

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011945.D
 Acq On : 31 Aug 2019 12:37
 Operator : SY/SP
 Sample : VX0831SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:19 PM

Quant Time: Sep 01 02:24:24 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	354596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	480630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	448524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	269263	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	166317	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	5.48	113	156277	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	8.71	98	562642	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.13	95	231974	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	47937	22.399	ug/l	98
3) Chloromethane	1.31	50	47628	19.197	ug/l	99
4) Vinyl Chloride	1.39	62	46485	19.622	ug/l	97
5) Bromomethane	1.62	94	32486	19.818	ug/l	99
6) Chloroethane	1.70	64	28884	19.590	ug/l	96
7) Trichlorofluoromethane	1.91	101	85481	20.776	ug/l	99
8) Diethyl Ether	2.17	74	26706	18.887	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	54691	20.395	ug/l	99
10) Methyl Iodide	2.50	142	40871	16.610	ug/l	98
11) Tert butyl alcohol	3.03	59	32473	99.351	ug/l	99
12) 1,1-Dichloroethene	2.36	96	49247	19.774	ug/l	99
13) Acrolein	2.28	56	15470	95.094	ug/l	97
14) Allyl chloride	2.71	41	89003	19.051	ug/l	99
15) Acrylonitrile	3.12	53	74554	95.991	ug/l	99
16) Acetone	2.43	43	69501	95.080	ug/l	98
17) Carbon Disulfide	2.55	76	126789	17.749	ug/l	98
18) Methyl Acetate	2.76	43	41126	20.325	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	159520	19.771	ug/l	99
20) Methylene Chloride	2.84	84	62518	16.782	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	55971	19.079	ug/l	99
22) Diisopropyl ether	3.84	45	187929	19.704	ug/l	96
23) Vinyl Acetate	3.80	43	582962	95.071	ug/l	100
24) 1,1-Dichloroethane	3.68	63	103348	19.650	ug/l	100
25) 2-Butanone	4.65	43	102164	95.961	ug/l	95
26) 2,2-Dichloropropane	4.56	77	90553	20.528	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	68699	19.880	ug/l	99
28) Bromochloromethane	4.99	49	46355	19.642	ug/l	98
29) Tetrahydrofuran	5.11	42	63443	95.474	ug/l	98
30) Chloroform	5.19	83	111807	19.882	ug/l	99
31) Cyclohexane	5.56	56	84154	19.838	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	103522	20.724	ug/l	99
36) 1,1-Dichloropropene	5.78	75	75777	19.901	ug/l	99
37) Ethyl Acetate	4.82	43	43718	19.396	ug/l	98
38) Carbon Tetrachloride	5.76	117	93883	21.259	ug/l	97

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Manual Integrations
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Quant Time: Sep 01 02:24:24 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)
39) Methylcyclohexane	7.45	83	94243	20.779	ug/l	96
40) Benzene	6.12	78	227975	20.058	ug/l	99
41) Methacrylonitrile	5.03	41	26231	19.765	ug/l	98
42) 1,2-Dichloroethane	6.18	62	79015	20.443	ug/l	99
43) Isopropyl Acetate	6.43	43	87883	19.231	ug/l	99
44) Trichloroethene	7.20	130	71603	20.361	ug/l	97
45) 1,2-Dichloropropane	7.50	63	59915	20.153	ug/l	95
46) Dibromomethane	7.65	93	35111	19.899	ug/l	98
47) Bromodichloromethane	7.89	83	88311	20.184	ug/l	99
48) Methyl methacrylate	7.76	41	43943	19.763	ug/l	99
49) 1,4-Dioxane	7.73	88	12621	412.778	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	229251	98.752	ug/l	100
52) Toluene	8.78	92	152859	20.329	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	89296	19.924	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	100168	19.910	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	52434	20.299	ug/l	100
56) Ethyl methacrylate	9.17	69	70460	19.654	ug/l	98
57) 1,3-Dichloropropane	9.37	76	86735	20.230	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	170159	99.653	ug/l	99
59) 2-Hexanone	9.48	43	164312	99.641	ug/l	100
60) Dibromochloromethane	9.57	129	70590	20.347	ug/l	100
61) 1,2-Dibromoethane	9.67	107	52217	20.389	ug/l	98
64) Tetrachloroethene	9.33	164	74451	20.636	ug/l	98
65) Chlorobenzene	10.14	112	179647	20.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	72833	20.722	ug/l	99
67) Ethyl Benzene	10.25	91	305178	20.641	ug/l	99
68) m/p-Xylenes	10.36	106	236738	41.468	ug/l	99
69) o-Xylene	10.70	106	114740	20.625	ug/l	99
70) Styrene	10.71	104	202425	20.644	ug/l	99
71) Bromoform	10.85	173	50156	20.181	ug/l #	99
73) Isopropylbenzene	11.01	105	315458	20.390	ug/l	100
74) N-amyl acetate	10.89	43	87026	18.954	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	63377	20.016	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	55070m	20.791	ug/l	
77) Bromobenzene	11.25	156	90948	20.269	ug/l	98
78) n-propylbenzene	11.35	91	360516	20.549	ug/l	100
79) 2-Chlorotoluene	11.42	91	213696	20.236	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	270585	20.262	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20176	19.136	ug/l	100
82) 4-Chlorotoluene	11.51	91	257544	20.216	ug/l	99
83) tert-Butylbenzene	11.76	119	282640	20.859	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	276836	20.228	ug/l	99
85) sec-Butylbenzene	11.94	105	323838	20.576	ug/l	100
86) p-Isopropyltoluene	12.06	119	312504	20.477	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	170228	20.413	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	171501	20.343	ug/l	99
89) n-Butylbenzene	12.39	91	274552	20.334	ug/l	99
90) Hexachloroethane	12.59	117	59476	20.144	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	158109	20.393	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	12557	19.909	ug/l	99

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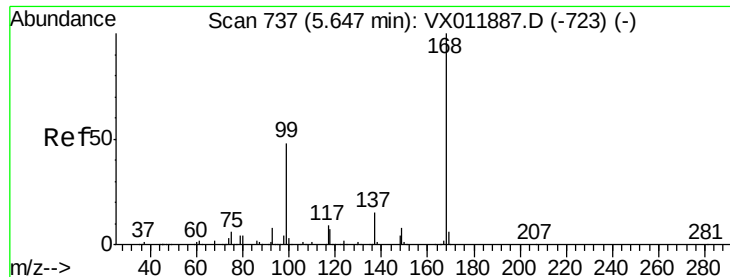
Manual Integrations
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Quant Time: Sep 01 02:24:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	129203	19.791	µg/l	99
94) Hexachlorobutadiene	13.78	225	89367	20.498	µg/l	99
95) Naphthalene	13.83	128	219507	19.592	µg/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	120971	20.491	µg/l	98

(#) = 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: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

VX0831SBS01

Tot Ion:168 Resp: 354596

Ion Ratio Lower Upper

168 100

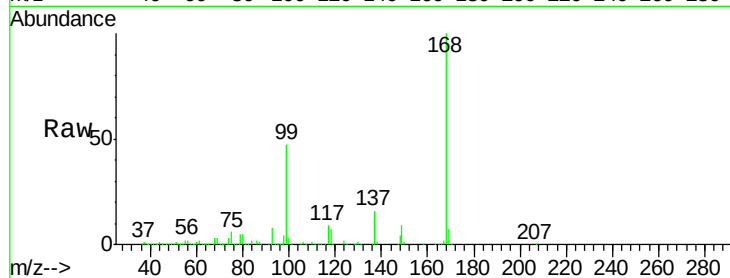
99 46.8 38.4 57.6

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

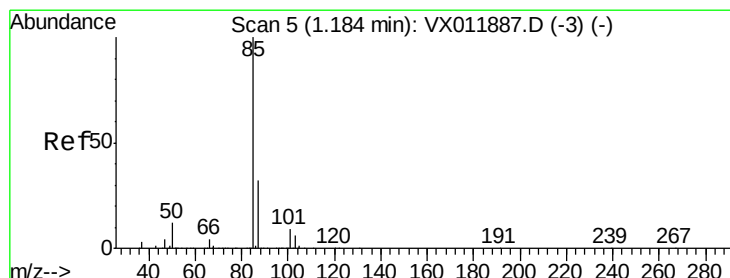
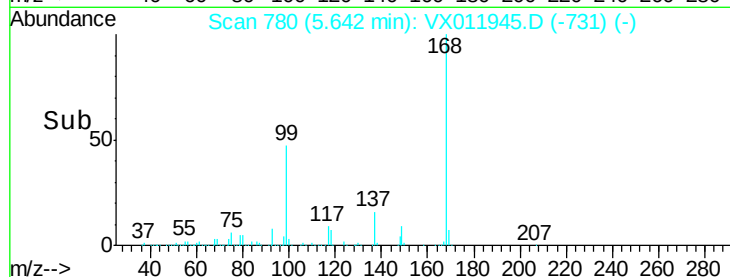
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.399 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011945.D

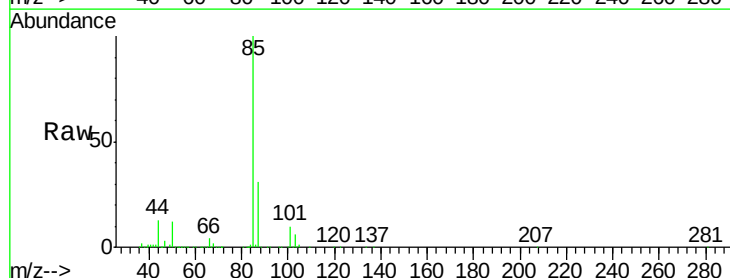
Acq: 31 Aug 2019 12:37

Tgt Ion: 85 Resp: 47937

Ion Ratio Lower Upper

85 100

87 30.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

50000

40000

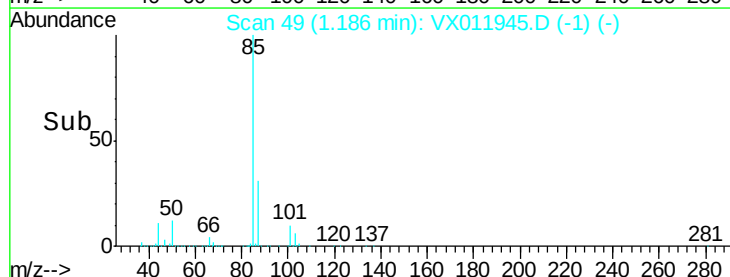
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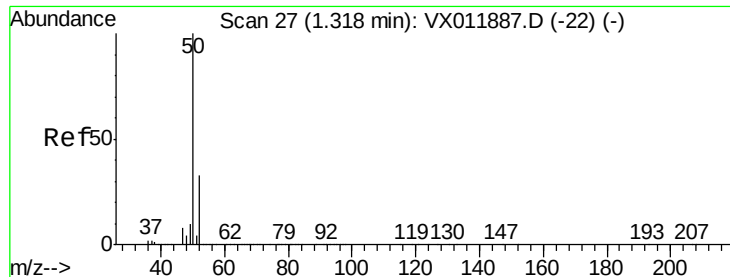
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.197 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion: 50 Resp: 47628

Ion Ratio Lower Upper

50 100

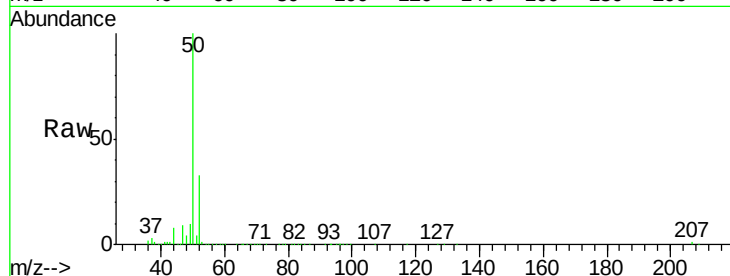
52 32.8 26.0 39.0

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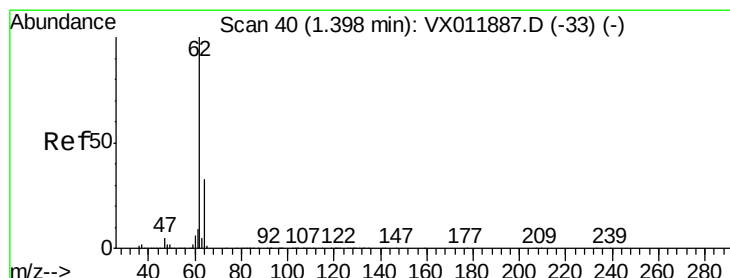
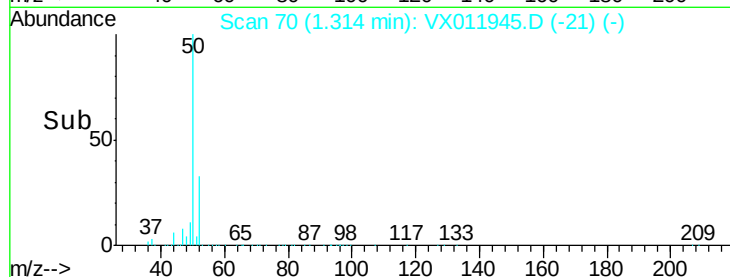
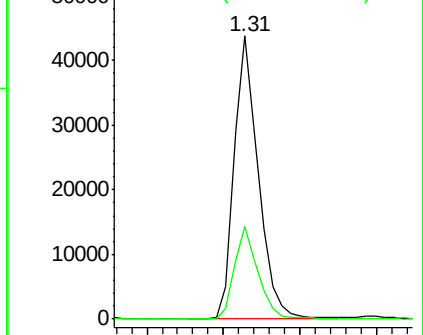
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.622 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011945.D

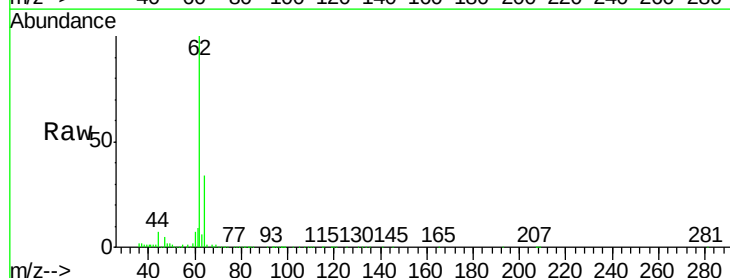
Acq: 31 Aug 2019 12:37

Tgt Ion: 62 Resp: 46485

Ion Ratio Lower Upper

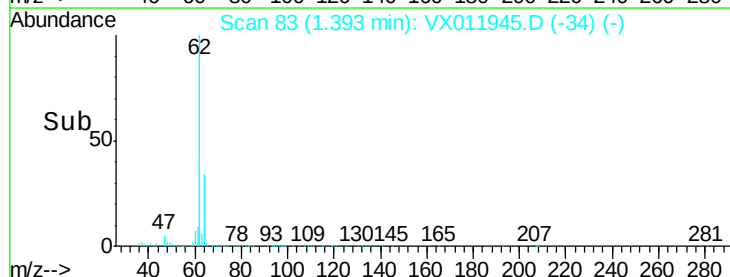
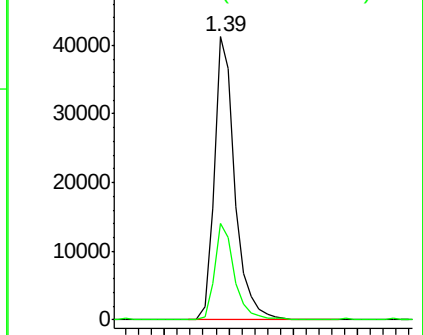
62 100

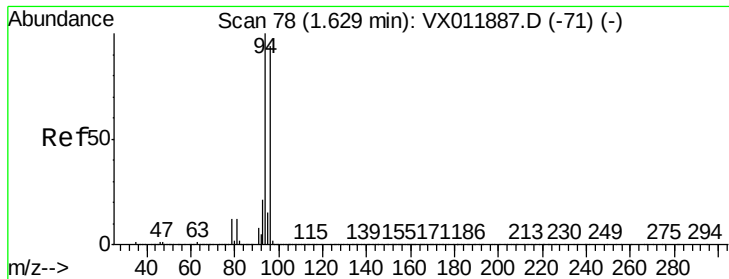
64 33.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.818 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion: 94 Resp: 32486

Ion Ratio Lower Upper

94 100

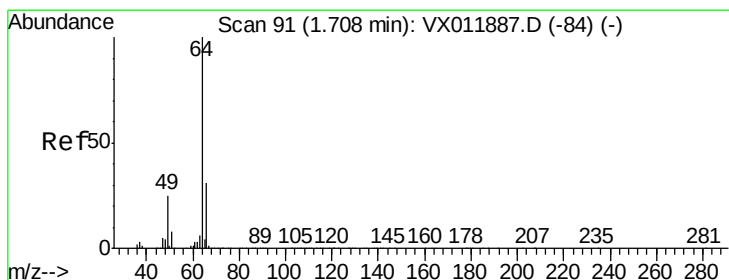
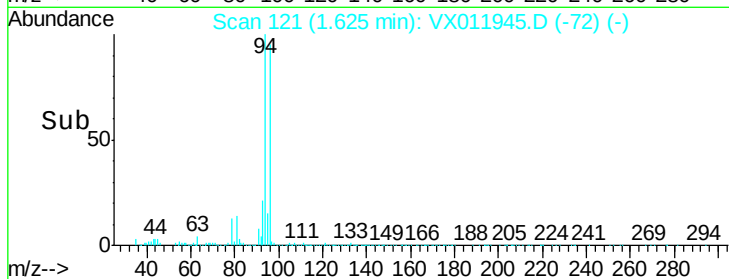
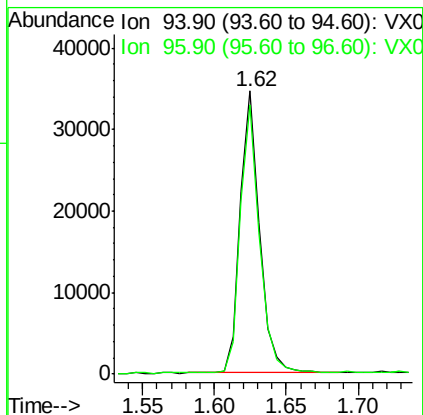
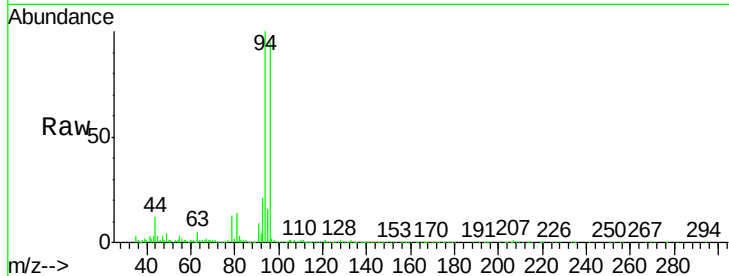
96 95.1 75.0 112.6

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#6

Chloroethane

Concen: 19.590 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX011945.D

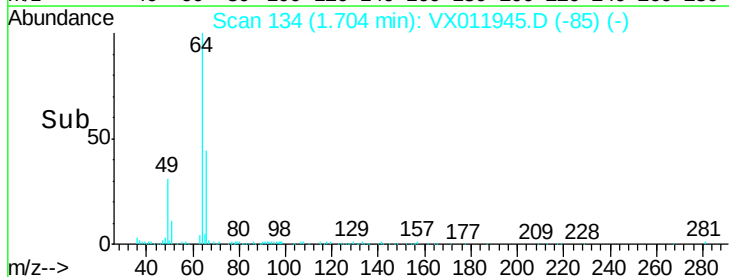
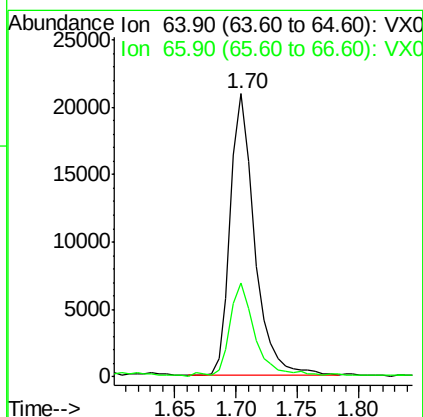
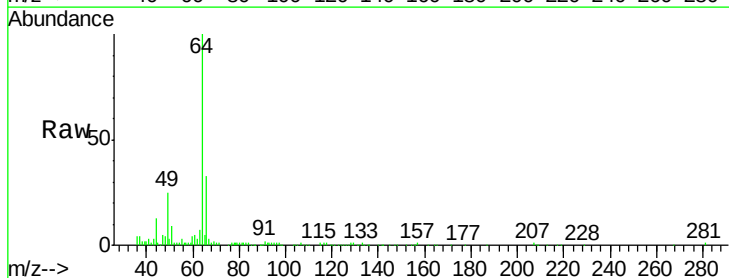
Acq: 31 Aug 2019 12:37

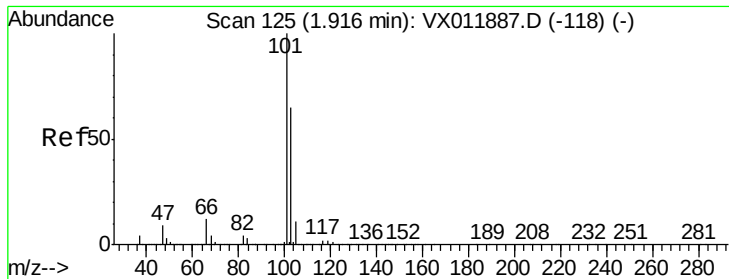
Tgt Ion: 64 Resp: 28884

Ion Ratio Lower Upper

64 100

66 33.2 25.0 37.4





#7

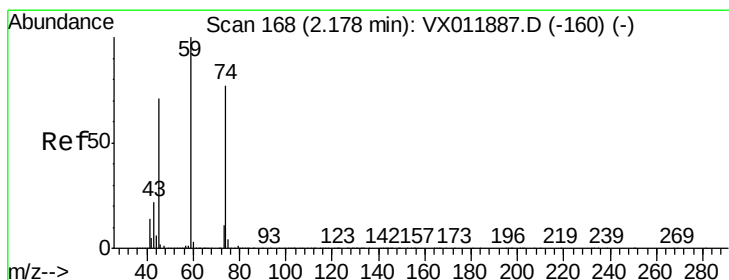
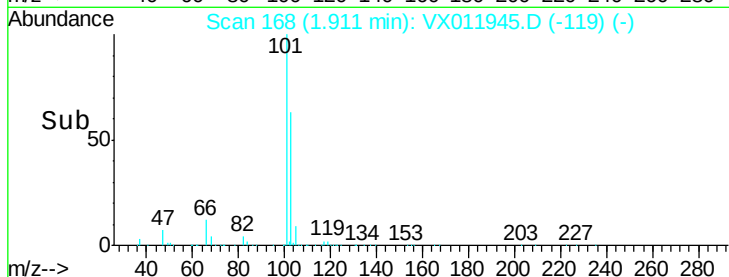
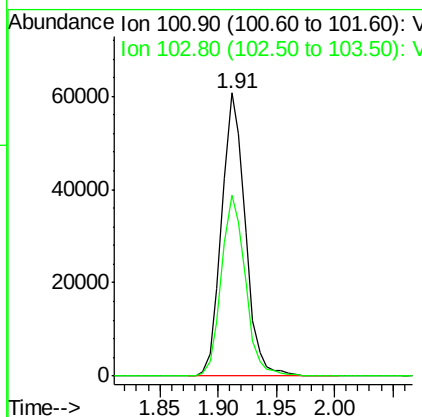
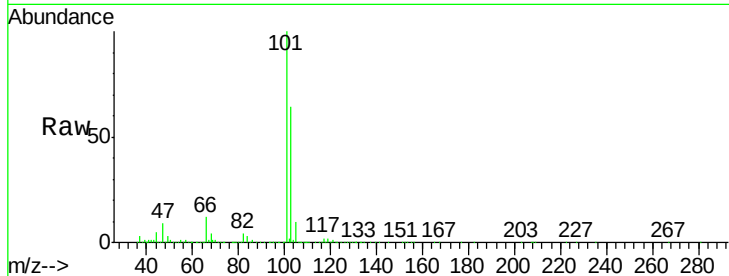
Trichlorofluoromethane
Concen: 20.776 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

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ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	85481		
103	63.6	51.6	77.4	

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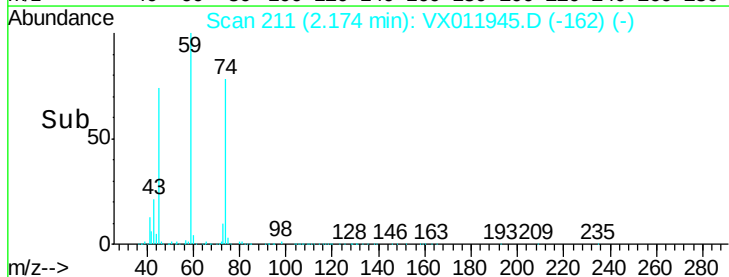
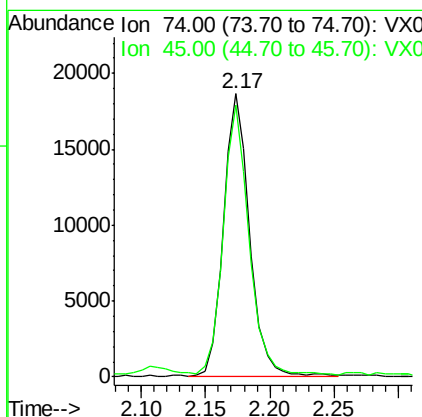
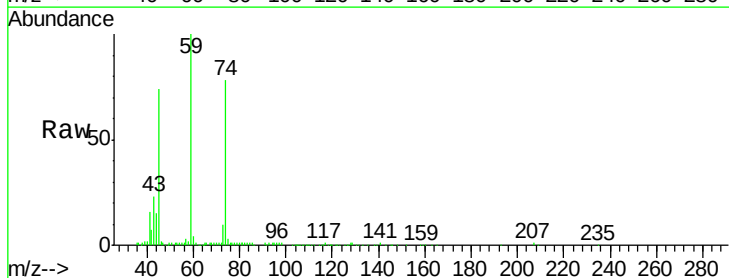
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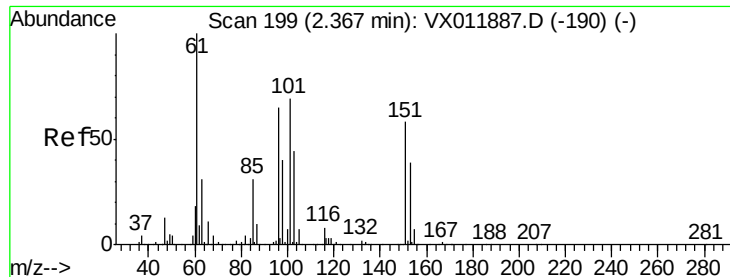


#8

Diethyl Ether
Concen: 18.887 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	26706		
45	93.4	46.7	140.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.395 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

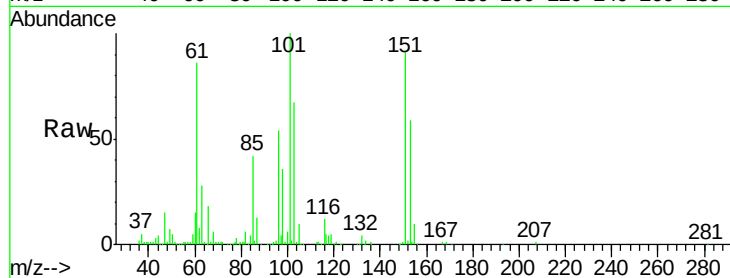
ClientSampleId :

VX0831SBS01

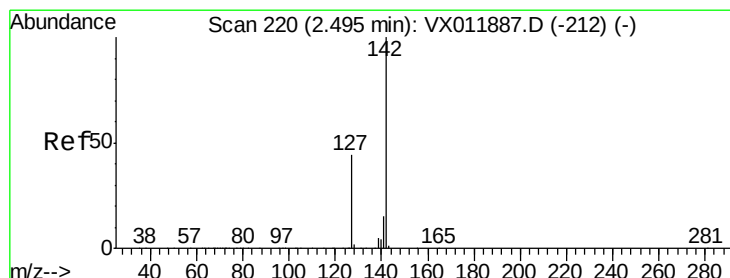
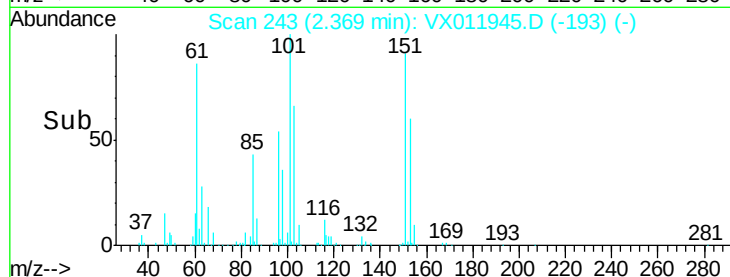
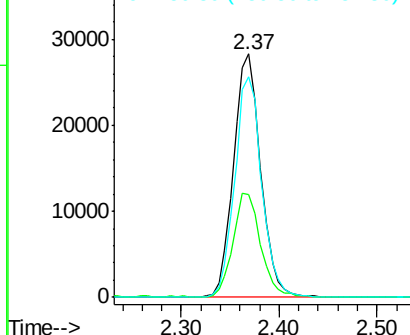
Tot Ion:	101	Resp:	54691
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.9	52.3
151	90.3	70.9	106.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.610 ug/l

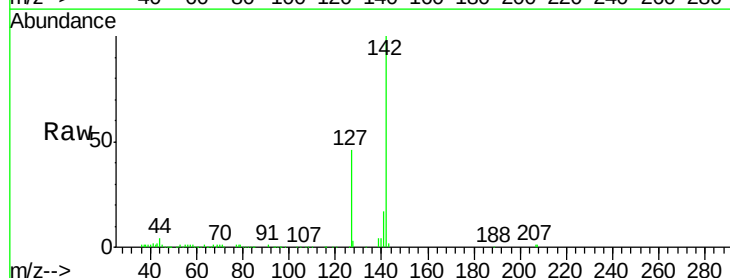
RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

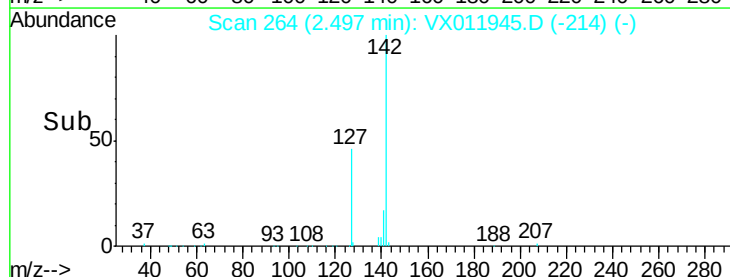
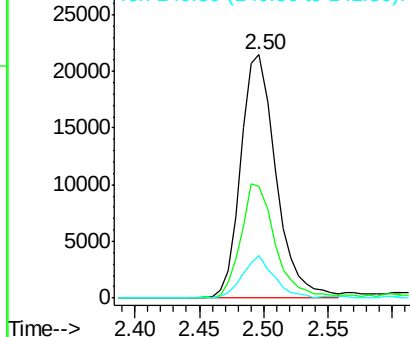
Lab File: VX011945.D

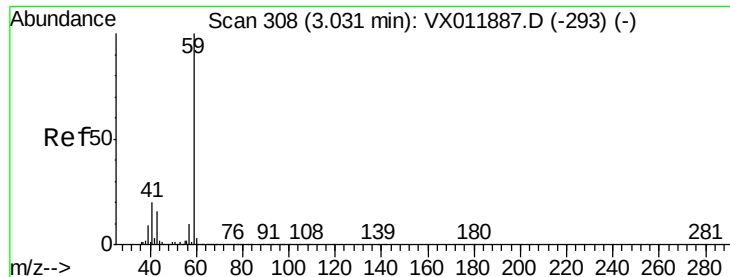
Acq: 31 Aug 2019 12:37

Tgt Ion:	142	Resp:	40871
Ion Ratio	Lower	Upper	
142	100		
127	45.8	35.7	53.5
141	15.3	11.8	17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

