

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019942.D
 Acq On : 12 Dec 2020 19:07
 Operator : JC/MD
 Sample : PB133524ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133524ZHE#06

Quant Time: Dec 14 08:19:33 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	296517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	484166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	461458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	186948	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	187688	48.16	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.32%		
35) Dibromofluoromethane	5.46	113	153361	49.01	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.02%		
50) Toluene-d8	8.70	98	607769	50.88	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.76%		
62) 4-Bromofluorobenzene	11.12	95	207491	45.63	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.26%		

Target Compounds

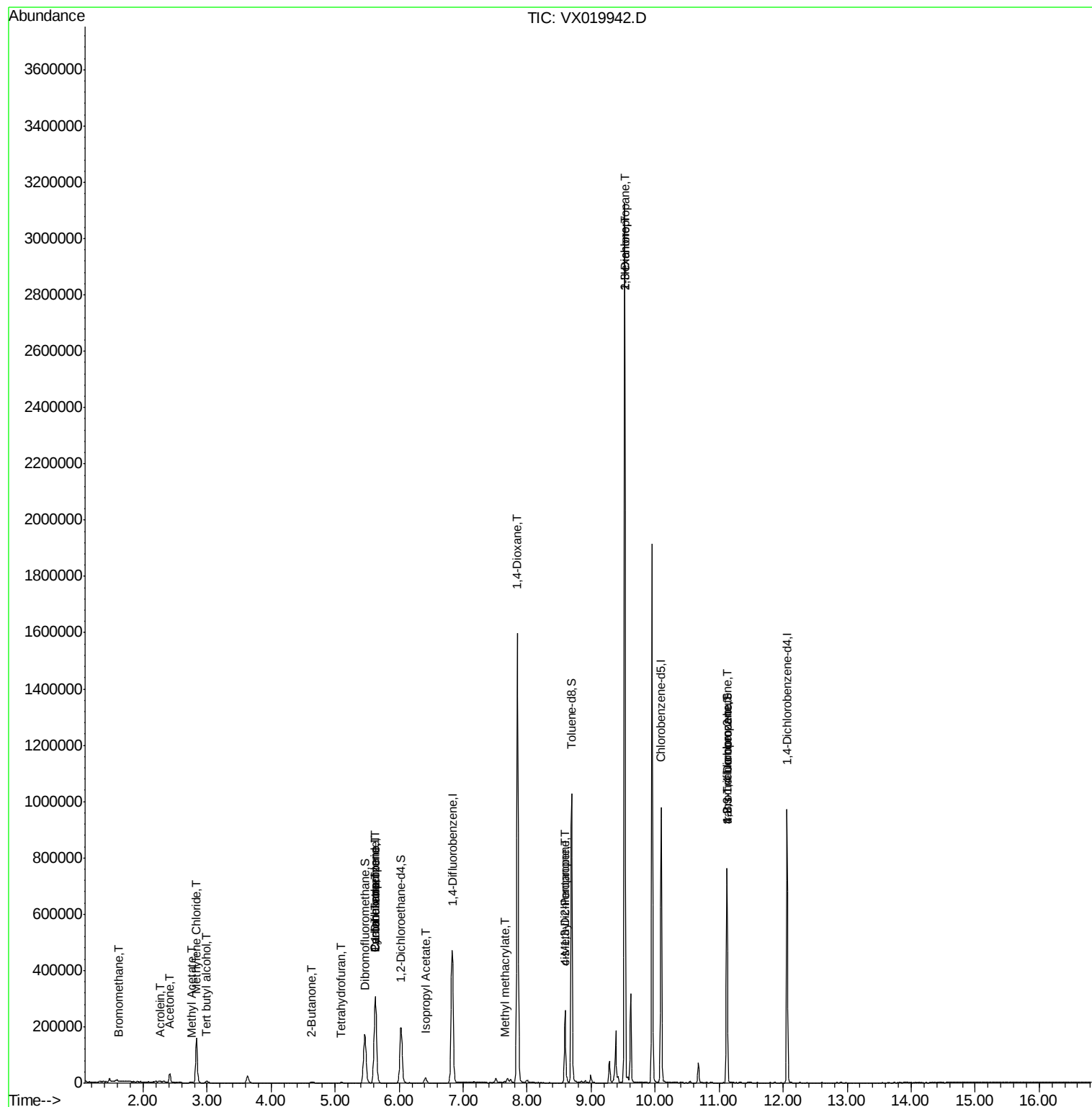
						Qvalue
5) Bromomethane	1.63	94	521	0.466	ug/l	93
11) Tert butyl alcohol	3.00	59	4597	3.158	ug/l #	81
13) Acrolein	2.27	56	145	0.337	ug/l #	1
16) Acetone	2.42	43	33097	22.595	ug/l	100
18) Methyl Acetate	2.75	43	2536	0.707	ug/l	93
20) Methylene Chloride	2.83	84	77180	22.291	ug/l	97
25) 2-Butanone	4.64	43	4704	2.090	ug/l	92
29) Tetrahydrofuran	5.10	42	974	0.672	ug/l #	83
31) Cyclohexane	5.63	56	5607	1.157	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22456	5.133	ug/l #	49
38) Carbon Tetrachloride	5.63	117	28927	6.752	ug/l #	18
43) Isopropyl Acetate	6.41	43	23752	3.307	ug/l	98
48) Methyl methacrylate	7.65	41	6089	1.724	ug/l #	10
49) 1,4-Dioxane	7.85	88	323	3.775	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	82729	18.868	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	43096	7.987	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	28117	4.888	ug/l #	43
59) 2-Hexanone	9.52	43	332594	97.859	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	100369	23.938	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	100369	69.200	ug/l #	12

