

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011966.D
 Acq On : 31 Aug 2019 23:21
 Operator : SY/SP
 Sample : VX0831SBS02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:42 PM

Quant Time: Sep 01 03:52:51 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	319753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	465525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	446276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	261660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	161868	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
35) Dibromofluoromethane	5.48	113	154520	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	8.71	98	534757	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	11.13	95	226794	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	38340	19.867	ug/l 98
3) Chloromethane	1.31	50	42282	18.900	ug/l 100
4) Vinyl Chloride	1.39	62	39740	18.602	ug/l 99
5) Bromomethane	1.62	94	31276	21.159	ug/l 99
6) Chloroethane	1.70	64	27117	20.396	ug/l 99
7) Trichlorofluoromethane	1.91	101	70531	19.011	ug/l 99
8) Diethyl Ether	2.17	74	25825	20.254	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	45278	18.725	ug/l 98
10) Methyl Iodide	2.50	142	40466	17.877	ug/l 99
11) Tert butyl alcohol	3.03	59	30933	104.952	ug/l 99
12) 1,1-Dichloroethene	2.36	96	43595	19.412	ug/l 97
13) Acrolein	2.28	56	13841	94.352	ug/l 100
14) Allyl chloride	2.71	41	82381	19.555	ug/l 97
15) Acrylonitrile	3.12	53	74383	106.207	ug/l 100
16) Acetone	2.43	43	63543	96.402	ug/l 98
17) Carbon Disulfide	2.55	76	112699	17.495	ug/l 100
18) Methyl Acetate	2.76	43	40129	21.993	ug/l 98
19) Methyl tert-butyl Ether	3.18	73	159422	21.912	ug/l 100
20) Methylene Chloride	2.84	84	62370	19.145	ug/l 98
21) trans-1,2-Dichloroethene	3.15	96	53281	20.141	ug/l 95
22) Diisopropyl ether	3.84	45	185657	21.587	ug/l 99
23) Vinyl Acetate	3.80	43	564750	102.137	ug/l 100
24) 1,1-Dichloroethane	3.68	63	99750	21.033	ug/l 99
25) 2-Butanone	4.65	43	95158	99.120	ug/l 96
26) 2,2-Dichloropropane	4.56	77	74150	18.641	ug/l 98
27) cis-1,2-Dichloroethene	4.58	96	67753	21.743	ug/l 98
28) Bromochloromethane	5.00	49	46123	21.674	ug/l 99
29) Tetrahydrofuran	5.11	42	61621	102.837	ug/l 98
30) Chloroform	5.19	83	111404	21.969	ug/l 96
31) Cyclohexane	5.56	56	69490	18.166	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	93997	20.867	ug/l 99
36) 1,1-Dichloropropene	5.78	75	66871	18.132	ug/l 99
37) Ethyl Acetate	4.81	43	41955	19.218	ug/l 98
38) Carbon Tetrachloride	5.76	117	81460	19.045	ug/l 98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	75010	17.075	ug/l	99
40) Benzene	6.13	78	221524	20.123	ug/l	100
41) Methacrylonitrile	5.02	41	26052	20.267	ug/l	98
42) 1,2-Dichloroethane	6.18	62	79082	21.124	ug/l	98
43) Isopropyl Acetate	6.43	43	87283	19.720	ug/l	99
44) Trichloroethene	7.20	130	68663	20.159	ug/l	95
45) 1,2-Dichloropropane	7.50	63	59563	20.684	ug/l	99
46) Dibromomethane	7.65	93	36005	21.068	ug/l	99
47) Bromodichloromethane	7.89	83	90424	21.338	ug/l	98
48) Methyl methacrylate	7.76	41	42898	19.919	ug/l	100
49) 1,4-Dioxane	7.73	88	12143	410.031	ug/l	97
51) 4-Methyl-2-Pentanone	8.63	43	221430	98.478	ug/l	99
52) Toluene	8.78	92	147965	20.316	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	85903	19.789	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	98077	20.127	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	52576	21.014	ug/l	98
56) Ethyl methacrylate	9.17	69	69189	19.926	ug/l	98
57) 1,3-Dichloropropane	9.37	76	85484	20.585	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	164019	99.174	ug/l	98
59) 2-Hexanone	9.48	43	153868	96.335	ug/l	100
60) Dibromochloromethane	9.57	129	70912	21.103	ug/l	100
61) 1,2-Dibromoethane	9.67	107	51128	20.612	ug/l	99
64) Tetrachloroethene	9.33	164	76315	21.259	ug/l	98
65) Chlorobenzene	10.14	112	176961	20.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	74033	21.169	ug/l	99
67) Ethyl Benzene	10.25	91	291838	19.839	ug/l	99
68) m/p-Xylenes	10.35	106	226540	39.882	ug/l	100
69) o-Xylene	10.70	106	111491	20.142	ug/l	100
70) Styrene	10.71	104	200616	20.562	ug/l	99
71) Bromoform	10.85	173	50535	20.436	ug/l #	100
73) Isopropylbenzene	11.01	105	295469	19.653	ug/l	100
74) N-amyl acetate	10.89	43	82640	18.522	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	61273	19.914	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	52310m	20.323	ug/l	
77) Bromobenzene	11.25	156	90654	20.791	ug/l	98
78) n-propylbenzene	11.35	91	329871	19.349	ug/l	100
79) 2-Chlorotoluene	11.42	91	204987	19.976	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	256355	19.755	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17913	17.483	ug/l	98
82) 4-Chlorotoluene	11.51	91	246398	19.903	ug/l	100
83) tert-Butylbenzene	11.76	119	258339	19.619	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	264987	19.925	ug/l	99
85) sec-Butylbenzene	11.94	105	294393	19.248	ug/l	99
86) p-Isopropyltoluene	12.06	119	285733	19.267	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	166045	20.490	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	168326	20.547	ug/l	99
89) n-Butylbenzene	12.38	91	240155	18.303	ug/l	99
90) Hexachloroethane	12.59	117	57274	19.962	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	155005	20.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	11638	18.988	ug/l	96

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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	122995	19.388	ug/l	99
94) Hexachlorobutadiene	13.77	225	78837	18.608	ug/l	99
95) Naphthalene	13.83	128	206066	18.926	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	111197	19.383	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampled :

VX0831SBS02

Tot Ion:168 Resp: 319753

Ion Ratio Lower Upper

168 100

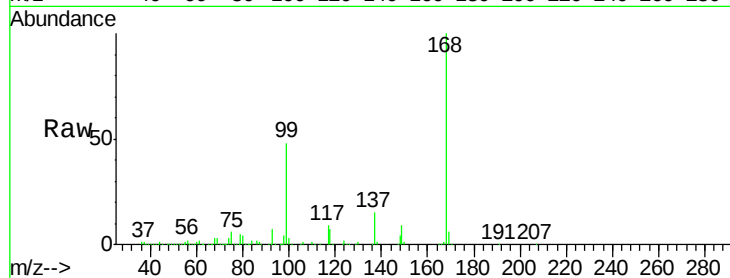
99 48.3 38.4 57.6

Manual Integrations

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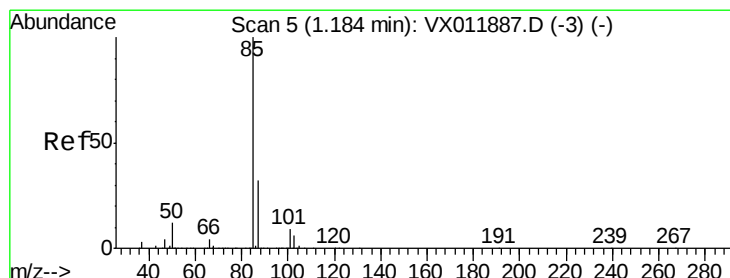
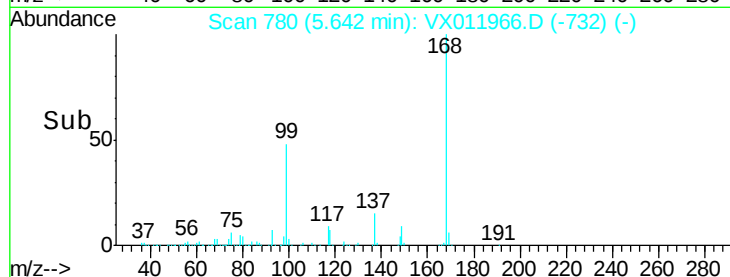
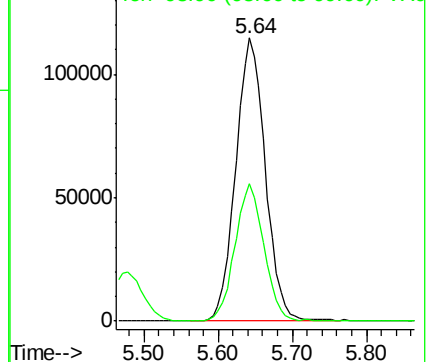
sam

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.867 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011966.D

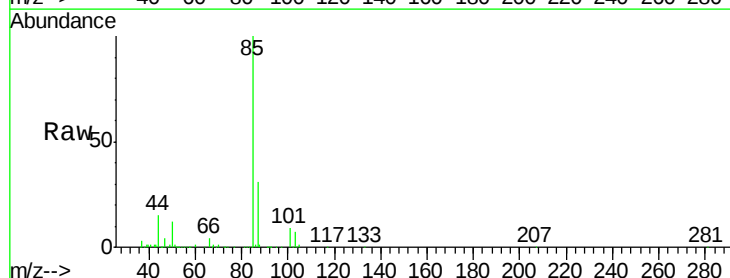
Acq: 31 Aug 2019 23:21

Tgt Ion: 85 Resp: 38340

Ion Ratio Lower Upper

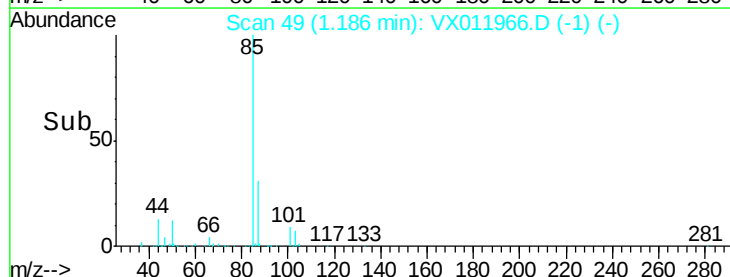
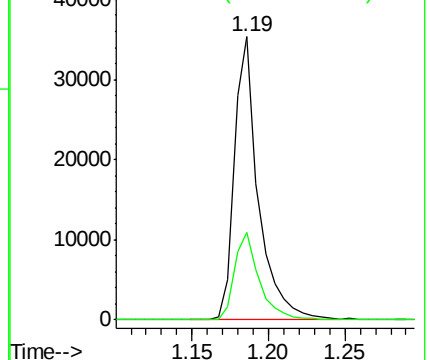
85 100

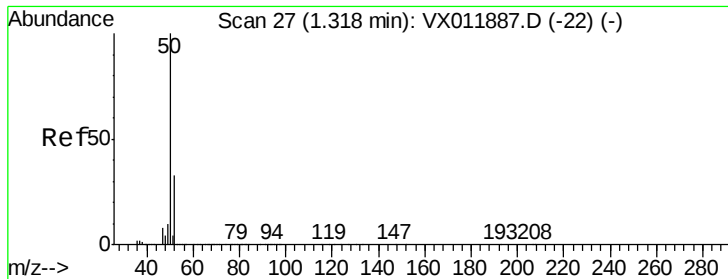
87 31.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.900 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 50 Resp: 42282

Ion Ratio Lower Upper

50 100

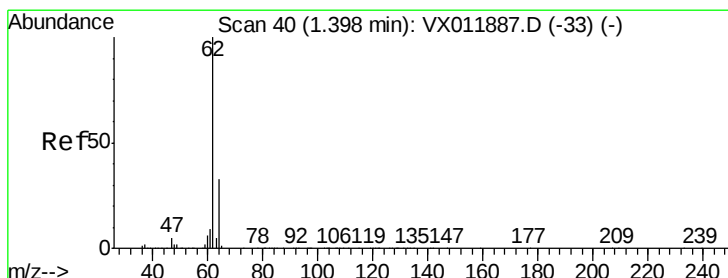
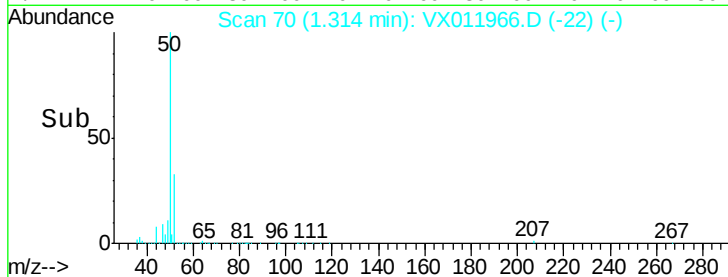
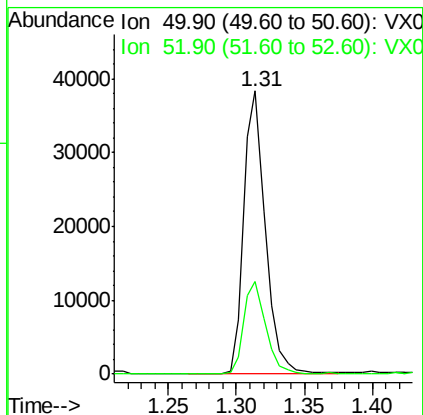
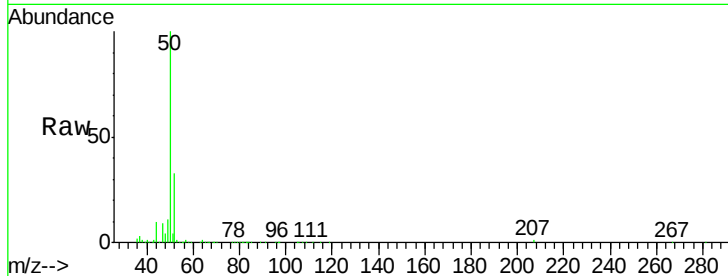
52 32.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.602 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011966.D

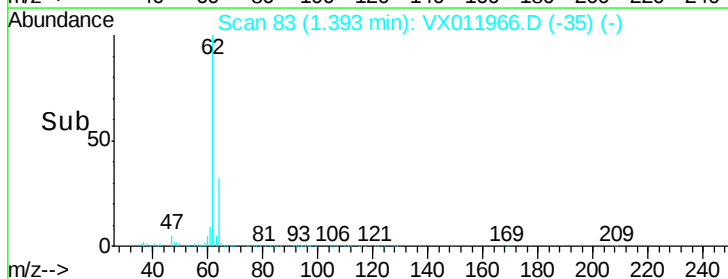
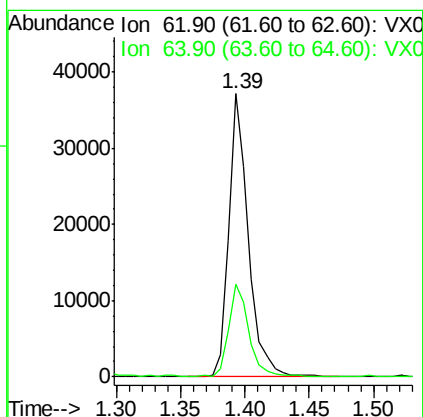
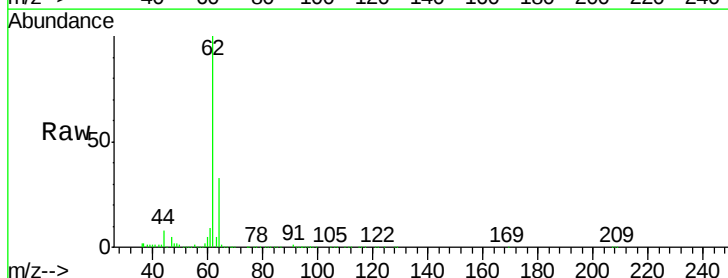
Acq: 31 Aug 2019 23:21

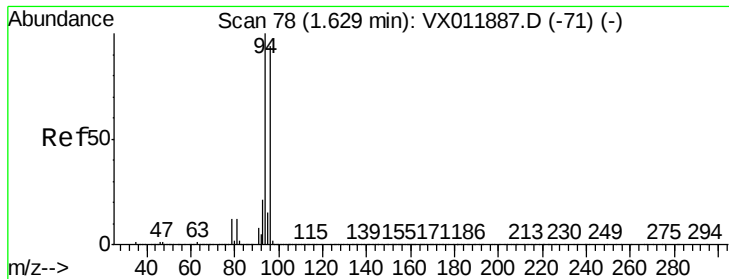
Tgt Ion: 62 Resp: 39740

Ion Ratio Lower Upper

62 100

64 32.2 26.0 39.0





#5

Bromomethane

Concen: 21.159 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 94 Resp: 31276

Ion Ratio Lower Upper

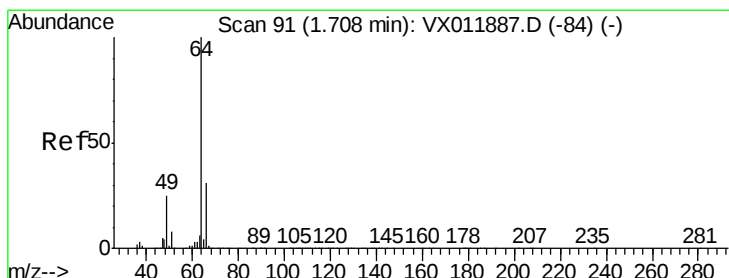
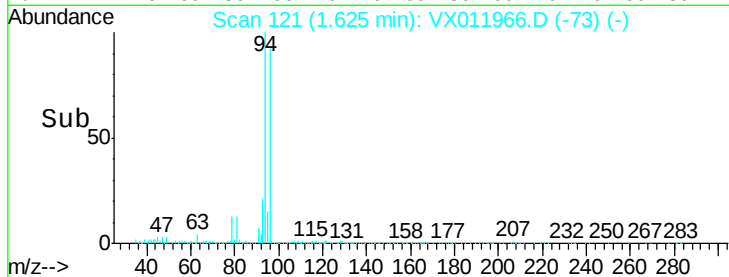
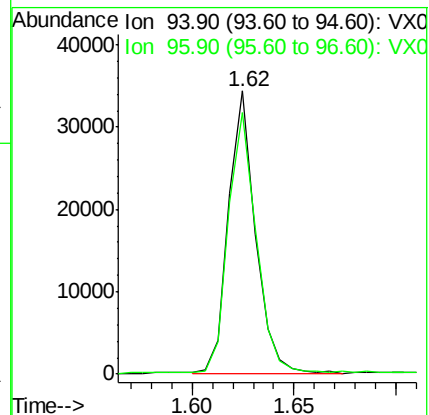
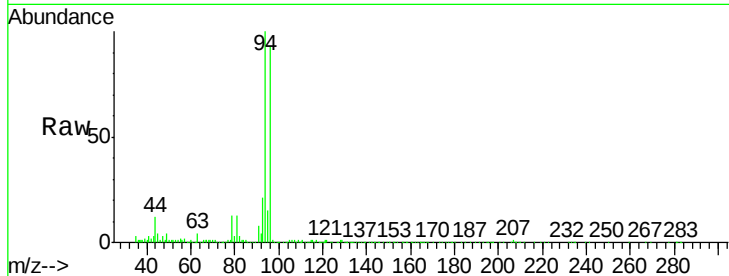
94 100

96 92.5 75.0 112.6

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#6

Chloroethane

Concen: 20.396 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX011966.D

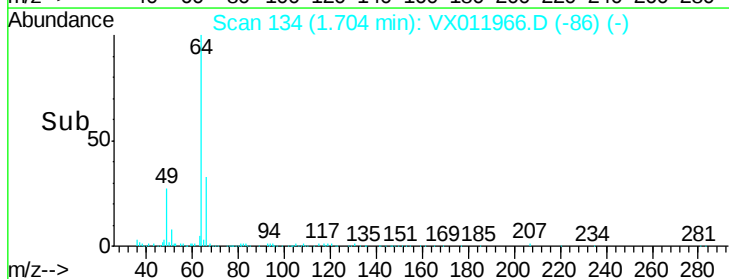
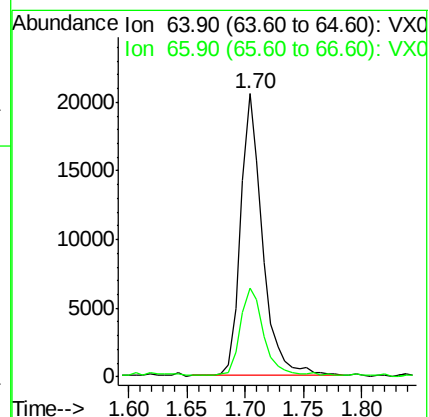
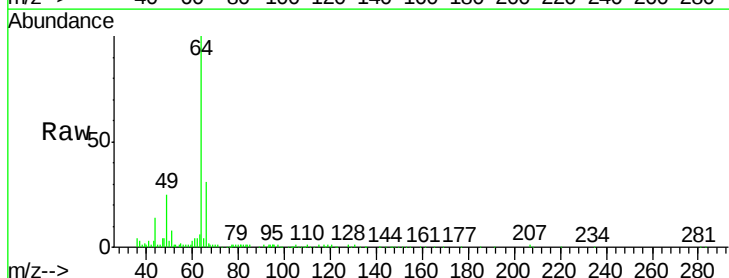
Acq: 31 Aug 2019 23:21

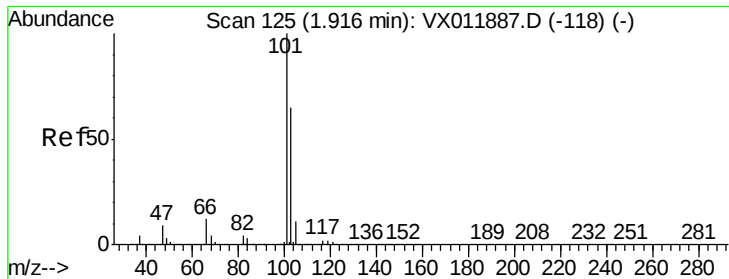
Tgt Ion: 64 Resp: 27117

Ion Ratio Lower Upper

64 100

66 30.6 25.0 37.4





#7

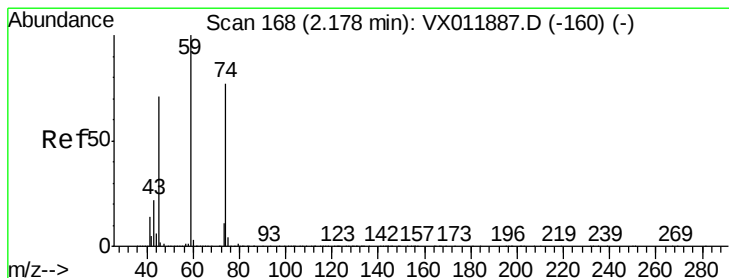
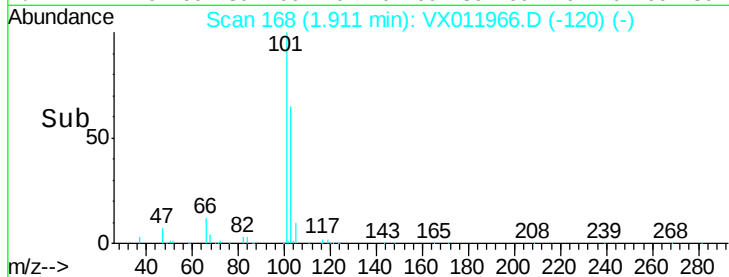
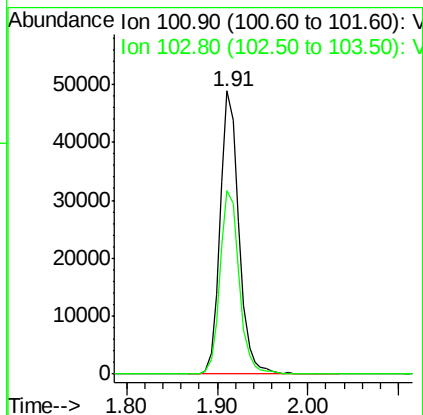
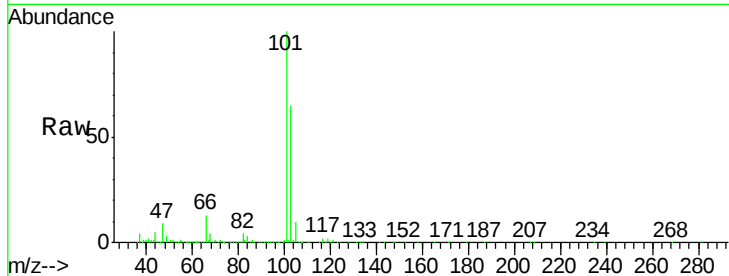
Trichlorofluoromethane
Concen: 19.011 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.6	77.4

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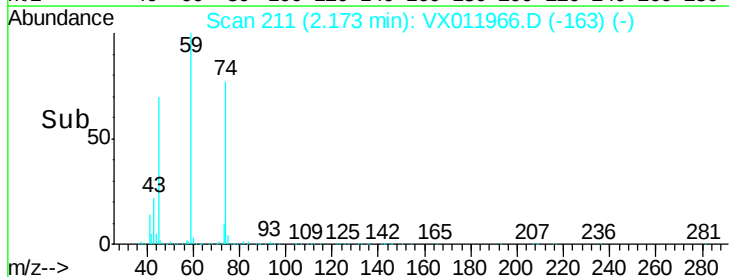
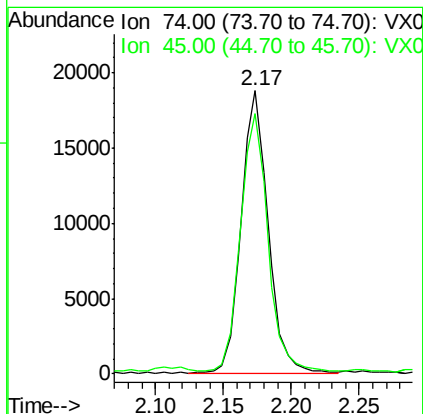
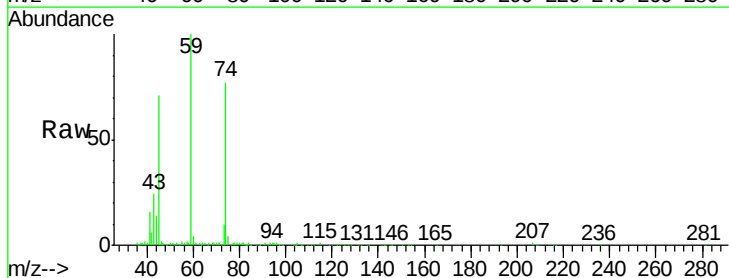
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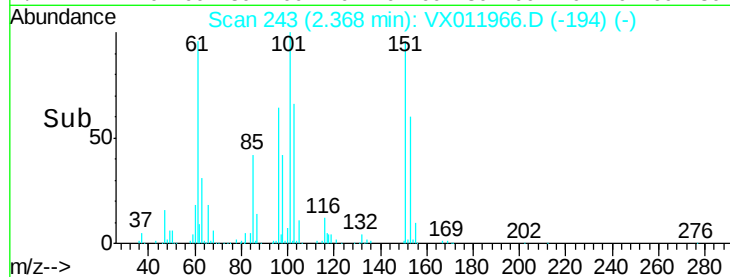
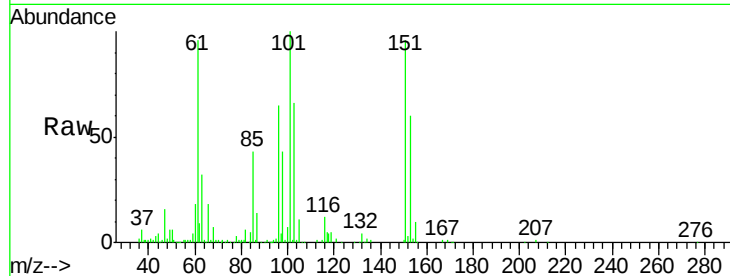
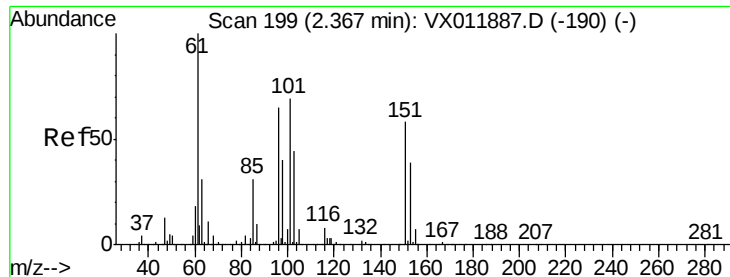


#8

Diethyl Ether
Concen: 20.254 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.4	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.725 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011966.D

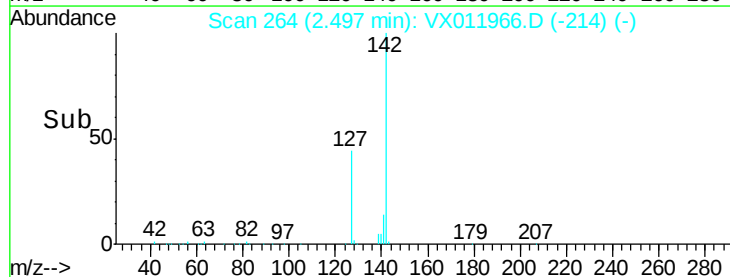
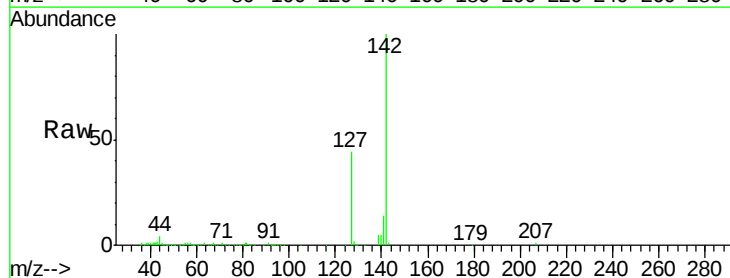
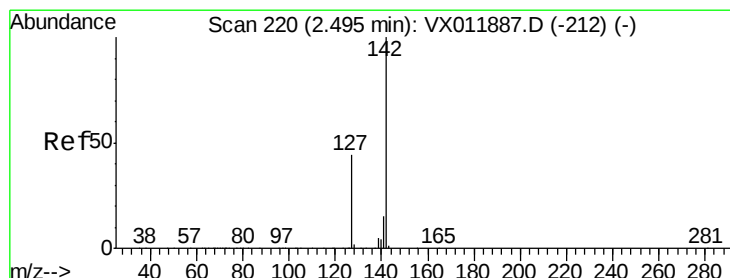
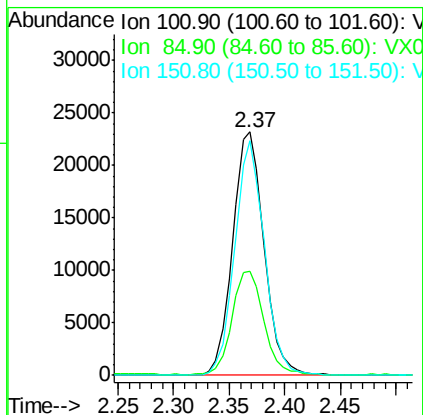
Acq: 31 Aug 2019 23:21

Tot Ion:	101	Resp:	45278
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.9	52.3
151	91.4	70.9	106.3

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

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#10

Methyl Iodide

Concen: 17.877 ug/l

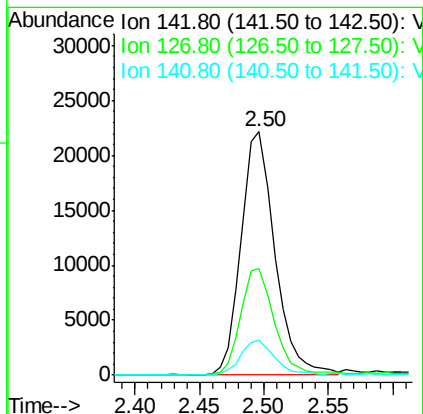
RT: 2.50 min Scan# 264

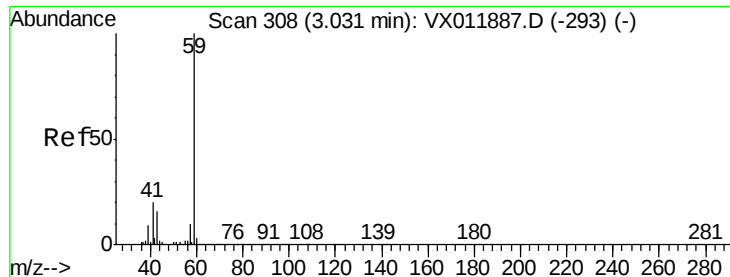
Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Tgt Ion:	142	Resp:	40466
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.7	53.5
141	14.4	11.8	17.6





