

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011967.D
 Acq On : 31 Aug 2019 23:48
 Operator : SY/SP
 Sample : VX0831SBS02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:49 PM

Quant Time: Sep 01 03:54:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	314573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	458414	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	435994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	259828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	158213	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	5.48	113	151177	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	8.71	98	528741	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.13	95	223216	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	38129	20.083	ug/l	98
3) Chloromethane	1.31	50	43127	19.595	ug/l	100
4) Vinyl Chloride	1.39	62	40663	19.348	ug/l	99
5) Bromomethane	1.62	94	30273	20.818	ug/l	100
6) Chloroethane	1.70	64	26331	20.130	ug/l	98
7) Trichlorofluoromethane	1.91	101	69901	19.151	ug/l	98
8) Diethyl Ether	2.17	74	25153	20.052	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	45127	18.970	ug/l	98
10) Methyl Iodide	2.50	142	44144	19.423	ug/l	99
11) Tert butyl alcohol	3.03	59	31320	108.015	ug/l	99
12) 1,1-Dichloroethene	2.36	96	43625	19.745	ug/l	98
13) Acrolein	2.28	56	13180	91.326	ug/l	96
14) Allyl chloride	2.71	41	82103	19.810	ug/l	99
15) Acrylonitrile	3.12	53	72343	104.995	ug/l	99
16) Acetone	2.43	43	62211	95.935	ug/l	98
17) Carbon Disulfide	2.55	76	112305	17.721	ug/l	99
18) Methyl Acetate	2.76	43	42895	23.896	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	157461	21.999	ug/l	100
20) Methylene Chloride	2.84	84	61627	19.253	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	53051	20.384	ug/l	98
22) Diisopropyl ether	3.84	45	180657	21.352	ug/l	97
23) Vinyl Acetate	3.80	43	535886	98.513	ug/l	100
24) 1,1-Dichloroethane	3.68	63	99626	21.353	ug/l	98
25) 2-Butanone	4.66	43	96308	101.970	ug/l	96
26) 2,2-Dichloropropane	4.57	77	74293	18.985	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	67340	21.967	ug/l	97
28) Bromochloromethane	5.00	49	44636	21.320	ug/l	95
29) Tetrahydrofuran	5.11	42	62595	106.182	ug/l	99
30) Chloroform	5.19	83	111324	22.315	ug/l	97
31) Cyclohexane	5.56	56	67427	17.917	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	93482	21.095	ug/l	99
36) 1,1-Dichloropropene	5.78	75	67811	18.672	ug/l	100
37) Ethyl Acetate	4.82	43	43667	20.312	ug/l	98
38) Carbon Tetrachloride	5.77	117	82399	19.563	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	75168	17.377	ug/l	96
40) Benzene	6.13	78	218442	20.150	ug/l	100
41) Methacrylonitrile	5.03	41	25348	20.026	ug/l	97
42) 1,2-Dichloroethane	6.18	62	77812	21.107	ug/l	99
43) Isopropyl Acetate	6.43	43	85020	19.506	ug/l	99
44) Trichloroethene	7.20	130	67996	20.272	ug/l	96
45) 1,2-Dichloropropane	7.50	63	58658	20.686	ug/l	98
46) Dibromomethane	7.65	93	35153	20.889	ug/l	99
47) Bromodichloromethane	7.89	83	86890	20.822	ug/l	98
48) Methyl methacrylate	7.76	41	42923	20.240	ug/l	99
49) 1,4-Dioxane	7.73	88	12331	422.838	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	221879	100.208	ug/l	99
52) Toluene	8.78	92	148167	20.660	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	85162	19.923	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	96083	20.024	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	52070	21.135	ug/l	99
56) Ethyl methacrylate	9.17	69	68061	19.905	ug/l	99
57) 1,3-Dichloropropane	9.37	76	84978	20.781	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	165311	101.505	ug/l	99
59) 2-Hexanone	9.48	43	153805	97.790	ug/l	99
60) Dibromochloromethane	9.57	129	69497	21.003	ug/l	100
61) 1,2-Dibromoethane	9.67	107	51621	21.133	ug/l	99
64) Tetrachloroethene	9.33	164	76293	21.754	ug/l	99
65) Chlorobenzene	10.14	112	175222	20.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	72601	21.249	ug/l	100
67) Ethyl Benzene	10.25	91	291059	20.252	ug/l	99
68) m/p-Xylenes	10.35	106	227505	40.996	ug/l	98
69) o-Xylene	10.70	106	111930	20.698	ug/l	100
70) Styrene	10.71	104	198860	20.863	ug/l	100
71) Bromoform	10.85	173	49417	20.455	ug/l #	98
73) Isopropylbenzene	11.01	105	294271	19.711	ug/l	100
74) N-amyl acetate	10.89	43	82347	18.587	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	61578	20.154	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	45536m	17.816	ug/l	
77) Bromobenzene	11.25	156	89567	20.686	ug/l	98
78) n-propylbenzene	11.35	91	327714	19.358	ug/l	99
79) 2-Chlorotoluene	11.42	91	205202	20.138	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	259657	20.150	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18160	17.849	ug/l	98
82) 4-Chlorotoluene	11.51	91	247609	20.142	ug/l	99
83) tert-Butylbenzene	11.76	119	261144	19.972	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	264335	20.016	ug/l	100
85) sec-Butylbenzene	11.94	105	295695	19.470	ug/l	99
86) p-Isopropyltoluene	12.06	119	288825	19.612	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	165801	20.604	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	167262	20.561	ug/l	99
89) n-Butylbenzene	12.39	91	243236	18.669	ug/l	100
90) Hexachloroethane	12.59	117	56882	19.965	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	158435	21.177	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	11996	19.710	ug/l	99

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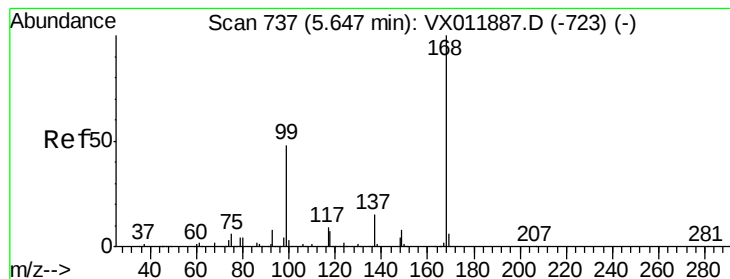
Manual Integrations
APPROVED

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Quant Time: Sep 01 03:54:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	128107	20.336	ug/l	99
94) Hexachlorobutadiene	13.78	225	81118	19.281	ug/l	100
95) Naphthalene	13.83	128	213304	19.729	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	116256	20.408	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion:168 Resp: 314573

Ion Ratio Lower Upper

168 100

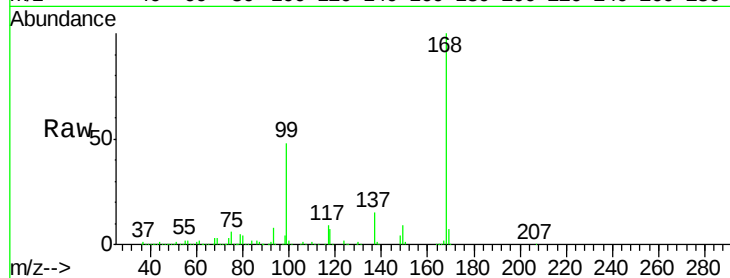
99 47.9 38.4 57.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

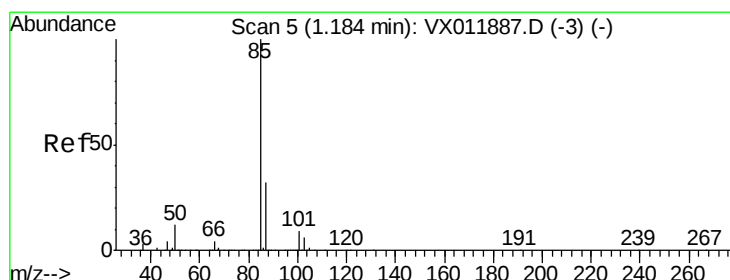
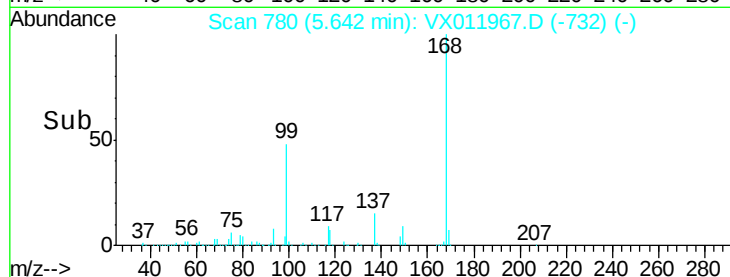
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.083 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011967.D

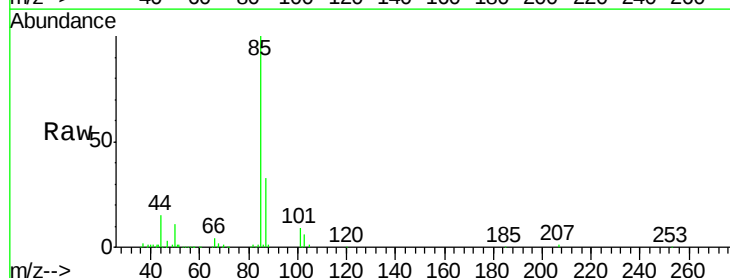
Acq: 31 Aug 2019 23:48

Tgt Ion: 85 Resp: 38129

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

40000

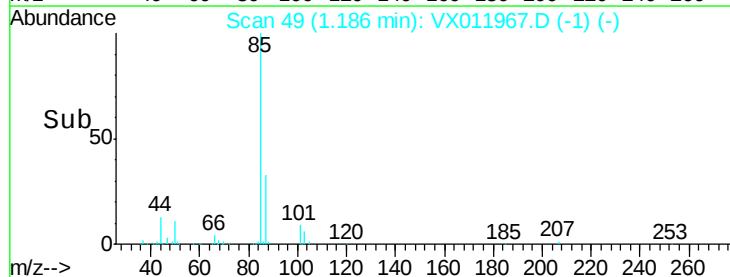
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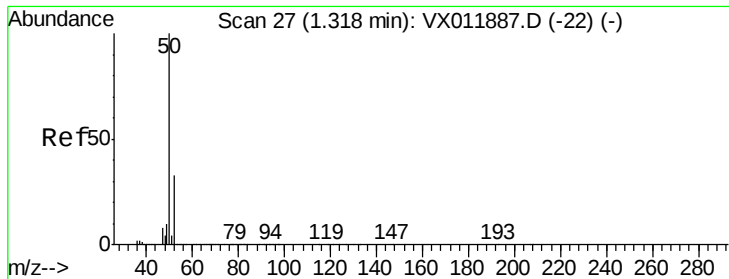
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.595 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBSD02

Tot Ion: 50 Resp: 43127

Ion Ratio Lower Upper

50 100

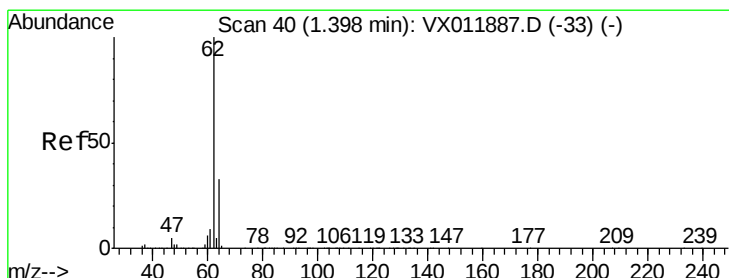
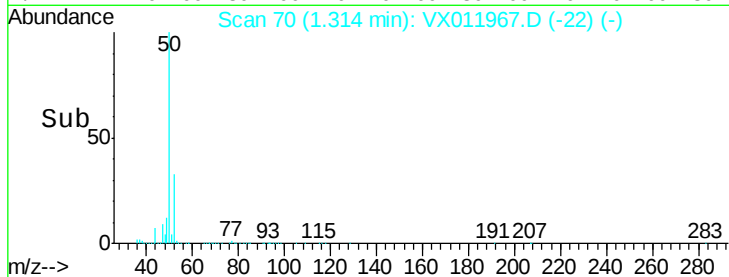
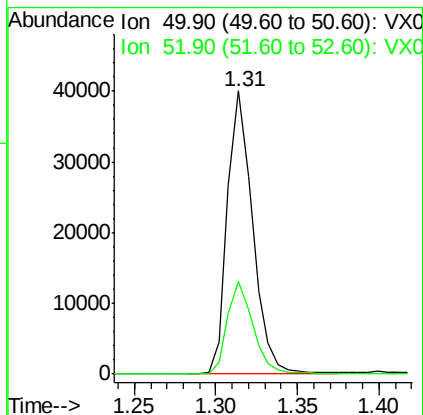
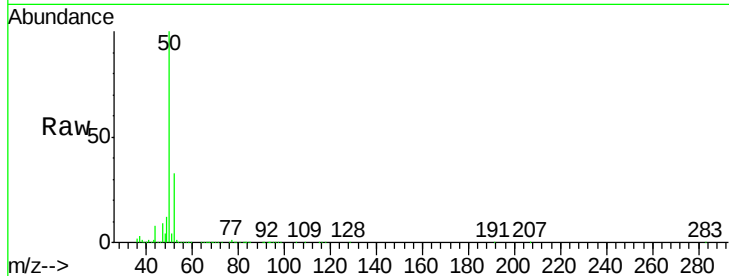
52 32.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.348 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011967.D

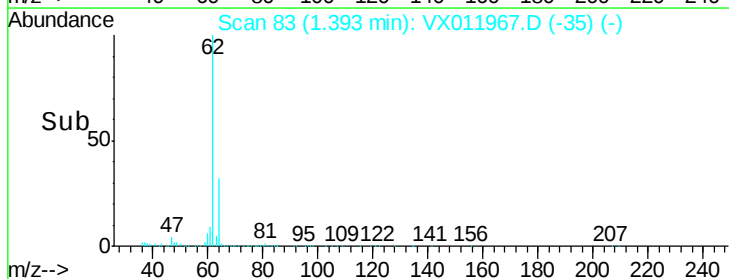
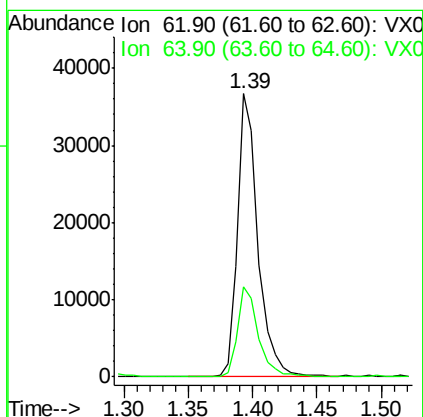
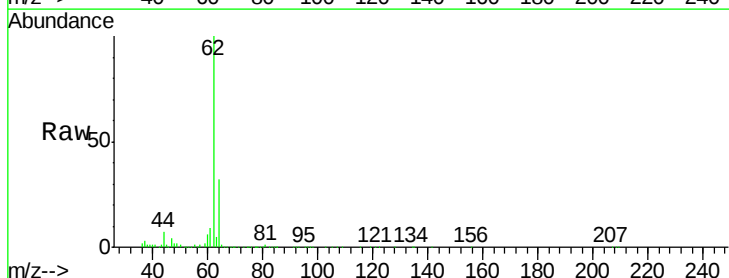
Acq: 31 Aug 2019 23:48

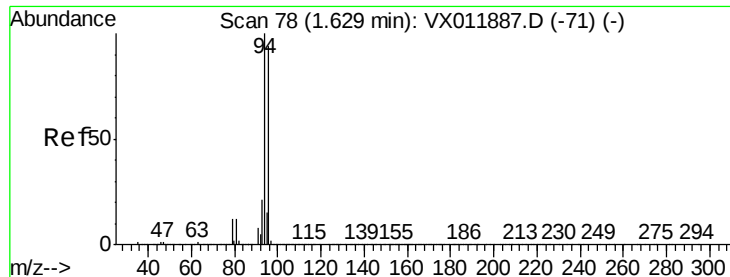
Tgt Ion: 62 Resp: 40663

Ion Ratio Lower Upper

62 100

64 31.7 26.0 39.0





#5

Bromomethane

Concen: 20.818 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 94 Resp: 30273

Ion Ratio Lower Upper

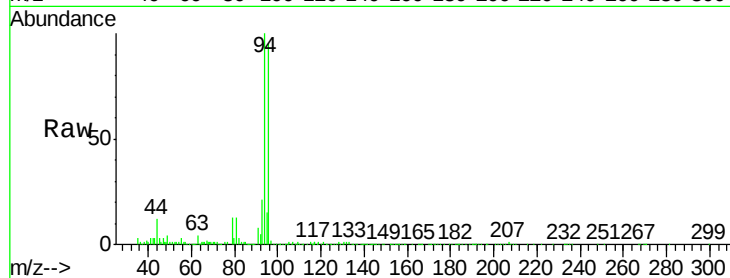
94 100

96 94.3 75.0 112.6

Manual Integrations
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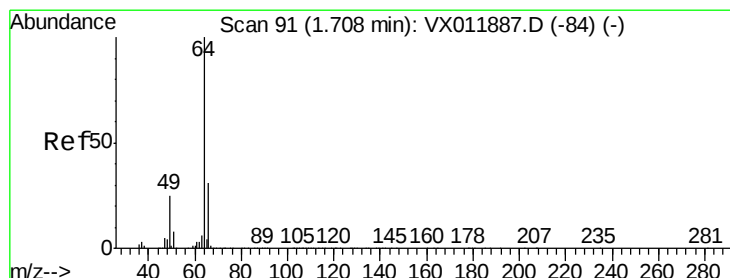
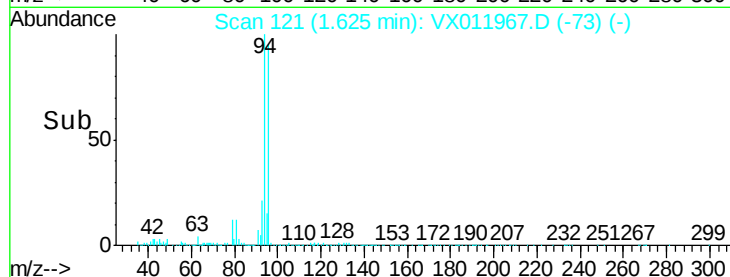
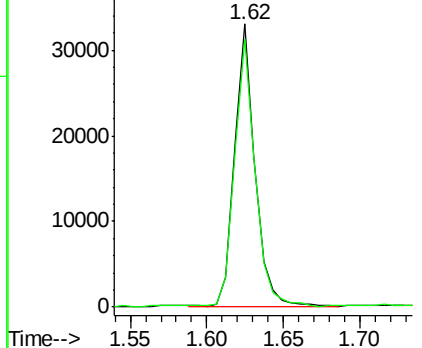
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.130 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX011967.D

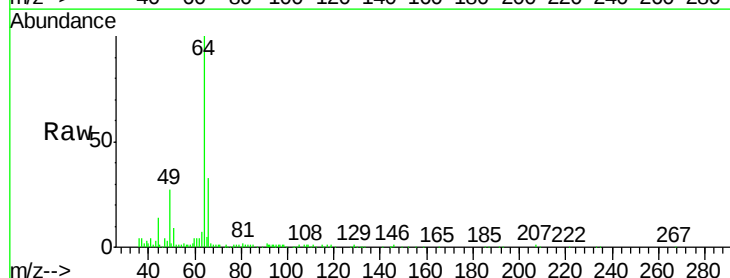
Acq: 31 Aug 2019 23:48

Tgt Ion: 64 Resp: 26331

Ion Ratio Lower Upper

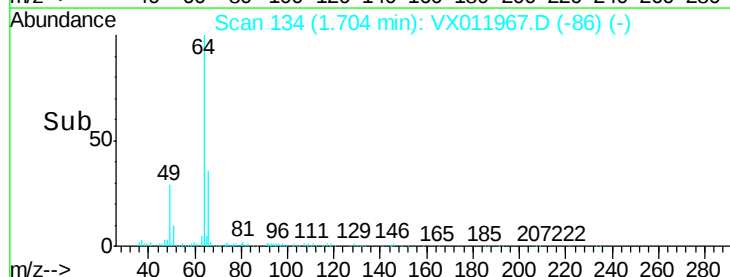
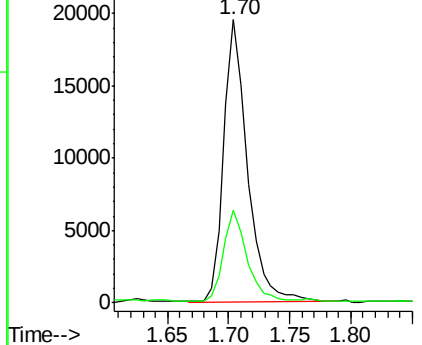
64 100

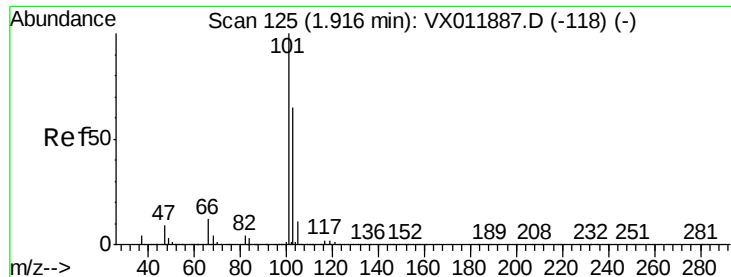
66 32.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

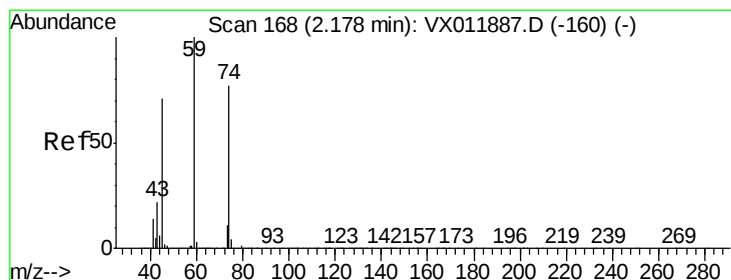
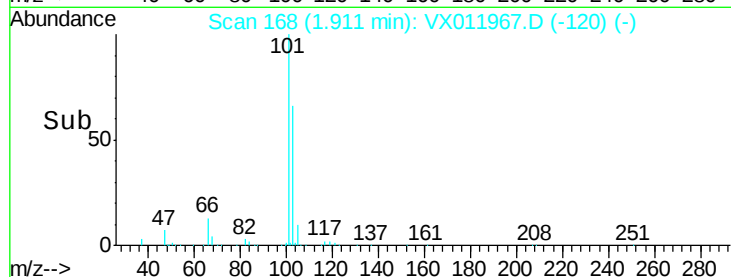
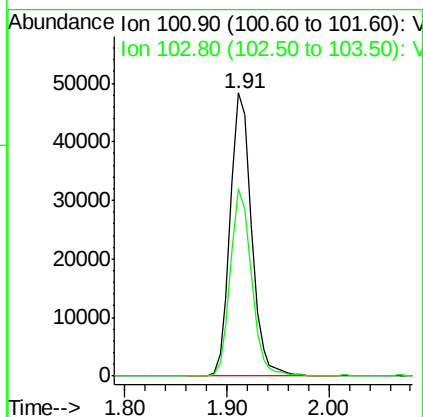
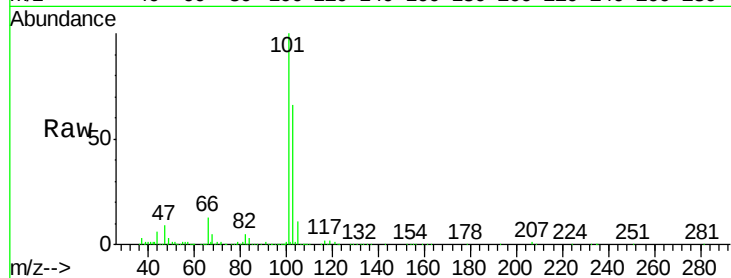
Trichlorofluoromethane
Concen: 19.151 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Instrument :
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ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.6	77.4

Manual Integrations
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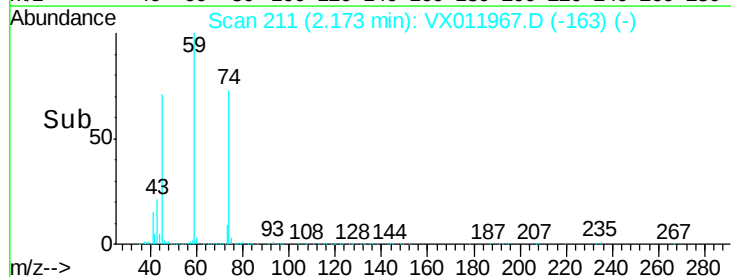
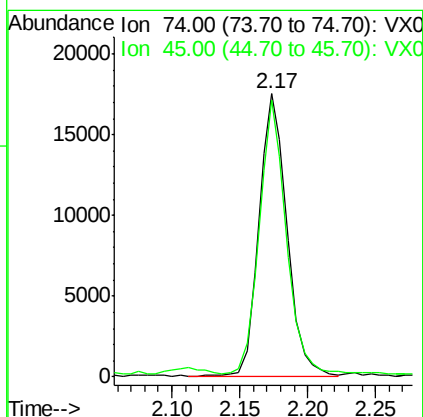
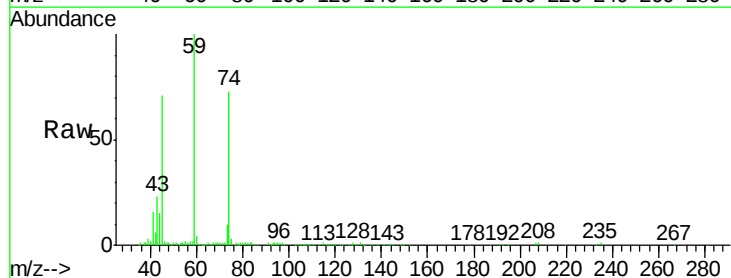
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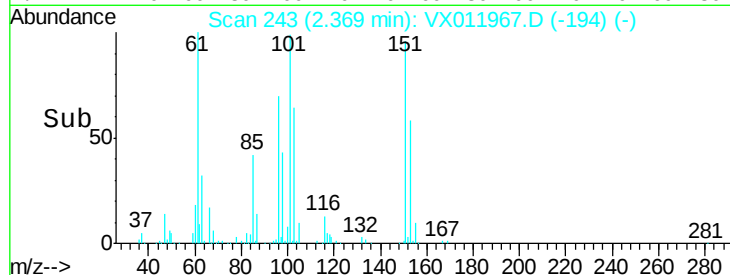
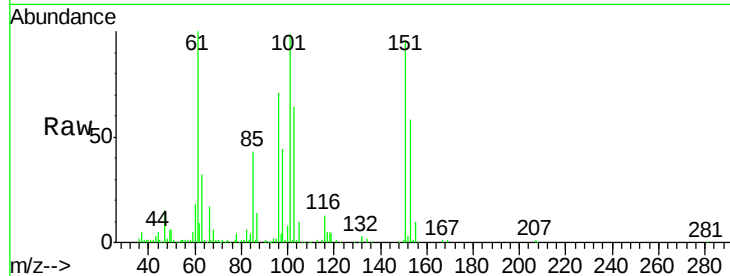
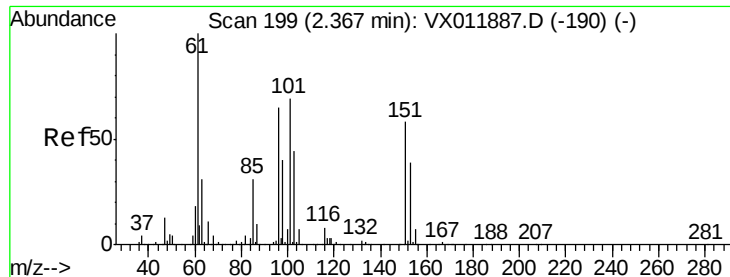


#8

Diethyl Ether
Concen: 20.052 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.970 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

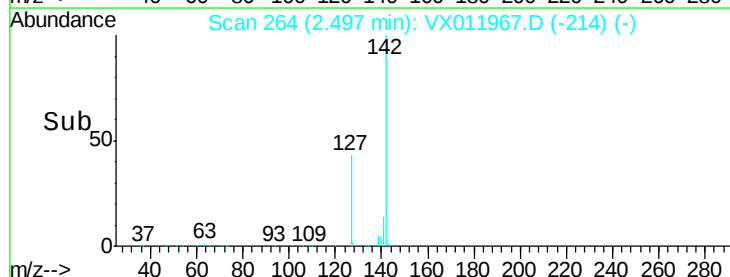
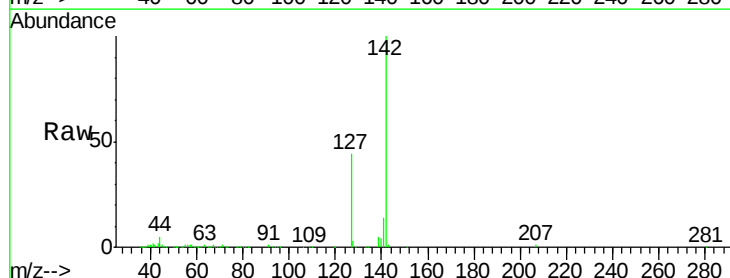
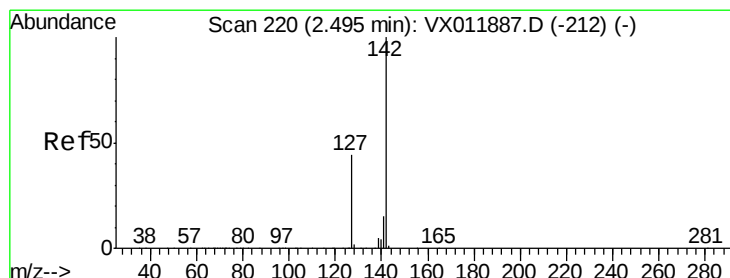
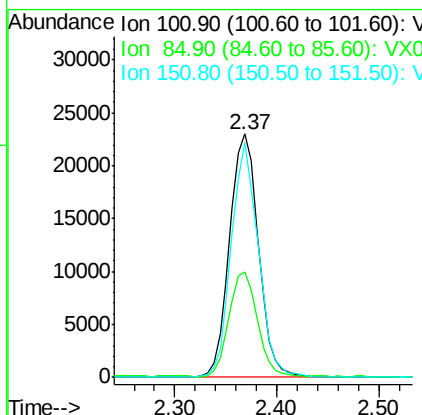
ClientSampleId :

VX0831SBS02

Tot Ion:	101	Resp:	45127
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.9	52.3
151	90.2	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.423 ug/l

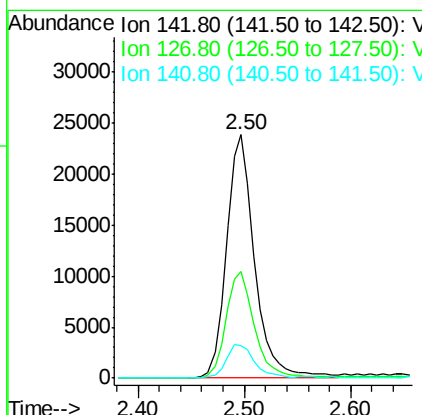
RT: 2.50 min Scan# 264

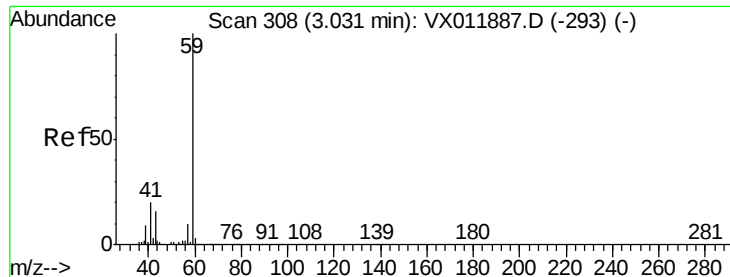
Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Tgt Ion:	142	Resp:	44144
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.7	53.5
141	14.0	11.8	17.6