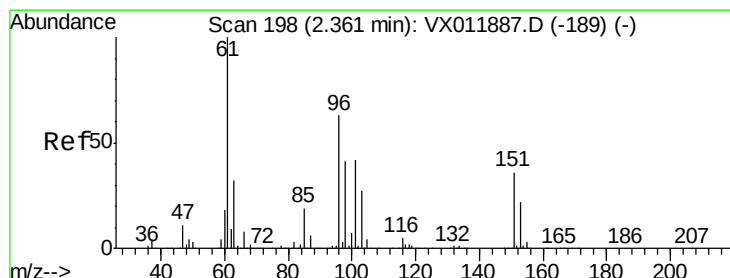
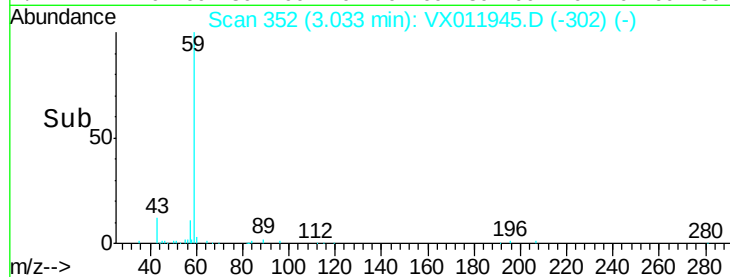
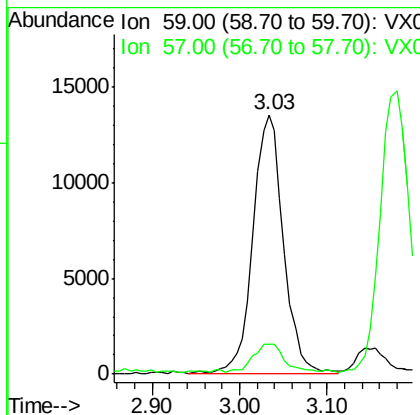
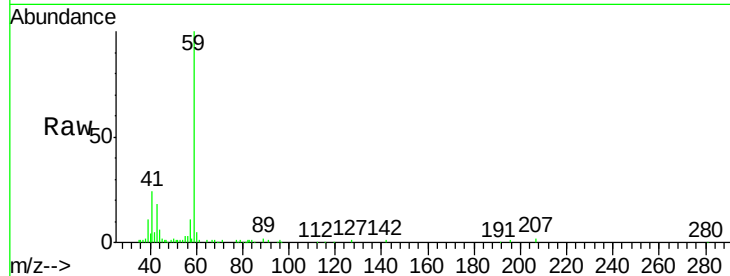
Tert butyl alcohol
Concen: 99.351 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	59	Resp	32473
Ion Ratio	100	Lower	Upper
57	11.1	8.6	12.8

Manual Integrations
APPROVED

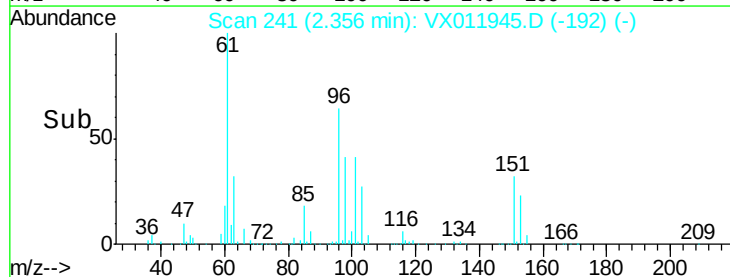
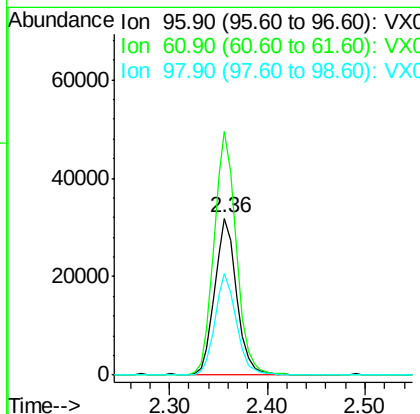
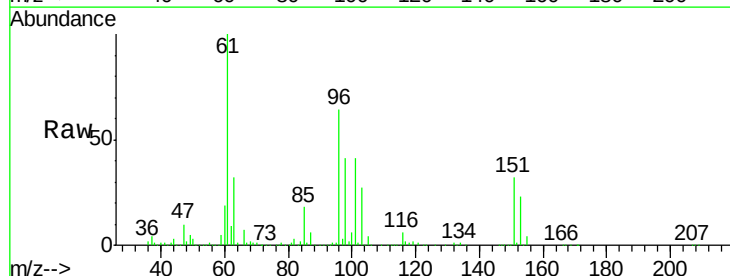
sam
9/3/2019 12:52:19 PM

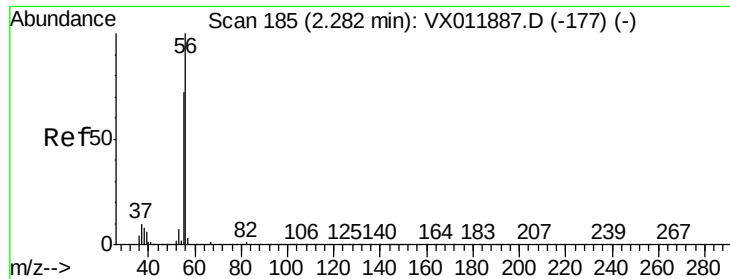


#12

1,1-Dichloroethene
Concen: 19.774 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	96	Resp	49247
Ion Ratio	100	Lower	Upper
61	155.9	126.6	190.0
98	64.4	51.6	77.4





#13

Acrolein

Concen: 95.094 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion: 56 Resp: 15470

Ion Ratio Lower Upper

56 100

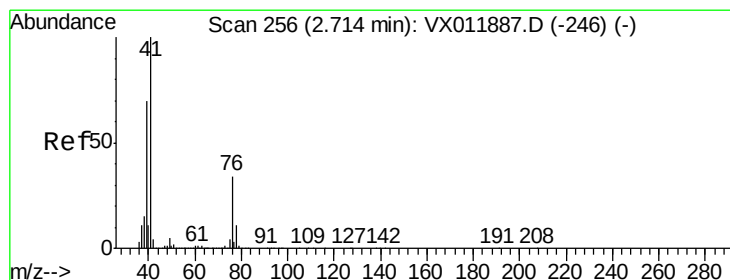
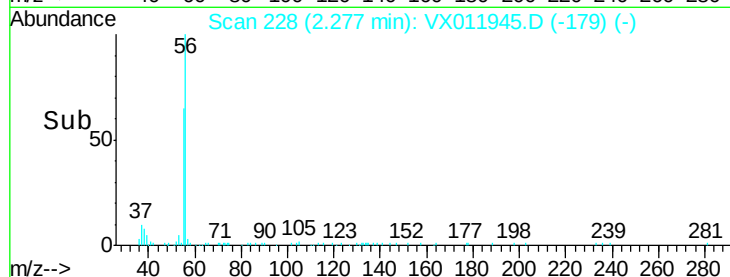
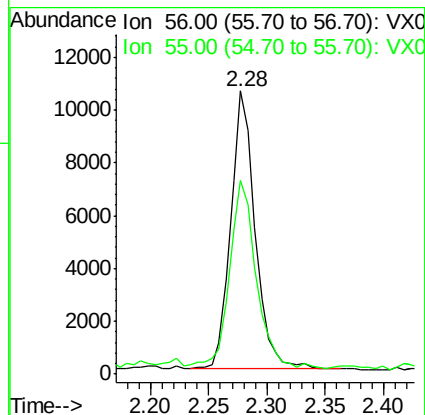
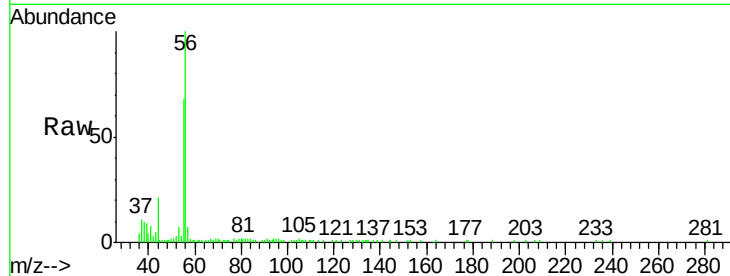
55 70.9 58.6 88.0

Manual Integrations

APPROVED

sam

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#14

Allyl chloride

Concen: 19.051 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

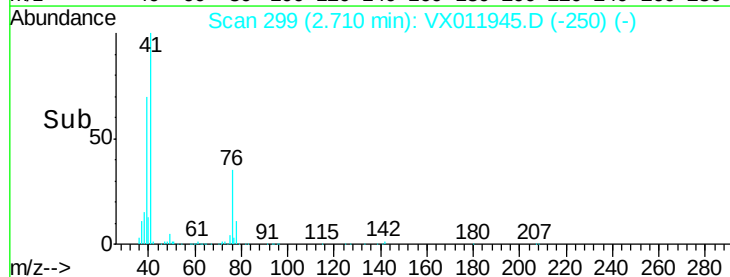
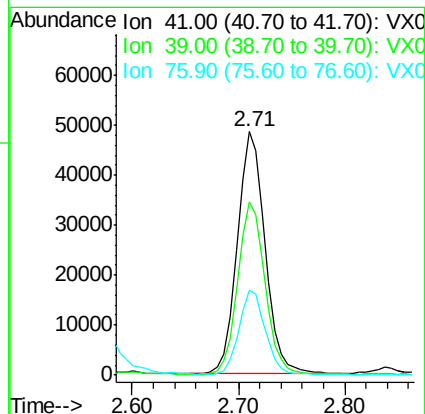
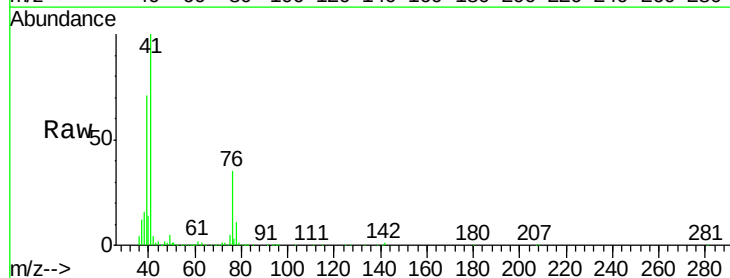
Tgt Ion: 41 Resp: 89003

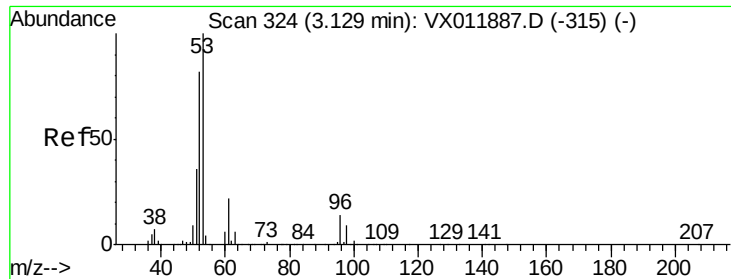
Ion Ratio Lower Upper

41 100

39 69.5 55.0 82.6

76 33.7 27.0 40.4





#15

Acrylonitrile

Concen: 95.991 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

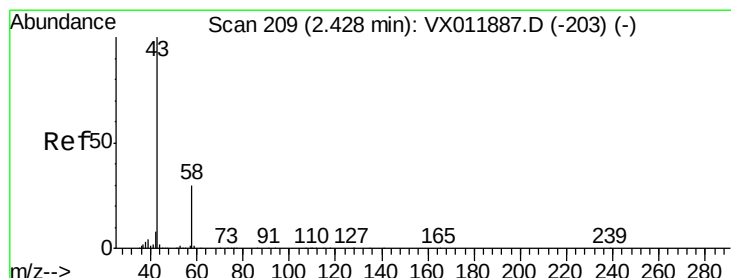
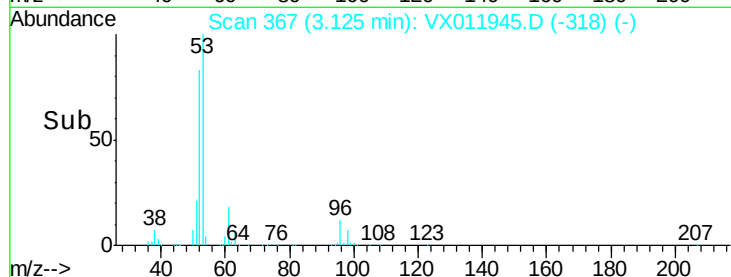
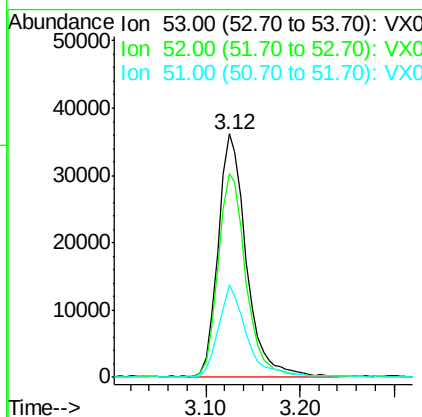
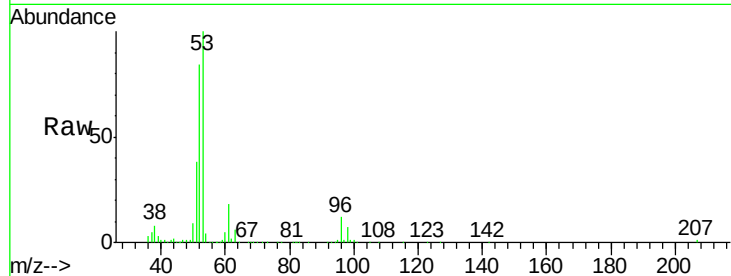
ClientSampleId :

VX0831SBS01

Tot Ion:	53	Resp:	74554
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.3	97.9
51	37.3	29.4	44.2

Manual Integrations
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sam
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#16

Acetone

Concen: 95.080 ug/l

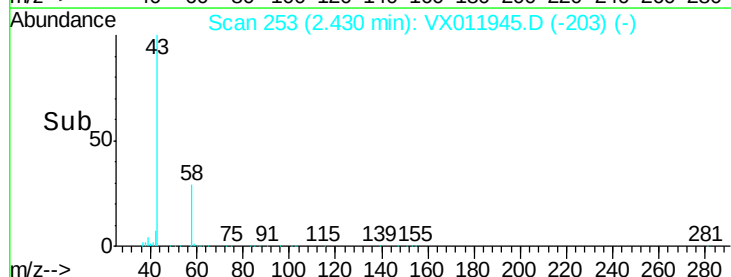
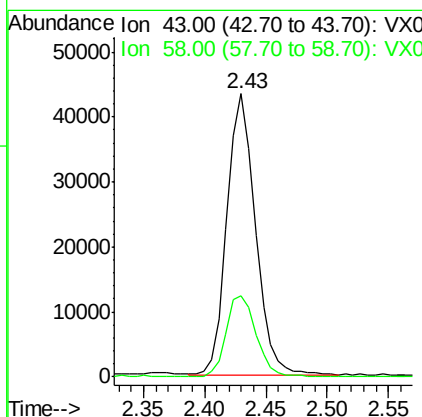
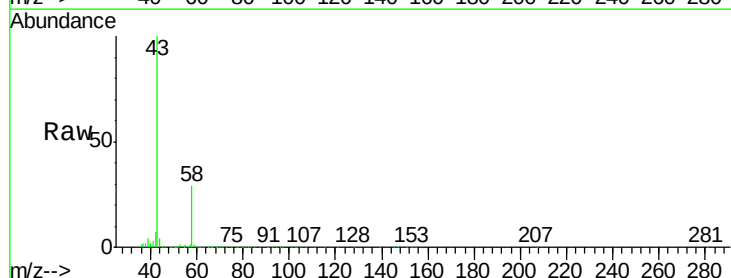
RT: 2.43 min Scan# 253

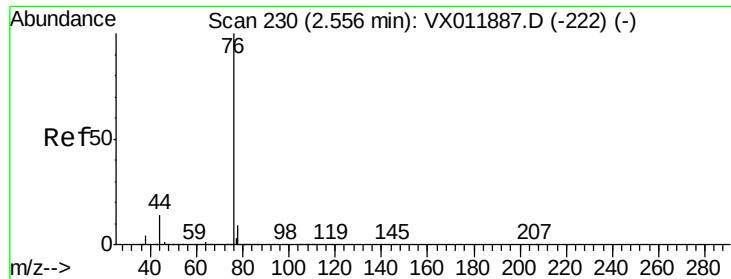
Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Tgt Ion:	43	Resp:	69501
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.8	35.8





#17

Carbon Disulfide

Concen: 17.749 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion: 76 Resp: 126789

Ion Ratio Lower Upper

76 100

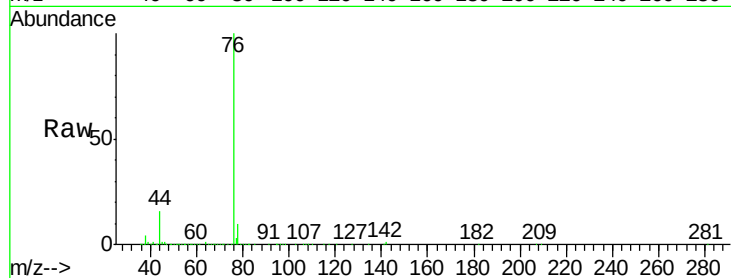
78 9.8 7.3 10.9

Manual Integrations

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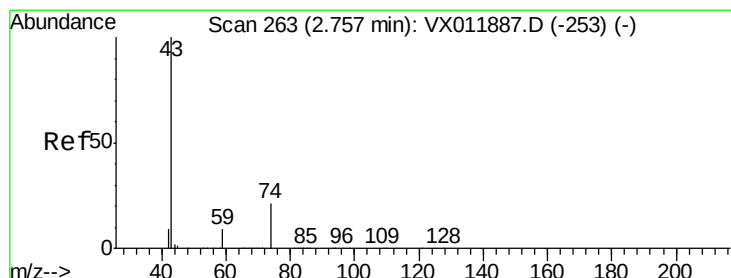
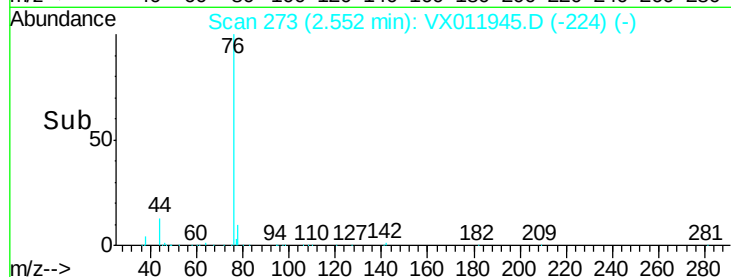
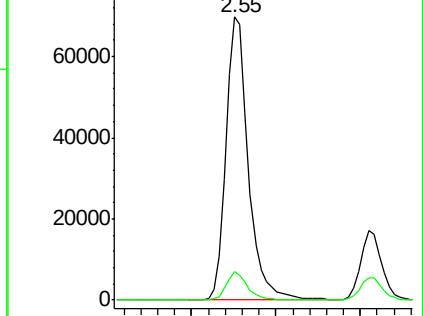
sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.325 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX011945.D

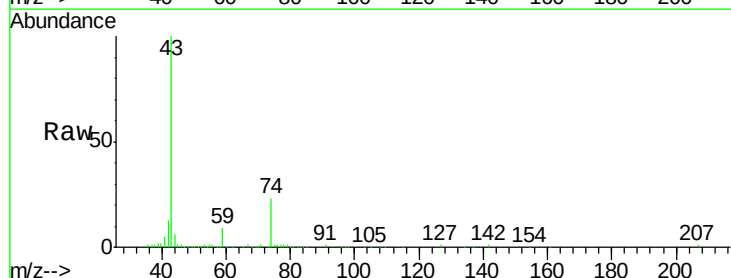
Acq: 31 Aug 2019 12:37

Tgt Ion: 43 Resp: 41126

Ion Ratio Lower Upper

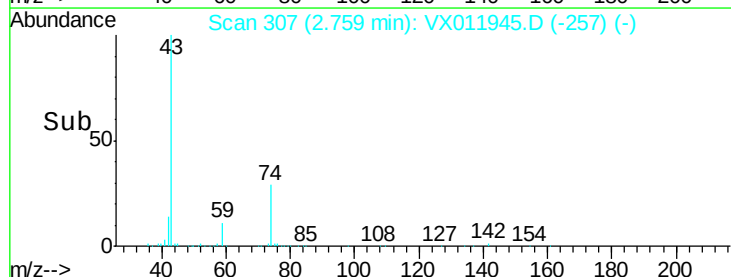
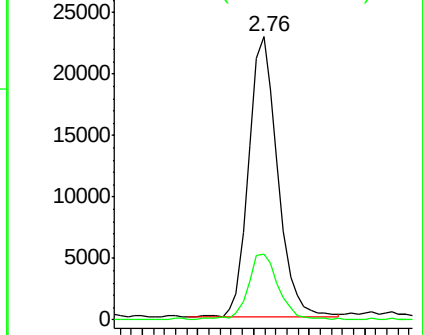
43 100

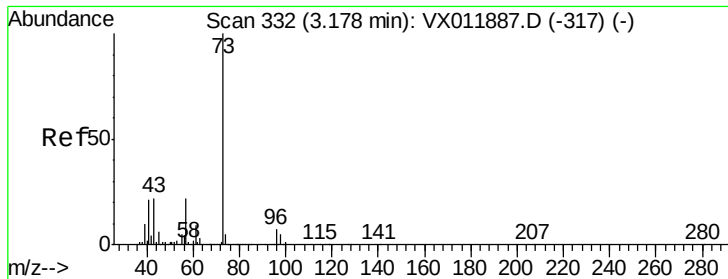
74 24.1 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





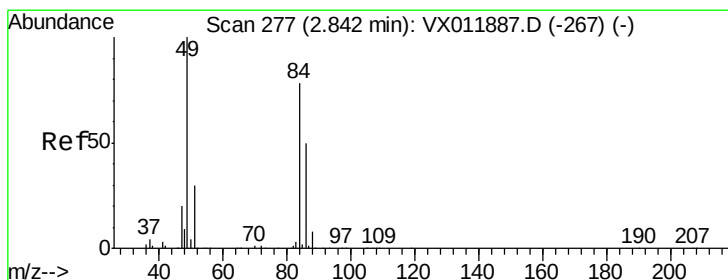
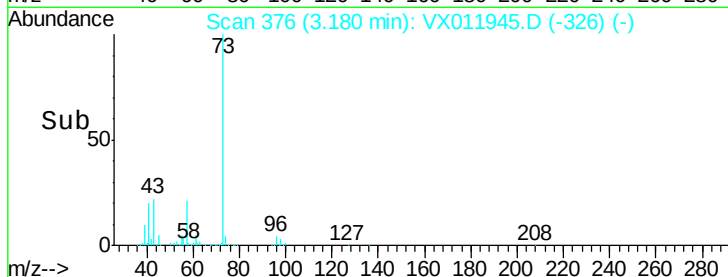
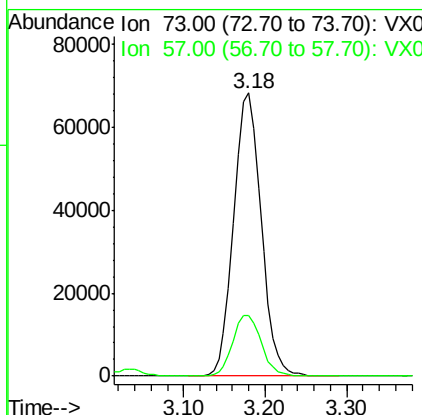
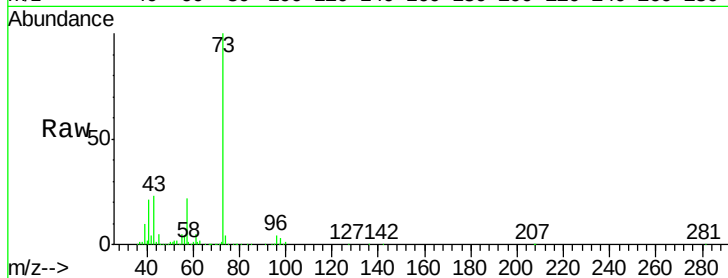
#19
Methyl tert-butyl Ether
Concen: 19.771 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.0

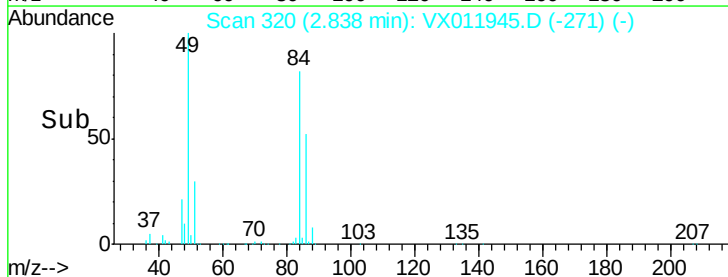
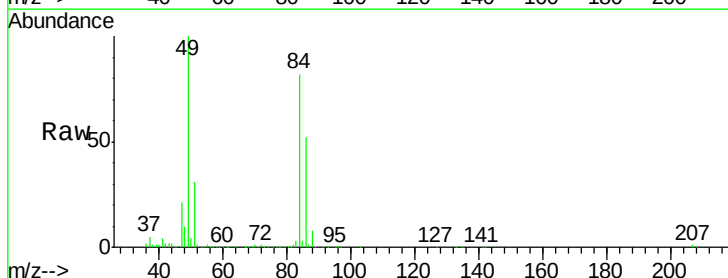
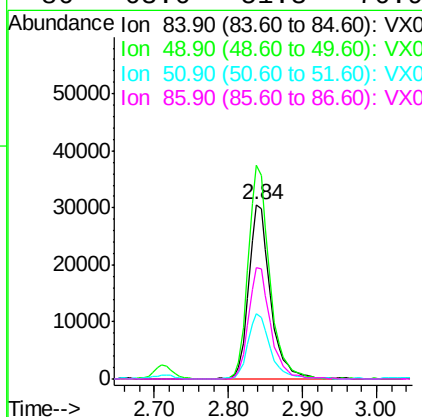
Manual Integrations
APPROVED

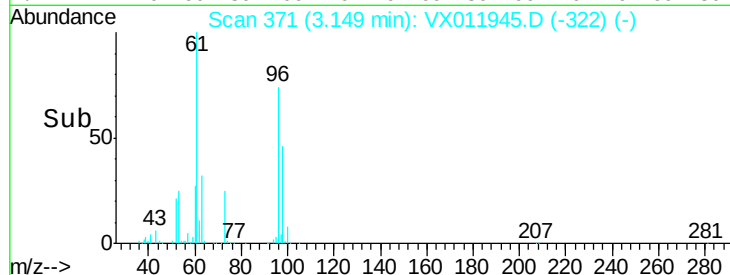
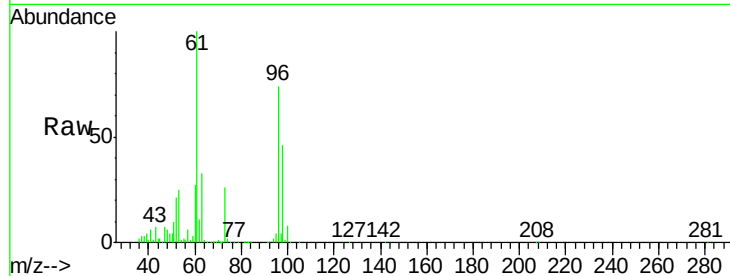
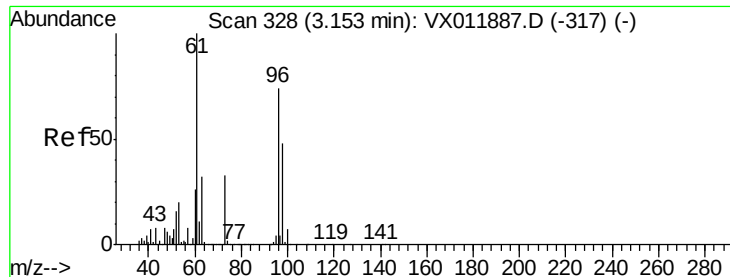
sam
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#20
Methylene Chloride
Concen: 16.782 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	103.0	154.4
51	37.2	30.8	46.2
86	63.6	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 19.079 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011945.D

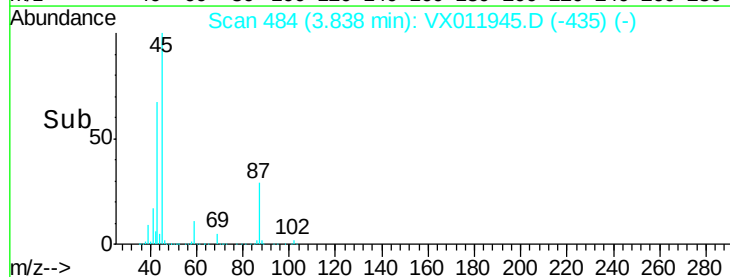
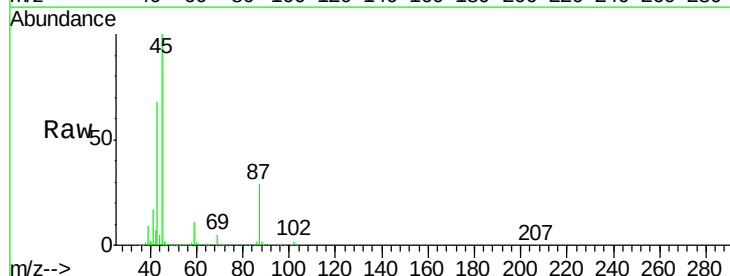
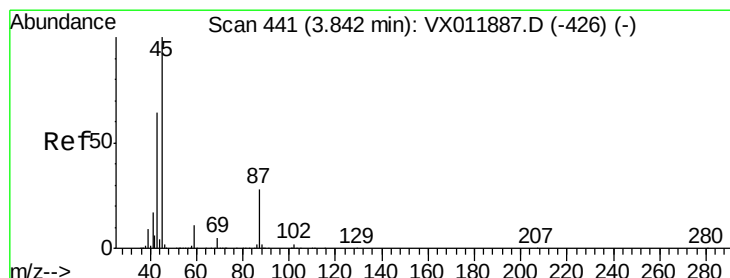
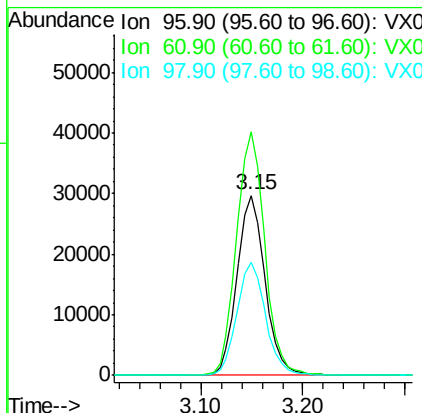
Acq: 31 Aug 2019 12:37

Tot Ion:	96	Resp:	55971
Ion	Ratio	Lower	Upper
96	100		
61	135.5	107.4	161.2
98	62.8	51.4	77.2

Instrument :
MSVOA_X
ClientSampled :
VX0831SBS01

Manual Integrations
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sam
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#22

Diisopropyl ether

Concen: 19.704 ug/l

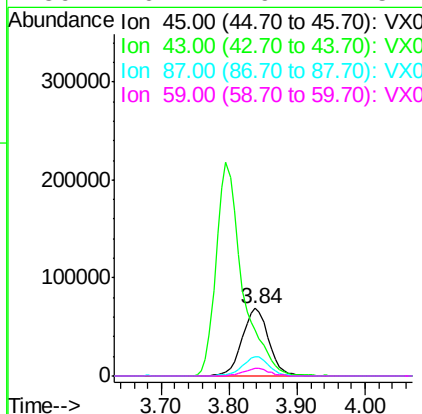
RT: 3.84 min Scan# 484

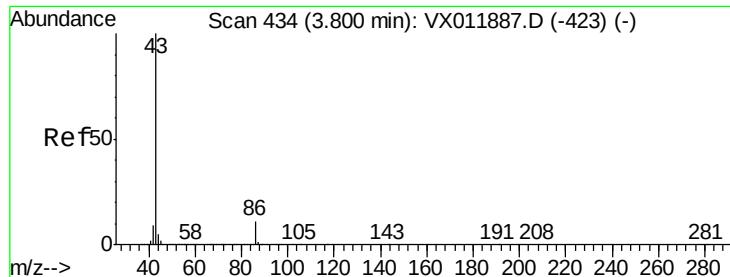
Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Tgt Ion:	45	Resp:	187929
Ion	Ratio	Lower	Upper
45	100		
43	67.6	51.0	76.6
87	29.0	22.0	33.0
59	10.7	9.1	13.7