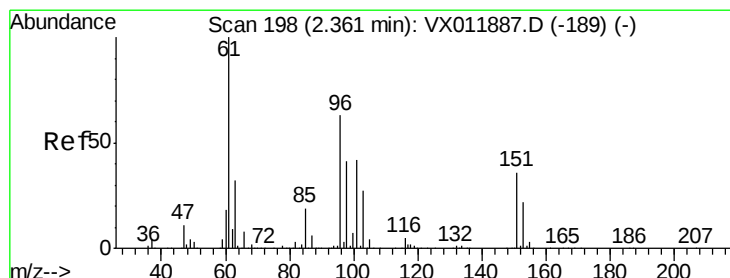
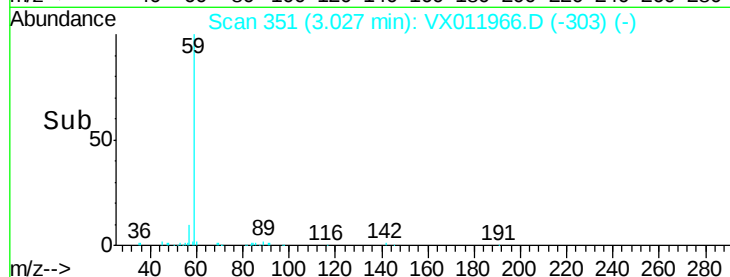
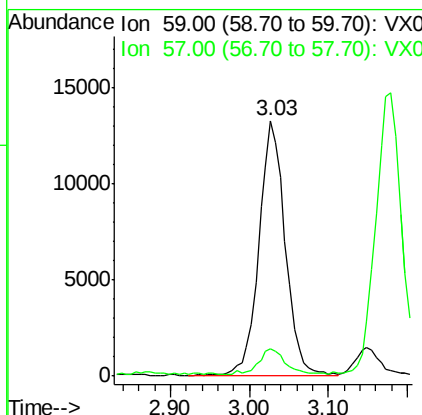
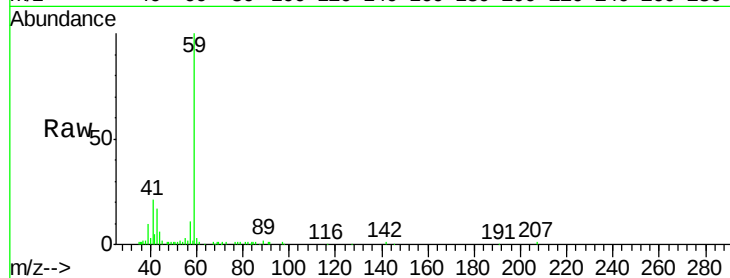
#11
Tert butyl alcohol
Concen: 104.952 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	59	Resp	30933
Ion Ratio	100	Lower	Upper
57	10.5	8.6	12.8

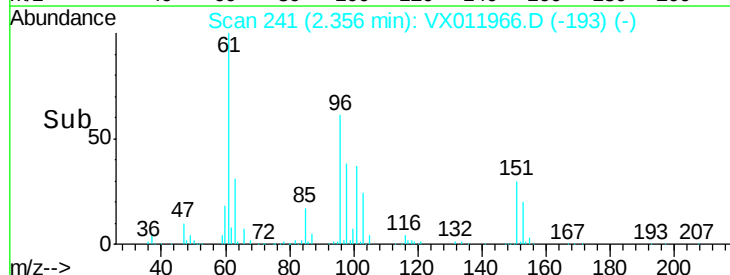
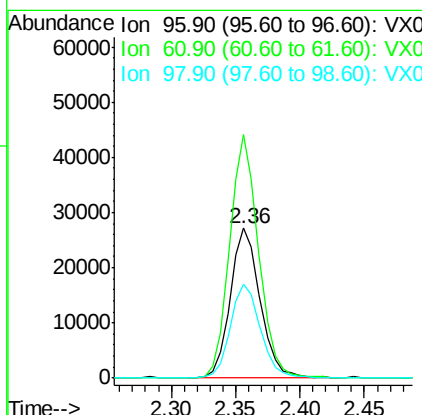
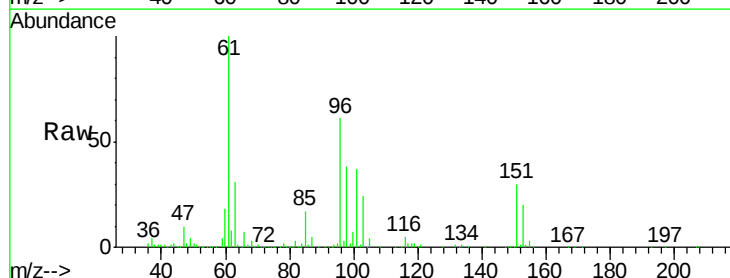
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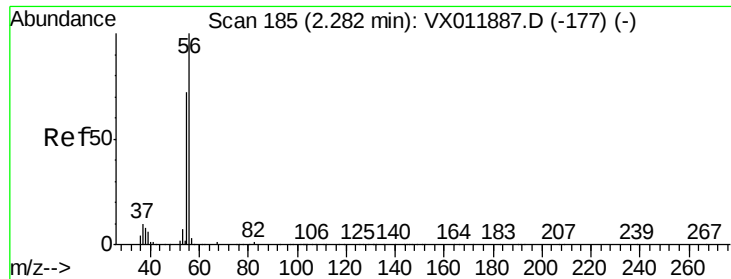
sam
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#12
1,1-Dichloroethene
Concen: 19.412 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	96	Resp	43595
Ion Ratio	100	Lower	Upper
61	163.0	126.6	190.0
98	62.5	51.6	77.4





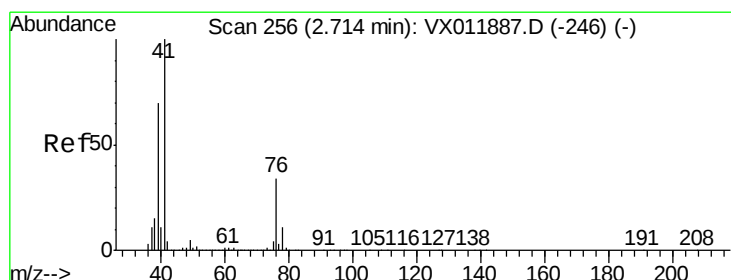
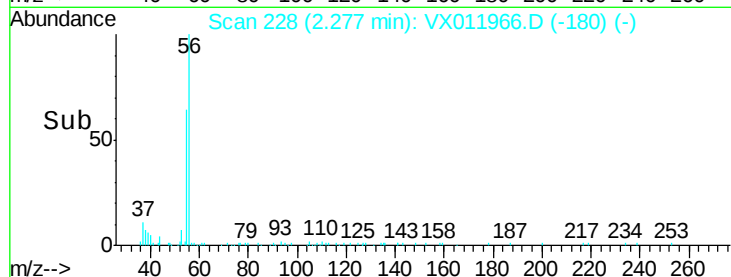
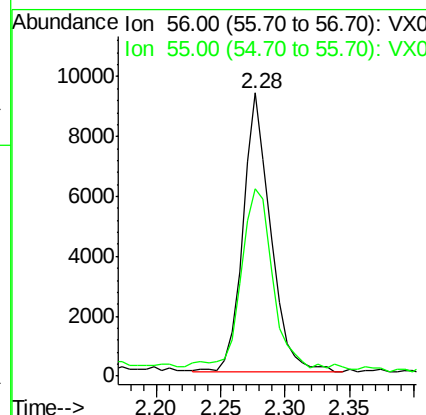
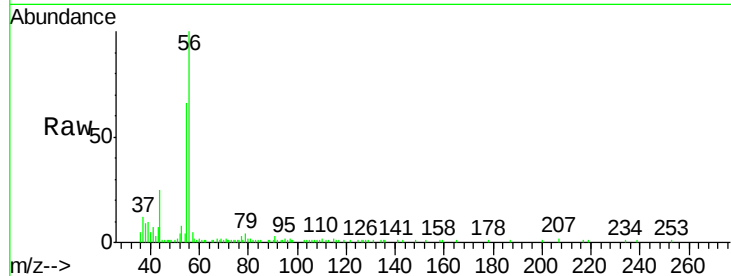
#13
Acrolein
Concen: 94.352 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.4	58.6	88.0

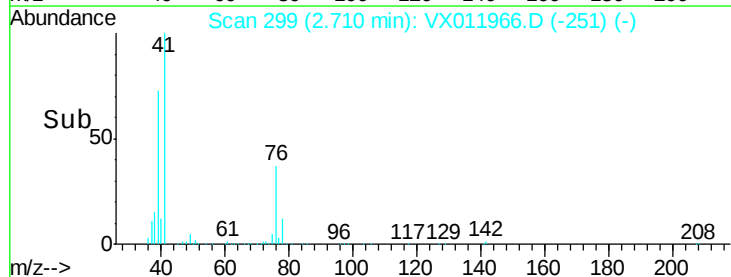
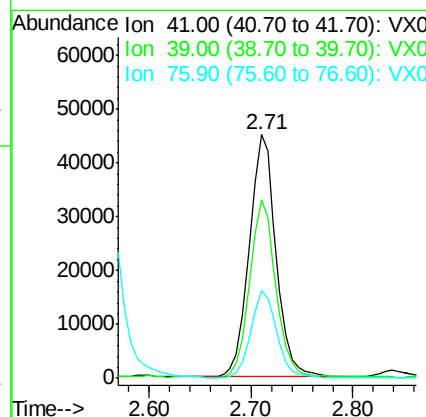
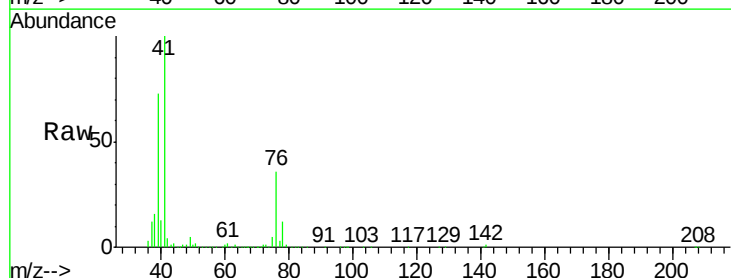
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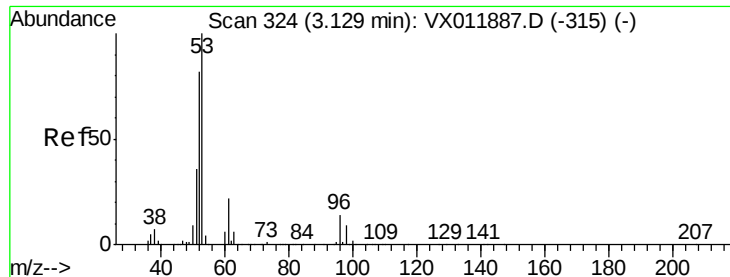
sam
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#14
Allyl chloride
Concen: 19.555 ug/l
RT: 2.71 min Scan# 299
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.3	55.0	82.6
76	34.6	27.0	40.4





#15

Acrylonitrile

Concen: 106.207 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

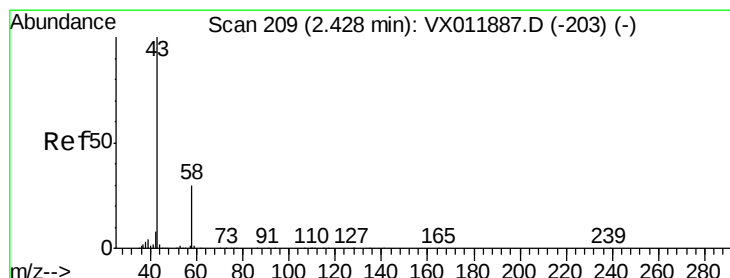
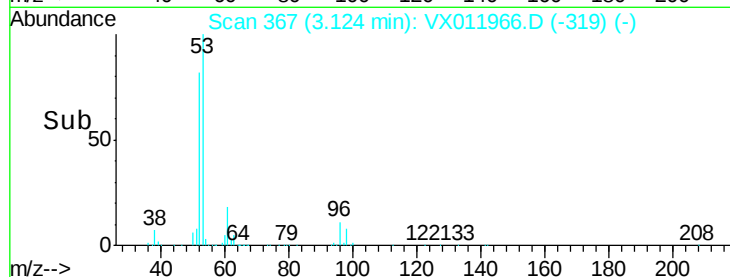
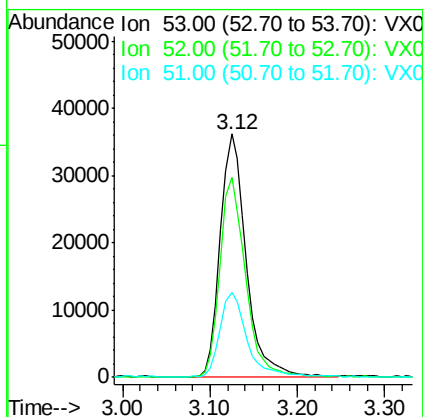
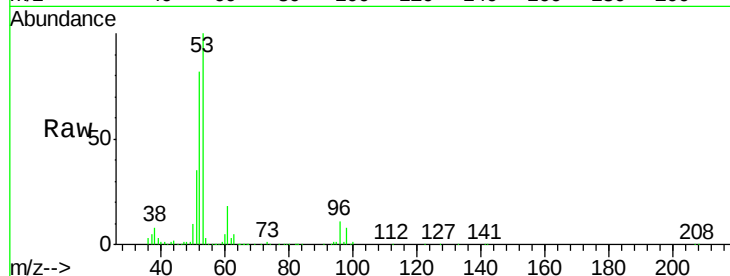
ClientSampleId :

VX0831SBS02

Tot Ion:	53	Resp:	74383
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.3	97.9
51	36.2	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 96.402 ug/l

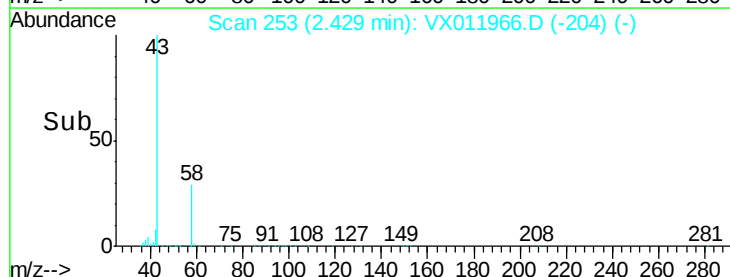
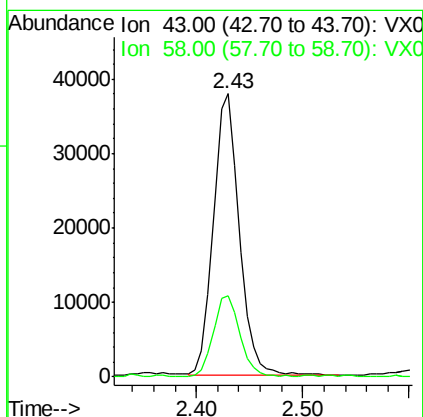
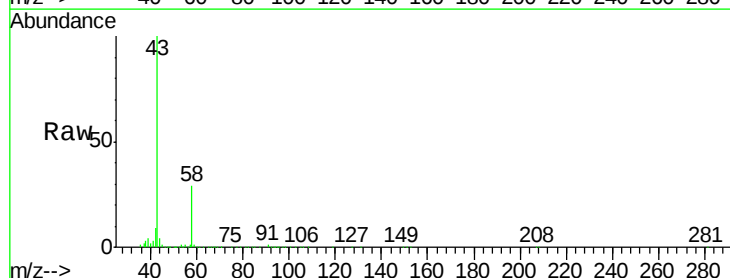
RT: 2.43 min Scan# 253

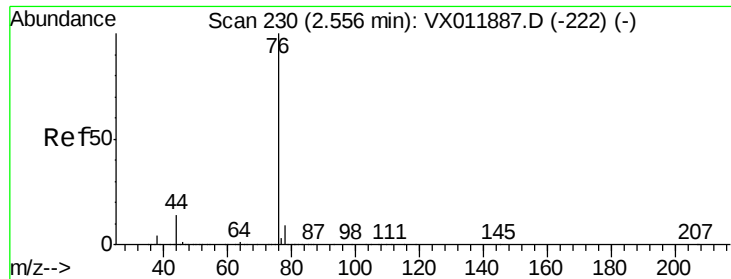
Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Tgt Ion:	43	Resp:	63543
Ion Ratio	Lower	Upper	
43	100		
58	28.7	23.8	35.8





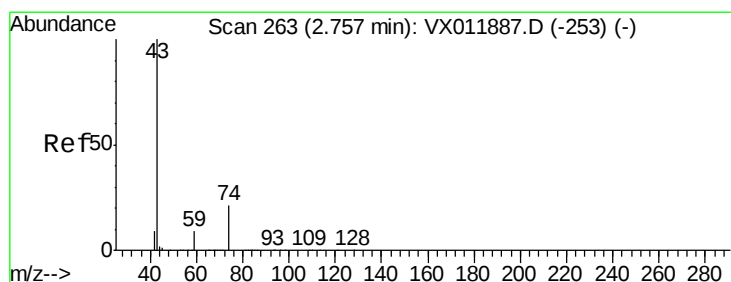
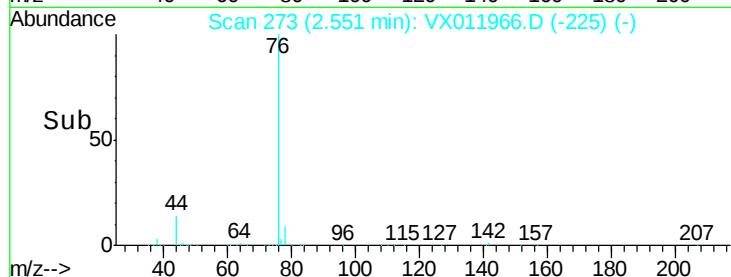
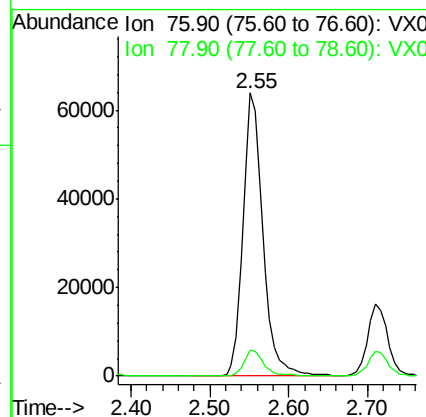
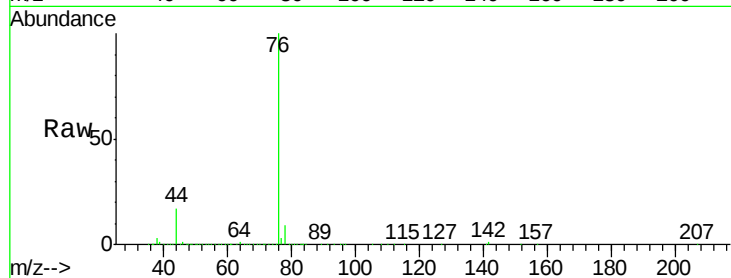
#17
Carbon Disulfide
Concen: 17.495 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

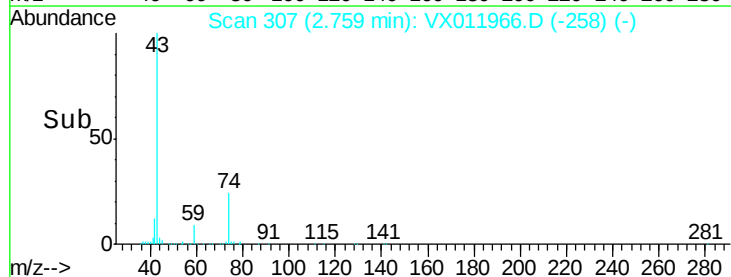
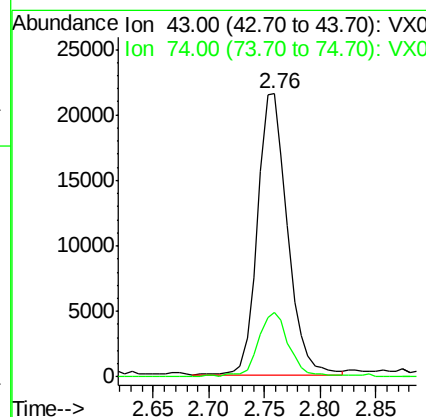
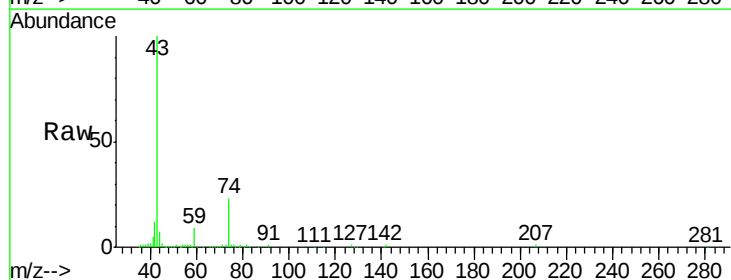
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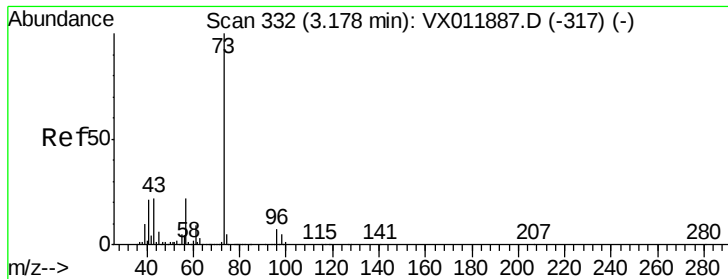
sam
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#18
Methyl Acetate
Concen: 21.993 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.4	27.6





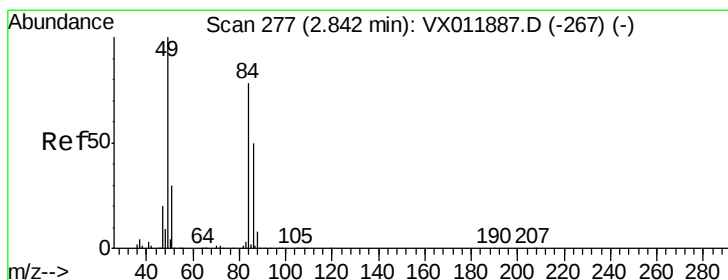
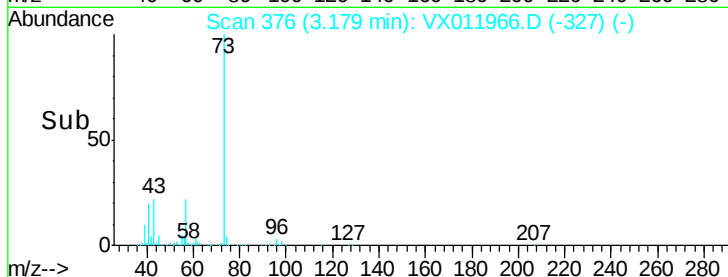
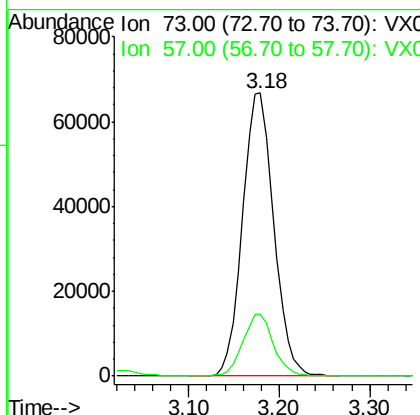
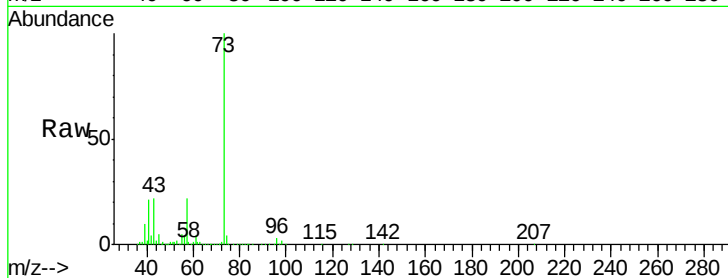
#19
Methyl tert-butyl Ether
Concen: 21.912 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ion	Ratio	Lower	Upper
73	100			
57	21.9	17.4	26.0	

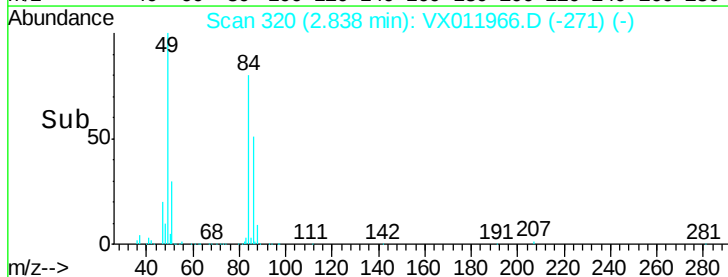
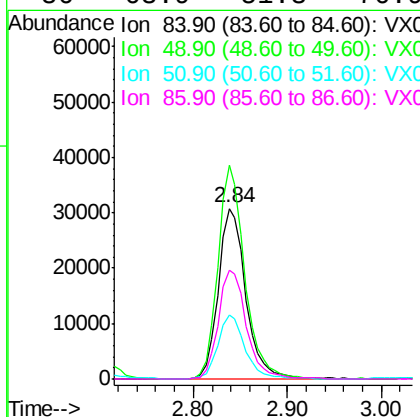
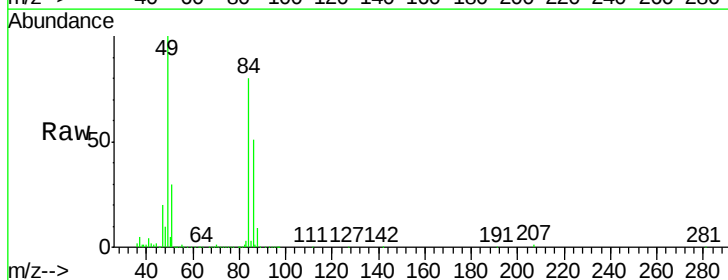
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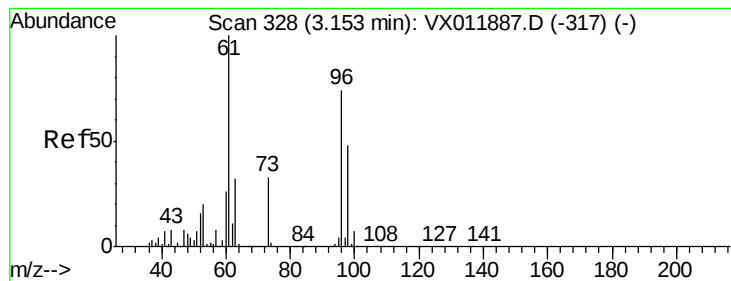
sam
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#20
Methylene Chloride
Concen: 19.145 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ion	Ratio	Lower	Upper
84	100			
49	125.1	103.0	154.4	
51	37.5	30.8	46.2	
86	63.9	51.3	76.9	





#21

trans-1,2-Dichloroethene

Concen: 20.141 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampled :

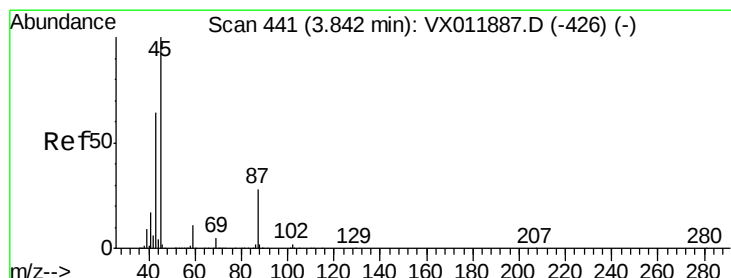
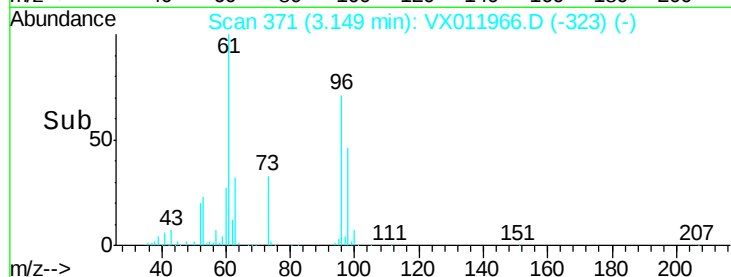
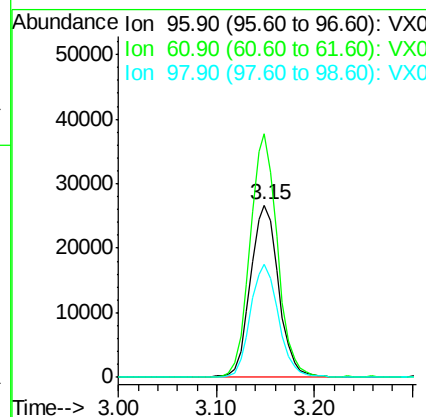
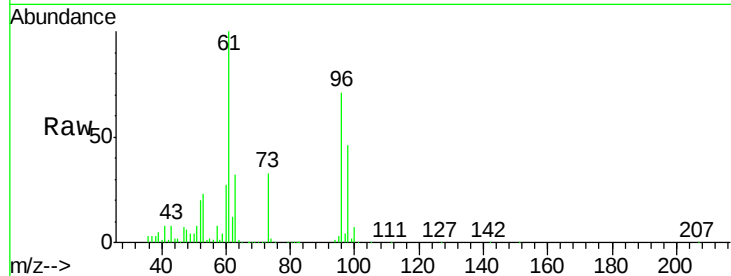
VX0831SBS02

Tot Ion:	96	Resp:	53281
Ion	Ratio	Lower	Upper
96	100		
61	141.4	107.4	161.2
98	65.5	51.4	77.2

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#22

Diisopropyl ether

Concen: 21.587 ug/l

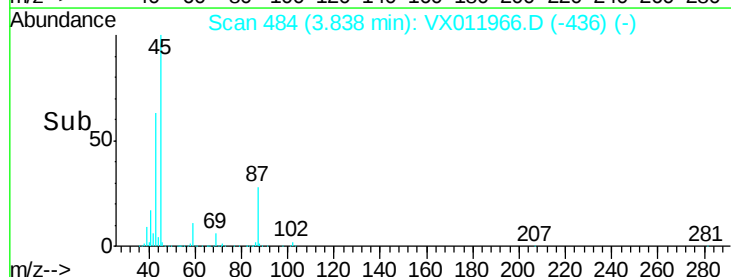
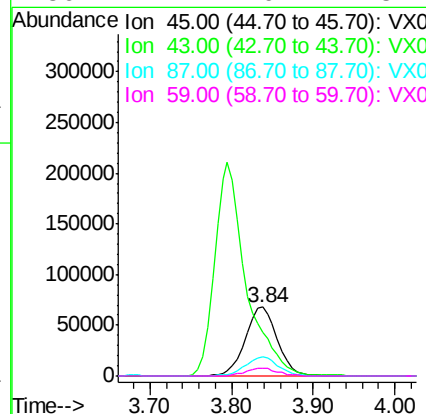
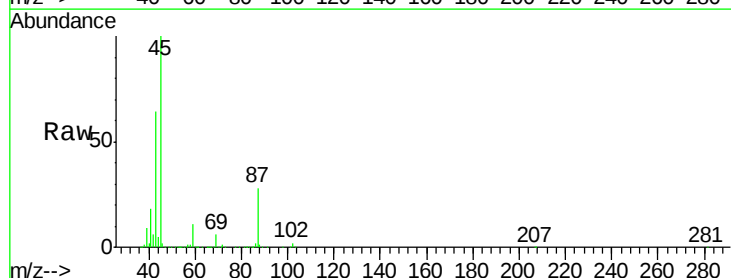
RT: 3.84 min Scan# 484

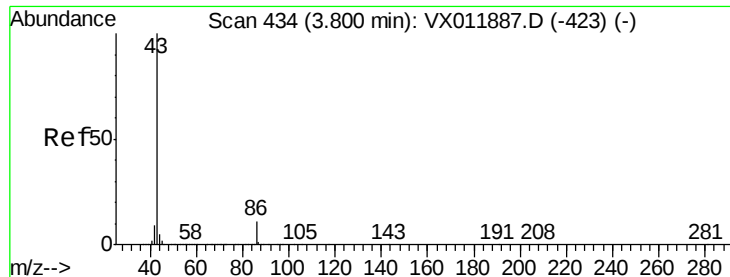
Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Tgt Ion:	45	Resp:	185657
Ion	Ratio	Lower	Upper
45	100		
43	62.7	51.0	76.6
87	28.1	22.0	33.0
59	11.4	9.1	13.7