#11

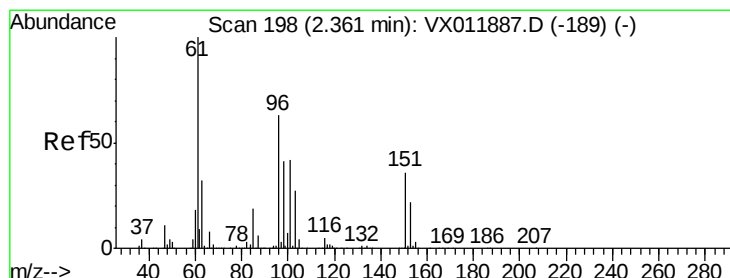
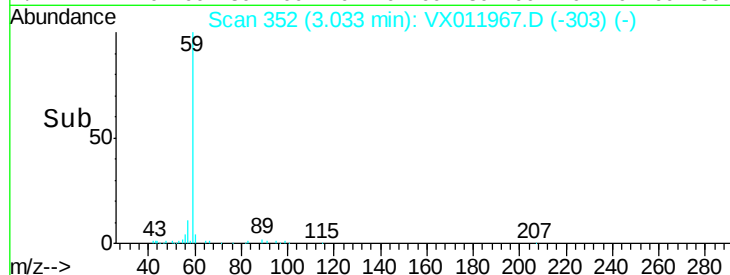
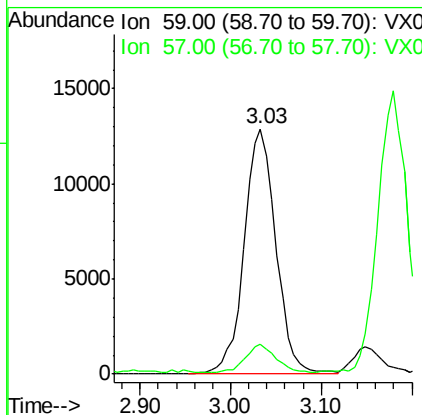
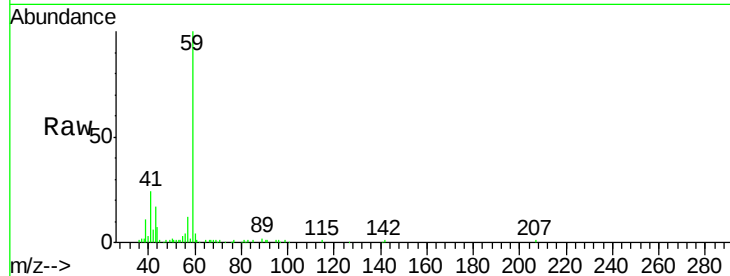
Tert butyl alcohol
 Concen: 108.015 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion	59	Resp	31320
Ion Ratio	59	100	
Lower	57	10.9	8.6
Upper			12.8

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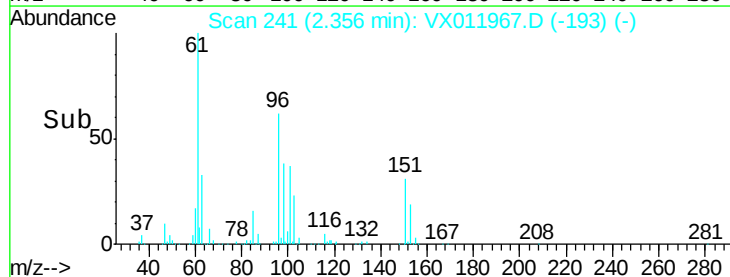
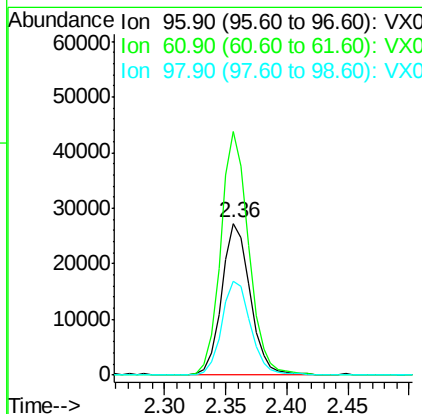
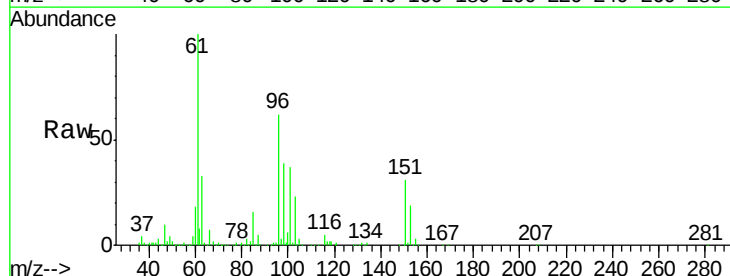
sam
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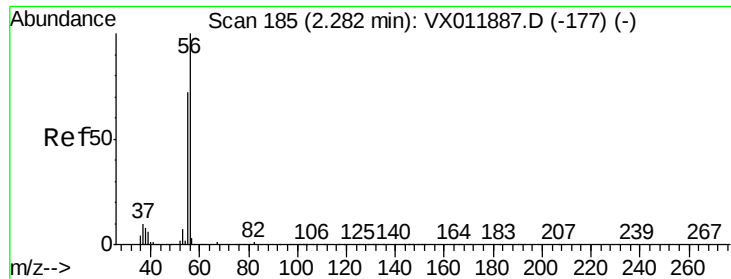


#12

1,1-Dichloroethene
 Concen: 19.745 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Tgt Ion	96	Resp	43625
Ion Ratio	96	100	
Lower	61	160.3	126.6
Upper	98	61.7	51.6
			77.4





#13

Acrolein

Concen: 91.326 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 56 Resp: 13180

Ion Ratio Lower Upper

56 100

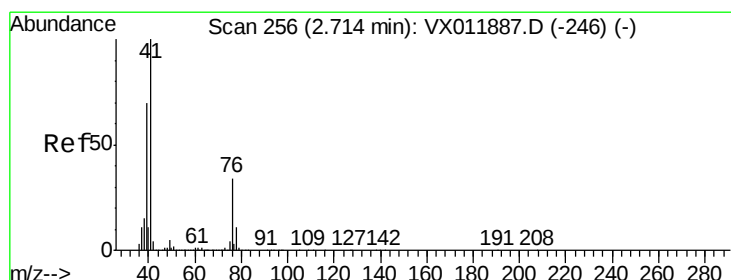
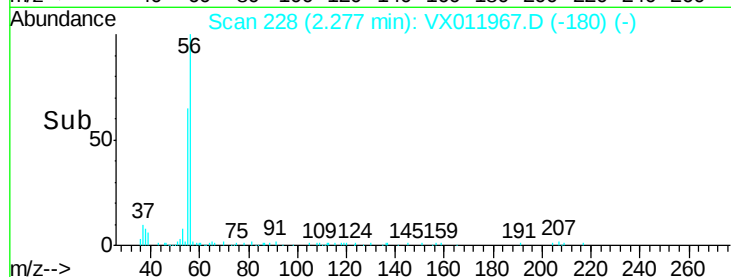
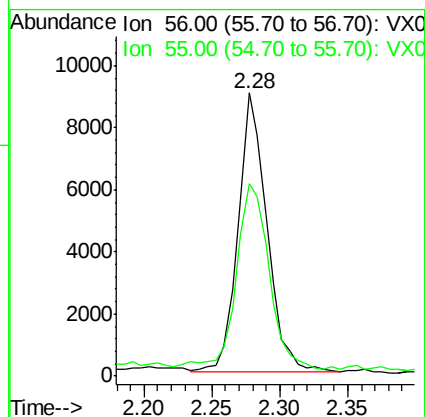
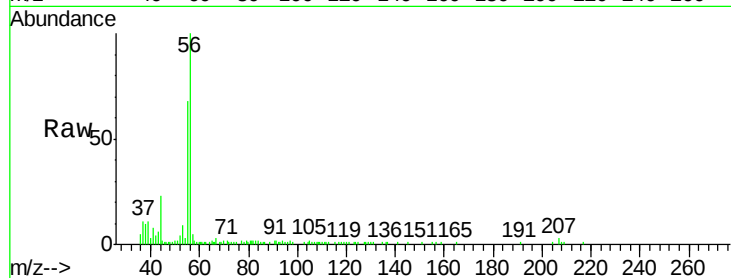
55 76.7 58.6 88.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.810 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

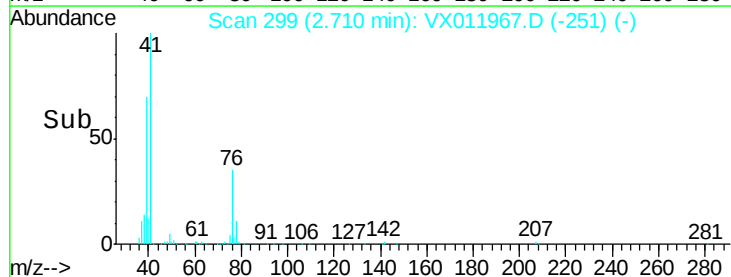
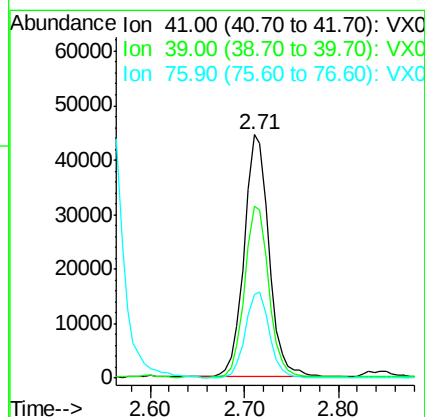
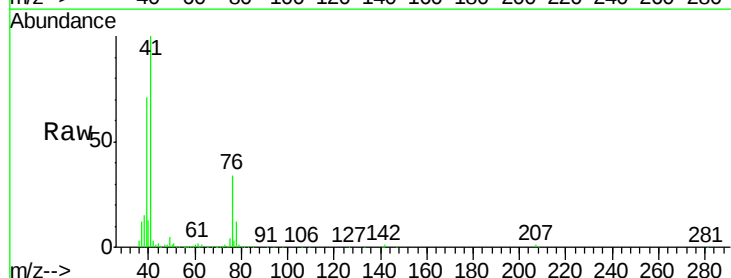
Tgt Ion: 41 Resp: 82103

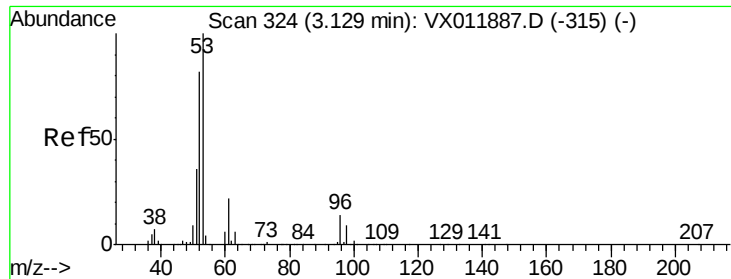
Ion Ratio Lower Upper

41 100

39 69.1 55.0 82.6

76 34.8 27.0 40.4





#15

Acrylonitrile

Concen: 104.995 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

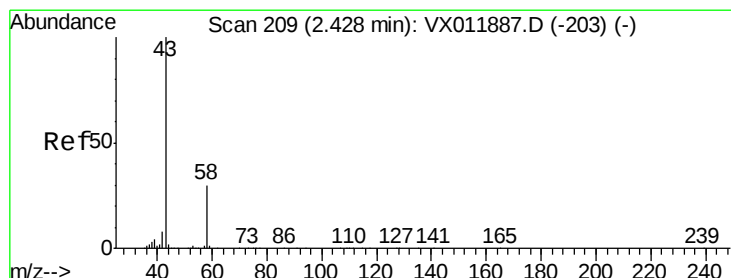
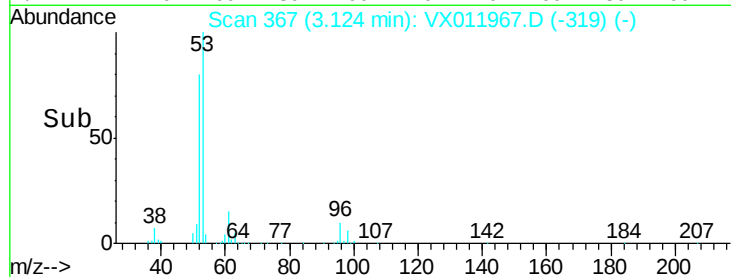
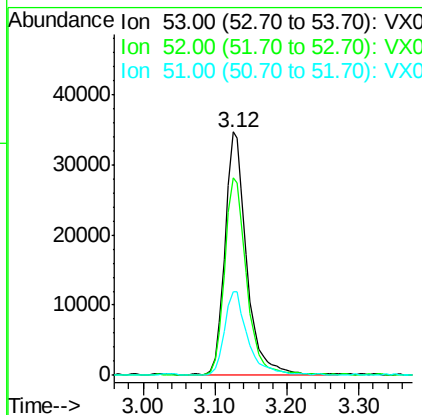
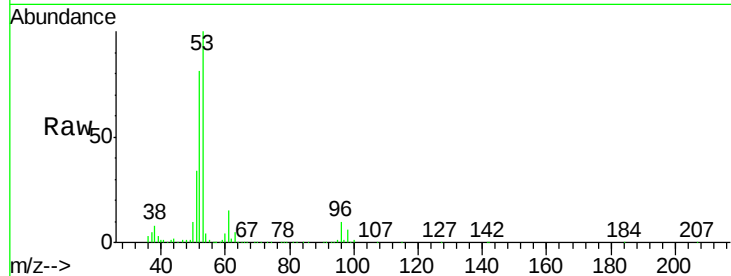
ClientSampleId :

VX0831SBS02

Tot Ion:	53	Resp:	72343
Ion Ratio	Lower	Upper	
53	100		
52	83.0	65.3	97.9
51	36.7	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 95.935 ug/l

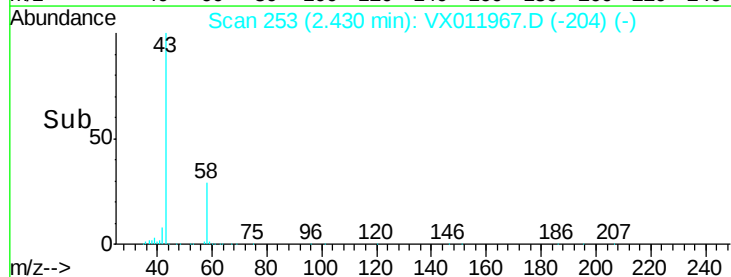
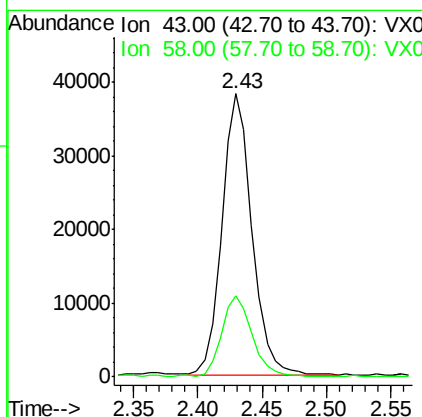
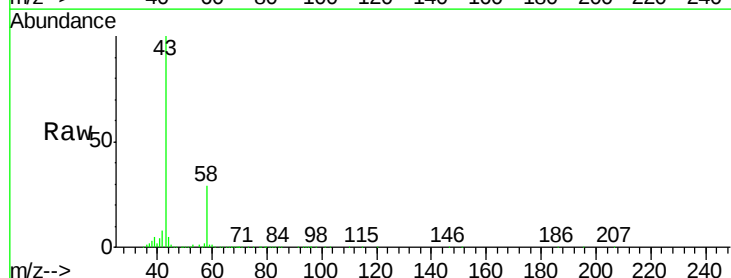
RT: 2.43 min Scan# 253

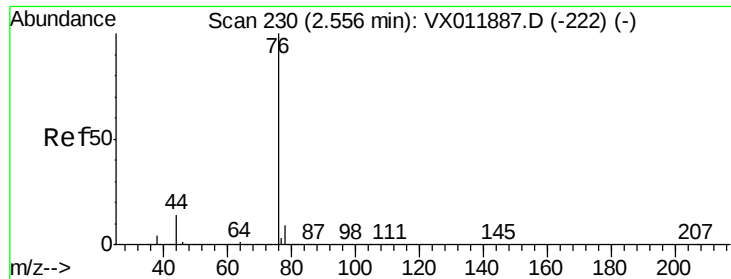
Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Tgt Ion:	43	Resp:	62211
Ion Ratio	Lower	Upper	
43	100		
58	28.6	23.8	35.8





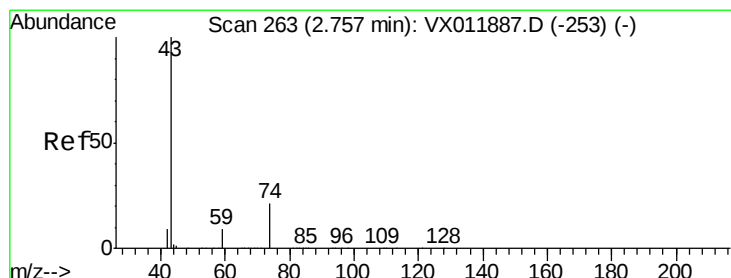
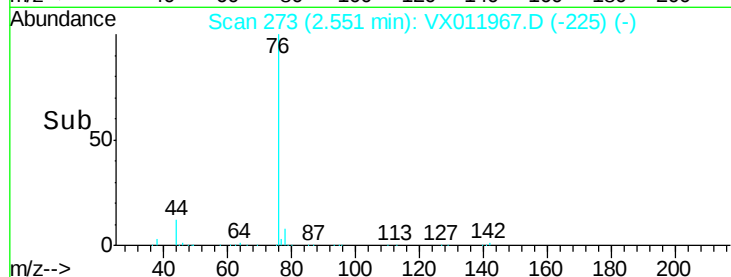
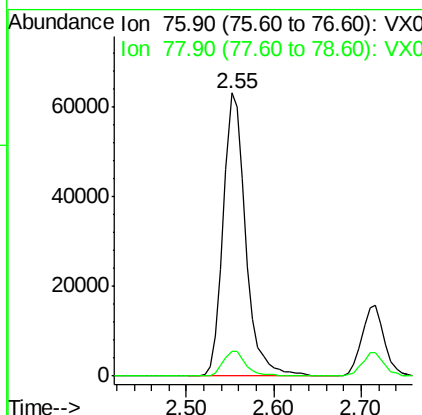
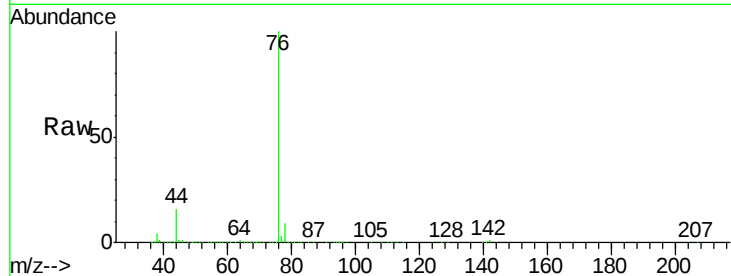
#17
Carbon Disulfide
Concen: 17.721 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

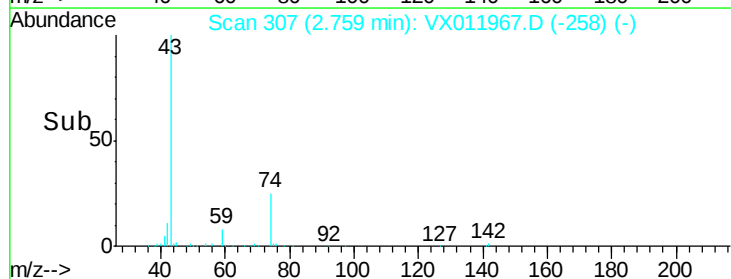
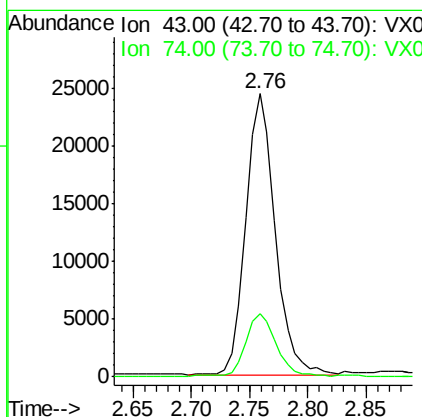
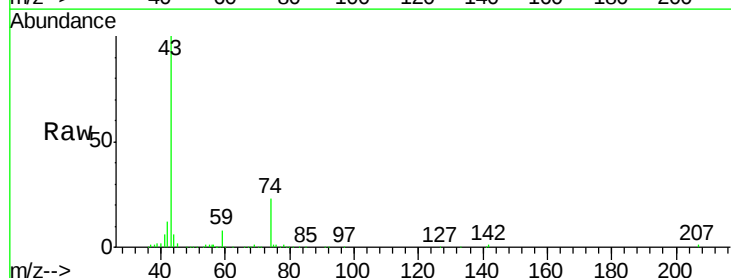
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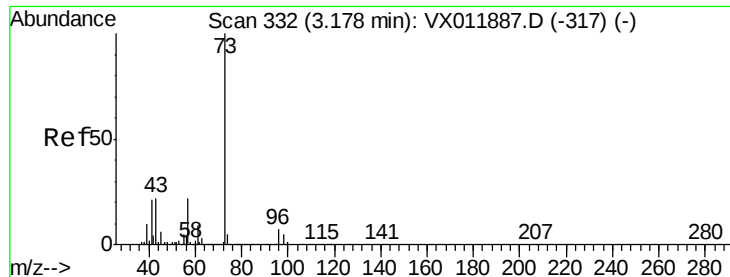
sam
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#18
Methyl Acetate
Concen: 23.896 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.4	27.6





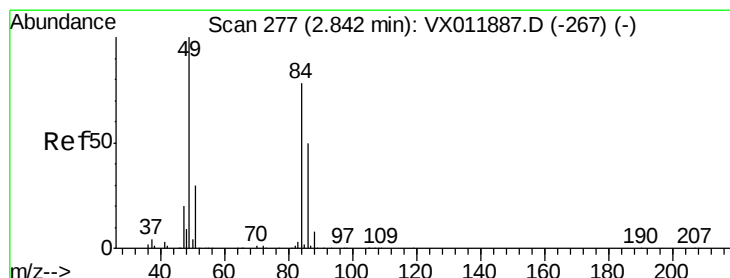
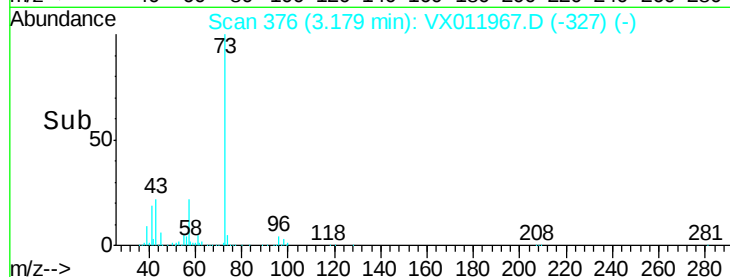
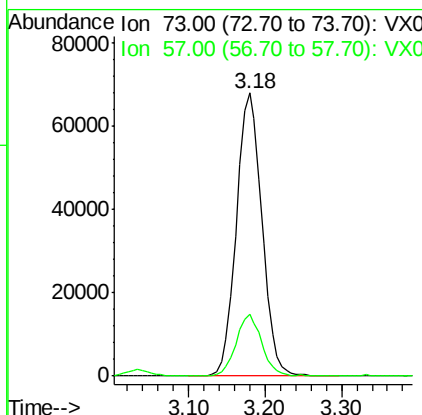
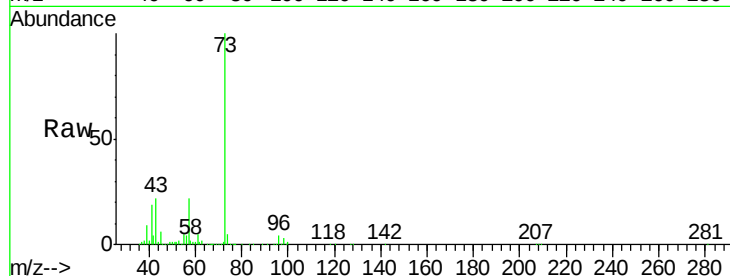
#19
Methvl tert-butvl Ether
Concen: 21.999 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion: 73 Resp: 157461
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0

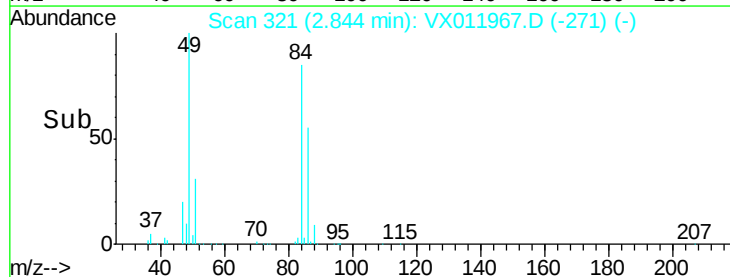
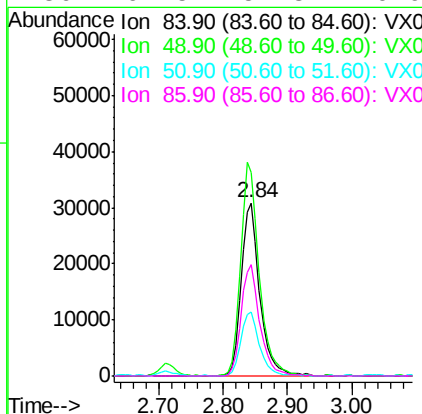
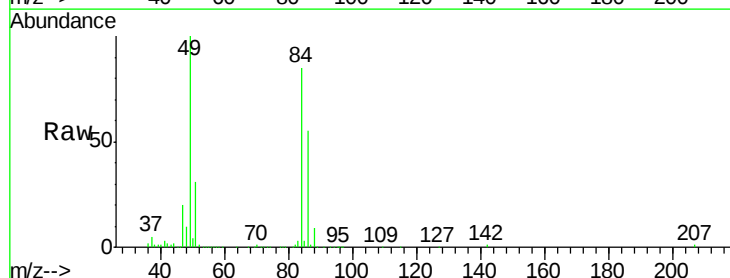
Manual Integrations
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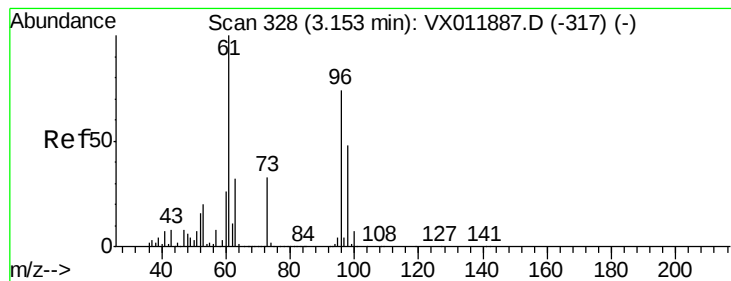
sam
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#20
Methylene Chloride
Concen: 19.253 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Tgt Ion: 84 Resp: 61627
Ion Ratio Lower Upper
84 100
49 117.2 103.0 154.4
51 36.6 30.8 46.2
86 64.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.384 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

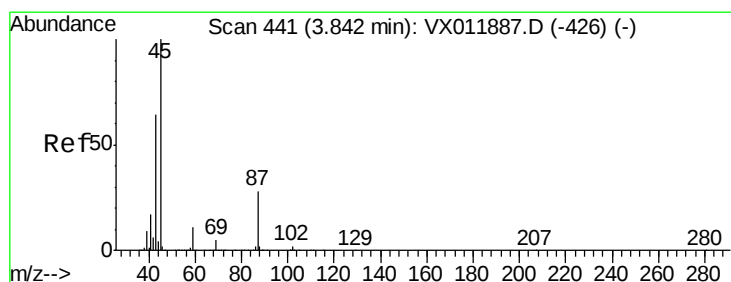
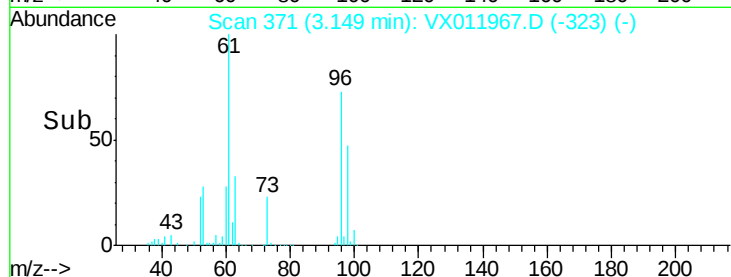
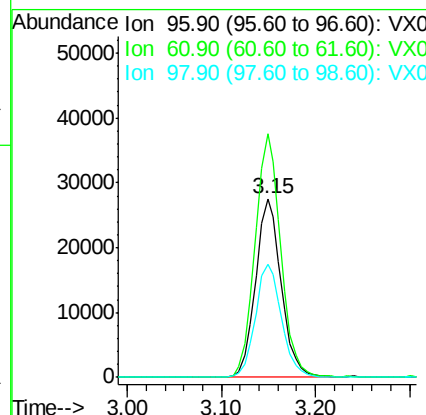
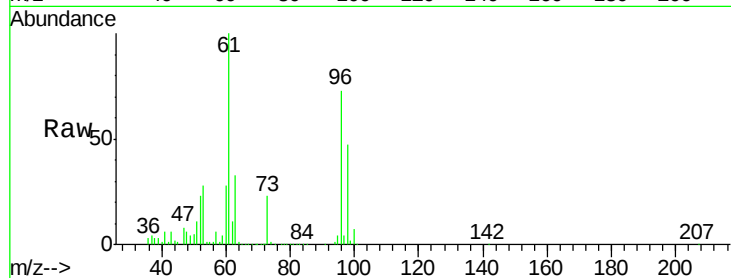
ClientSampleId :

VX0831SBS02

Tot Ion:	96	Resp:	53051
Ion	Ratio	Lower	Upper
96	100		
61	136.4	107.4	161.2
98	63.2	51.4	77.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.352 ug/l

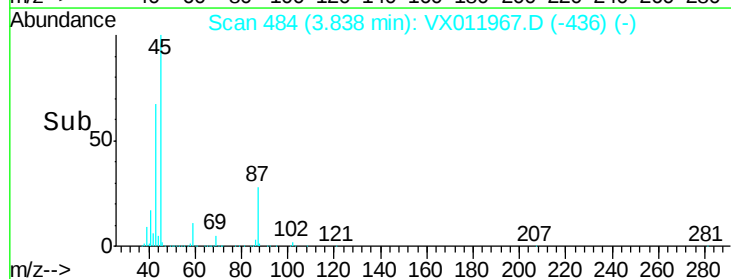
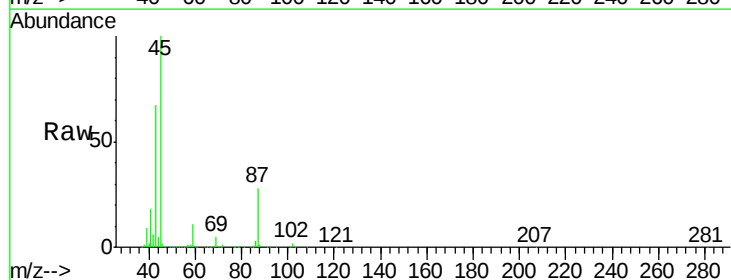
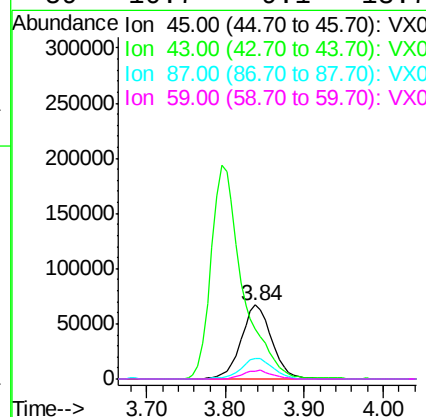
RT: 3.84 min Scan# 484

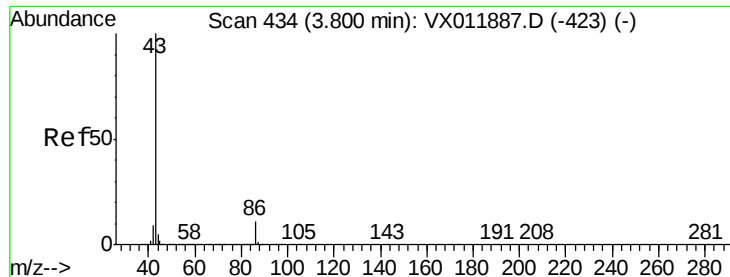
Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Tgt Ion:	45	Resp:	180657
Ion	Ratio	Lower	Upper
45	100		
43	66.3	51.0	76.6
87	28.1	22.0	33.0
59	10.7	9.1	13.7