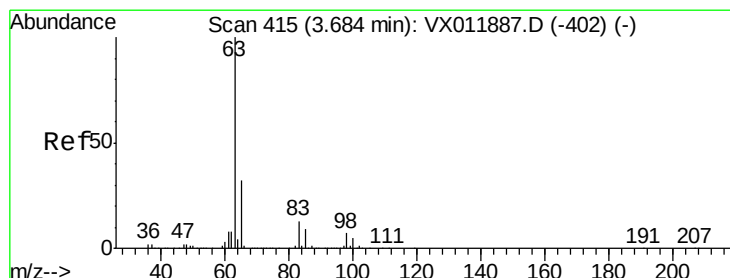
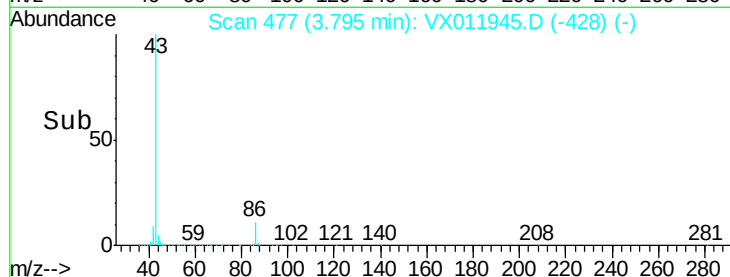
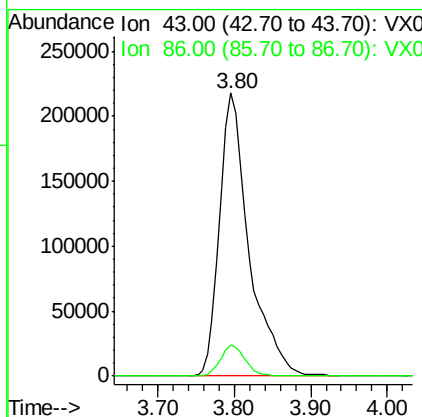
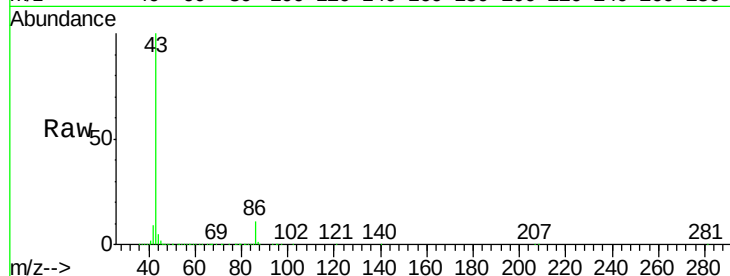
#23
 Vinyl Acetate
 Concen: 95.071 ug/l
 RT: 3.80 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	582962		
86	10.8		8.6	12.8

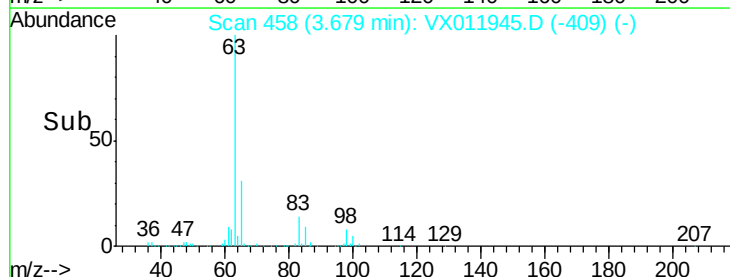
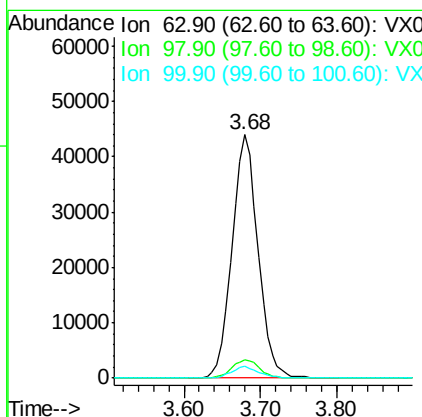
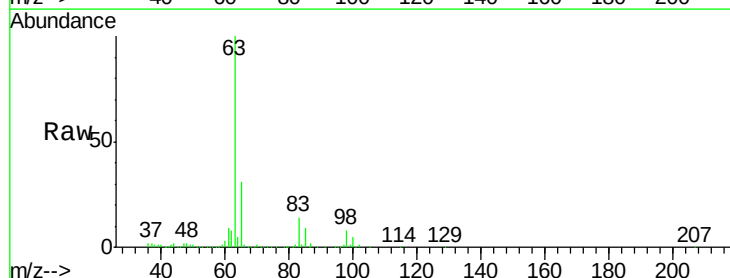
Manual Integrations
 APPROVED

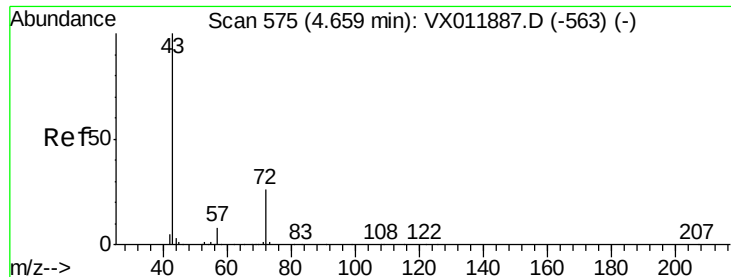
sam
 9/3/2019 12:52:19 PM



#24
 1,1-Dichloroethane
 Concen: 19.650 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	103348		
98	7.6		3.8	11.2
100	4.8		2.4	7.2





#25

2-Butanone

Concen: 95.961 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion: 43 Resp: 102164

Ion Ratio Lower Upper

43 100

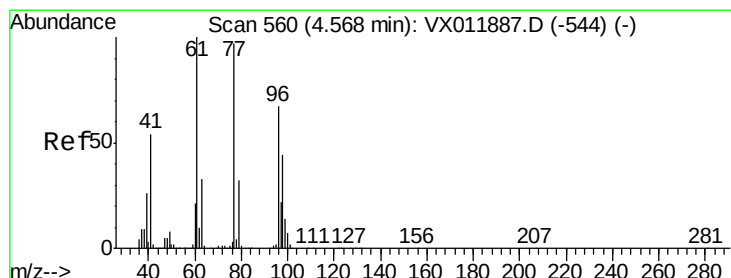
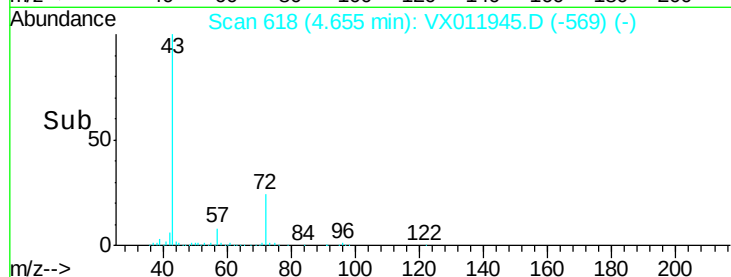
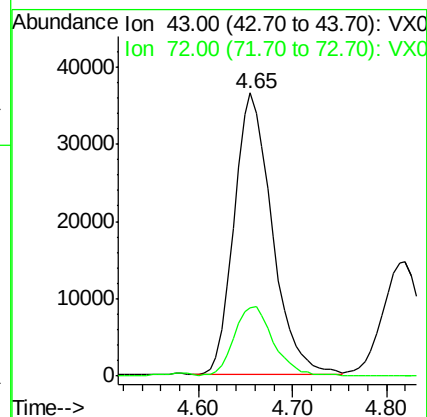
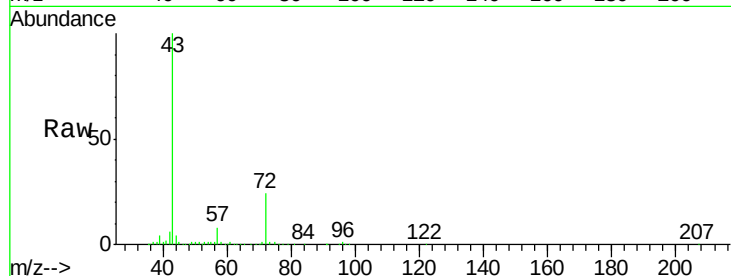
72 23.7 21.0 31.4

Manual Integrations

APPROVED

sam

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#26

2,2-Dichloropropane

Concen: 20.528 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX011945.D

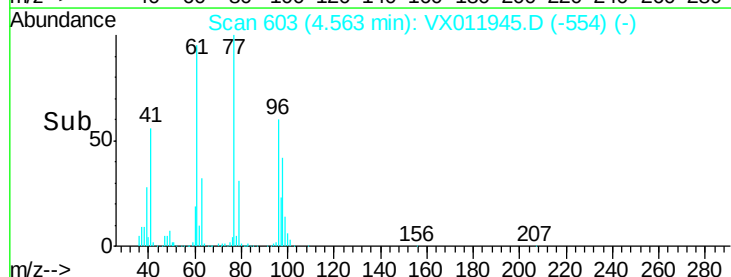
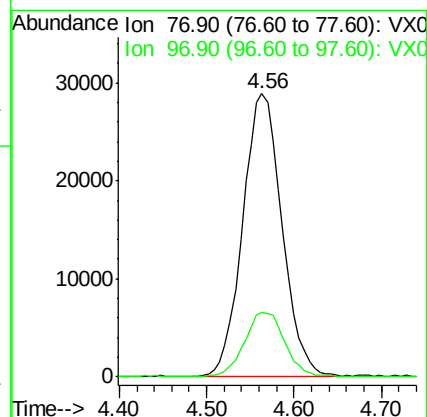
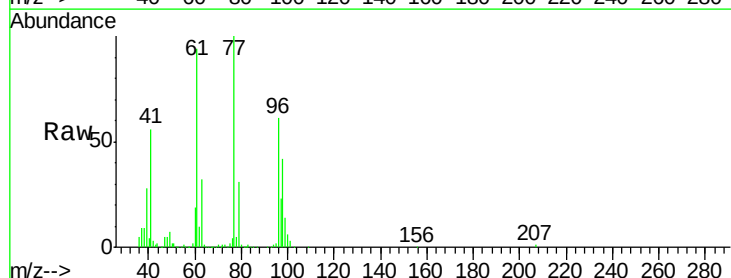
Acq: 31 Aug 2019 12:37

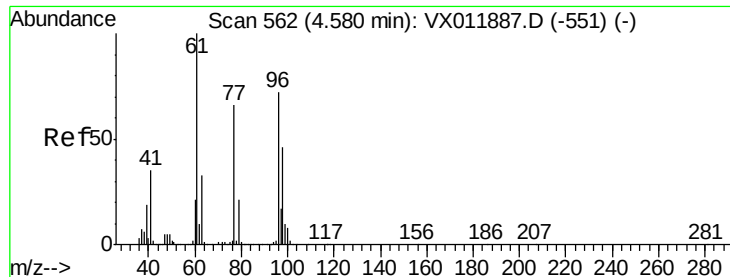
Tgt Ion: 77 Resp: 90553

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.1





#27

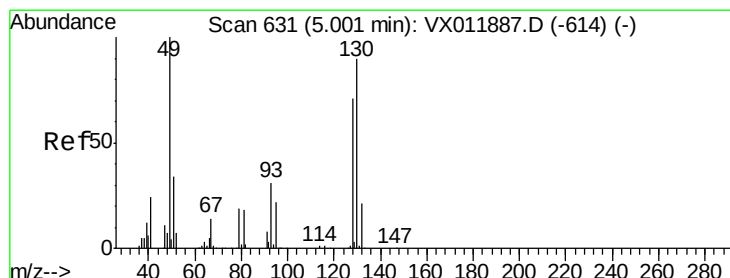
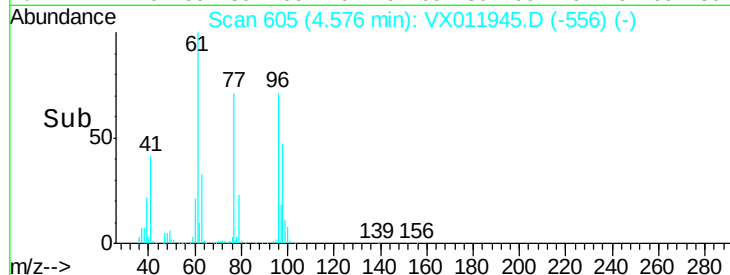
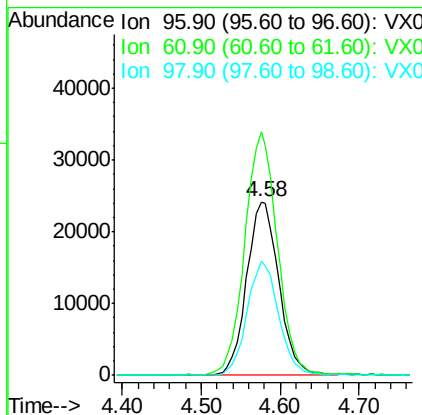
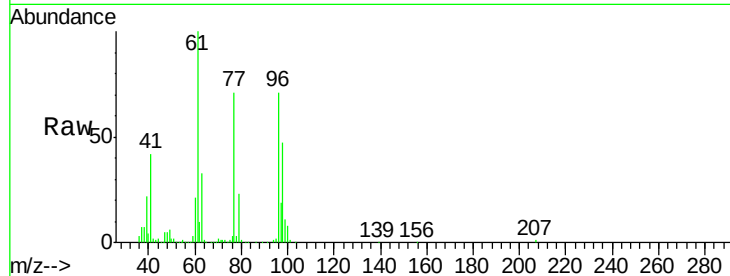
cis-1,2-Dichloroethene
Concen: 19.880 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	68699		
61	141.5	0.0	283.8	
98	64.3	0.0	131.2	

Manual Integrations
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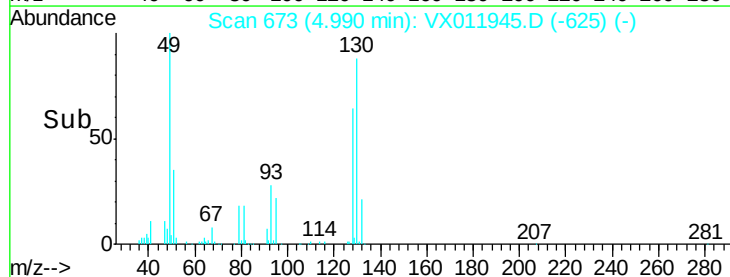
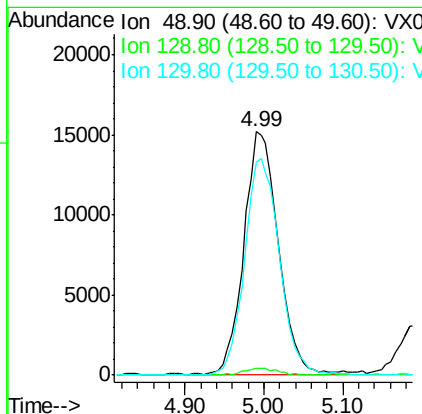
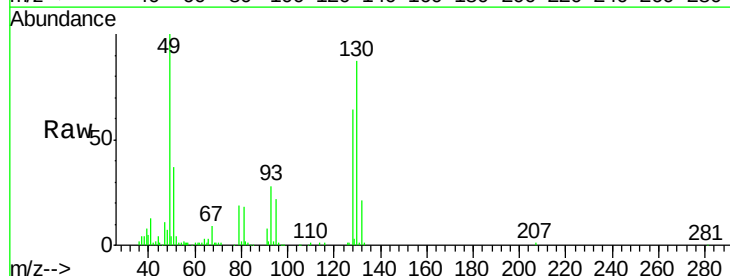
sam
9/3/2019 12:52:19 PM

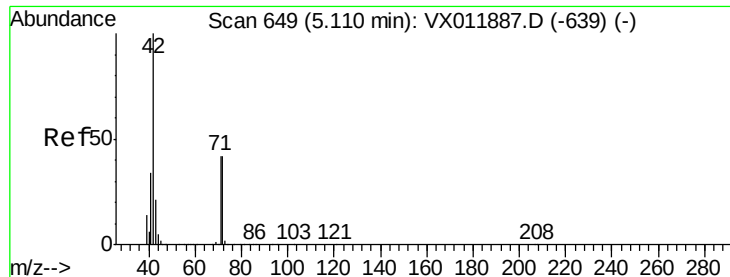


#28

Bromochloromethane
Concen: 19.642 ug/l
RT: 4.99 min Scan# 673
Delta R.T. -0.01 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	46355		
129	2.5	0.0	4.8	
130	89.7	70.6	105.8	





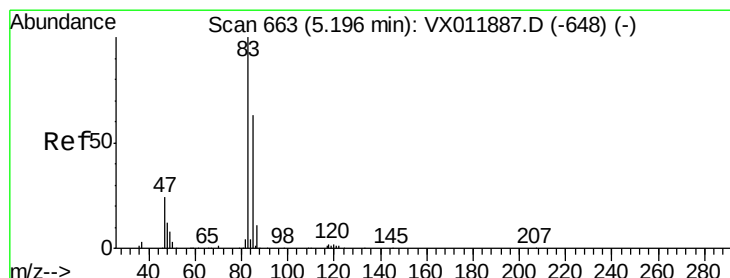
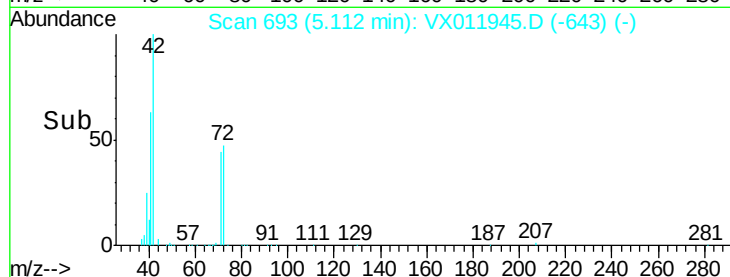
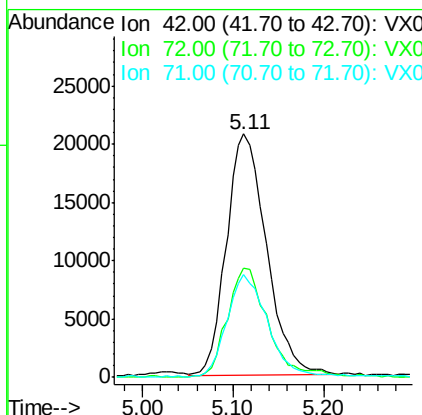
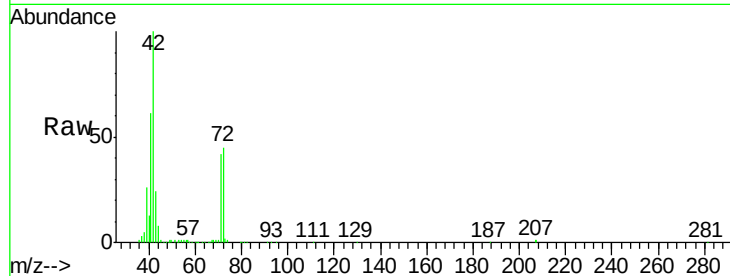
#29
Tetrahydrofuran
Concen: 95.474 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion:	42	Resp:	63443
Ion Ratio	Lower	Upper	
42	100		
72	46.3	36.2	54.4
71	43.0	33.1	49.7

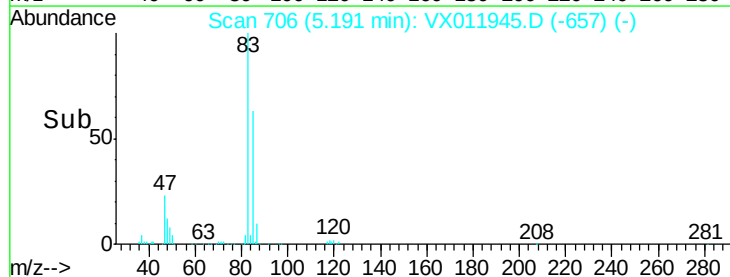
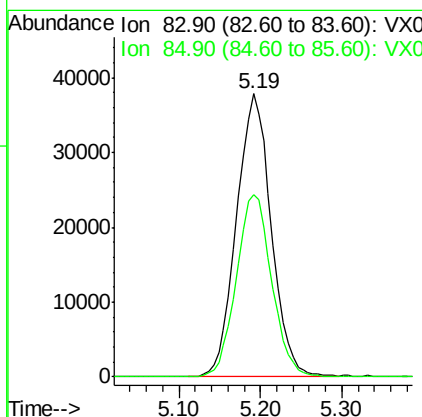
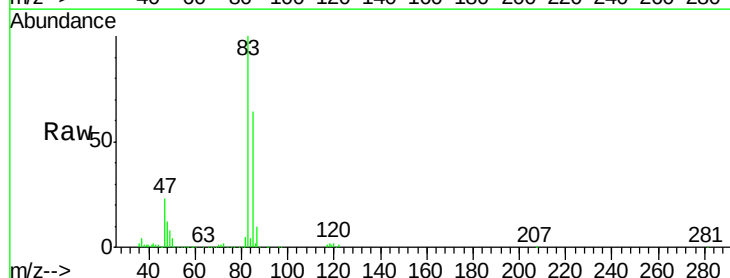
Manual Integrations
APPROVED

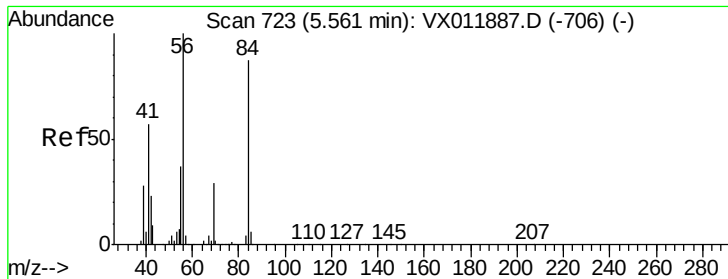
sam
9/3/2019 12:52:19 PM



#30
Chloroform
Concen: 19.882 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion:	83	Resp:	111807
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.6	75.8





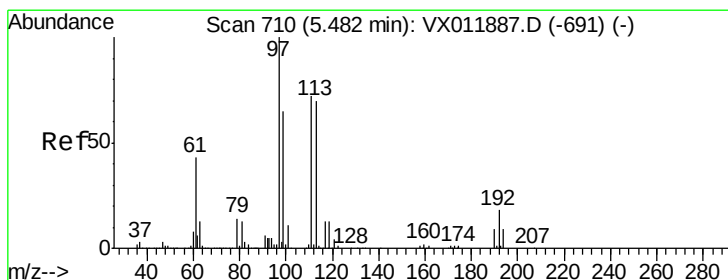
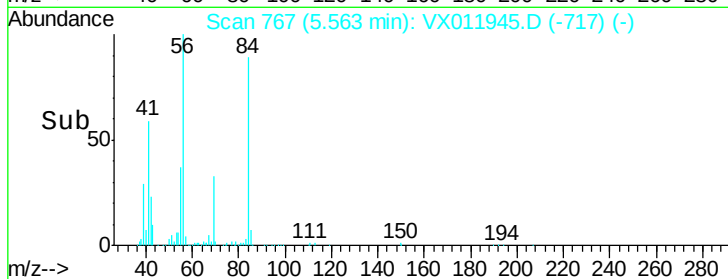
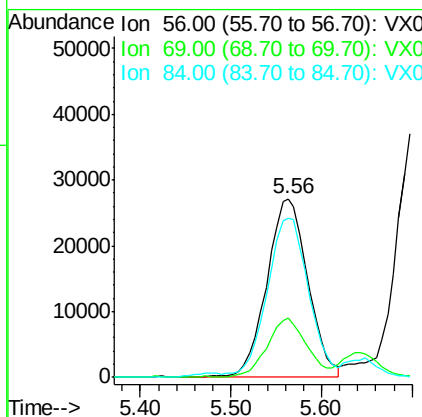
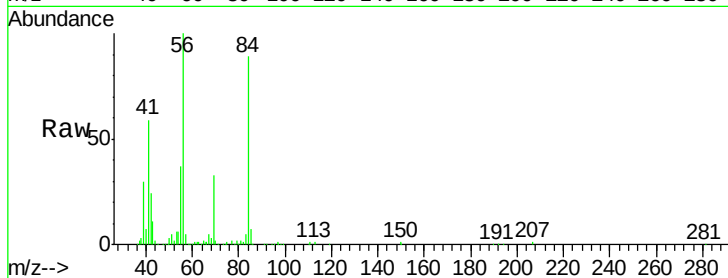
#31
Cyclohexane
Concen: 19.838 ug/l
RT: 5.56 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	23.1	34.7
84	87.8	69.6	104.4

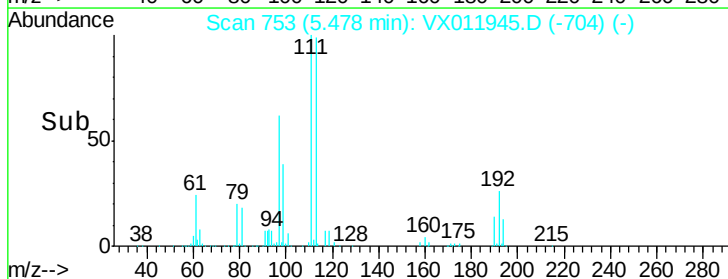
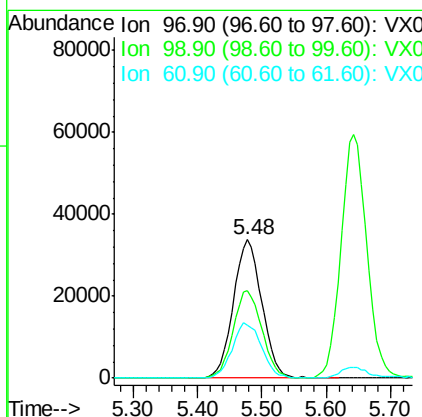
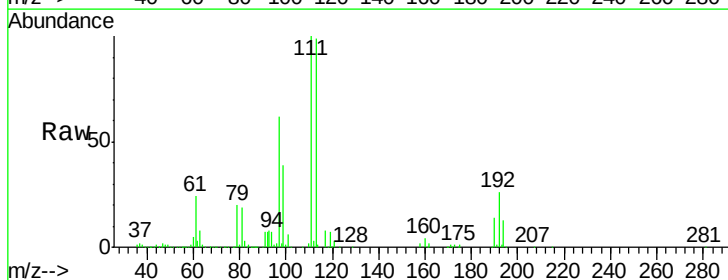
Manual Integrations
APPROVED

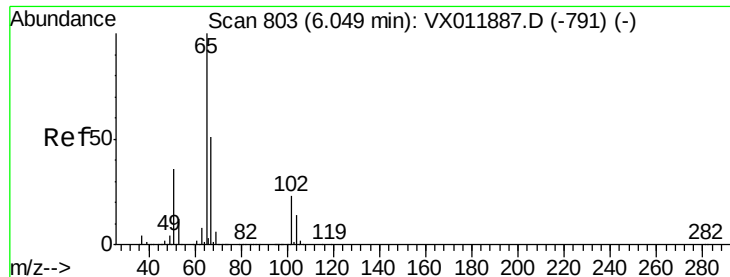
sam
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#32
1,1,1-Trichloroethane
Concen: 20.724 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.8
61	41.2	33.8	50.6





#33

1,2-Dichloroethane-d4

Concen: 48.954 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Tot Ion:	65	Resp:	166317
Ion Ratio	Lower	Upper	
65	100		
67	50.5	0.0	102.2

Instrument :

MSVOA_X

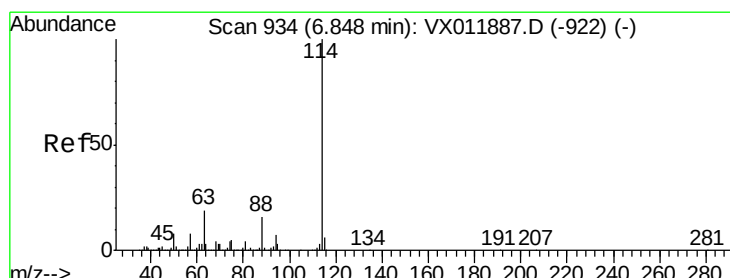
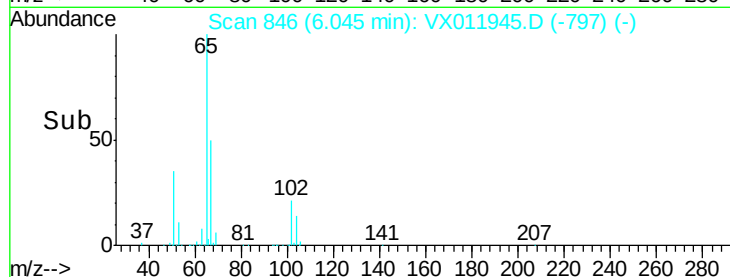
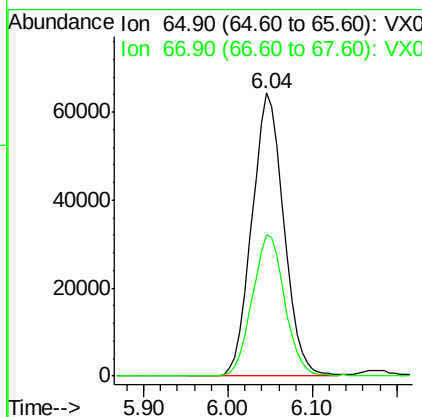
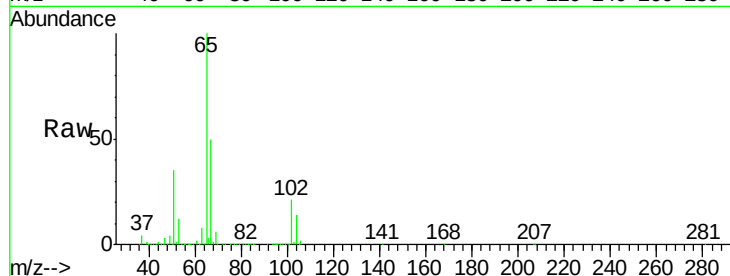
ClientSampleId :

VX0831SBS01

Manual Integrations
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sam

9/3/2019 12:52:19 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

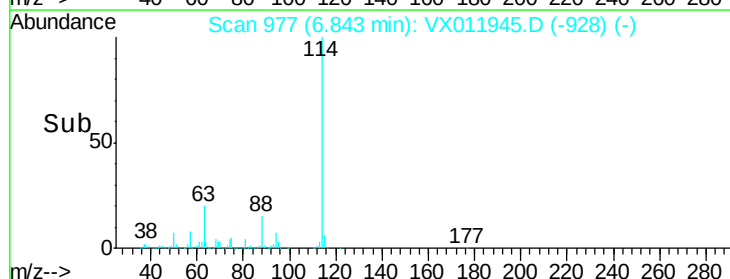
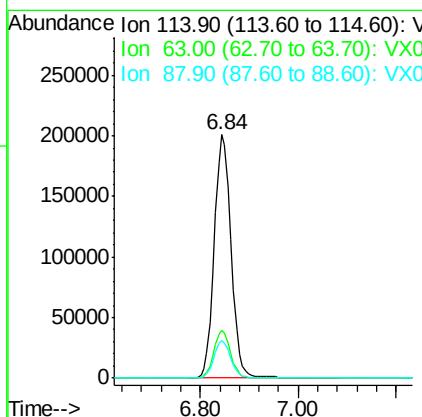
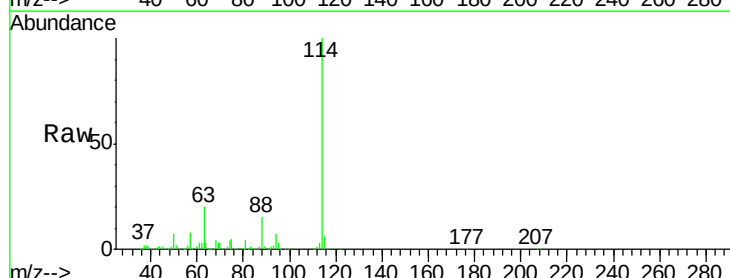
RT: 6.84 min Scan# 977

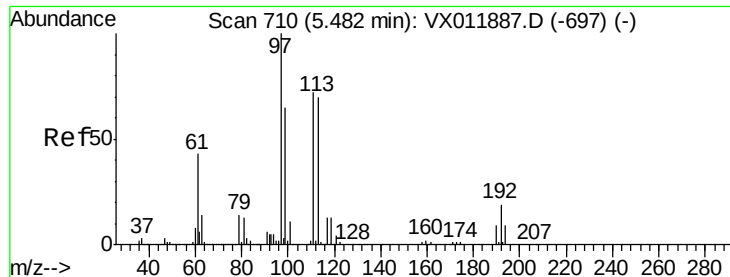
Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Tgt Ion:	114	Resp:	480630
Ion Ratio	Lower	Upper	
114	100		
63	19.7	0.0	38.8
88	15.3	0.0	31.2





