

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020037.D
 Acq On : 16 Dec 2020 01:52
 Operator : JC/MD
 Sample : PB133610ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#13

Quant Time: Dec 16 05:09:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	306261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	510299	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	459785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	187167	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		6.03	65	193192	48.00	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.00%	
35) Dibromofluoromethane		5.46	113	156709	47.52	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.04%	
50) Toluene-d8		8.70	98	626393	49.75	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.50%	
62) 4-Bromofluorobenzene		11.12	95	208852	43.58	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.16%	

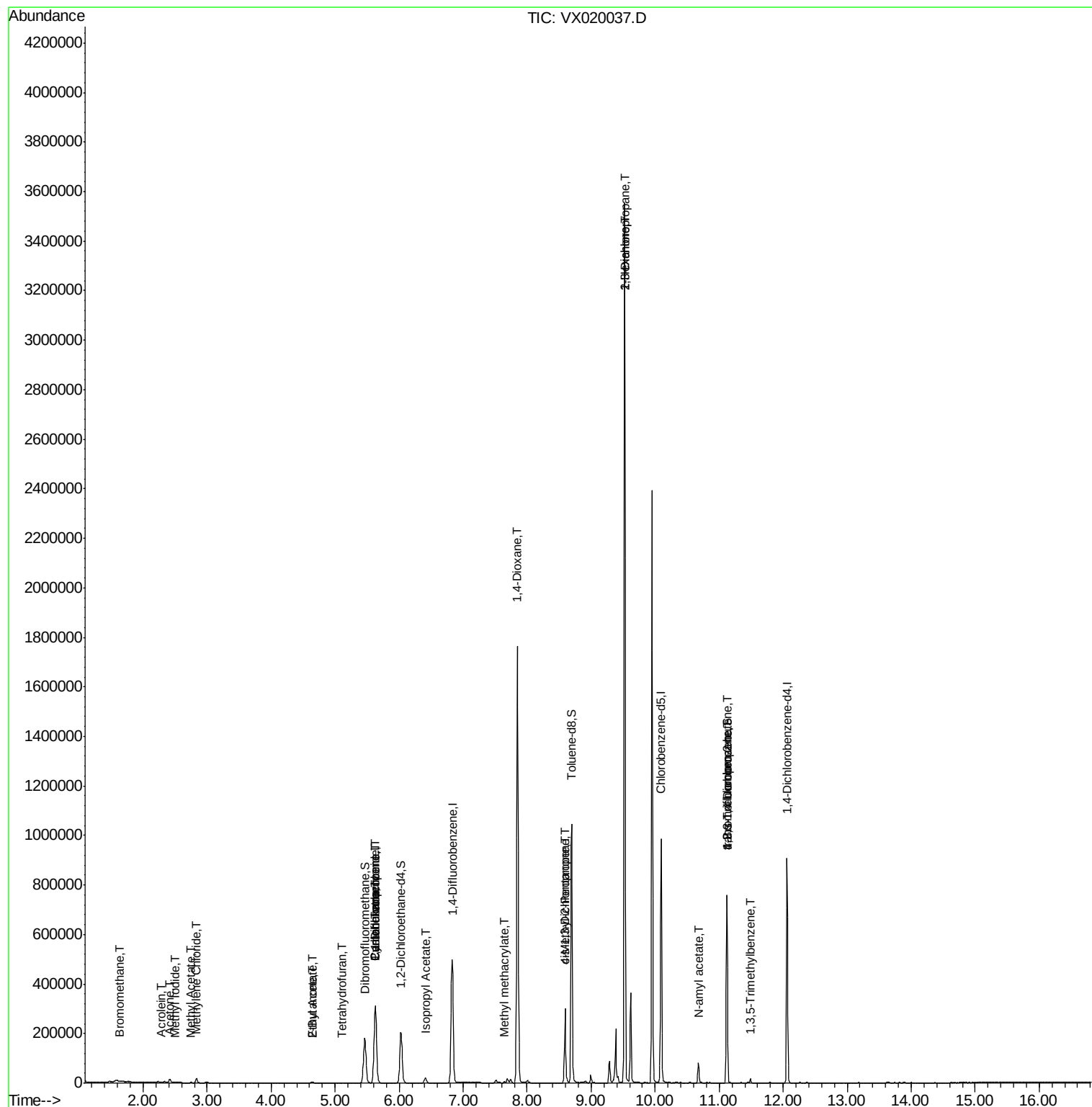
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	712	0.617	ug/l #	63
10) Methyl Iodide	2.50	142	1327	0.324	ug/l #	94
11) Tert butyl alcohol	2.99	59	1618	Below Cal	#	73
13) Acrolein	2.28	56	128	0.288	ug/l #	73
16) Acetone	2.42	43	12867	8.505	ug/l	99
18) Methyl Acetate	2.75	43	1355	0.366	ug/l	96
20) Methylene Chloride	2.83	84	8279	1.003	ug/l	93
25) 2-Butanone	4.64	43	3545	1.525	ug/l	89
29) Tetrahydrofuran	5.12	42	778	0.519	ug/l #	57
31) Cyclohexane	5.62	56	6153	1.229	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23394	5.073	ug/l #	48
37) Ethyl Acetate	4.64	43	3545	0.761	ug/l #	64
38) Carbon Tetrachloride	5.62	117	30237	6.696	ug/l #	16
43) Isopropyl Acetate	6.41	43	25764	3.404	ug/l	99
48) Methyl methacrylate	7.65	41	7196	1.933	ug/l #	10
49) 1,4-Dioxane	7.85	88	251	2.783	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	94202	20.384	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	50217	8.830	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	31259	5.156	ug/l #	43
59) 2-Hexanone	9.52	43	385409	107.591	ug/l #	46
74) N-amyl acetate	10.68	43	17880	3.489	ug/l #	49
76) 1,2,3-Trichloropropane	11.12	75	99168	23.624	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.49	105	7615	0.706	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	99168	68.292	ug/l #	12

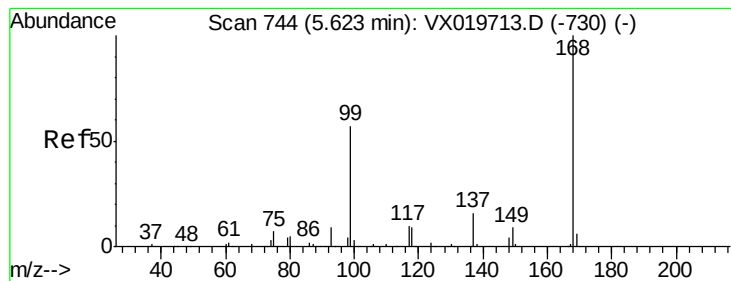
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB133610ZHE#13
Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
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ClientSampleId :
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Quant Time: Dec 16 05:09:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX020037.D

Acq: 16 Dec 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

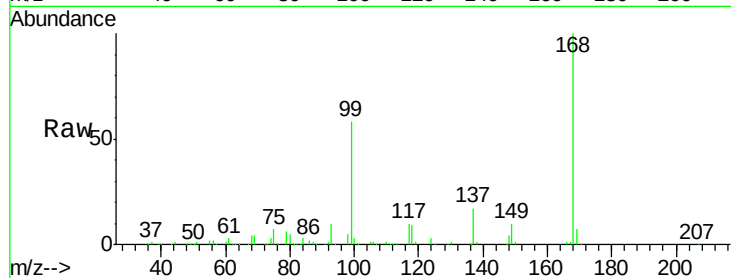
PB133610ZHE#13

Tgt Ion:168 Resp: 306261

Ion Ratio Lower Upper

168 100

99 58.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

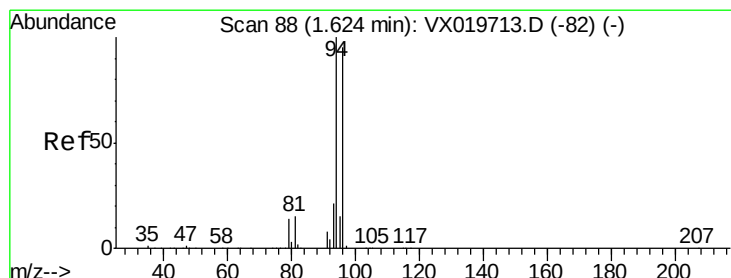
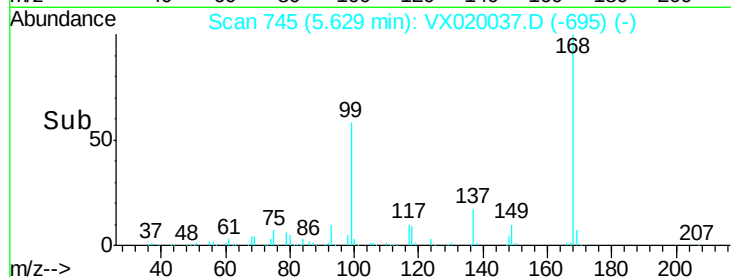
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.617 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX020037.D