#23

Vinyl Acetate

Concen: 98.513 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 43 Resp: 535886

Ion Ratio Lower Upper

43 100

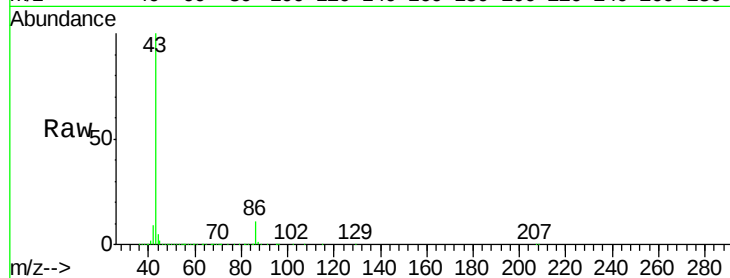
86 10.7 8.6 12.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

200000

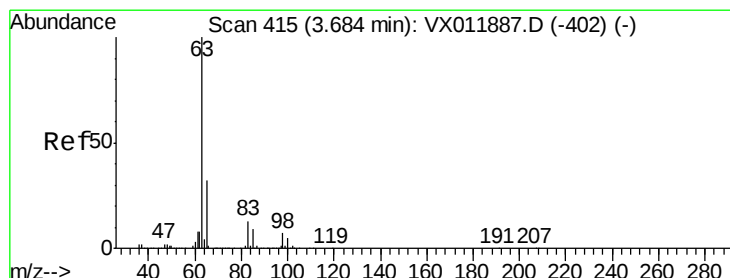
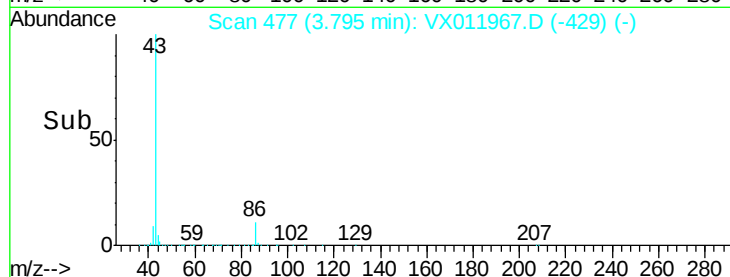
150000

100000

50000

0

Time--> 3.60 3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 21.353 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

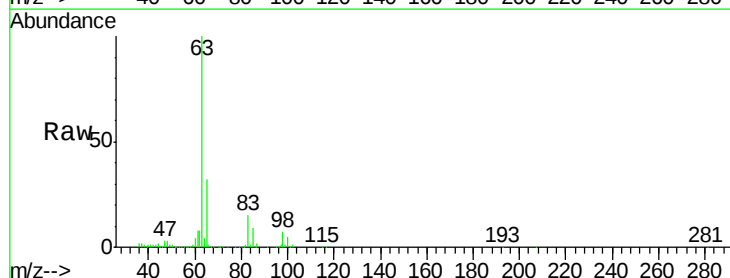
Tgt Ion: 63 Resp: 99626

Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.2

100 5.2 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.68

50000

40000

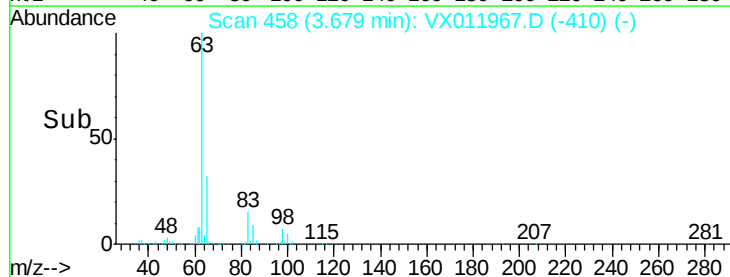
30000

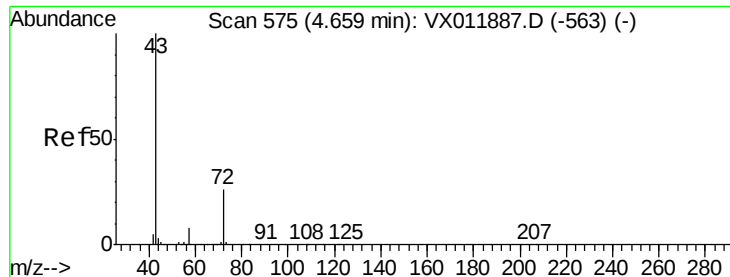
20000

10000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 101.970 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Tot Ion: 43 Resp: 96308

Ion Ratio Lower Upper

43 100

72 23.9 21.0 31.4

Instrument :

MSVOA_X

ClientSampleId :

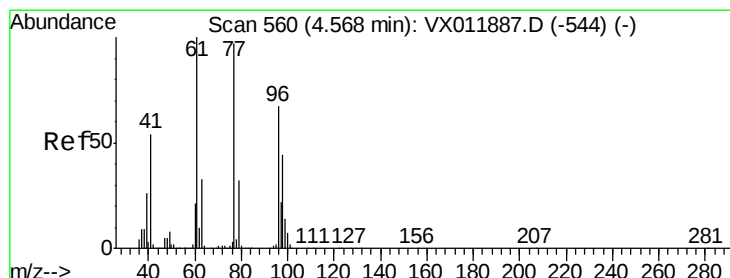
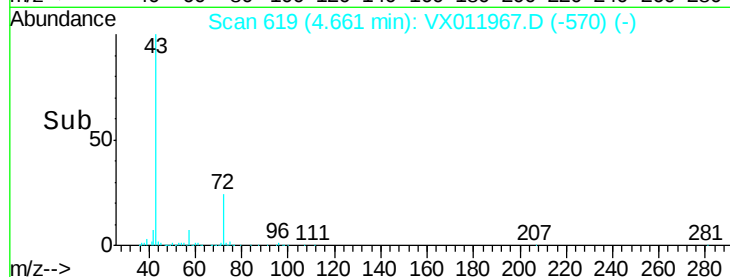
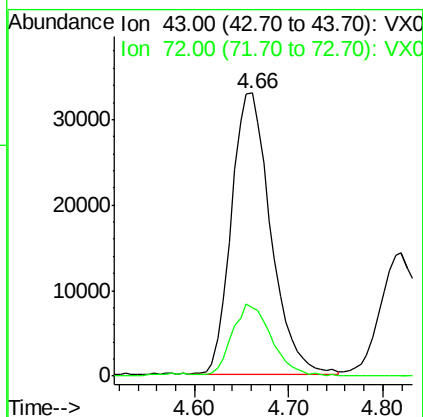
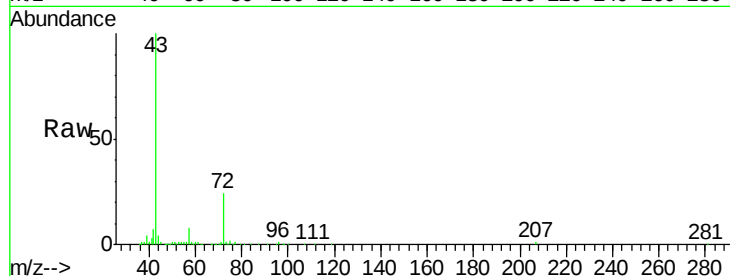
VX0831SBS02

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.985 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX011967.D

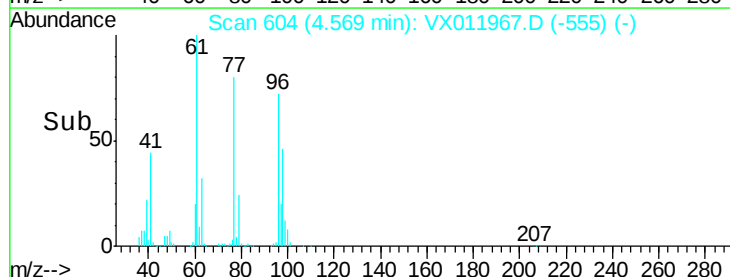
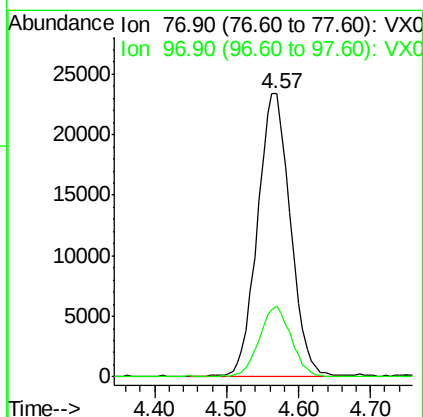
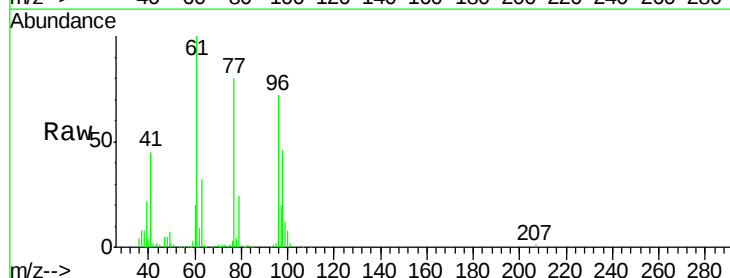
Acq: 31 Aug 2019 23:48

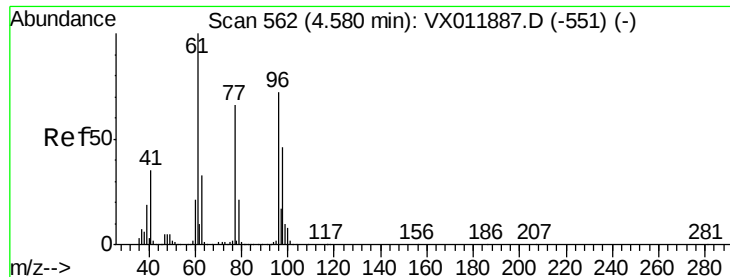
Tgt Ion: 77 Resp: 74293

Ion Ratio Lower Upper

77 100

97 24.3 11.7 35.1





#27

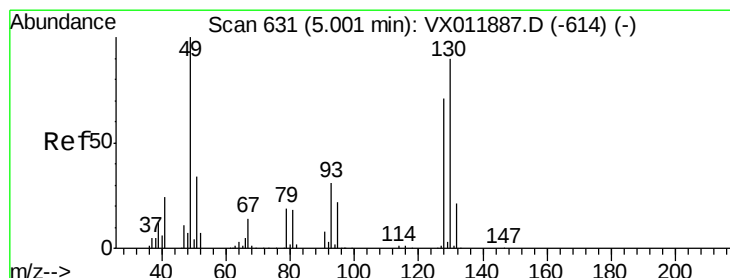
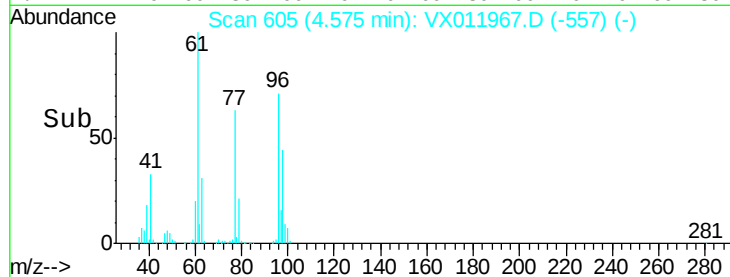
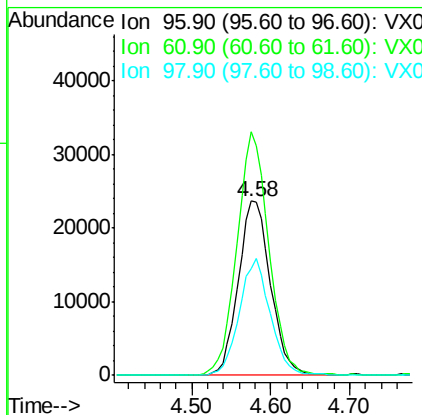
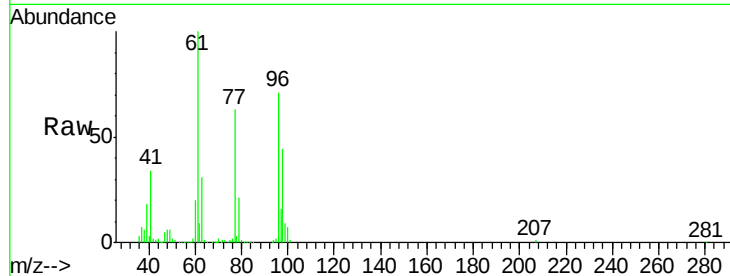
cis-1,2-Dichloroethene
Concen: 21.967 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	283.8
98	64.0	0.0	131.2

Manual Integrations
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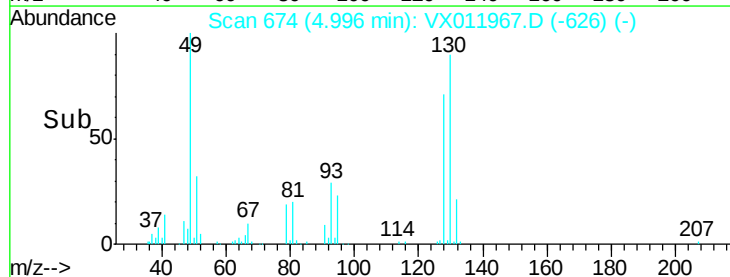
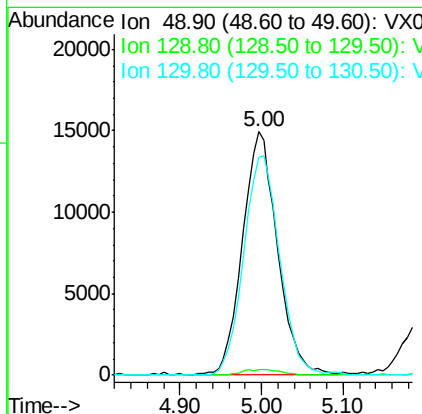
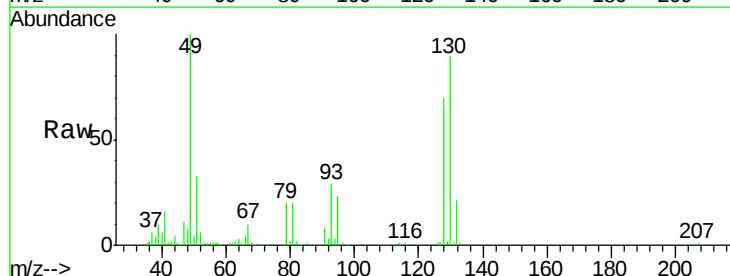
sam
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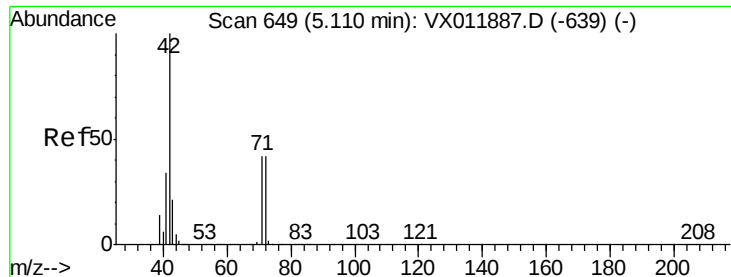


#28

Bromochloromethane
Concen: 21.320 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.8
130	92.5	70.6	105.8





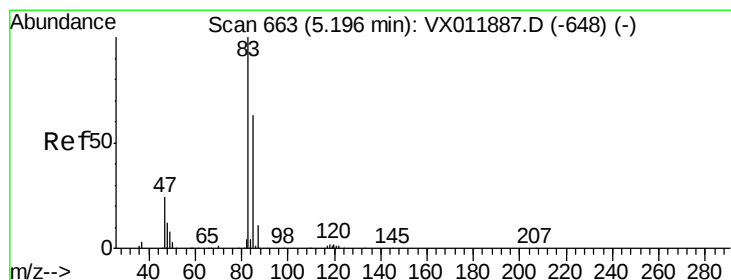
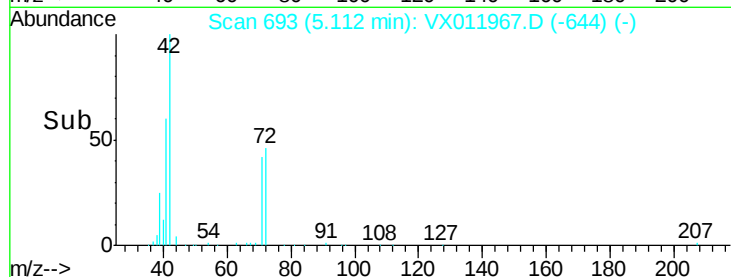
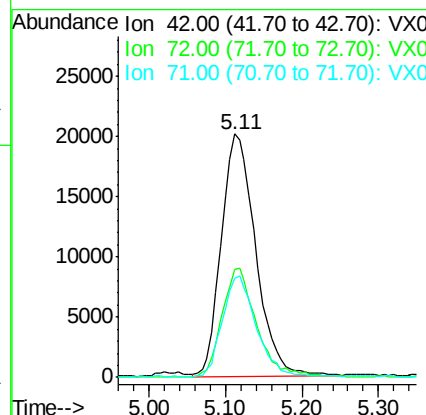
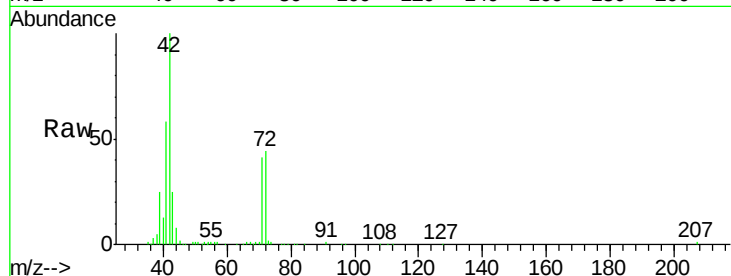
#29
Tetrahydrofuran
Concen: 106.182 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.2	54.4
71	40.3	33.1	49.7

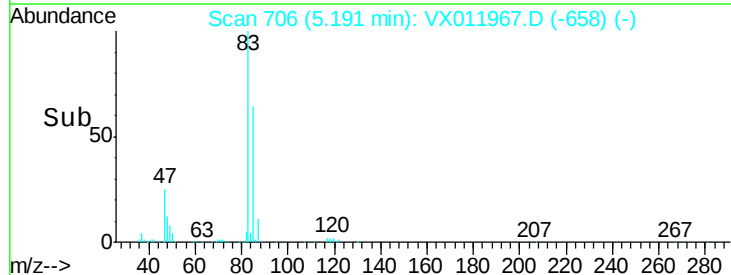
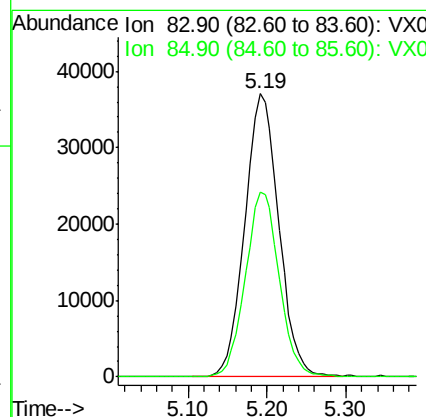
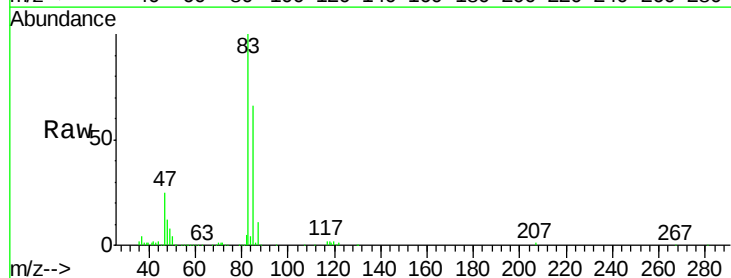
Manual Integrations
APPROVED

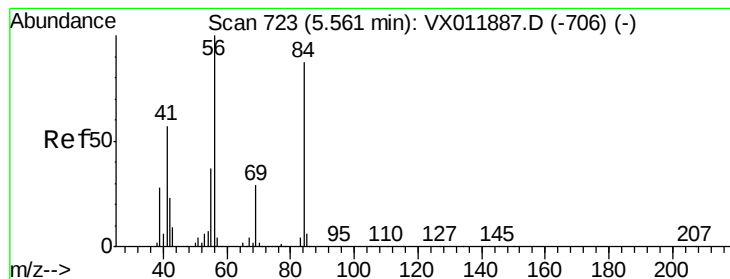
sam
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#30
Chloroform
Concen: 22.315 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.6	75.8





#31

Cyclohexane

Concen: 17.917 ug/l

RT: 5.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

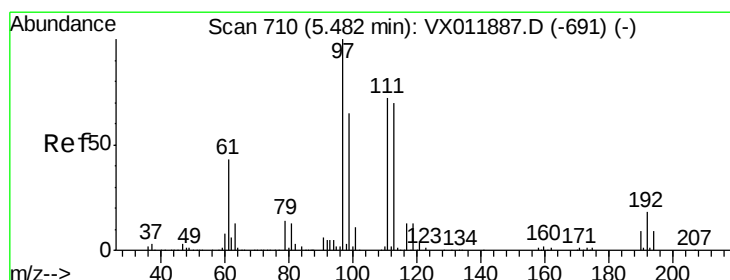
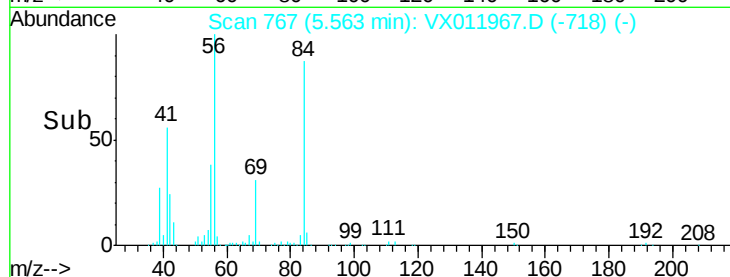
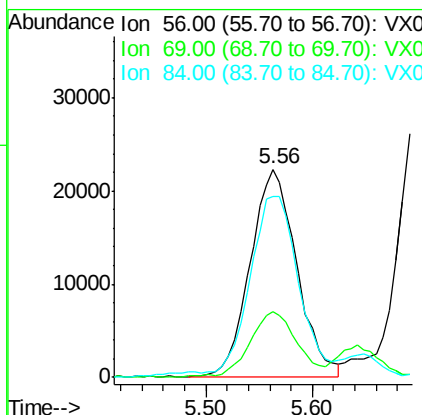
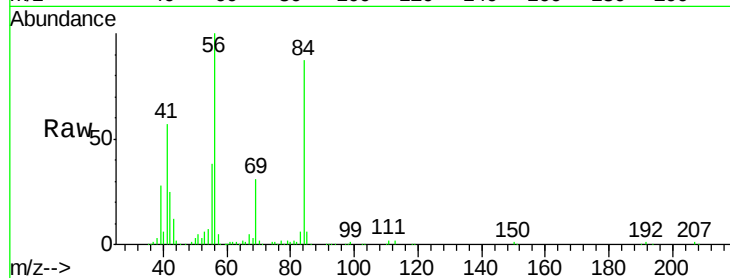
ClientSampleId :

VX0831SBS02

Tot Ion:	56	Resp:	67427
Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.1	34.7
84	84.7	69.6	104.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.095 ug/l

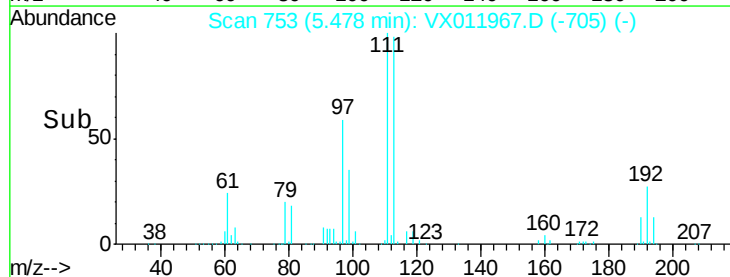
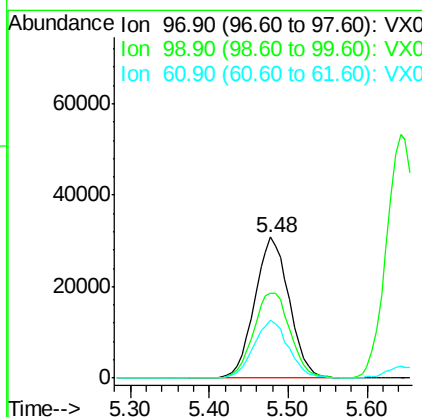
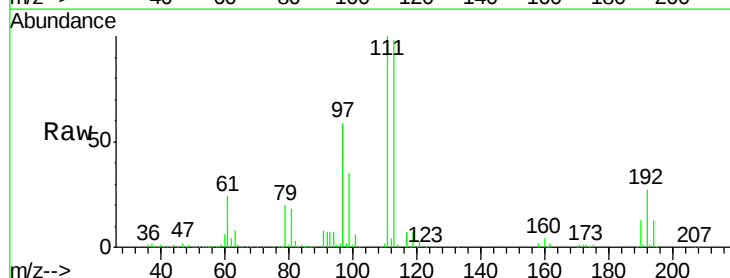
RT: 5.48 min Scan# 753

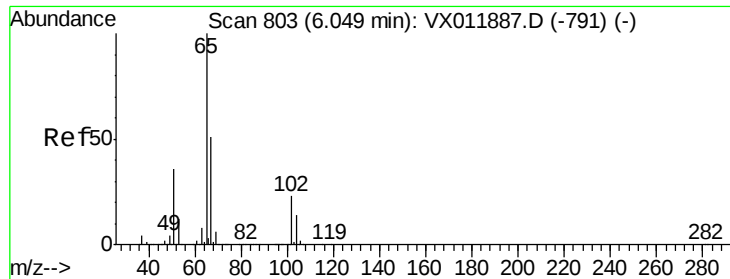
Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Tgt Ion:	97	Resp:	93482
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	41.4	33.8	50.6





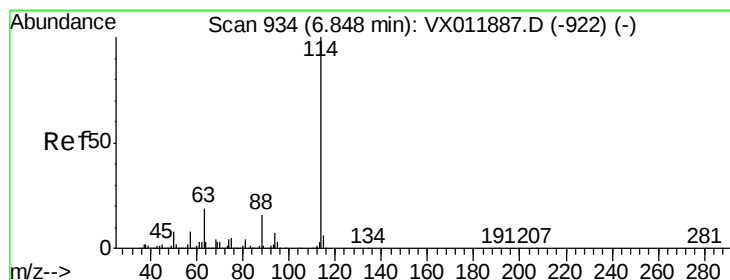
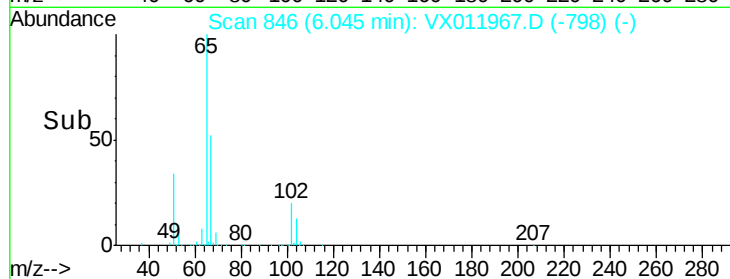
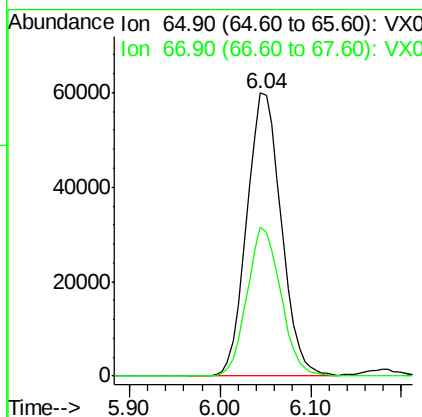
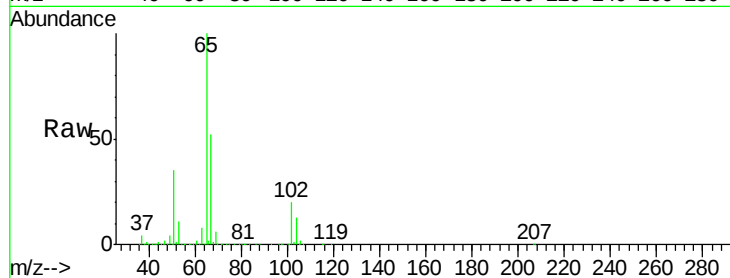
#33
 1,2-Dichloroethane-d4
 Concen: 52.494 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	158213		
67	51.2	0.0	102.2	

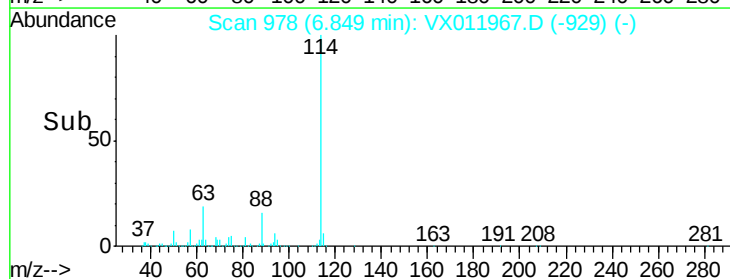
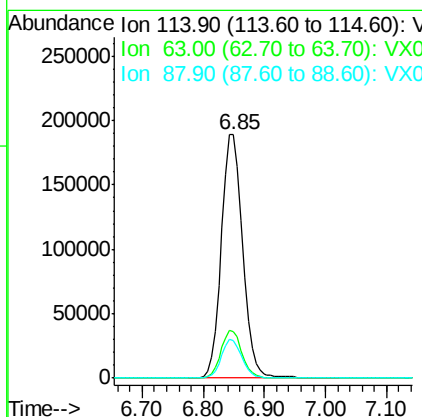
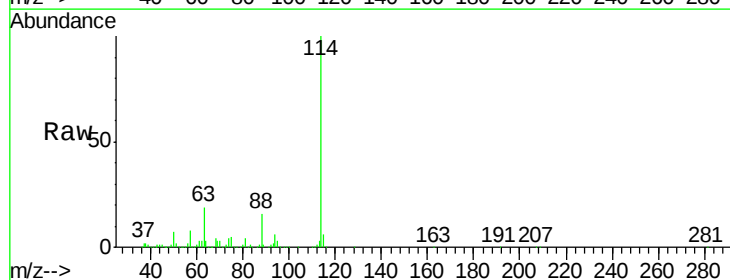
Manual Integrations
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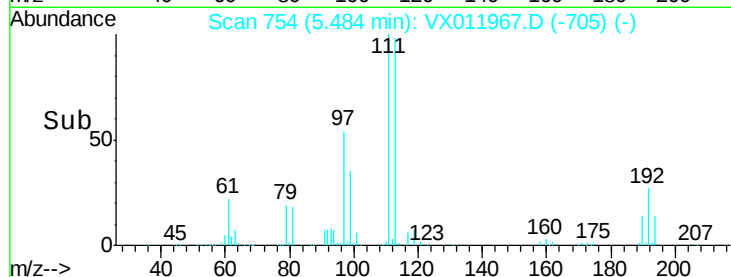
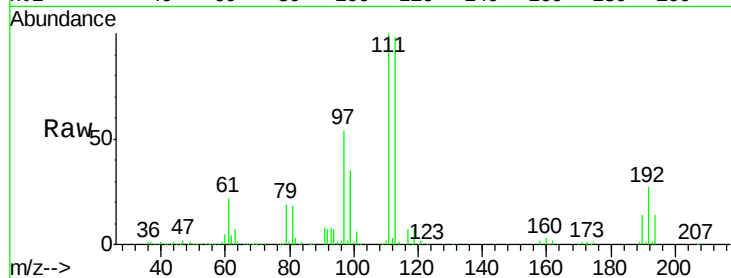
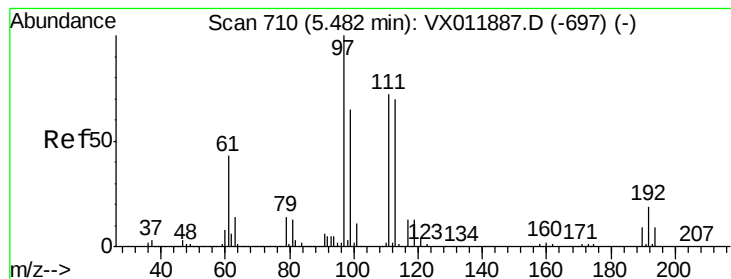
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	458414		
63	18.8	0.0	38.8	
88	15.5	0.0	31.2	