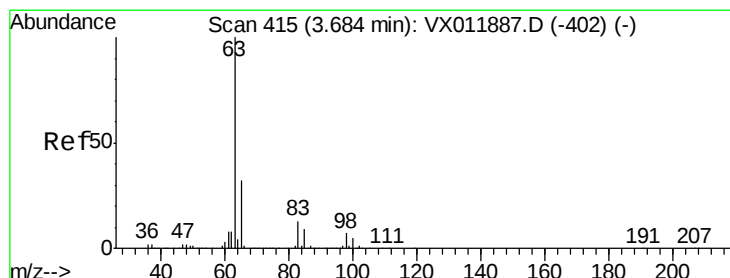
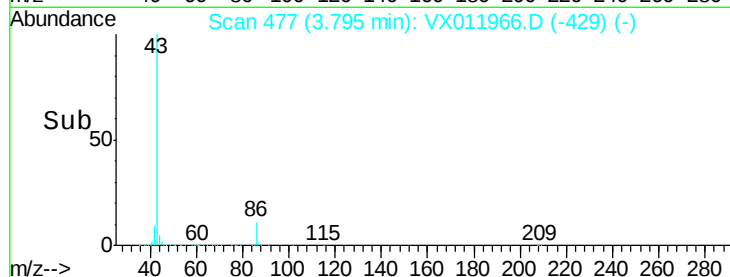
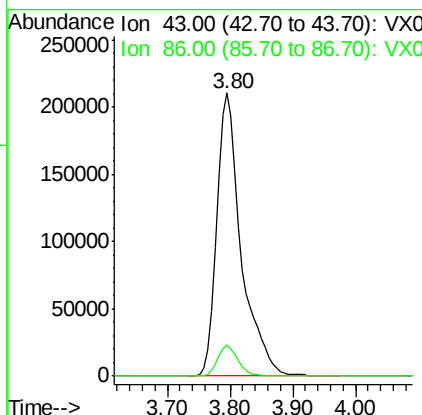
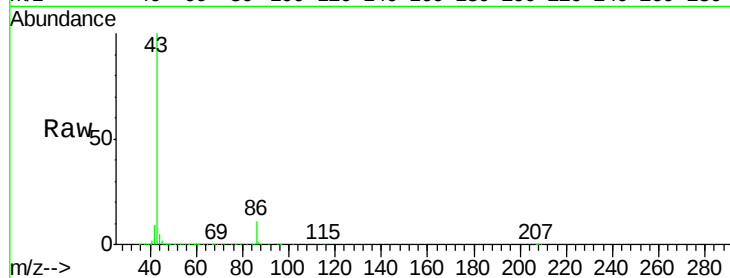
#23
 Vinyl Acetate
 Concen: 102.137 ug/l
 RT: 3.80 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

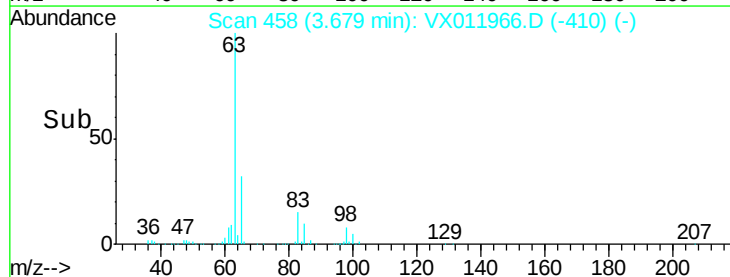
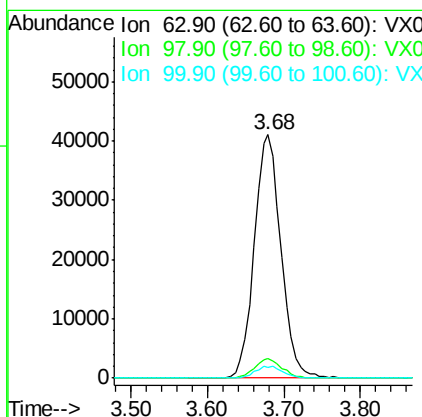
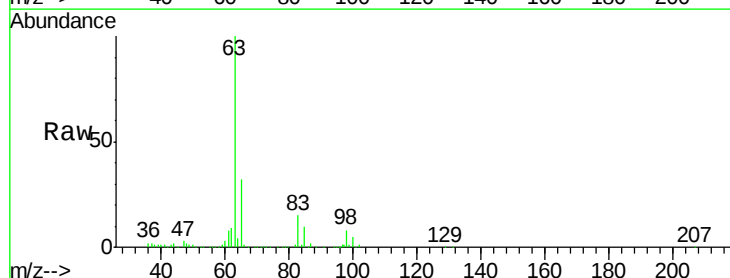
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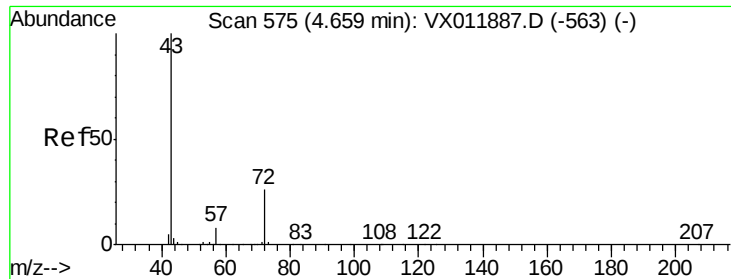
sam
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#24
 1,1-Dichloroethane
 Concen: 21.033 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.2	3.8	11.2
100	4.6	2.4	7.2





#25

2-Butanone

Concen: 99.120 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 43 Resp: 95158

Ion Ratio Lower Upper

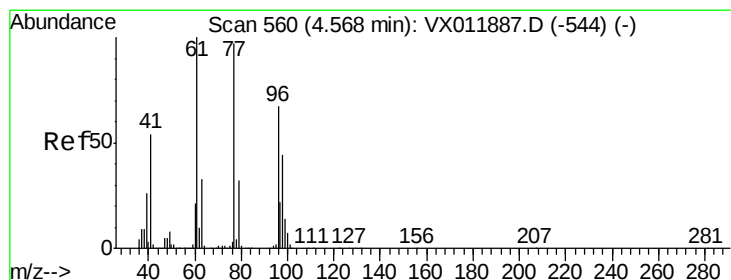
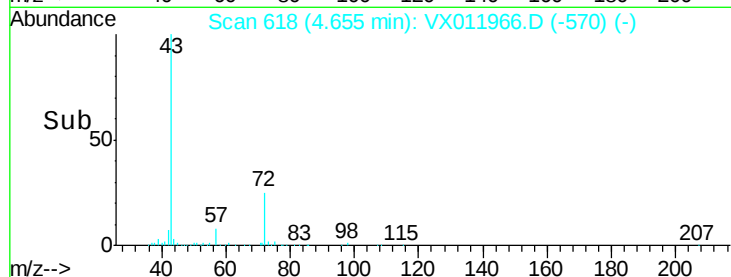
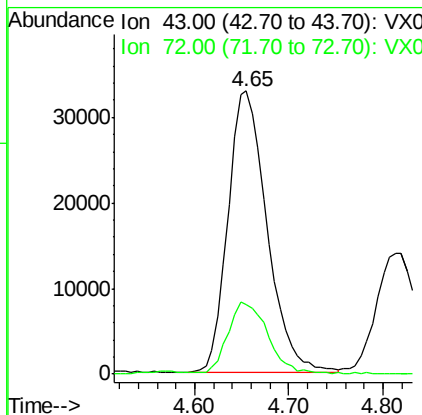
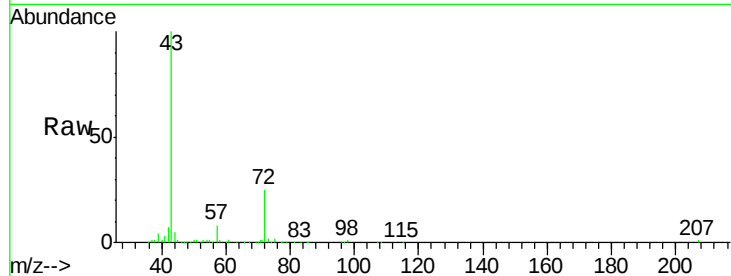
43 100

72 24.1 21.0 31.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.641 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX011966.D

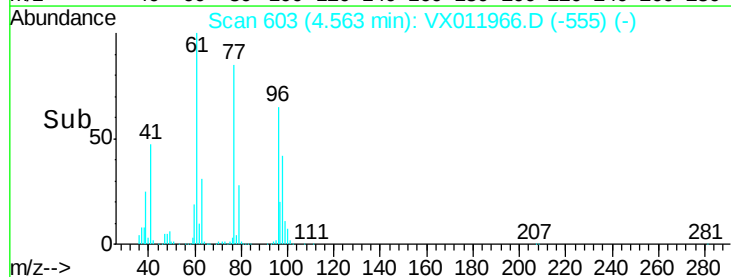
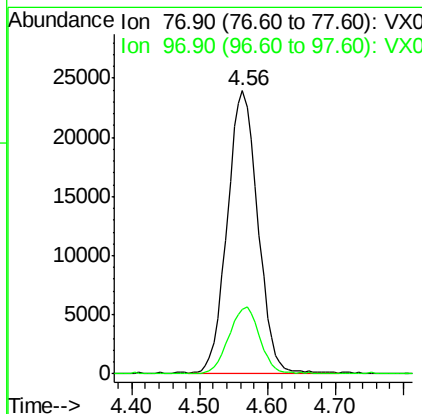
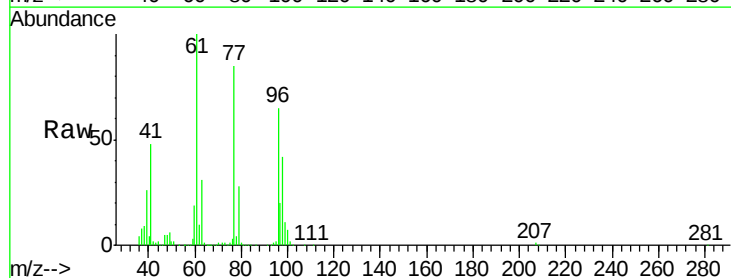
Acq: 31 Aug 2019 23:21

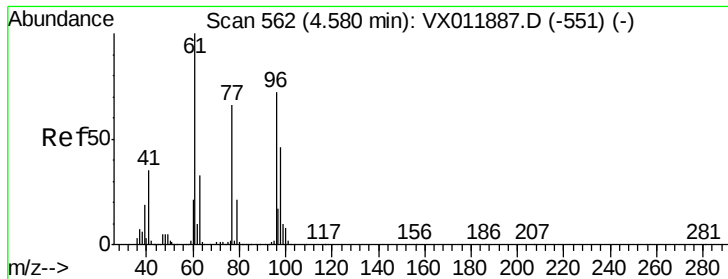
Tgt Ion: 77 Resp: 74150

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.1





#27

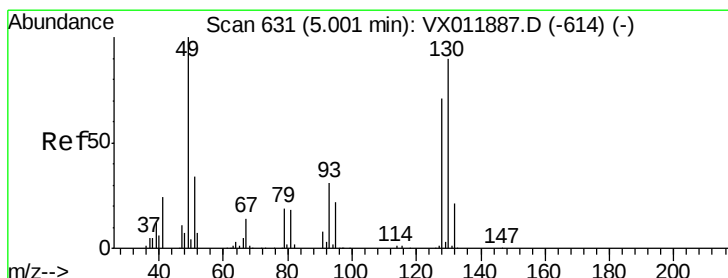
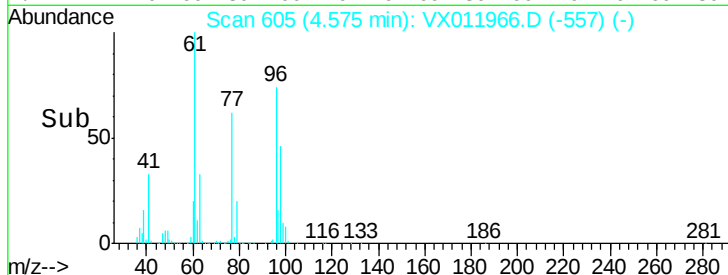
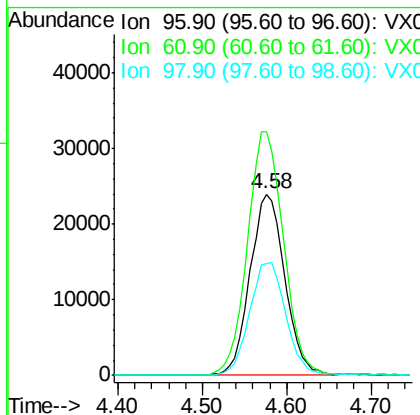
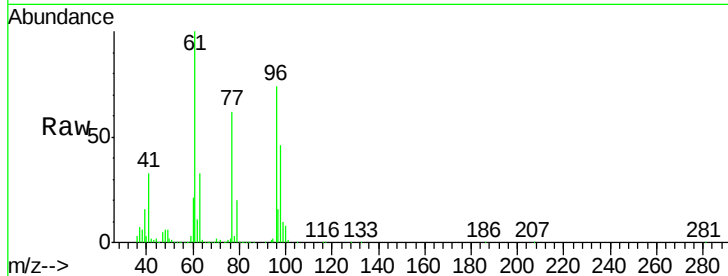
cis-1,2-Dichloroethene
Concen: 21.743 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	67753		
61	139.5	0.0	283.8	
98	64.6	0.0	131.2	

Manual Integrations
APPROVED

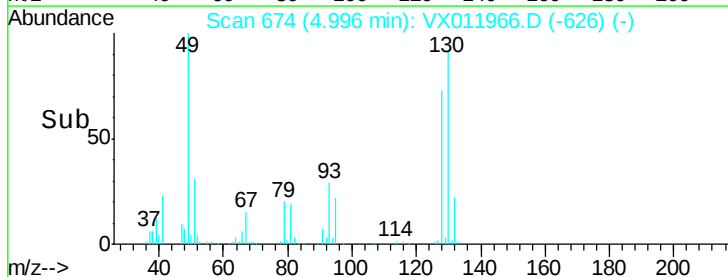
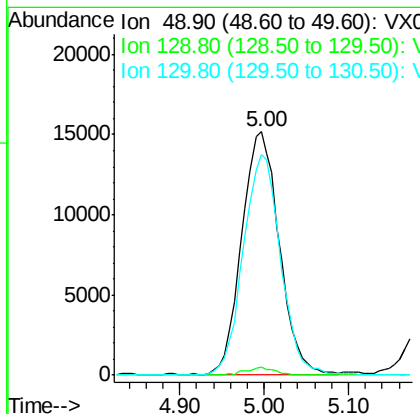
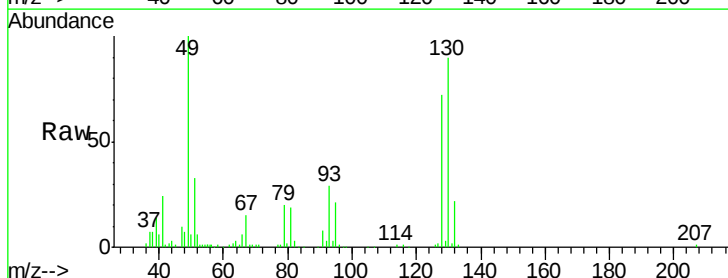
sam
9/3/2019 12:52:42 PM

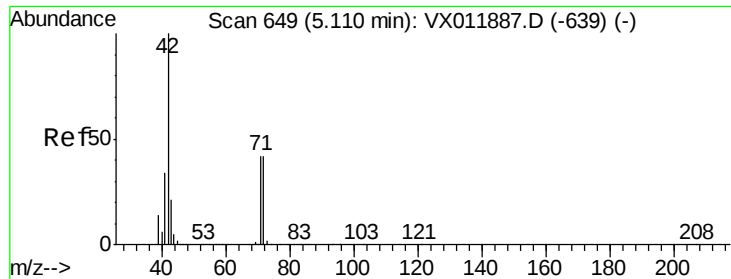


#28

Bromochloromethane
Concen: 21.674 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	46123		
129	2.5	0.0	4.8	
130	89.5	70.6	105.8	





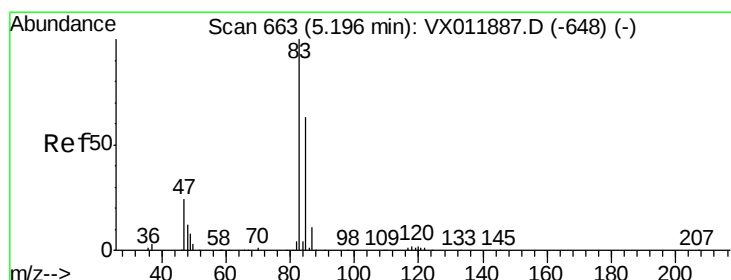
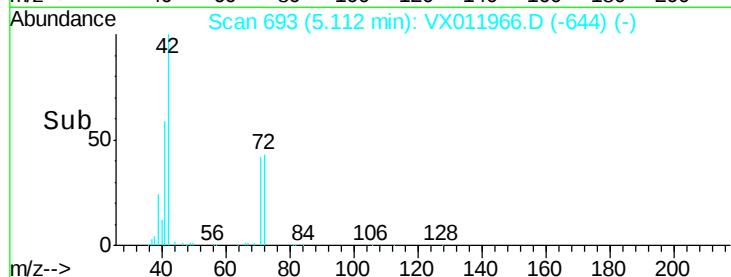
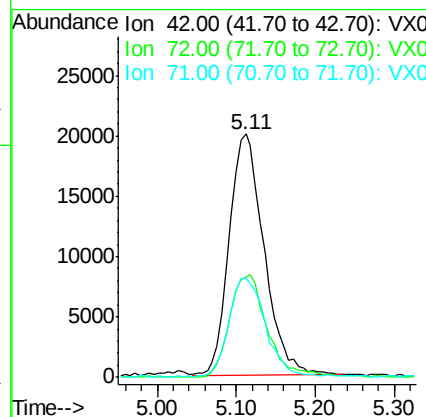
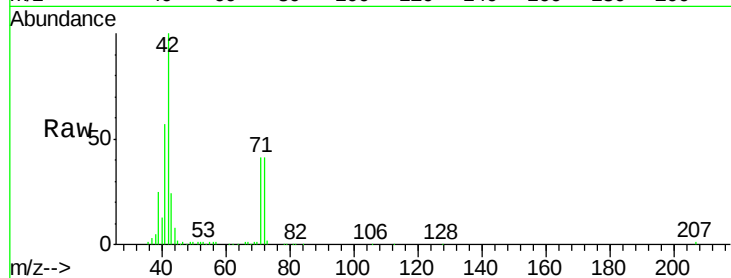
#29
Tetrahydrofuran
Concen: 102.837 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.2	54.4
71	43.8	33.1	49.7

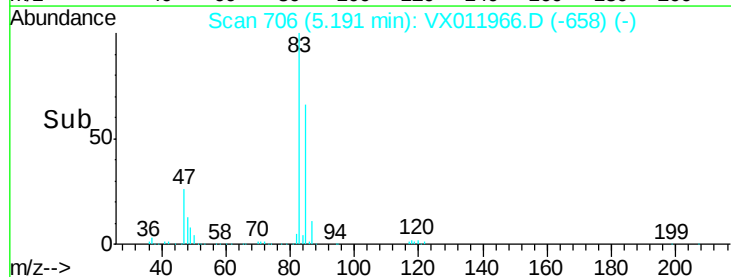
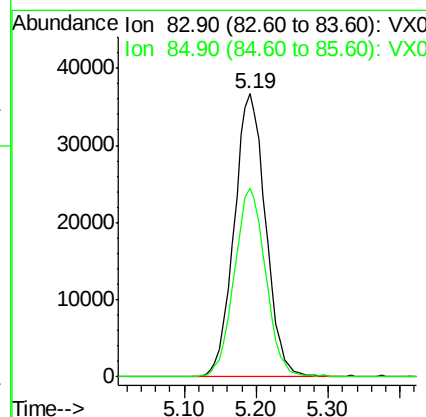
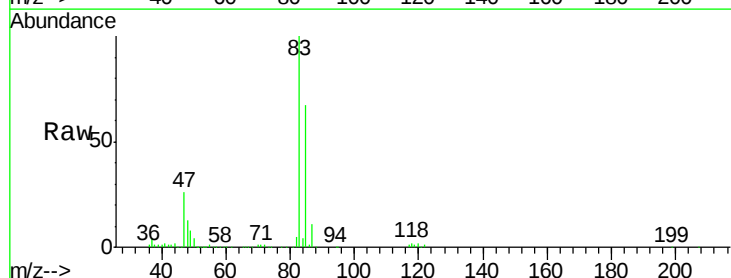
Manual Integrations
APPROVED

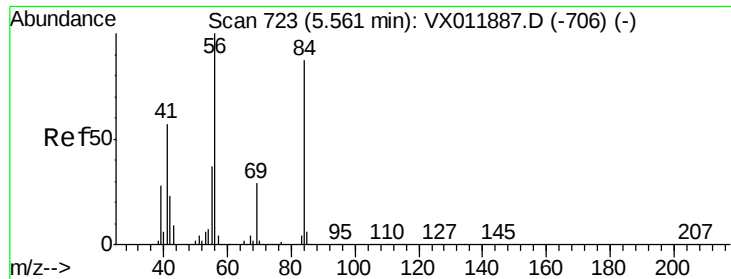
sam
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#30
Chloroform
Concen: 21.969 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.6	75.8





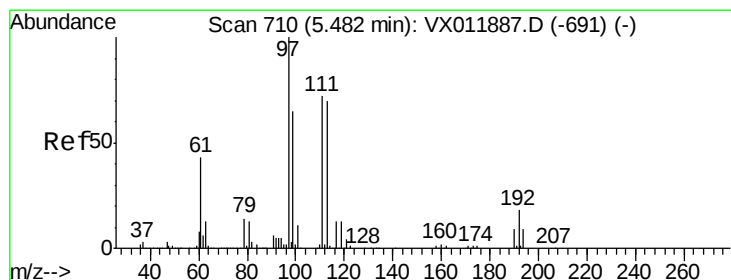
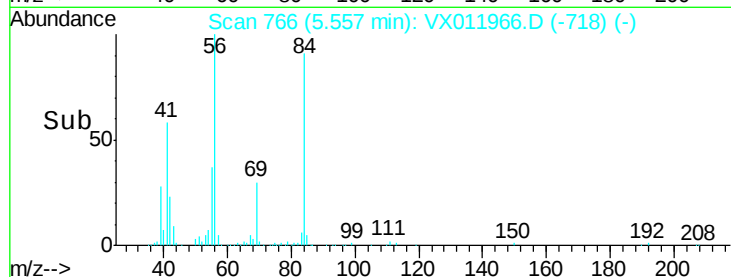
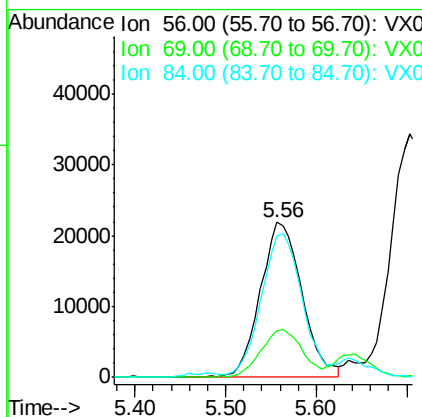
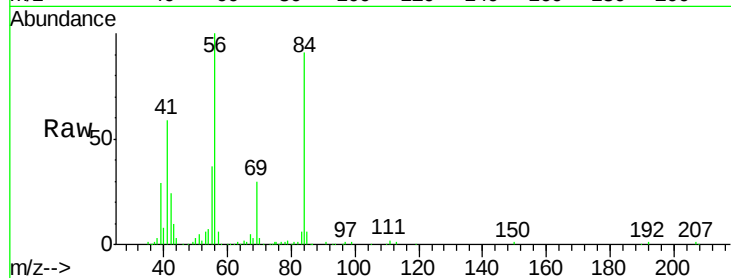
#31
Cyclohexane
Concen: 18.166 ug/l
RT: 5.56 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.1	34.7
84	88.3	69.6	104.4

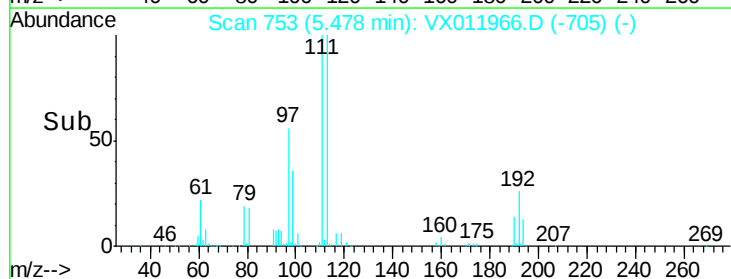
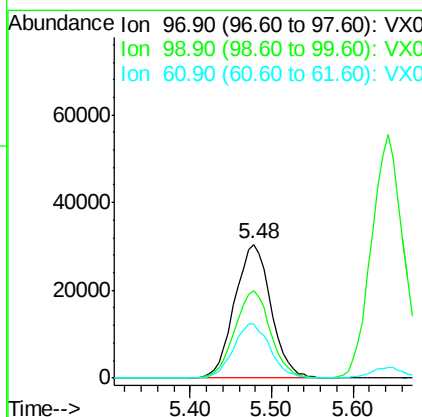
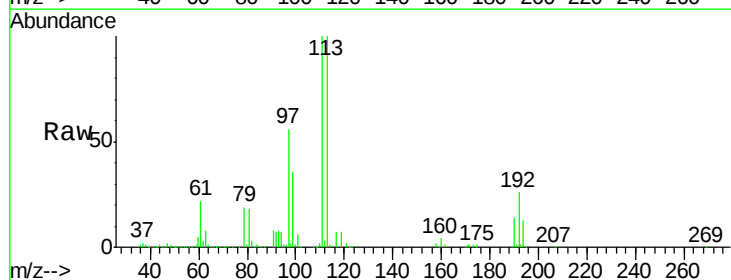
Manual Integrations
APPROVED

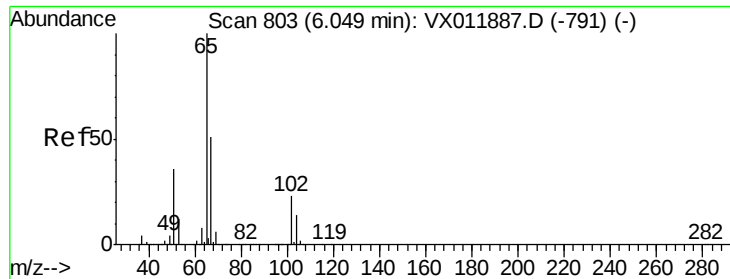
sam
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#32
1,1,1-Trichloroethane
Concen: 20.867 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.8
61	41.1	33.8	50.6





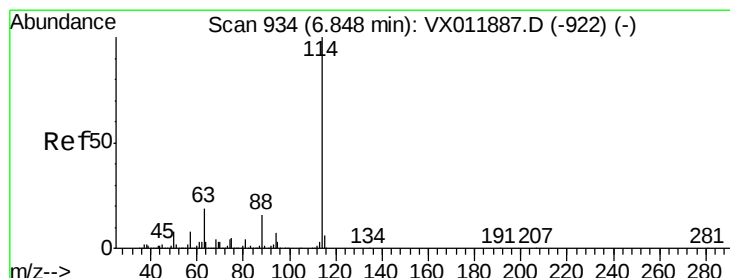
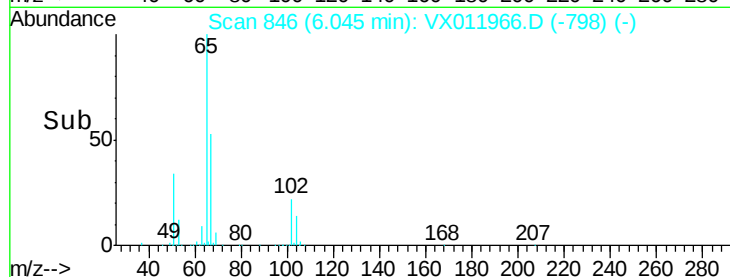
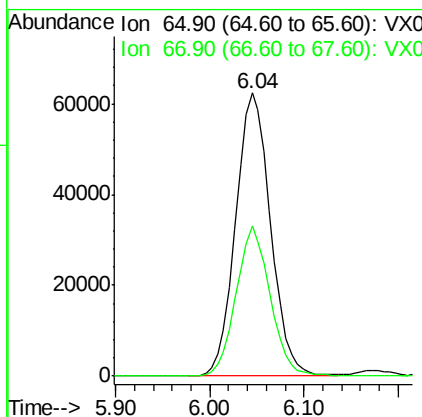
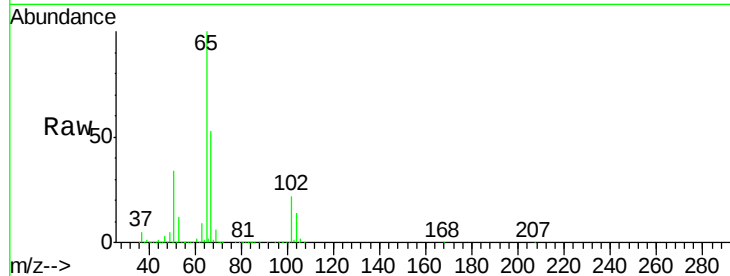
#33
 1,2-Dichloroethane-d4
 Concen: 52.837 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.8	0.0	102.2	

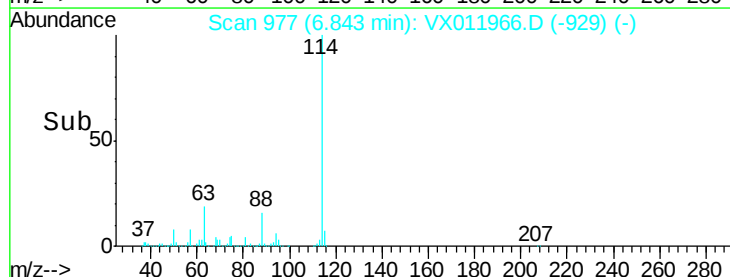
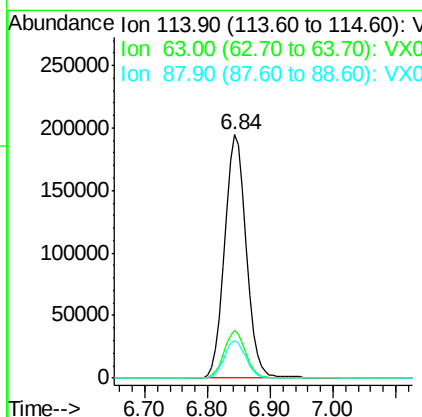
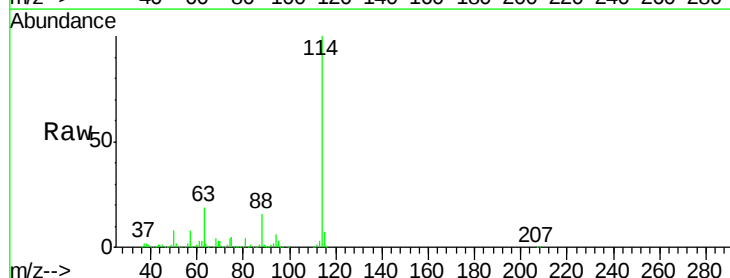
Manual Integrations
 APPROVED

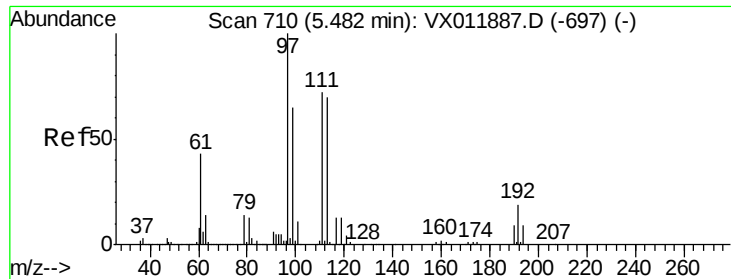
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	38.8	
88	15.6	0.0	31.2	