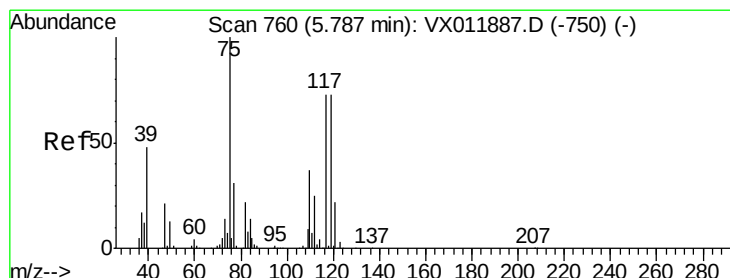
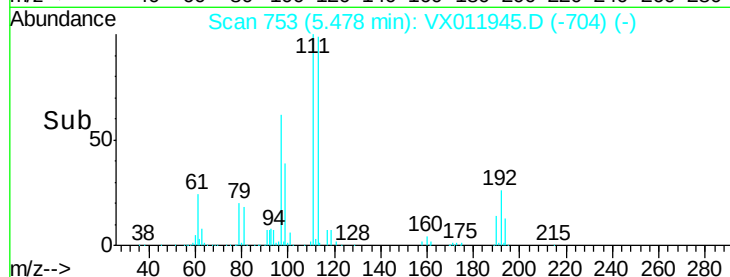
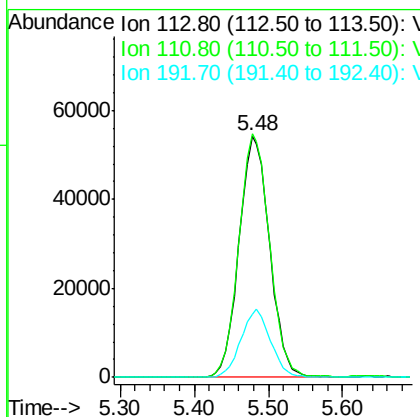
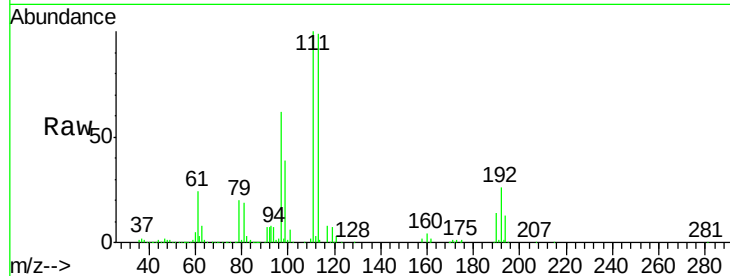
#35
 Dibromofluoromethane
 Concen: 50.706 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	156277		
111	101.4	82.1	123.1	
192	27.2	21.5	32.3	

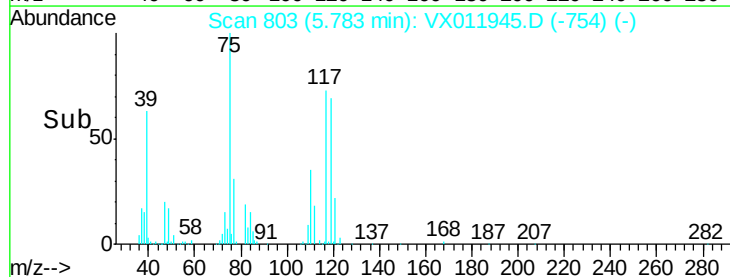
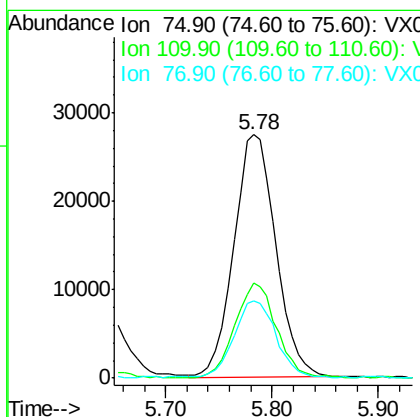
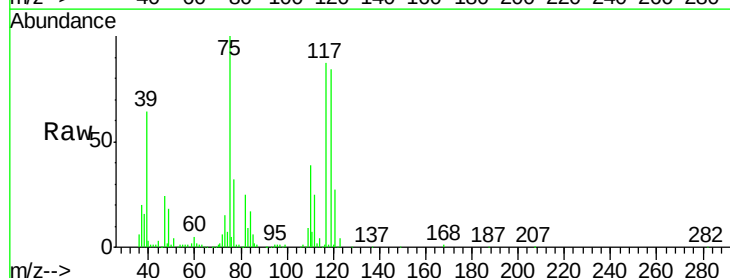
Manual Integrations
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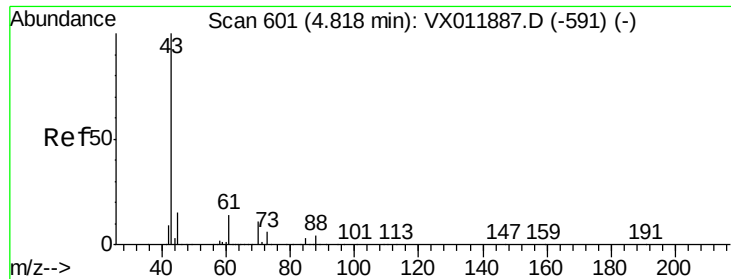
sam
 9/3/2019 12:52:19 PM



#36
 1,1-Dichloropropene
 Concen: 19.901 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75777		
110	39.1	19.1	57.3	
77	31.2	24.4	36.6	





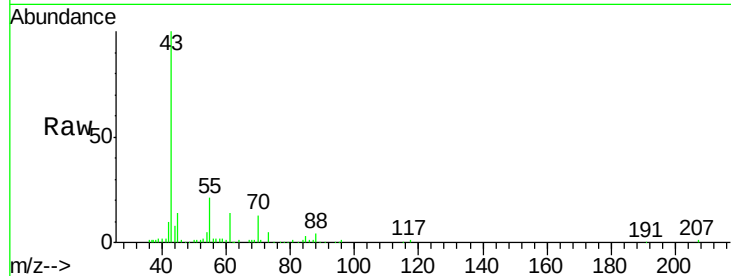
#37
Ethyl Acetate
Concen: 19.396 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.0	16.4
70	12.3	9.2	13.8

Manual Integrations
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sam
9/3/2019 12:52:19 PM

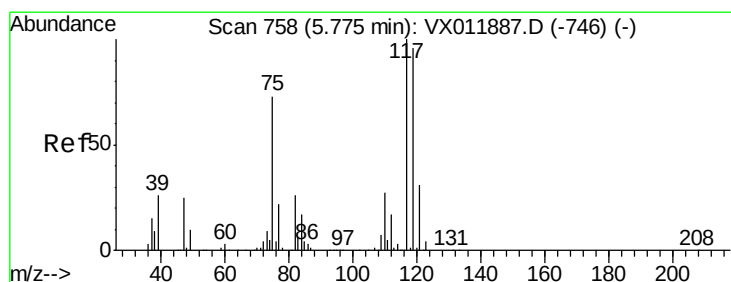
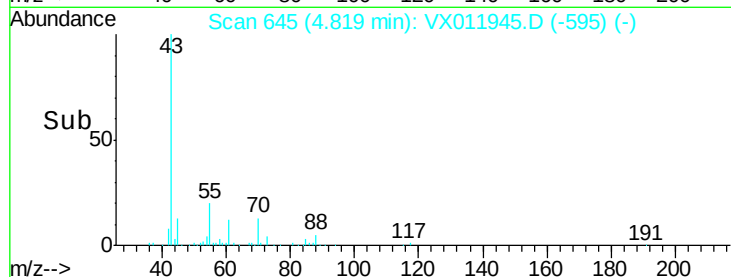
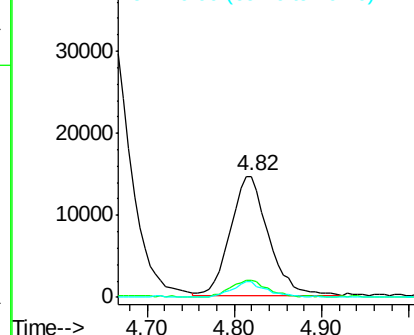


Abundance

Ion 43.00 (42.70 to 43.70): VX0

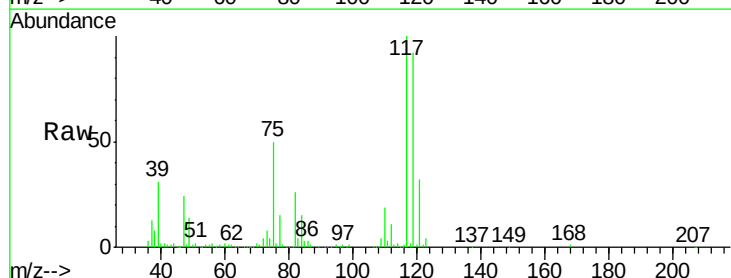
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 21.259 ug/l
RT: 5.76 min Scan# 800
Delta R.T. -0.01 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.6	114.8
121	32.3	24.7	37.1

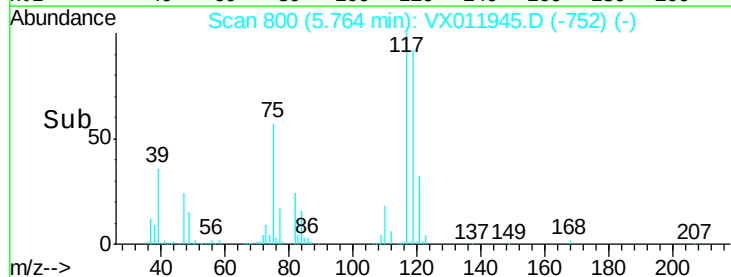
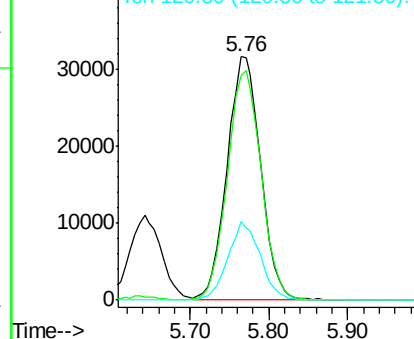


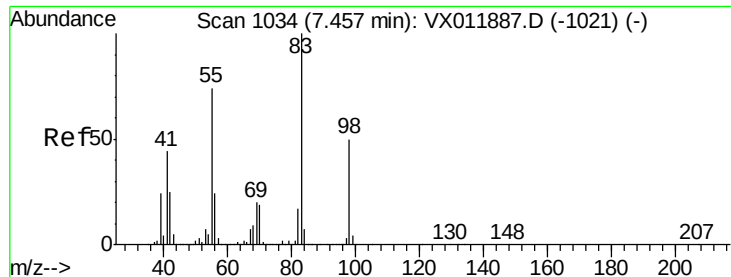
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





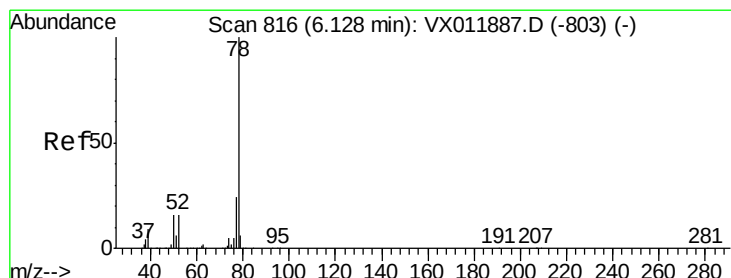
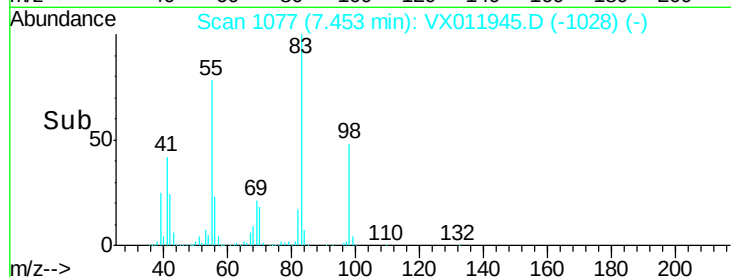
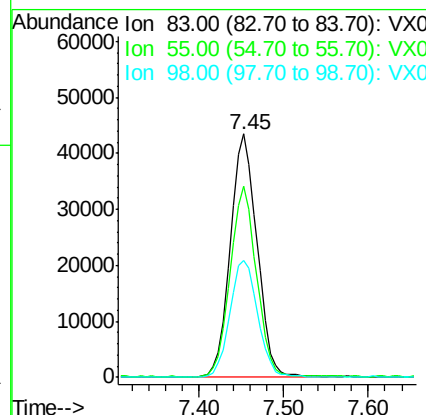
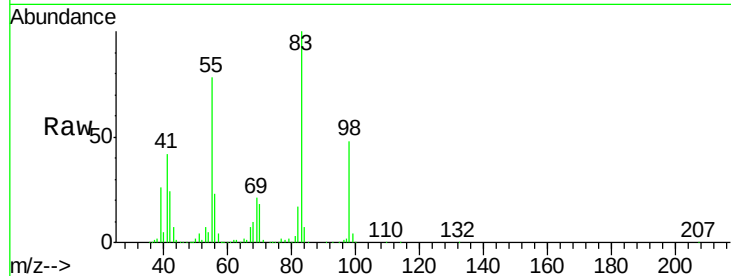
#39
Methylvlcyclohexane
Concen: 20.779 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	94243		
55	78.1		59.4	89.0
98	48.2		40.3	60.5

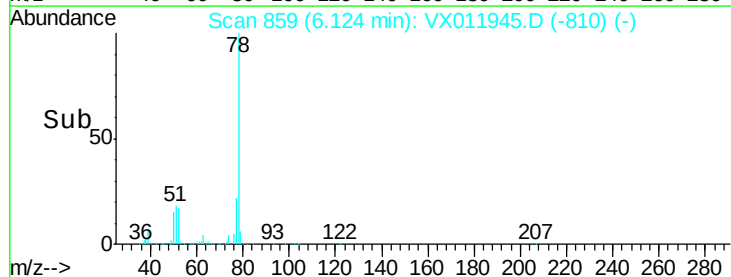
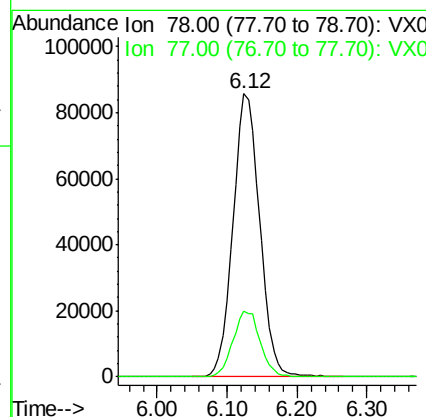
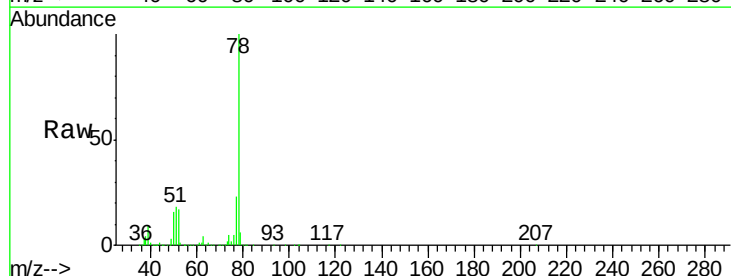
Manual Integrations
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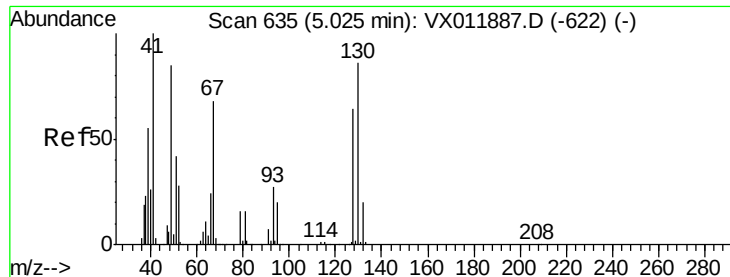
sam
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#40
Benzene
Concen: 20.058 ug/l
RT: 6.12 min Scan# 859
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	227975		
77	23.2		19.0	28.6





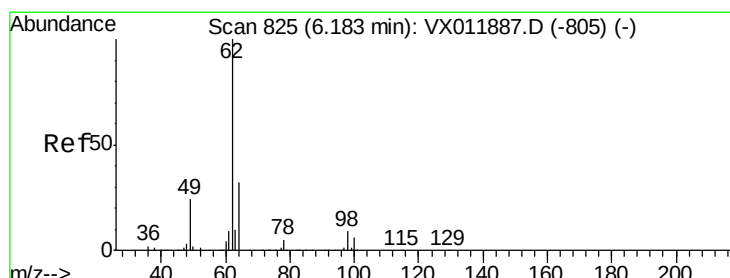
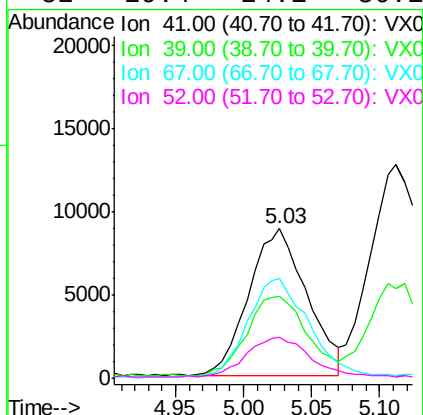
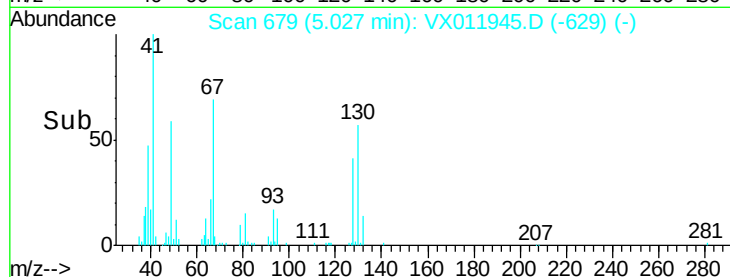
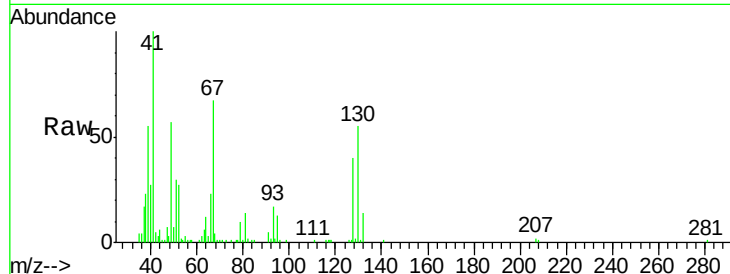
#41
Methacrylonitrile
Concen: 19.765 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		26231		
39	56.6	45.0	67.6		
67	71.2	55.0	82.4		
52	29.4	24.1	36.1		

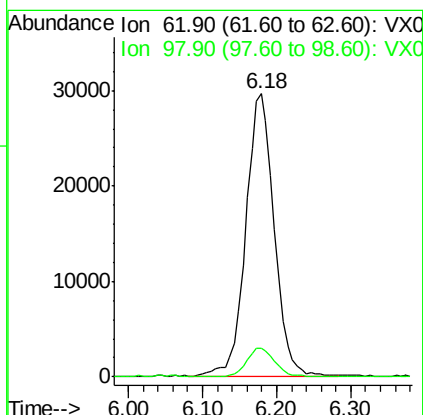
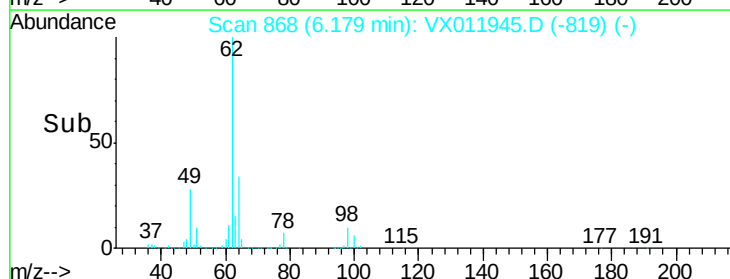
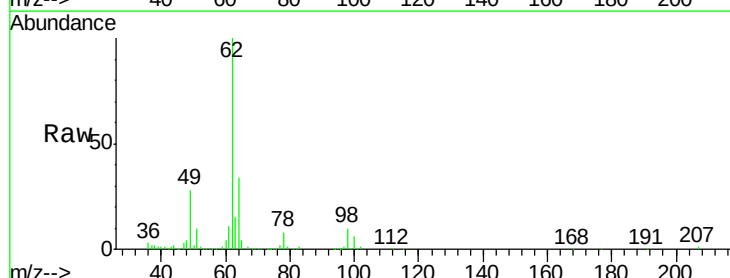
Manual Integrations
APPROVED

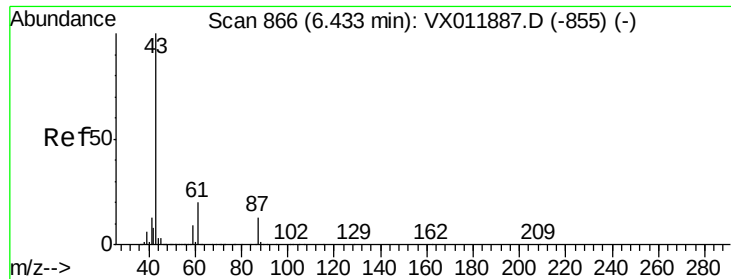
sam
9/3/2019 12:52:19 PM



#42
1,2-Dichloroethane
Concen: 20.443 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		79015		
98	10.1	0.0	19.2		





#43

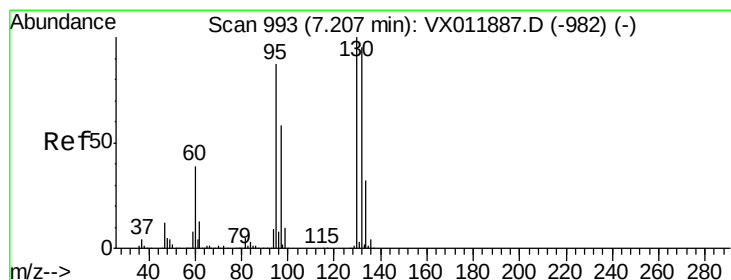
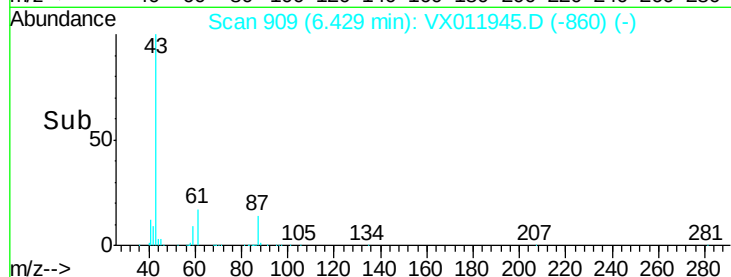
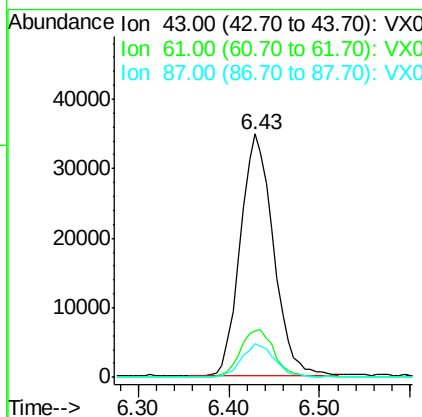
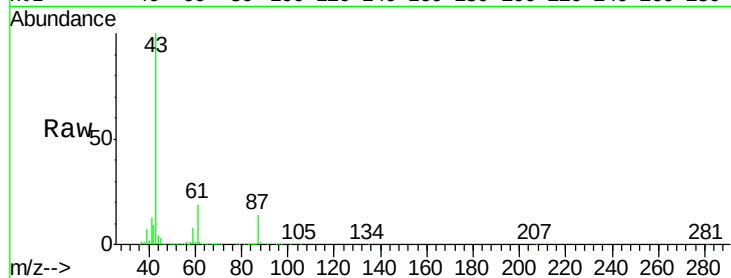
Isopropyl Acetate
 Concen: 19.231 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Tot Ion	43	Resp	87883
Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1
87	13.9	10.6	16.0

Manual Integrations
 APPROVED

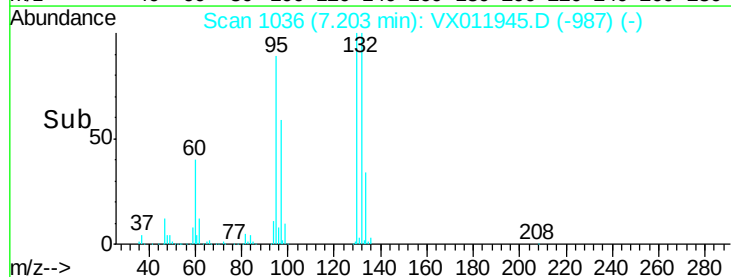
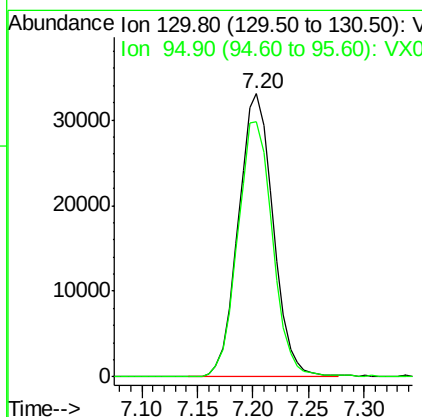
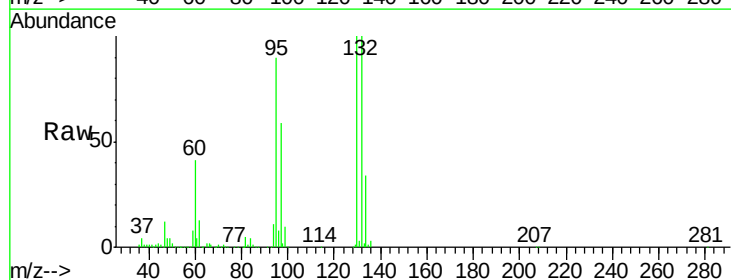
sam
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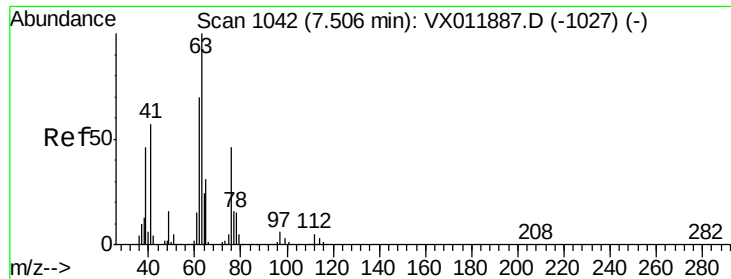


#44

Trichloroethene
 Concen: 20.361 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Tgt Ion	130	Resp	71603
Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	174.6





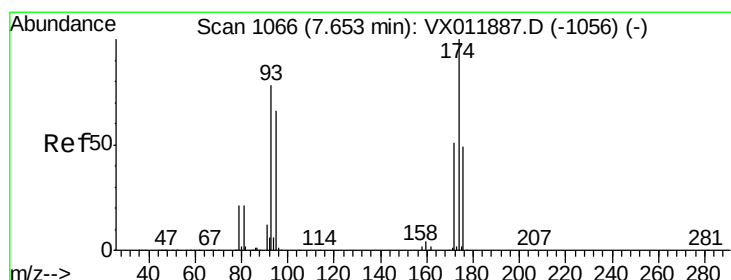
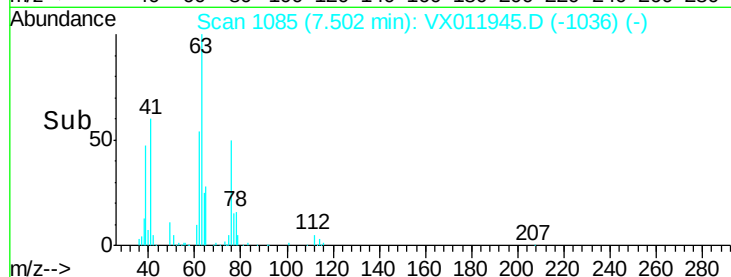
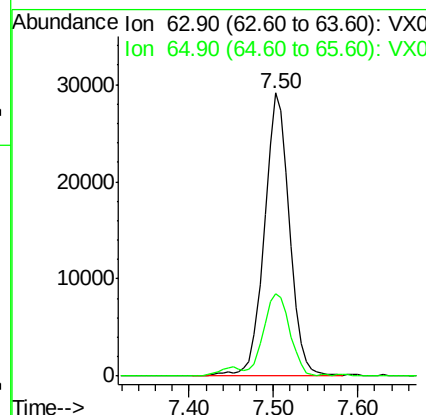
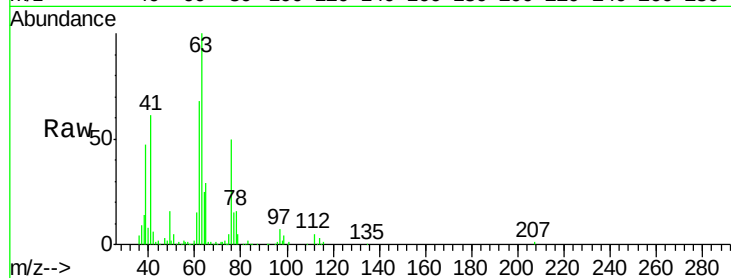
#45
 1,2-Dichloropropane
 Concen: 20.153 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.8	25.1	37.7

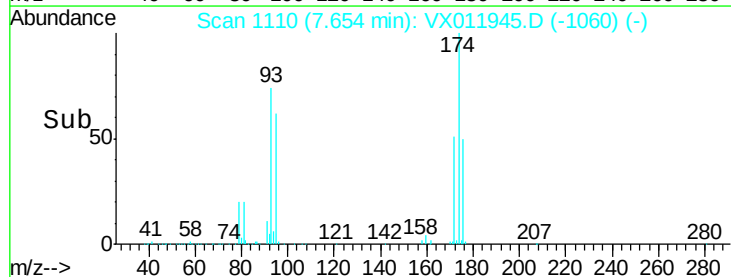
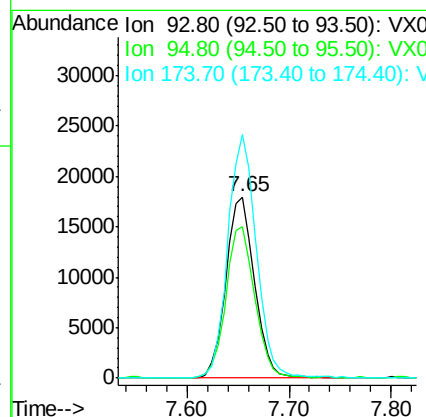
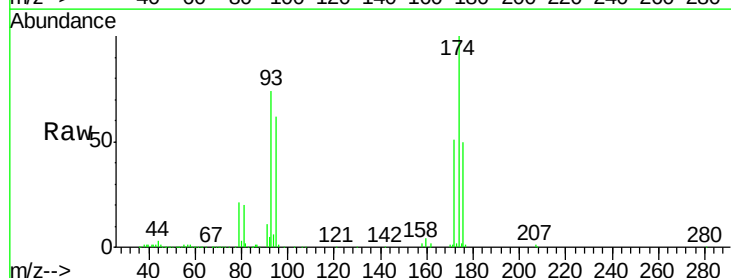
Manual Integrations
 APPROVED

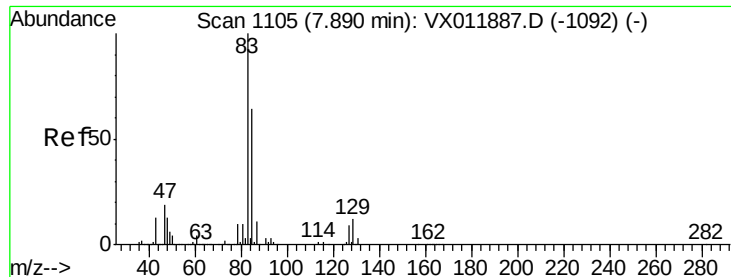
sam
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#46
 Dibromomethane
 Concen: 19.899 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.7	98.5
174	132.6	104.2	156.4