#35

Dibromofluoromethane

Concen: 51.429 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011967.D

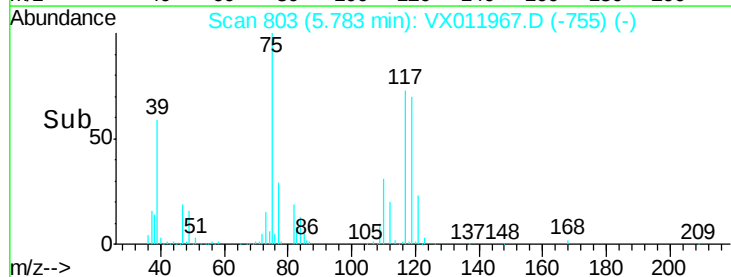
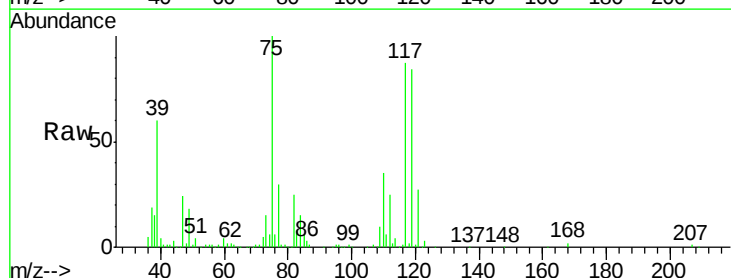
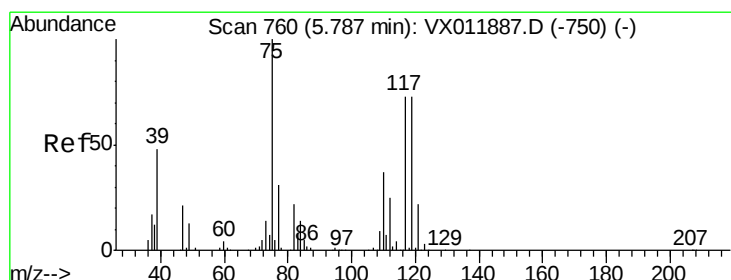
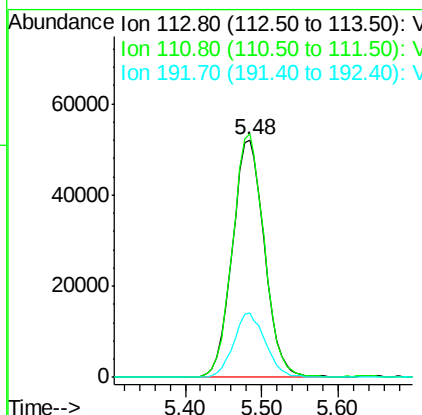
Acq: 31 Aug 2019 23:48

Tot Ion:	113	Resp:	151177
Ion Ratio	Lower	Upper	
113	100		
111	101.0	82.1	123.1
192	27.2	21.5	32.3

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Manual Integrations
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sam
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#36

1,1-Dichloropropene

Concen: 18.672 ug/l

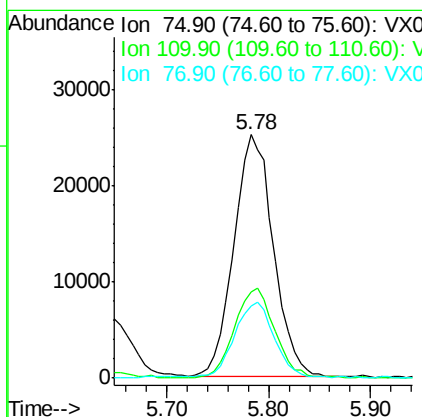
RT: 5.78 min Scan# 803

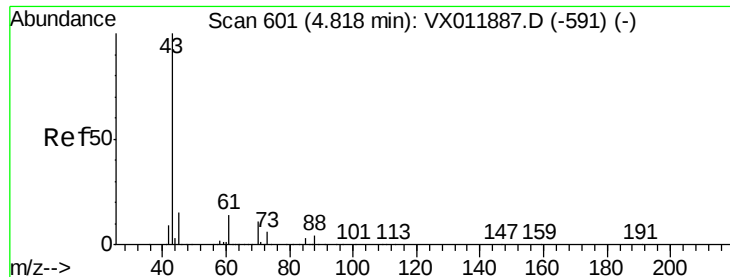
Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Tgt Ion:	75	Resp:	67811
Ion Ratio	Lower	Upper	
75	100		
110	38.2	19.1	57.3
77	30.8	24.4	36.6





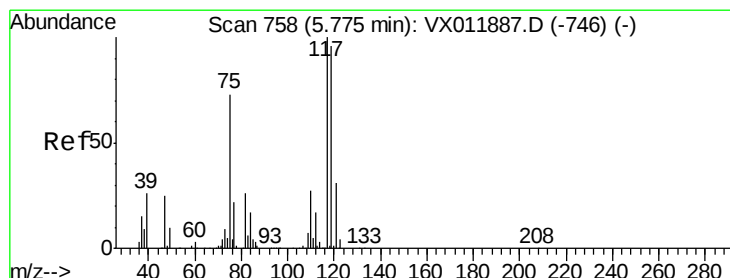
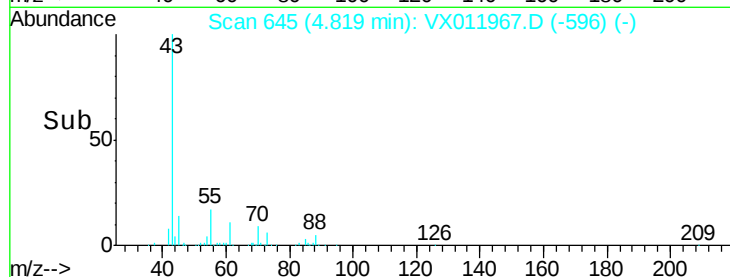
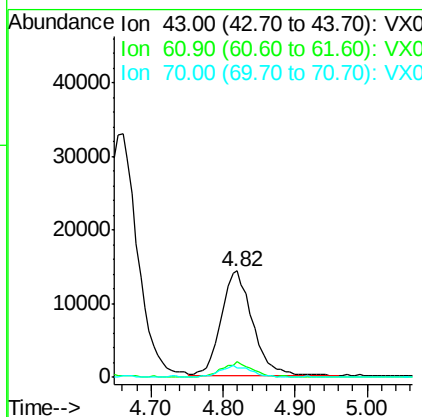
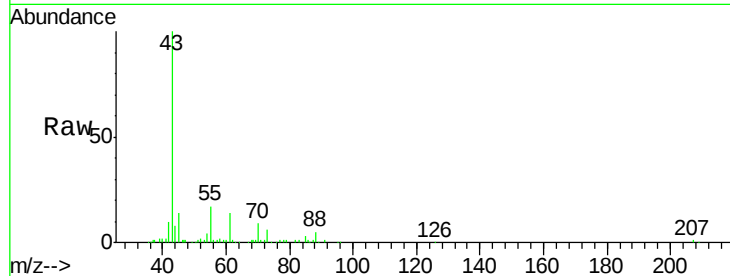
#37
Ethyl Acetate
Concen: 20.312 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.0	16.4
70	10.6	9.2	13.8

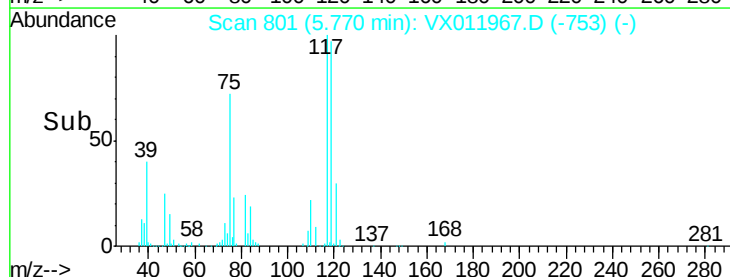
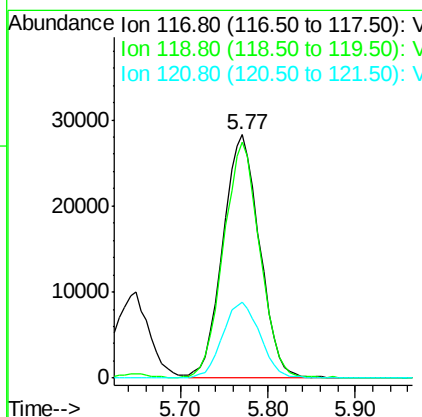
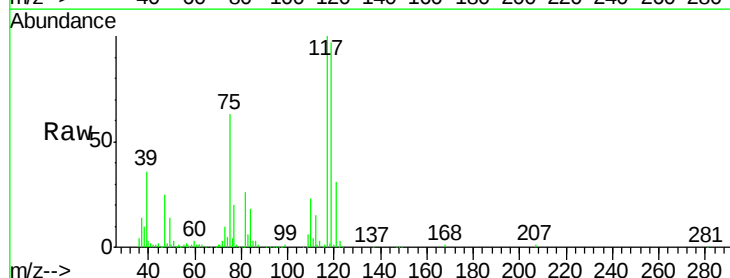
Manual Integrations
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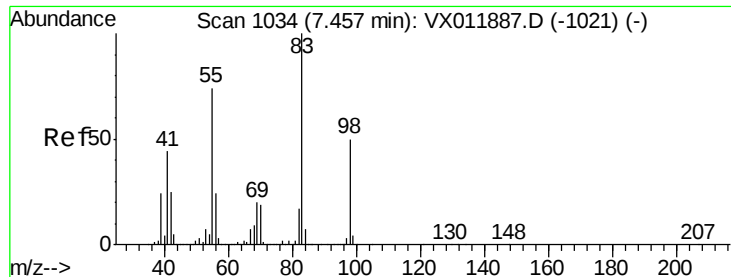
sam
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#38
Carbon Tetrachloride
Concen: 19.563 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.6	114.8
121	30.8	24.7	37.1





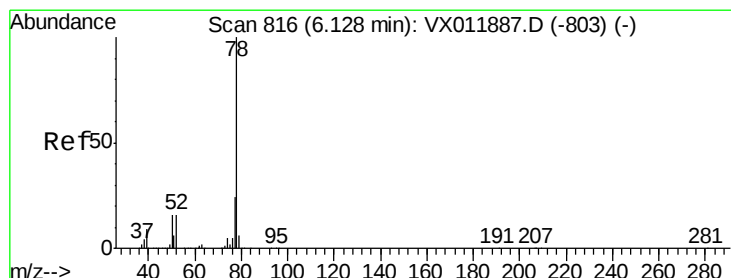
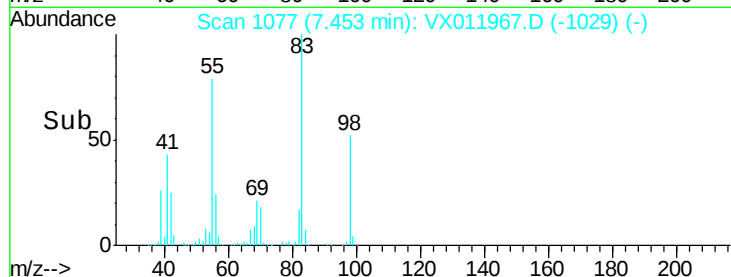
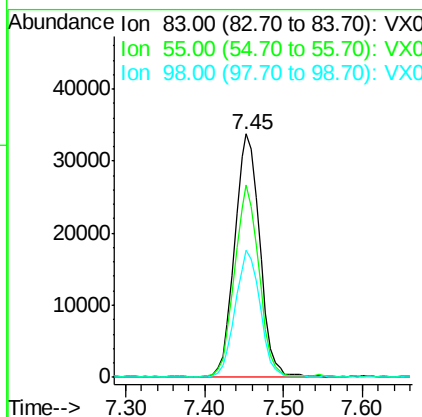
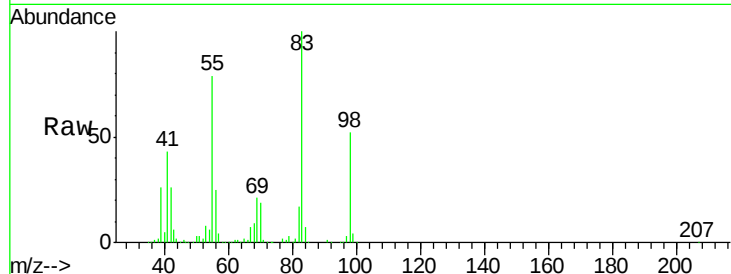
#39
Methvlcvclohexane
Concen: 17.377 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	59.4	89.0
98	52.5	40.3	60.5

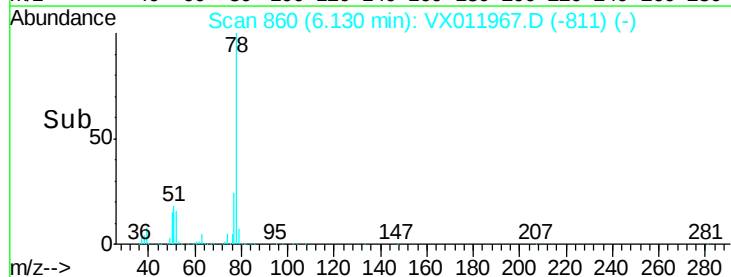
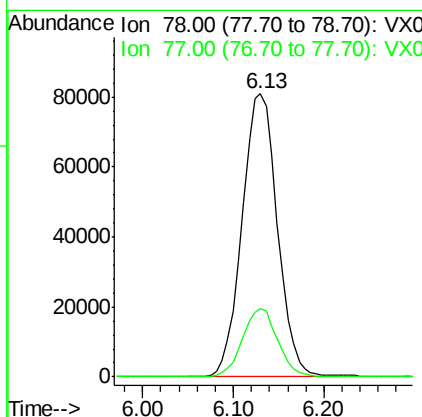
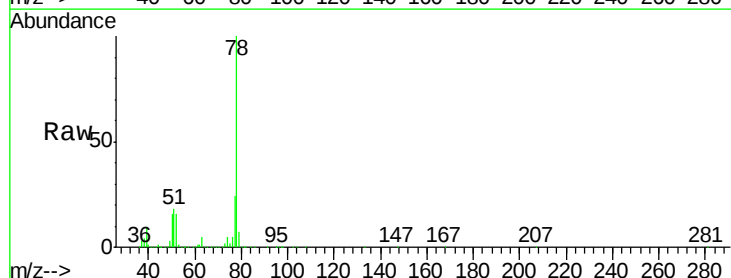
Manual Integrations
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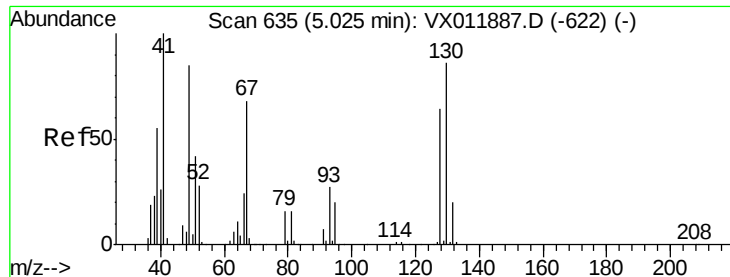
sam
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#40
Benzene
Concen: 20.150 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





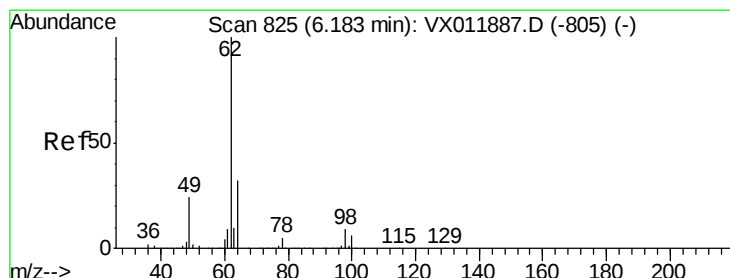
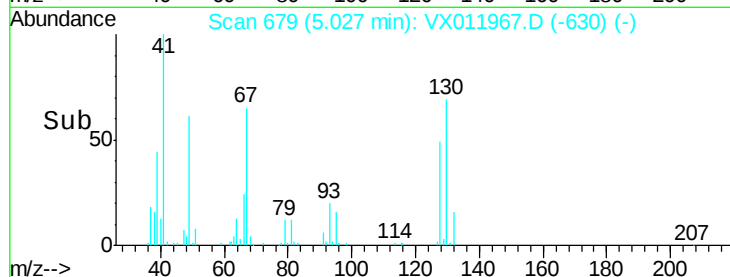
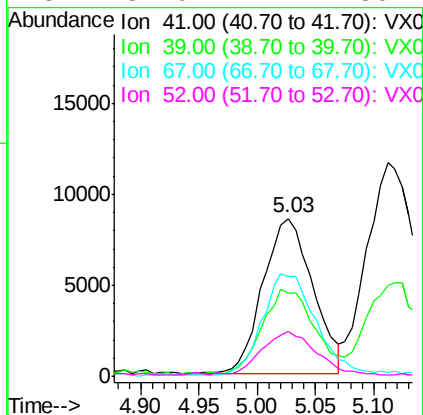
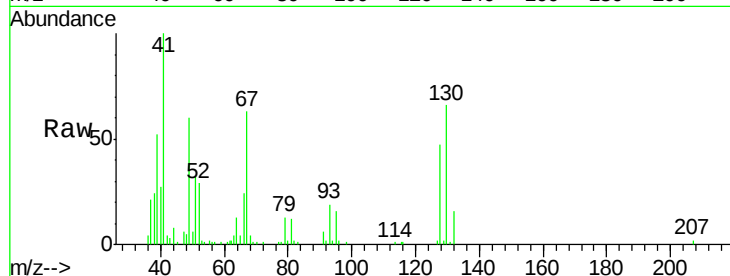
#41
Methacrylonitrile
Concen: 20.026 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Instrument :
MSVOA_X
ClientSampled :
VX0831SBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.6	45.0	67.6	
67	72.3	55.0	82.4	
52	31.0	24.1	36.1	

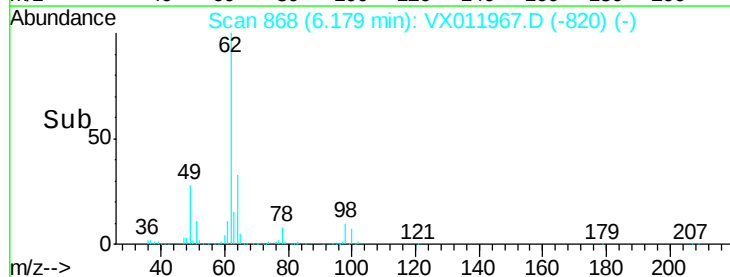
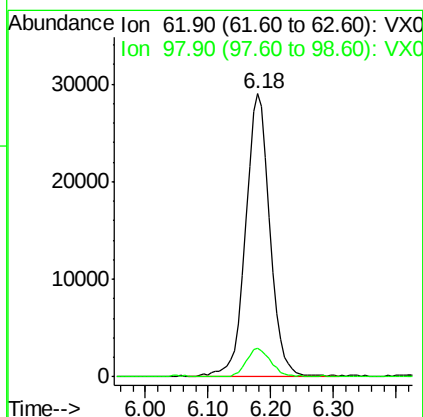
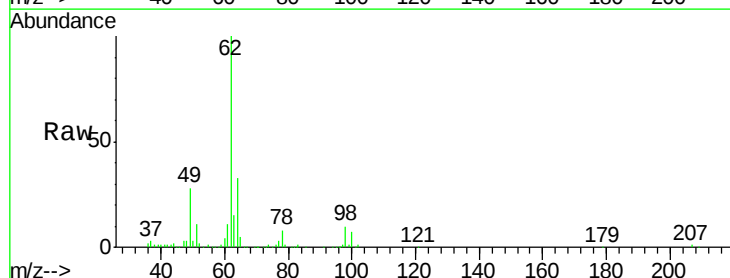
Manual Integrations
APPROVED

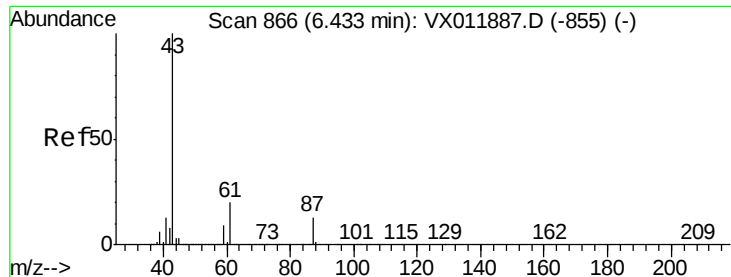
sam
9/3/2019 12:52:49 PM



#42
1,2-Dichloroethane
Concen: 21.107 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.2	





#43

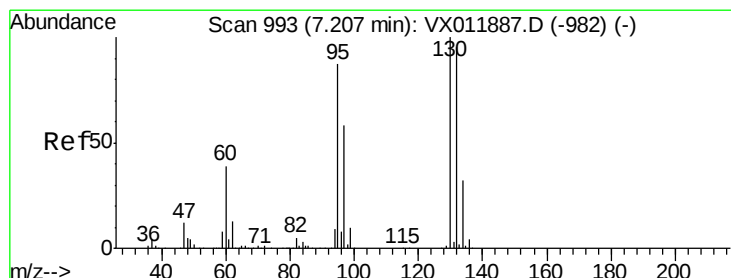
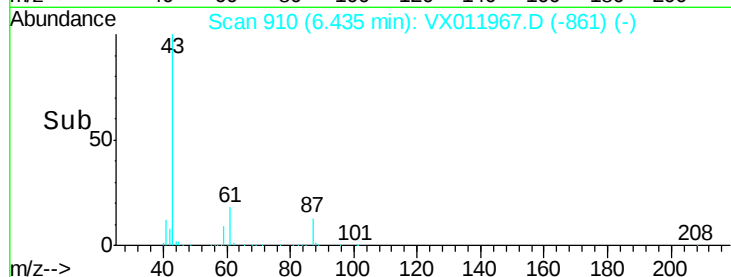
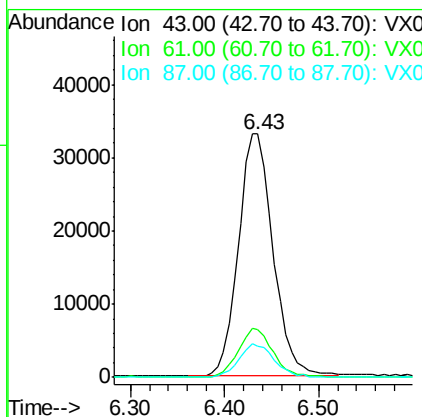
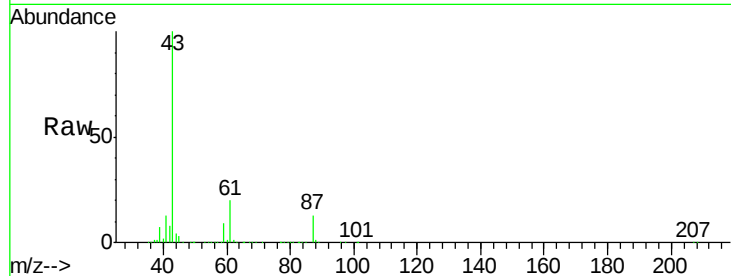
Isopropyl Acetate
 Concen: 19.506 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.1	24.1
87	14.2	10.6	16.0

Manual Integrations
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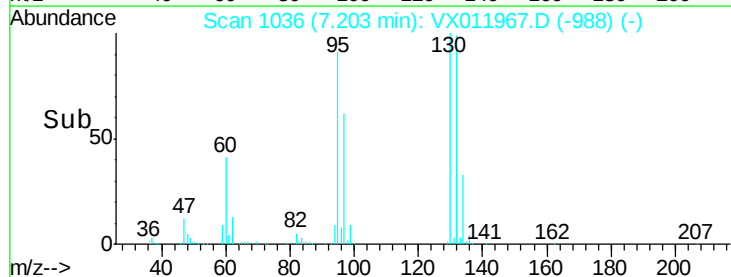
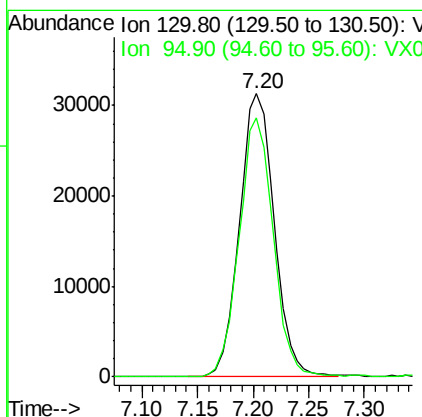
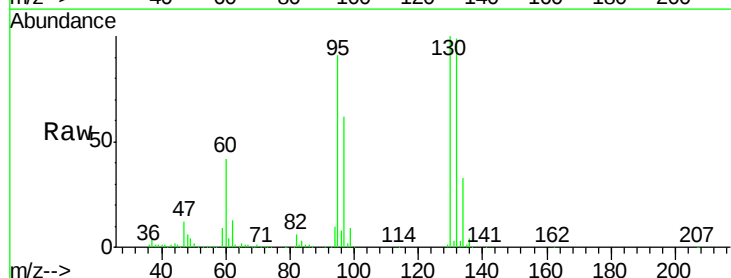
sam
 9/3/2019 12:52:49 PM

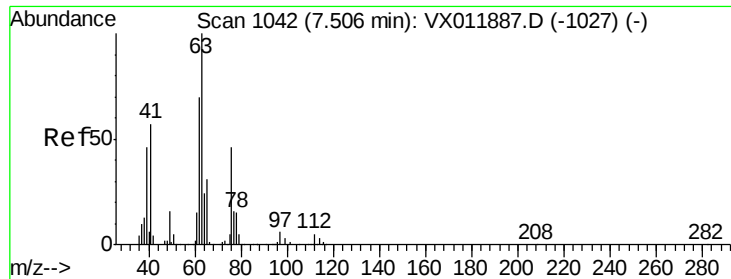


#44

Trichloroethene
 Concen: 20.272 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	174.6





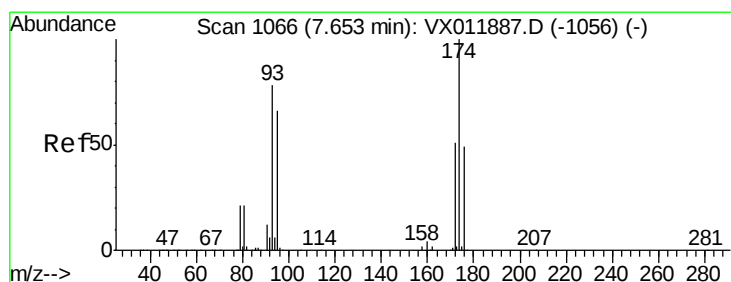
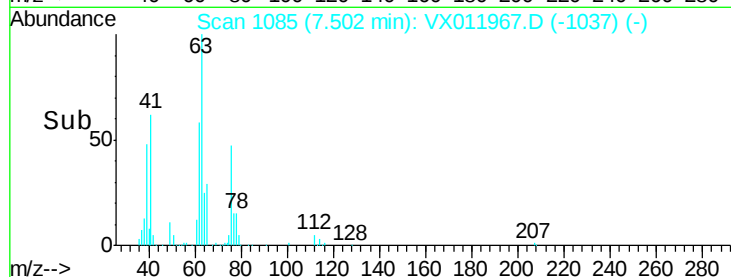
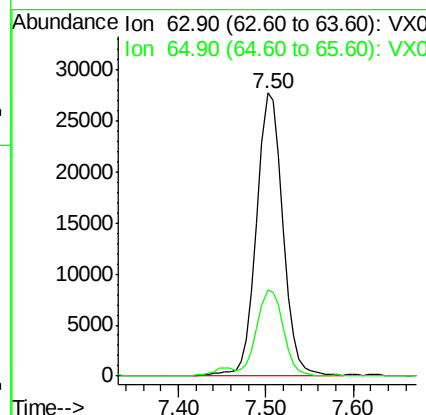
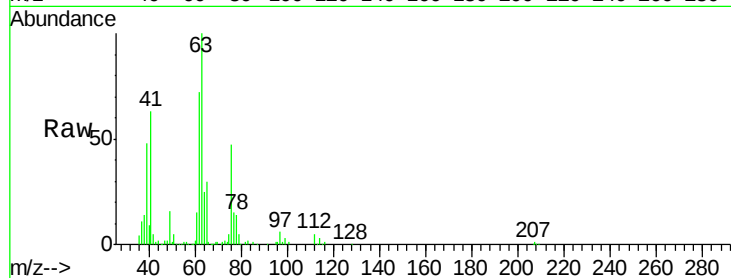
#45
 1,2-Dichloropropane
 Concen: 20.686 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.1	37.7

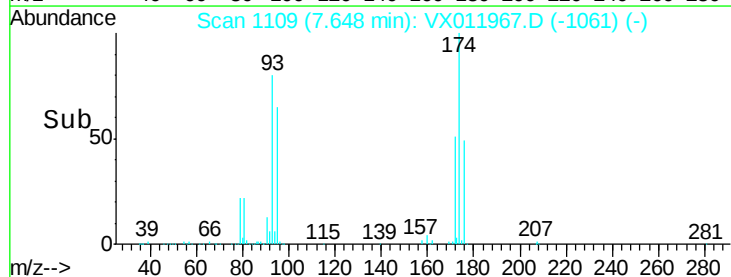
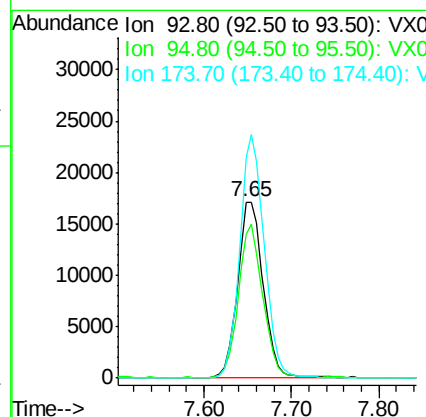
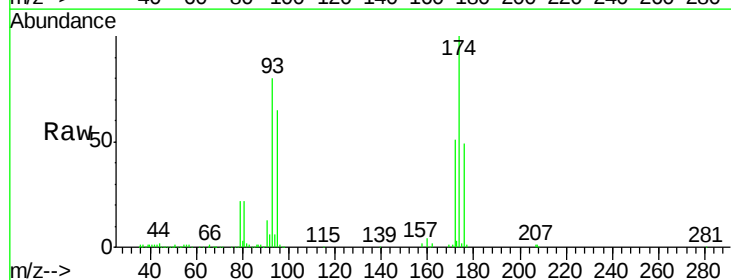
Manual Integrations
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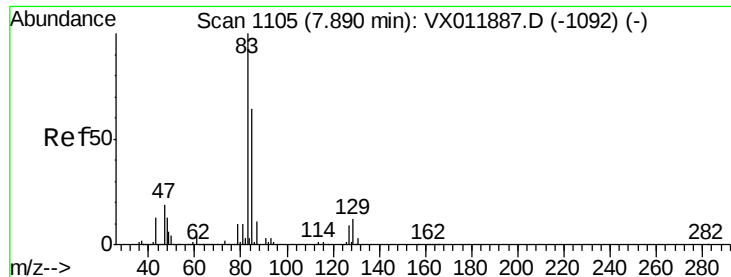
sam
 9/3/2019 12:52:49 PM



#46
 Dibromomethane
 Concen: 20.889 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.7	98.5
174	131.7	104.2	156.4