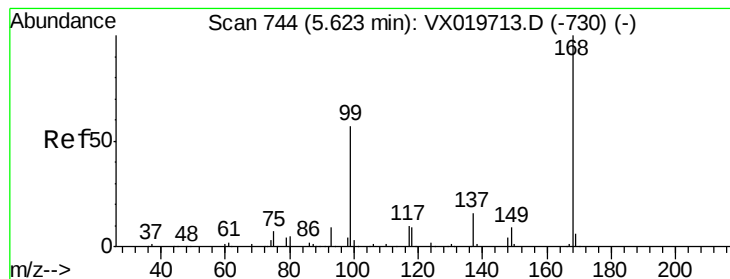
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
Data File : VX019942.D
Acq On : 12 Dec 2020 19:07
Operator : JC/MD
Sample : PB133524ZHE#06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#06

Quant Time: Dec 14 08:19:33 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: VX019942.D

Acq: 12 Dec 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

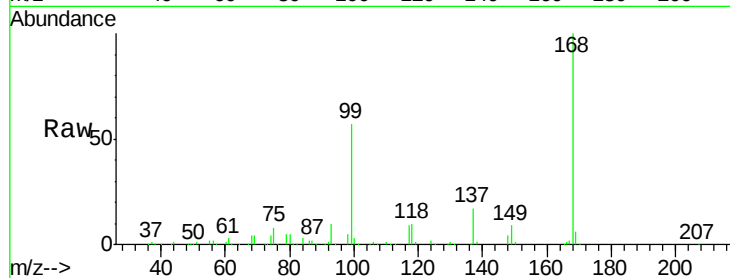
PB133524ZHE#06

Tgt Ion:168 Resp: 296517

Ion Ratio Lower Upper

168 100

99 57.3 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