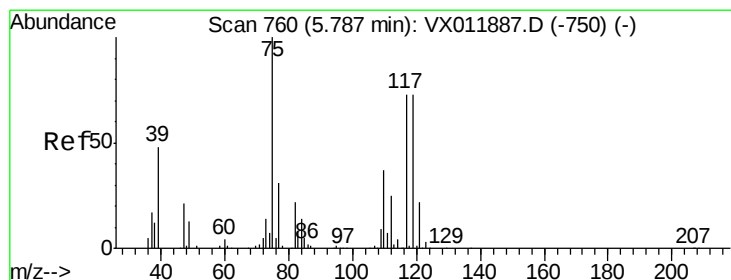
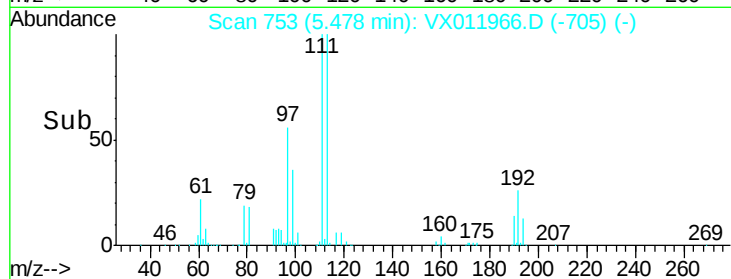
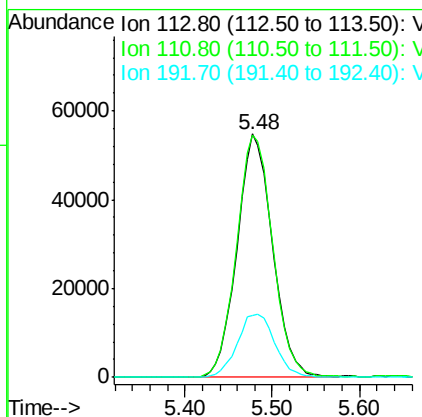
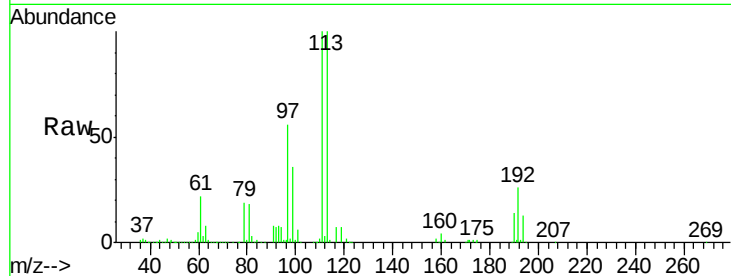
#35
 Dibromofluoromethane
 Concen: 51.763 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	154520		
111	101.7	82.1	123.1	
192	27.6	21.5	32.3	

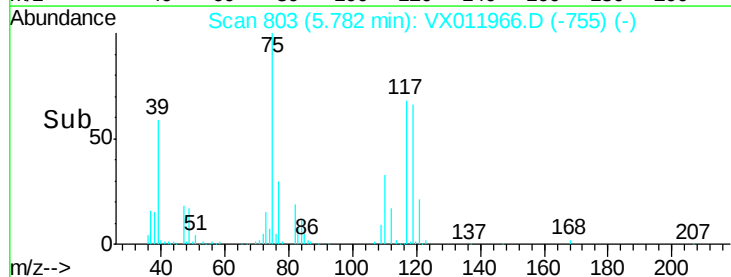
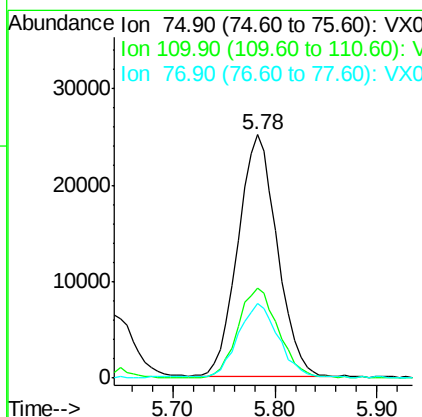
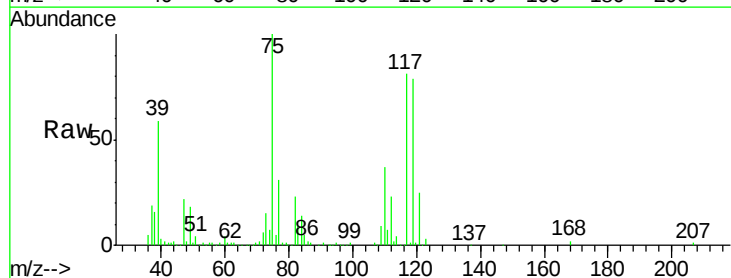
Manual Integrations
 APPROVED

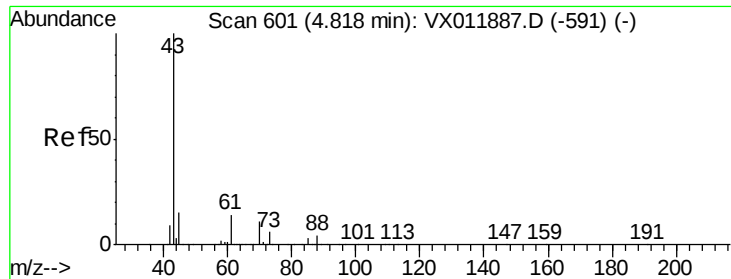
sam
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#36
 1,1-Dichloropropene
 Concen: 18.132 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	66871		
110	38.8	19.1	57.3	
77	30.9	24.4	36.6	





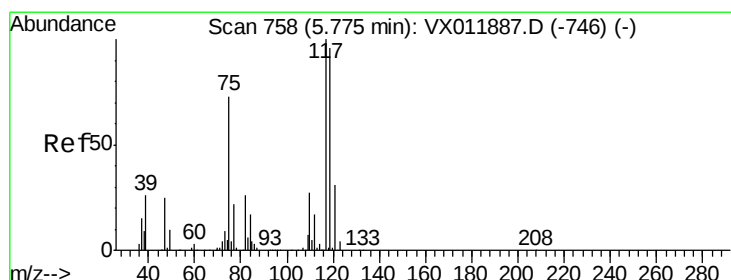
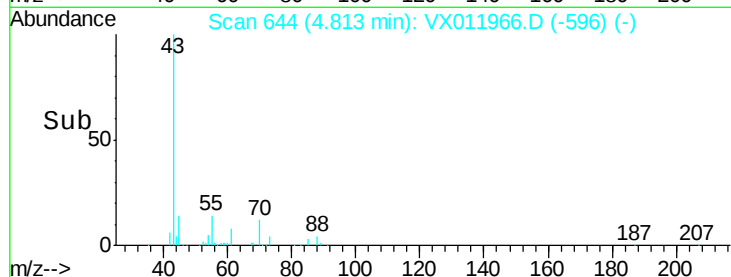
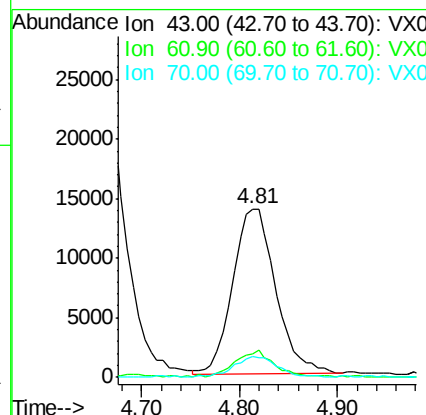
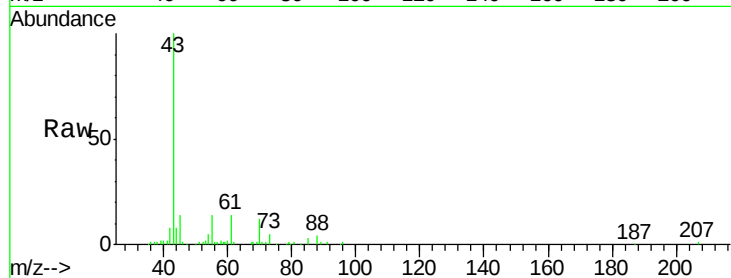
#37
Ethyl Acetate
Concen: 19.218 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampled :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	13.1	9.2	13.8

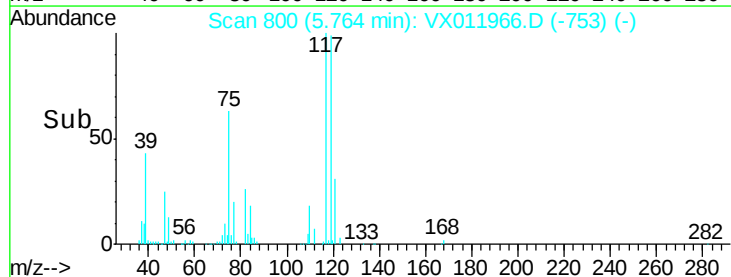
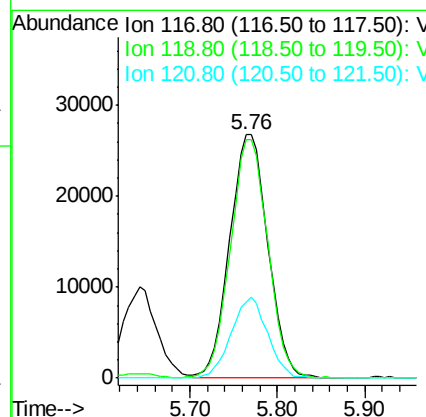
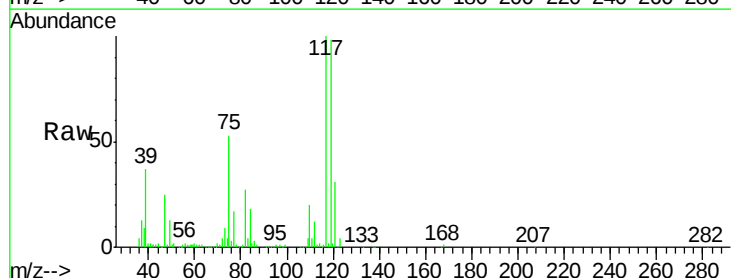
Manual Integrations
APPROVED

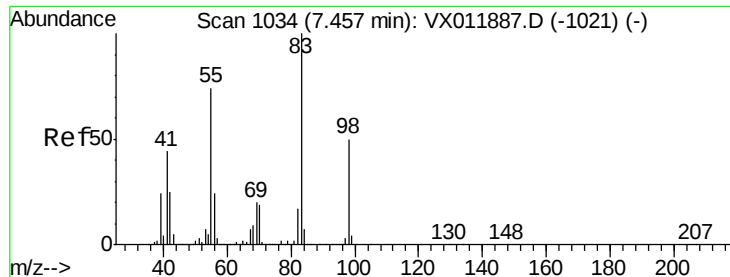
sam
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#38
Carbon Tetrachloride
Concen: 19.045 ug/l
RT: 5.76 min Scan# 800
Delta R.T. -0.01 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.6	114.8
121	31.1	24.7	37.1





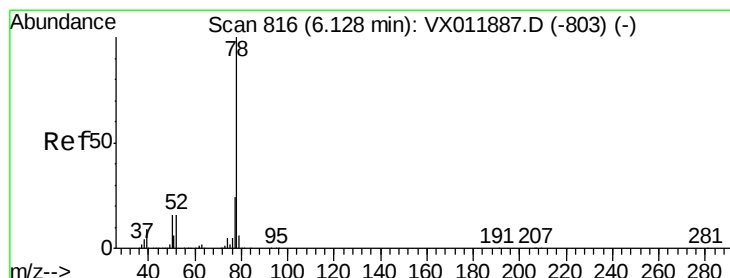
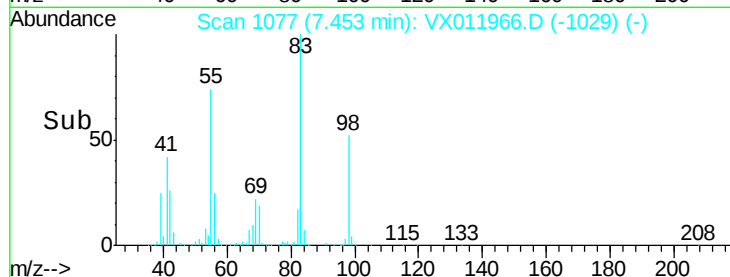
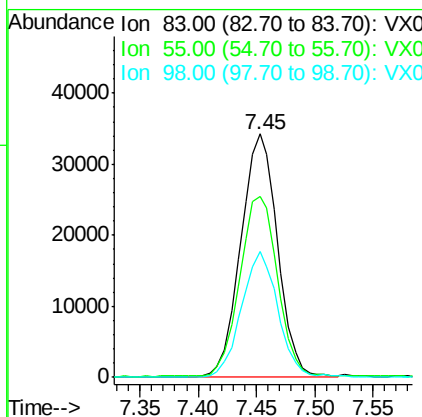
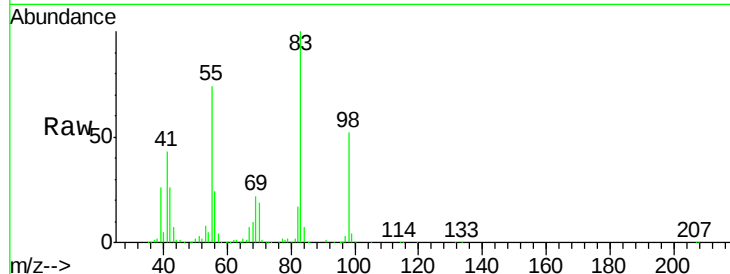
#39
Methvlcvclohexane
Concen: 17.075 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampled :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	59.4	89.0
98	51.9	40.3	60.5

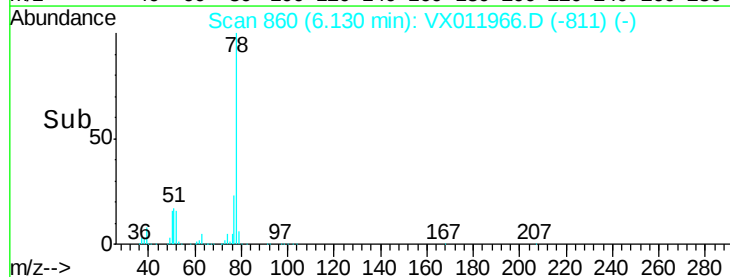
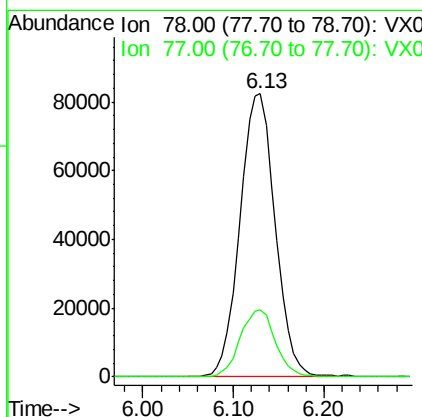
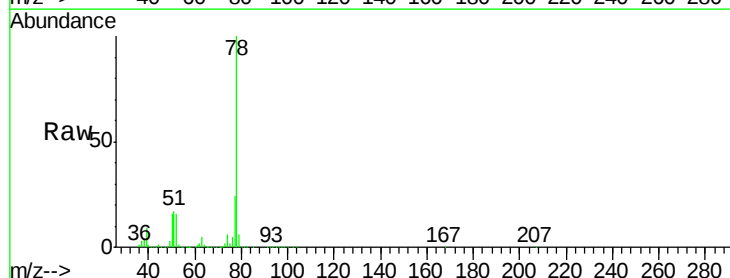
Manual Integrations
APPROVED

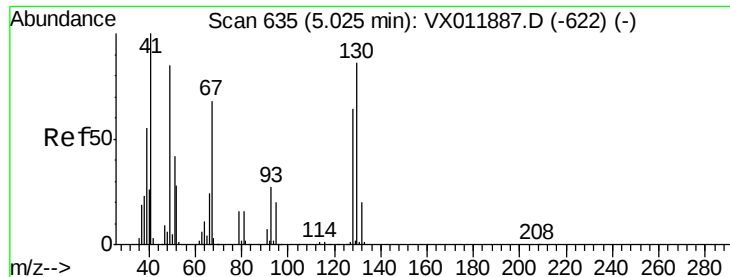
sam
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#40
Benzene
Concen: 20.123 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





#41

Methacrylonitrile

Concen: 20.267 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

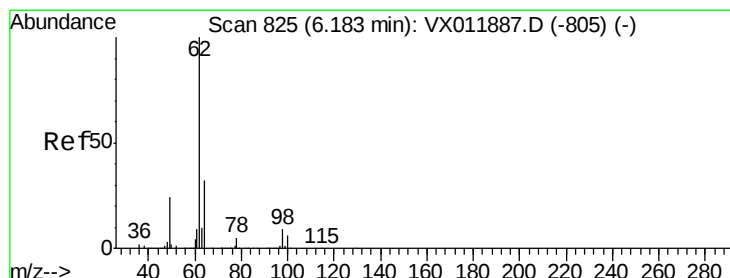
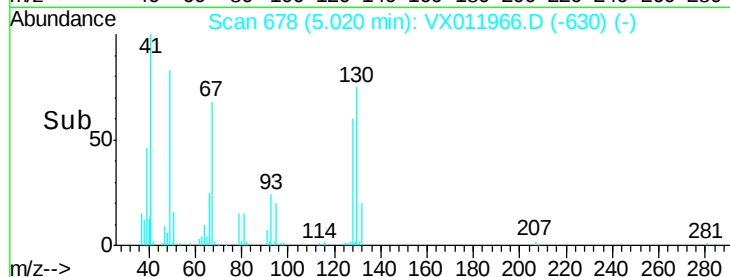
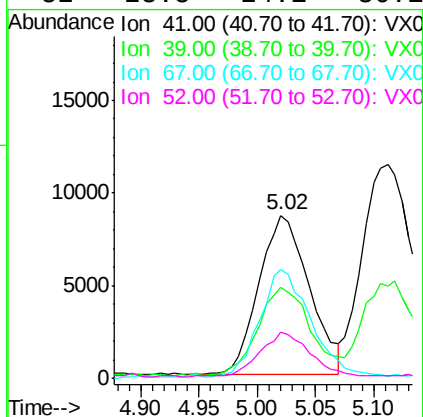
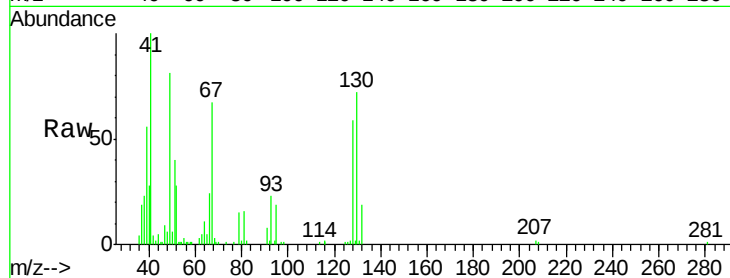
ClientSampled :

VX0831SBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.1	45.0	67.6	
67	67.7	55.0	82.4	
52	28.5	24.1	36.1	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.124 ug/l

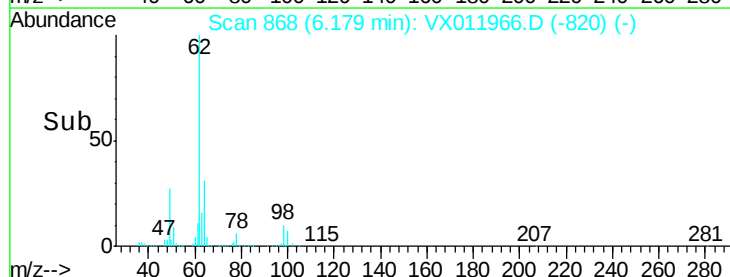
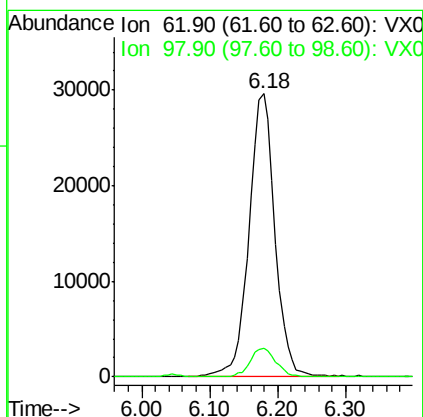
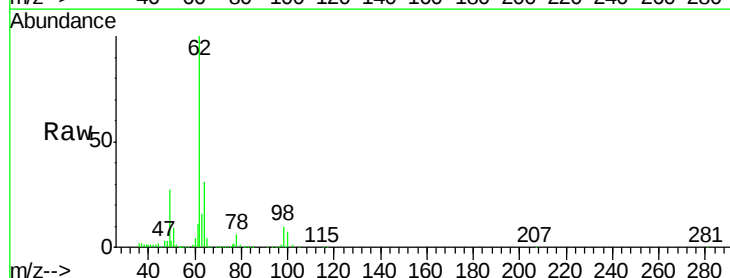
RT: 6.18 min Scan# 868

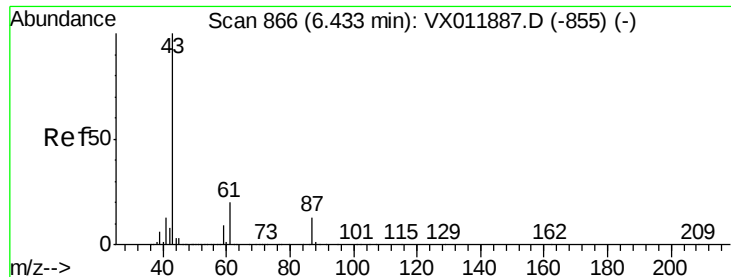
Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	19.2	





#43

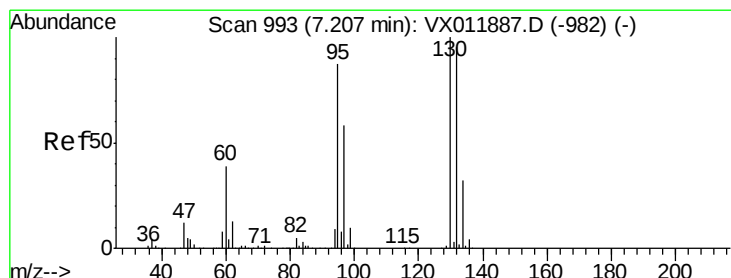
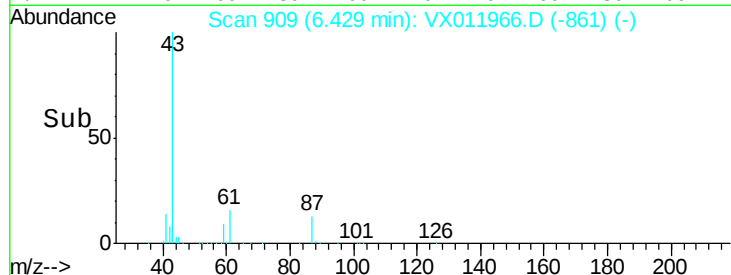
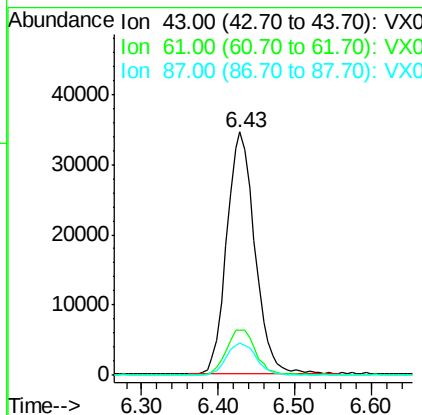
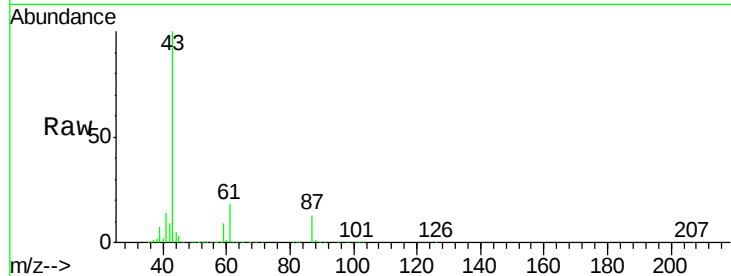
Isopropyl Acetate
 Concen: 19.720 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.1	24.1
87	14.2	10.6	16.0

Manual Integrations
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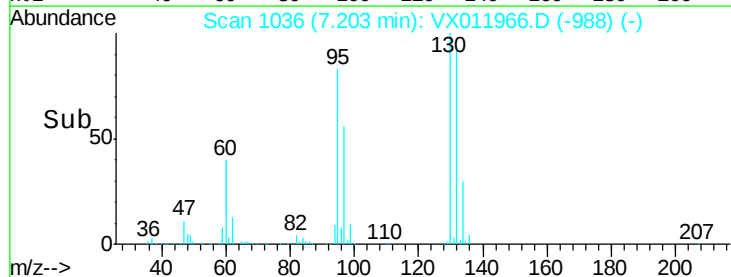
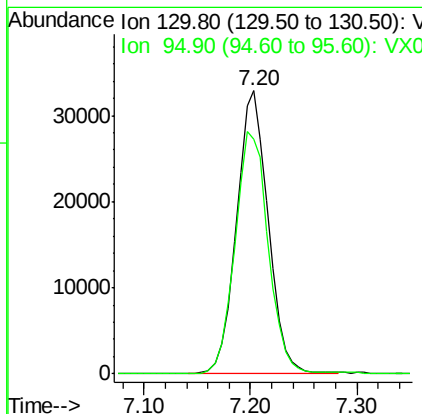
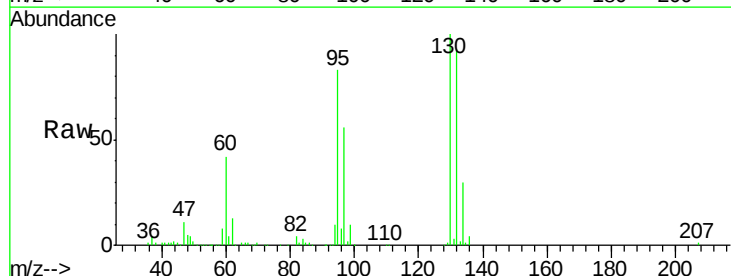
sam
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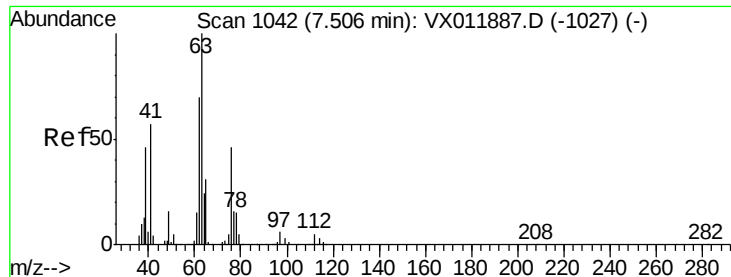


#44

Trichloroethene
 Concen: 20.159 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.0	0.0	174.6





#45

1,2-Dichloropropane

Concen: 20.684 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 63 Resp: 59563

Ion Ratio Lower Upper

63 100

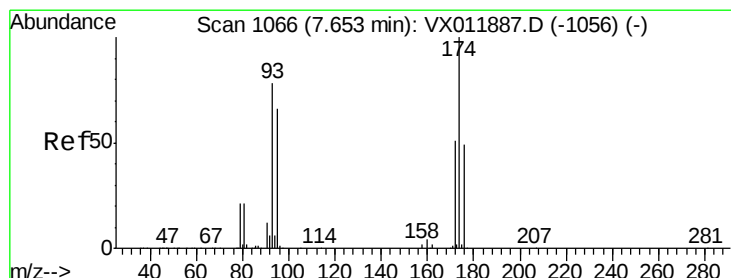
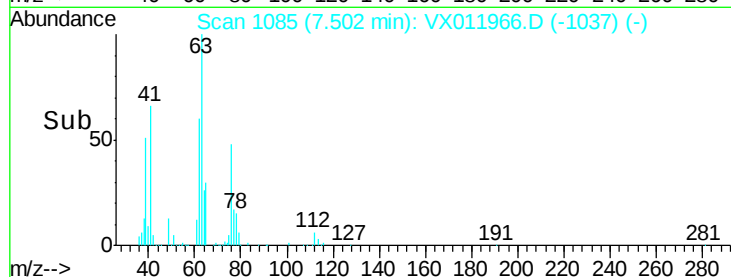
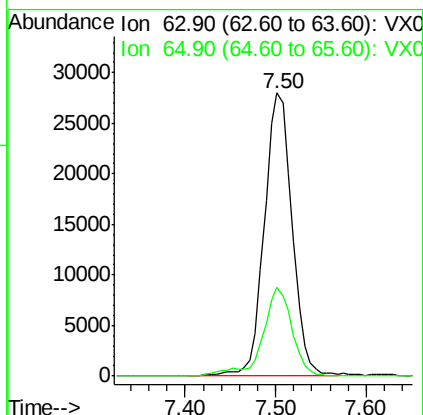
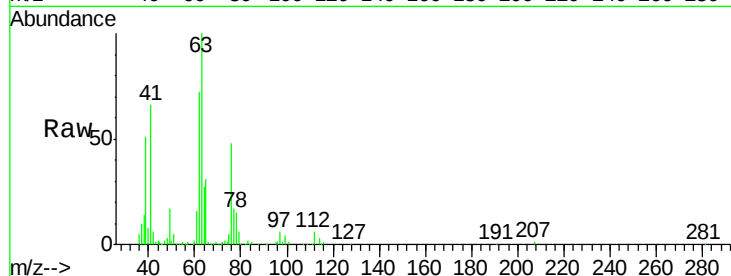
65 31.0 25.1 37.7

Manual Integrations

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sam

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#46

Dibromomethane

Concen: 21.068 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

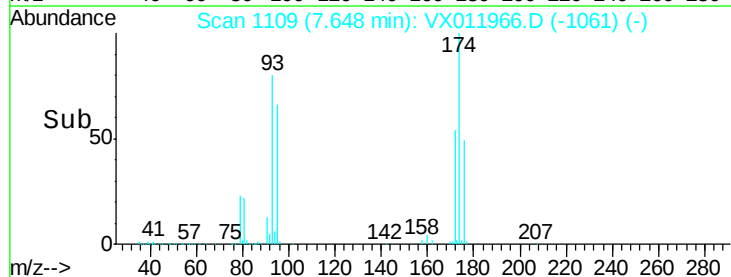
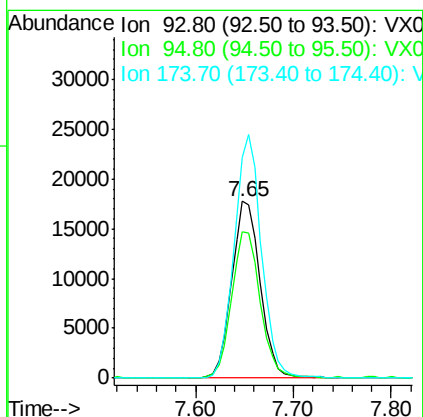
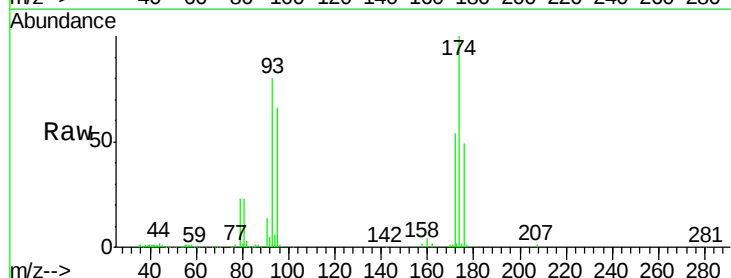
Tgt Ion: 93 Resp: 36005