#47

Bromodichloromethane

Concen: 20.184 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

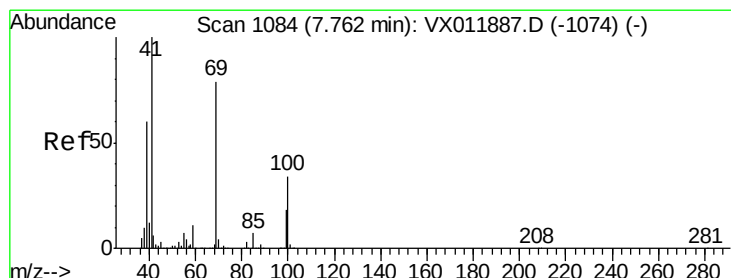
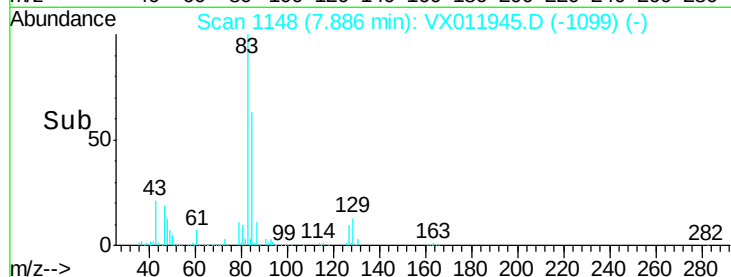
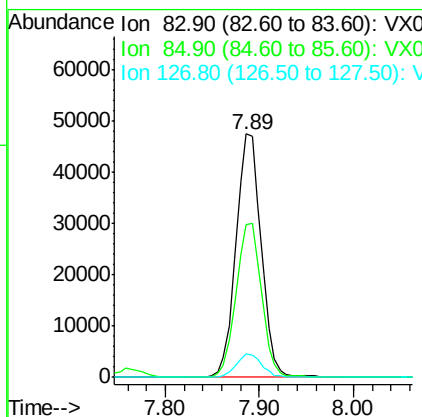
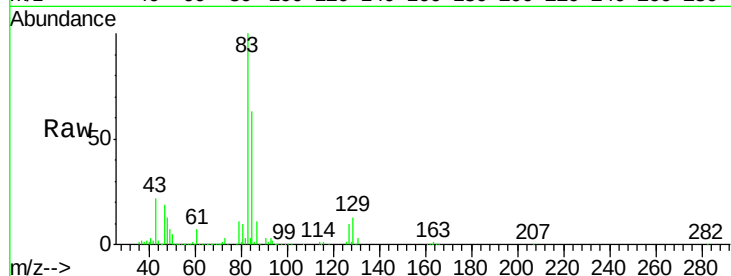
ClientSampleId :

VX0831SBS01

Tot Ion:	83	Resp:	88311
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.1	76.7
127	9.6	7.4	11.2

Manual Integrations
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sam
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#48

Methyl methacrylate

Concen: 19.763 ug/l

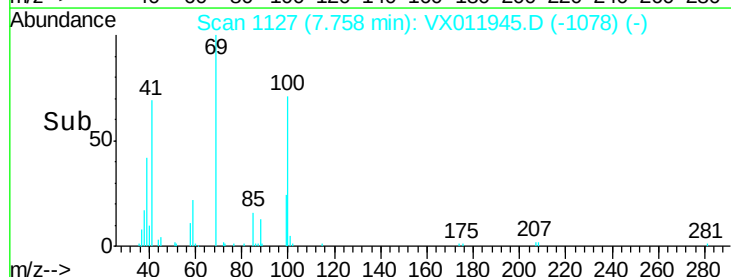
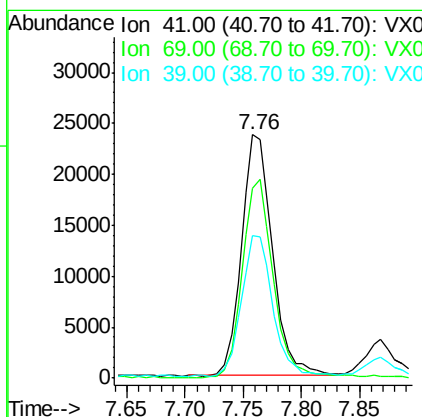
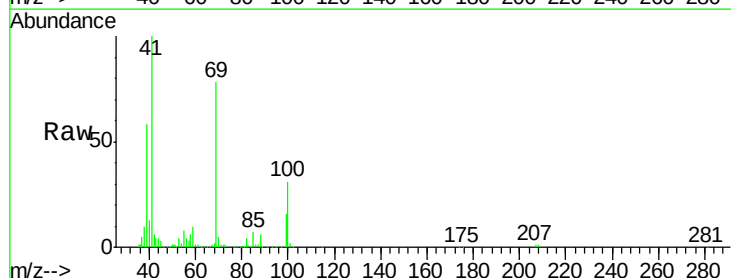
RT: 7.76 min Scan# 1127

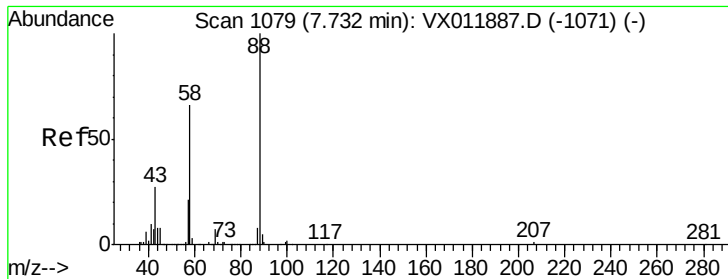
Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Tgt Ion:	41	Resp:	43943
Ion	Ratio	Lower	Upper
41	100		
69	81.7	64.4	96.6
39	58.3	47.2	70.8





#49

1,4-Dioxane

Concen: 412.778 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

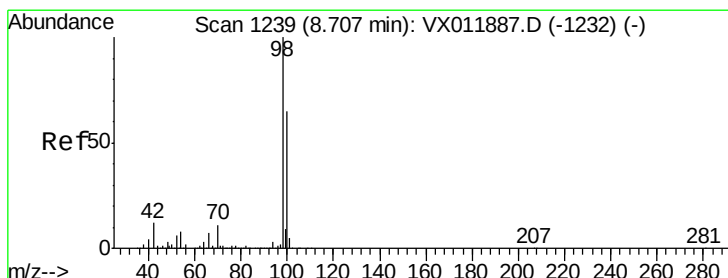
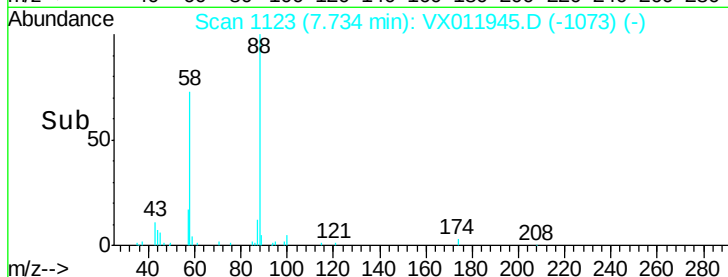
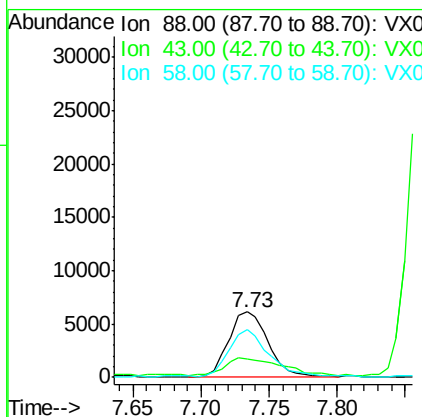
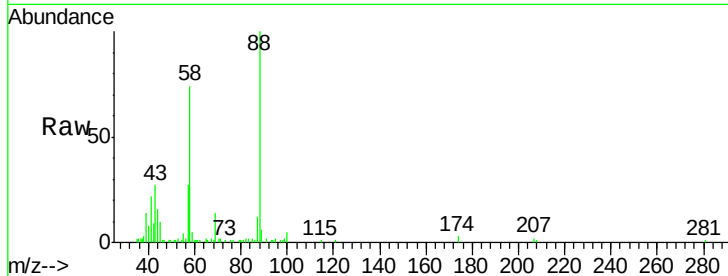
ClientSampleId :

VX0831SBS01

Tot Ion:	88	Resp:	12621
Ion	Ratio	Lower	Upper
88	100		
43	35.8	27.3	40.9
58	72.9	53.9	80.9

Manual Integrations
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#50

Toluene-d8

Concen: 51.069 ug/l

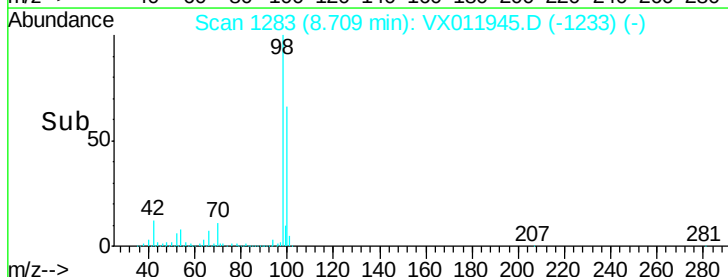
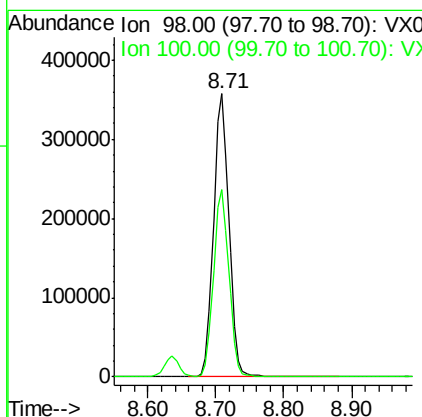
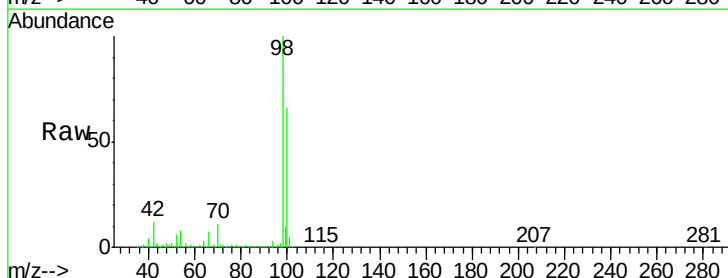
RT: 8.71 min Scan# 1283

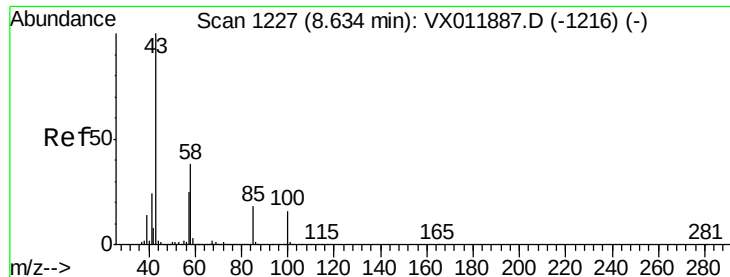
Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Tgt Ion:	98	Resp:	562642
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 98.752 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion: 43 Resp: 229251

Ion Ratio Lower Upper

43 100

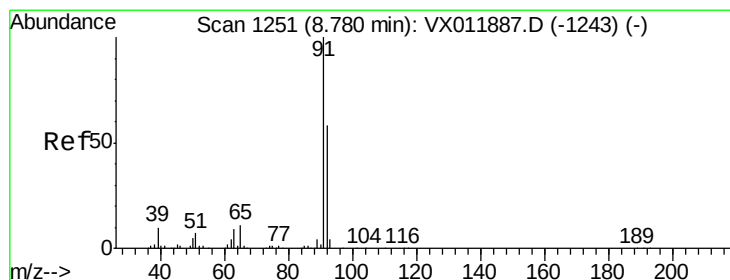
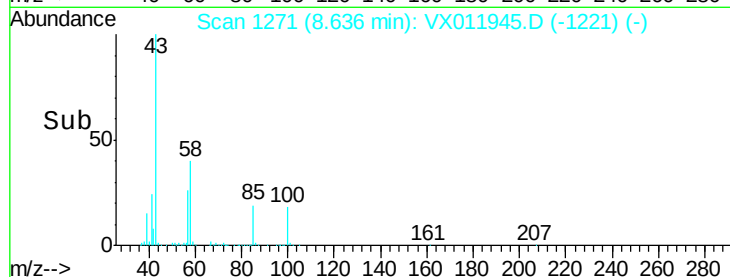
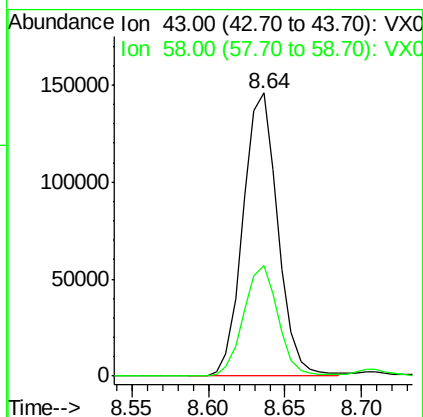
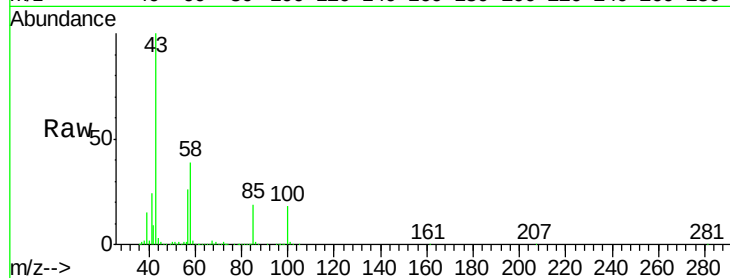
58 38.8 30.9 46.3

Manual Integrations

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#52

Toluene

Concen: 20.329 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX011945.D

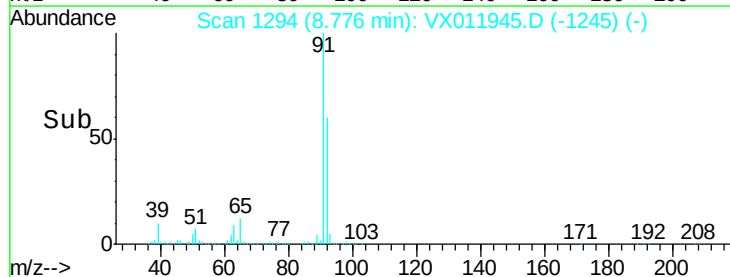
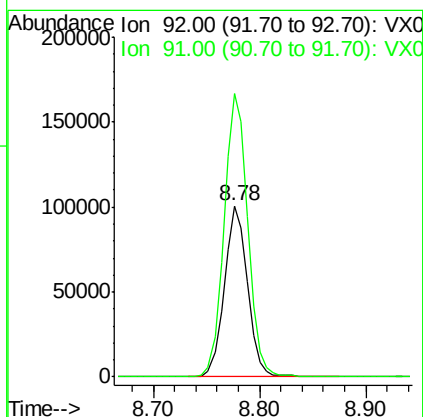
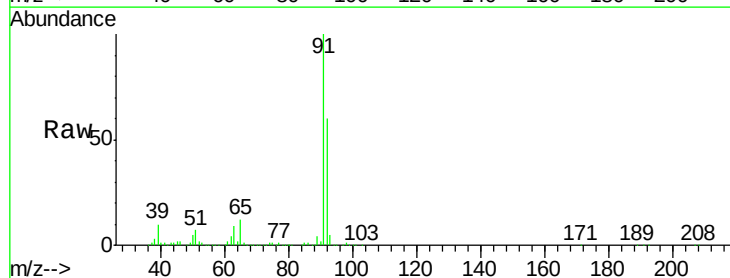
Acq: 31 Aug 2019 12:37

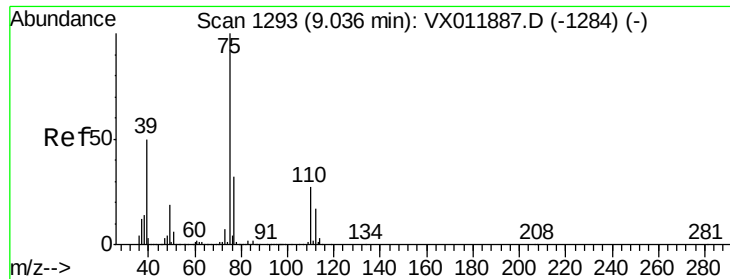
Tgt Ion: 92 Resp: 152859

Ion Ratio Lower Upper

92 100

91 169.6 136.8 205.2





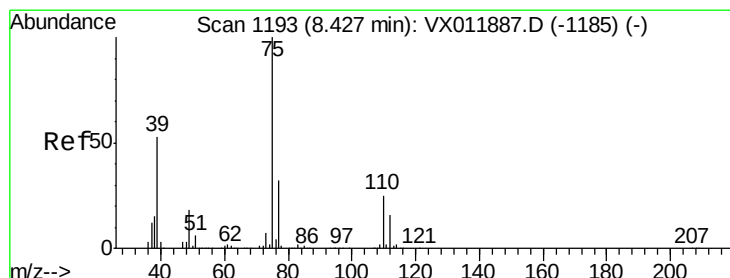
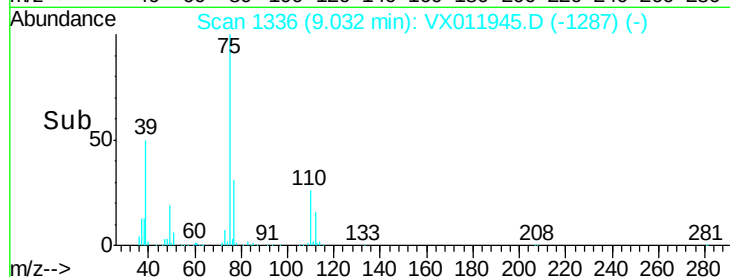
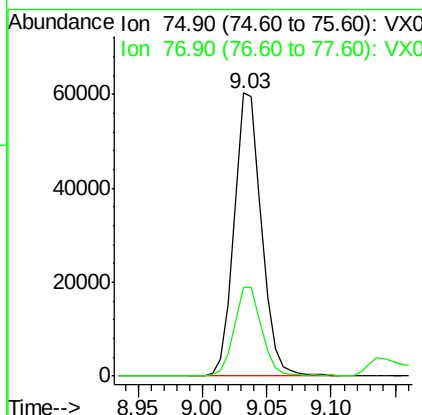
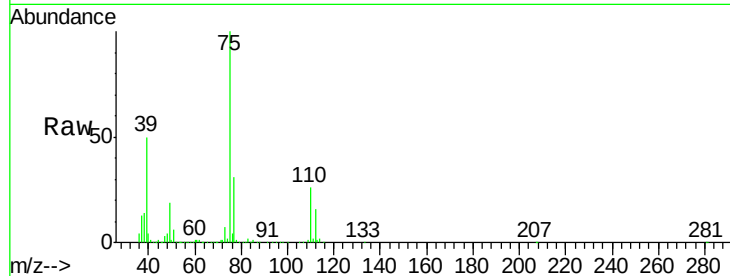
#53
t-1,3-Dichloropropene
Concen: 19.924 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.6	38.4

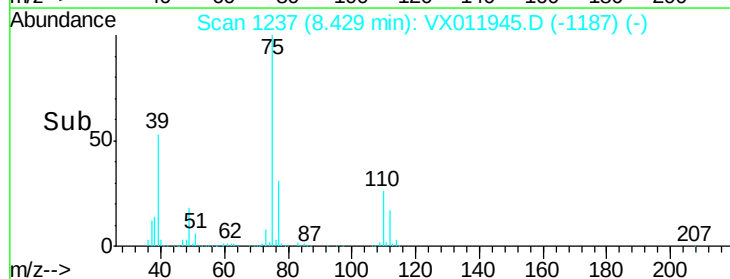
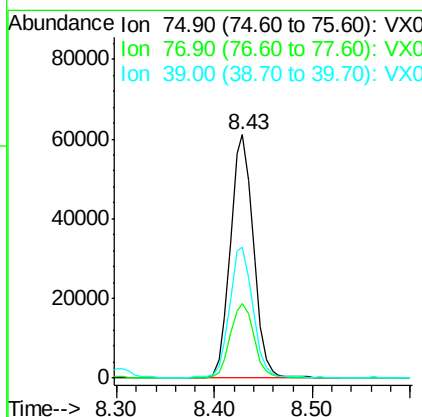
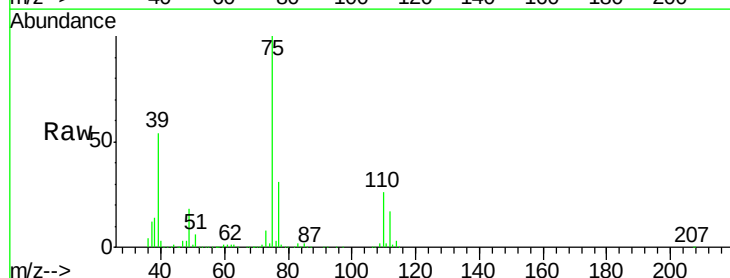
Manual Integrations
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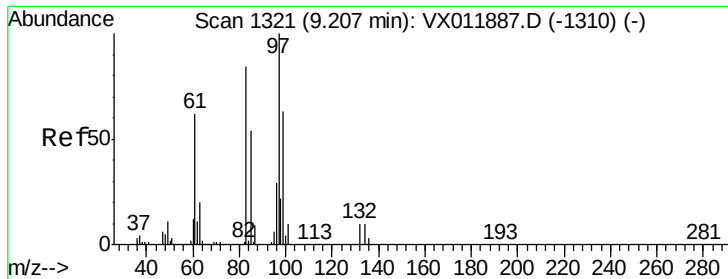
sam
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#54
cis-1,3-Dichloropropene
Concen: 19.910 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.5	38.3
39	53.4	42.6	64.0





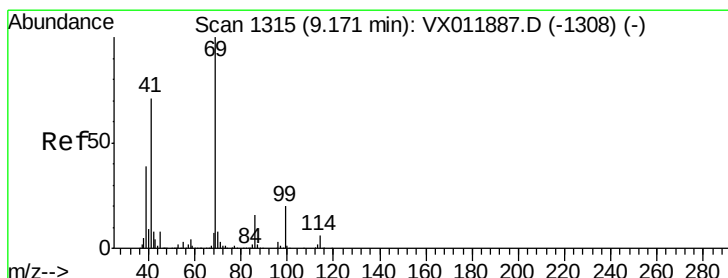
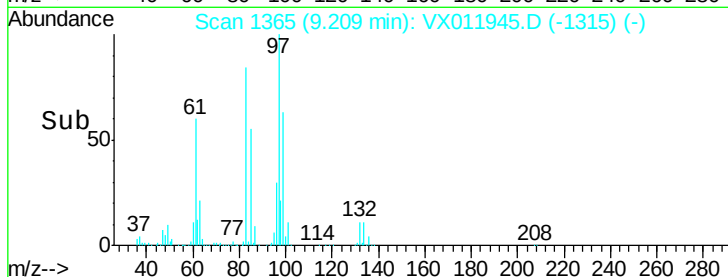
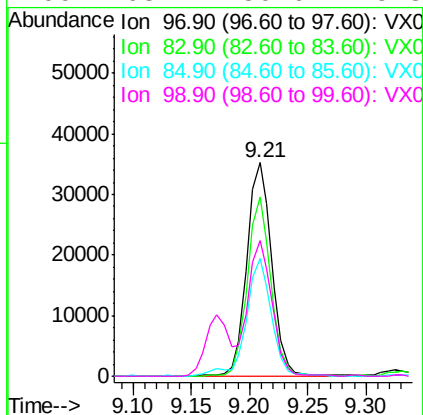
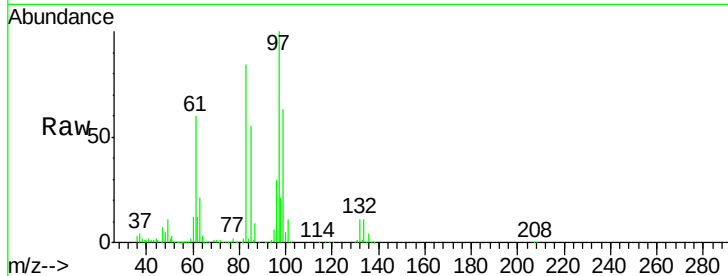
#55
 1,1,2-Trichloroethane
 Concen: 20.299 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Tot Ion:	97	Resp:	52434
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.8	100.2
85	55.0	43.5	65.3
99	63.2	50.6	75.8

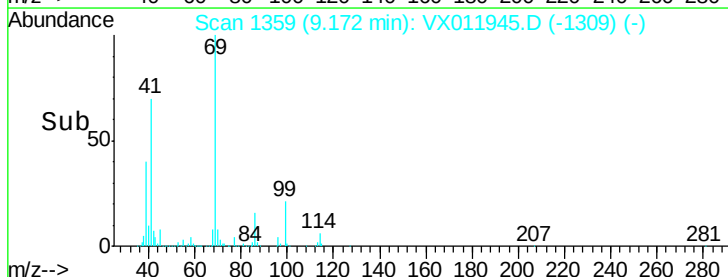
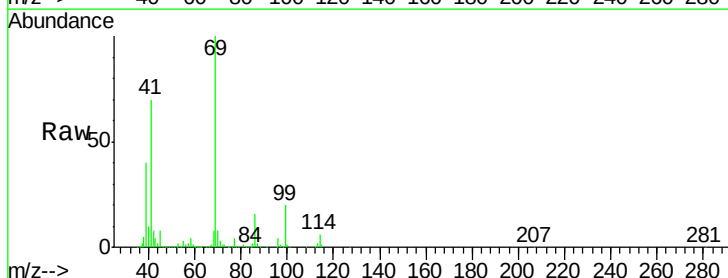
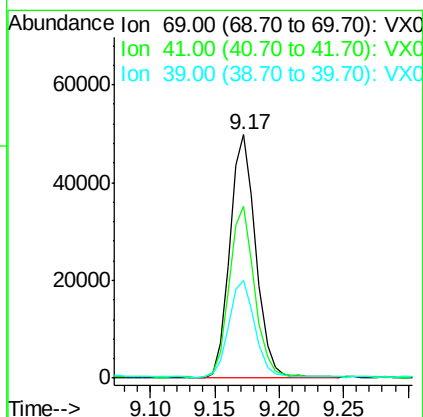
Manual Integrations
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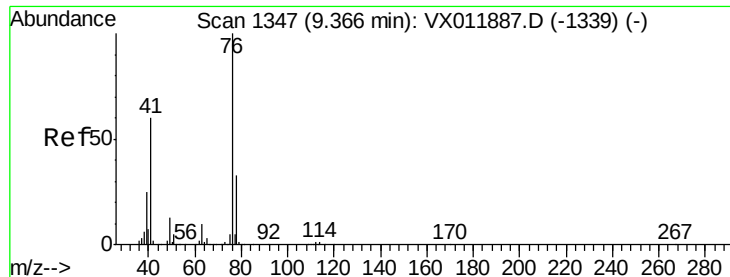
sam
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#56
 Ethyl methacrylate
 Concen: 19.654 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Tgt Ion:	69	Resp:	70460
Ion	Ratio	Lower	Upper
69	100		
41	68.6	55.8	83.8
39	40.5	31.1	46.7





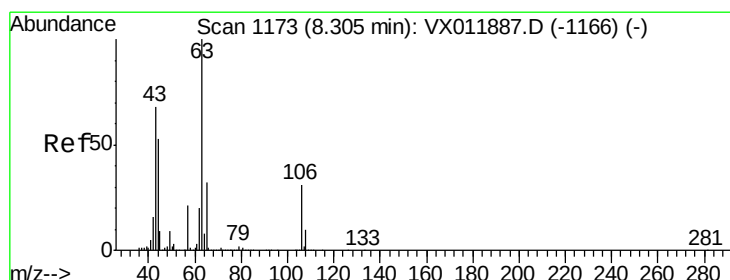
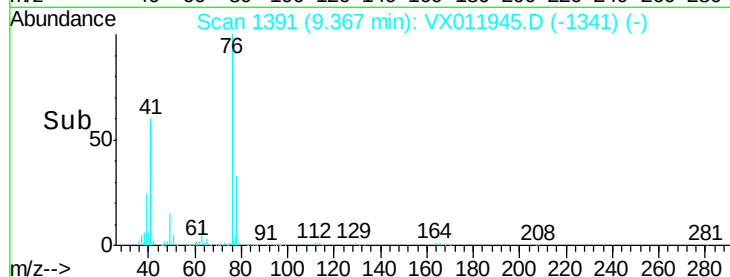
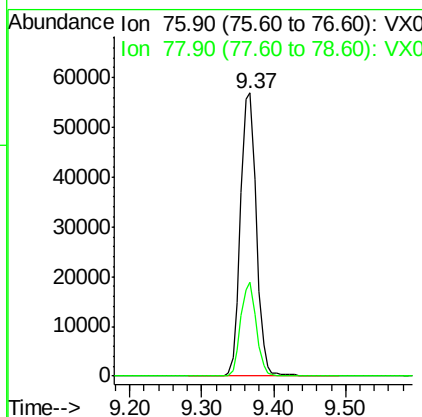
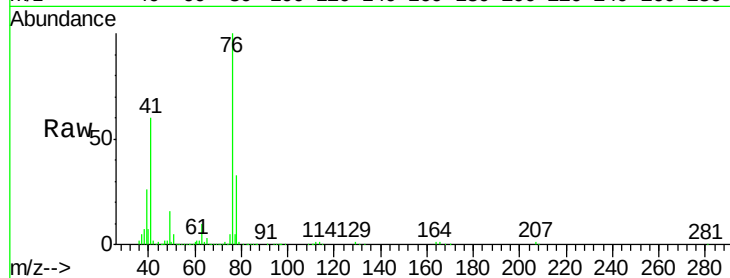
#57
 1,3-Dichloropropane
 Concen: 20.230 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Tot Ion: 76 Resp: 86735
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.4 39.6

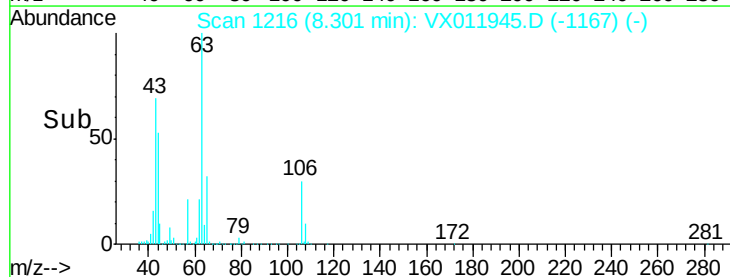
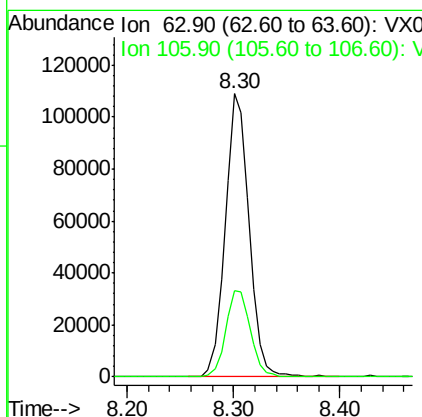
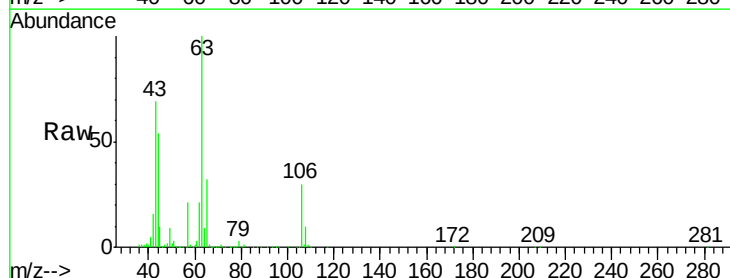
Manual Integrations
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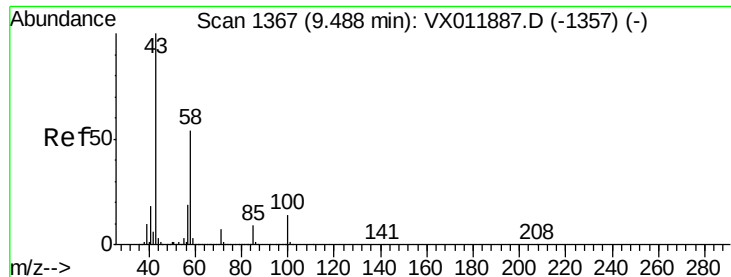
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 99.653 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Tgt Ion: 63 Resp: 170159
 Ion Ratio Lower Upper
 63 100
 106 31.8 24.8 37.2