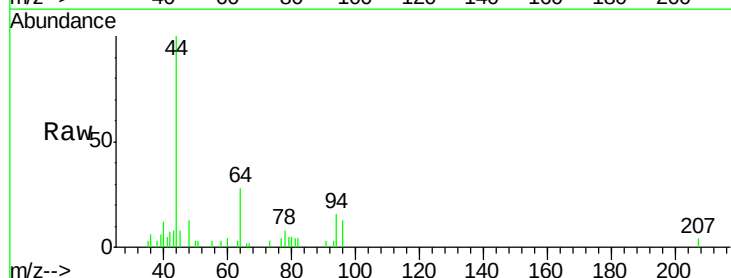
Acq: 16 Dec 2020 01:52

Tgt Ion: 94 Resp: 712

Ion Ratio Lower Upper

94 100

96 59.9 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

400

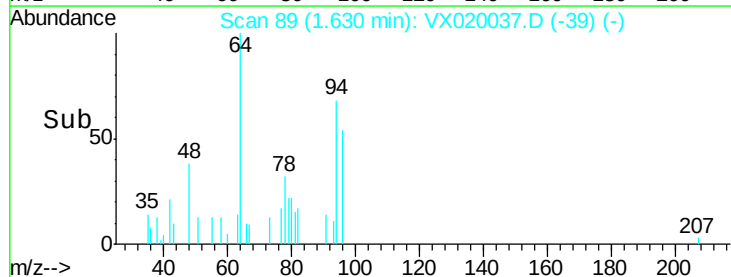
300

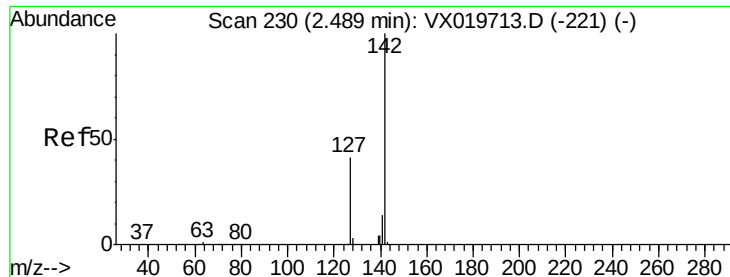
200

100

0

Time-->

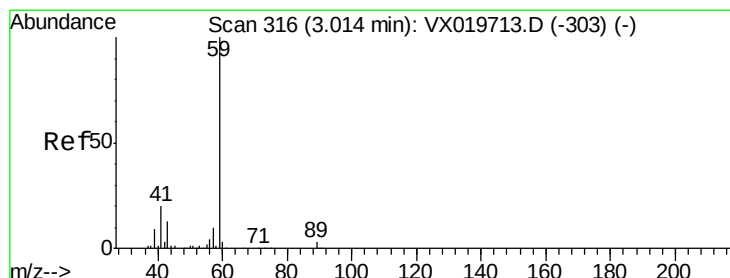
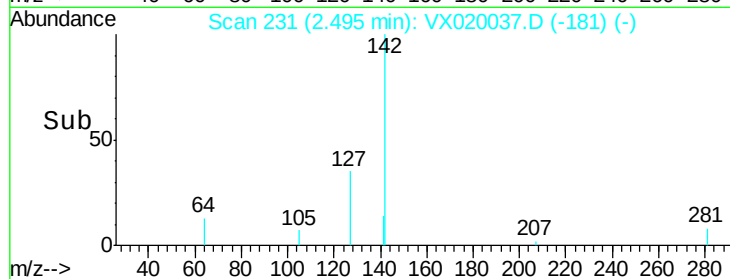
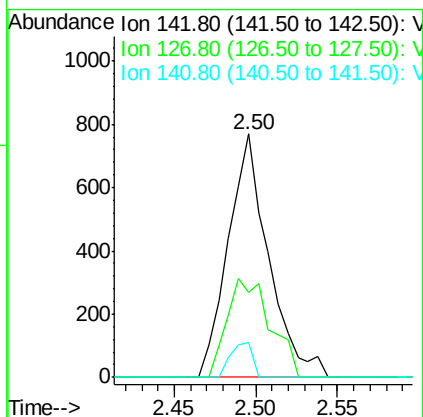
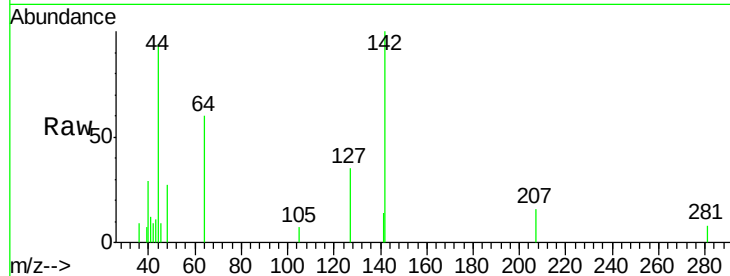




#10
Methyl Iodide
Concen: 0.324 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

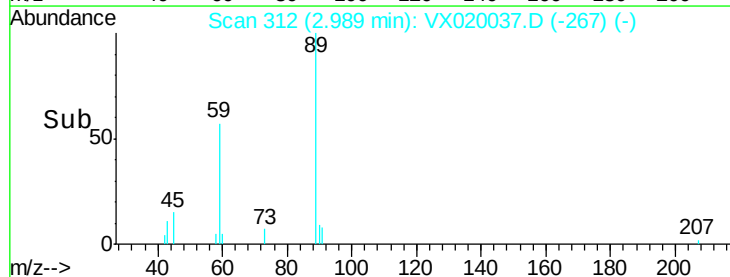
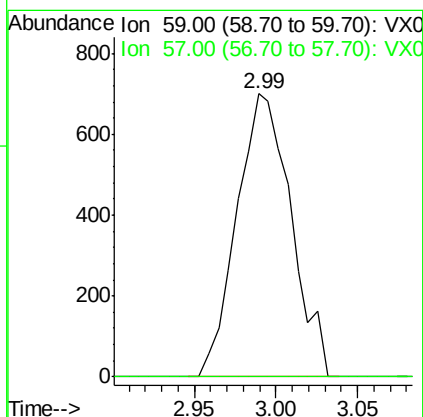
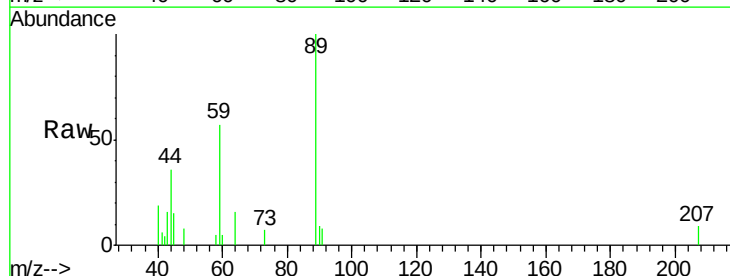
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#13

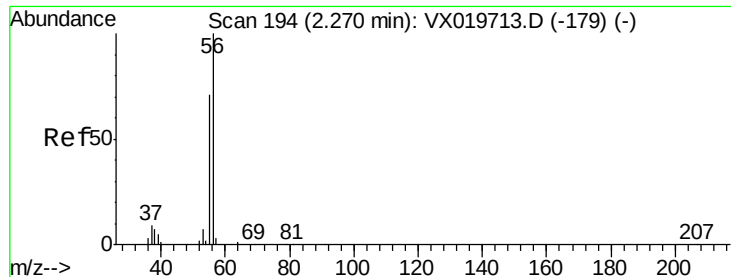
Tgt Ion: 142 Resp: 1327
Ion Ratio Lower Upper
142 100
127 43.6 33.3 49.9
141 7.5 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

Tgt Ion: 59 Resp: 1618
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.288 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX020037.D

Acq: 16 Dec 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

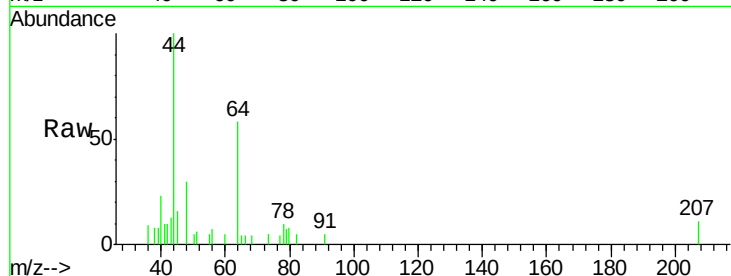
PB133610ZHE#13

Tgt Ion: 56 Resp: 128

Ion Ratio Lower Upper

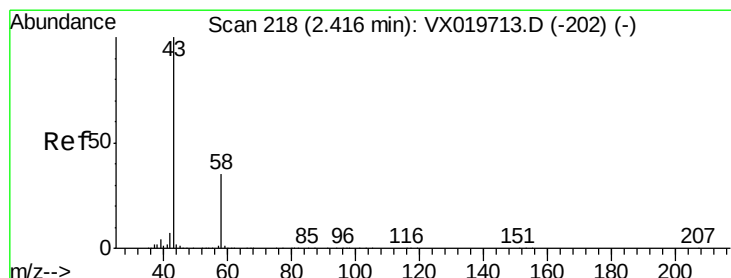
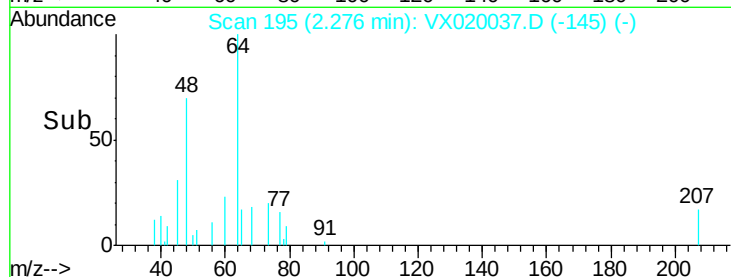
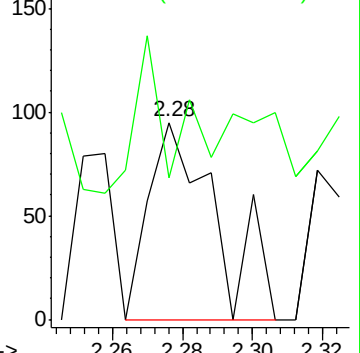
56 100

55 48.4 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 8.505 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX020037.D

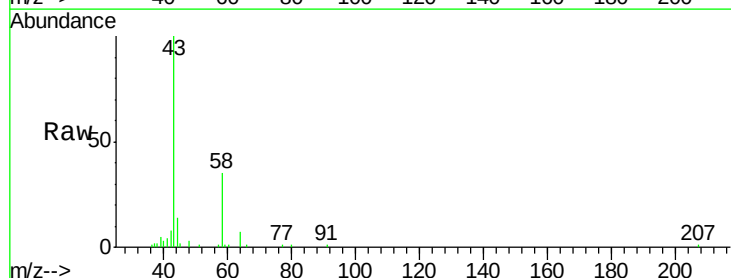
Acq: 16 Dec 2020 01:52

Tgt Ion: 43 Resp: 12867

Ion Ratio Lower Upper

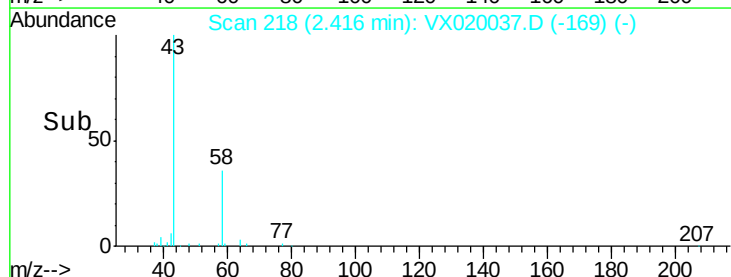
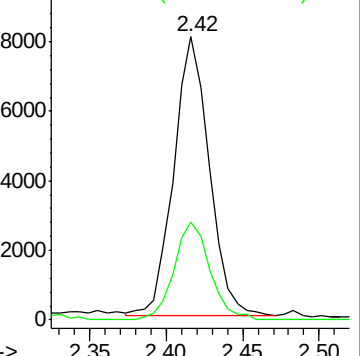
43 100

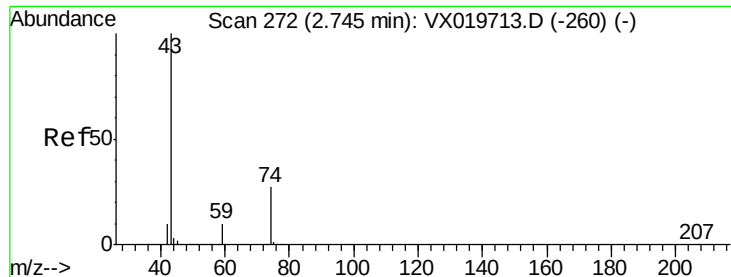
58 35.3 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