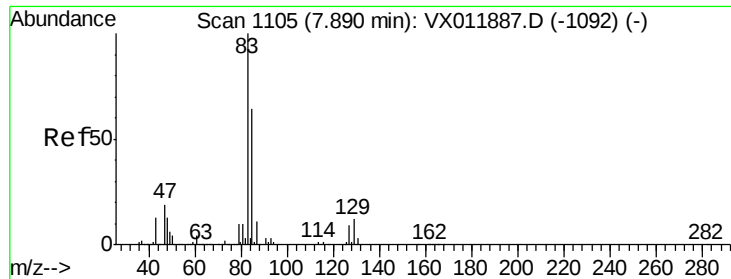
Ion Ratio Lower Upper

93 100

95 82.8 65.7 98.5

174 132.1 104.2 156.4





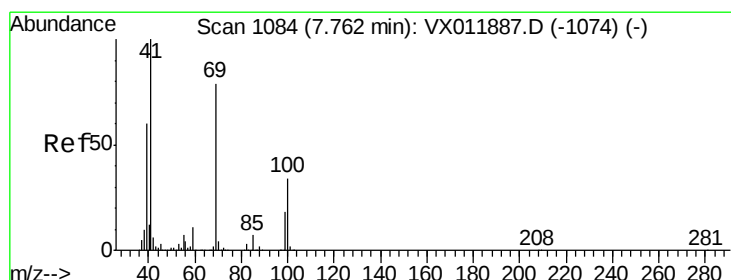
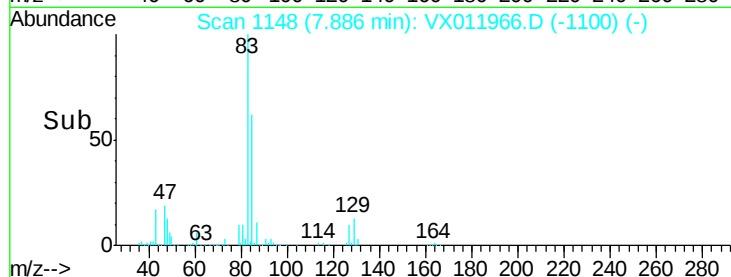
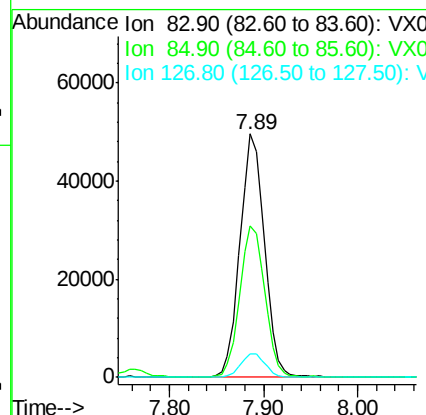
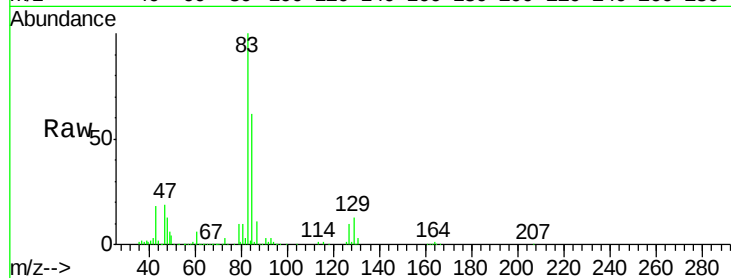
#47
Bromodichloromethane
Concen: 21.338 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	83	Resp	90424
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	51.1	76.7
127	9.9	7.4	11.2

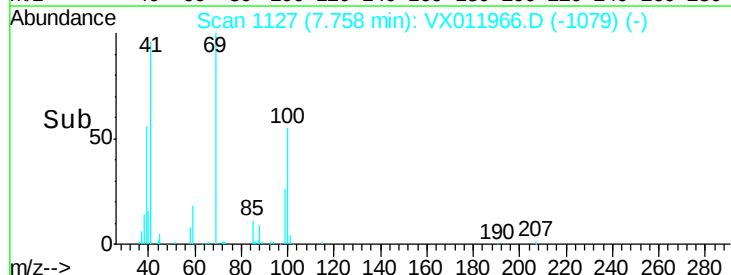
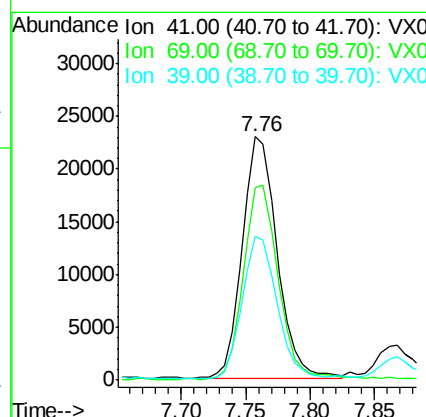
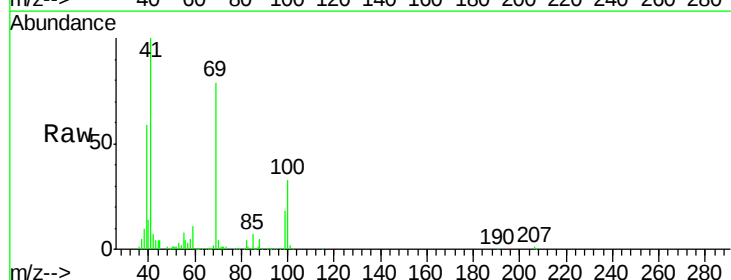
Manual Integrations
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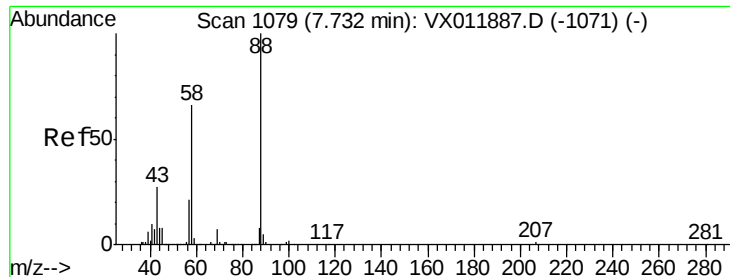
sam
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#48
Methyl methacrylate
Concen: 19.919 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	41	Resp	42898
Ion Ratio	100	Lower	Upper
41	100		
69	80.9	64.4	96.6
39	58.7	47.2	70.8





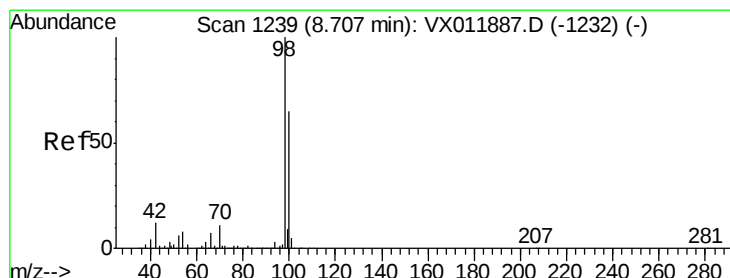
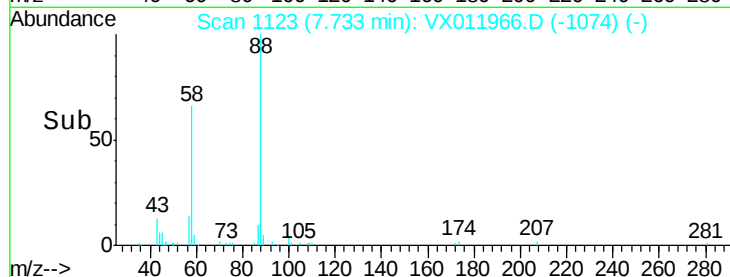
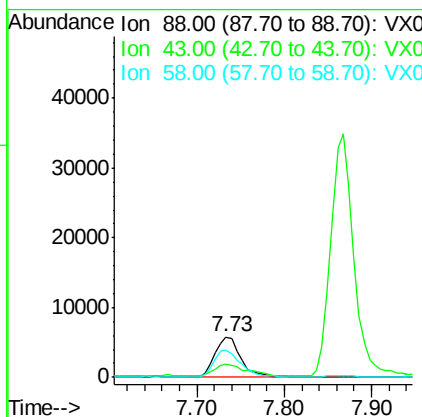
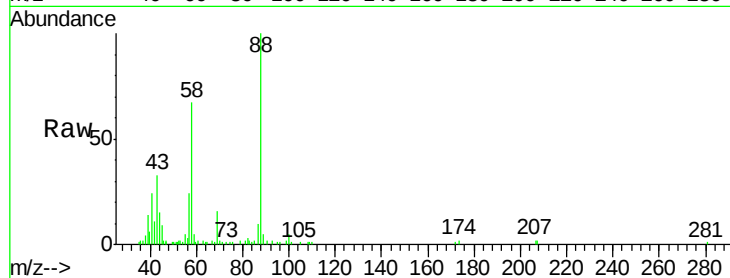
#49
1,4-Dioxane
Concen: 410.031 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	27.3	40.9
58	70.5	53.9	80.9

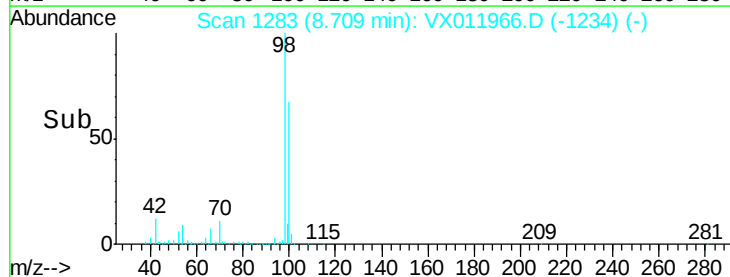
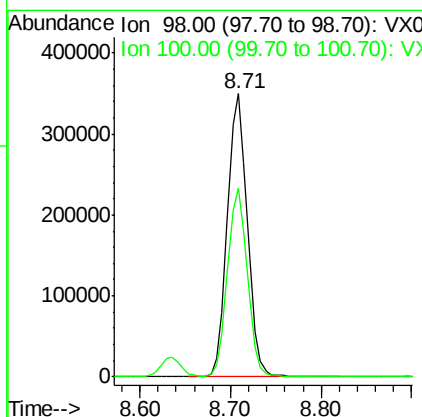
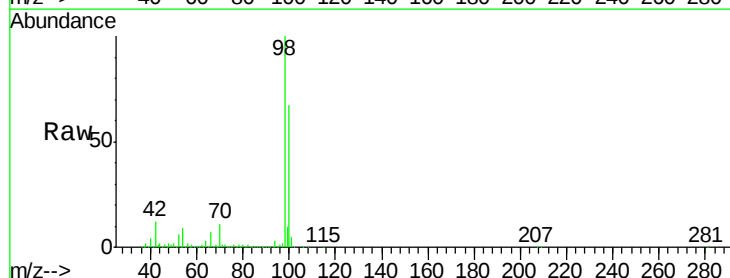
Manual Integrations
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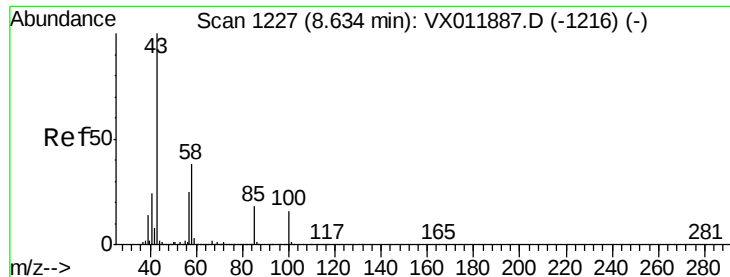
sam
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#50
Toluene-d8
Concen: 50.113 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.6





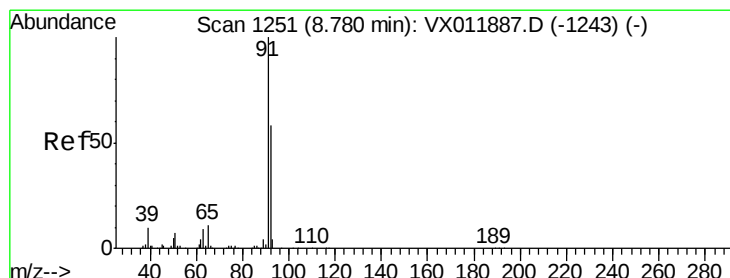
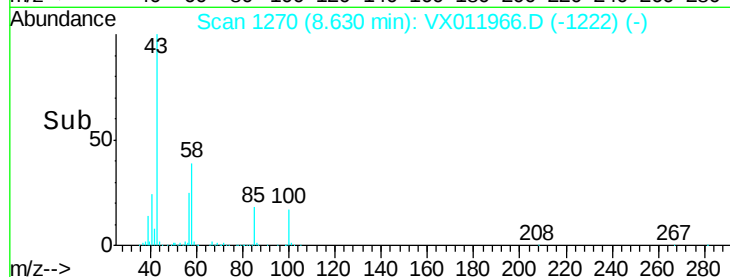
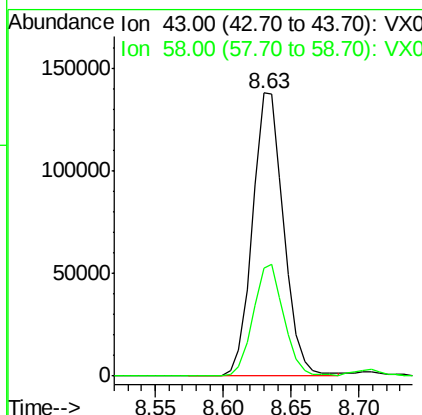
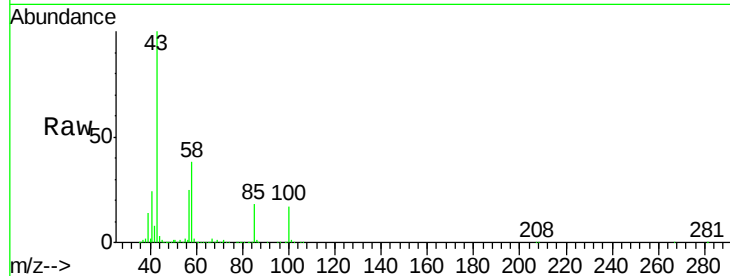
#51
 4-Methyl-2-Pentanone
 Concen: 98.478 ug/l
 RT: 8.63 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831SBS02

Tot Ion	43	Resp	221430
Ion Ratio	Lower	Upper	
43	100		
58	39.1	30.9	46.3

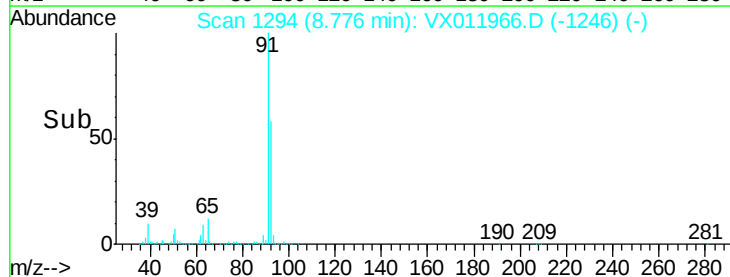
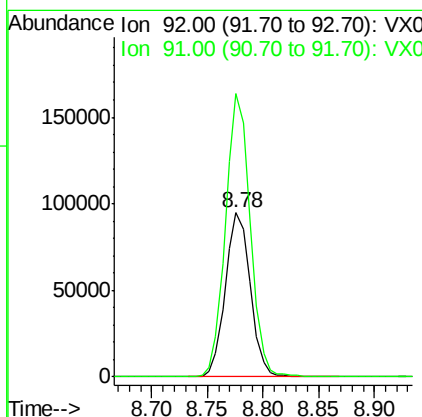
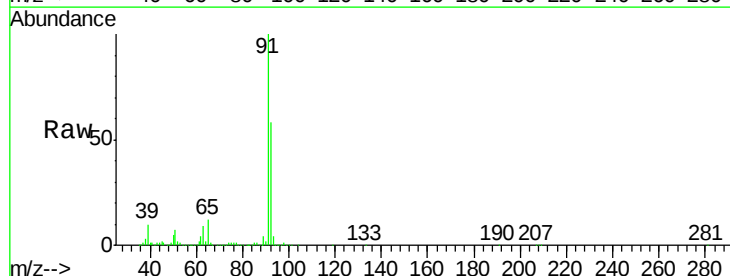
Manual Integrations
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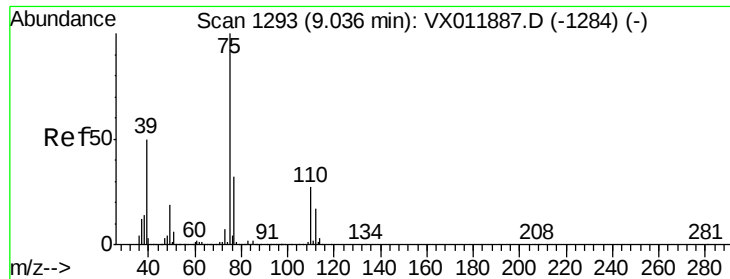
Sam
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#52
 Toluene
 Concen: 20.316 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Tgt Ion	92	Resp	147965
Ion Ratio	Lower	Upper	
92	100		
91	170.1	136.8	205.2





#53

t-1,3-Dichloropropene

Concen: 19.789 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 75 Resp: 85903

Ion Ratio Lower Upper

75 100

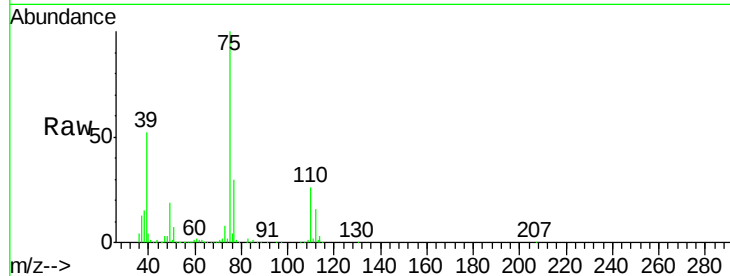
77 30.2 25.6 38.4

Manual Integrations

APPROVED

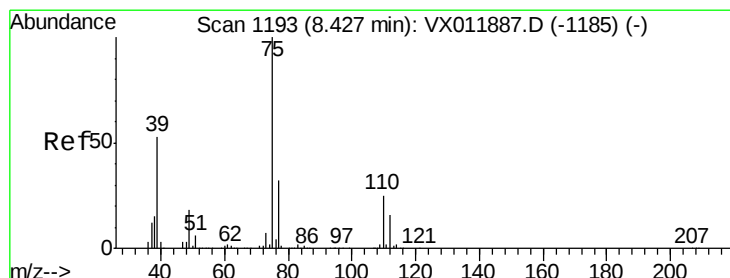
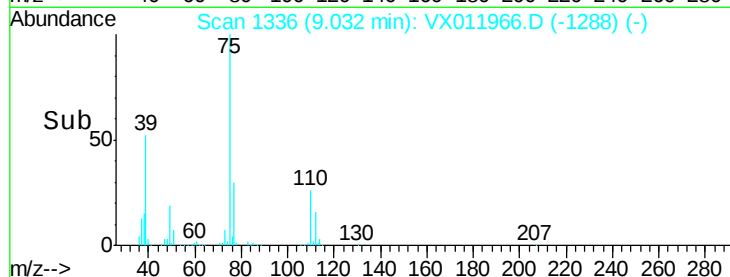
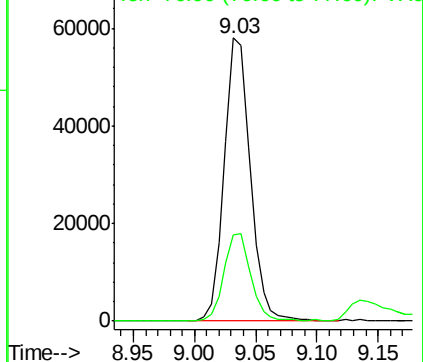
sam

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.127 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

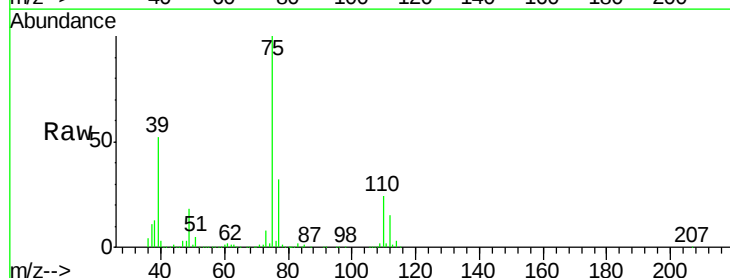
Tgt Ion: 75 Resp: 98077

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

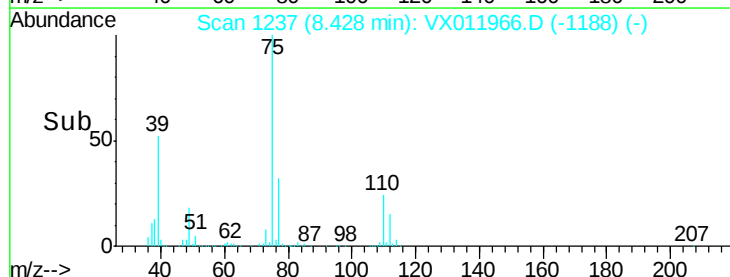
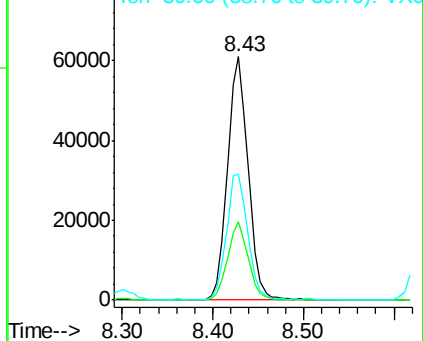
39 51.7 42.6 64.0

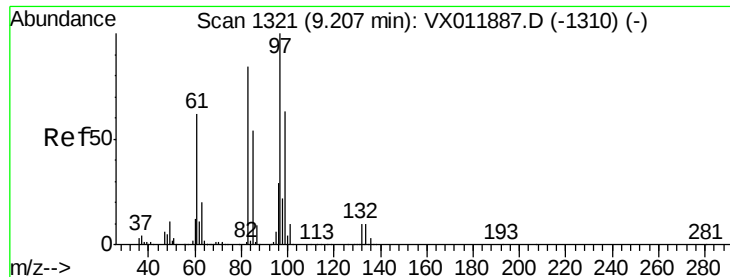


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





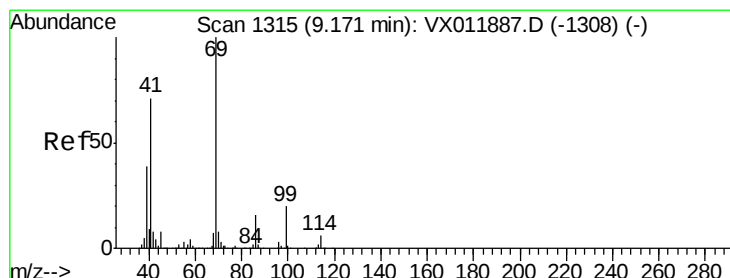
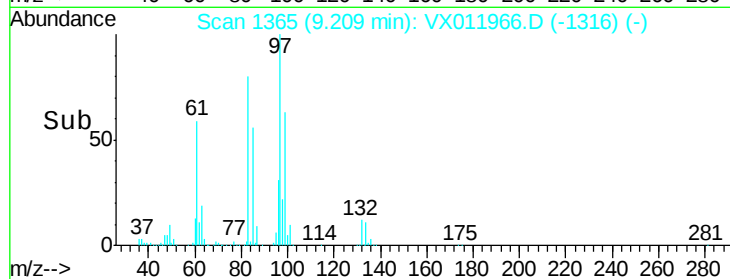
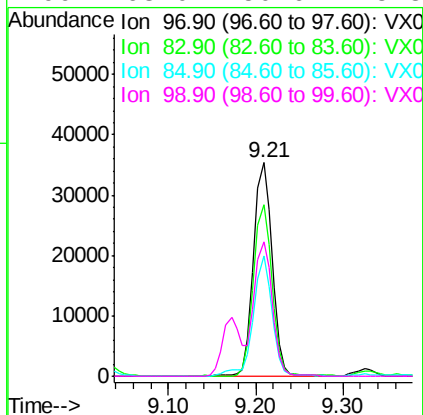
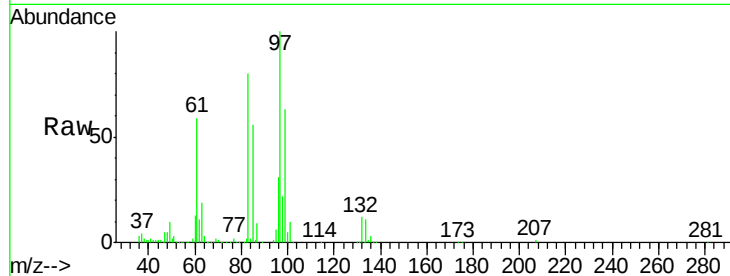
#55
 1,1,2-Trichloroethane
 Concen: 21.014 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion:	97	Resp:	52576
Ion	Ratio	Lower	Upper
97	100		
83	80.0	66.8	100.2
85	56.4	43.5	65.3
99	63.0	50.6	75.8

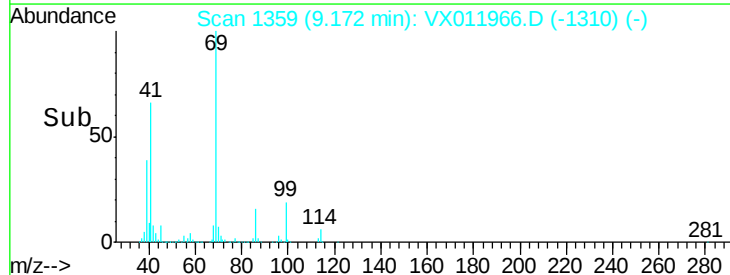
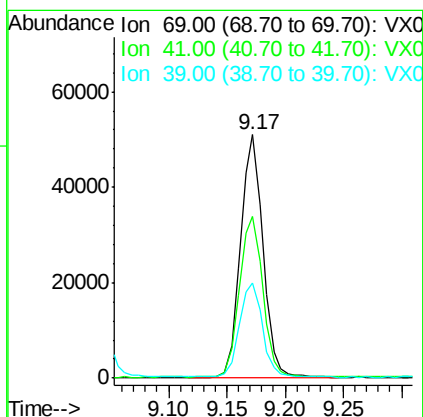
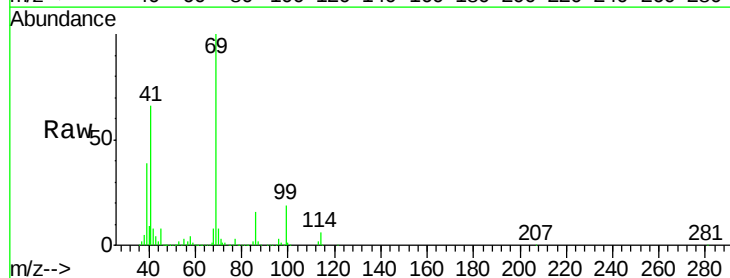
Manual Integrations
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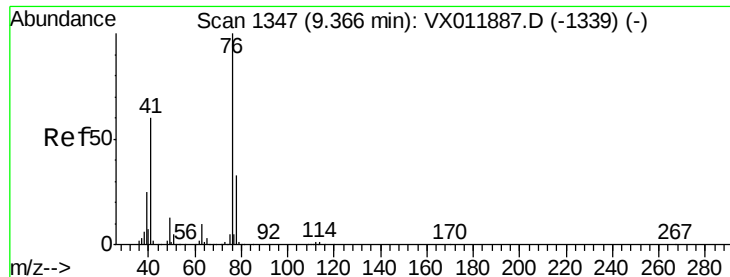
sam
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#56
 Ethyl methacrylate
 Concen: 19.926 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Tgt Ion:	69	Resp:	69189
Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.8	83.8
39	40.4	31.1	46.7





#57

1,3-Dichloropropane

Concen: 20.585 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 76 Resp: 85484

Ion Ratio Lower Upper

76 100

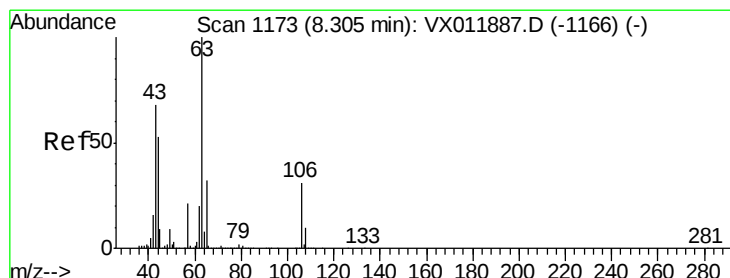
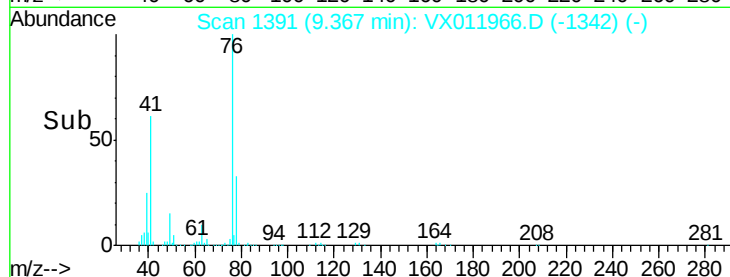
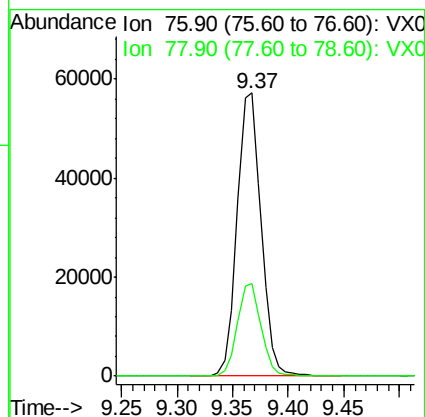
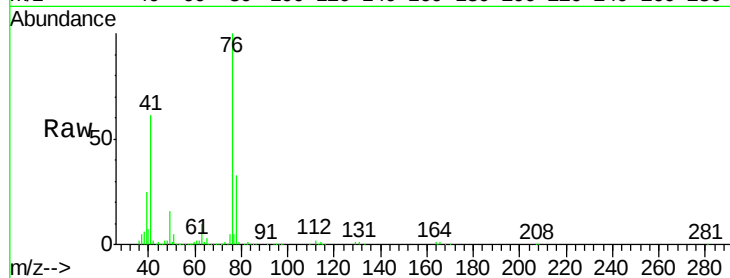
78 32.7 26.4 39.6

Manual Integrations

APPROVED

sam

9/3/2019 12:52:42 PM



#58

2-Chloroethyl Vinyl ether

Concen: 99.174 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VX011966.D

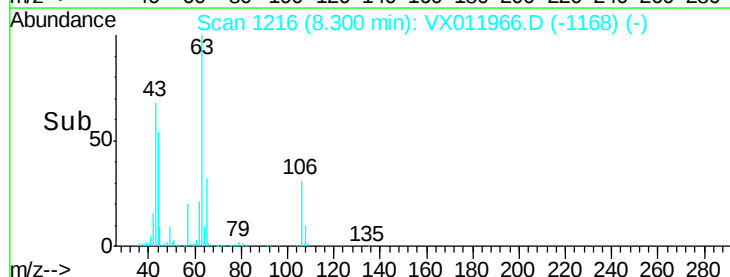
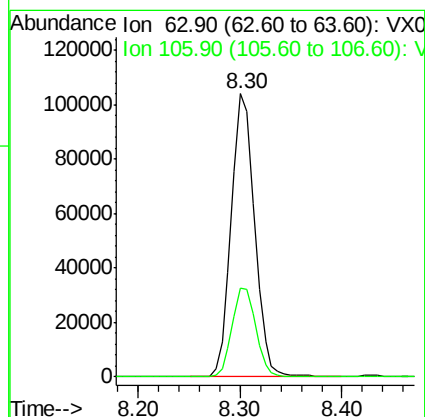
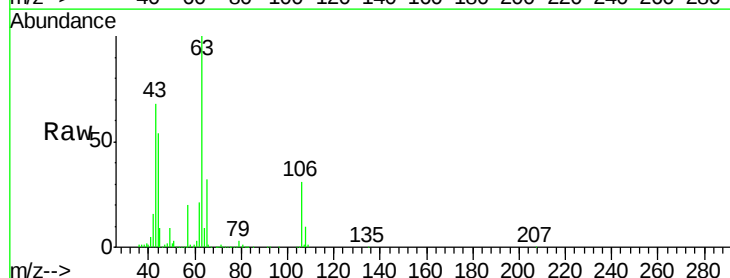
Acq: 31 Aug 2019 23:21