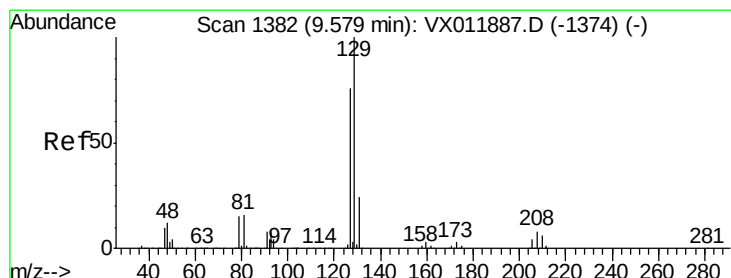
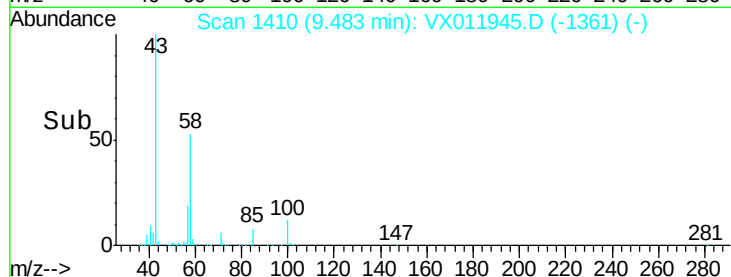
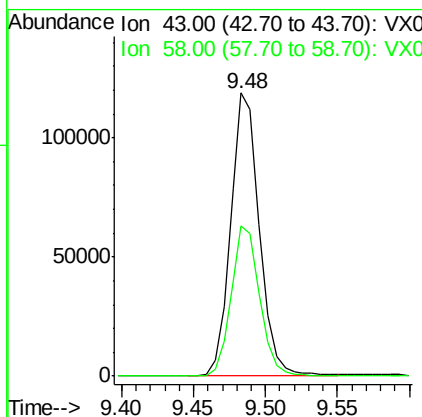
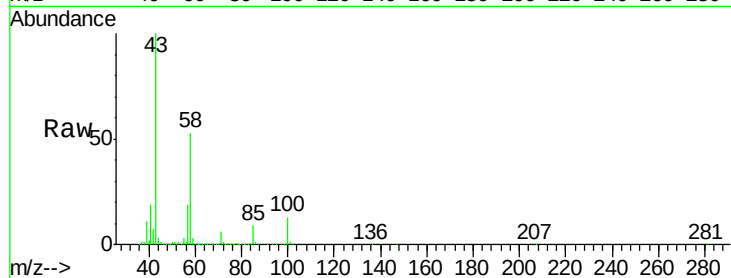
#59
2-Hexanone
Concen: 99.641 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.8	80.4

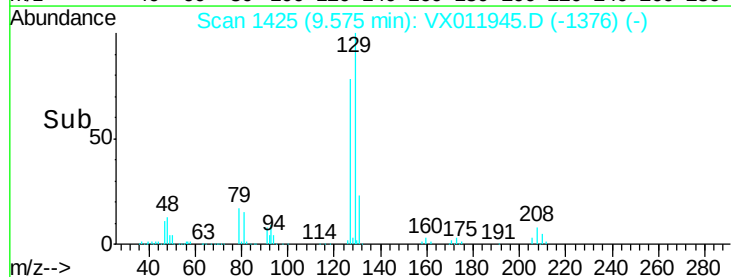
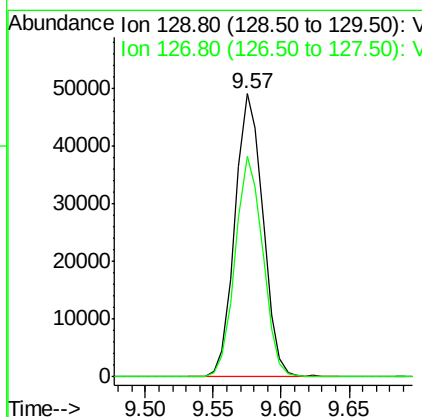
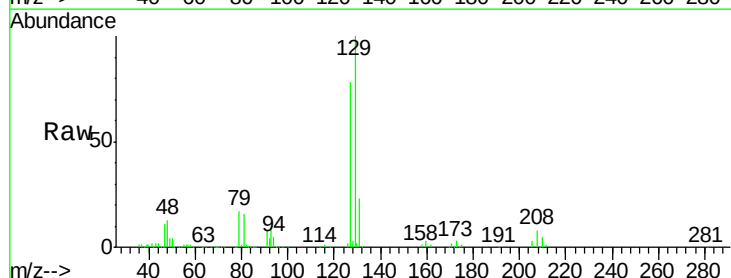
Manual Integrations
APPROVED

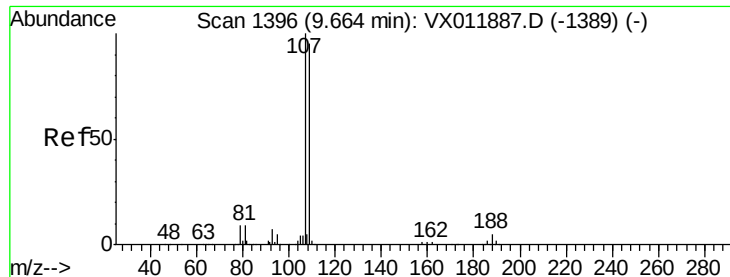
sam
9/3/2019 12:52:19 PM



#60
Dibromochloromethane
Concen: 20.347 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.7





#61

1,2-Dibromoethane

Concen: 20.389 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion:107 Resp: 52217

Ion Ratio Lower Upper

107 100

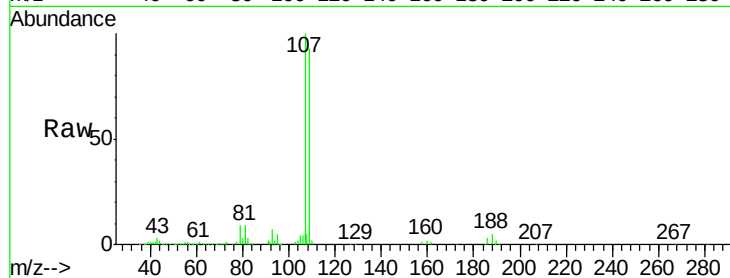
109 91.7 75.3 112.9

Manual Integrations

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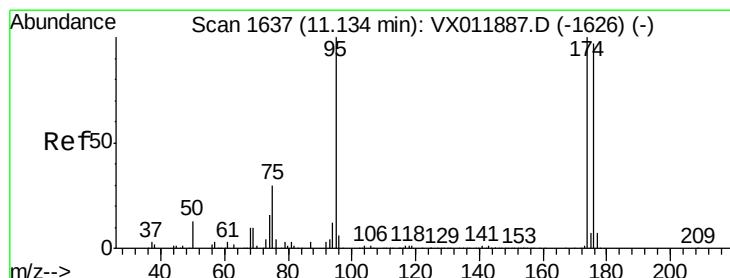
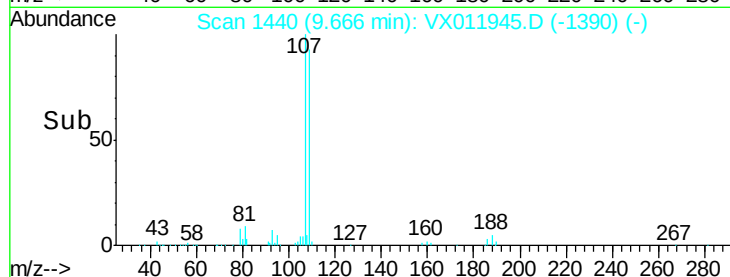
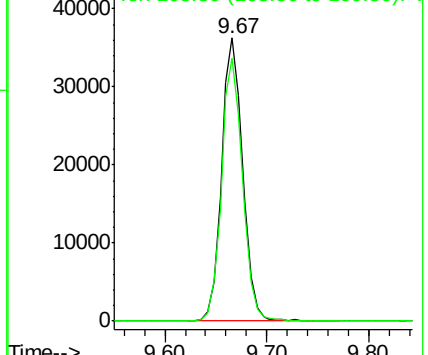
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.999 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

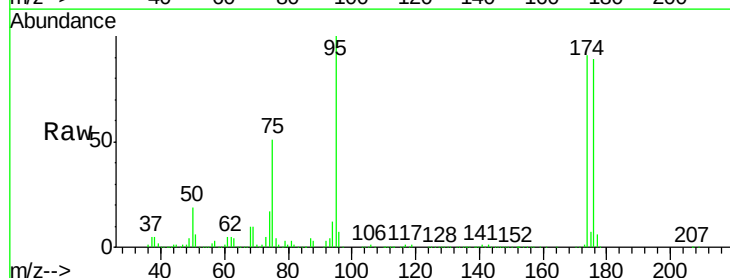
Tgt Ion: 95 Resp: 231974

Ion Ratio Lower Upper

95 100

174 100.3 0.0 196.0

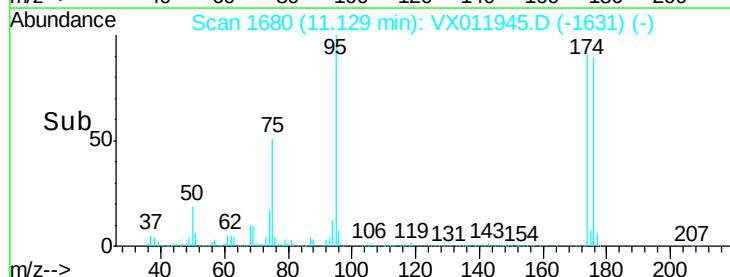
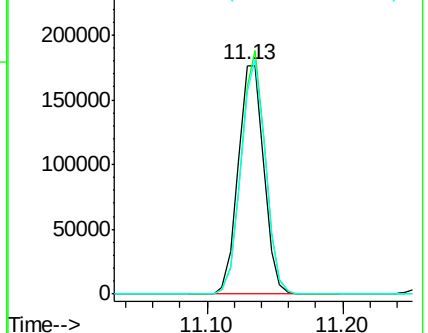
176 97.8 0.0 191.4

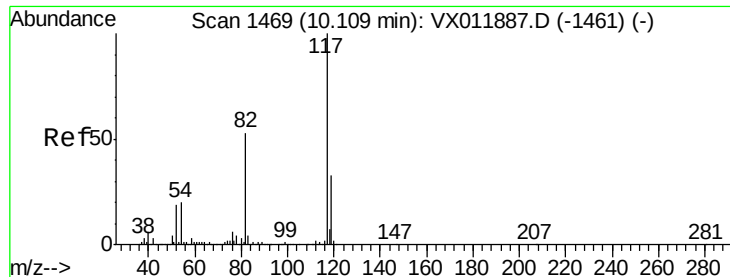


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





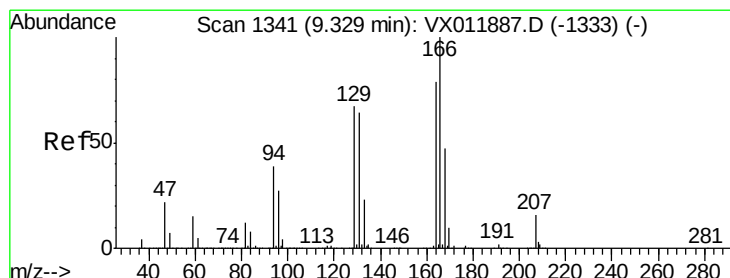
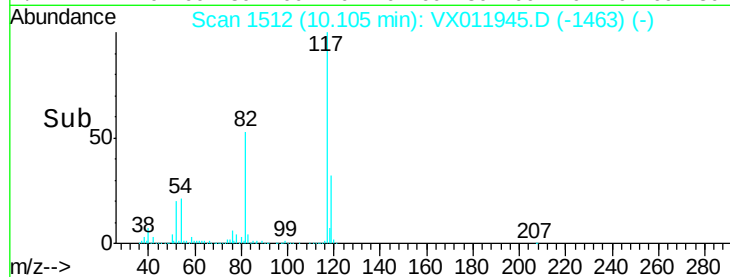
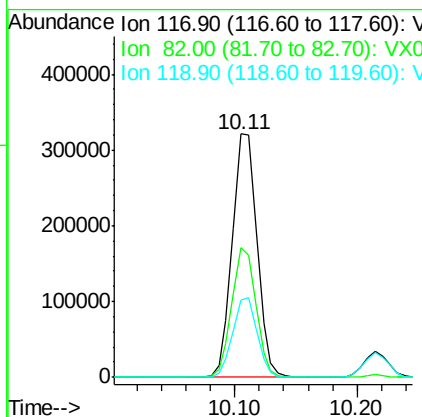
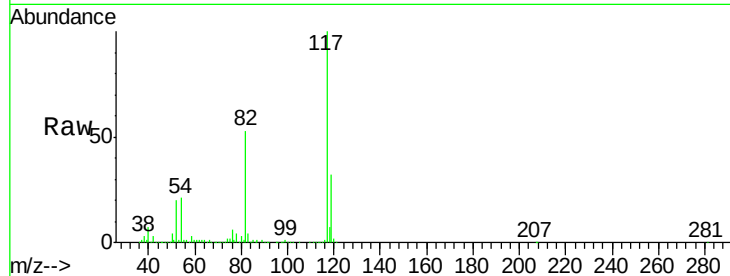
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	448524		
82	53.5	42.0	63.0	
119	31.7	26.2	39.4	

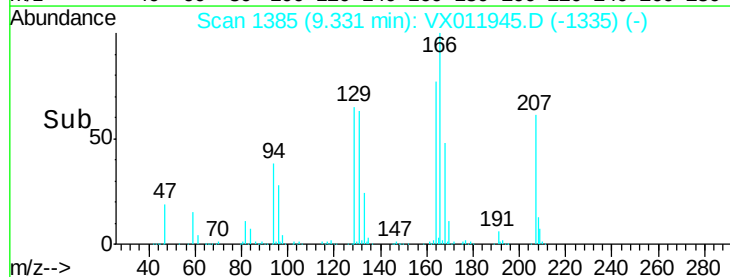
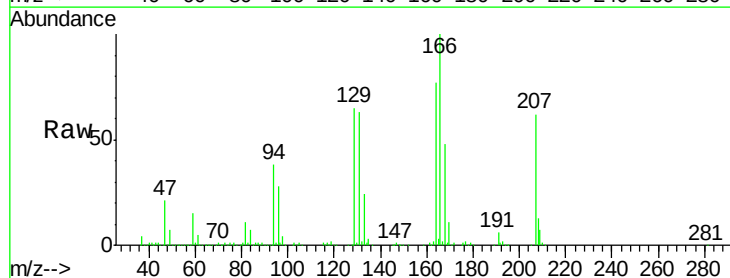
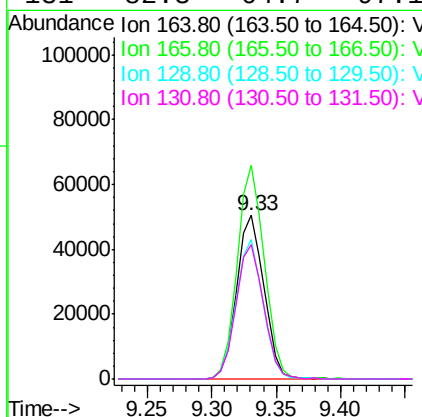
Manual Integrations
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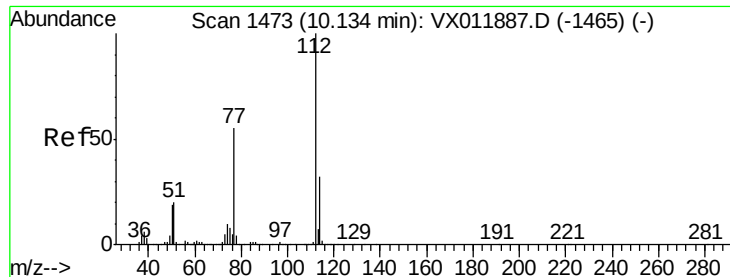
sam
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#64
Tetrachloroethene
Concen: 20.636 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74451		
166	130.6	101.4	152.0	
129	85.4	68.0	102.0	
131	82.3	64.7	97.1	





#65

Chlorobenzene

Concen: 20.669 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

VX0831SBS01

Tot Ion:112 Resp: 179647

Ion Ratio Lower Upper

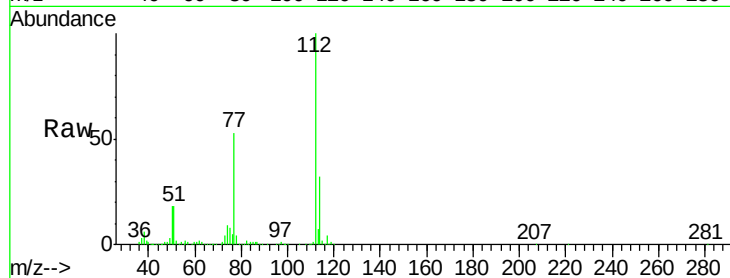
112 100

114 32.5 25.9 38.9

Manual Integrations
APPROVED

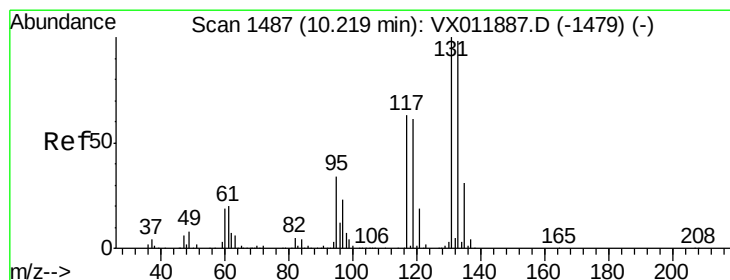
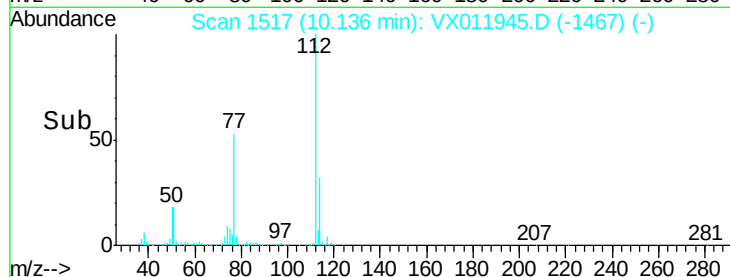
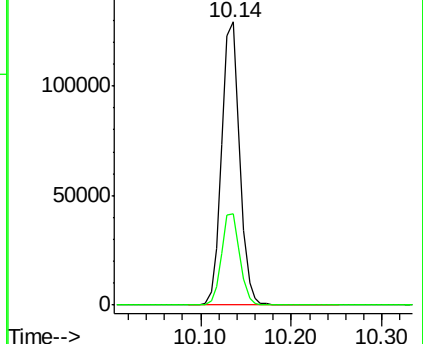
sam

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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: 20.722 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

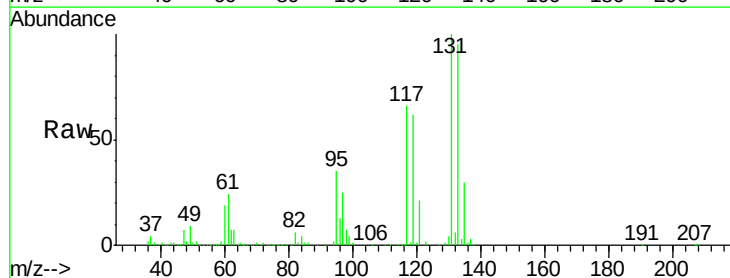
Tgt Ion:131 Resp: 72833

Ion Ratio Lower Upper

131 100

133 95.7 48.4 145.0

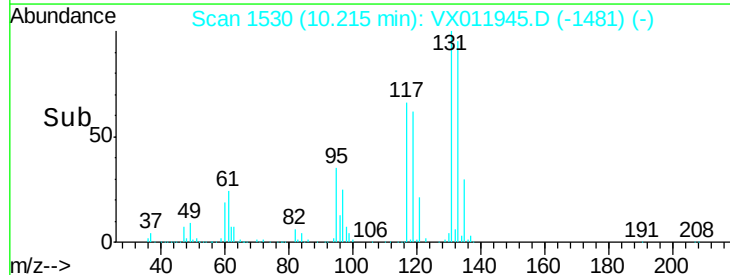
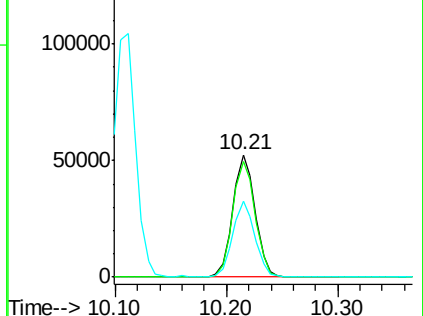
119 60.9 30.6 92.0

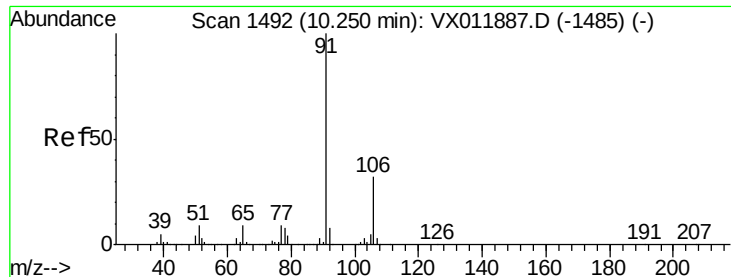


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





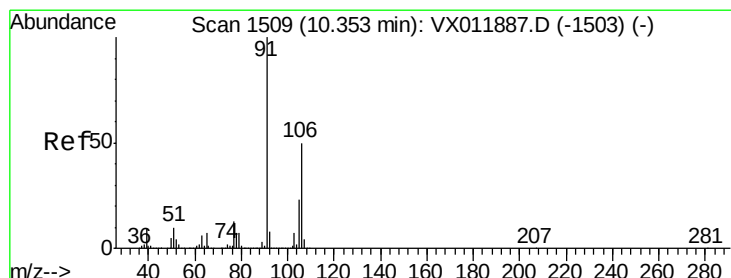
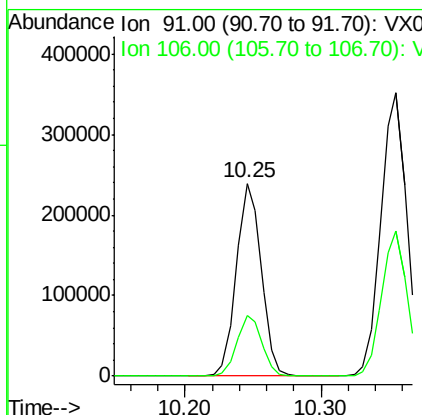
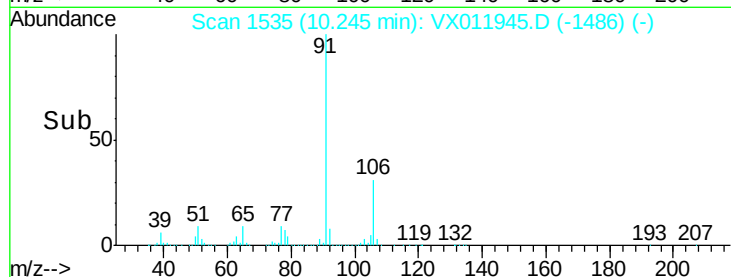
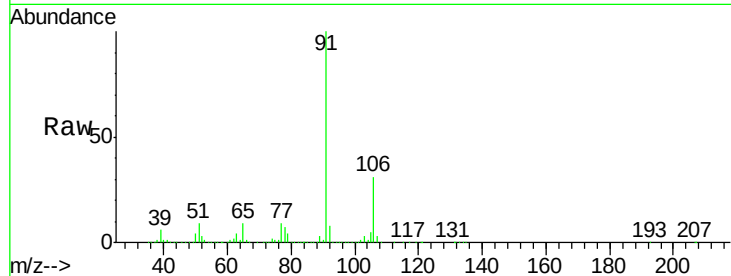
#67
Ethyl Benzene
Concen: 20.641 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampled :
VX0831SBS01

Tot Ion: 91 Resp: 305178
Ion Ratio Lower Upper
91 100
106 31.5 25.8 38.8

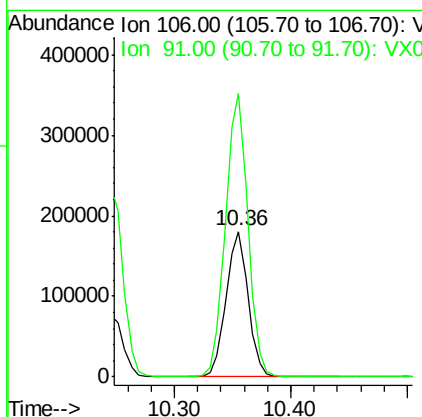
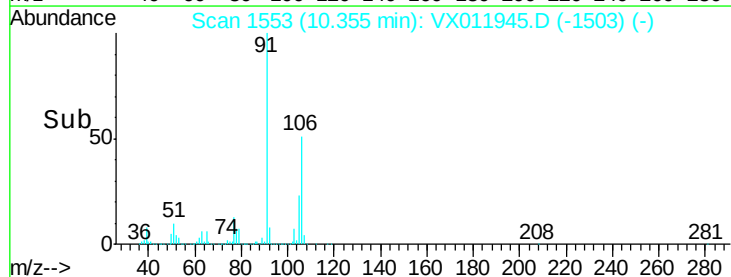
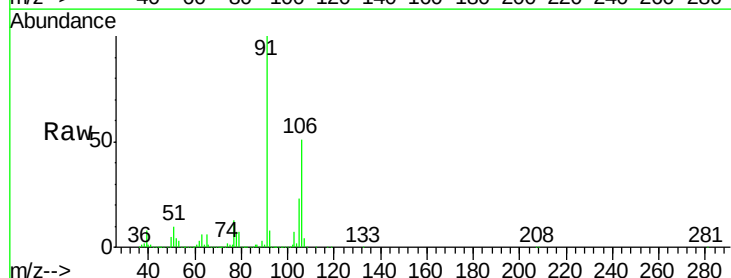
Manual Integrations
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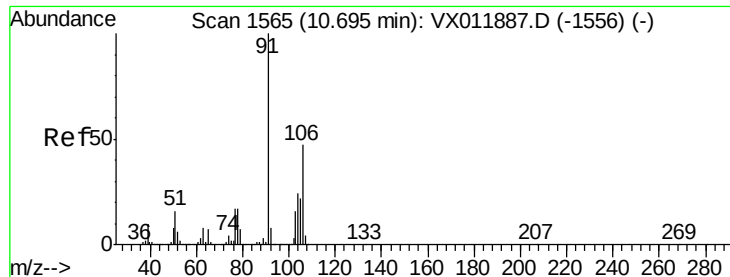
sam
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#68
m/p-Xylenes
Concen: 41.468 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion: 106 Resp: 236738
Ion Ratio Lower Upper
106 100
91 197.4 158.6 237.8





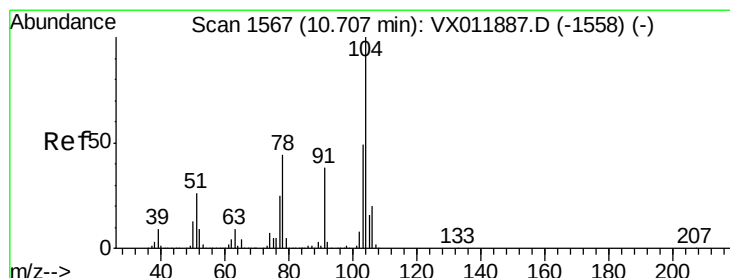
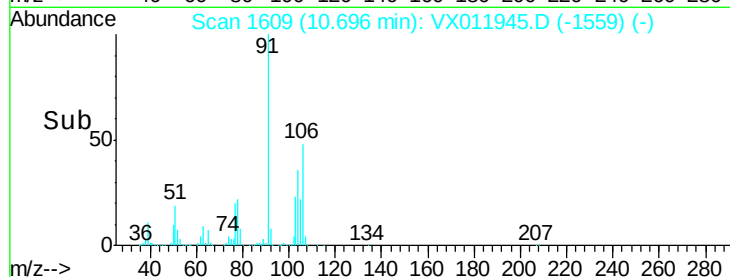
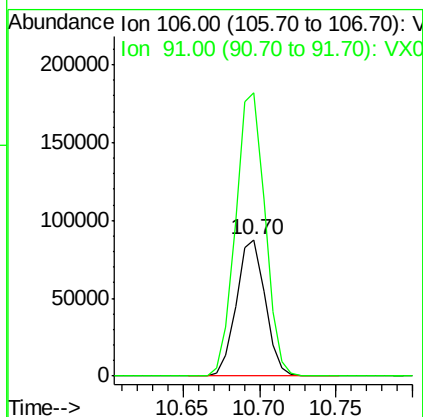
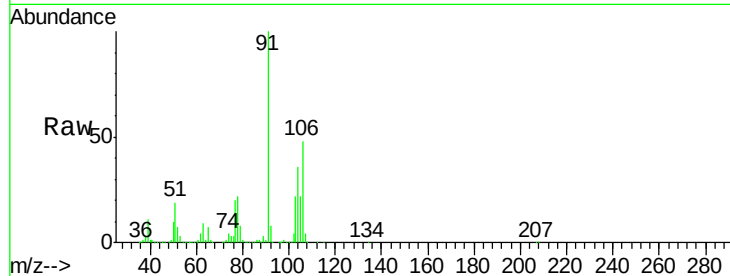
#69
o-Xylene
Concen: 20.625 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.8	104.8	314.6

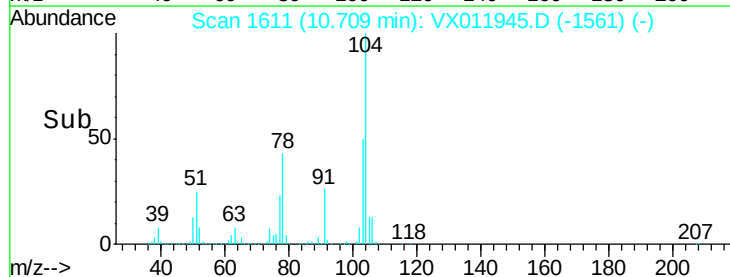
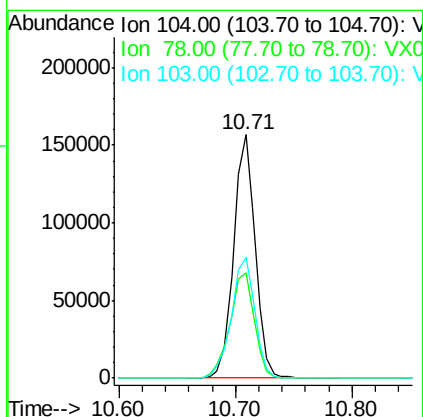
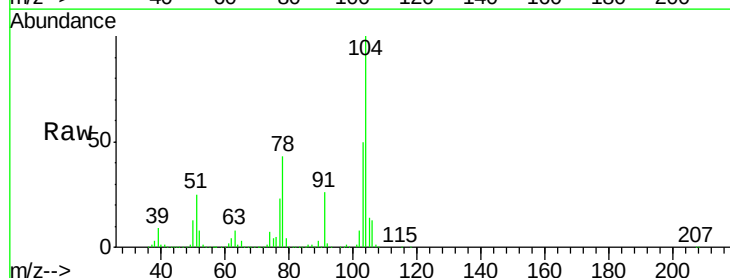
Manual Integrations
APPROVED

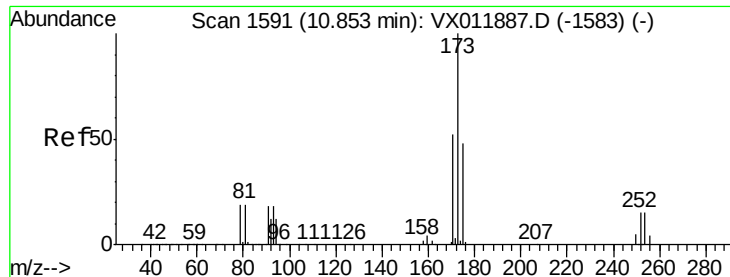
sam
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#70
Styrene
Concen: 20.644 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.2	58.8
103	54.5	43.0	64.6