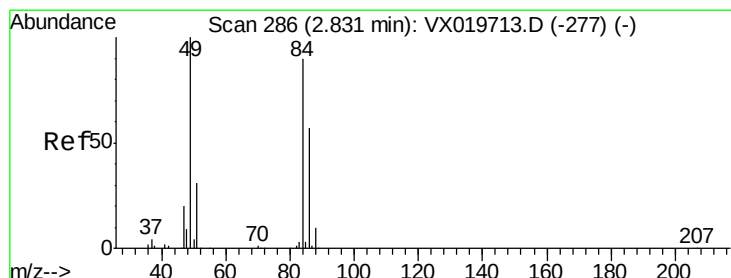
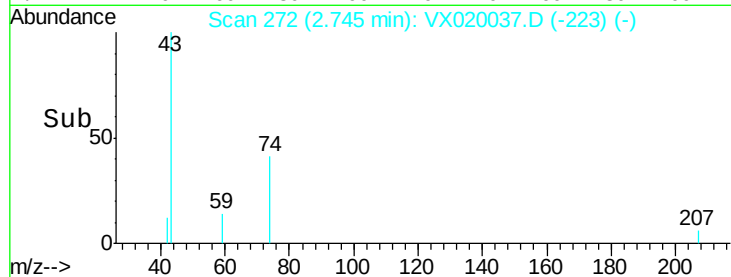
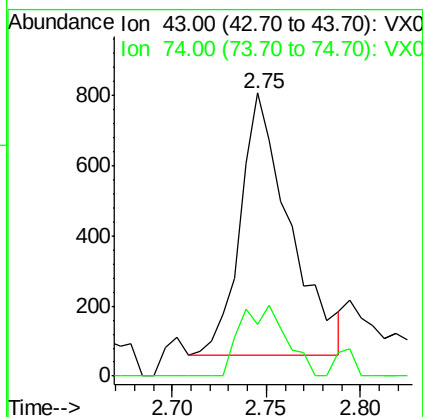
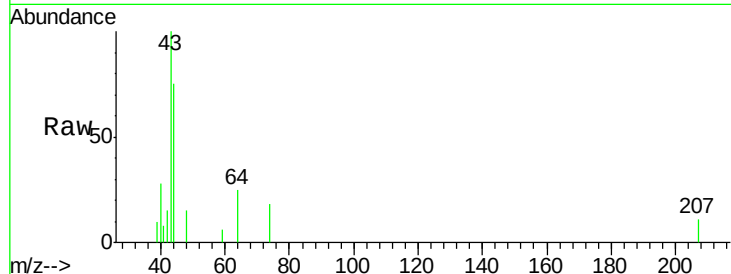




#18
Methyl Acetate
Concen: 0.366 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

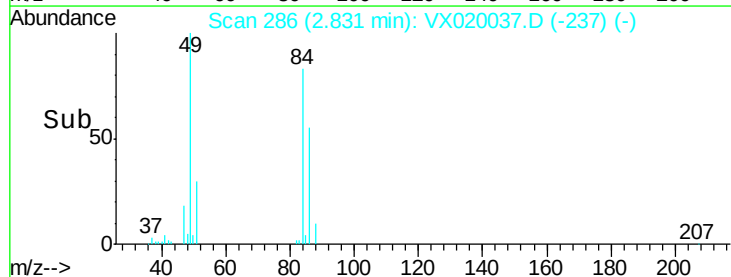
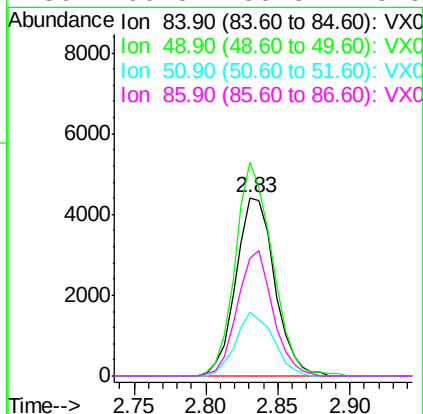
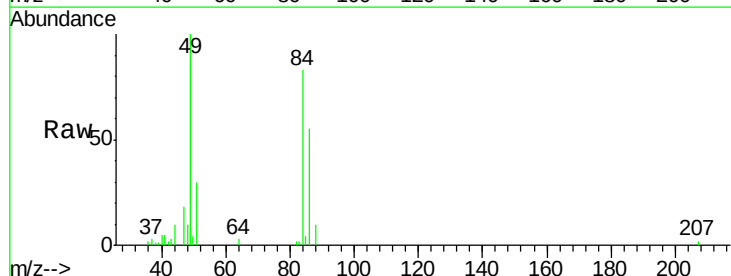
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#13

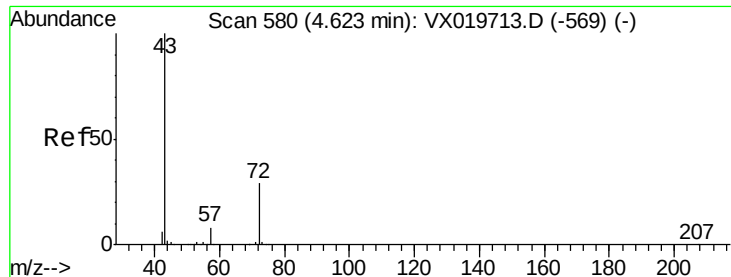
Tgt Ion: 43 Resp: 1355
Ion Ratio Lower Upper
43 100
74 25.1 21.9 32.9



#20
Methylene Chloride
Concen: 1.003 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

Tgt Ion: 84 Resp: 8279
Ion Ratio Lower Upper
84 100
49 119.9 88.6 132.8
51 35.9 27.0 40.6
86 66.3 50.3 75.5





#25

2-Butanone

Concen: 1.525 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020037.D

Acq: 16 Dec 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

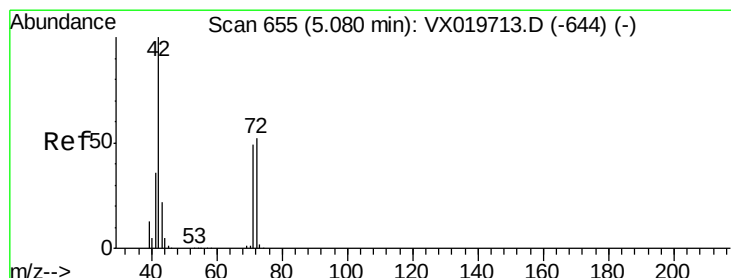
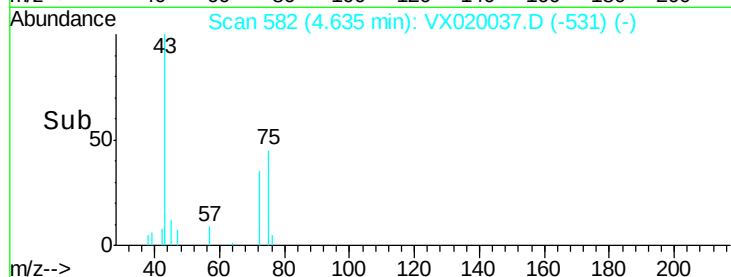
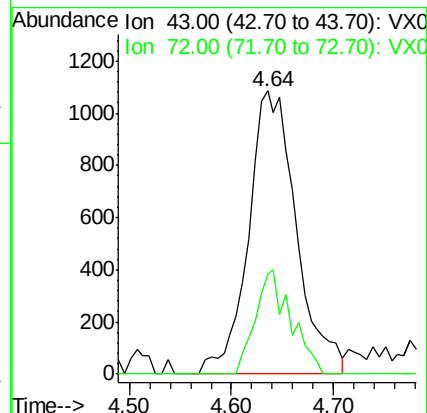
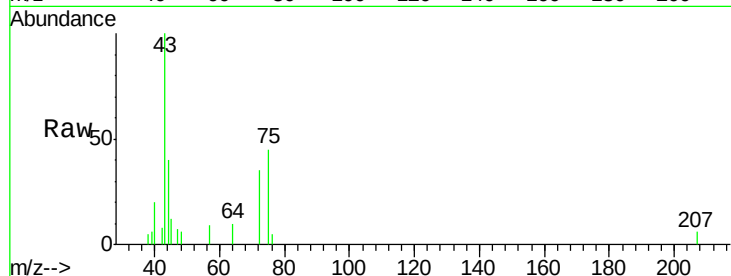
PB133610ZHE#13

Tgt Ion: 43 Resp: 3545

Ion Ratio Lower Upper

43 100

72 35.4 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.519 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.04 min

Lab File: VX020037.D

Acq: 16 Dec 2020 01:52

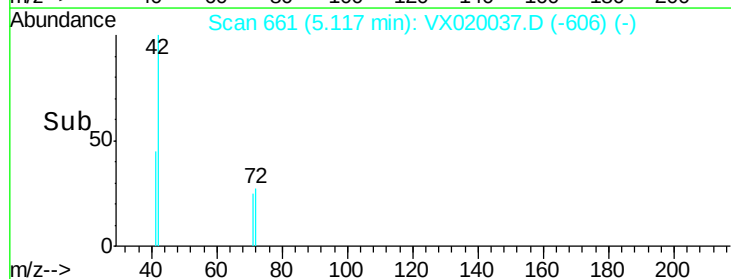
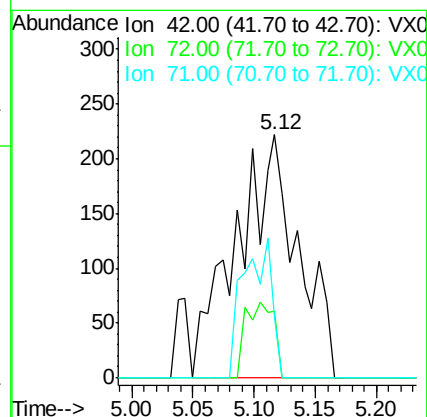
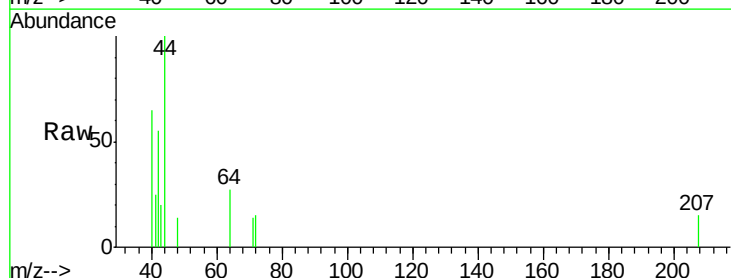
Tgt Ion: 42 Resp: 778

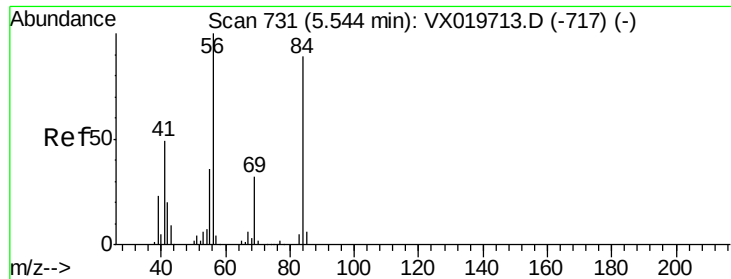
Ion Ratio Lower Upper

42 100

72 14.4 41.7 62.5#

71 26.5 38.4 57.6#

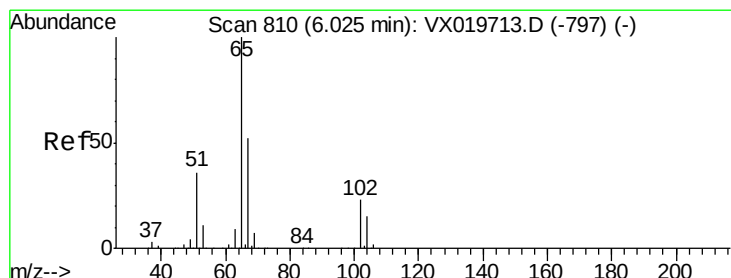
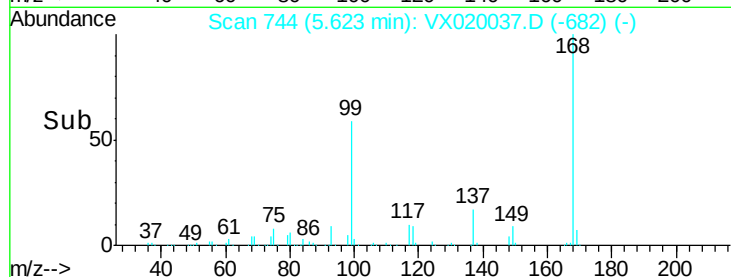
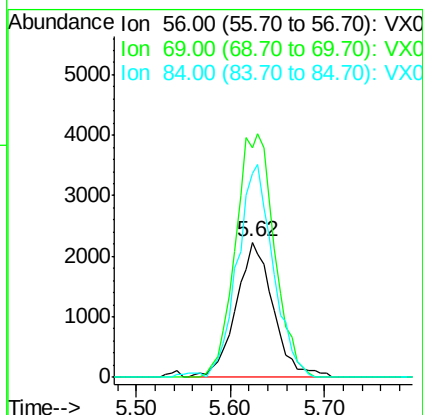
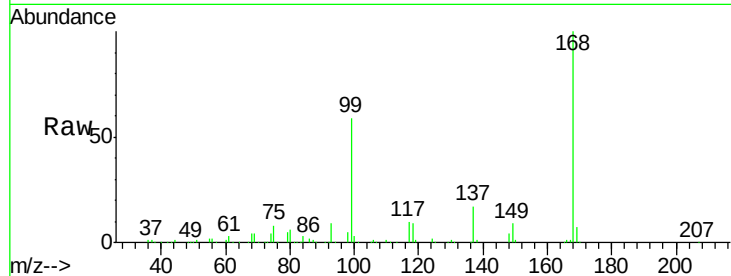