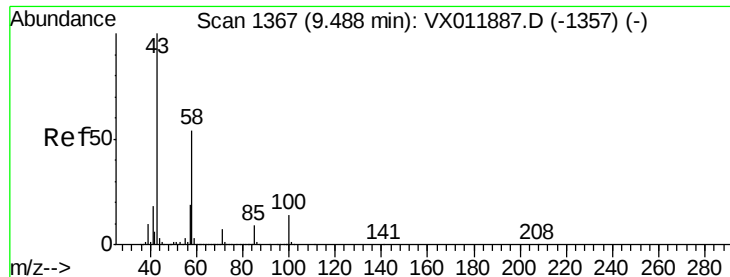
Tgt Ion: 63 Resp: 164019

Ion Ratio Lower Upper

63 100

106 32.3 24.8 37.2





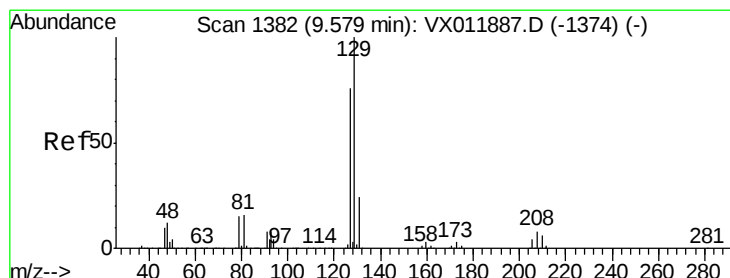
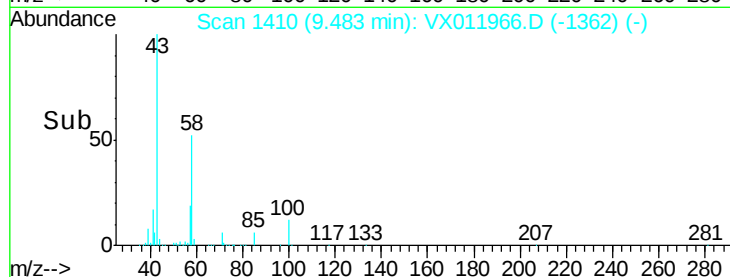
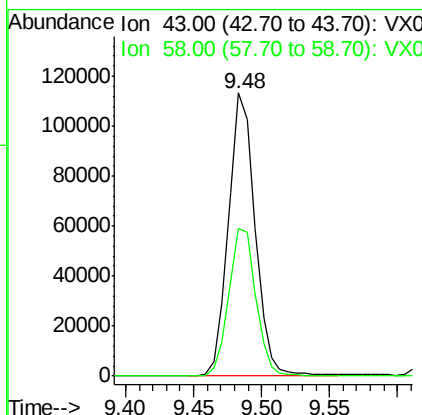
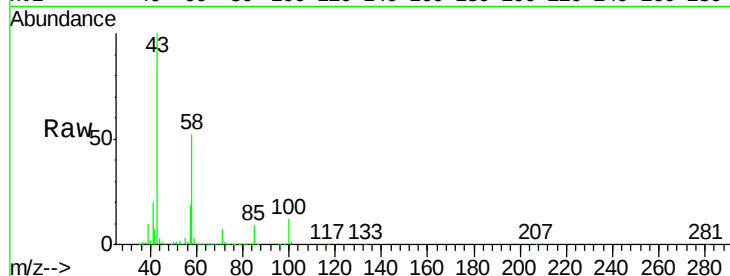
#59
2-Hexanone
Concen: 96.335 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion: 43 Resp: 153868
Ion Ratio Lower Upper
43 100
58 53.8 26.8 80.4

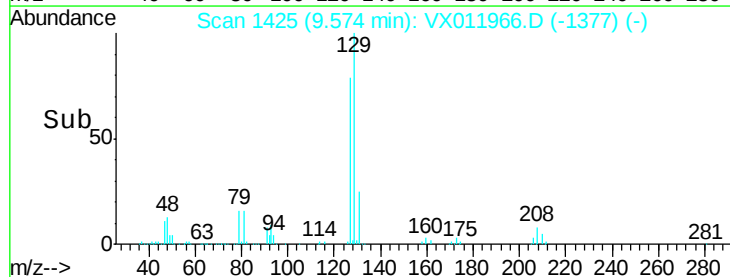
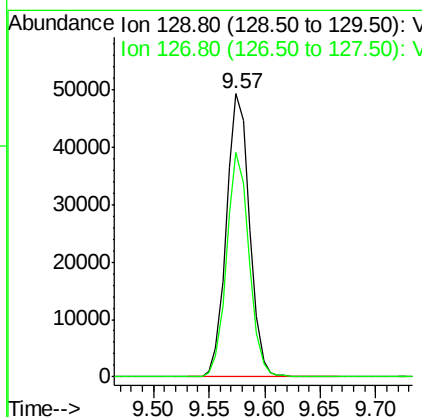
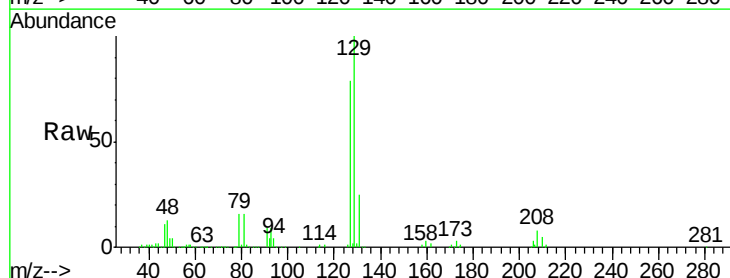
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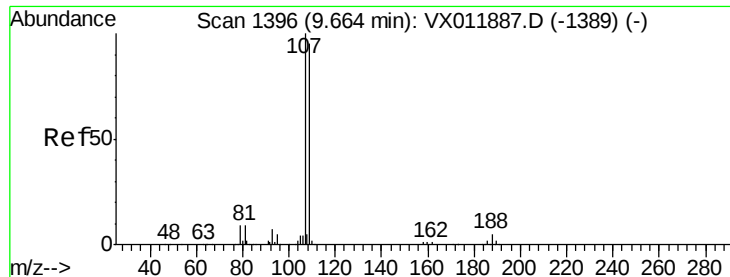
sam
9/3/2019 12:52:42 PM



#60
Dibromochloromethane
Concen: 21.103 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion: 129 Resp: 70912
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.7





#61

1,2-Dibromoethane

Concen: 20.612 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion:107 Resp: 51128

Ion Ratio Lower Upper

107 100

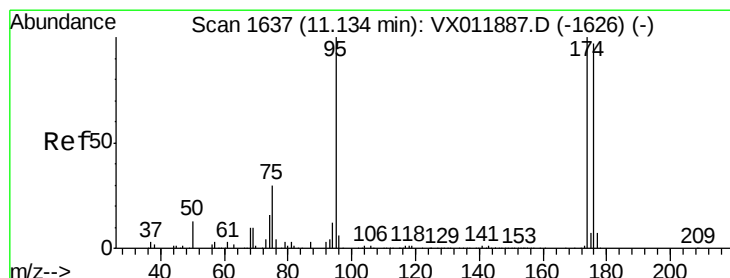
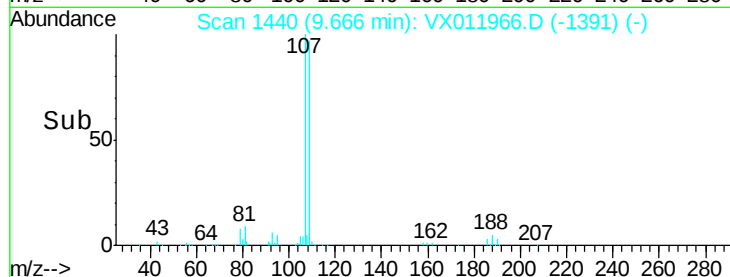
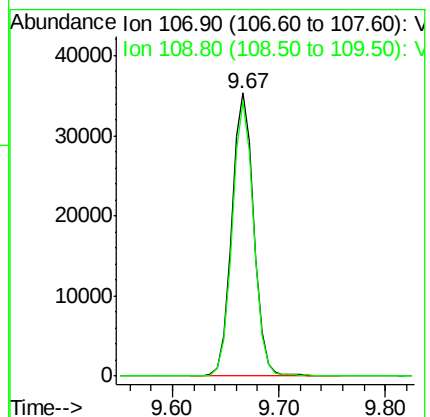
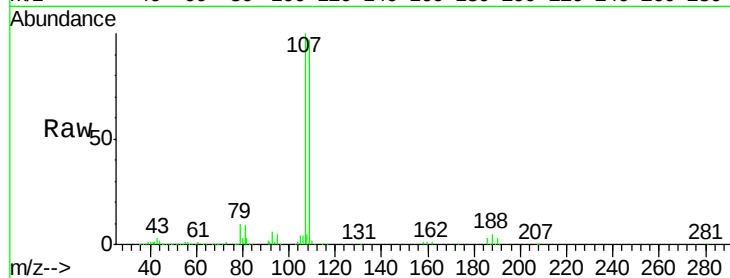
109 95.2 75.3 112.9

Manual Integrations

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sam

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#62

4-Bromofluorobenzene

Concen: 48.450 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

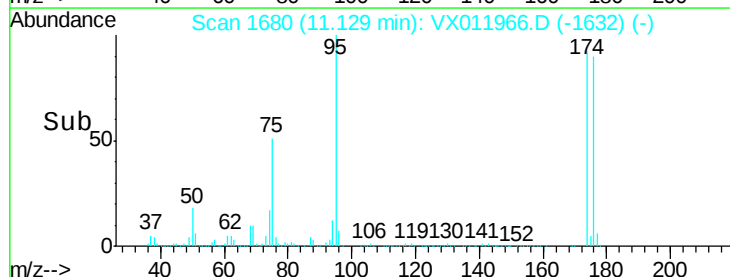
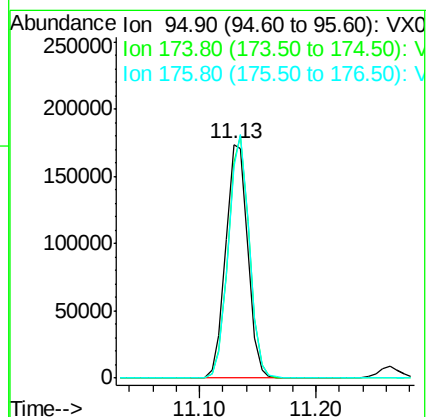
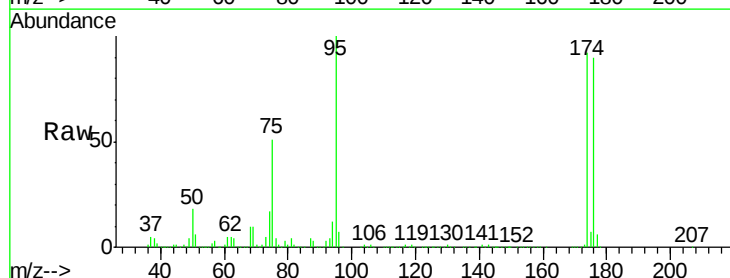
Tgt Ion: 95 Resp: 226794

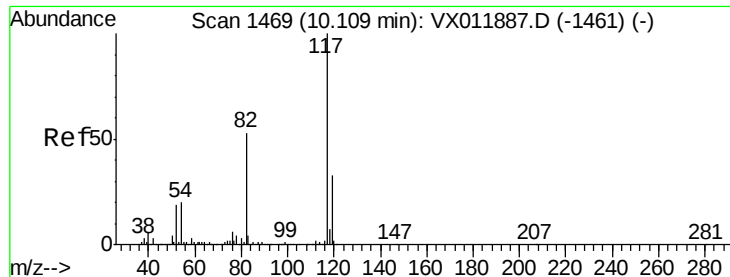
Ion Ratio Lower Upper

95 100

174 99.6 0.0 196.0

176 98.9 0.0 191.4





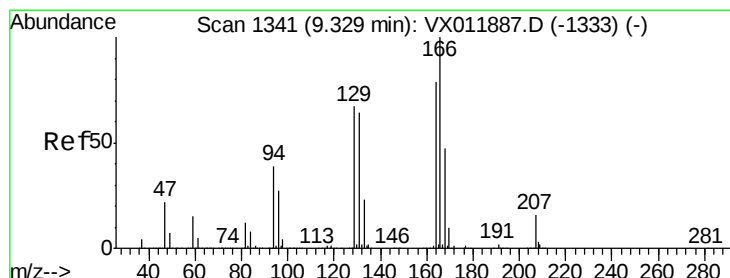
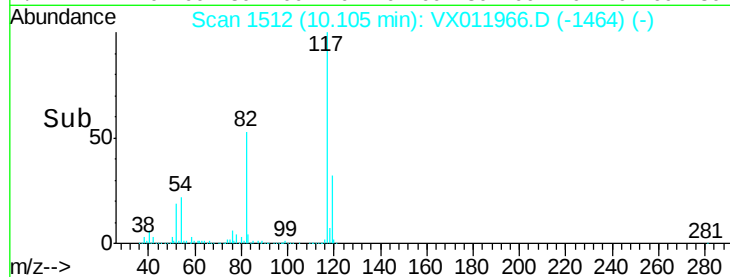
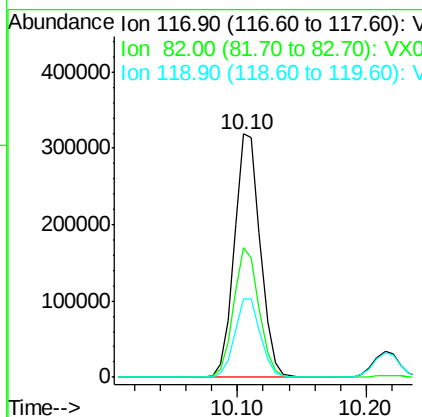
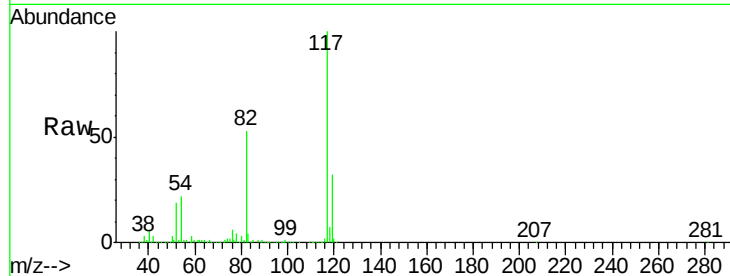
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.0	63.0
119	32.2	26.2	39.4

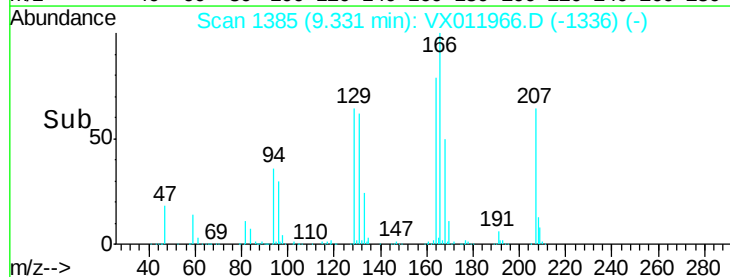
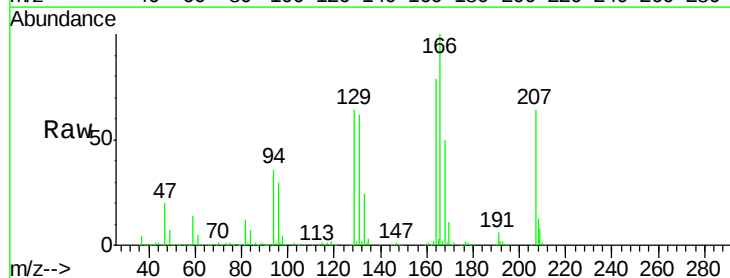
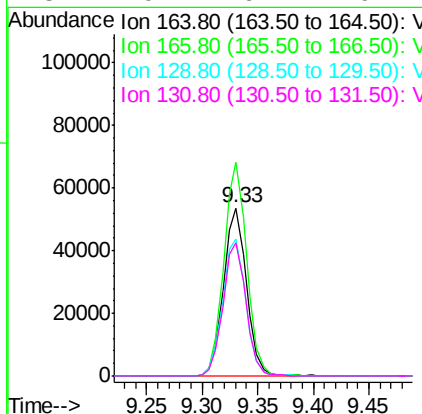
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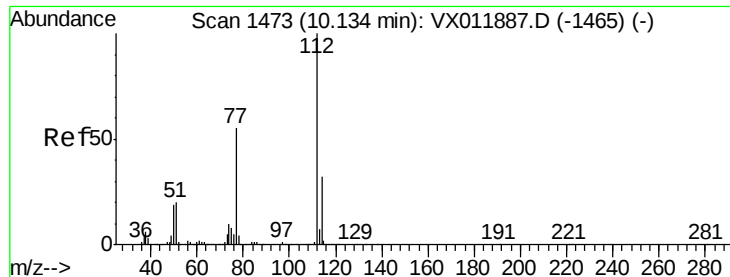
sam
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#64
Tetrachloroethene
Concen: 21.259 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.4	152.0
129	81.5	68.0	102.0
131	79.2	64.7	97.1





#65

Chlorobenzene

Concen: 20.462 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion:112 Resp: 176961

Ion Ratio Lower Upper

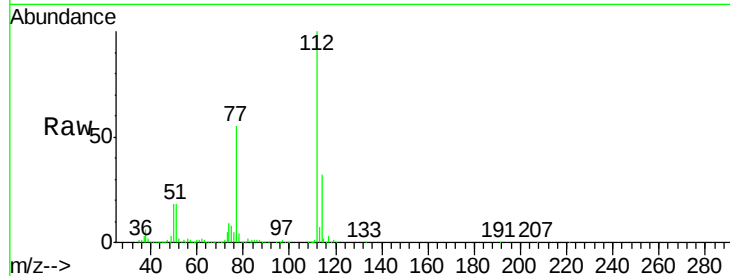
112 100

114 31.6 25.9 38.9

Manual Integrations
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sam

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

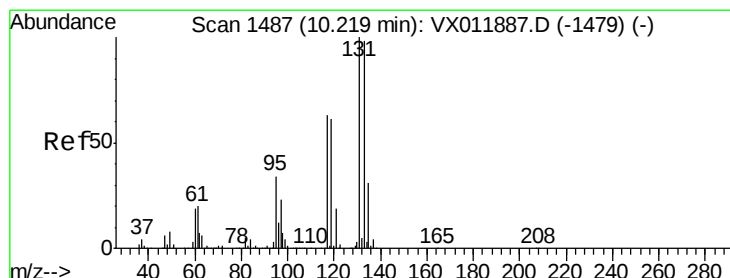
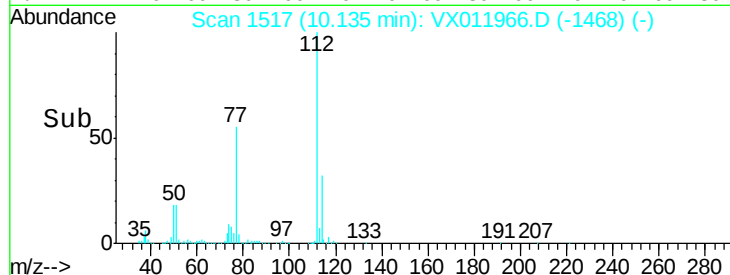
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.169 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

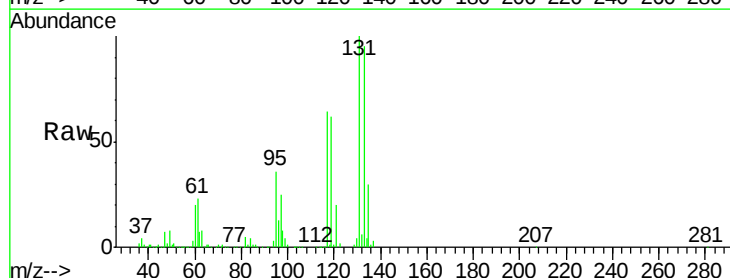
Tgt Ion:131 Resp: 74033

Ion Ratio Lower Upper

131 100

133 95.4 48.4 145.0

119 60.5 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

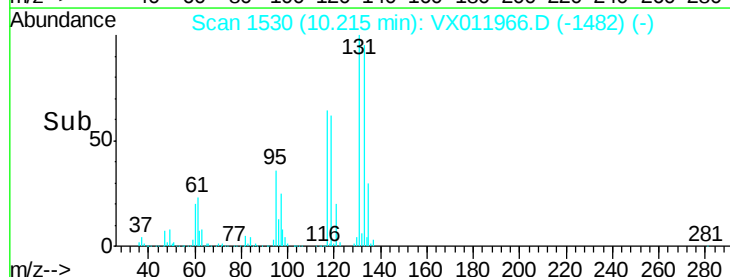
10.21

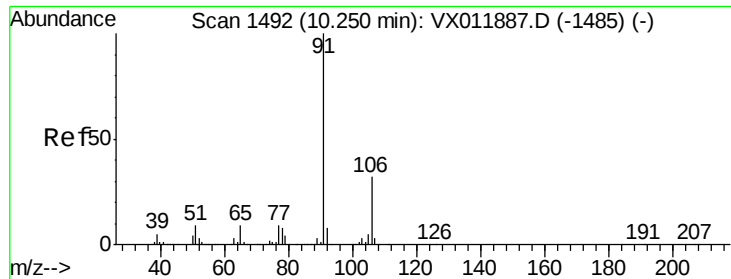
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 19.839 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 91 Resp: 291838

Ion Ratio Lower Upper

91 100

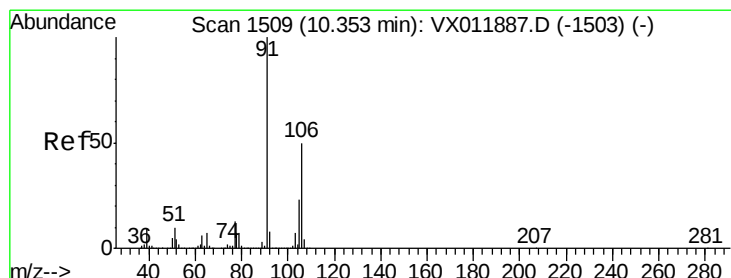
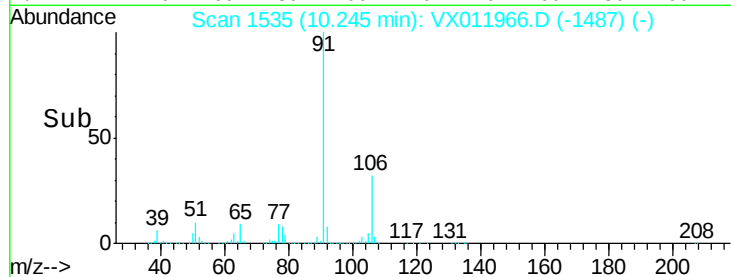
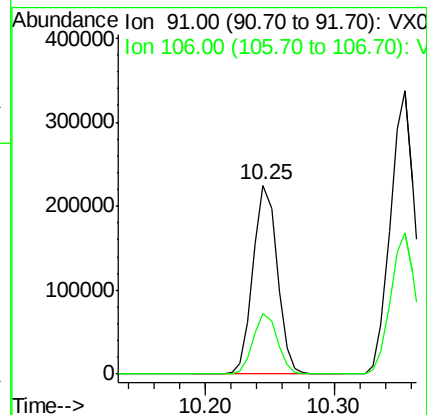
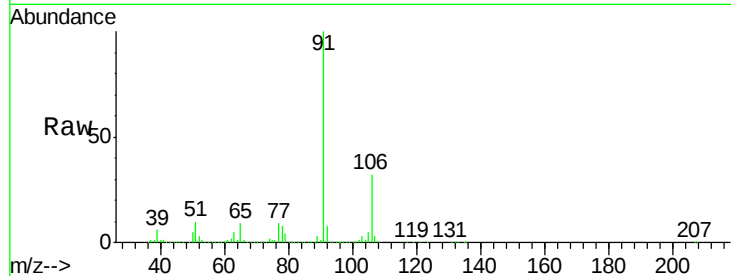
106 31.9 25.8 38.8

Manual Integrations

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sam

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#68

m/p-Xylenes

Concen: 39.882 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX011966.D

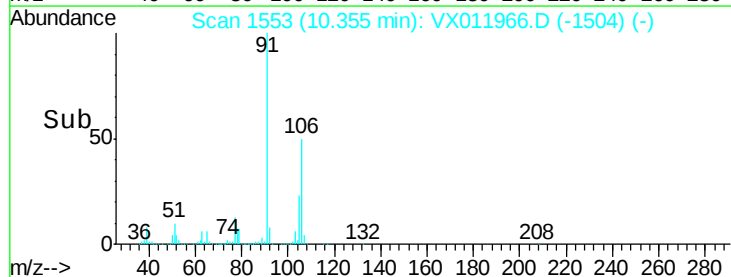
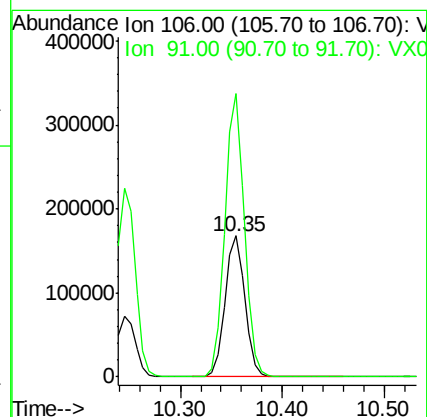
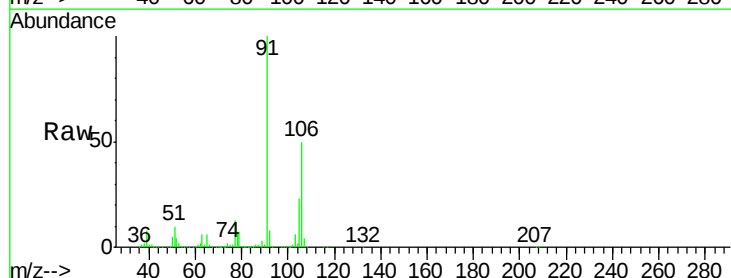
Acq: 31 Aug 2019 23:21

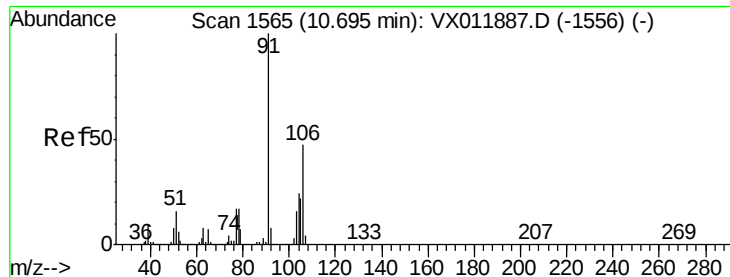
Tgt Ion: 106 Resp: 226540

Ion Ratio Lower Upper

106 100

91 198.7 158.6 237.8





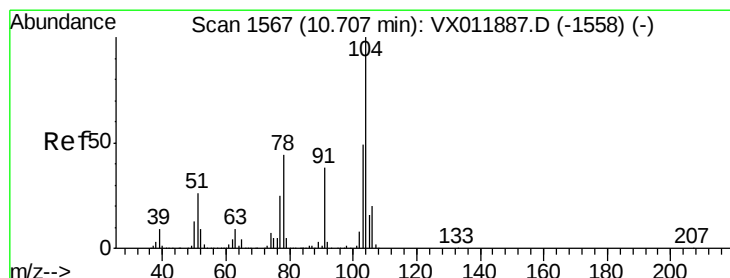
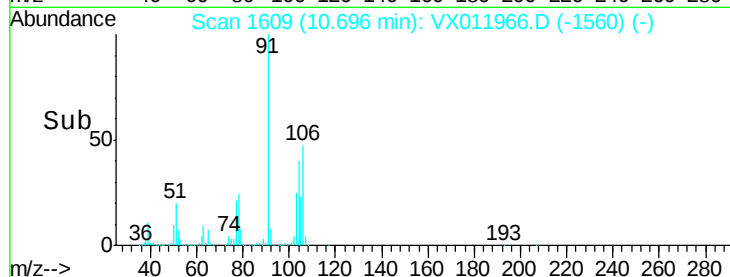
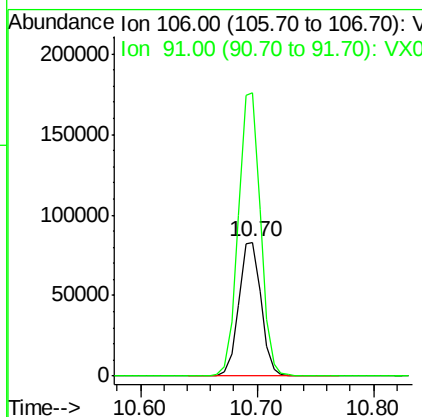
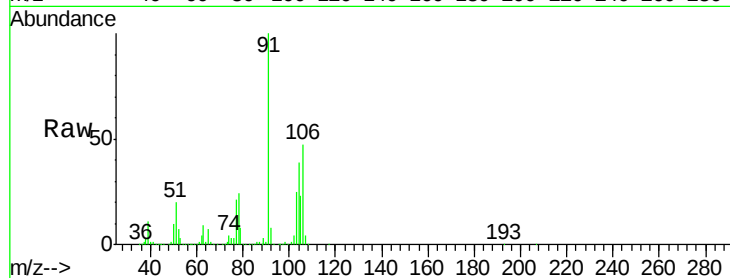
#69
o-Xylene
Concen: 20.142 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	111491		
91	209.8	104.8	314.6	

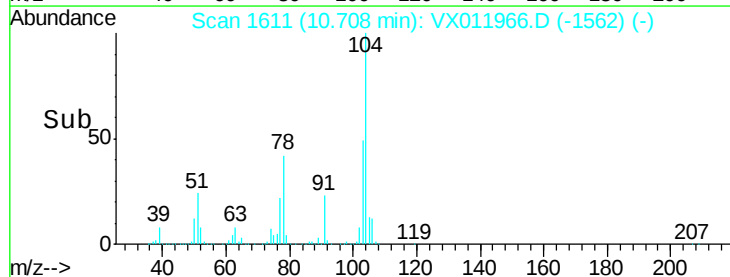
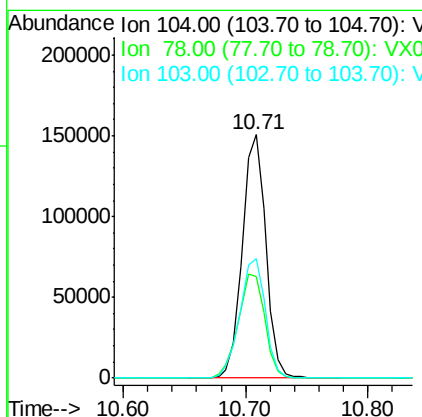
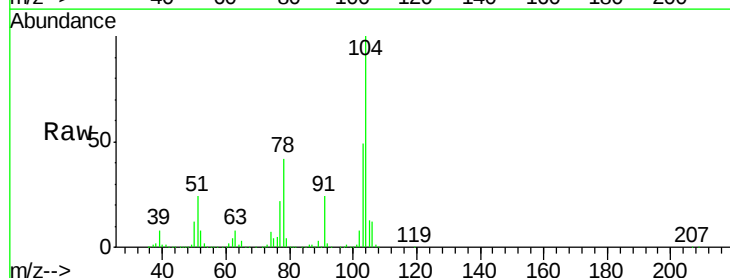
Manual Integrations
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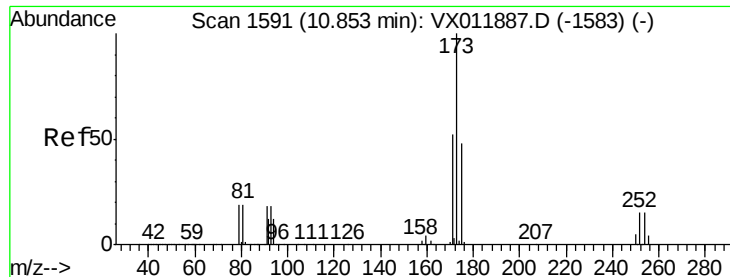
sam
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#70
Styrene
Concen: 20.562 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	200616		
78	48.1	39.2	58.8	
103	54.0	43.0	64.6	





#71

Bromoform

Concen: 20.436 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion:173 Resp: 50535