#71

Bromoform

Concen: 20.181 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion:173 Resp: 50156

Ion Ratio Lower Upper

173 100

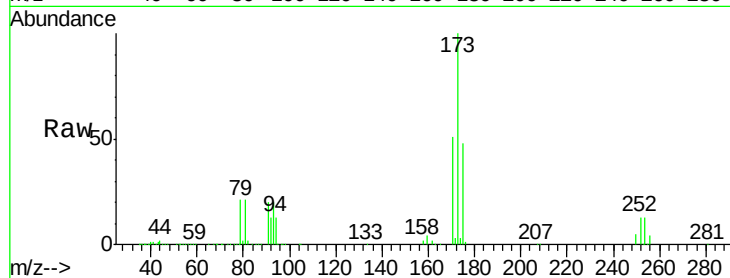
175 49.2 24.4 73.2

254 0.2 0.1 0.1#

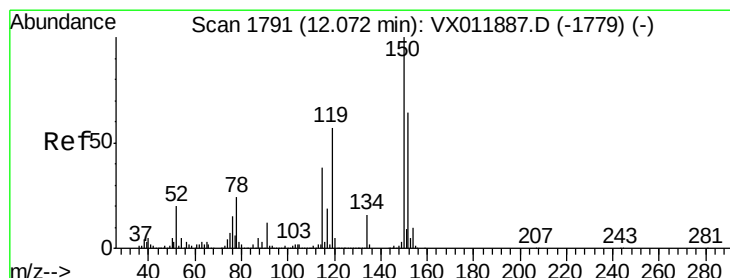
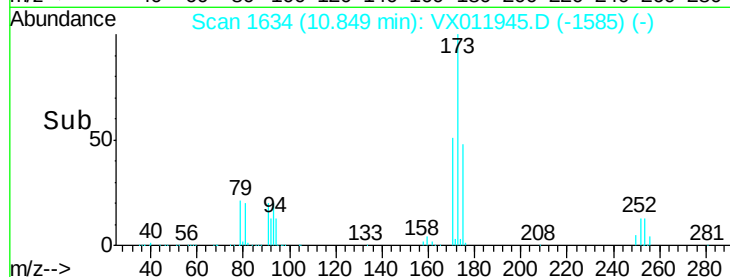
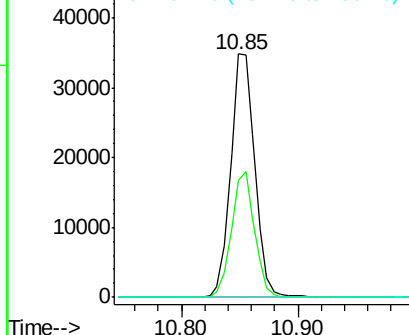
Manual Integrations
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sam

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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: VX011945.D

Acq: 31 Aug 2019 12:37

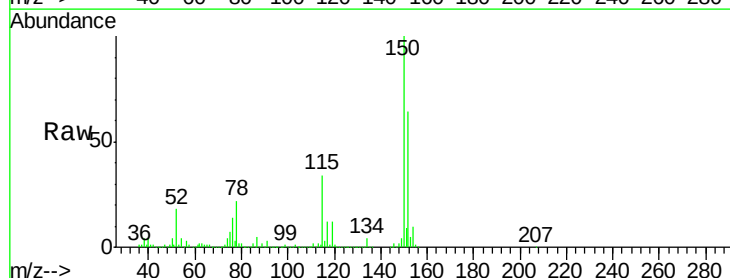
Tgt Ion:152 Resp: 269263

Ion Ratio Lower Upper

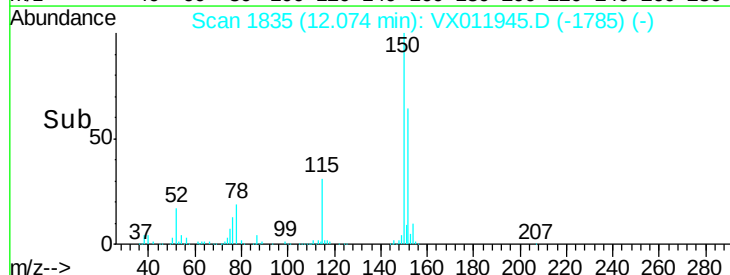
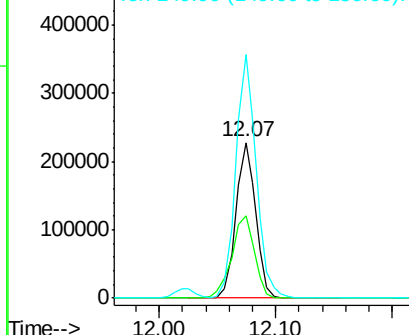
152 100

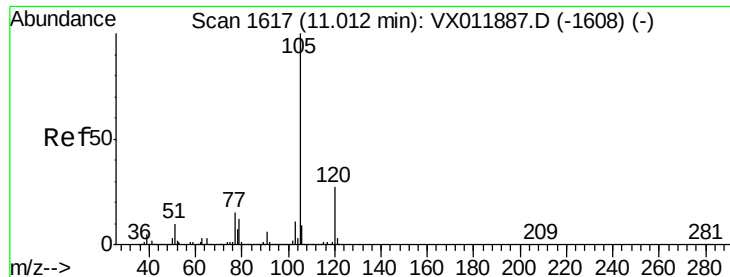
115 61.1 37.1 111.3

150 161.8 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: 20.390 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion: 105 Resp: 315458

Ion Ratio Lower Upper

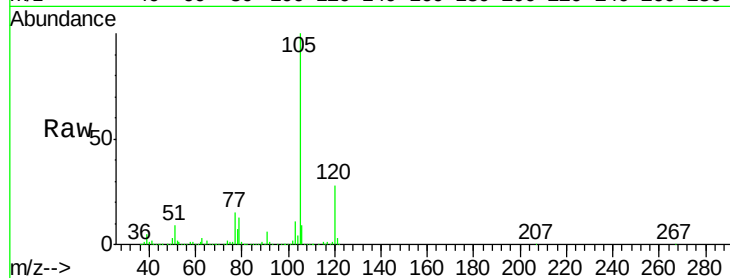
105 100

120 27.8 13.8 41.4

Manual Integrations
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sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

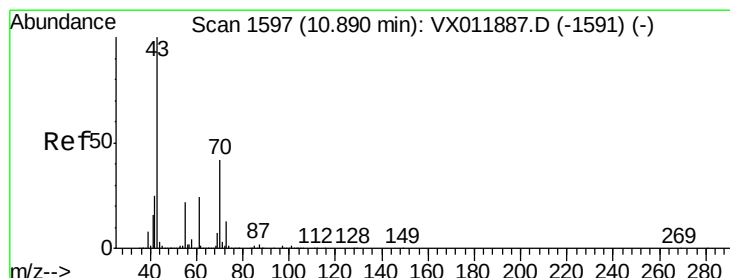
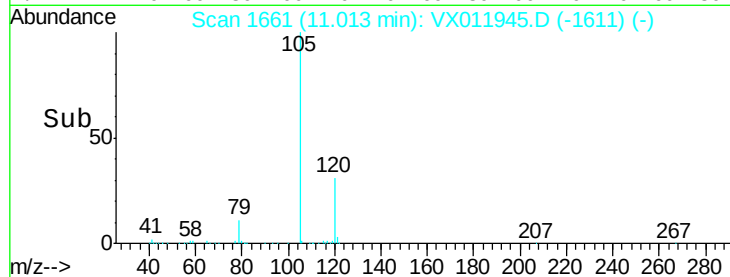
50000

0

11.01

11.10

Time-->



#74

N-ethyl acetate

Concen: 18.954 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Tgt Ion: 43 Resp: 87026

Ion Ratio Lower Upper

43 100

70 41.6 0.2 0.2#

55 22.8 0.1 0.1#

61 23.9 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

120000

100000

80000

60000

40000

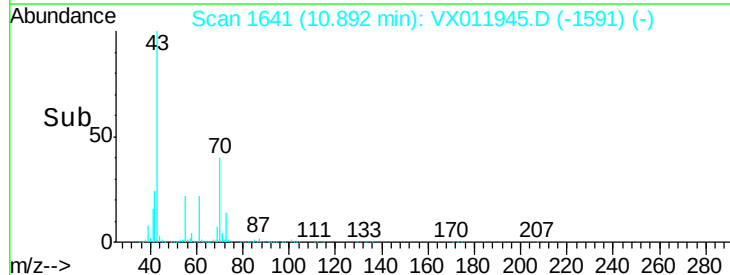
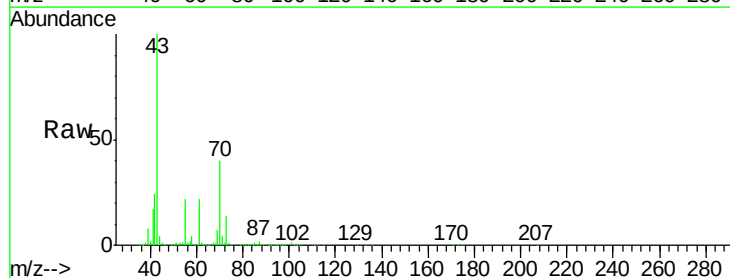
20000

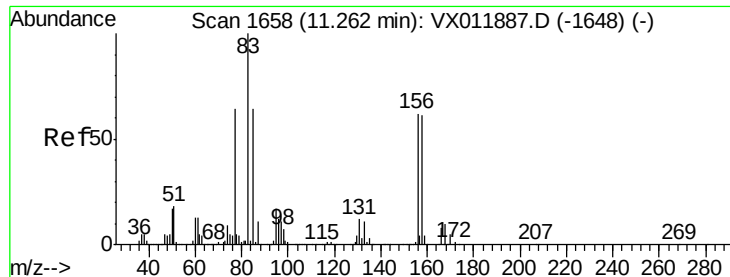
0

10.89

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.016 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

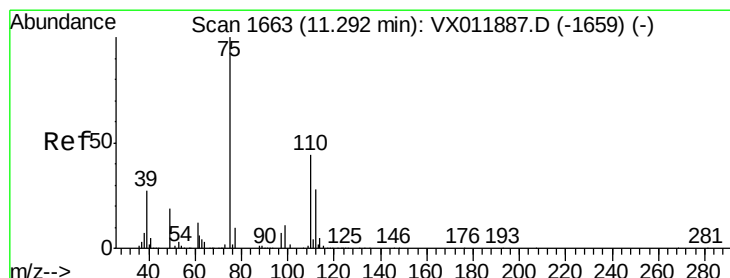
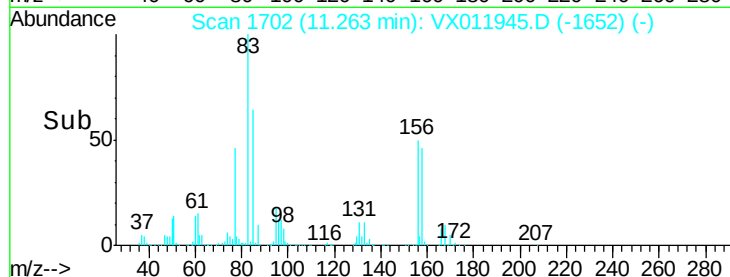
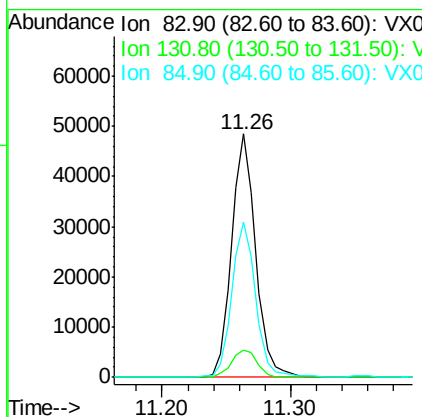
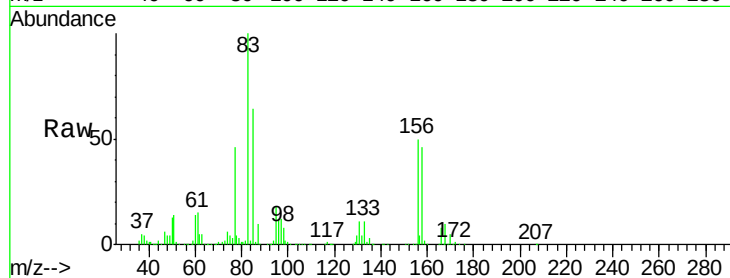
ClientSampleId :

VX0831SBS01

Tot Ion:	83	Resp:	63377
Ion Ratio	Lower	Upper	
83	100		
131	12.0	6.0	18.0
85	63.6	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.791 ug/l m

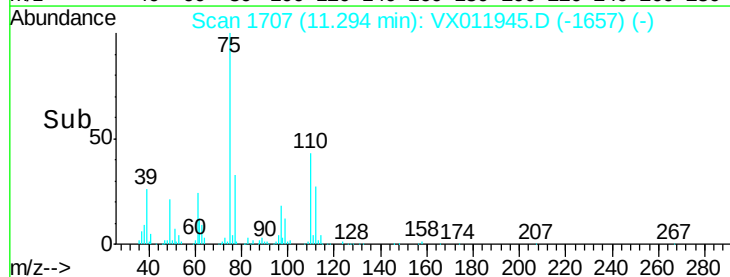
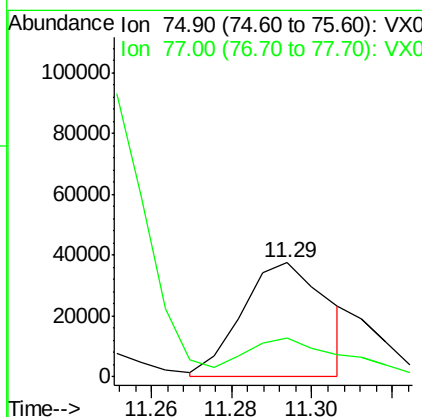
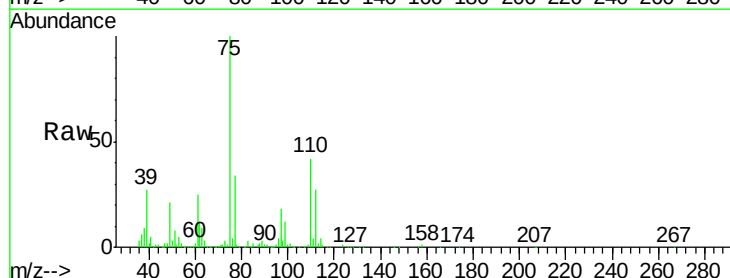
RT: 11.29 min Scan# 1707

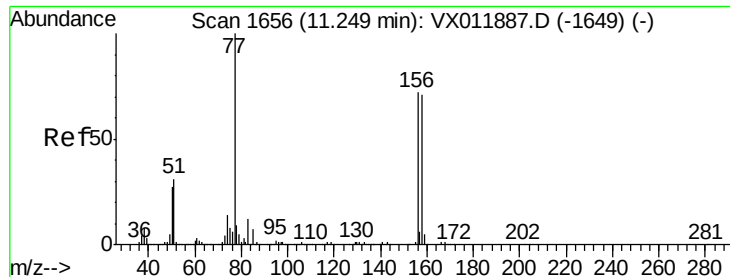
Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Tgt Ion:	75	Resp:	55070
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.9	62.7





#77

Bromobenzene

Concen: 20.269 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

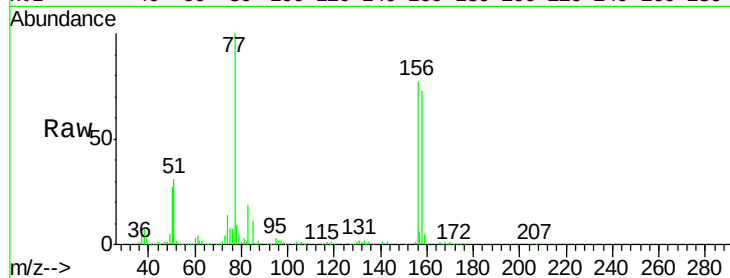
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.7	68.1	204.3
158	96.0	48.9	146.8

Manual Integrations
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sam

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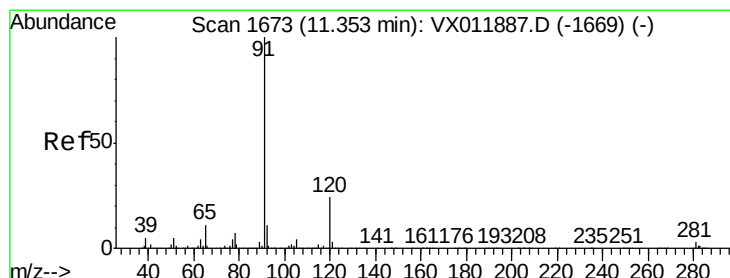
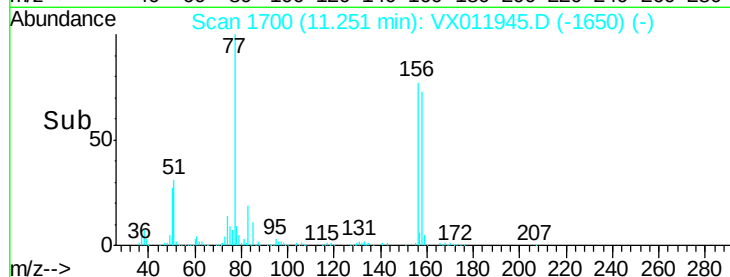
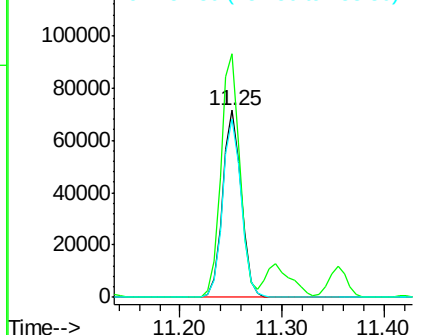


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.549 ug/l

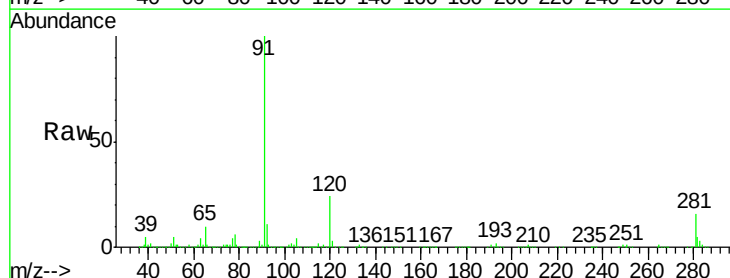
RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

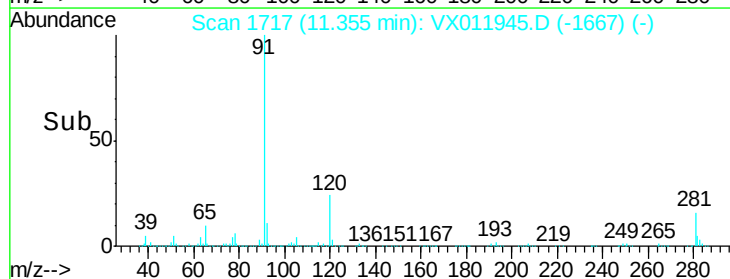
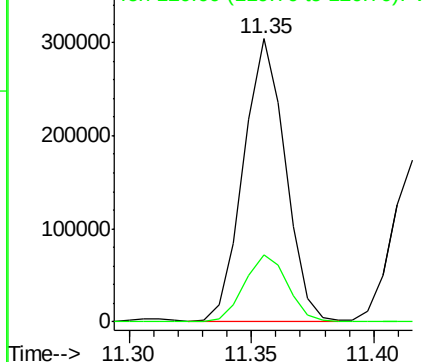
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.9

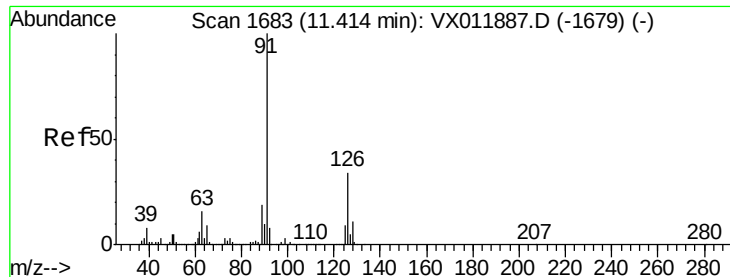


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





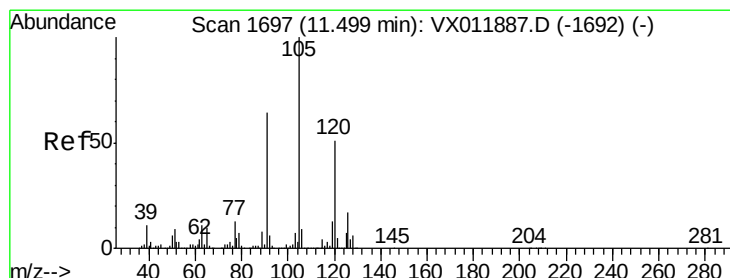
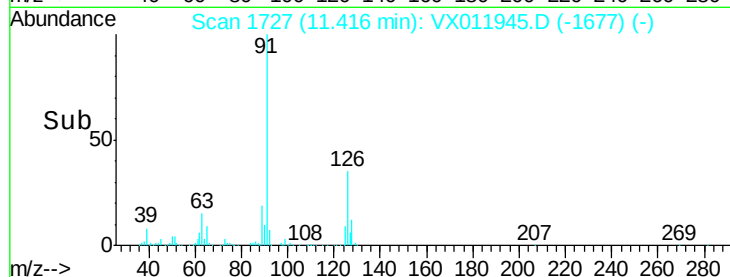
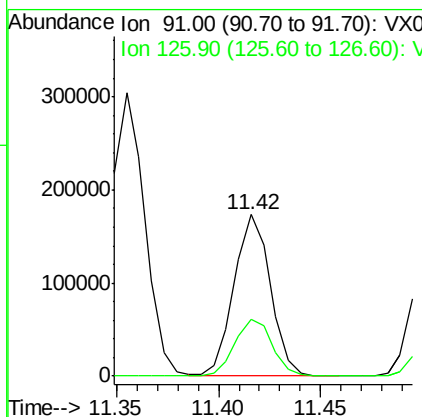
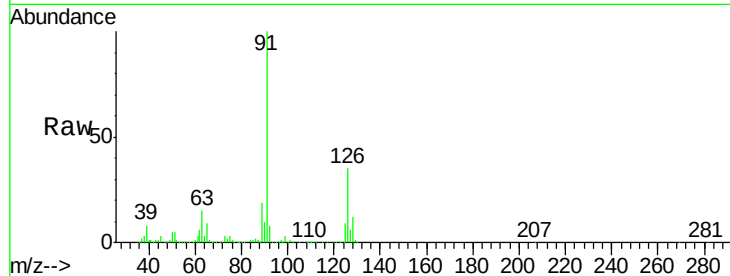
#79
 2-Chlorotoluene
 Concen: 20.236 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.6	17.9	53.8

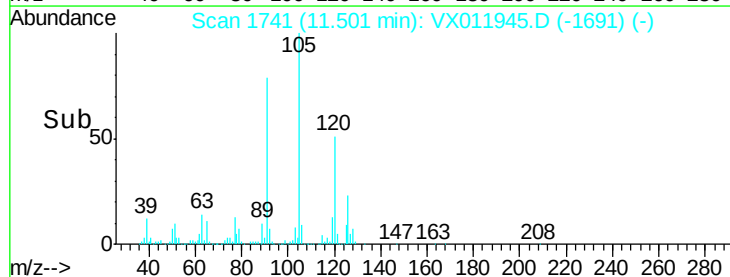
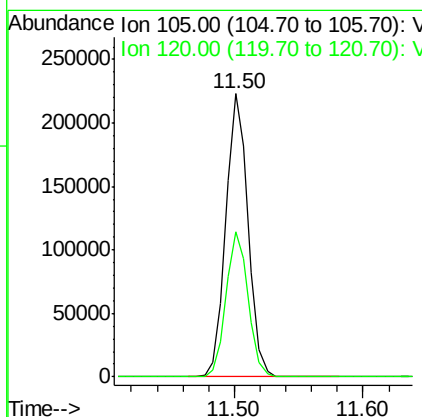
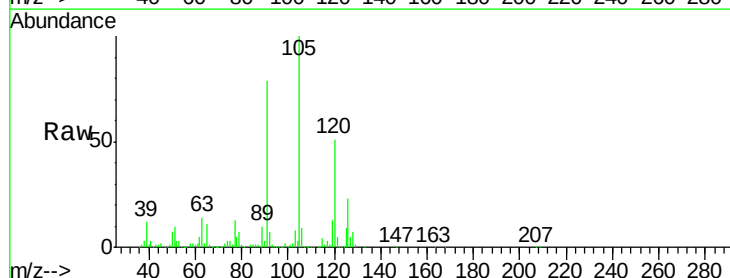
Manual Integrations
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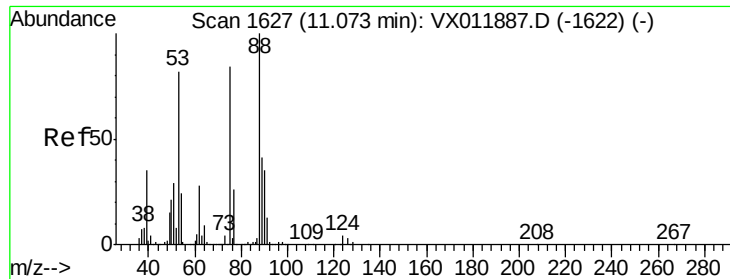
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.262 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.1	25.3	75.9





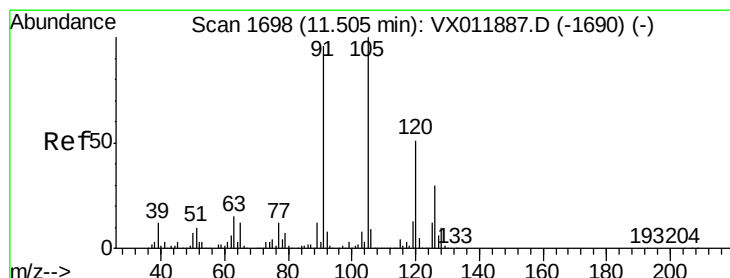
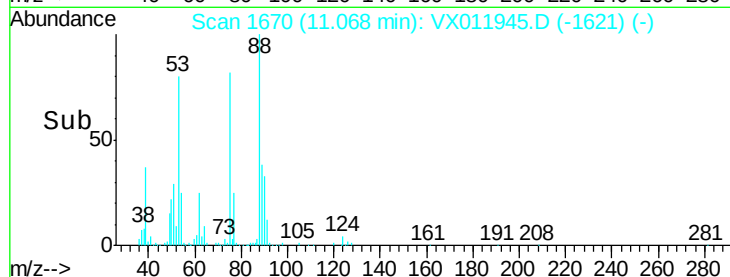
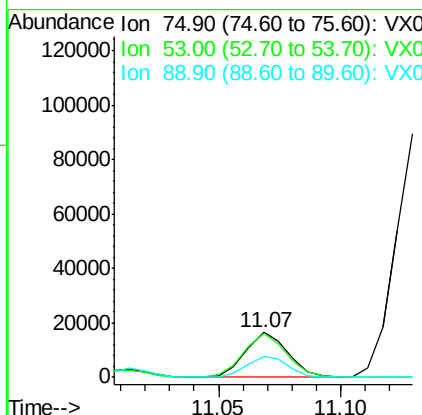
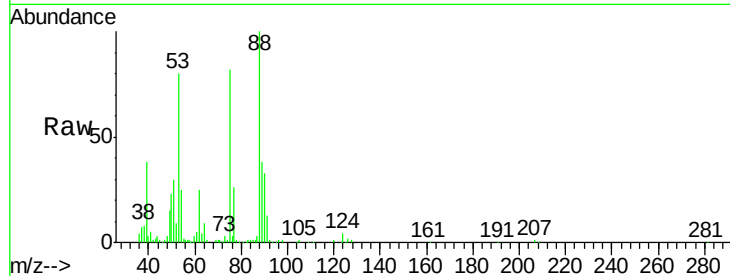
#81
trans-1,4-Dichloro-2-butene
Concen: 19.136 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.5	77.1	115.7
89	47.8	38.2	57.2

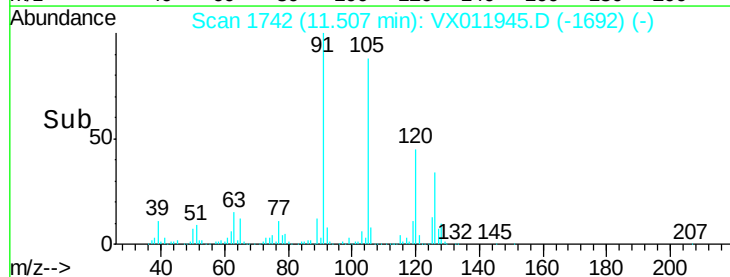
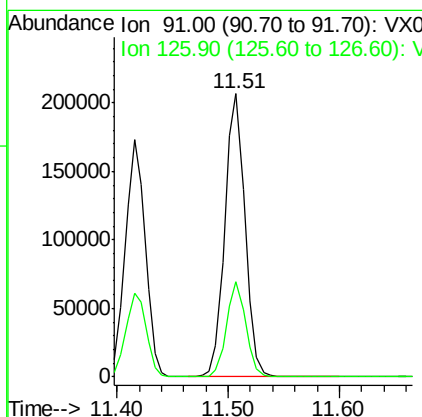
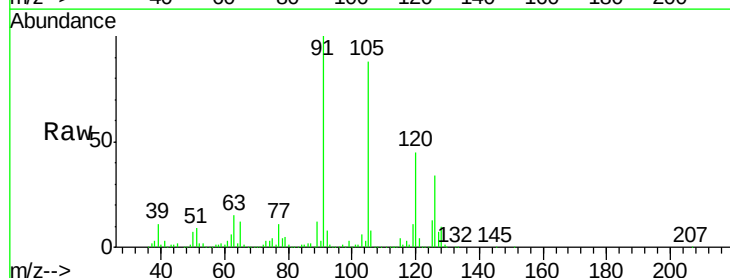
Manual Integrations
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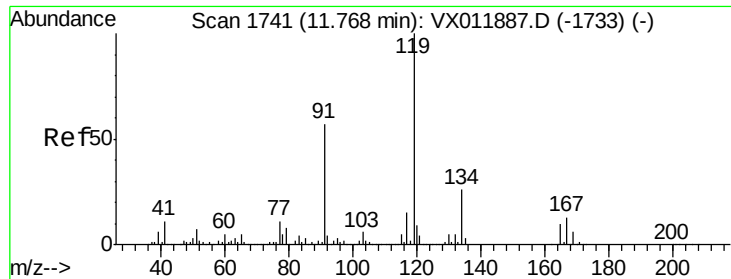
sam
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#82
4-Chlorotoluene
Concen: 20.216 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.9	47.6





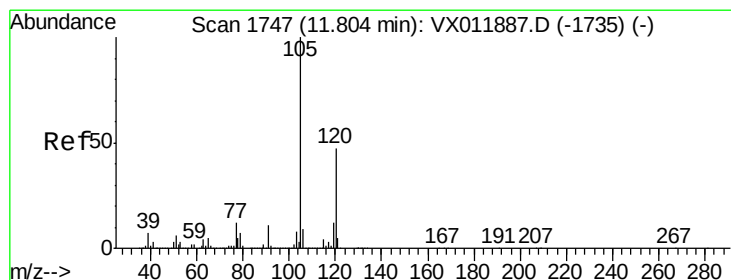
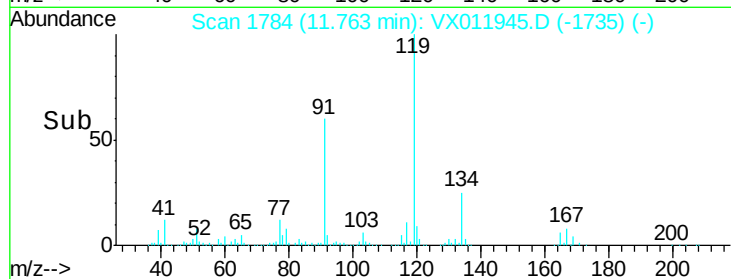
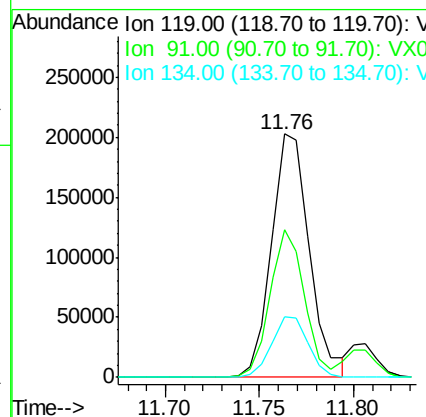
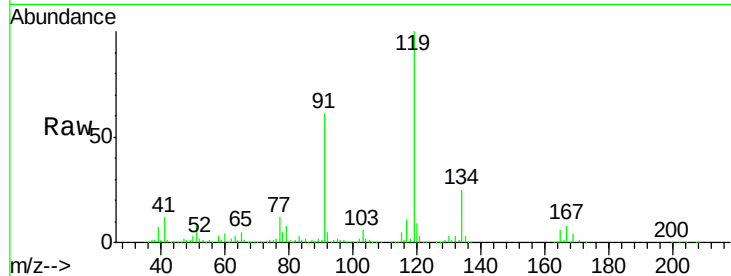
#83
 tert-Butylbenzene
 Concen: 20.859 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282640		
91	54.8	27.9	83.6	
134	24.1	12.3	36.8	