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

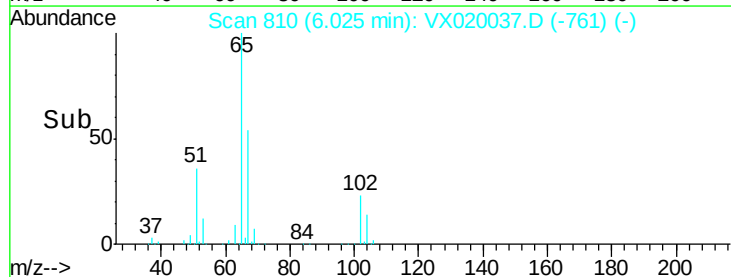
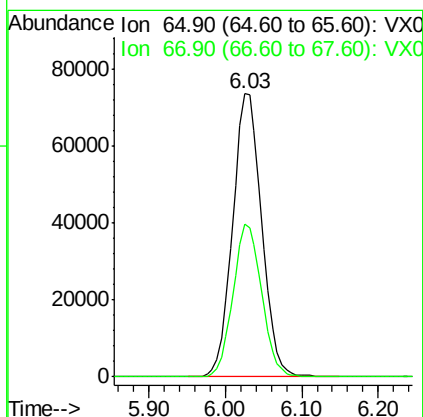
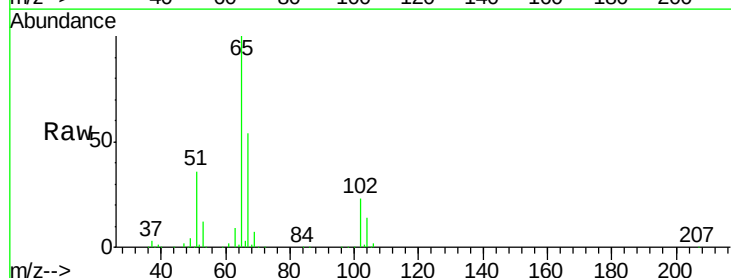
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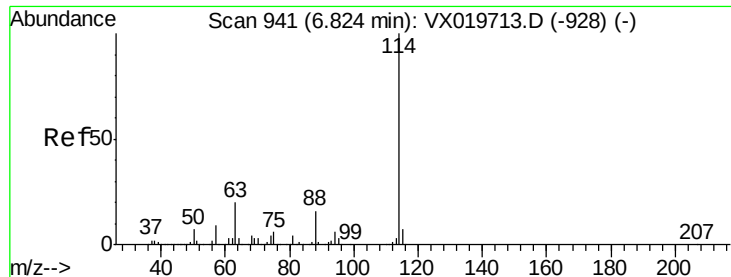
Tgt Ion: 56 Resp: 6153
Ion Ratio Lower Upper
56 100
69 169.6 25.3 37.9#
84 151.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 47.996 ug/l
RT: 6.03 min Scan# 810
Delta R.T. 0.00 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

Tgt Ion: 65 Resp: 193192
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.4

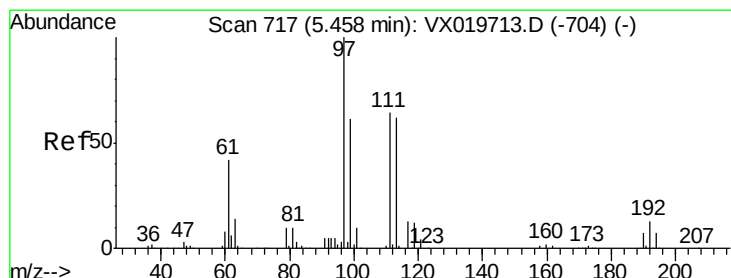
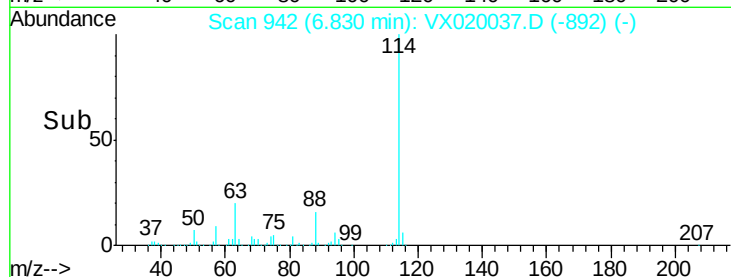
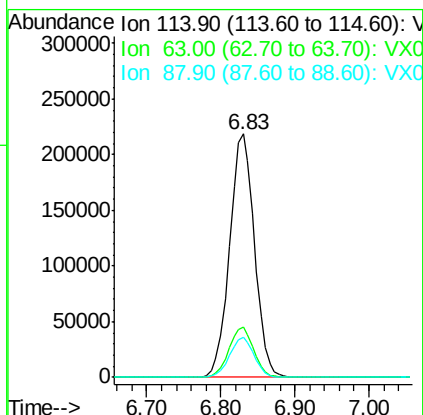
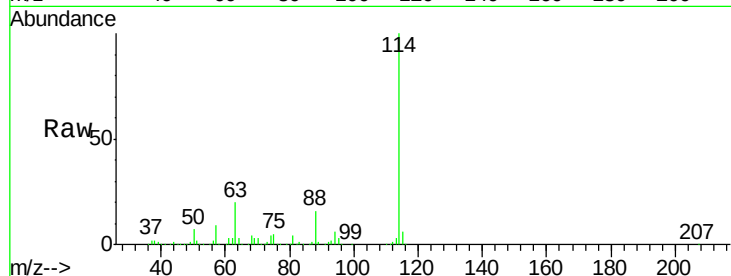




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX020037.D
 Acq: 16 Dec 2020 01:52

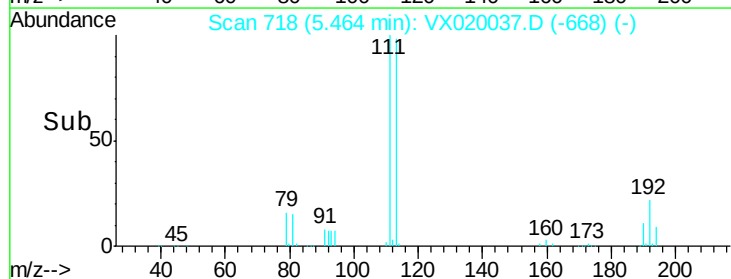
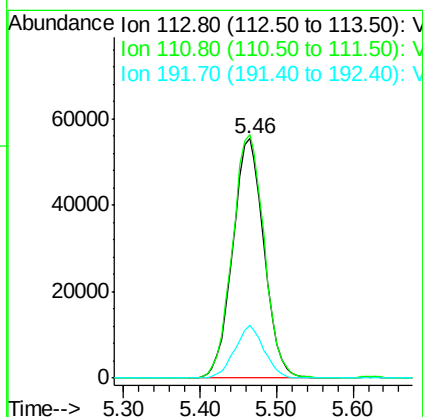
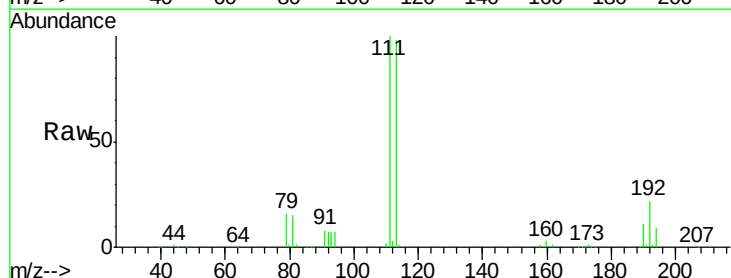
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#13

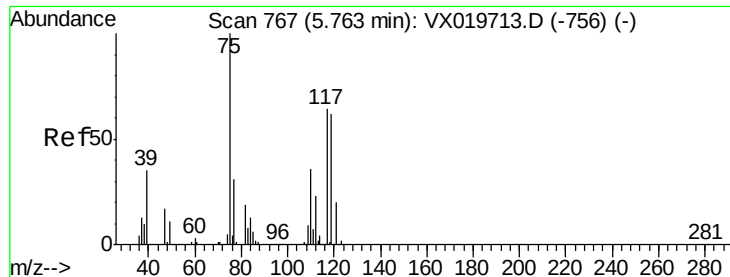
Tgt Ion:	114	Resp:	510299
Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.8
88	16.3	0.0	32.8



#35
 Dibromofluoromethane
 Concen: 47.517 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX020037.D
 Acq: 16 Dec 2020 01:52

Tgt Ion:	113	Resp:	156709
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	20.6	16.7	25.1

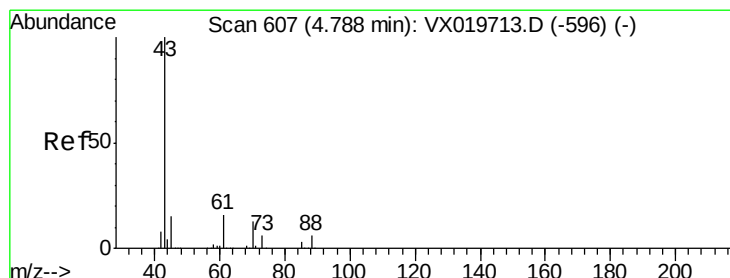
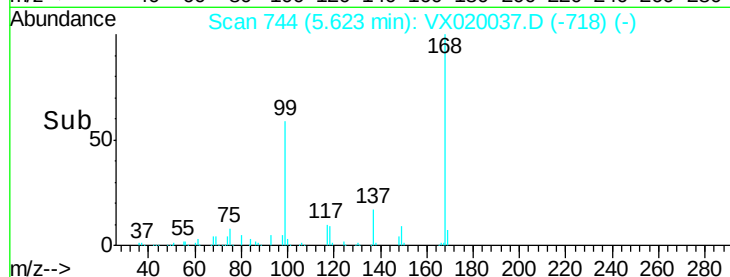
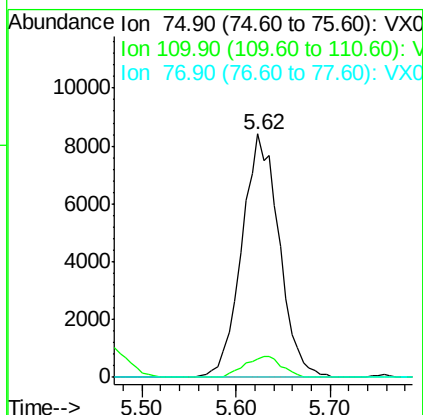
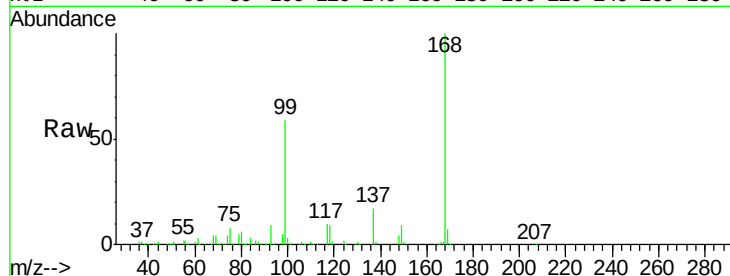