Ion Ratio Lower Upper

173 100

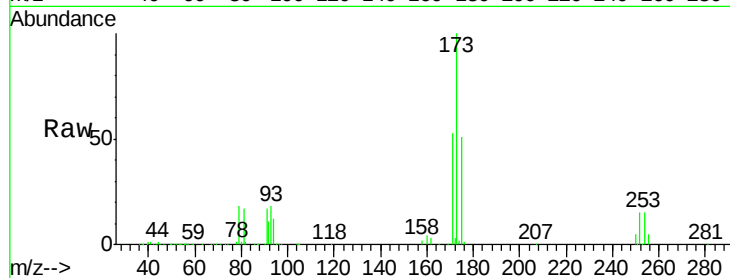
175 48.8 24.4 73.2

254 0.1 0.1 0.1#

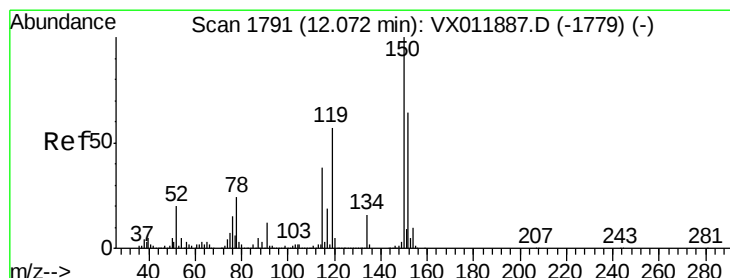
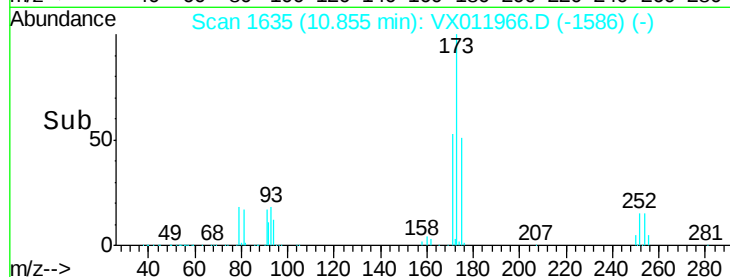
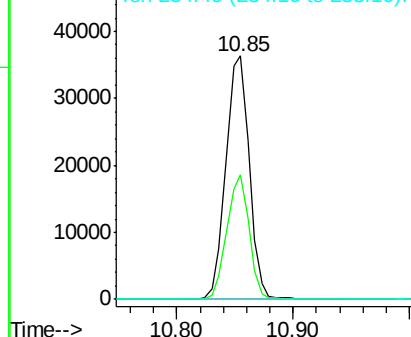
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

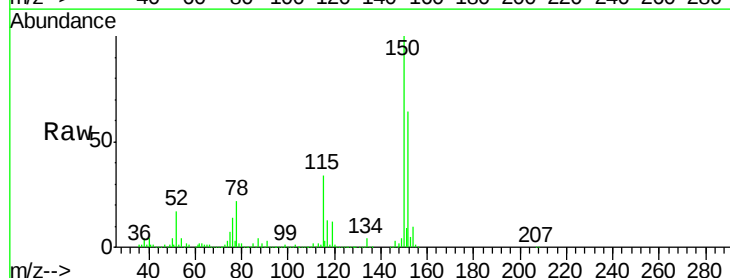
Tgt Ion:152 Resp: 261660

Ion Ratio Lower Upper

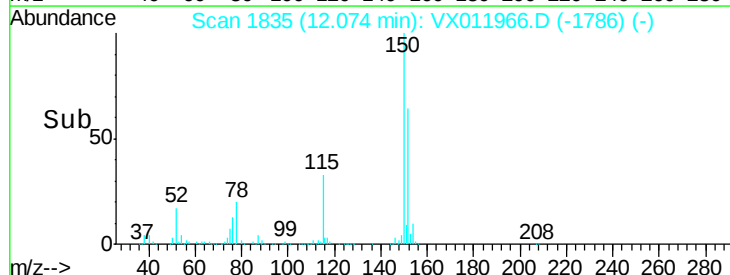
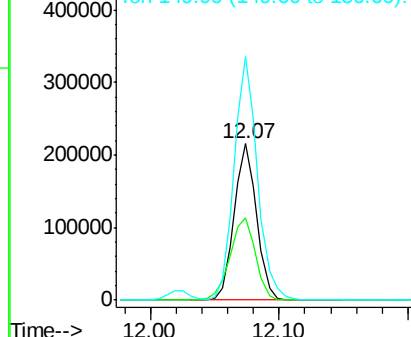
152 100

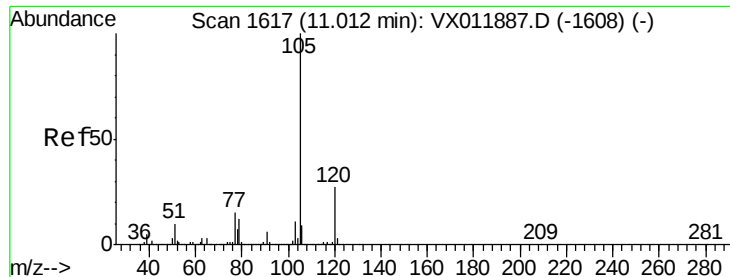
115 60.7 37.1 111.3

150 162.2 0.0 339.6



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





#73

Isopropylbenzene

Concen: 19.653 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion: 105 Resp: 295469

Ion Ratio Lower Upper

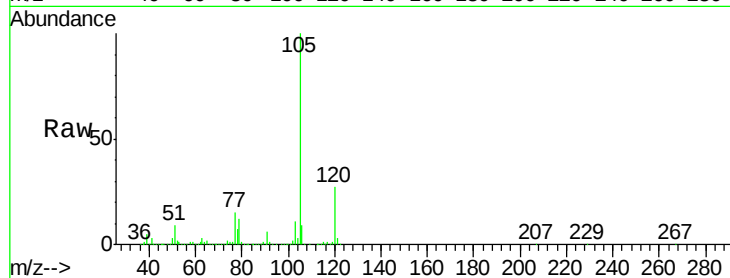
105 100

120 27.4 13.8 41.4

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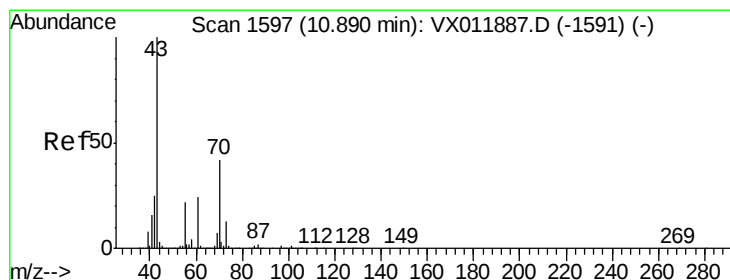
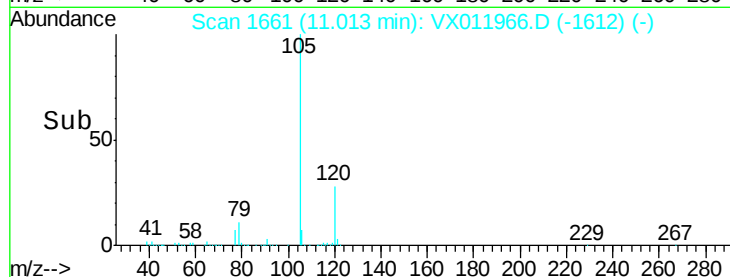
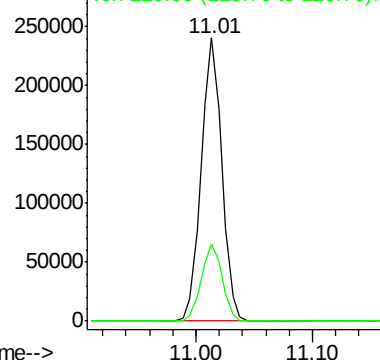
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.522 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Tgt Ion: 43 Resp: 82640

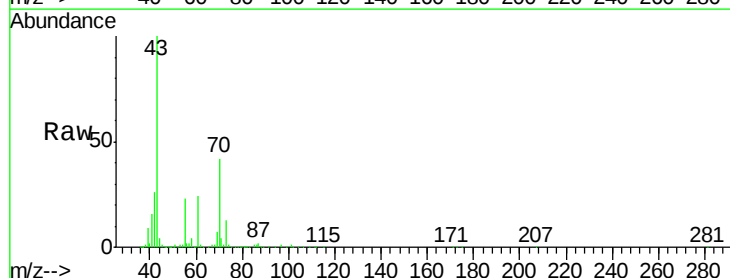
Ion Ratio Lower Upper

43 100

70 43.3 0.2 0.2#

55 22.9 0.1 0.1#

61 24.7 16.4 24.6#

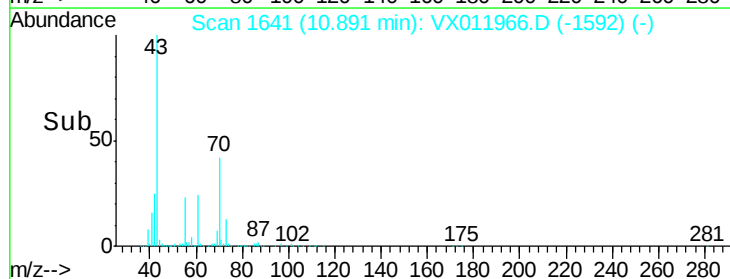
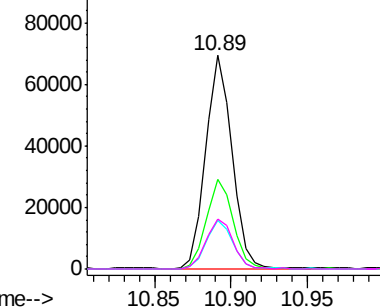


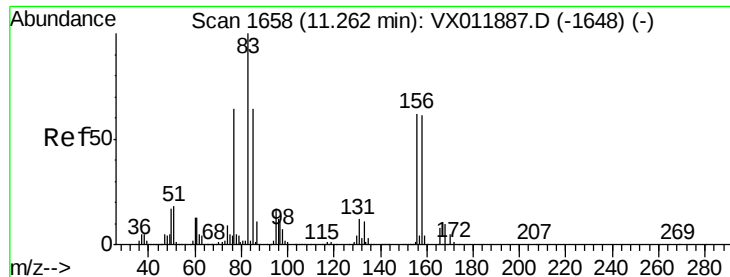
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.914 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampled :

VX0831SBS02

Tot Ion: 83 Resp: 61273

Ion Ratio Lower Upper

83 100

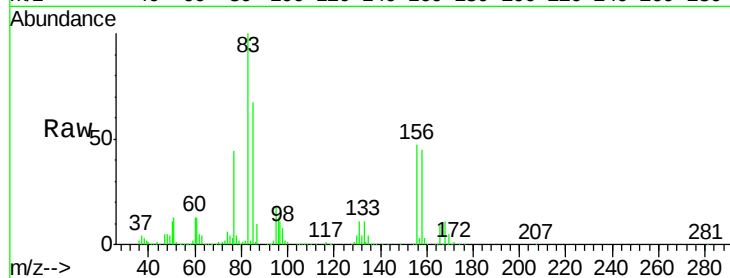
131 12.1 6.0 18.0

85 64.8 31.9 95.9

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sam

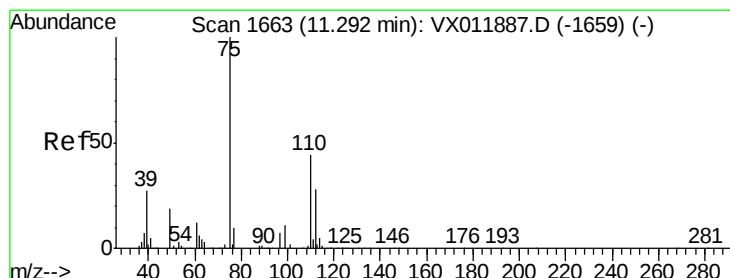
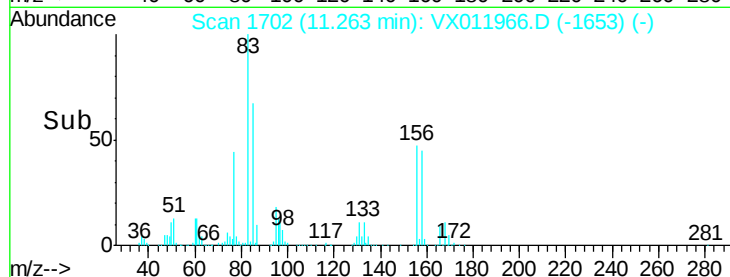
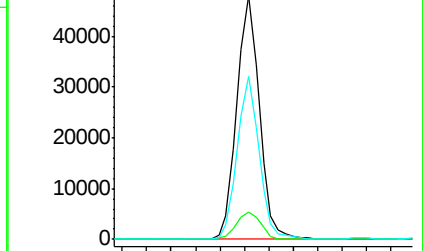
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.323 ug/l m

RT: 11.29 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX011966.D

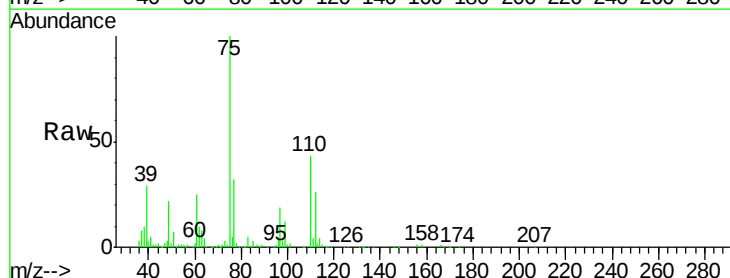
Acq: 31 Aug 2019 23:21

Tgt Ion: 75 Resp: 52310

Ion Ratio Lower Upper

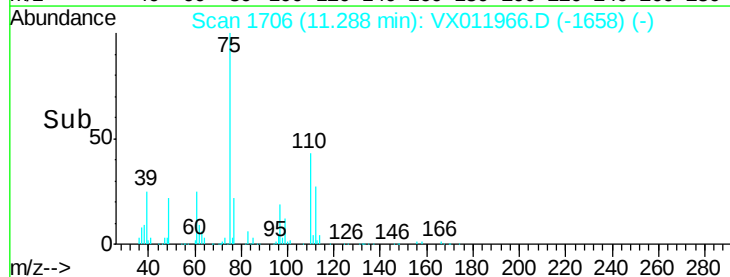
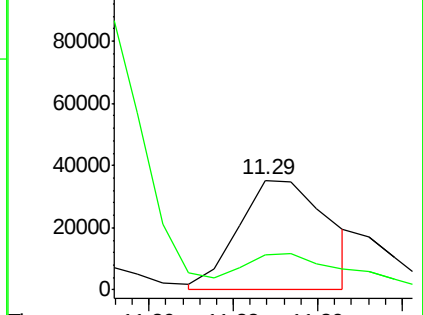
75 100

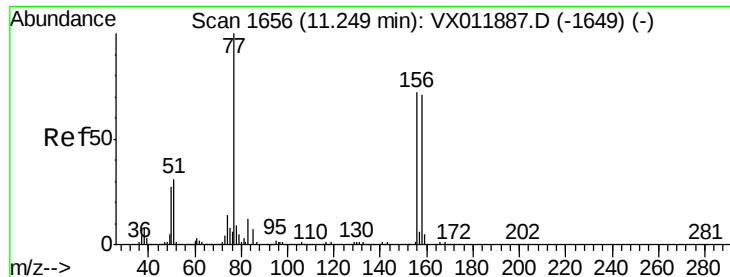
77 38.6 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.791 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

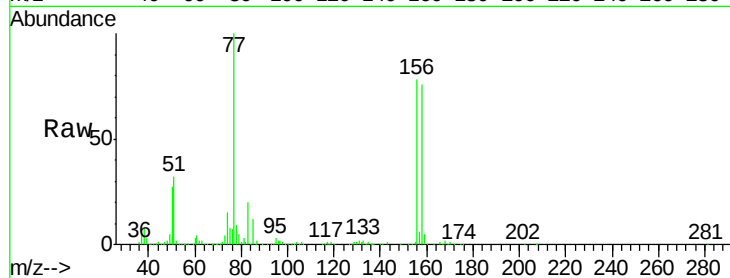
ClientSampleId :

VX0831SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	131.7	68.1	204.3
158	98.1	48.9	146.8

Manual Integrations
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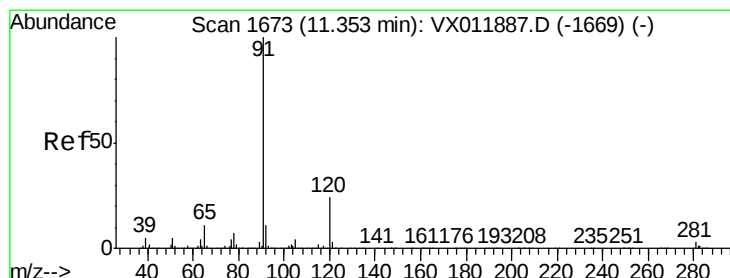
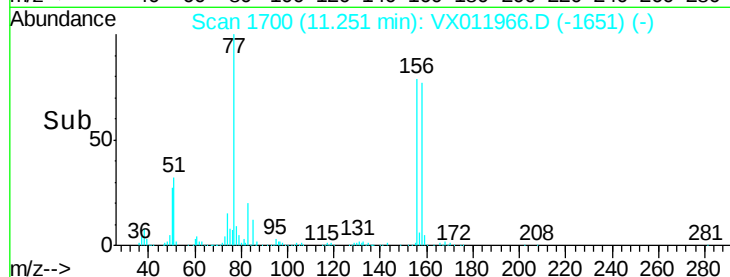
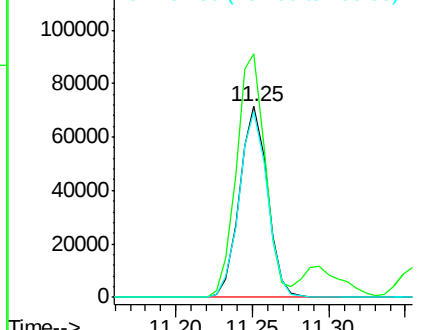


Abundance

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: 19.349 ug/l

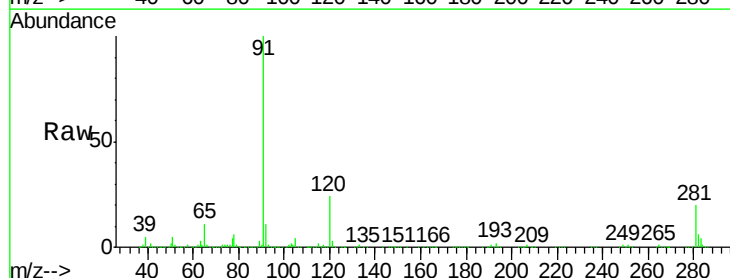
RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

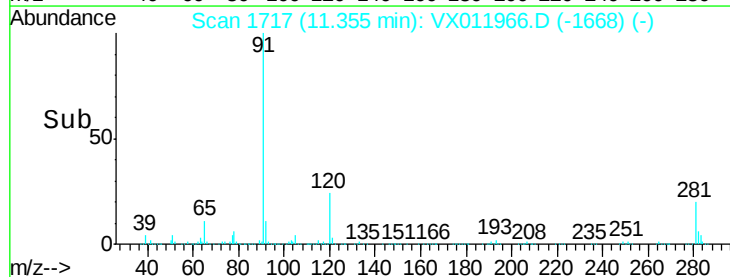
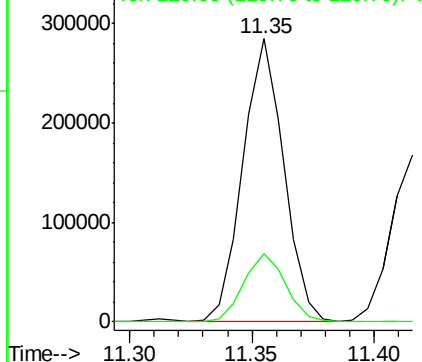
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.9

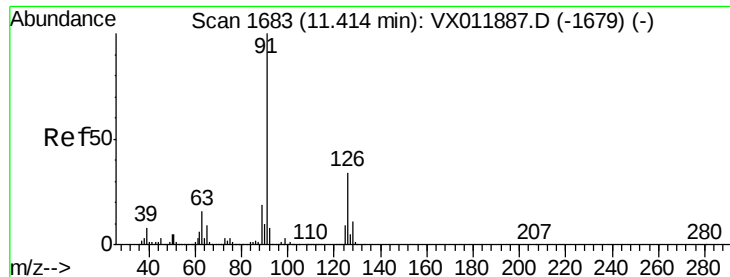


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





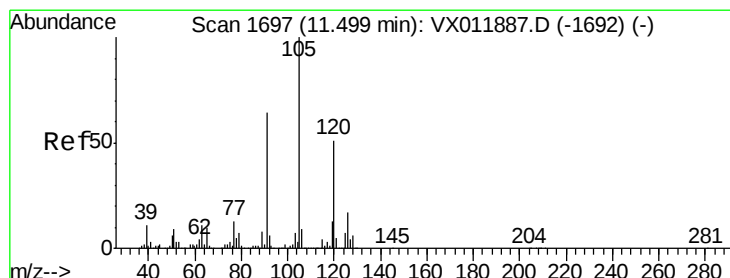
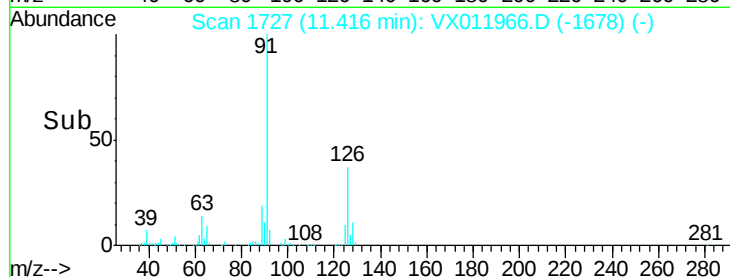
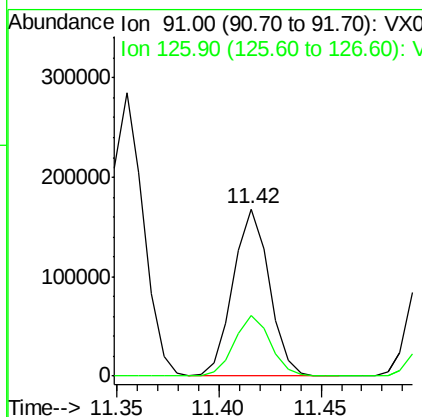
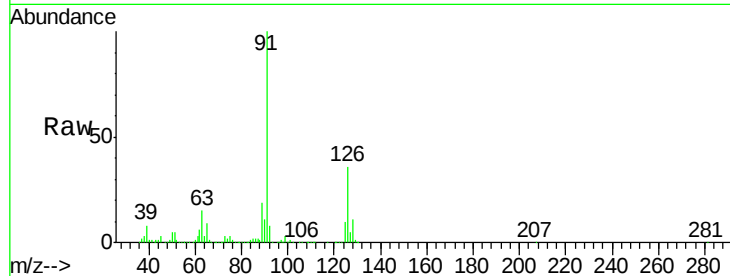
#79
 2-Chlorotoluene
 Concen: 19.976 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.8	17.9	53.8

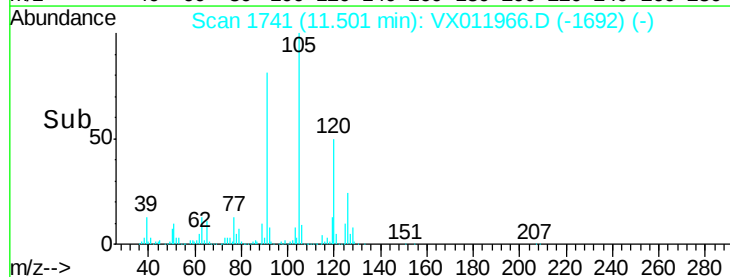
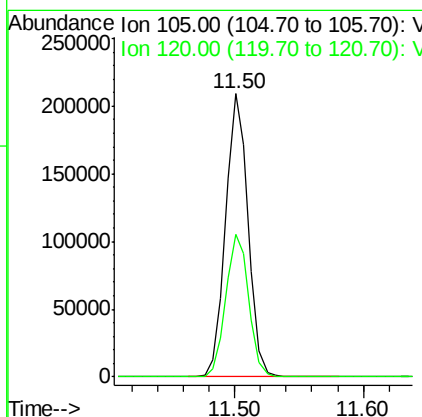
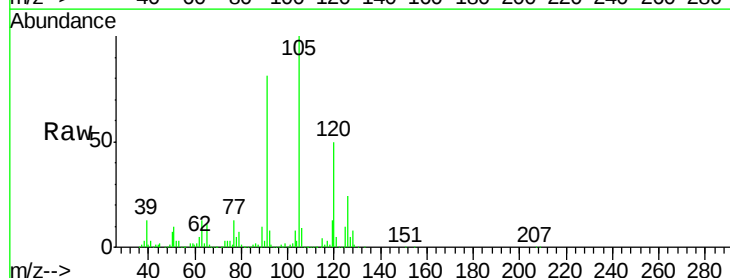
Manual Integrations
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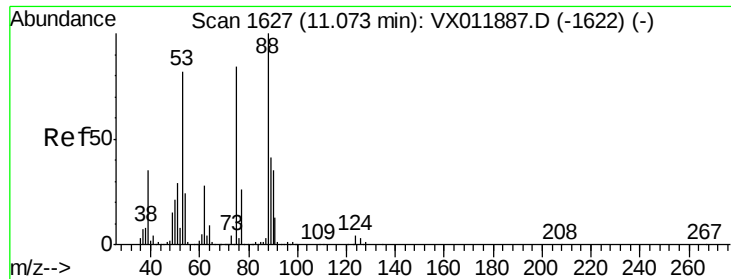
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.755 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.3	25.3	75.9





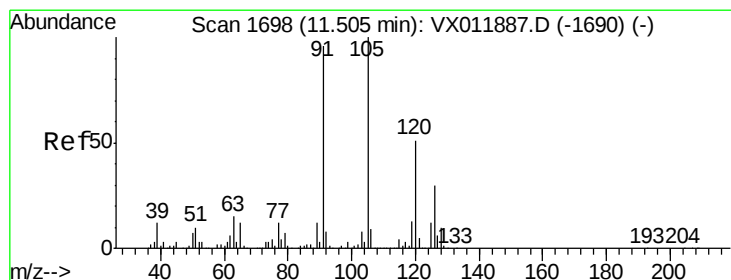
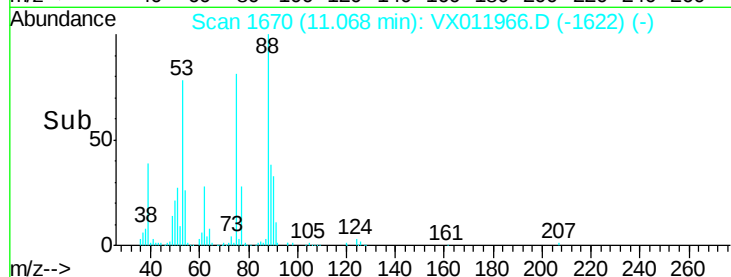
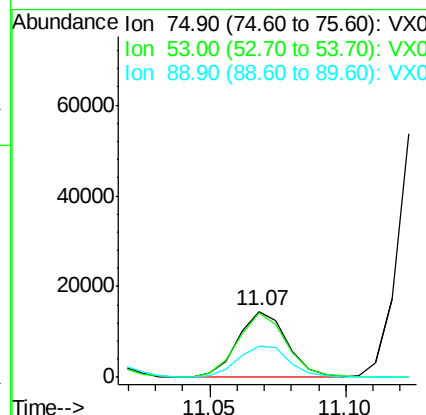
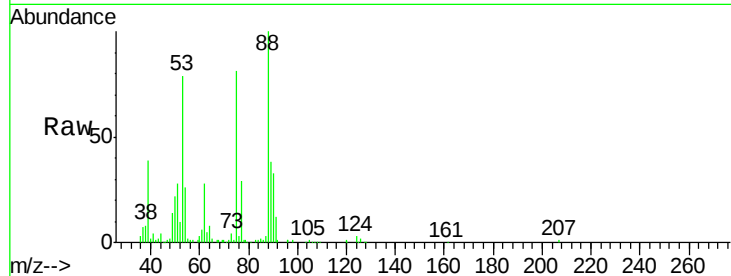
#81
trans-1,4-Dichloro-2-butene
Concen: 17.483 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.4	77.1	115.7
89	49.3	38.2	57.2

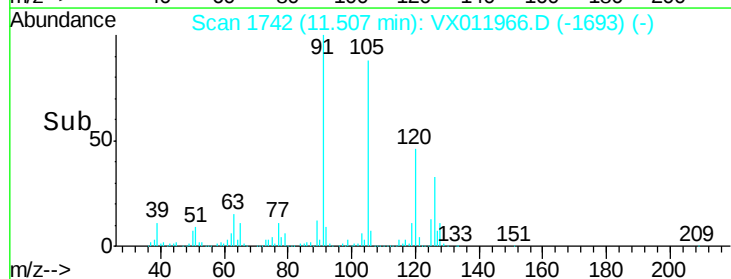
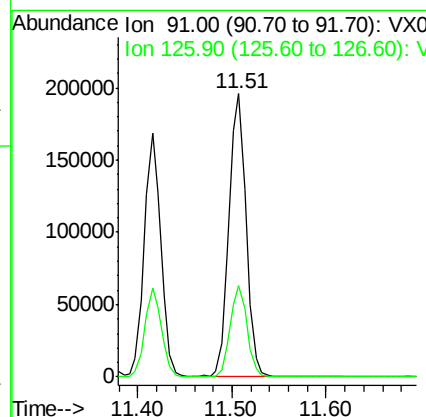
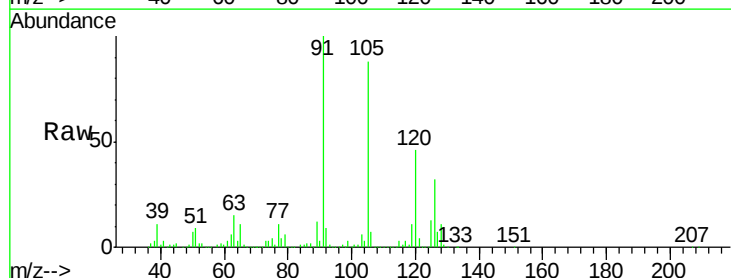
Manual Integrations
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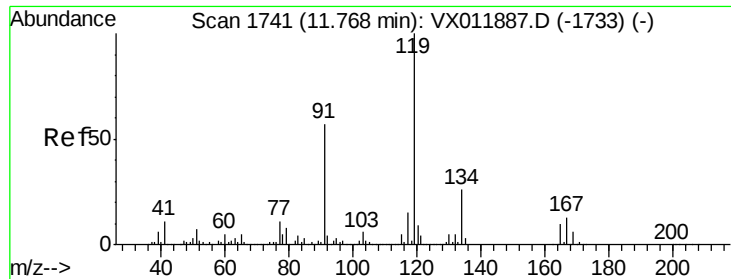
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#82
4-Chlorotoluene
Concen: 19.903 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.9	47.6





#83

tert-Butylbenzene

Concen: 19.619 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

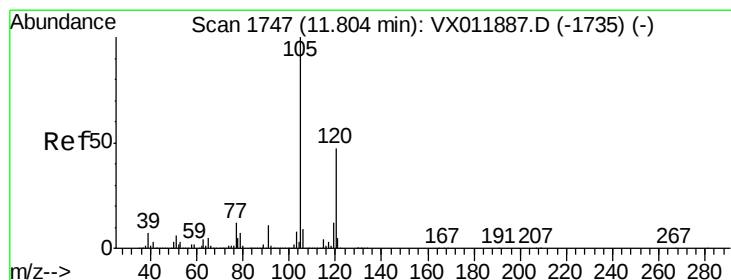
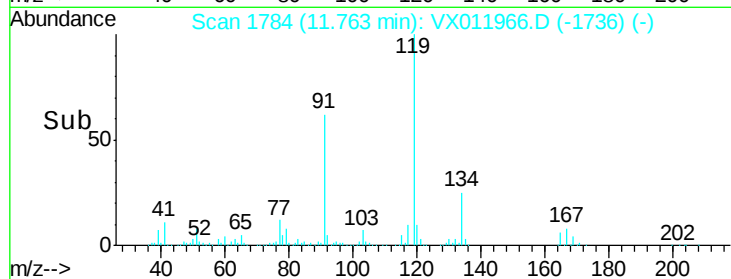
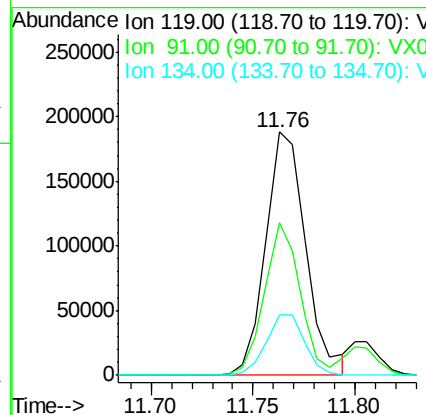
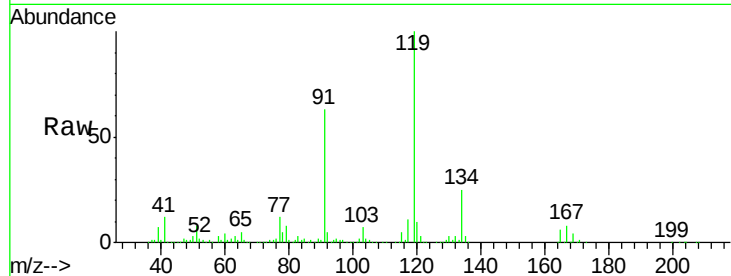
ClientSampled :