#47

Bromodichloromethane

Concen: 20.822 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

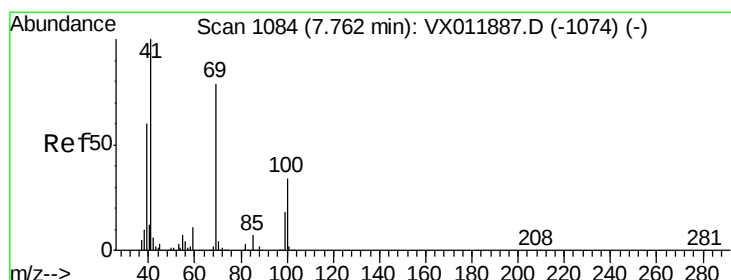
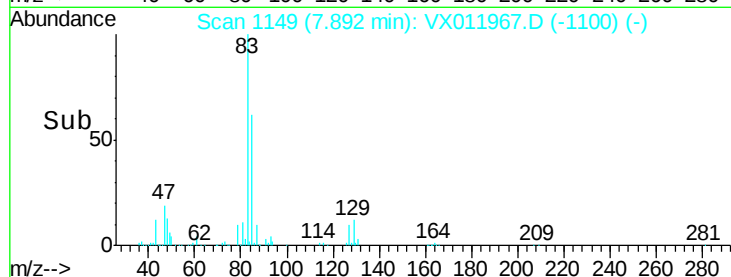
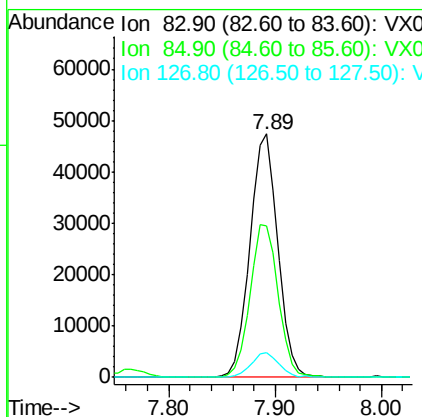
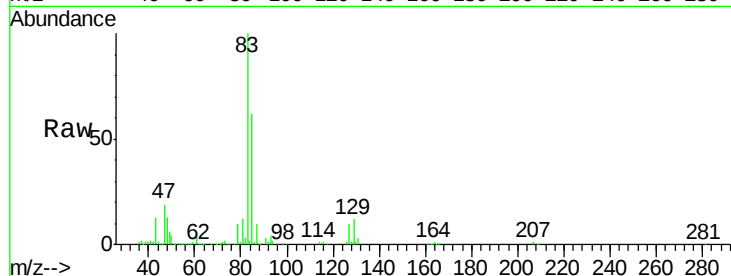
ClientSampleId :

VX0831SBSD02

Tot Ion:	83	Resp:	86890
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.1	76.7
127	10.4	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.240 ug/l

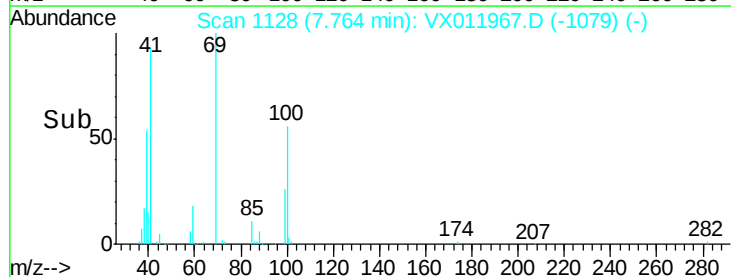
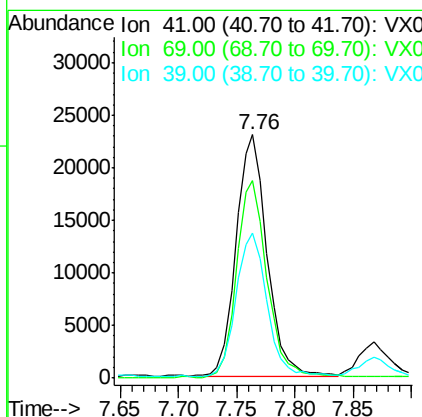
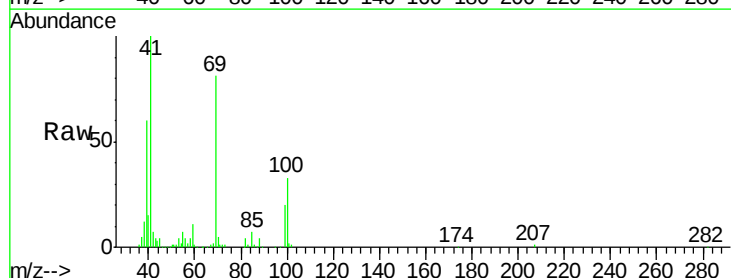
RT: 7.76 min Scan# 1128

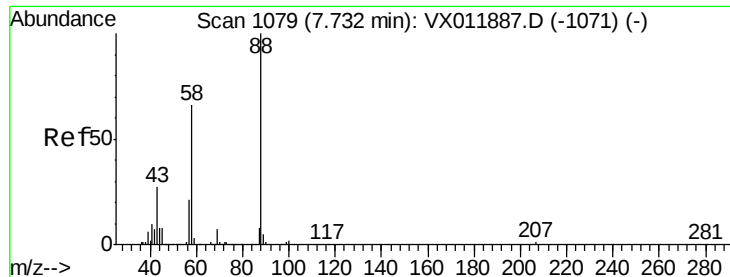
Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Tgt Ion:	41	Resp:	42923
Ion	Ratio	Lower	Upper
41	100		
69	79.8	64.4	96.6
39	58.2	47.2	70.8





#49

1,4-Dioxane

Concen: 422.838 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

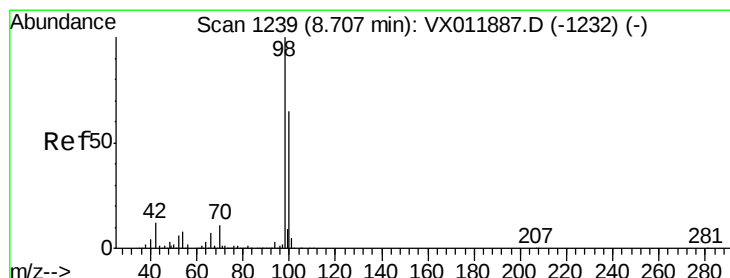
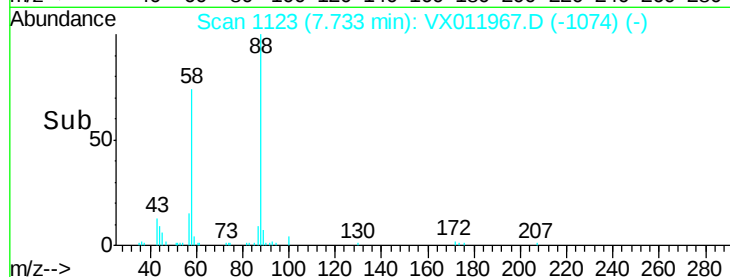
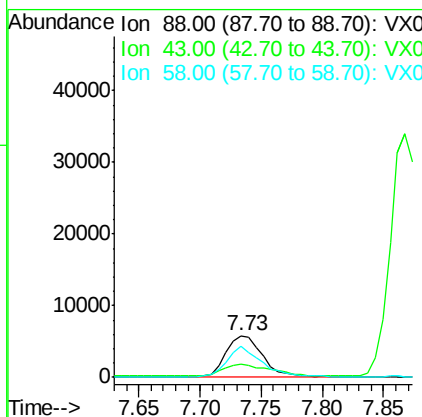
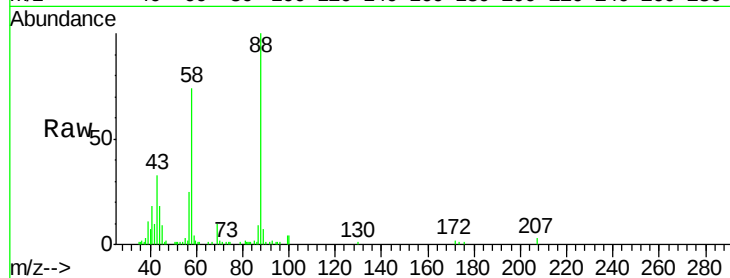
ClientSampleId :

VX0831SBSD02

Tot Ion:	88	Resp:	12331
Ion	Ratio	Lower	Upper
88	100		
43	36.7	27.3	40.9
58	72.2	53.9	80.9

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#50

Toluene-d8

Concen: 50.318 ug/l

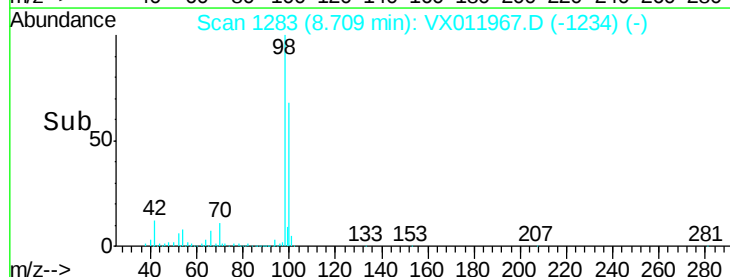
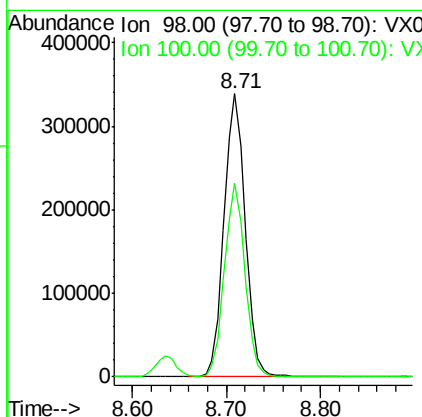
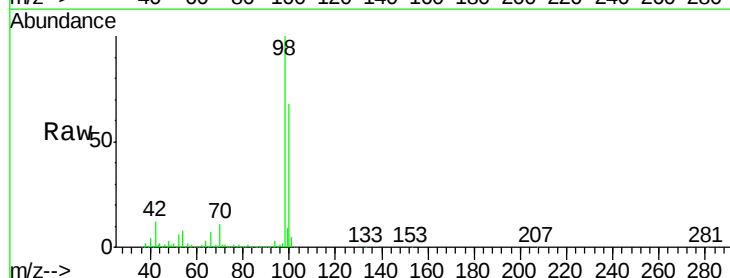
RT: 8.71 min Scan# 1283

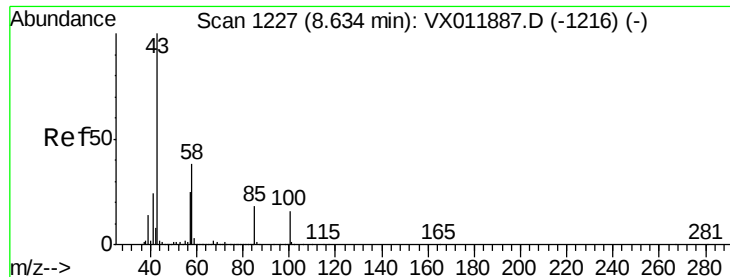
Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Tgt Ion:	98	Resp:	528741
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.6





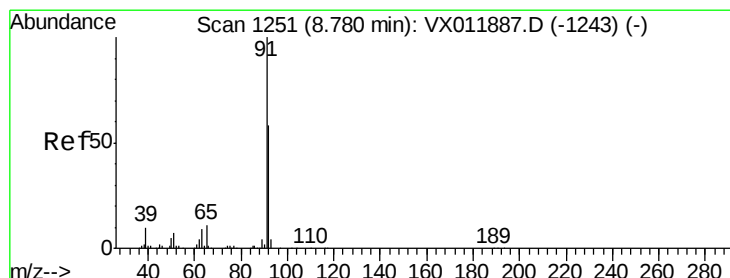
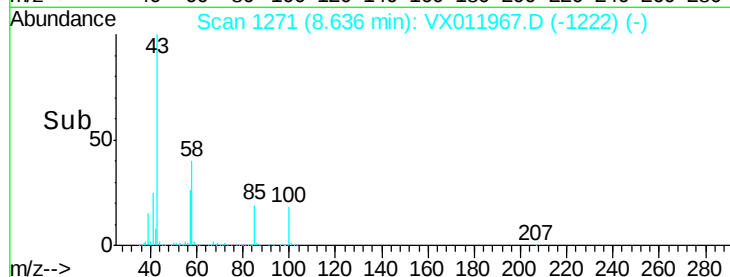
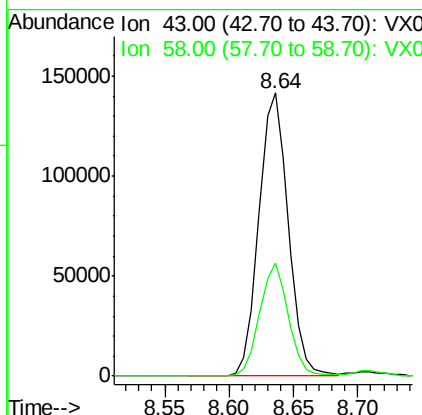
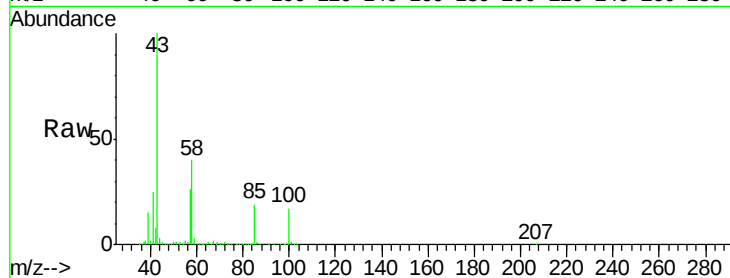
#51
 4-Methyl-2-Pentanone
 Concen: 100.208 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion	43	Resp	221879
Ion Ratio	Lower	Upper	
43	100		
58	39.2	30.9	46.3

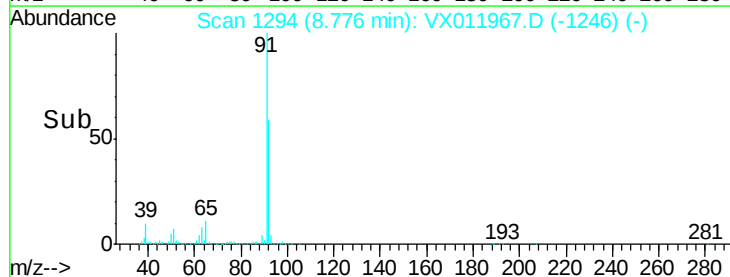
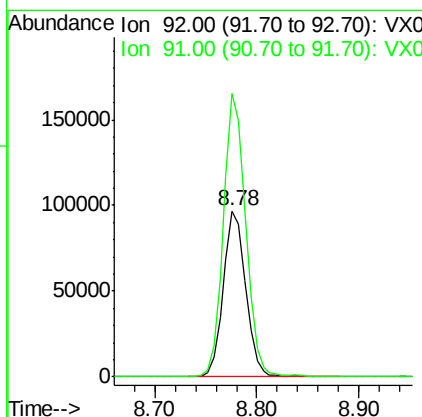
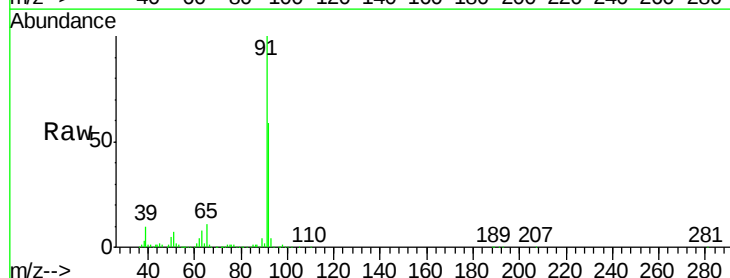
Manual Integrations
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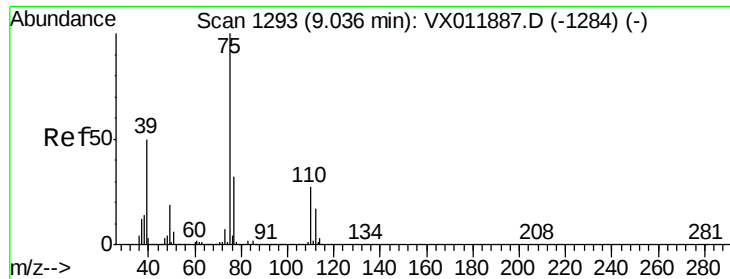
sam
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#52
 Toluene
 Concen: 20.660 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Tgt Ion	92	Resp	148167
Ion Ratio	Lower	Upper	
92	100		
91	169.5	136.8	205.2





#53

t-1,3-Dichloropropene

Concen: 19.923 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBSD02

Tot Ion: 75 Resp: 85162

Ion Ratio Lower Upper

75 100

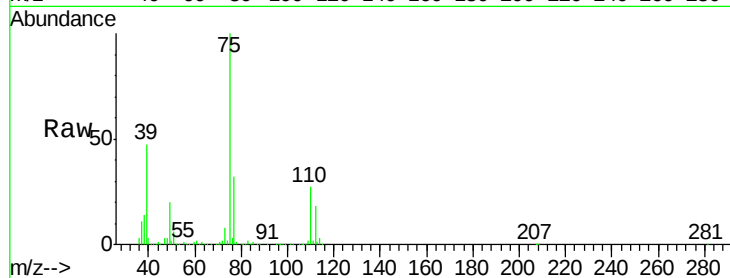
77 31.3 25.6 38.4

Manual Integrations

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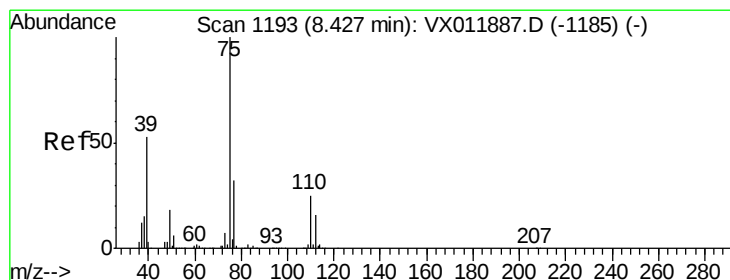
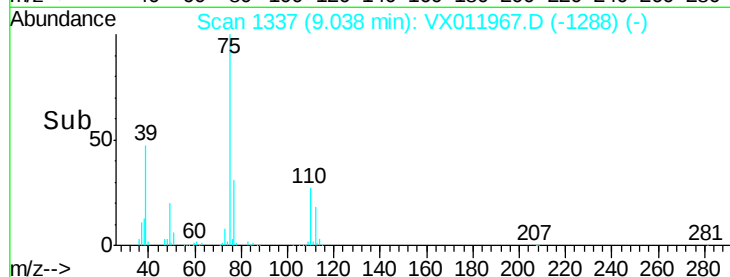
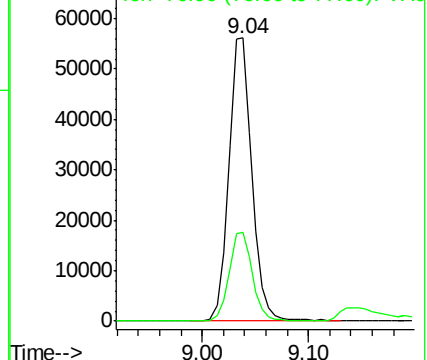
sam

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.024 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

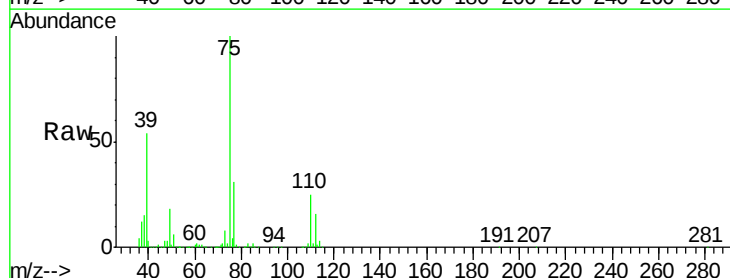
Tgt Ion: 75 Resp: 96083

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

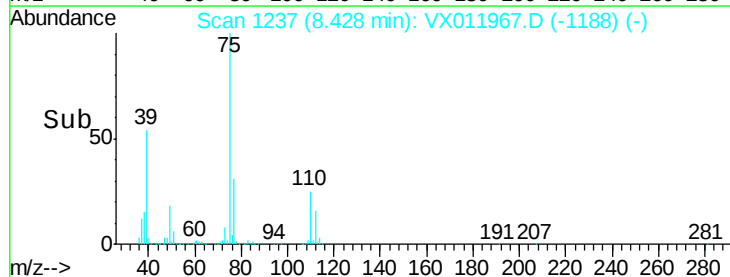
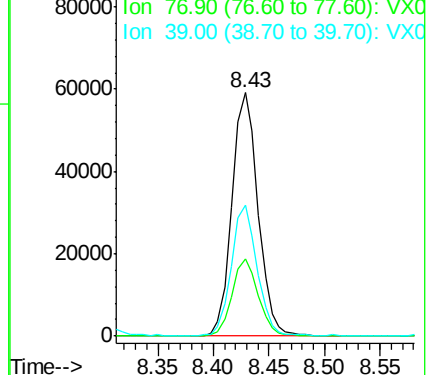
39 53.5 42.6 64.0

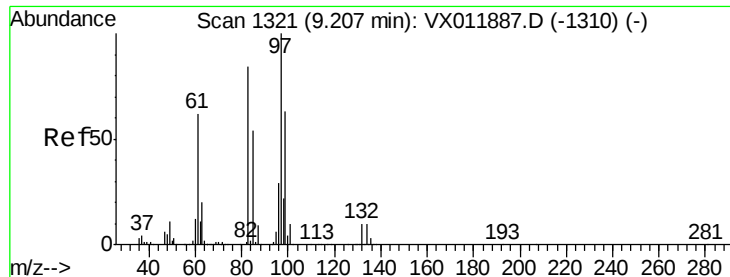


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





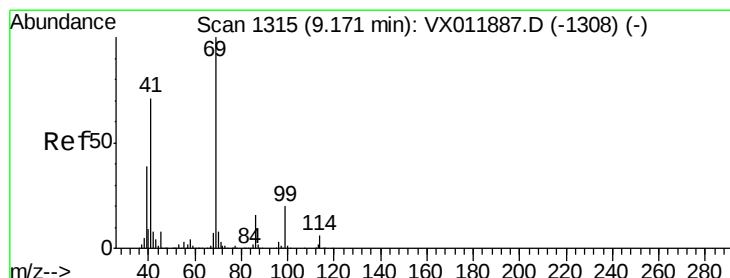
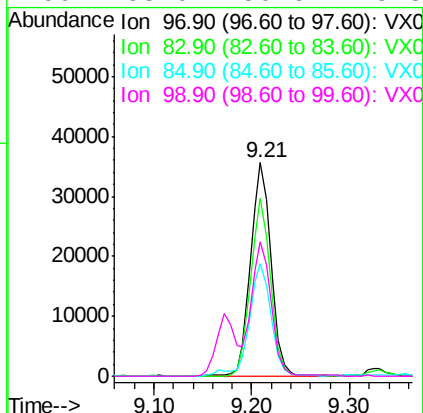
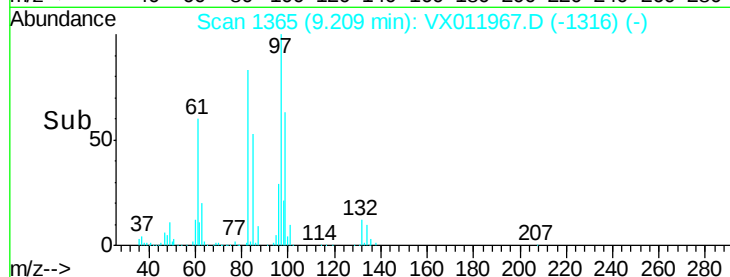
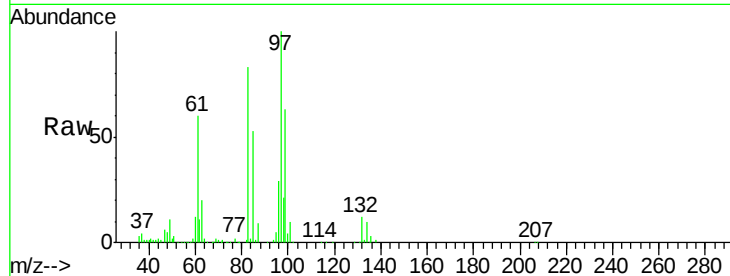
#55
 1,1,2-Trichloroethane
 Concen: 21.135 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion:	97	Resp:	52070
Ion	Ratio	Lower	Upper
97	100		
83	82.8	66.8	100.2
85	53.0	43.5	65.3
99	63.0	50.6	75.8

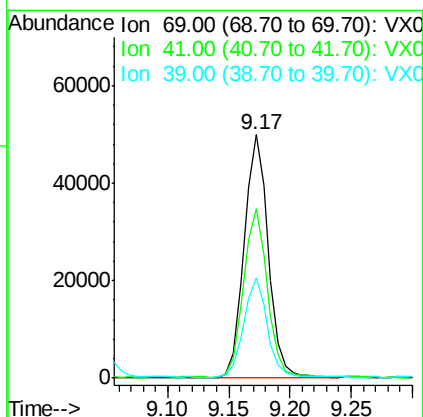
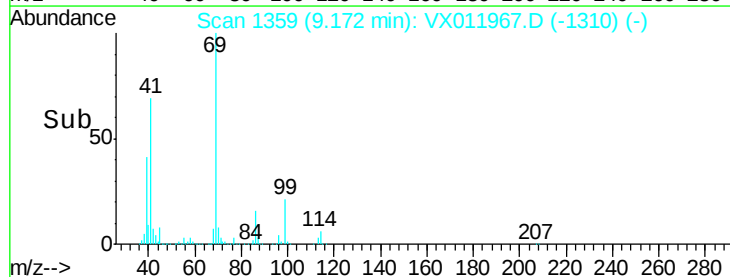
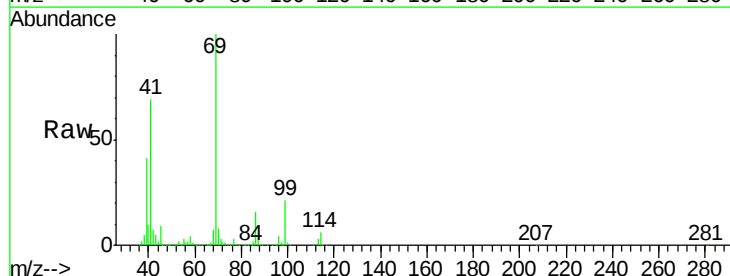
Manual Integrations
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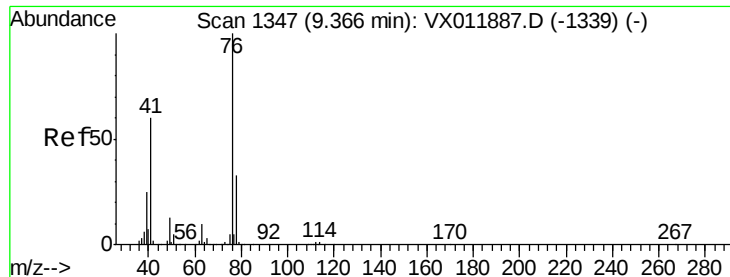
sam
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#56
 Ethyl methacrylate
 Concen: 19.905 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Tgt Ion:	69	Resp:	68061
Ion	Ratio	Lower	Upper
69	100		
41	68.6	55.8	83.8
39	39.7	31.1	46.7





#57

1,3-Dichloropropane

Concen: 20.781 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 76 Resp: 84978

Ion Ratio Lower Upper

76 100

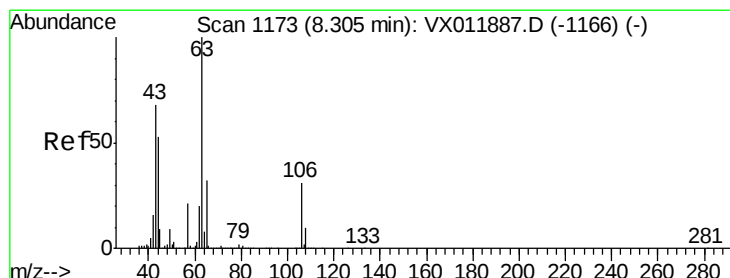
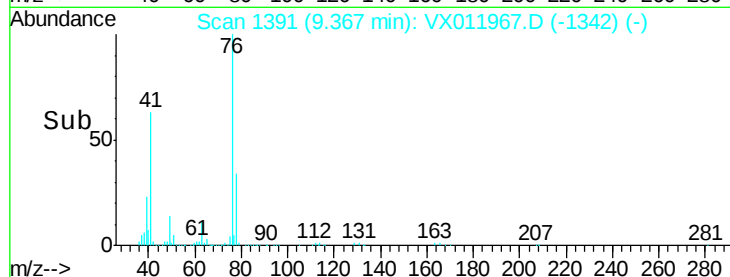
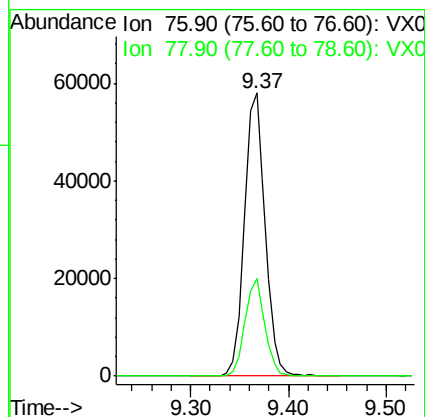
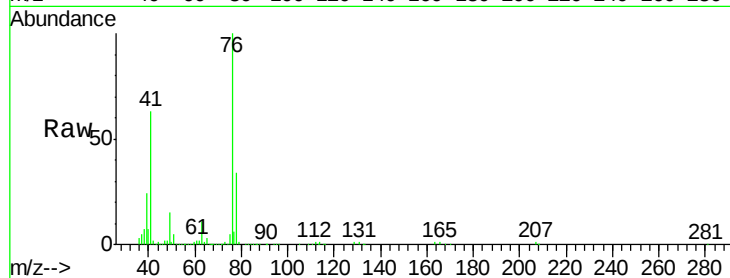
78 33.4 26.4 39.6

Manual Integrations

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sam

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#58

2-Chloroethyl Vinyl ether

Concen: 101.505 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX011967.D

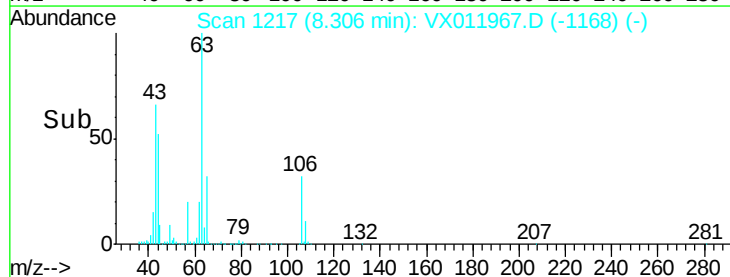
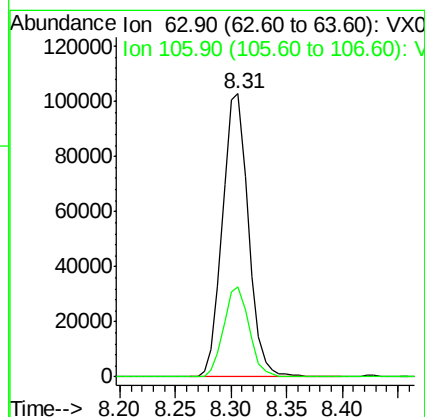
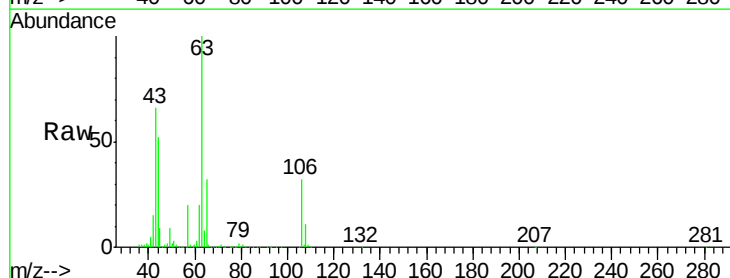
Acq: 31 Aug 2019 23:48