#36
 1,1-Dichloropropene
 Concen: 5.073 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX020037.D
 Acq: 16 Dec 2020 01:52

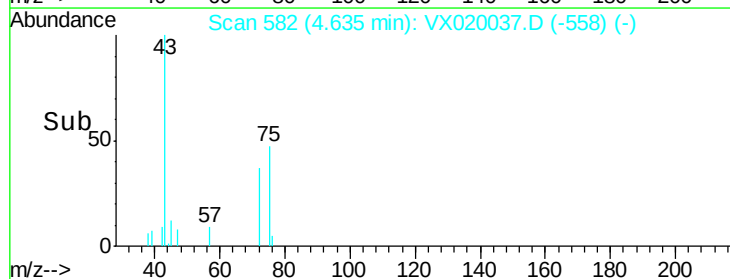
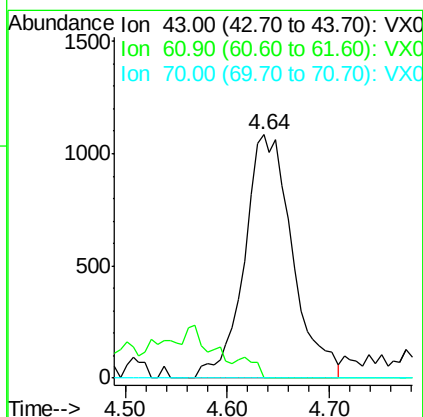
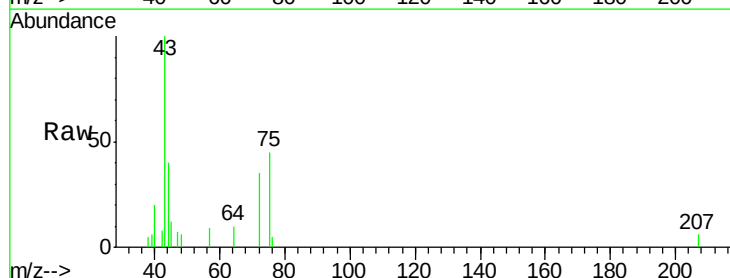
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#13

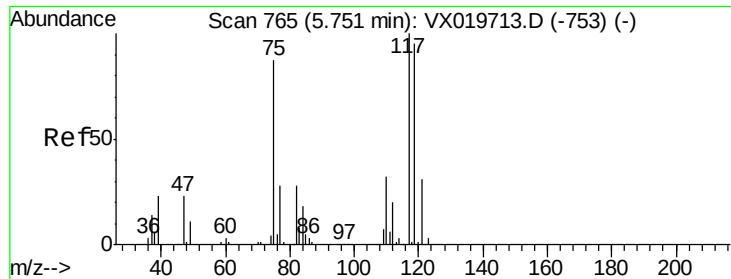
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.4#
77	0.0	25.3	37.9#



#37
 Ethyl Acetate
 Concen: 0.761 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. -0.15 min
 Lab File: VX020037.D
 Acq: 16 Dec 2020 01:52

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#





#38

Carbon Tetrachloride

Concen: 6.696 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX020037.D

Acq: 16 Dec 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#13

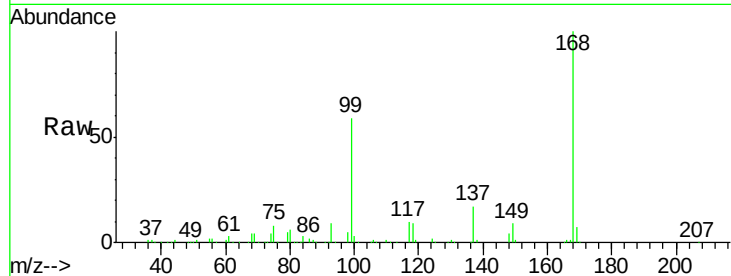
Tgt Ion:117 Resp: 30237

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

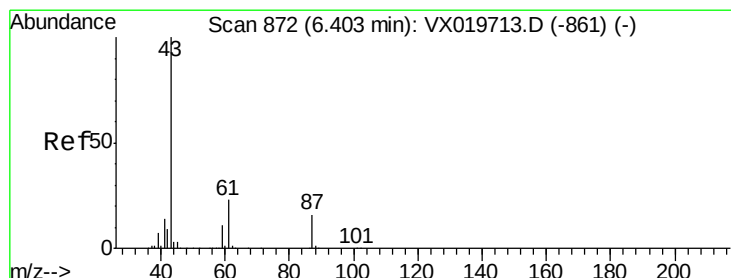
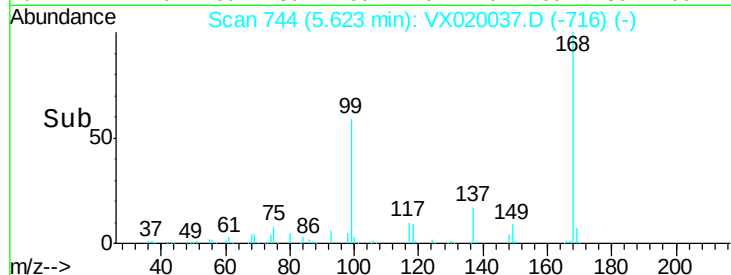
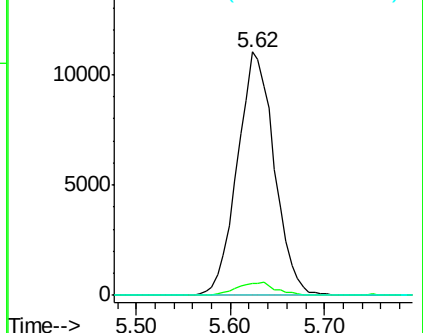
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 3.404 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX020037.D

Acq: 16 Dec 2020 01:52

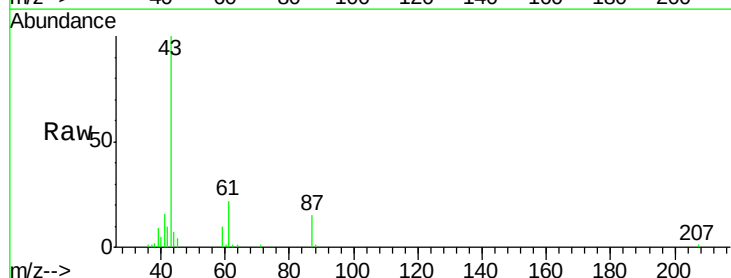
Tgt Ion: 43 Resp: 25764

Ion Ratio Lower Upper

43 100

61 23.0 18.2 27.4

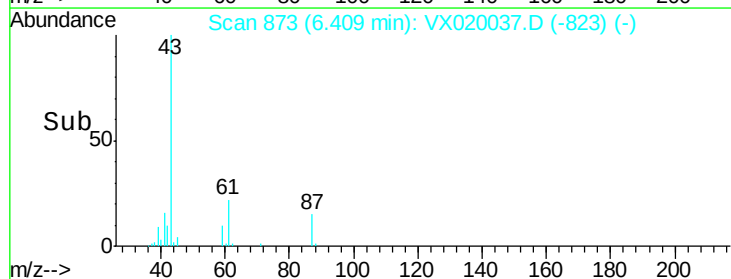
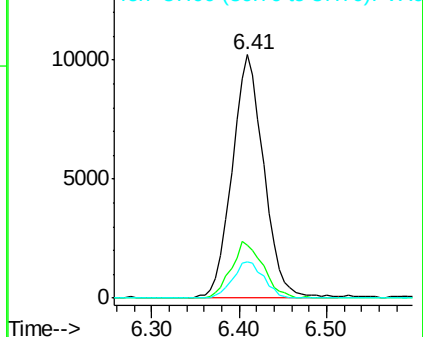
87 14.4 12.5 18.7

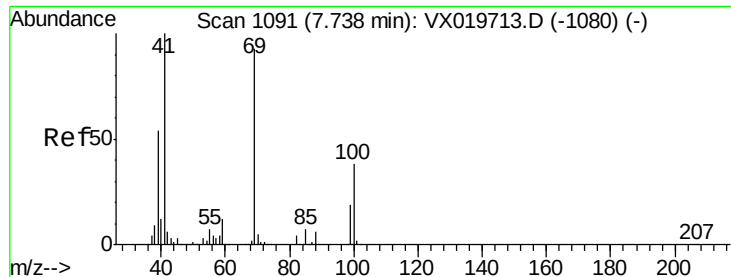


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

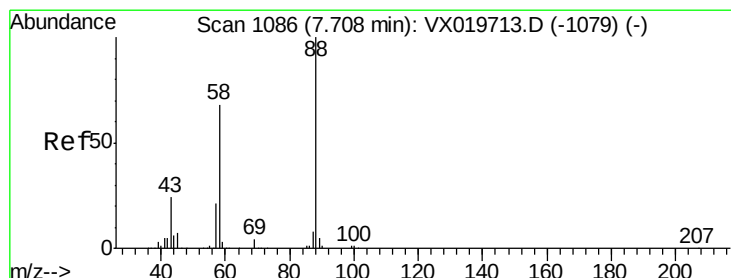
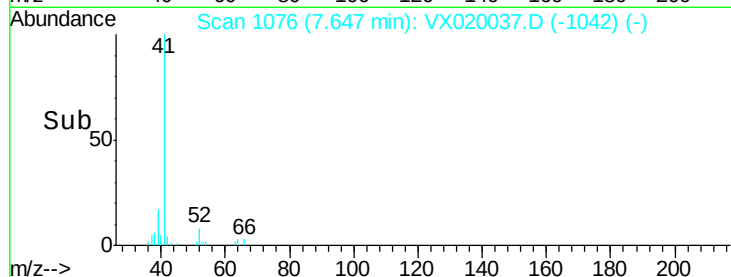
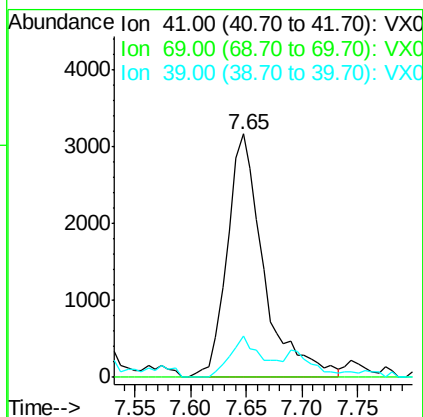
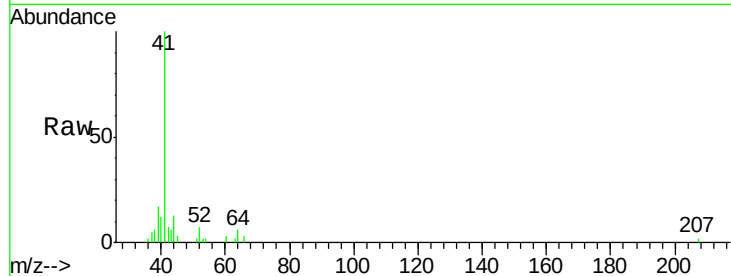