VX0831SBS02

Tot Ion:	119	Resp:	258339
Ion Ratio	Lower	Upper	
119	100		
91	55.9	27.9	83.6
134	24.3	12.3	36.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.925 ug/l

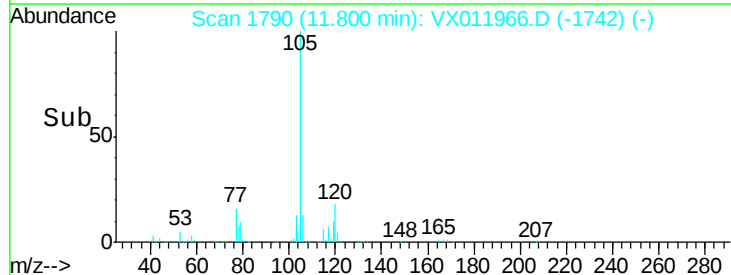
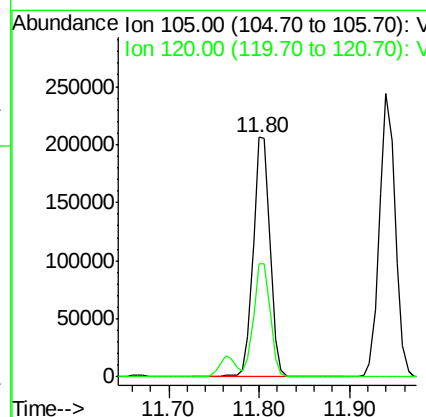
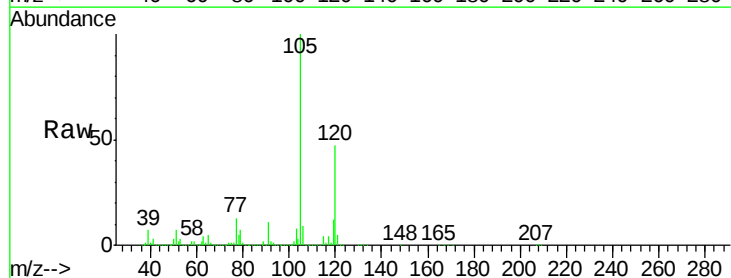
RT: 11.80 min Scan# 1790

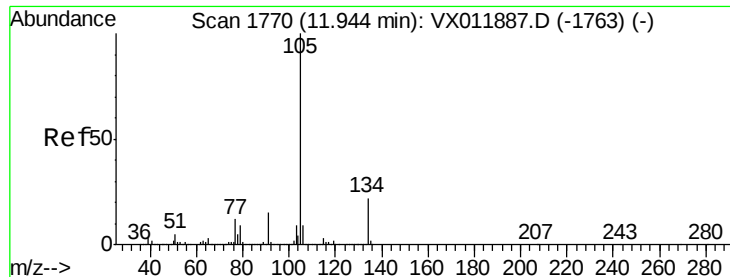
Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Tgt Ion:	105	Resp:	264987
Ion Ratio	Lower	Upper	
105	100		
120	46.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.248 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS02

Tot Ion:105 Resp: 294393

Ion Ratio Lower Upper

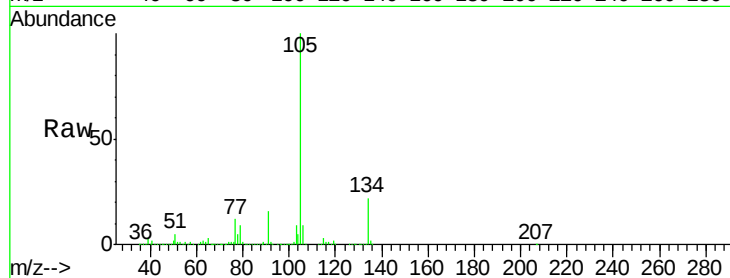
105 100

134 22.1 10.9 32.7

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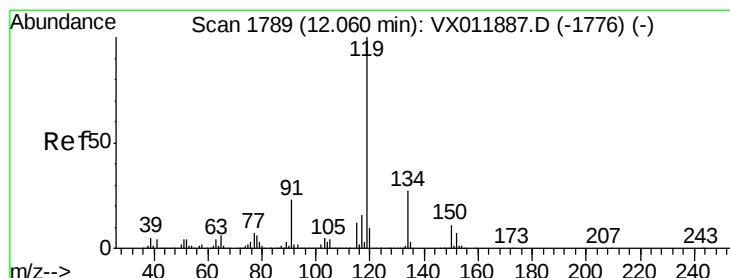
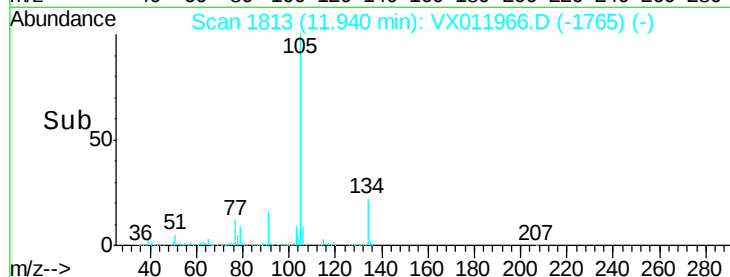
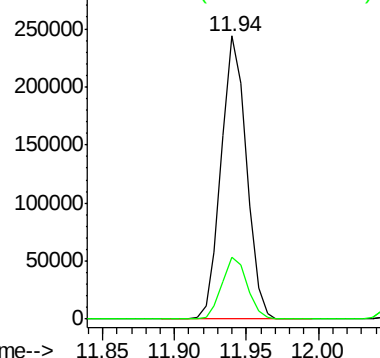
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.267 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

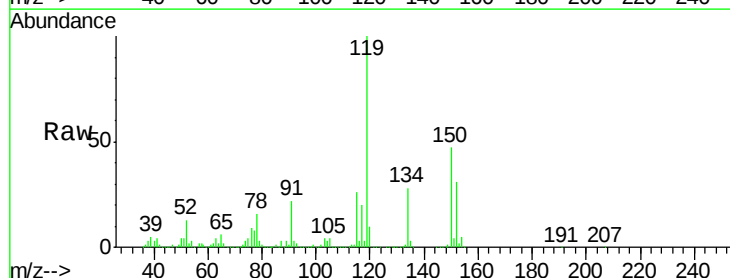
Tgt Ion:119 Resp: 285733

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.0

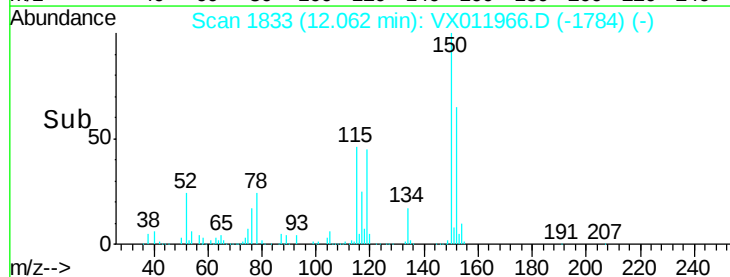
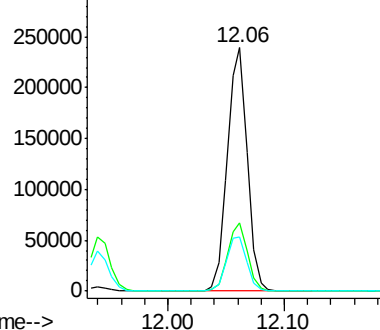
91 22.8 11.6 34.7

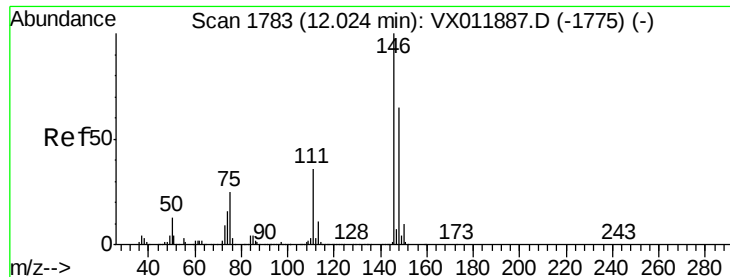


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





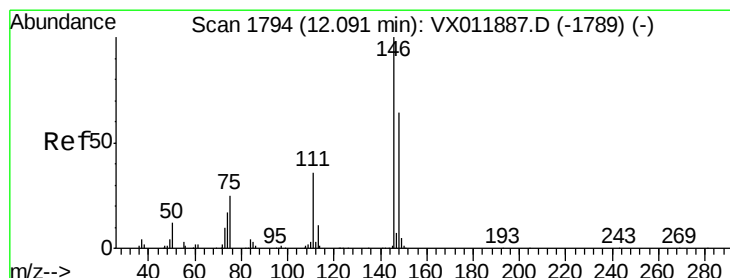
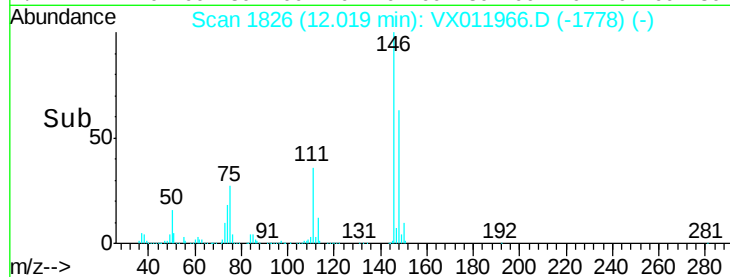
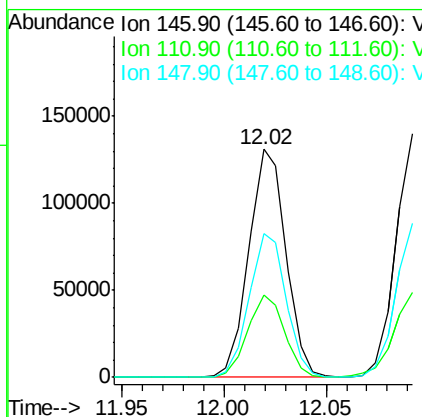
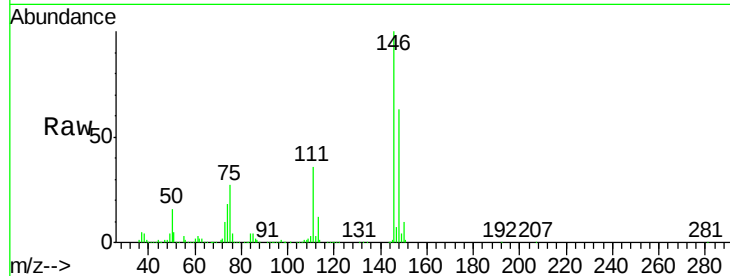
#87
 1,3-Dichlorobenzene
 Concen: 20.490 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.4	55.2
148	62.9	32.1	96.5

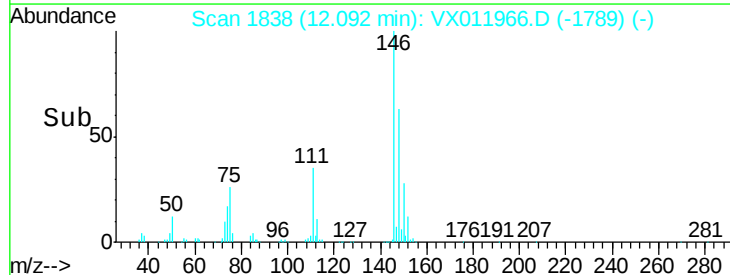
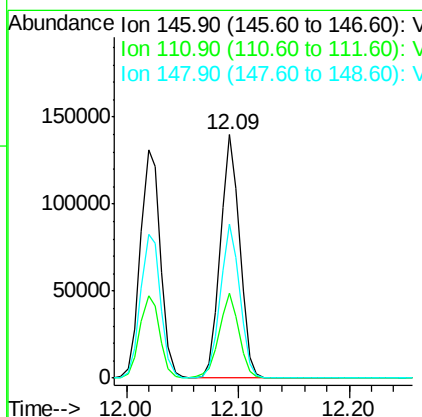
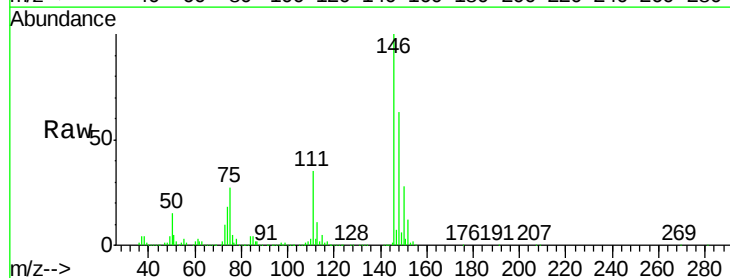
Manual Integrations
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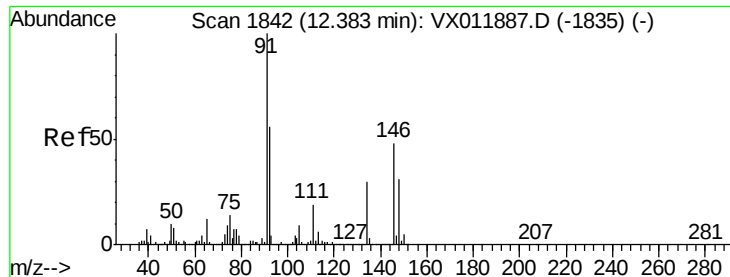
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#88
 1,4-Dichlorobenzene
 Concen: 20.547 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.9	53.7
148	64.1	32.4	97.0





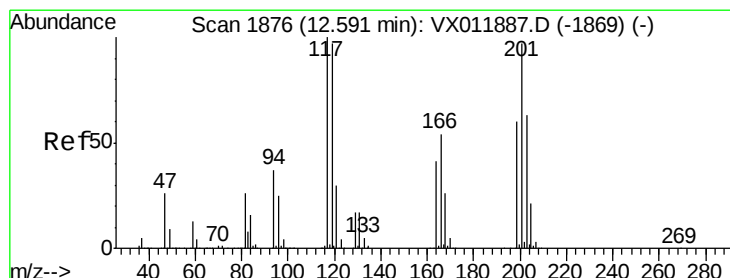
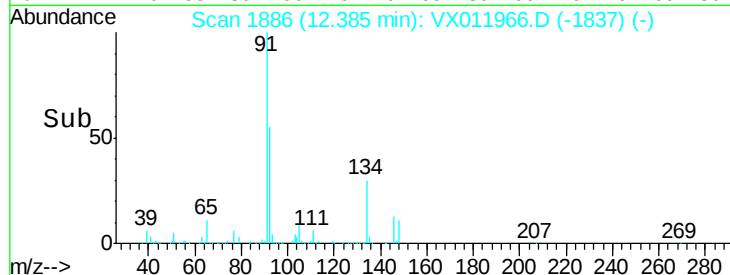
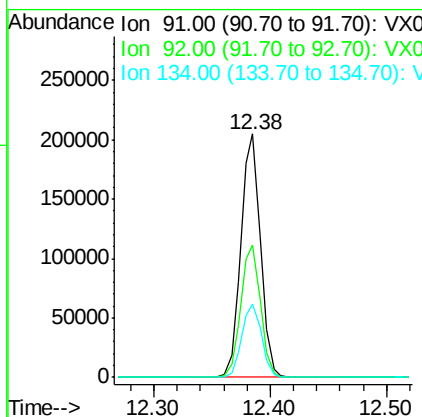
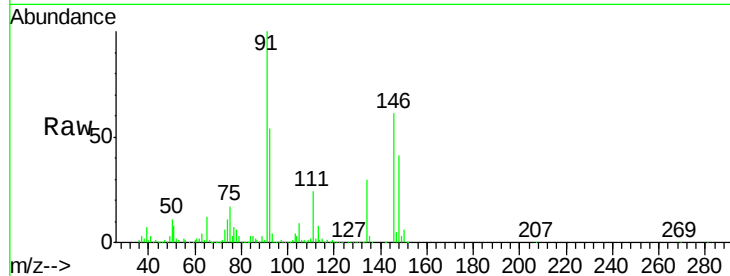
#89
n-Butylbenzene
Concen: 18.303 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Instrument :
MSVOA_X
ClientSampled :
VX0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	240155		
92	54.9		27.6	82.8
134	30.6		14.8	44.3

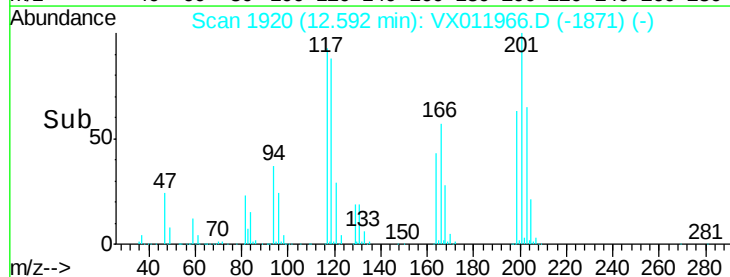
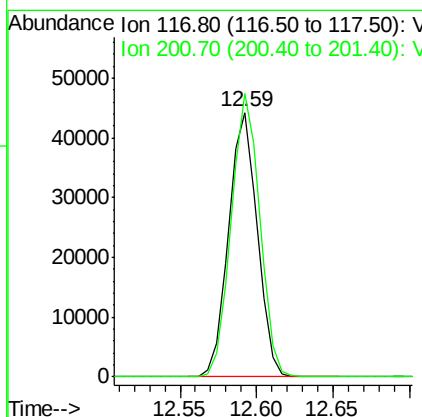
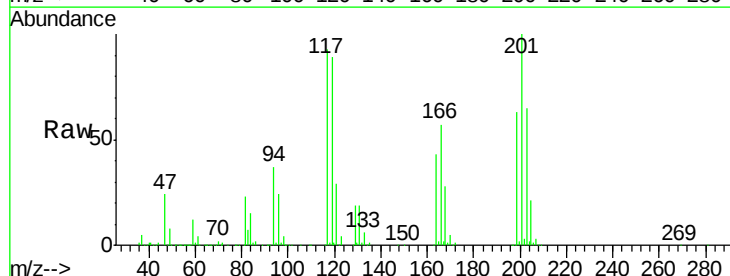
Manual Integrations
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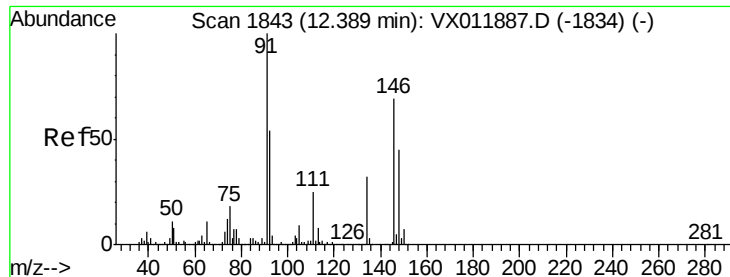
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#90
Hexachloroethane
Concen: 19.962 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011966.D
Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	57274		
201	106.7		52.8	158.5





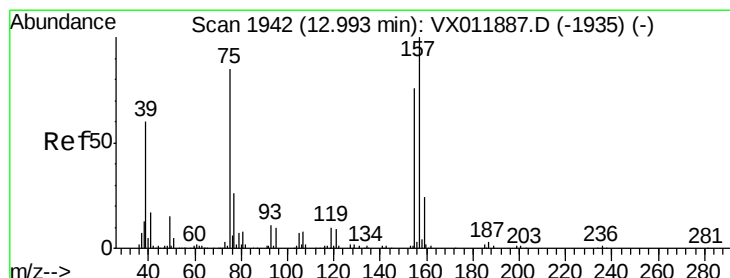
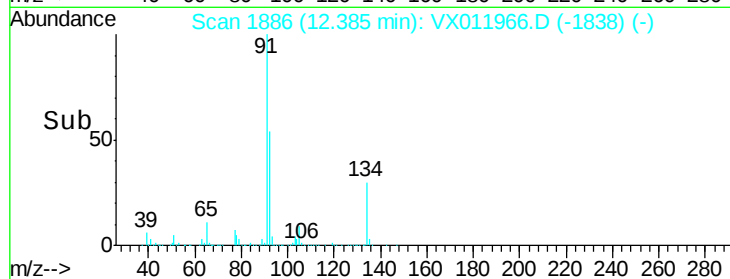
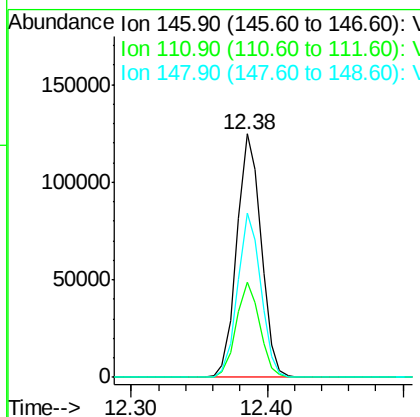
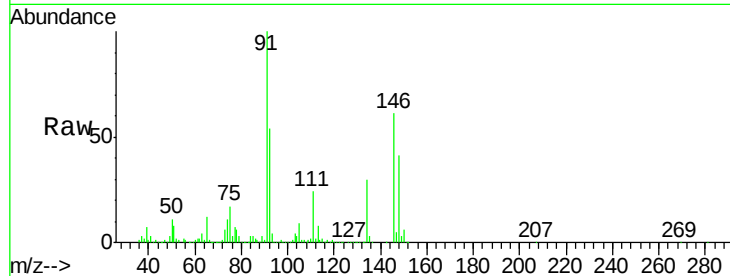
#91
 1,2-Dichlorobenzene
 Concen: 20.573 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	155005		
111	38.1	18.9	56.5	
148	64.9	32.1	96.3	

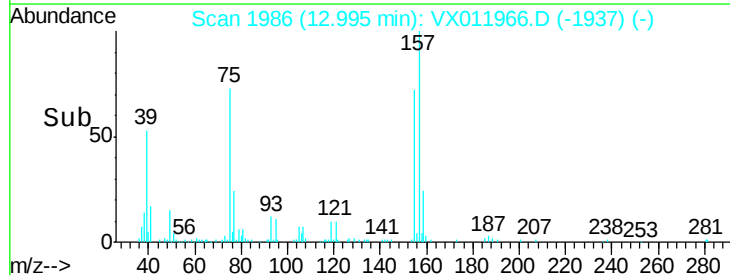
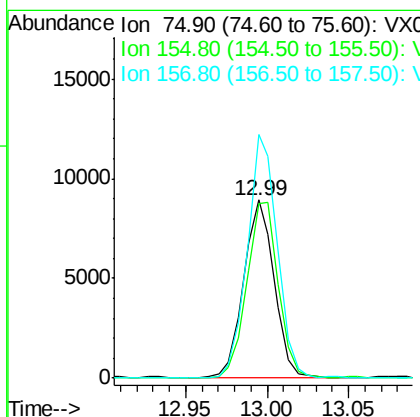
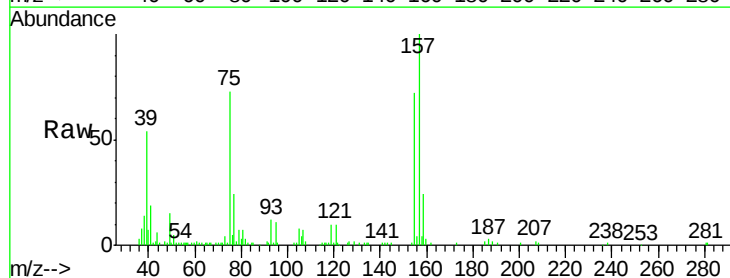
Manual Integrations
 APPROVED

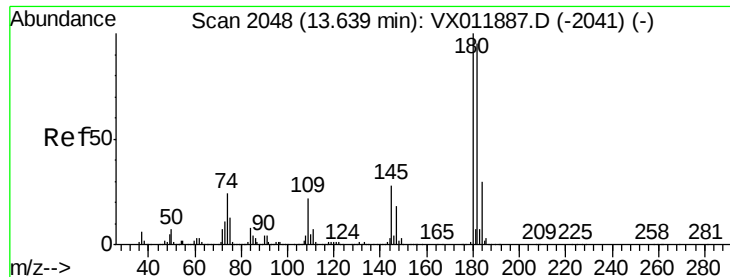
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.988 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11638		
155	101.5	50.1	150.4	
157	134.7	63.9	191.7	





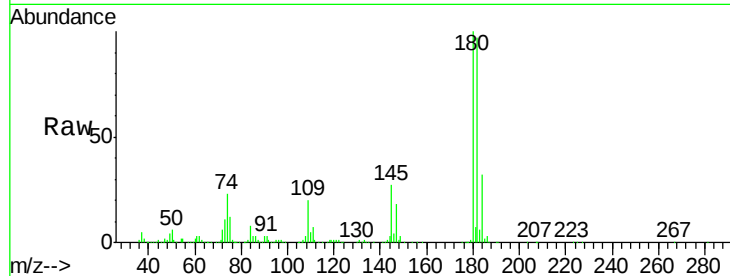
#93
 1,2,4-Trichlorobenzene
 Concen: 19.388 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831SBS02

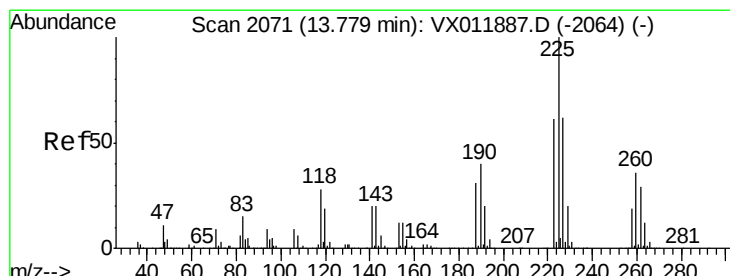
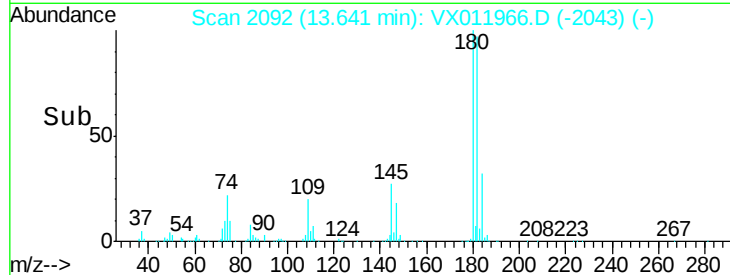
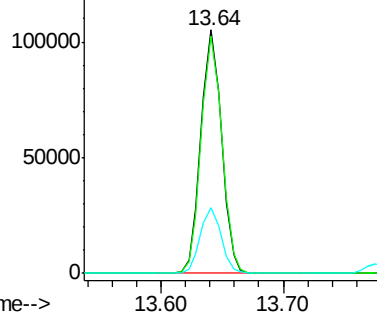
Tot Ion	Ratio	Resp	Lower	Upper
180	100	122995		
182	97.9	48.1	144.4	
145	27.2	13.8	41.3	

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:42 PM

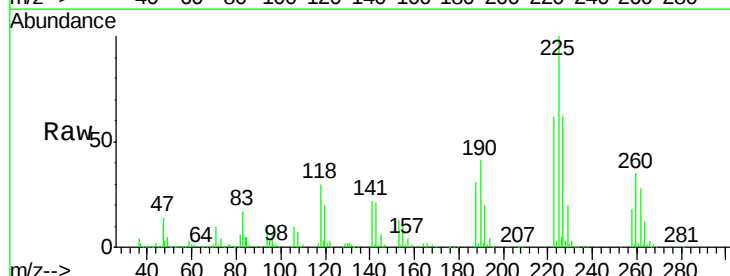


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

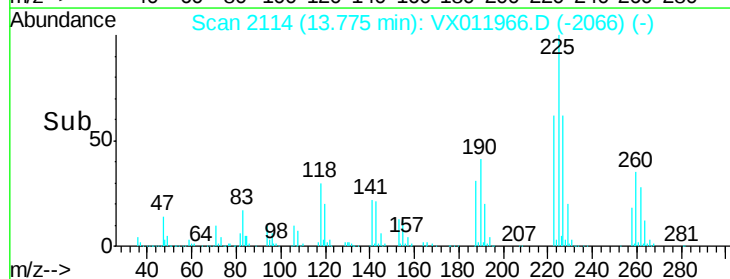
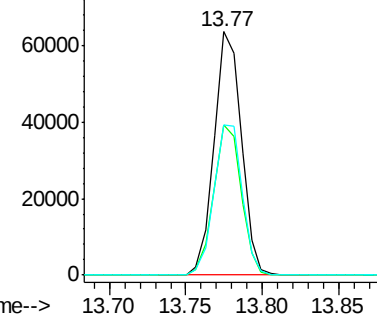


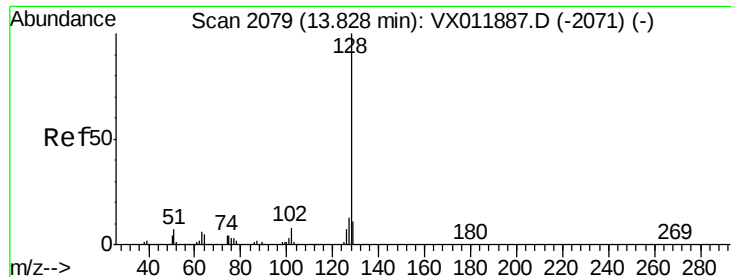
#94
 Hexachlorobutadiene
 Concen: 18.608 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX011966.D
 Acq: 31 Aug 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78837		
223	62.4	30.8	92.3	
227	63.9	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: 18.926 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Instrument :

MSVOA_X

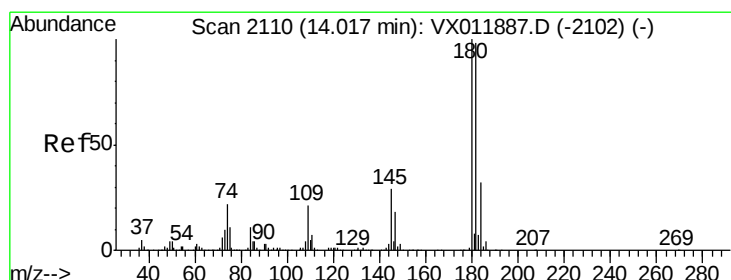
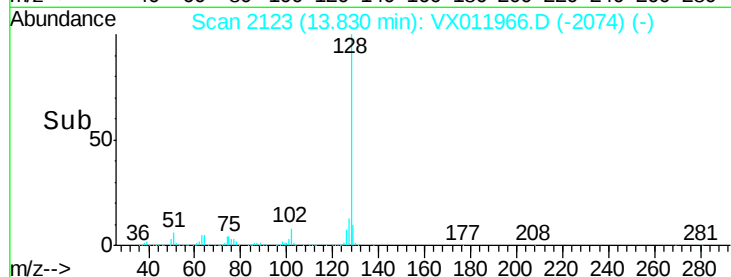
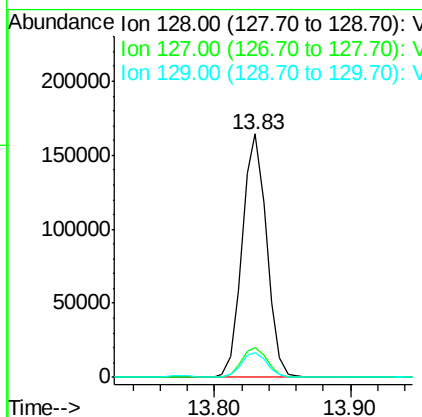
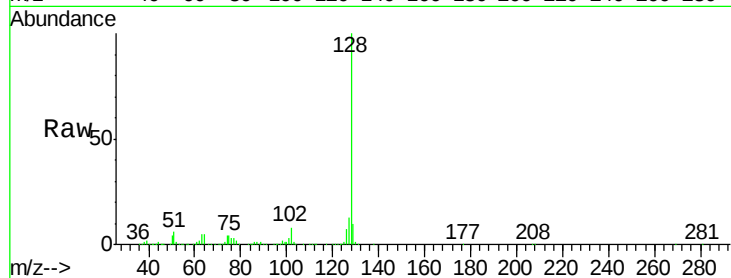
ClientSampleId :

VX0831SBS02

Tot Ion:	128	Resp:	206066
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.7	8.8	13.2

Manual Integrations
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sam
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#96

1,2,3-Trichlorobenzene

Concen: 19.383 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX011966.D

Acq: 31 Aug 2019 23:21

Tgt Ion:	180	Resp:	111197
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.3	144.8
145	29.7	14.6	43.8