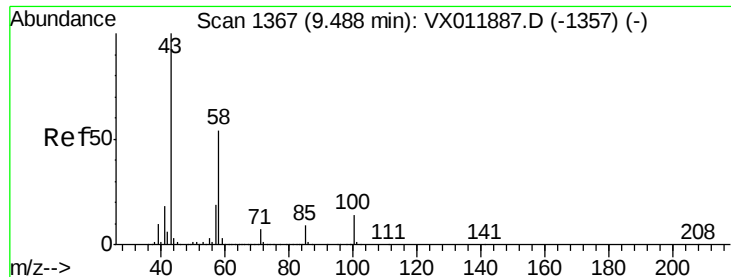
Tgt Ion: 63 Resp: 165311

Ion Ratio Lower Upper

63 100

106 31.5 24.8 37.2





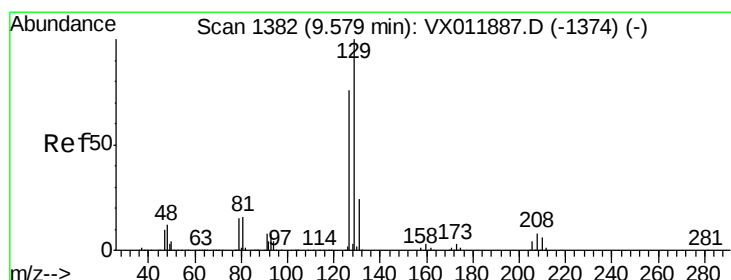
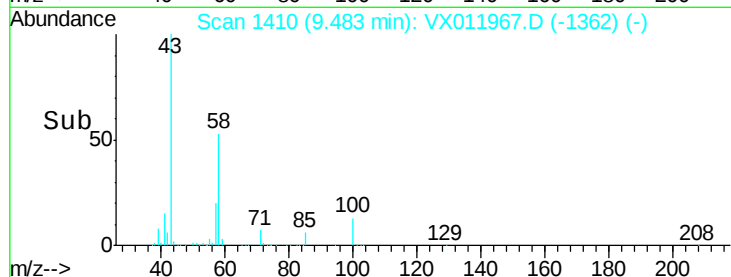
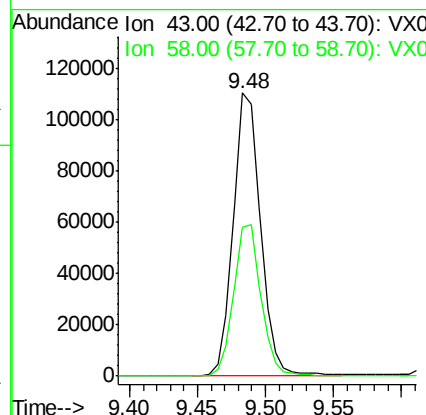
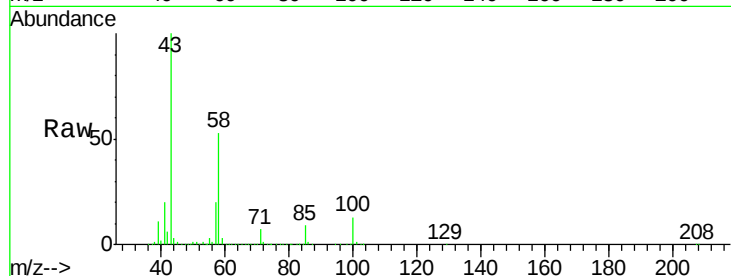
#59
2-Hexanone
Concen: 97.790 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBSD02

Tot Ion: 43 Resp: 153805
Ion Ratio Lower Upper
43 100
58 54.2 26.8 80.4

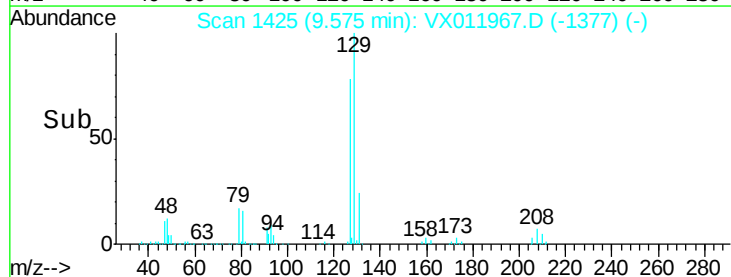
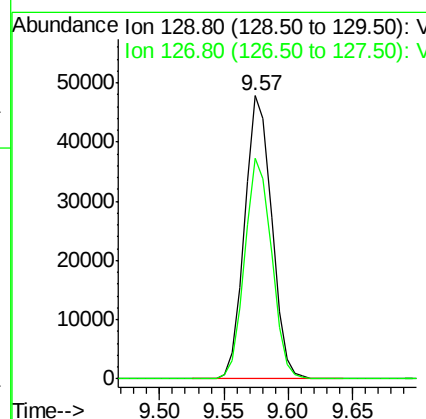
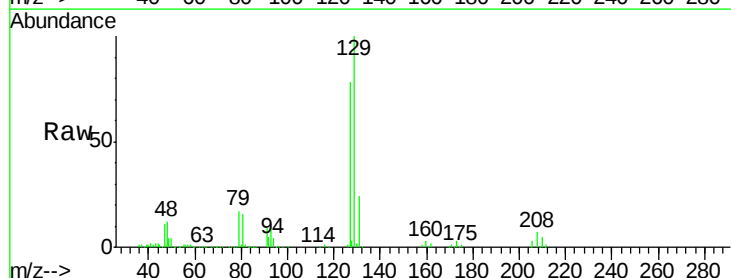
Manual Integrations
APPROVED

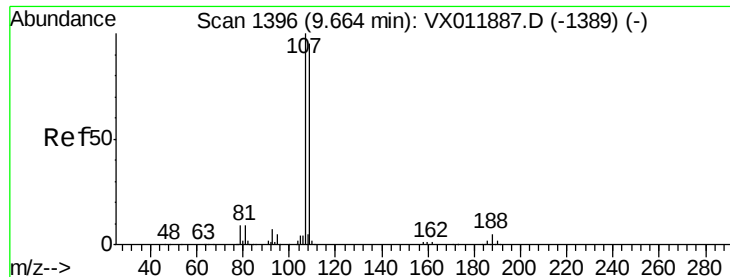
sam
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#60
Dibromochloromethane
Concen: 21.003 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Tgt Ion: 129 Resp: 69497
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.7





#61

1,2-Dibromoethane

Concen: 21.133 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBSD02

Tot Ion: 107 Resp: 51621

Ion Ratio Lower Upper

107 100

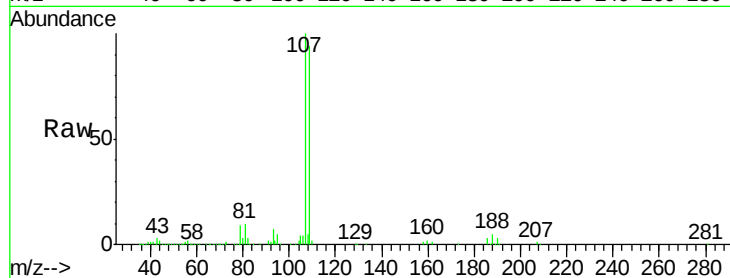
109 92.8 75.3 112.9

Manual Integrations

APPROVED

sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

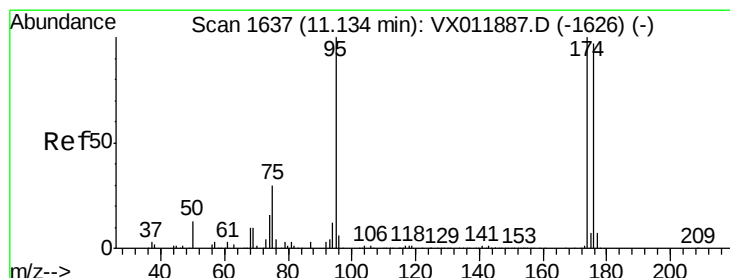
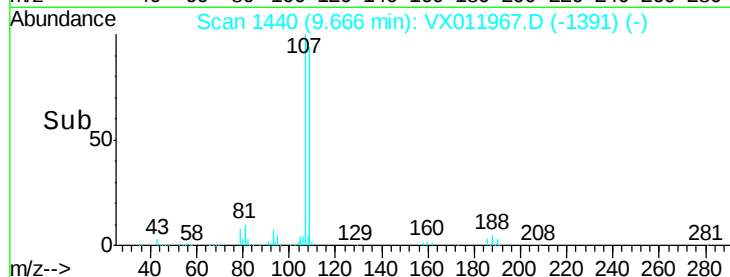
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.426 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

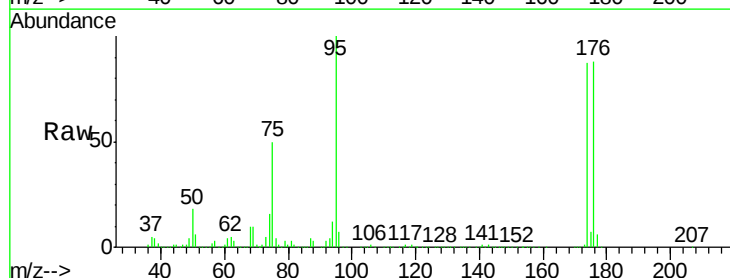
Tgt Ion: 95 Resp: 223216

Ion Ratio Lower Upper

95 100

174 98.4 0.0 196.0

176 97.3 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

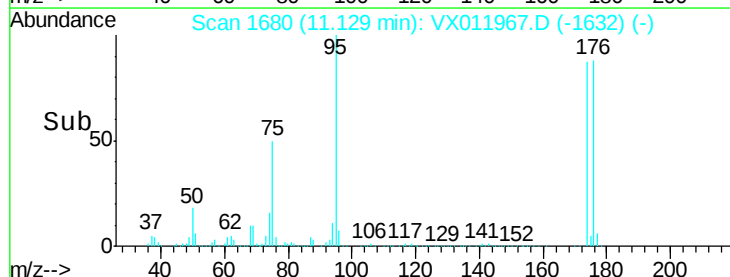
150000

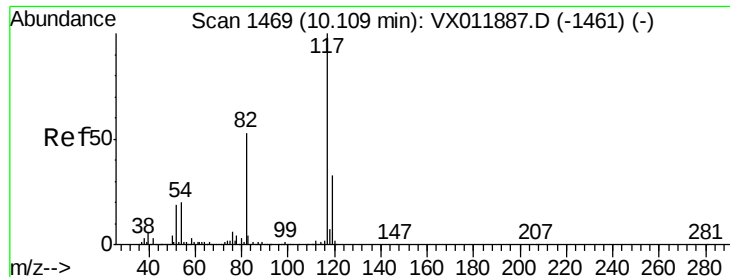
100000

50000

0

Time-->





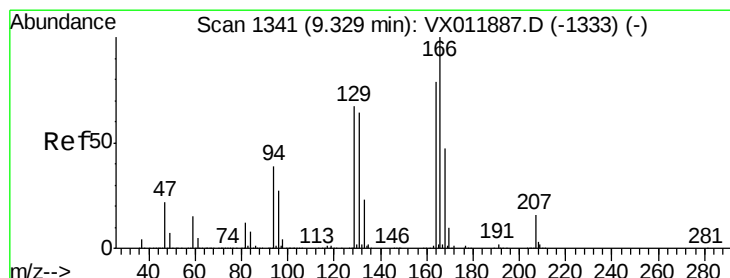
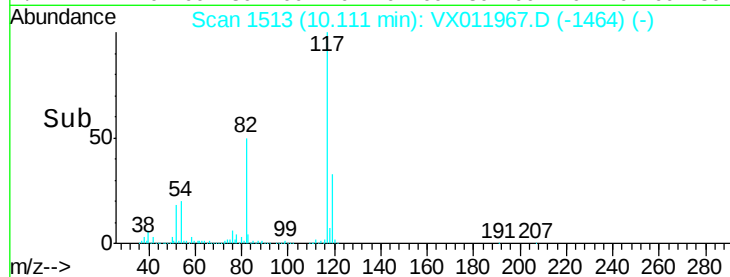
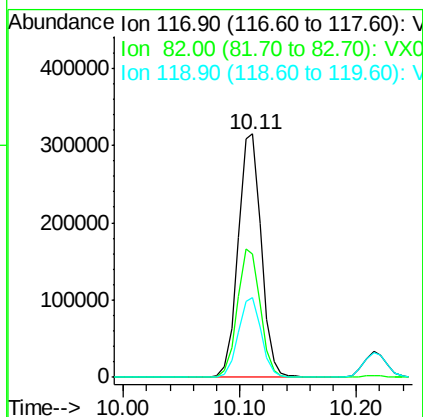
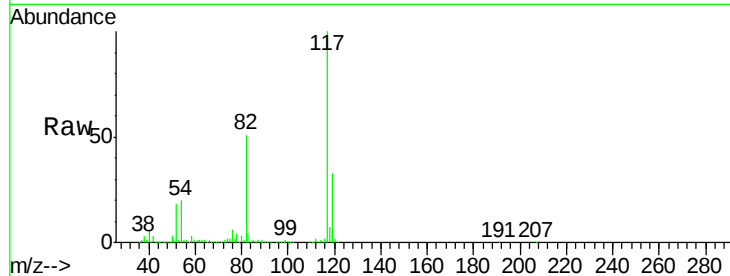
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	435994		
82	50.5		42.0	63.0
119	32.7		26.2	39.4

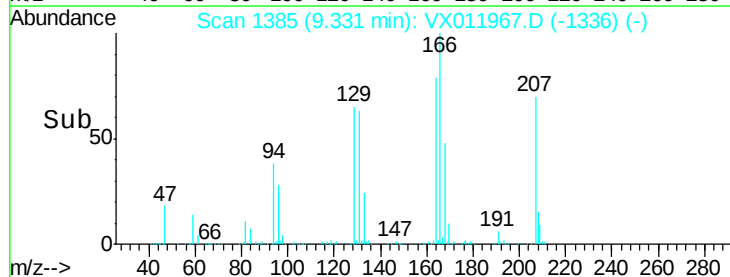
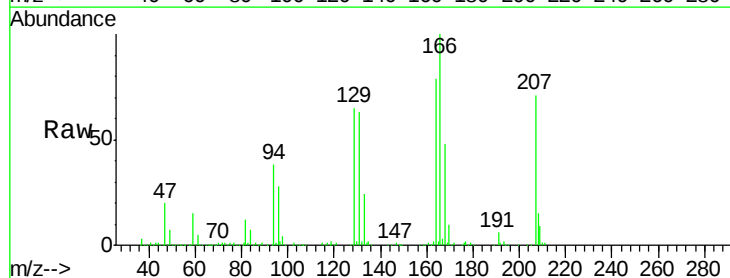
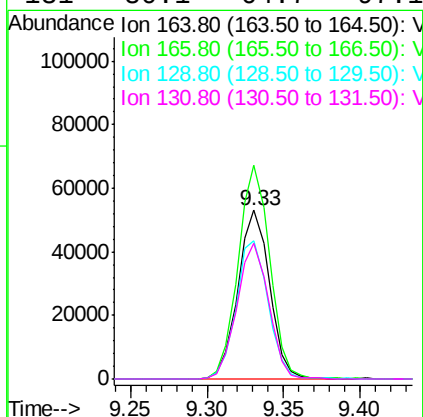
Manual Integrations
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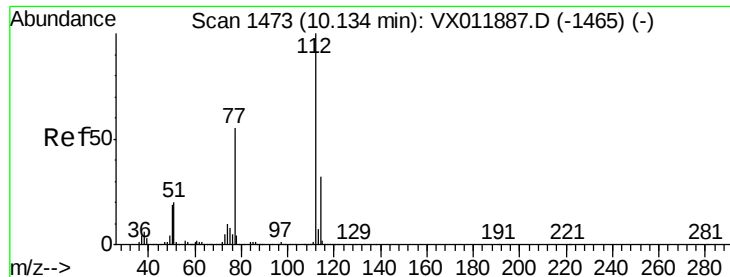
sam
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#64
Tetrachloroethene
Concen: 21.754 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76293		
166	126.5		101.4	152.0
129	81.7		68.0	102.0
131	80.1		64.7	97.1





#65

Chlorobenzene

Concen: 20.739 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBSD02

Tot Ion:112 Resp: 175222

Ion Ratio Lower Upper

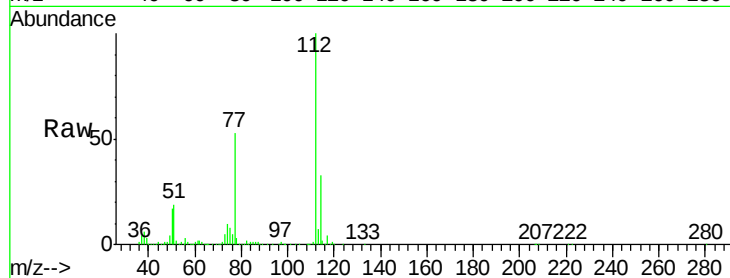
112 100

114 32.8 25.9 38.9

Manual Integrations
APPROVED

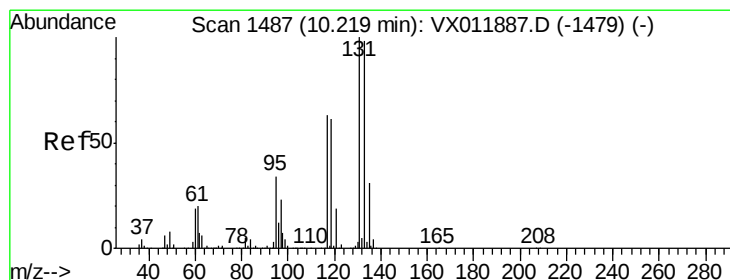
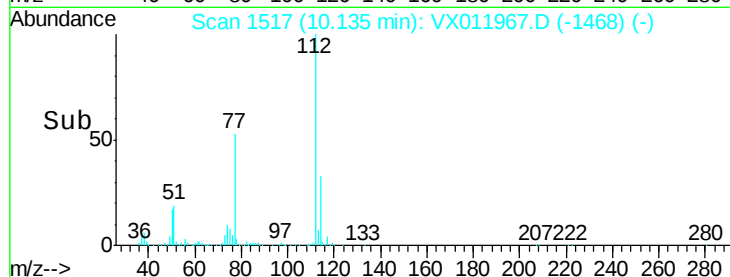
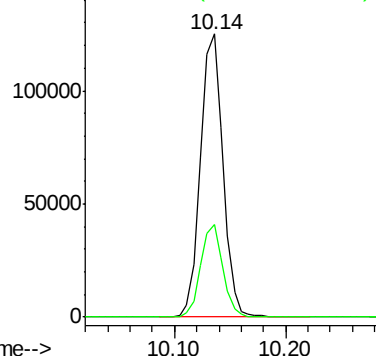
sam

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.249 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

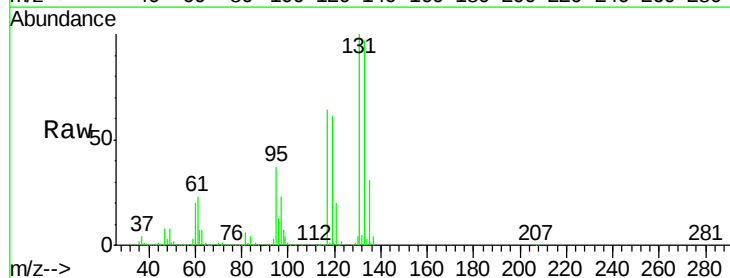
Tgt Ion:131 Resp: 72601

Ion Ratio Lower Upper

131 100

133 96.8 48.4 145.0

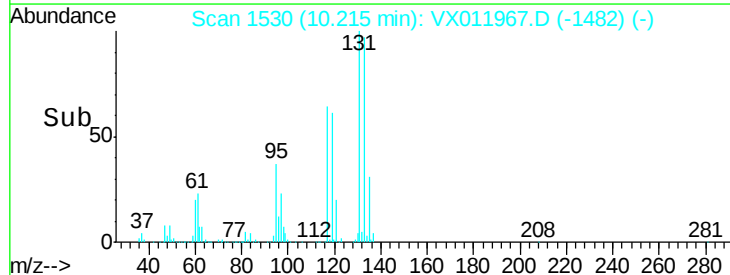
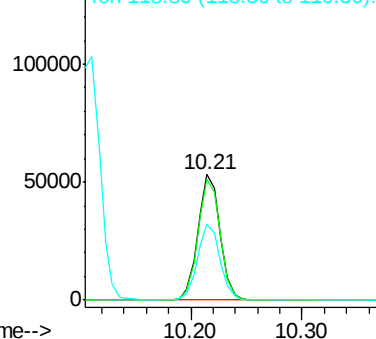
119 61.9 30.6 92.0

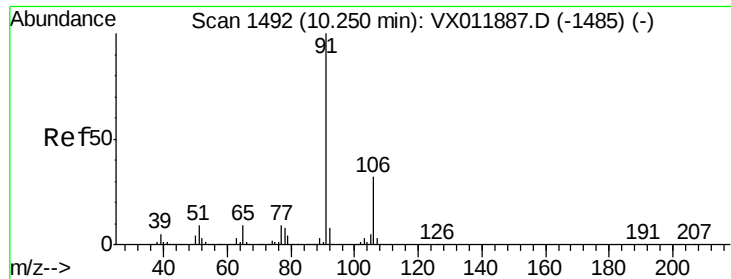


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.252 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

ClientSampled :

VX0831SBS02

Tot Ion: 91 Resp: 291059

Ion Ratio Lower Upper

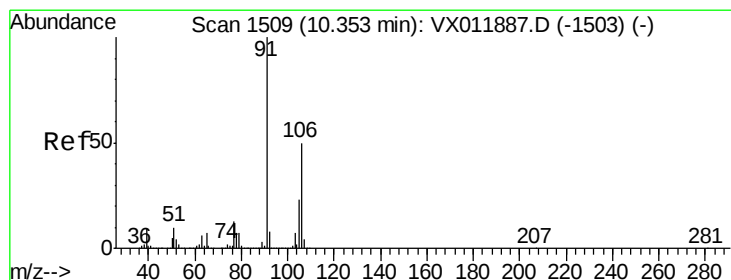
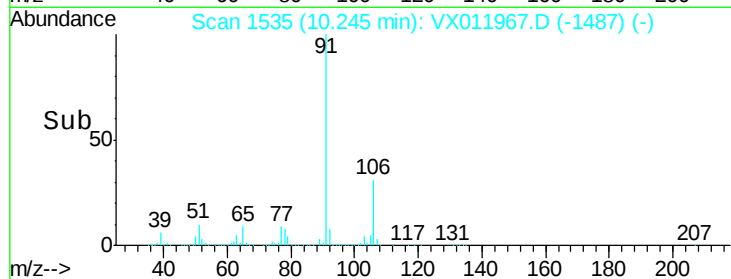
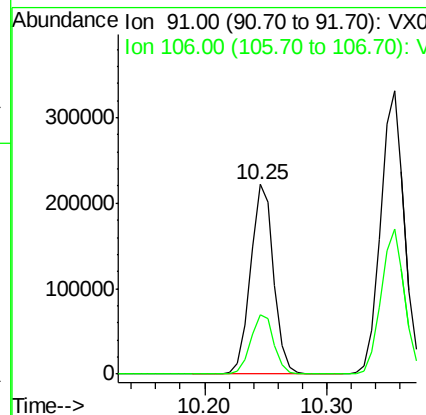
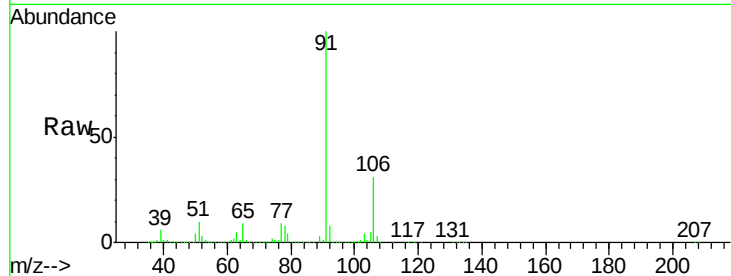
91 100

106 31.5 25.8 38.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.996 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX011967.D

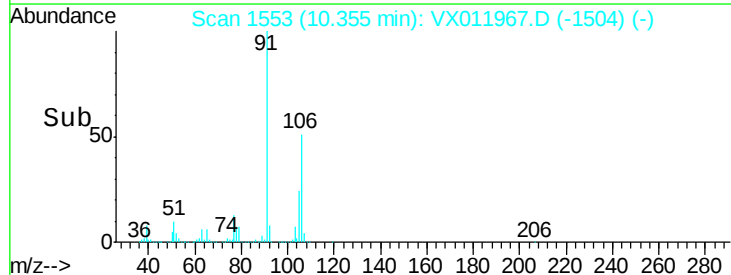
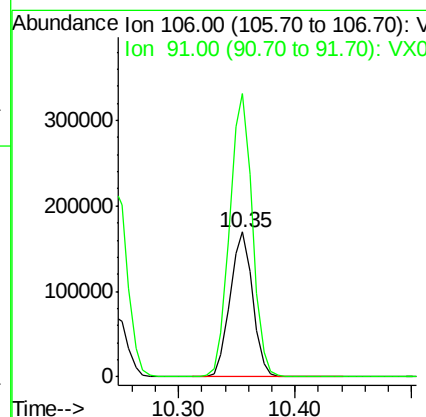
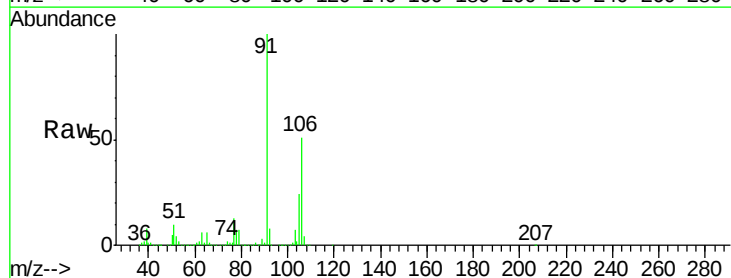
Acq: 31 Aug 2019 23:48

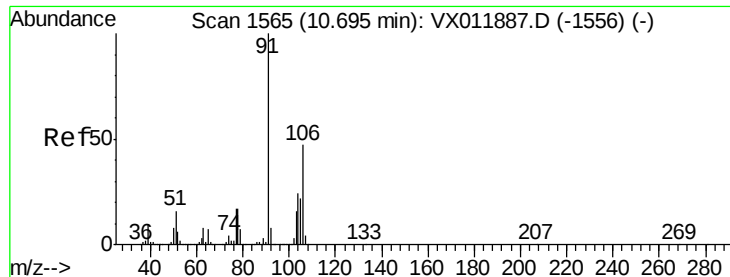
Tgt Ion: 106 Resp: 227505

Ion Ratio Lower Upper

106 100

91 195.7 158.6 237.8





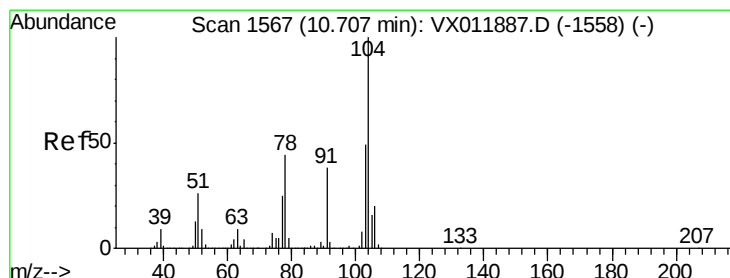
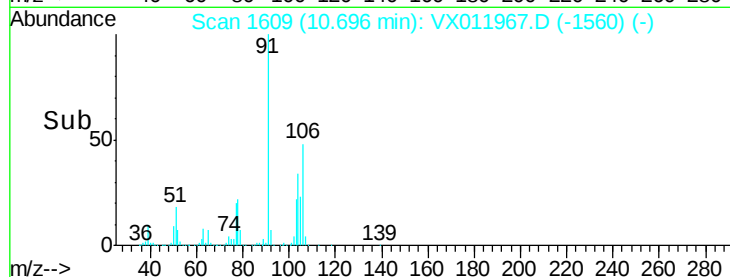
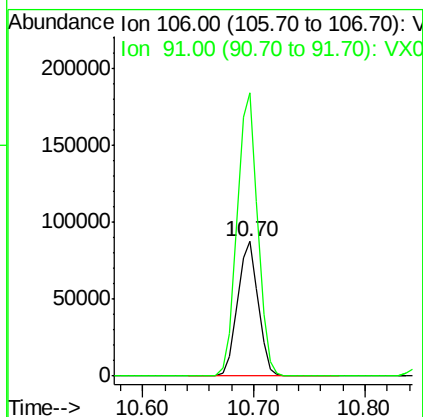
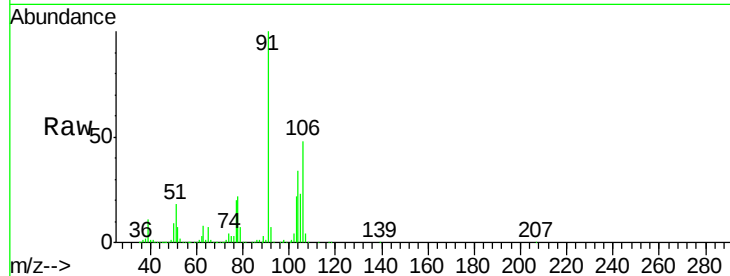
#69
o-Xylene
Concen: 20.698 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.4	104.8	314.6

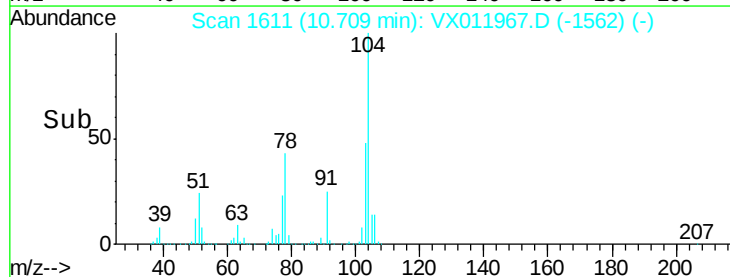
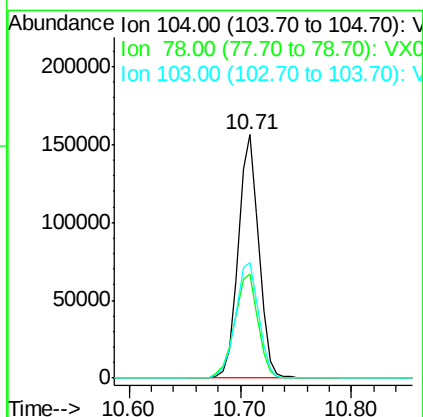
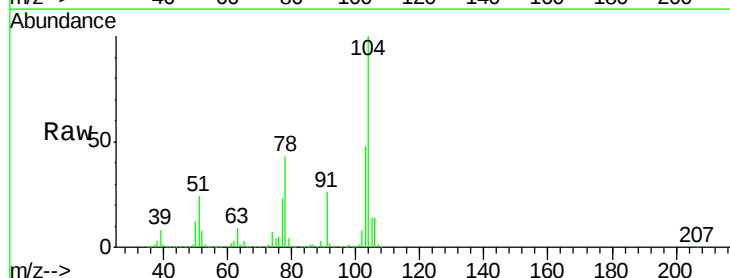
Manual Integrations
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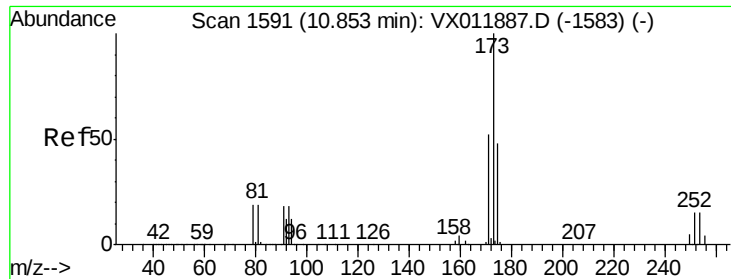
sam
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#70
Styrene
Concen: 20.863 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.2	58.8
103	53.8	43.0	64.6





#71

Bromoform

Concen: 20.455 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

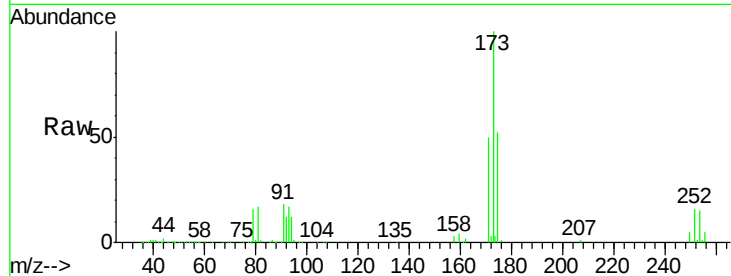
ClientSampleId :