#48
Methyl methacrylate
Concen: 1.933 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

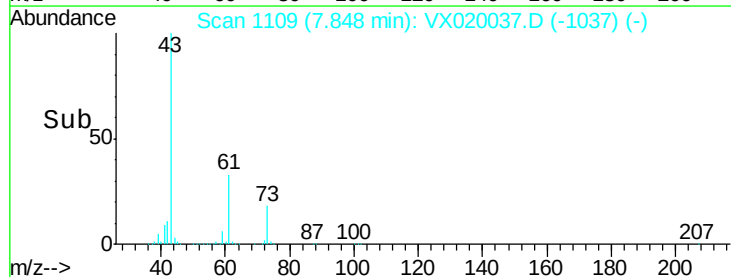
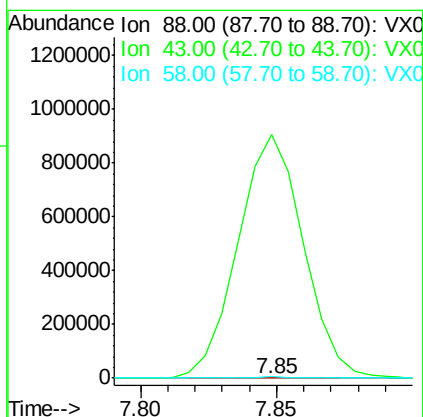
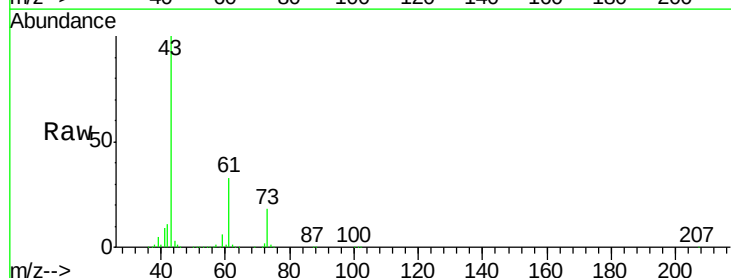
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#13

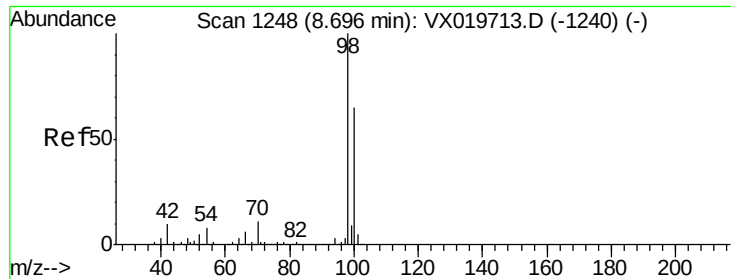
Tgt Ion: 41 Resp: 7196
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.783 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.14 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

Tgt Ion: 88 Resp: 251
Ion Ratio Lower Upper
88 100
43 604883.3 23.2 34.8#
58 3097.2 55.0 82.4#

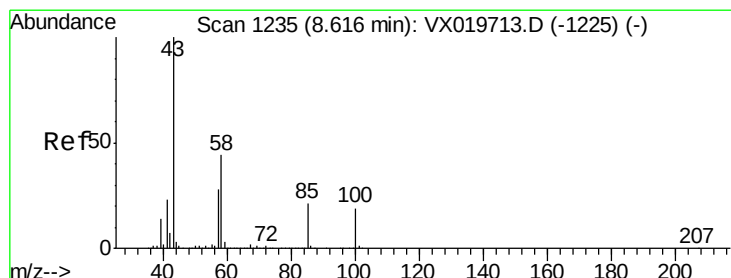
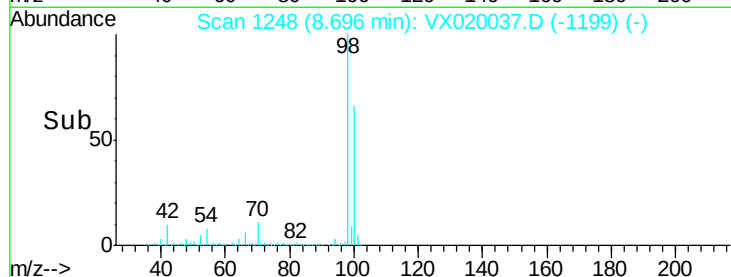
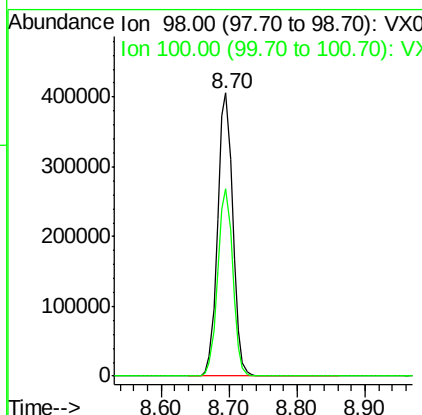
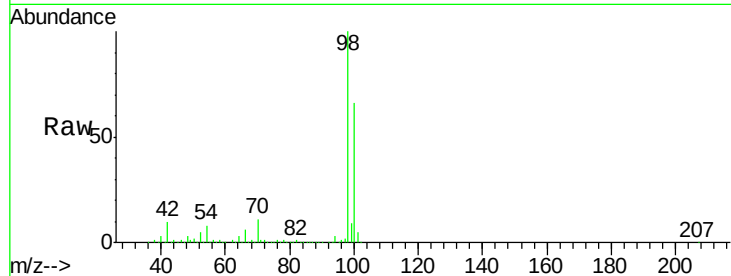




#50
Toluene-d8
Concen: 49.750 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

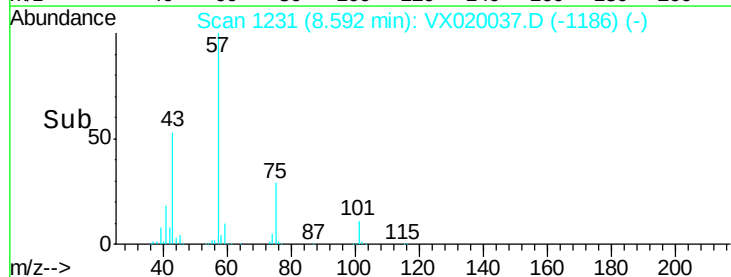
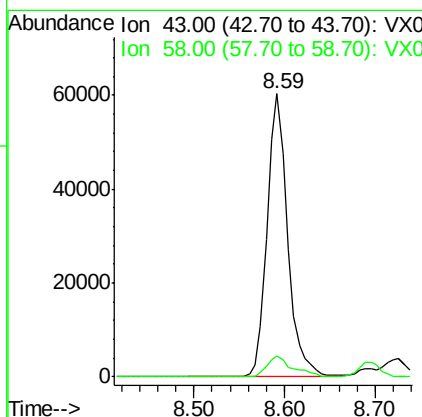
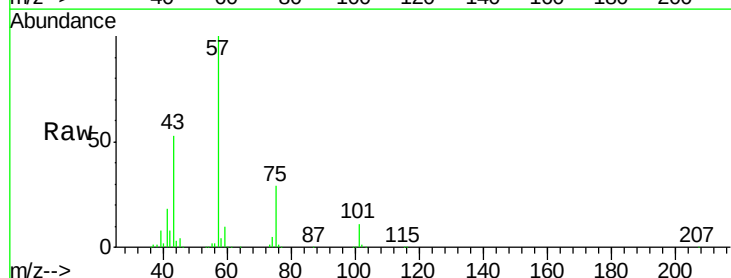
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#13

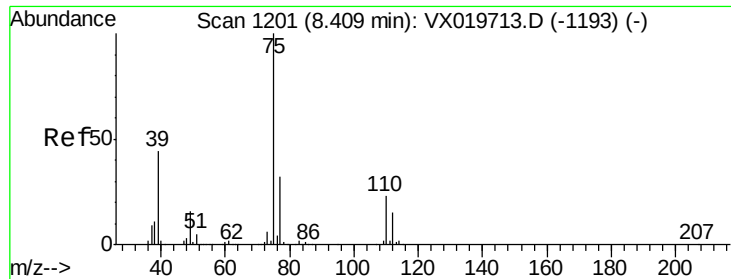
Tgt Ion: 98 Resp: 626393
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.384 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

Tgt Ion: 43 Resp: 94202
Ion Ratio Lower Upper
43 100
58 9.3 35.4 53.0#



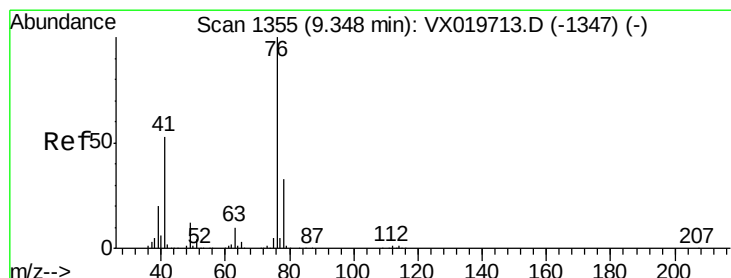
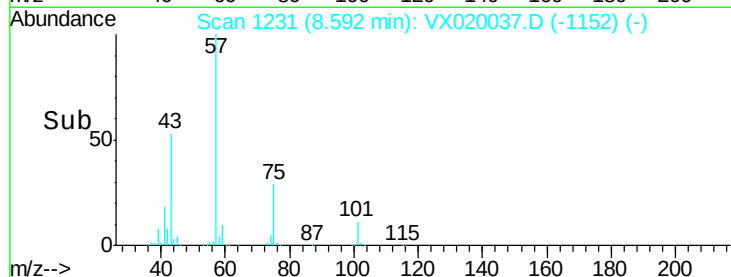
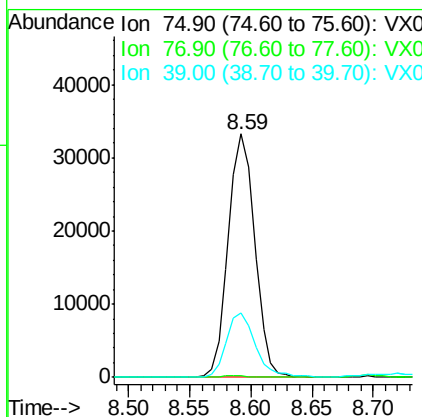
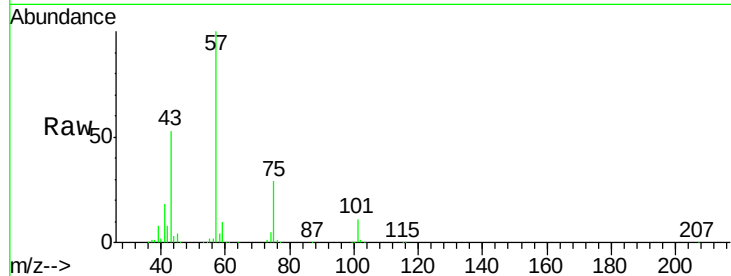