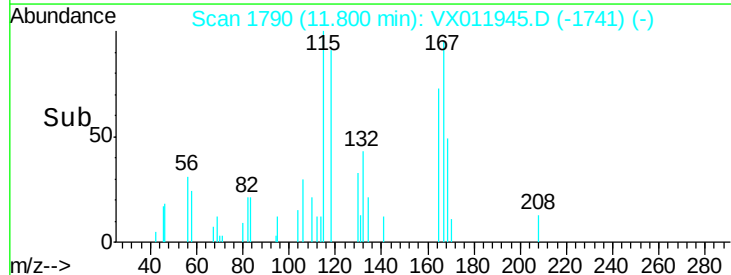
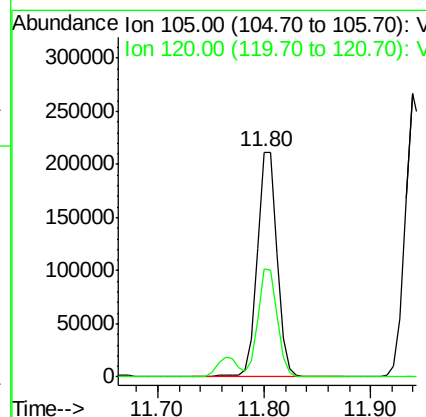
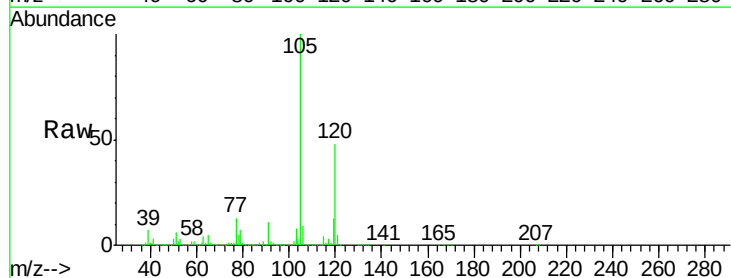
Manual Integrations
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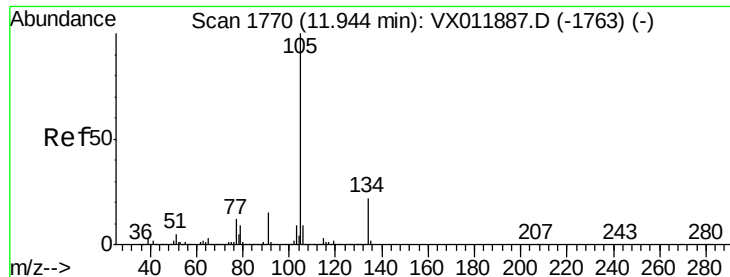
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.228 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	276836		
120	46.6	23.4	70.3	





#85

sec-Butylbenzene

Concen: 20.576 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion:105 Resp: 323838

Ion Ratio Lower Upper

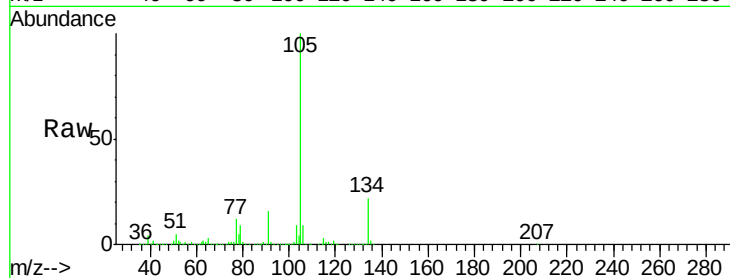
105 100

134 21.9 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

11.94

250000

200000

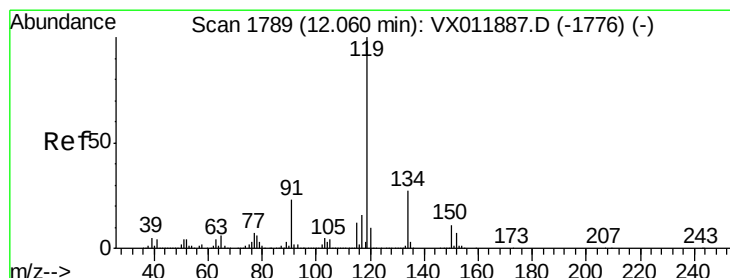
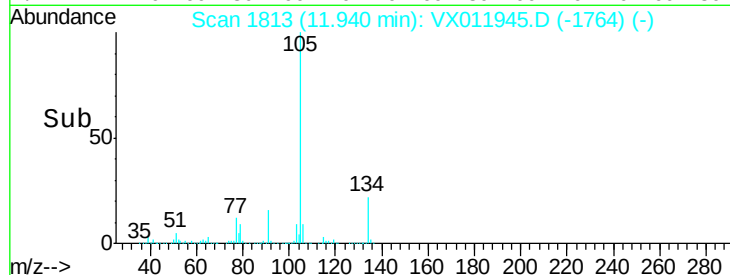
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.477 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

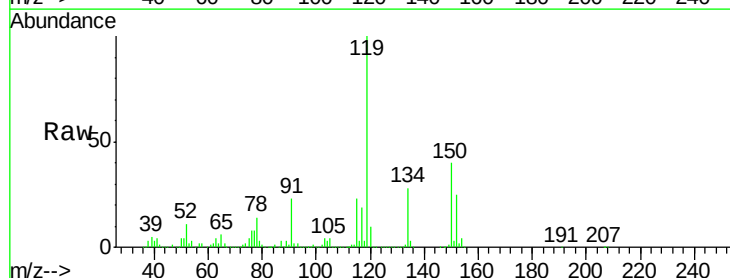
Tgt Ion:119 Resp: 312504

Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.0

91 23.6 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

12.06

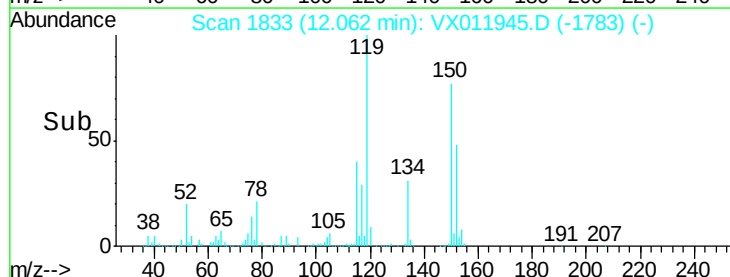
300000

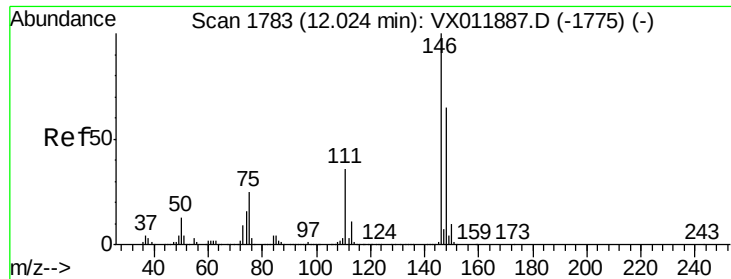
200000

100000

0

Time-->





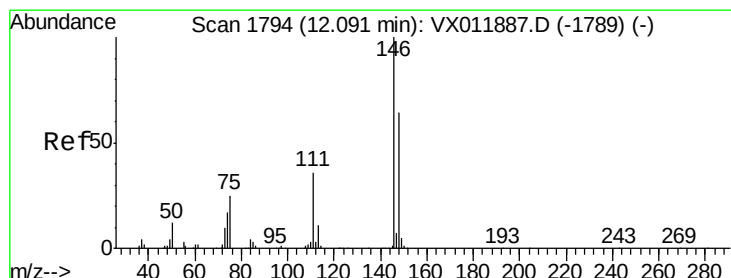
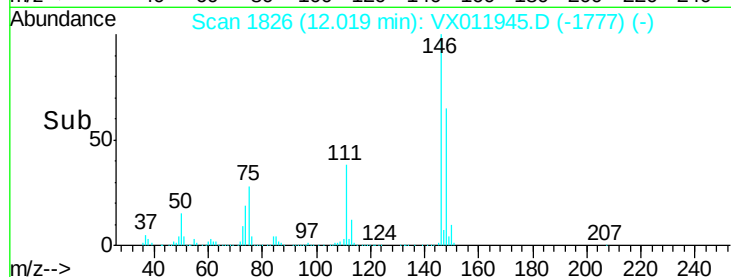
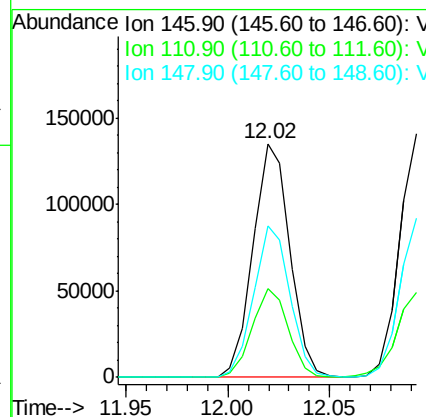
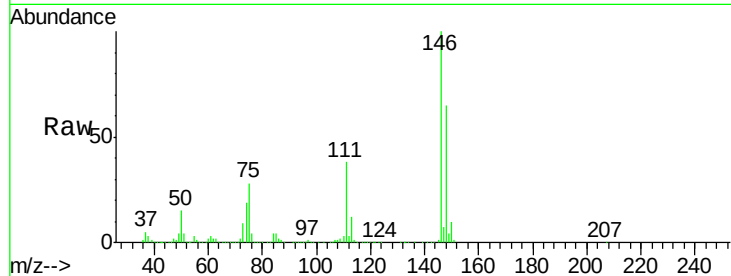
#87
 1,3-Dichlorobenzene
 Concen: 20.413 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.4	55.2
148	63.8	32.1	96.5

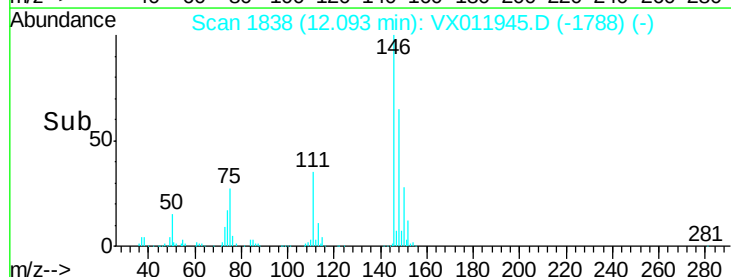
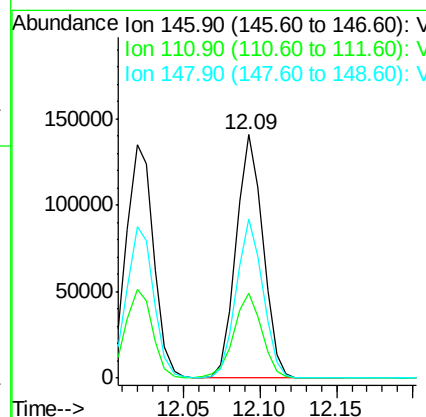
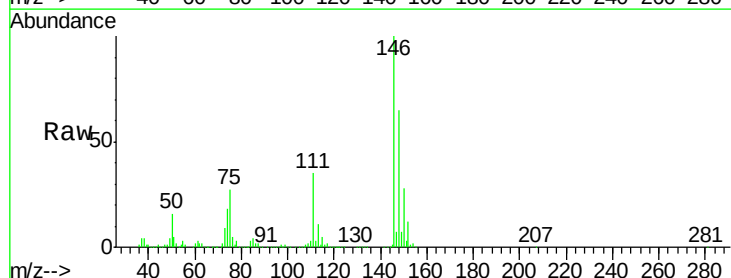
Manual Integrations
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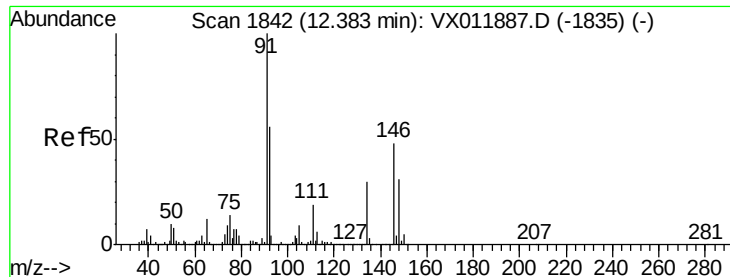
sam
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#88
 1,4-Dichlorobenzene
 Concen: 20.343 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.9	53.7
148	65.1	32.4	97.0





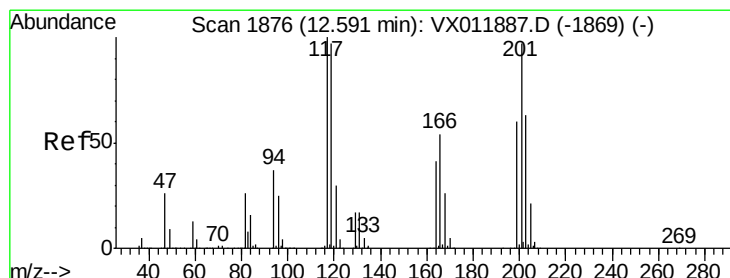
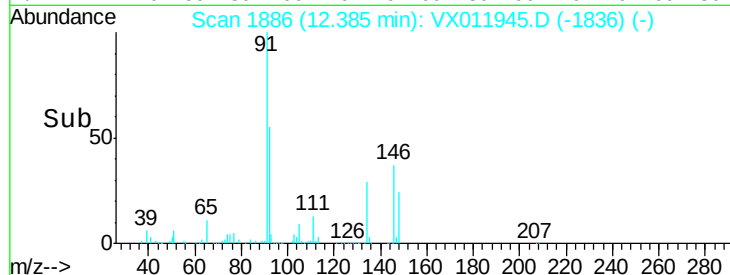
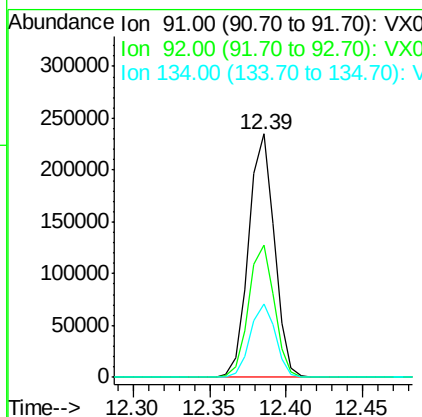
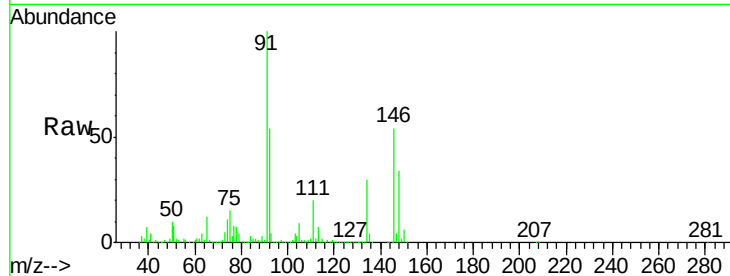
#89
n-Butylbenzene
Concen: 20.334 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.8
134	29.7	14.8	44.3

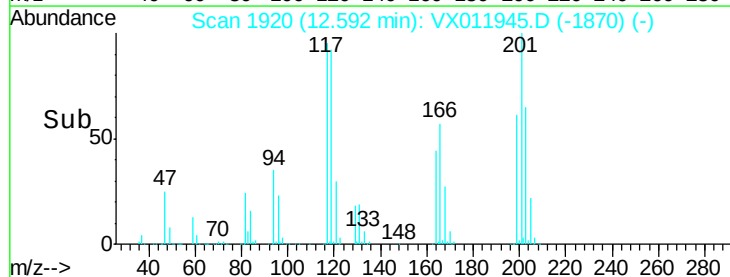
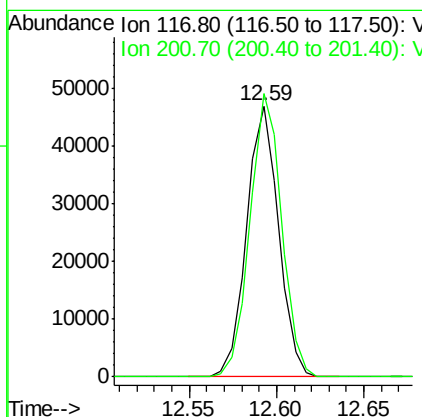
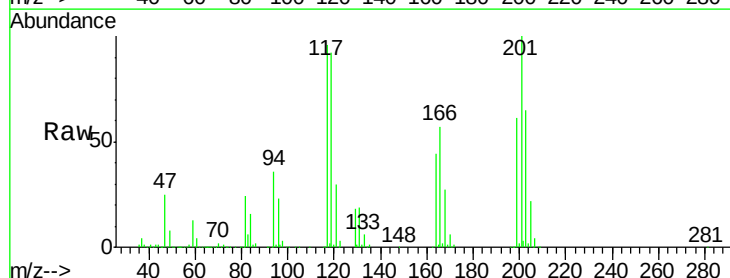
Manual Integrations
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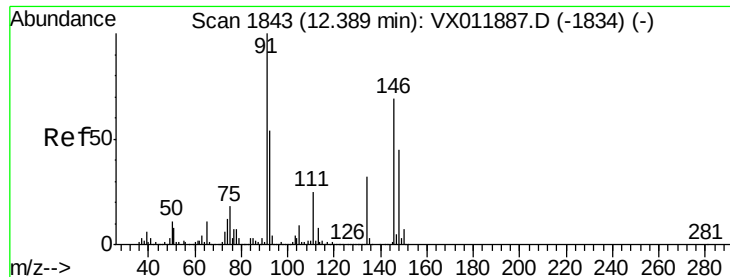
Sam
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#90
Hexachloroethane
Concen: 20.144 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011945.D
Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.0	52.8	158.5





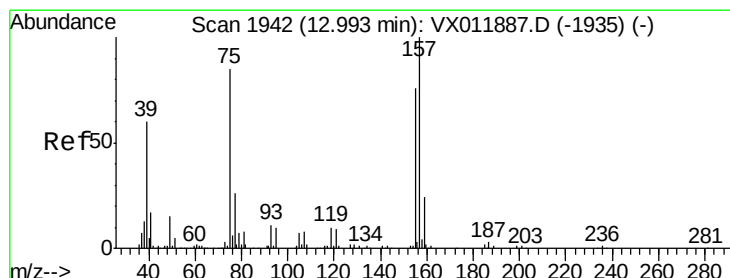
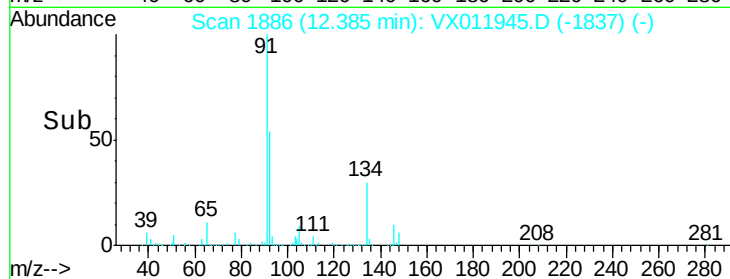
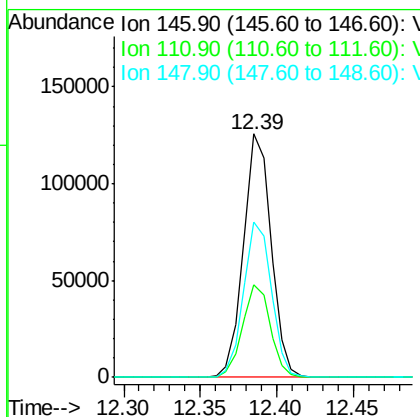
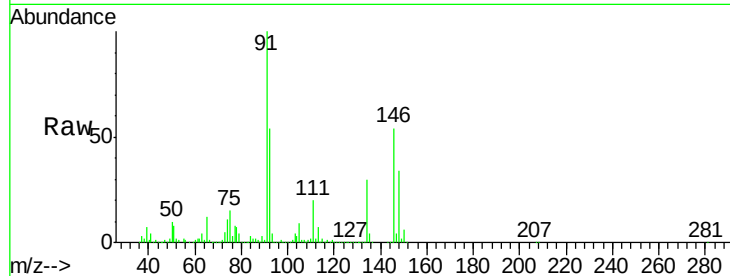
#91
 1,2-Dichlorobenzene
 Concen: 20.393 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	158109		
111	38.3	18.9	56.5	
148	65.0	32.1	96.3	

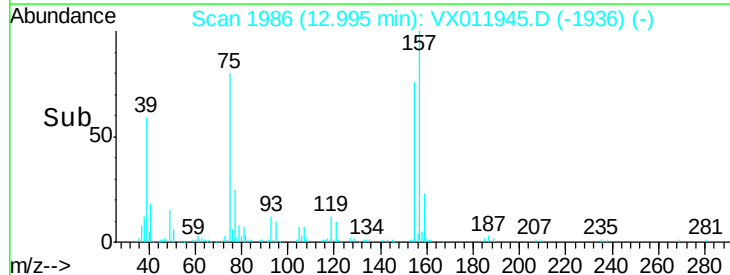
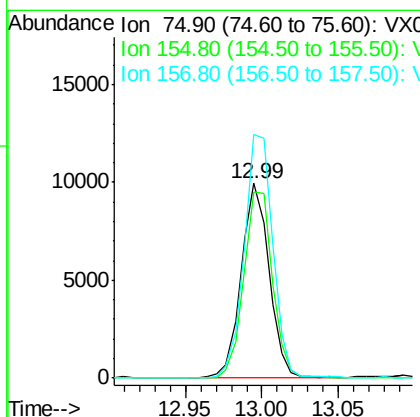
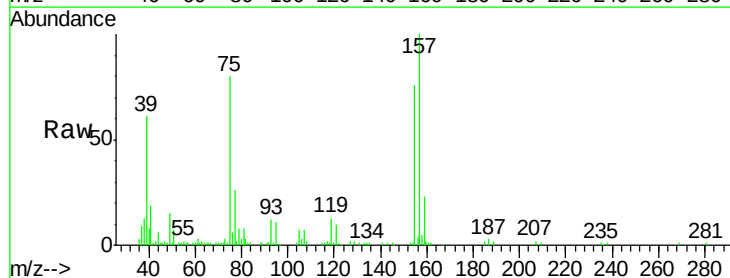
Manual Integrations
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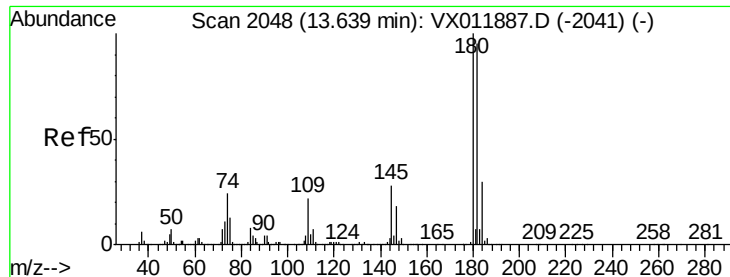
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.909 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12557		
155	99.1	50.1	150.4	
157	129.5	63.9	191.7	





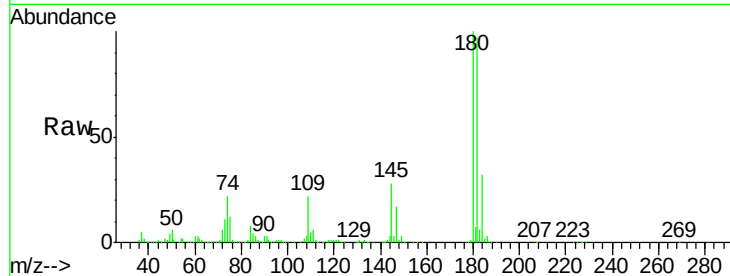
#93
 1,2,4-Trichlorobenzene
 Concen: 19.791 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

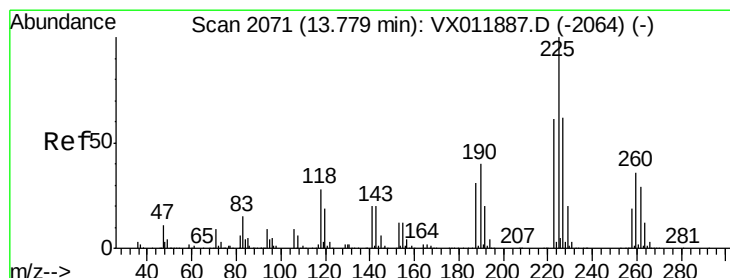
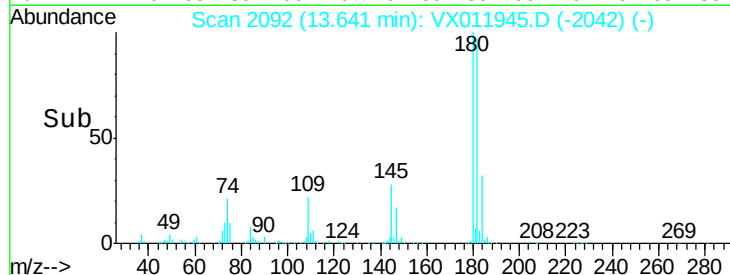
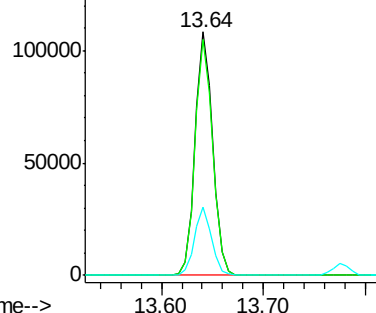
Tot Ion	Ratio	Resp	Lower	Upper
180	100	129203		
182	97.2	48.1	144.4	
145	27.5	13.8	41.3	

Manual Integrations
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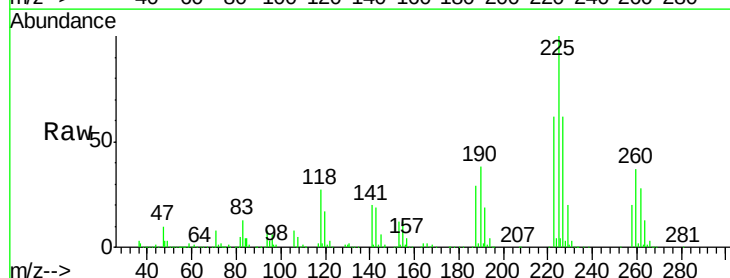


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

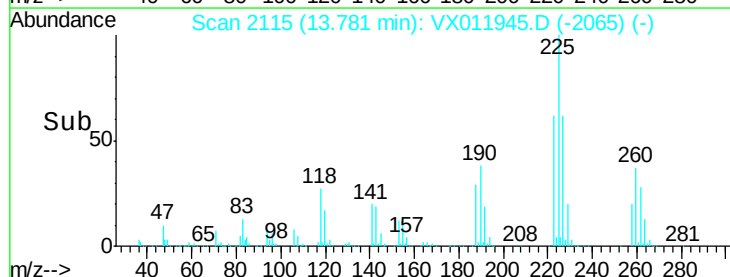
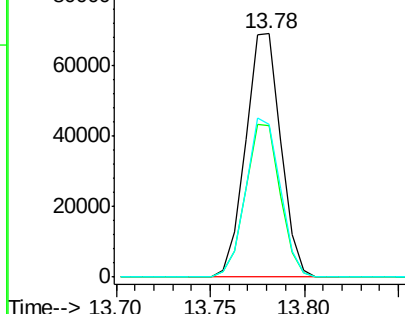


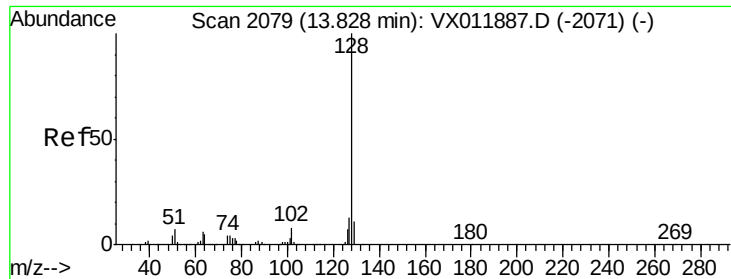
#94
 Hexachlorobutadiene
 Concen: 20.498 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX011945.D
 Acq: 31 Aug 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89367		
223	62.5	30.8	92.3	
227	64.1	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: 19.592 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Instrument :

MSVOA_X

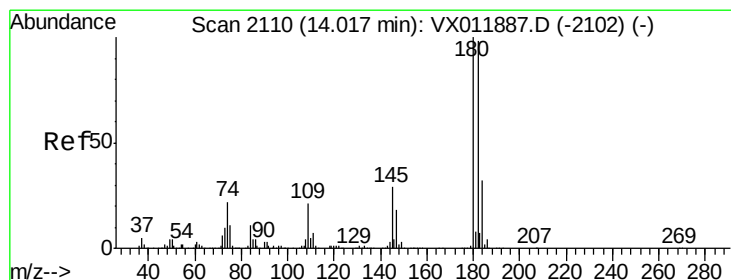
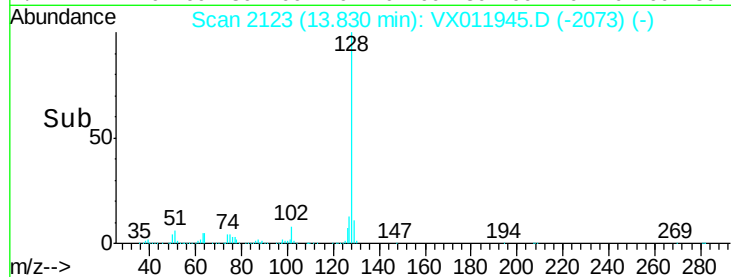
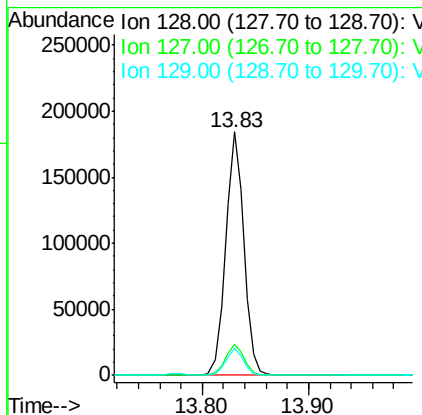
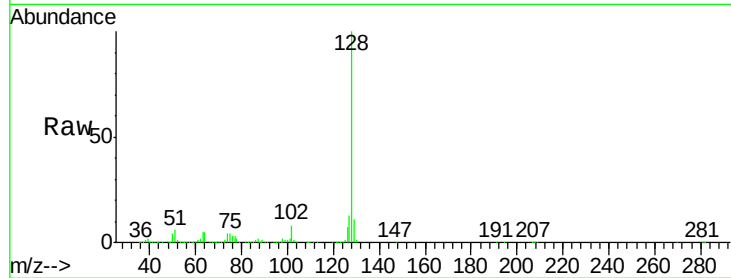
ClientSampleId :

VX0831SBS01

Tot Ion:	128	Resp:	219507
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

sam
9/3/2019 12:52:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.491 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX011945.D

Acq: 31 Aug 2019 12:37

Tgt Ion:	180	Resp:	120971
Ion Ratio	Lower	Upper	
180	100		
182	93.7	48.3	144.8
145	28.9	14.6	43.8