VX0831SBSD02

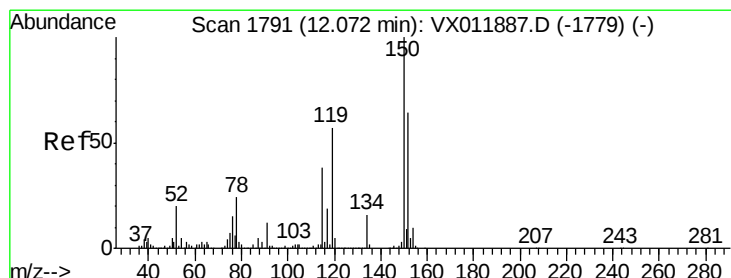
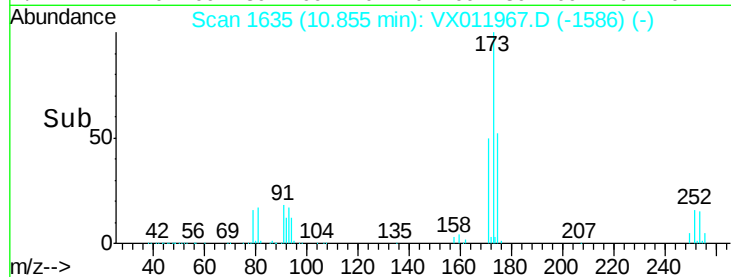
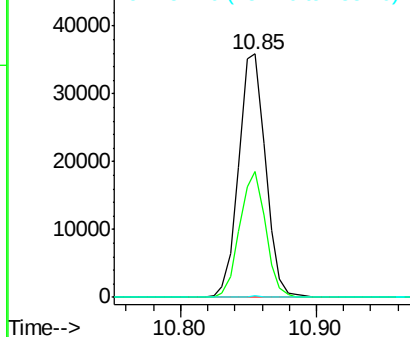
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.4	73.2
254	0.2	0.1	0.1#

Manual Integrations
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sam
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

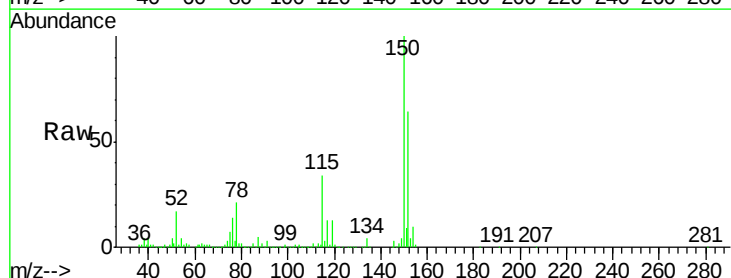
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

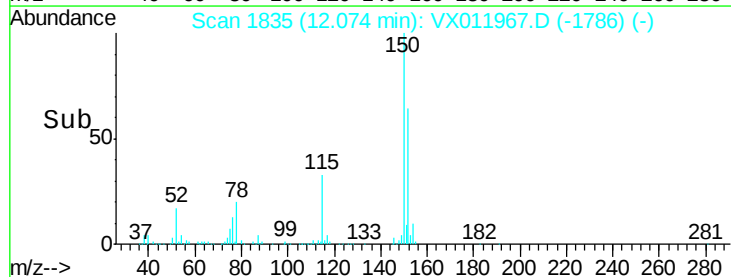
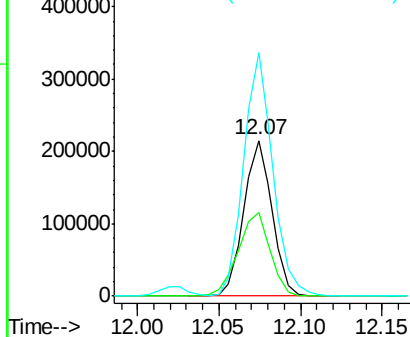
Lab File: VX011967.D

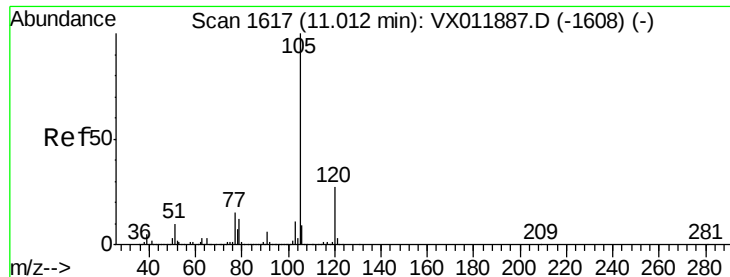
Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	37.1	111.3
150	161.1	0.0	339.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.711 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 105 Resp: 294271

Ion Ratio Lower Upper

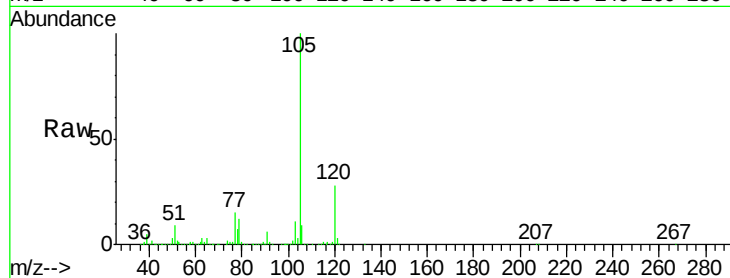
105 100

120 27.8 13.8 41.4

Manual Integrations
APPROVED

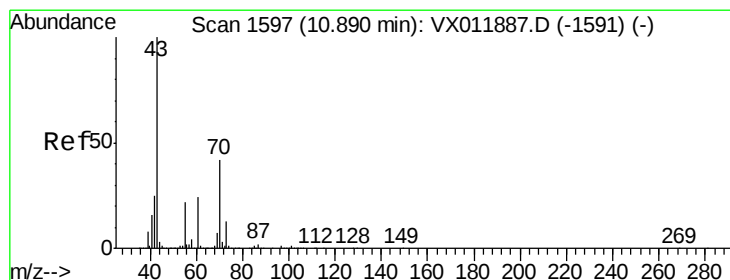
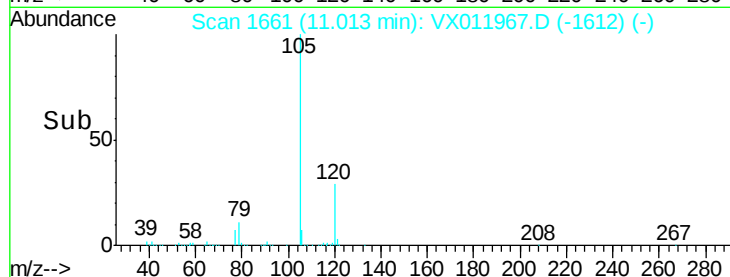
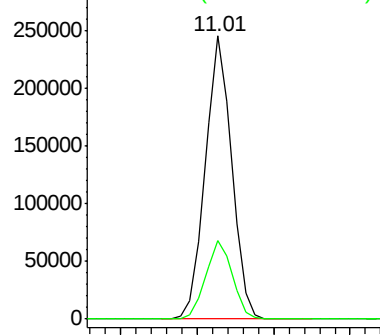
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.587 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Tgt Ion: 43 Resp: 82347

Ion Ratio Lower Upper

43 100

70 43.1 0.2 0.2#

55 23.4 0.1 0.1#

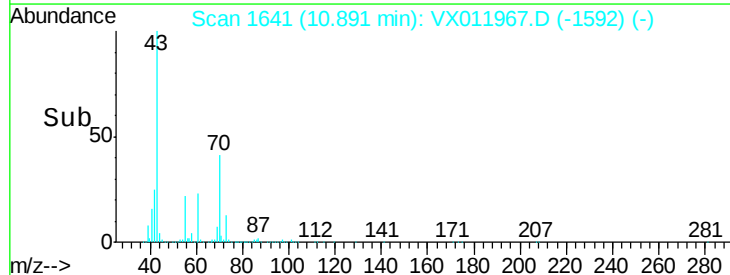
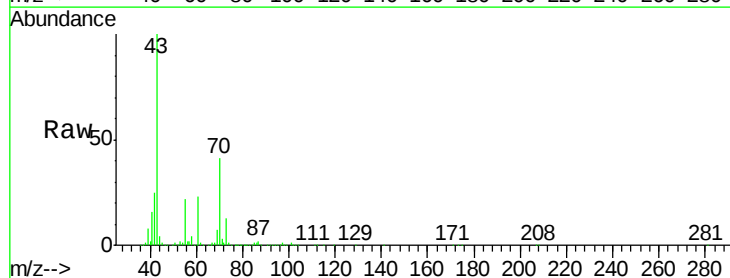
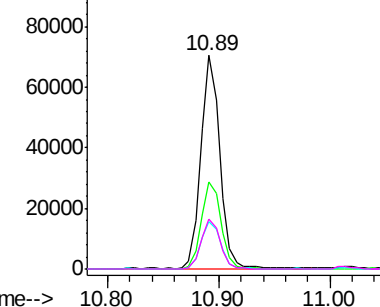
61 23.8 16.4 24.6

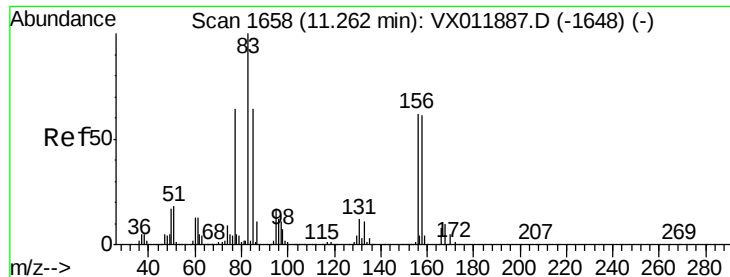
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.154 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 83 Resp: 61578

Ion Ratio Lower Upper

83 100

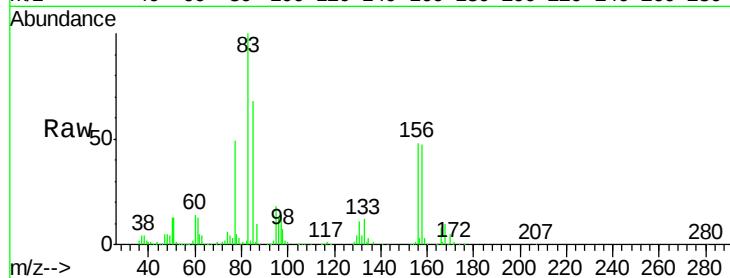
131 12.1 6.0 18.0

85 66.0 31.9 95.9

Manual Integrations
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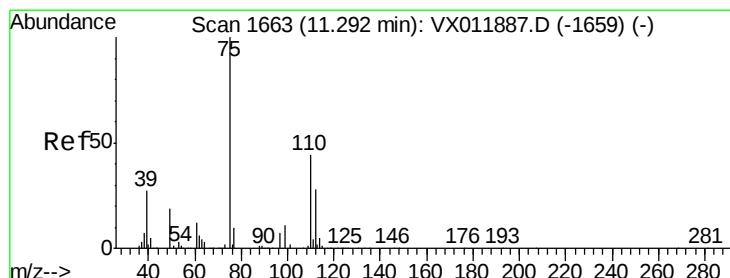
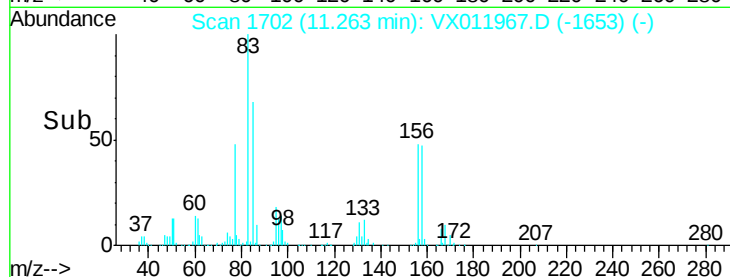
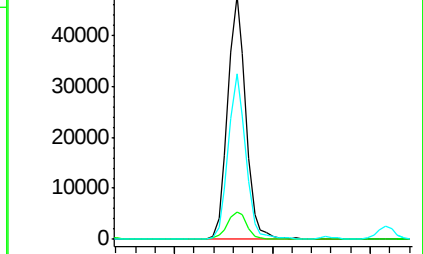
9/3/2019 12:52:49 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 17.816 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX011967.D

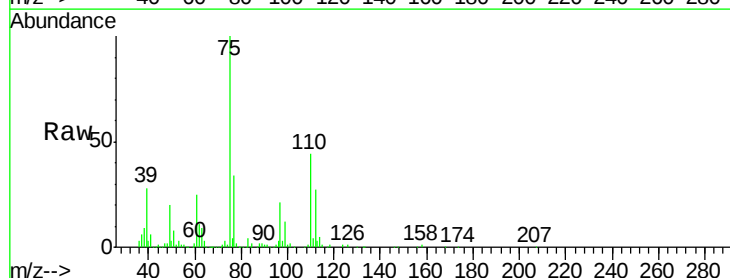
Acq: 31 Aug 2019 23:48

Tgt Ion: 75 Resp: 45536

Ion Ratio Lower Upper

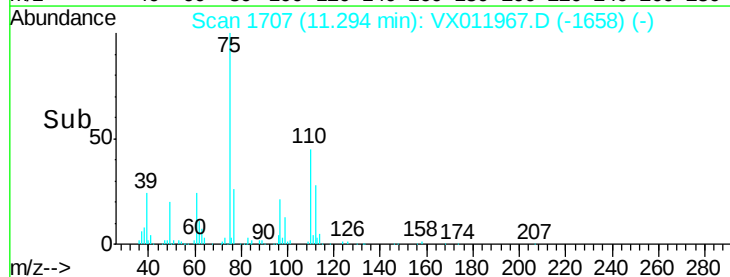
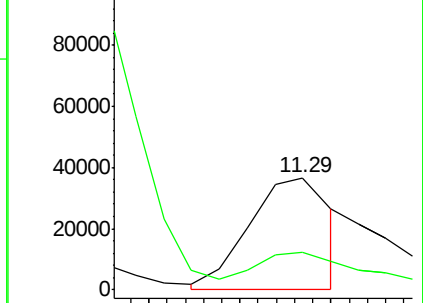
75 100

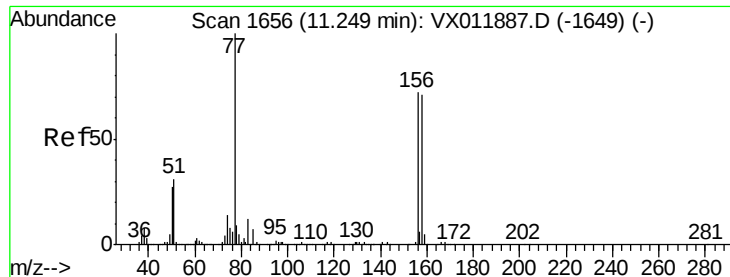
77 44.9 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.686 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

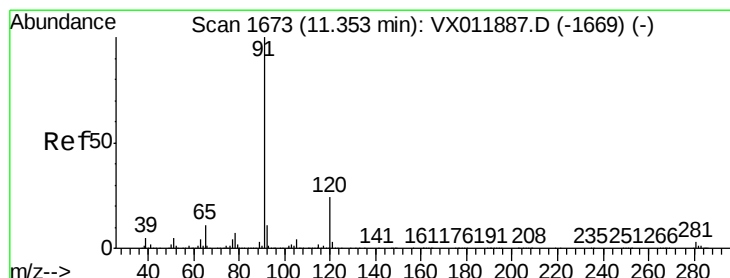
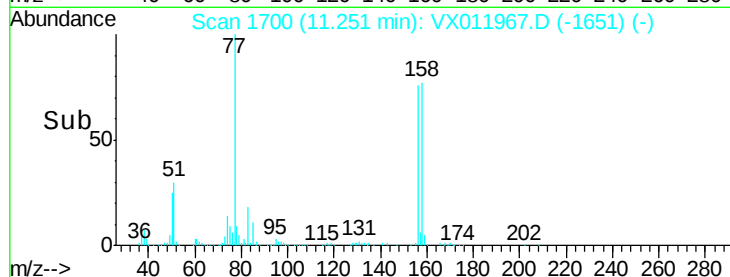
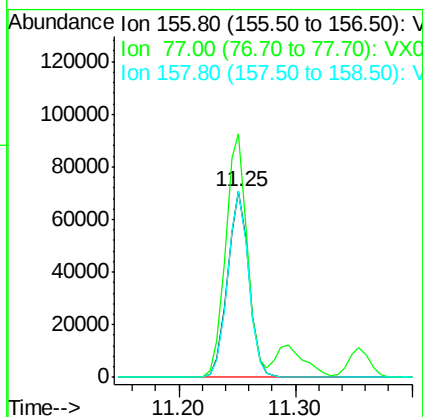
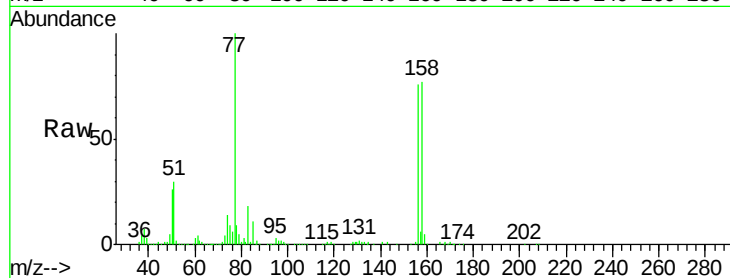
ClientSampleId :

VX0831SBSD02

Tot Ion:	156	Resp:	89567
Ion Ratio	Lower	Upper	
156	100		
77	132.6	68.1	204.3
158	98.9	48.9	146.8

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#78

n-propylbenzene

Concen: 19.358 ug/l

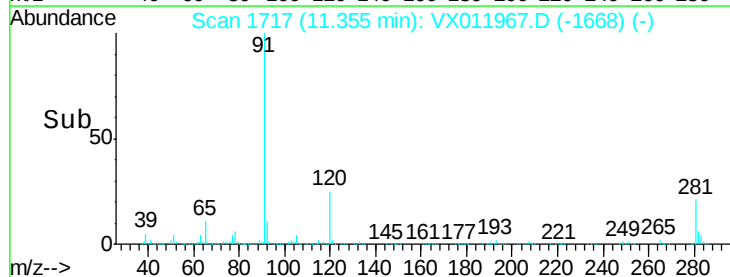
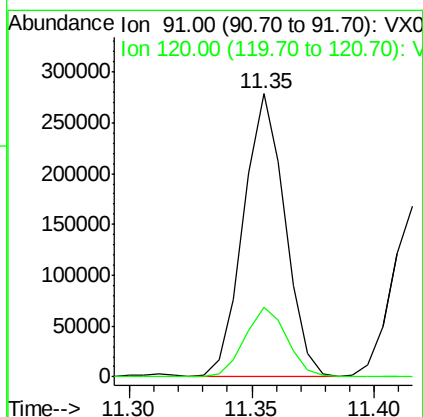
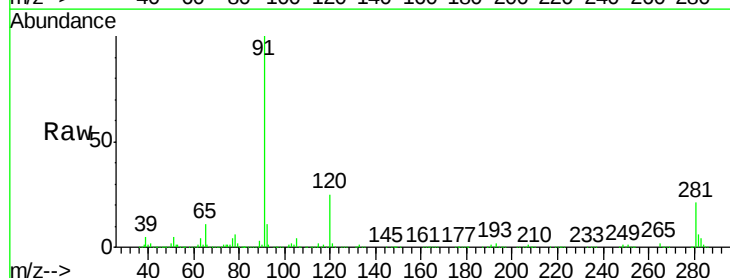
RT: 11.35 min Scan# 1717

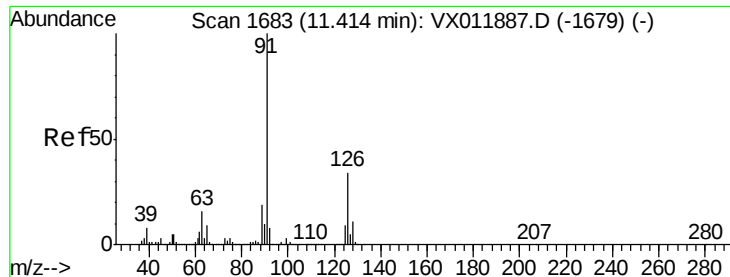
Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Tgt Ion:	91	Resp:	327714
Ion Ratio	Lower	Upper	
91	100		
120	25.1	12.3	36.9





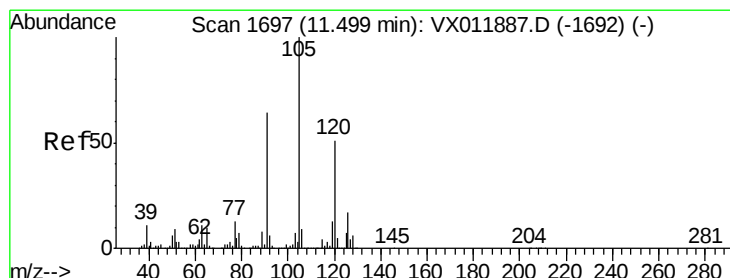
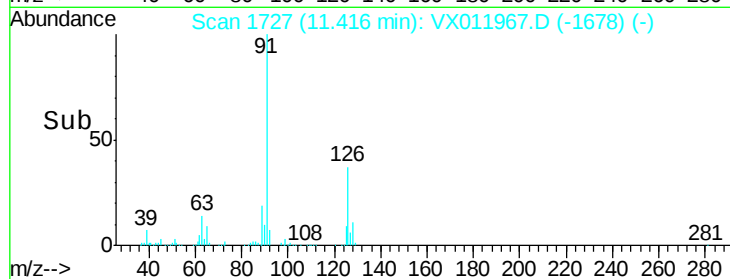
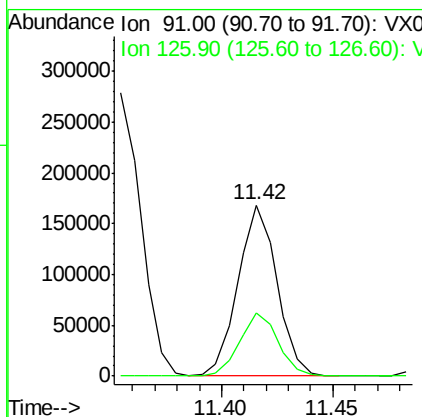
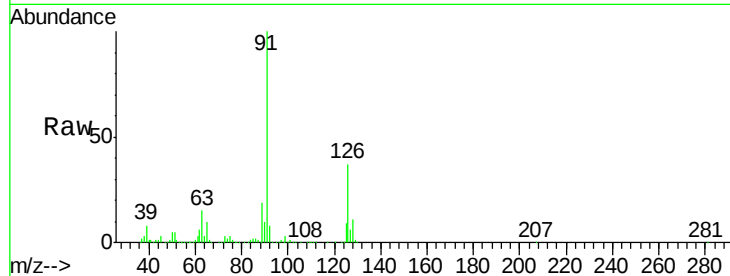
#79
 2-Chlorotoluene
 Concen: 20.138 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	36.6	17.9	53.8	

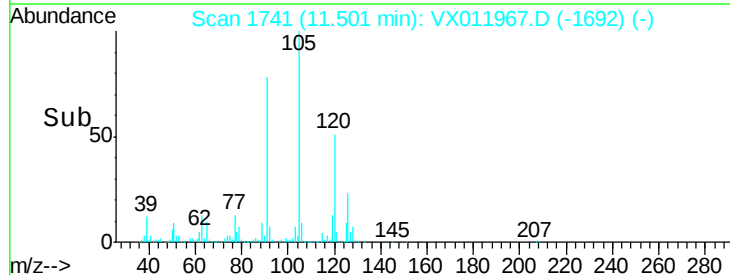
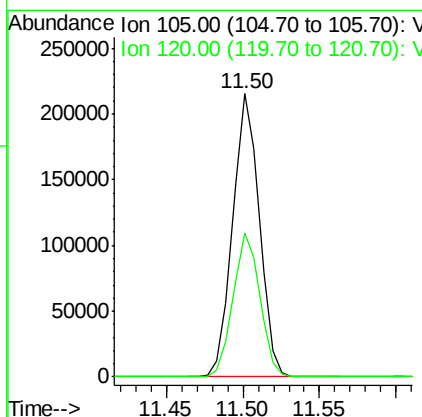
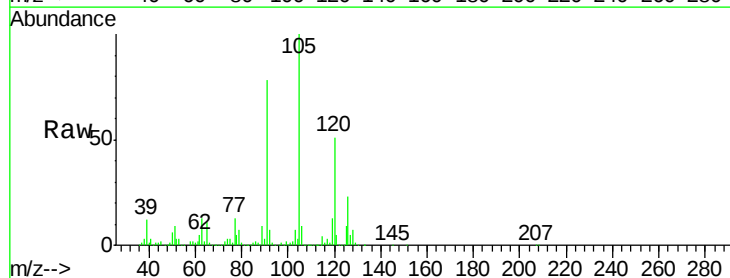
Manual Integrations
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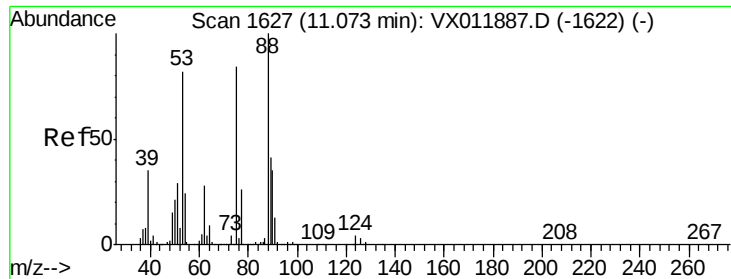
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.150 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	51.2	25.3	75.9	





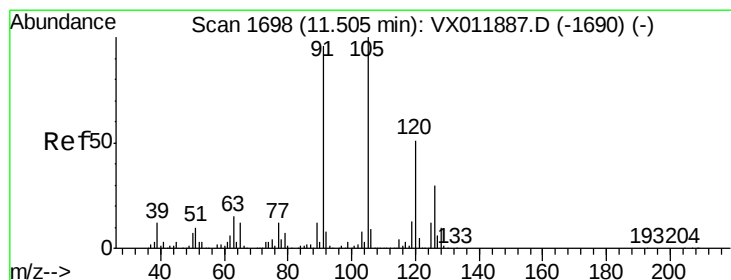
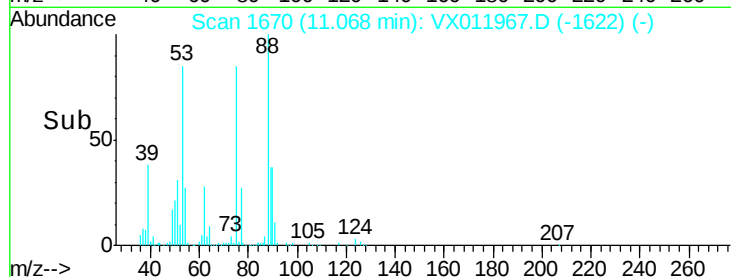
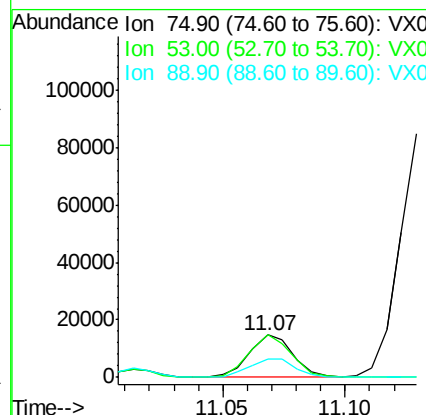
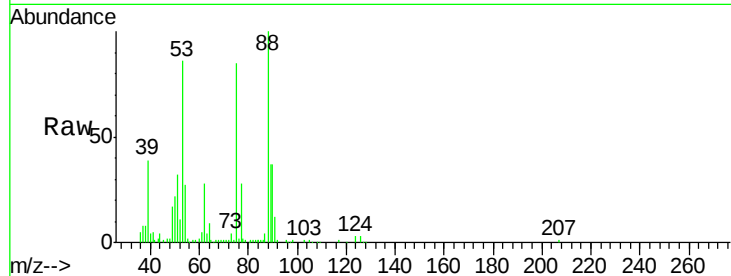
#81
trans-1,4-Dichloro-2-butene
Concen: 17.849 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.0	77.1	115.7
89	47.3	38.2	57.2

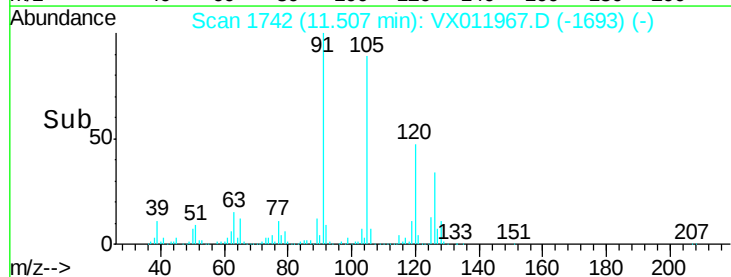
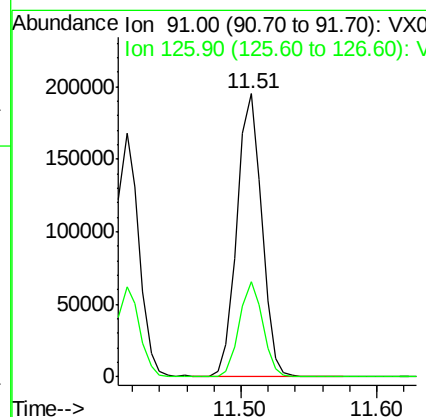
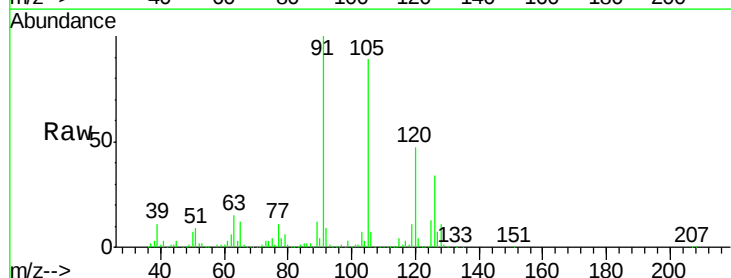
Manual Integrations
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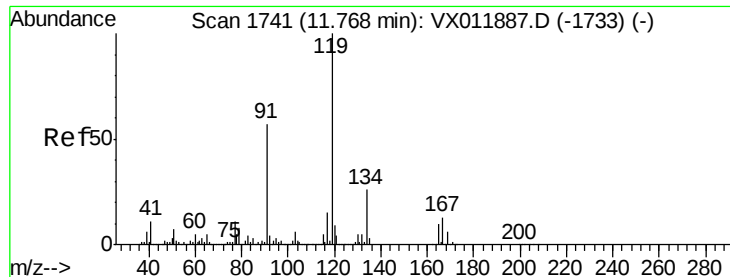
sam
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#82
4-Chlorotoluene
Concen: 20.142 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.9	47.6





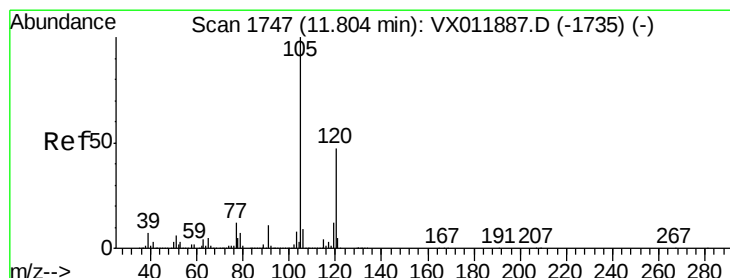
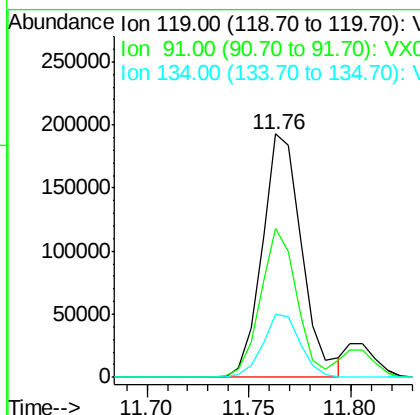
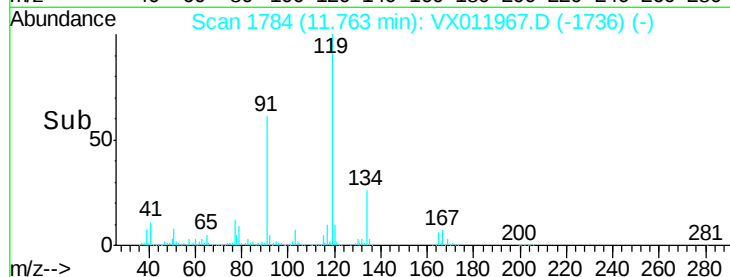
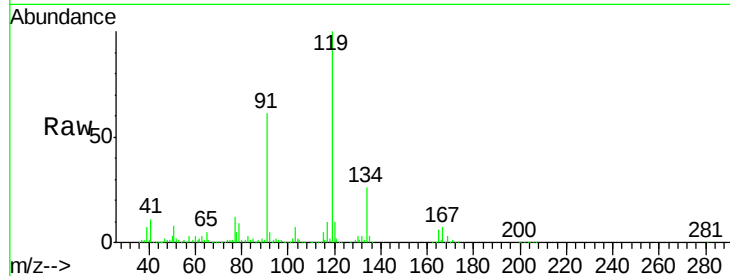
#83
 tert-Butylbenzene
 Concen: 19.972 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0831SBSD02