#54

cis-1,3-Dichloropropene
 Concen: 8.830 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX020037.D
 Acq: 16 Dec 2020 01:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#13

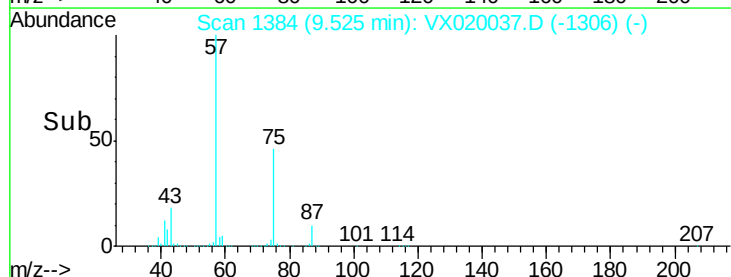
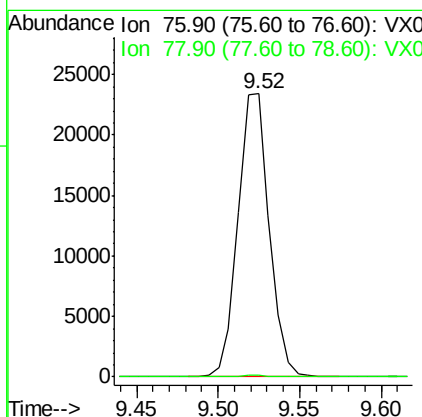
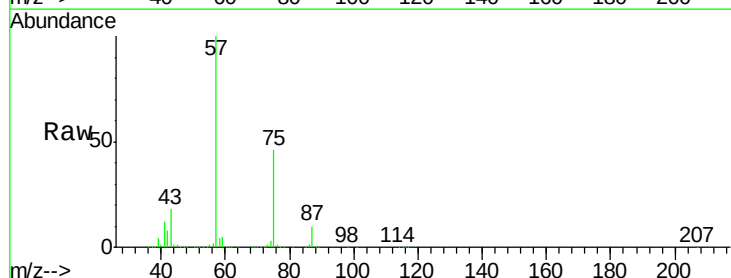
Tgt Ion: 75 Resp: 50217
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 26.7 35.1 52.7#

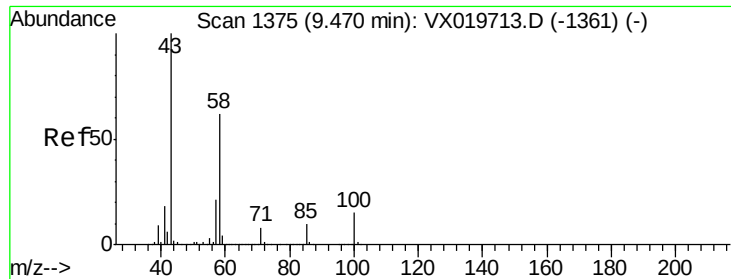


#57

1,3-Dichloropropane
 Concen: 5.156 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX020037.D
 Acq: 16 Dec 2020 01:52

Tgt Ion: 76 Resp: 31259
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

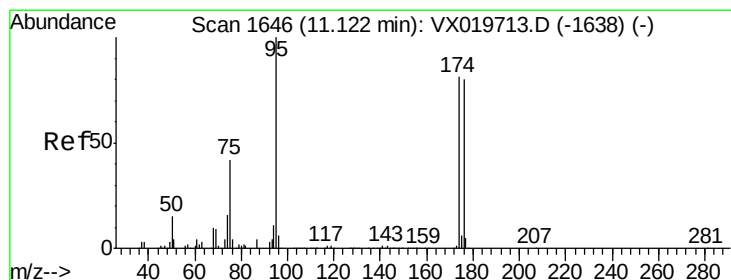
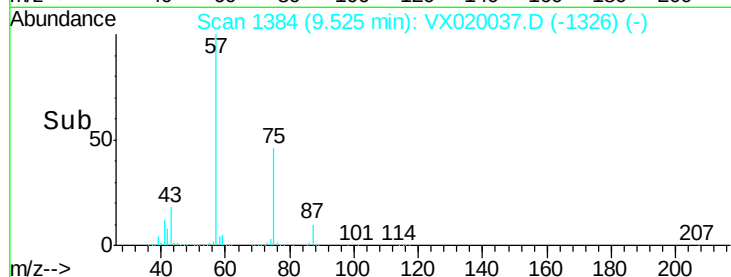
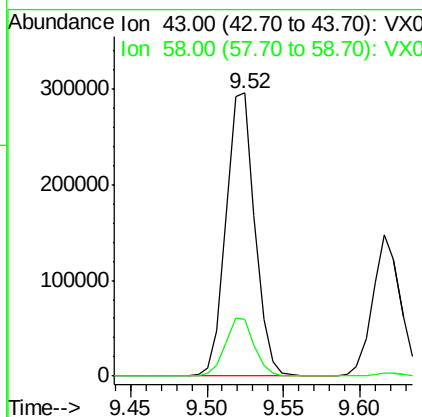
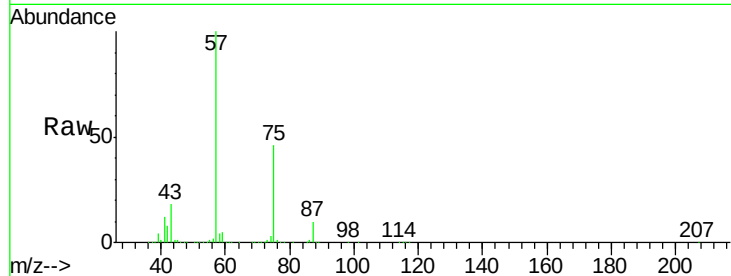




#59
2-Hexanone
Concen: 107.591 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

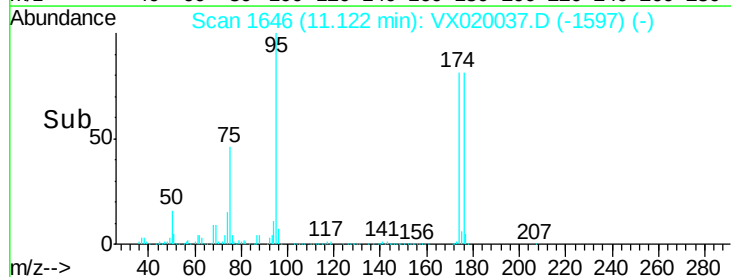
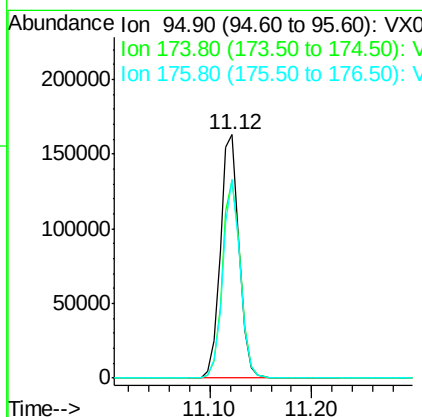
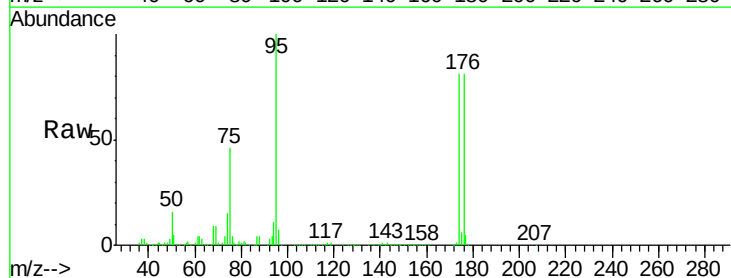
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#13

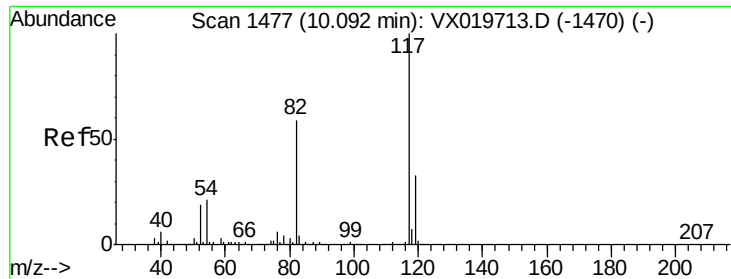
Tgt Ion: 43 Resp: 385409
Ion Ratio Lower Upper
43 100
58 20.6 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 43.581 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

Tgt Ion: 95 Resp: 208852
Ion Ratio Lower Upper
95 100
174 78.4 0.0 154.6
176 75.6 0.0 155.8

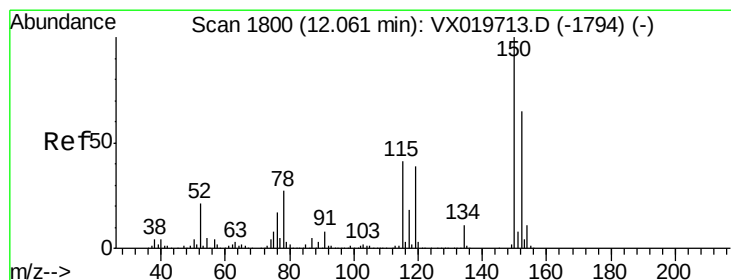
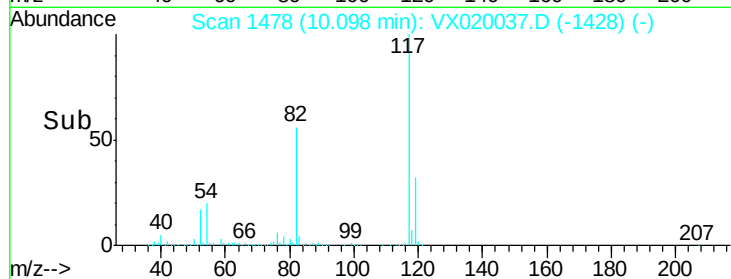
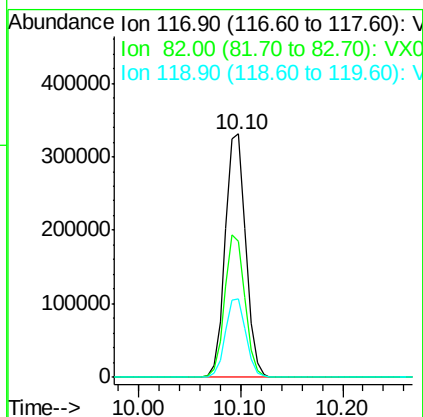
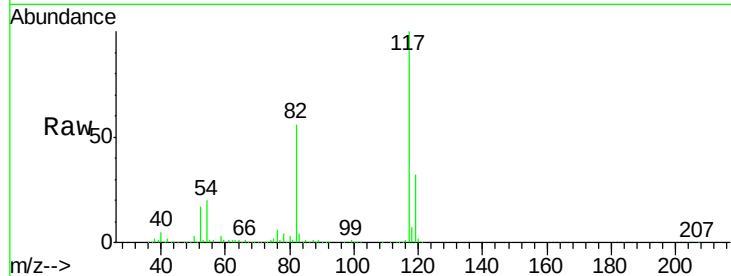




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

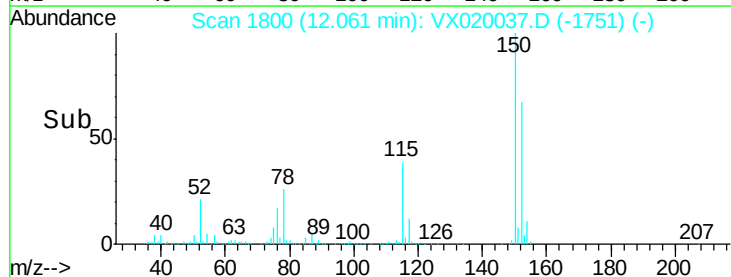
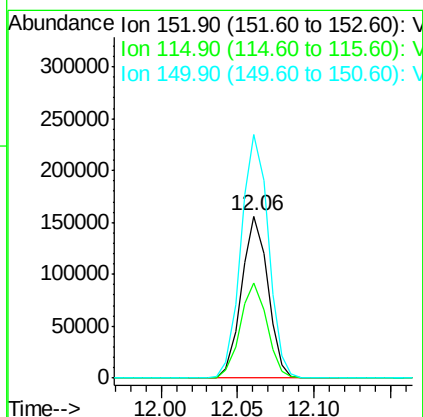
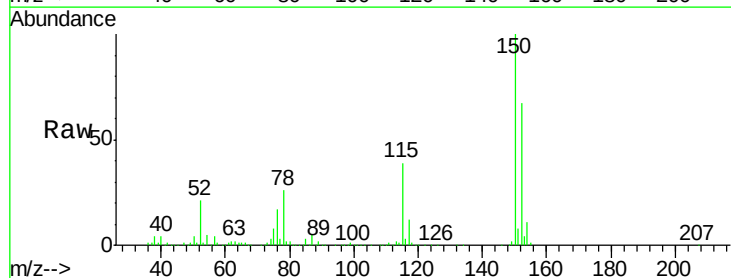
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#13

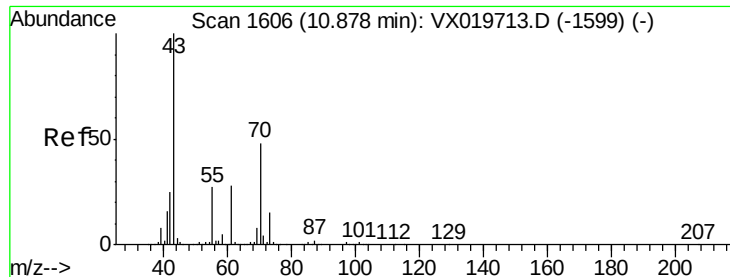
Tgt Ion:117 Resp: 459785
Ion Ratio Lower Upper
117 100
82 56.0 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX020037.D
Acq: 16 Dec 2020 01:52

Tgt Ion:152 Resp: 187167
Ion Ratio Lower Upper
152 100
115 59.2 41.1 123.3
150 156.0 0.0 349.0





#74

N-ethyl acetate

Concen: 3.489 ug/l

RT: 10.68 min Scan# 1573

Delta R.T. -0.20 min

Lab File: VX020037.D

Acq: 16 Dec 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#13

Tgt Ion: 43 Resp: 17880

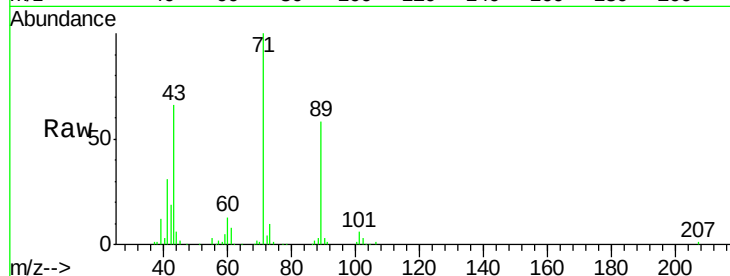
Ion Ratio Lower Upper

43 100

70 2.1 39.0 58.6#

55 5.7 21.5 32.3#

61 12.0 22.1 33.1#

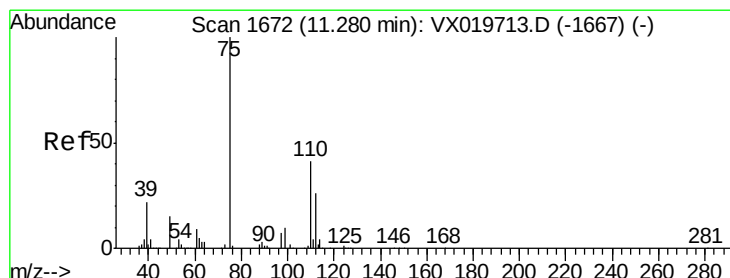
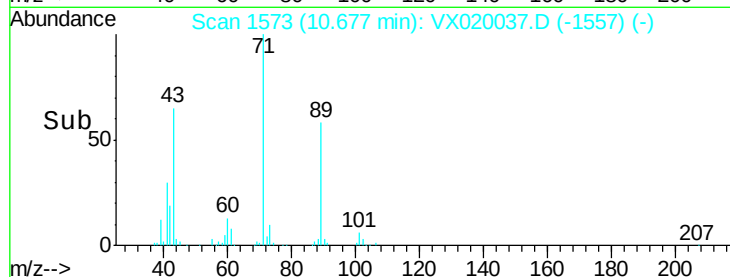
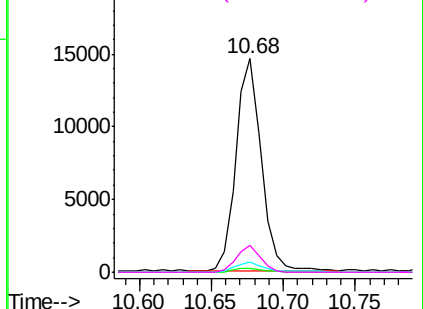


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 23.624 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX020037.D

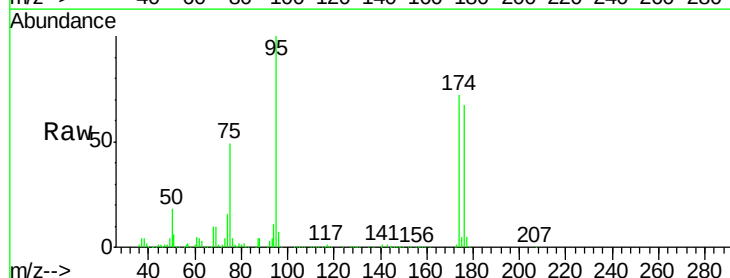
Acq: 16 Dec 2020 01:52

Tgt Ion: 75 Resp: 99168

Ion Ratio Lower Upper

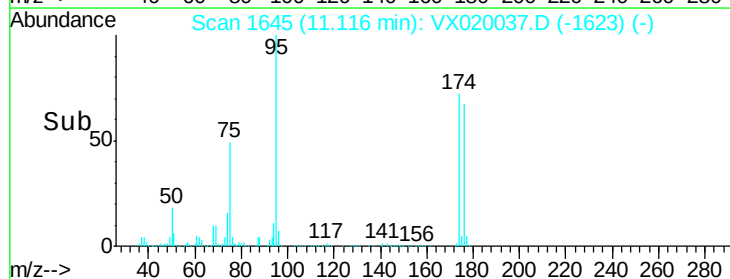
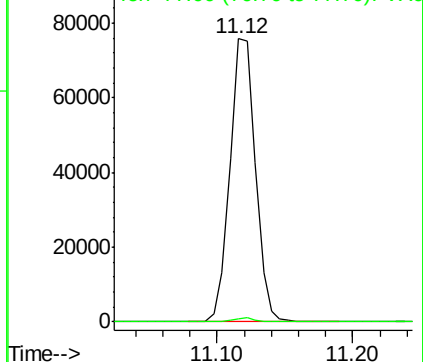
75 100

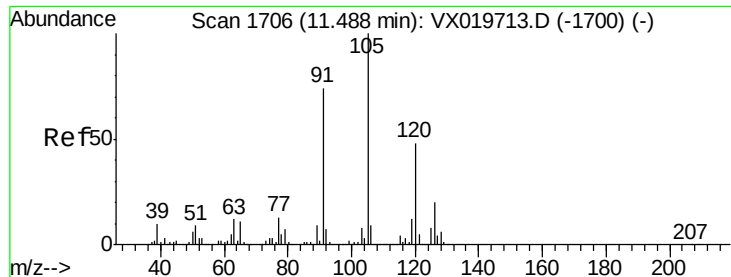
77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

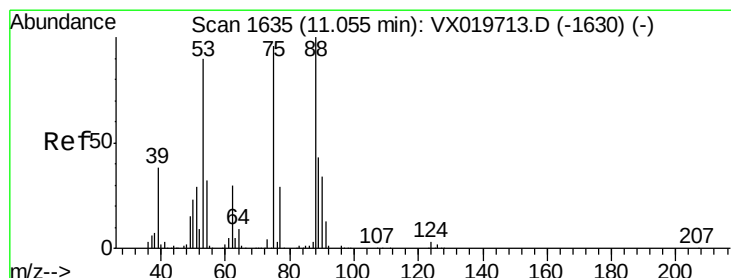
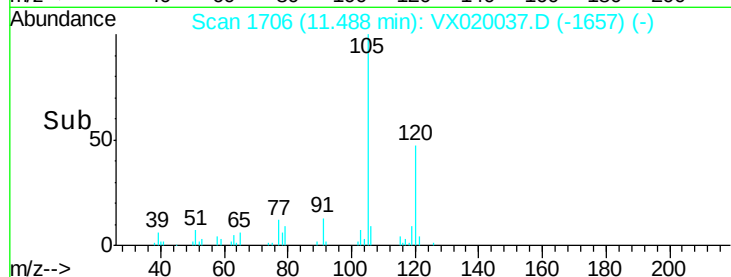
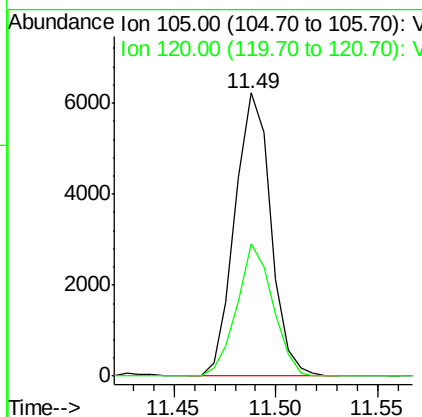
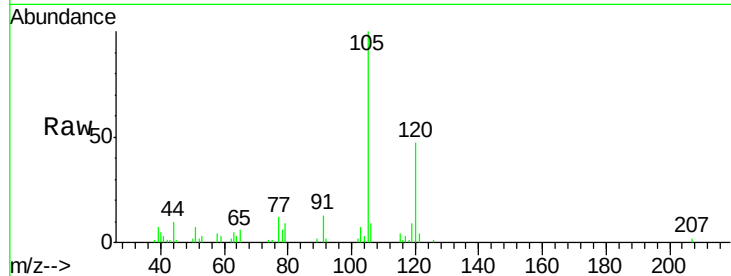




#80
 1,3,5-Trimethylbenzene
 Concen: 0.706 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX020037.D
 Acq: 16 Dec 2020 01:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#13

Tgt Ion: 105 Resp: 7615
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.292 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. 0.06 min
 Lab File: VX020037.D
 Acq: 16 Dec 2020 01:52

Tgt Ion: 75 Resp: 99168
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