Tot Ion:	119	Resp:	261144
Ion Ratio	Lower	Upper	
119	100		
91	55.9	27.9	83.6
134	24.6	12.3	36.8

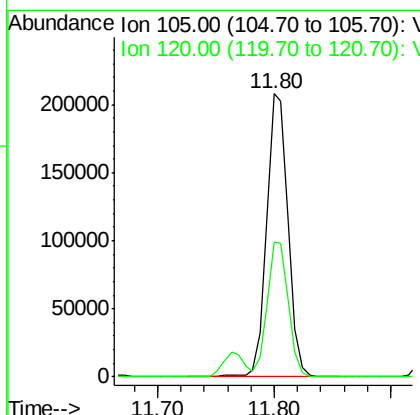
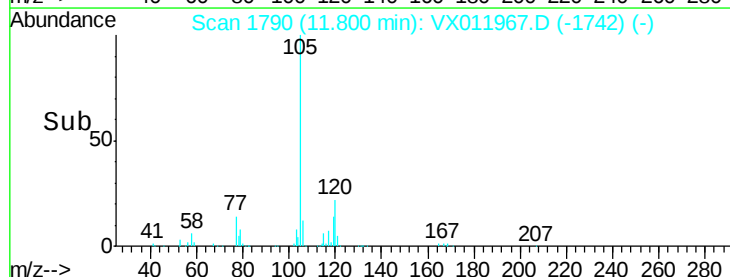
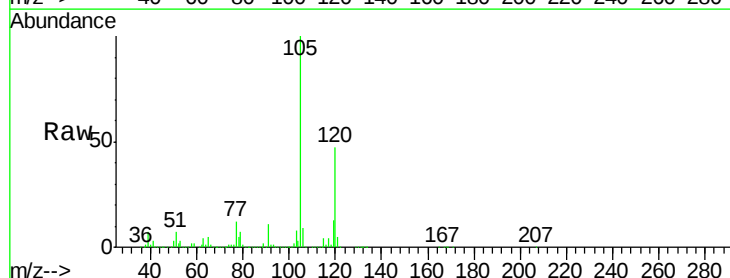
Manual Integrations
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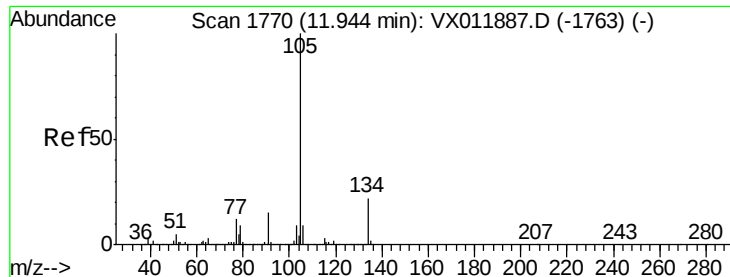
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.016 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Tgt Ion:	105	Resp:	264335
Ion Ratio	Lower	Upper	
105	100		
120	47.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.470 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion:105 Resp: 295695

Ion Ratio Lower Upper

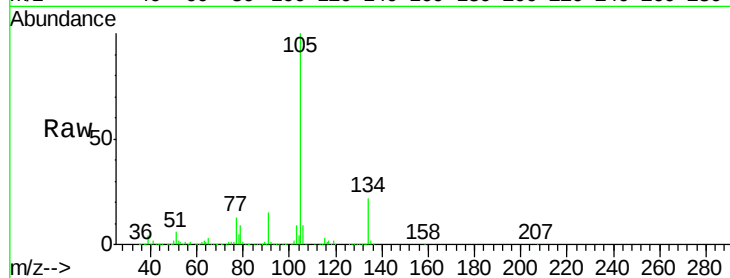
105 100

134 22.3 10.9 32.7

Manual Integrations
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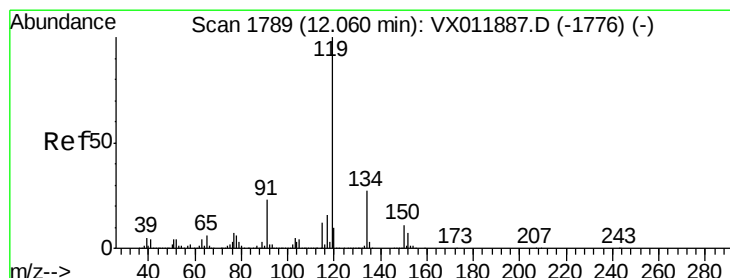
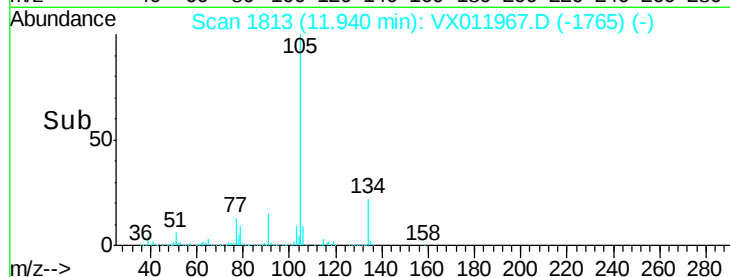
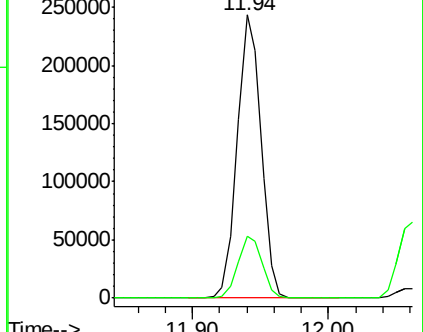
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.612 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

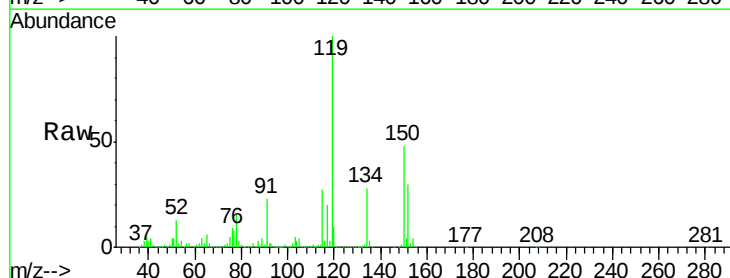
Tgt Ion:119 Resp: 288825

Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.0

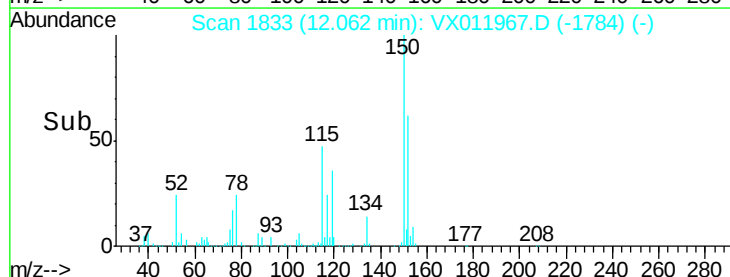
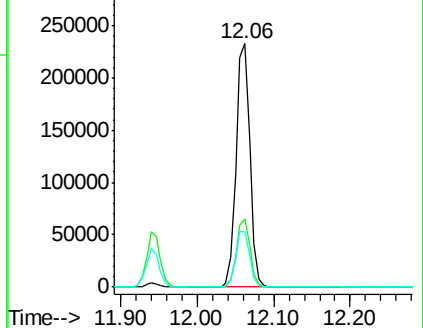
91 23.1 11.6 34.7

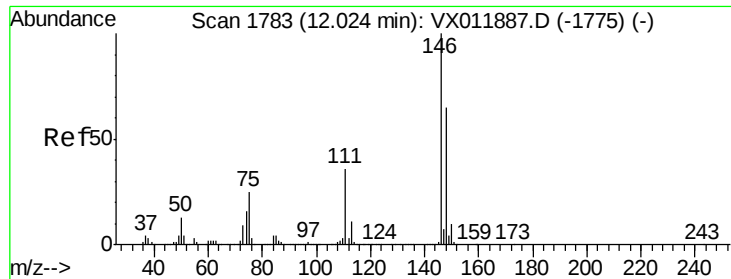


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





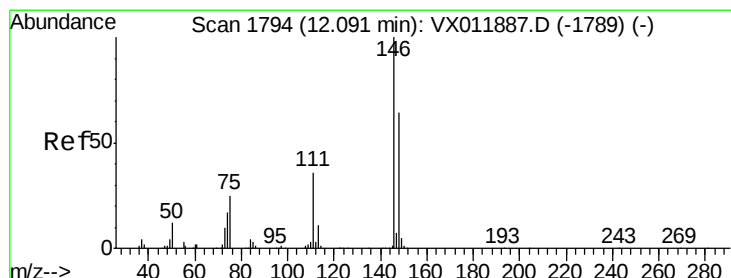
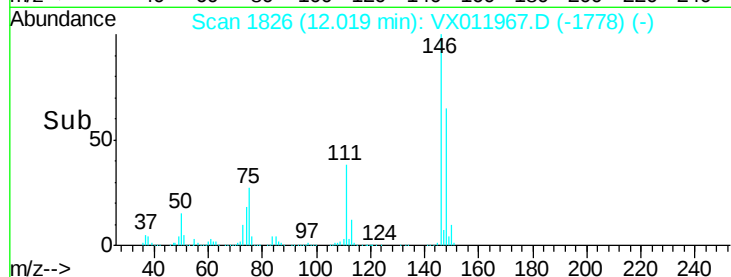
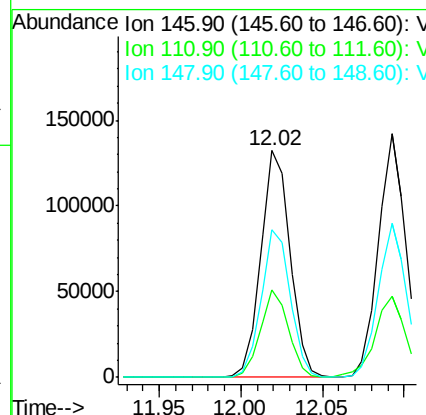
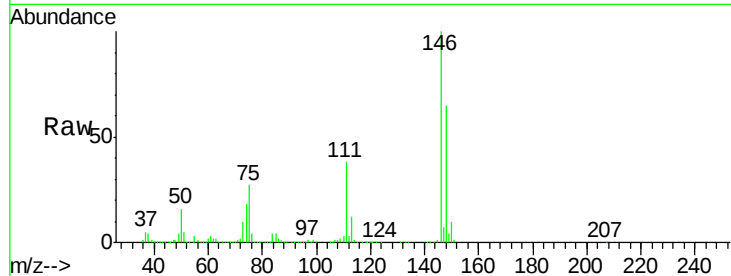
#87
 1,3-Dichlorobenzene
 Concen: 20.604 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	165801		
111	37.1	18.4	55.2	
148	64.7	32.1	96.5	

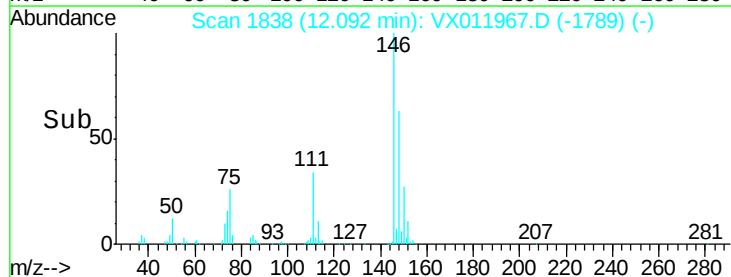
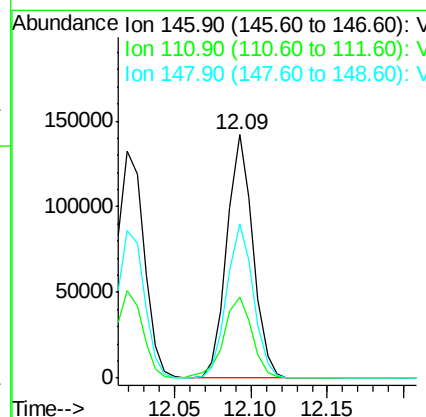
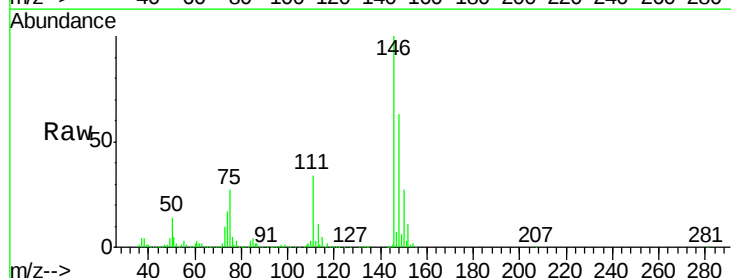
Manual Integrations
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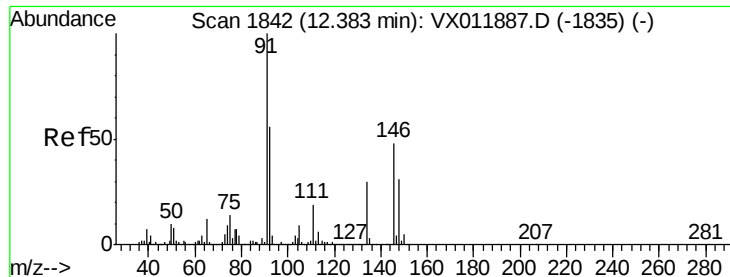
sam
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#88
 1,4-Dichlorobenzene
 Concen: 20.561 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	167262		
111	36.4	17.9	53.7	
148	65.1	32.4	97.0	





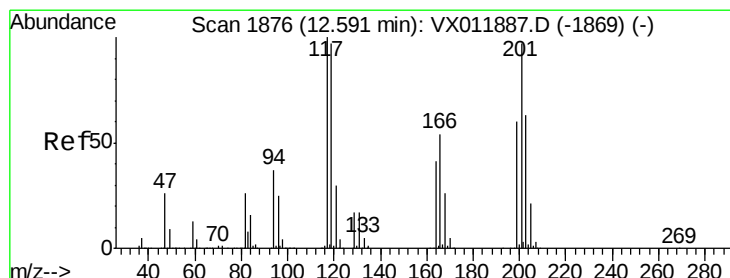
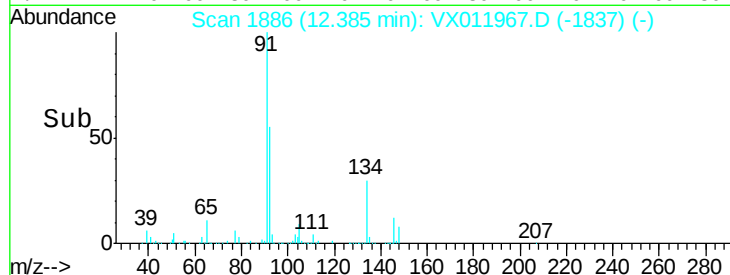
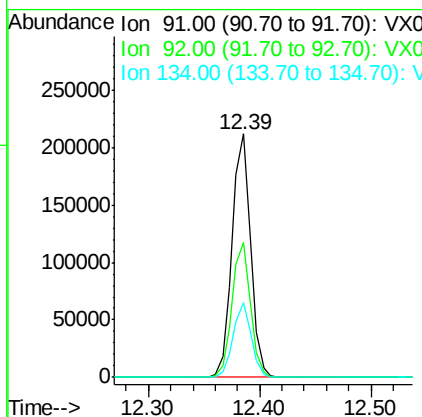
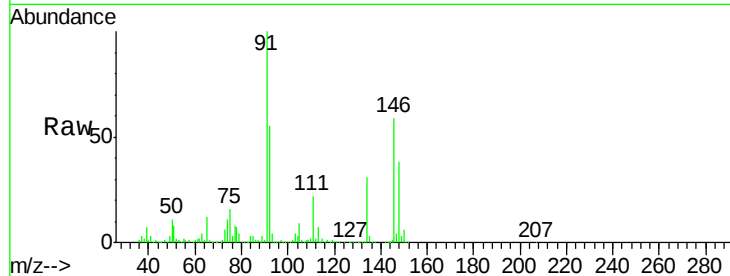
#89
n-Butylbenzene
Concen: 18.669 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.8
134	29.9	14.8	44.3

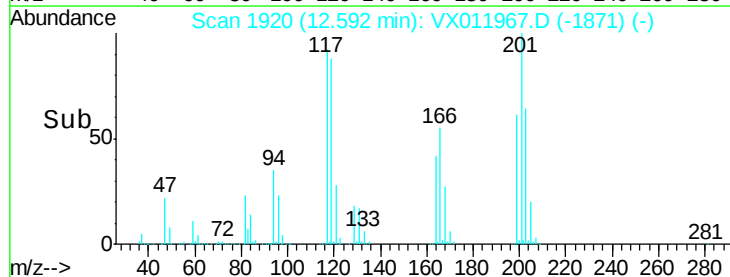
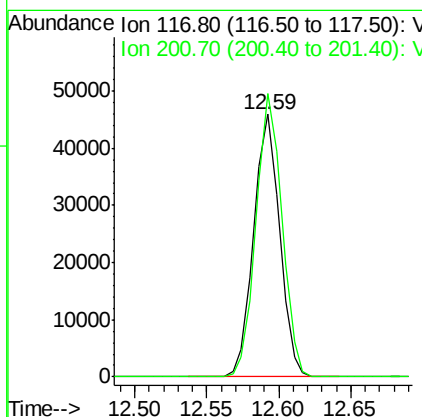
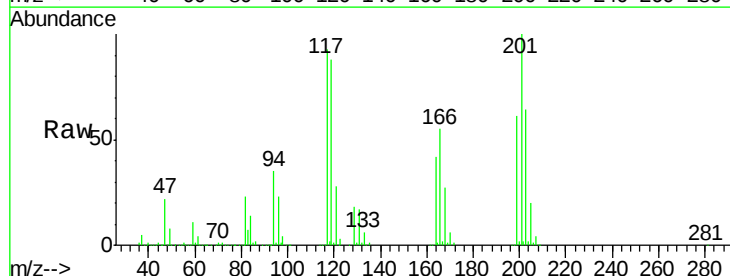
Manual Integrations
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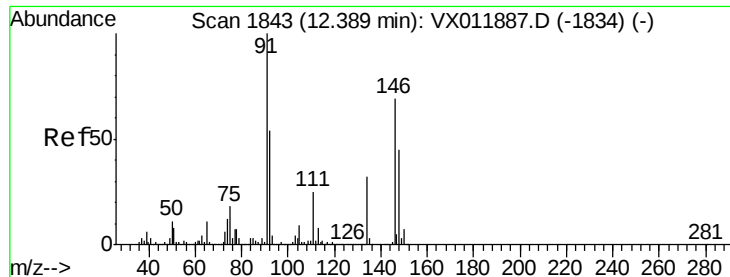
sam
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#90
Hexachloroethane
Concen: 19.965 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011967.D
Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	107.7	52.8	158.5





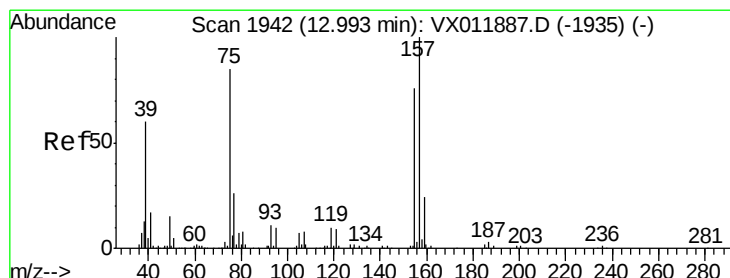
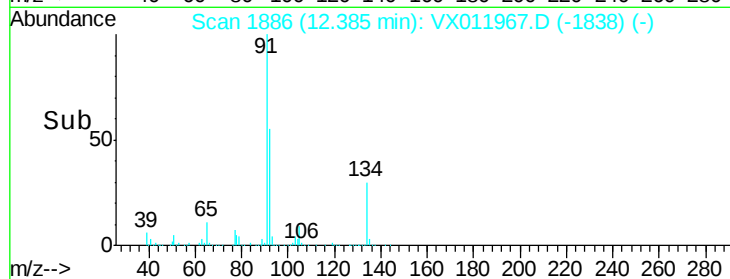
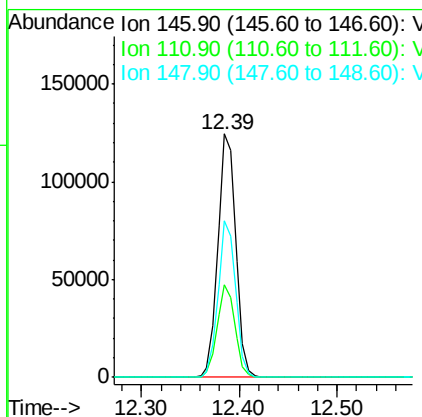
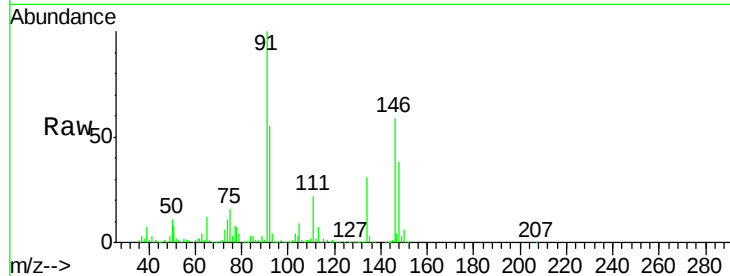
#91
 1,2-Dichlorobenzene
 Concen: 21.177 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	158435		
111	37.5	18.9	56.5	
148	62.9	32.1	96.3	

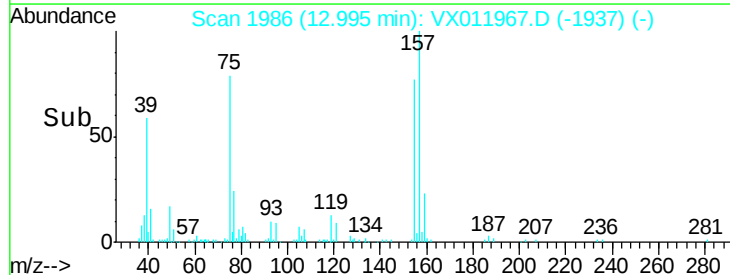
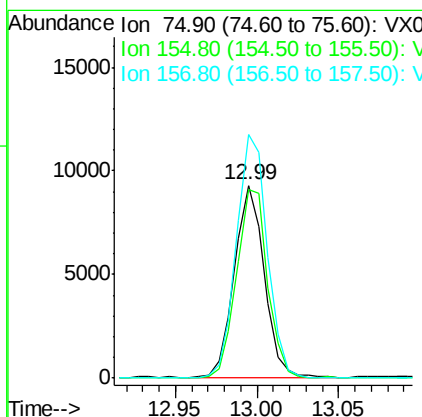
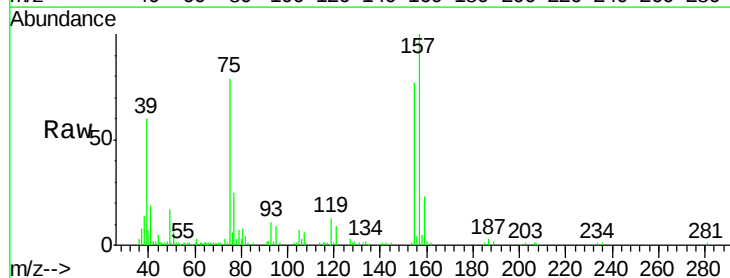
Manual Integrations
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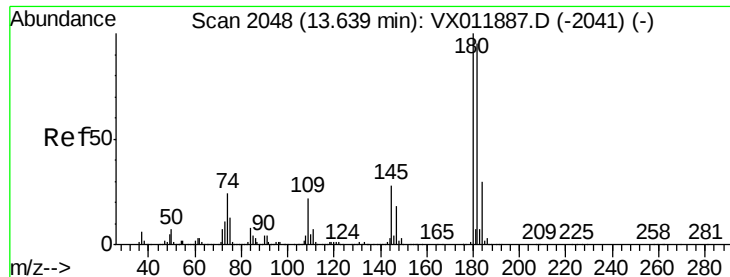
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.710 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11996		
155	100.3	50.1	150.4	
157	128.8	63.9	191.7	





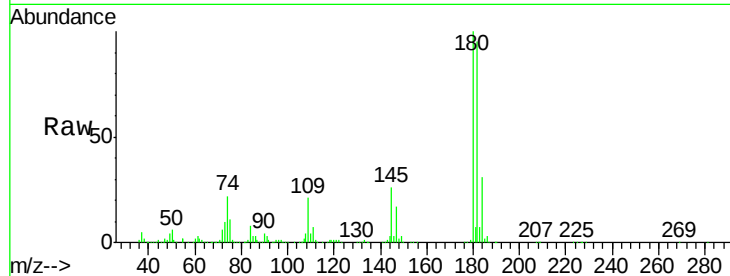
#93
 1,2,4-Trichlorobenzene
 Concen: 20.336 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

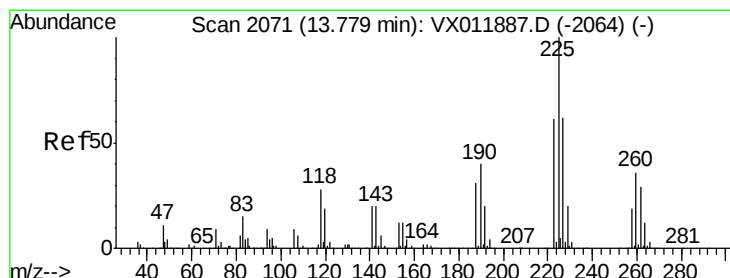
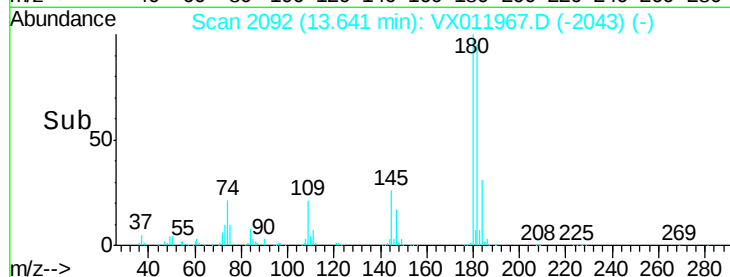
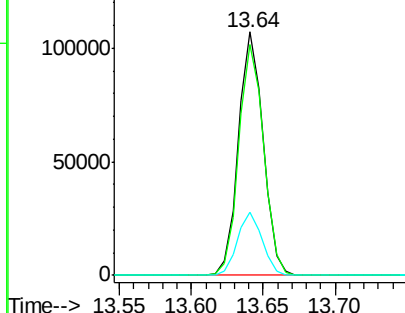
Tot Ion	Ratio	Resp	Lower	Upper
180	100	128107		
182	95.5	48.1	144.4	
145	26.2	13.8	41.3	

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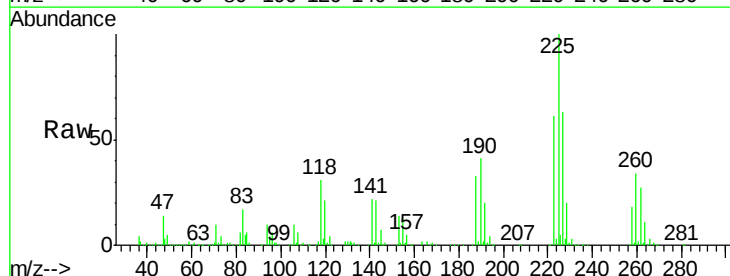


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

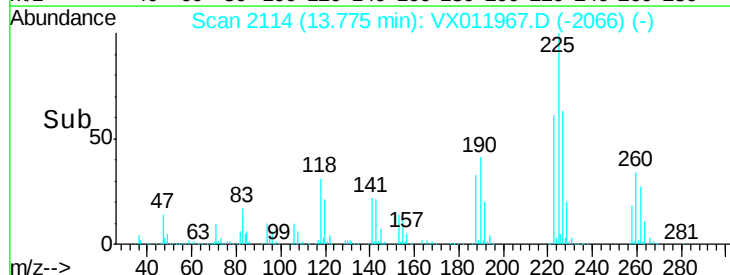
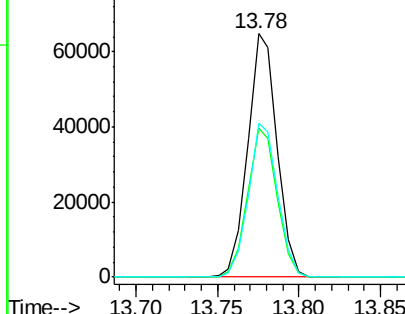


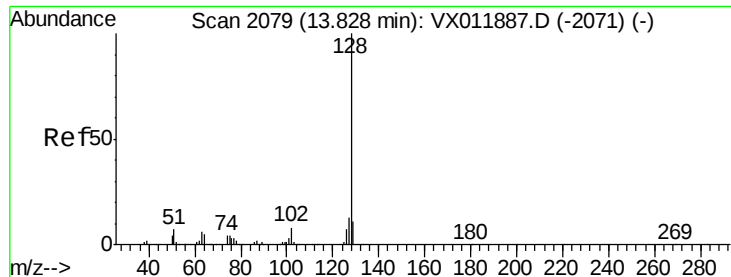
#94
 Hexachlorobutadiene
 Concen: 19.281 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX011967.D
 Acq: 31 Aug 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81118		
223	61.6	30.8	92.3	
227	63.2	31.9	95.7	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.729 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Instrument :

MSVOA_X

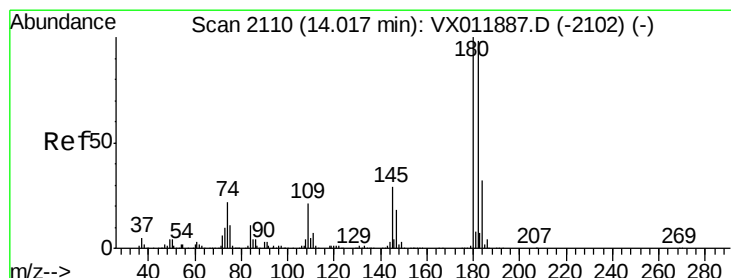
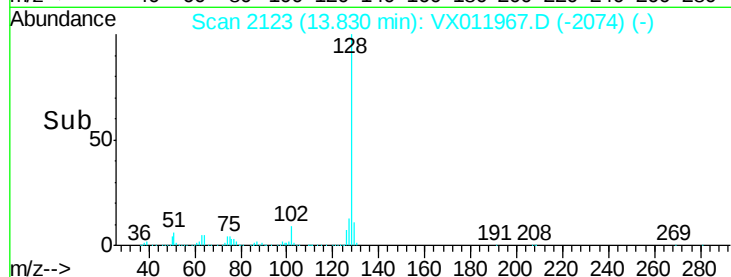
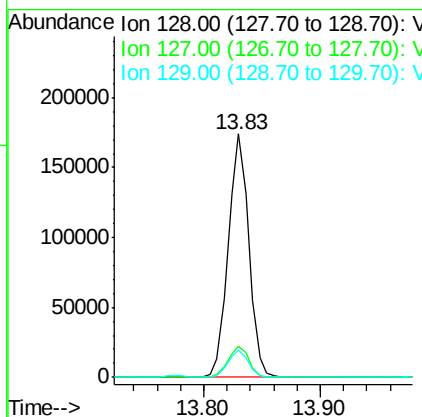
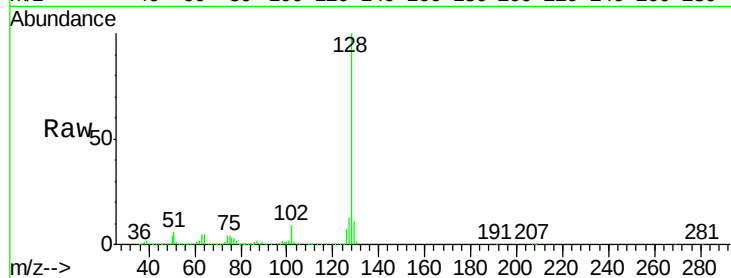
ClientSampleId :

VX0831SBS02

Tot Ion:	128	Resp:	213304
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 20.408 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX011967.D

Acq: 31 Aug 2019 23:48

Tgt Ion:	180	Resp:	116256
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.3	144.8
145	29.2	14.6	43.8