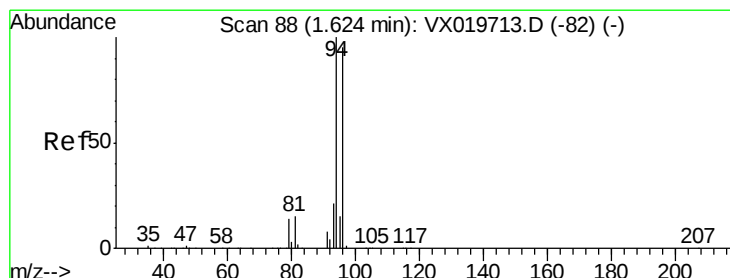
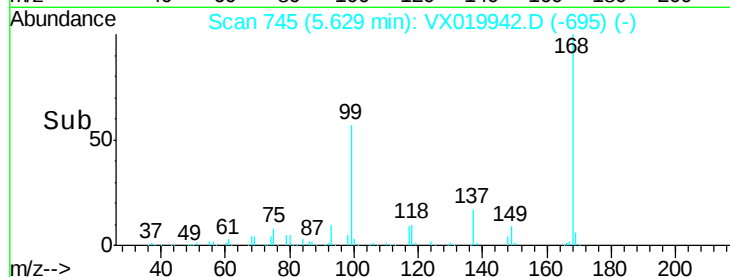
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.466 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019942.D

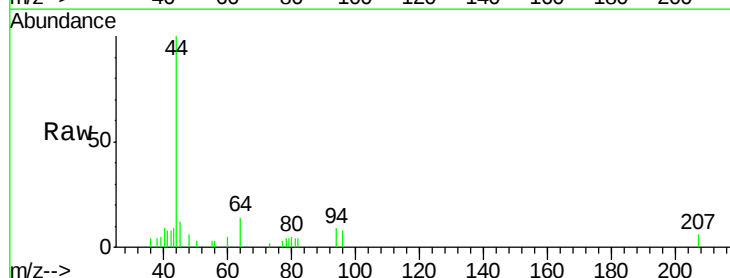
Acq: 12 Dec 2020 19:07

Tgt Ion: 94 Resp: 521

Ion Ratio Lower Upper

94 100

96 88.7 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

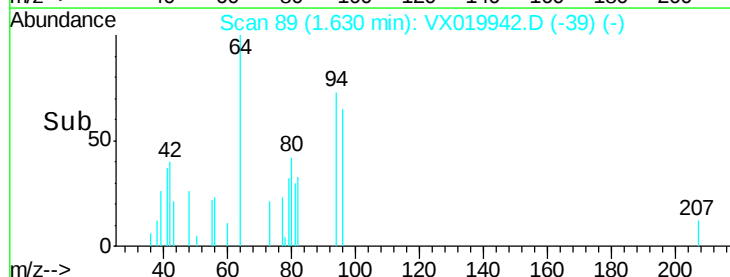
150

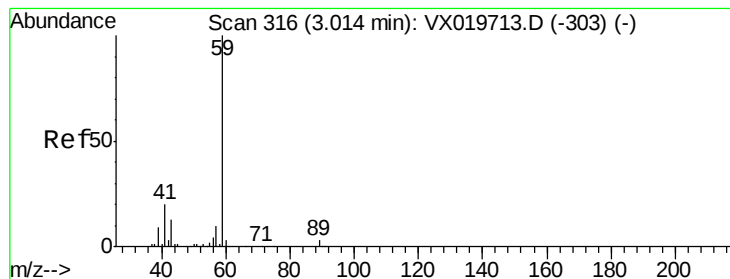
100

50

0

Time-->



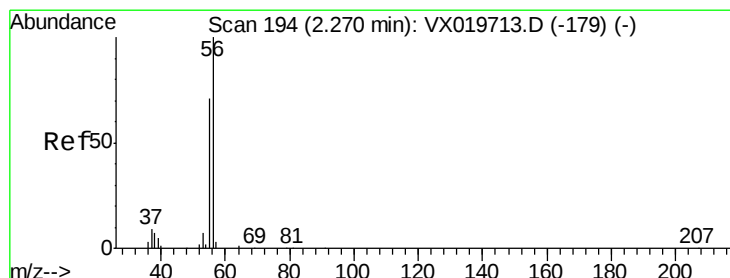
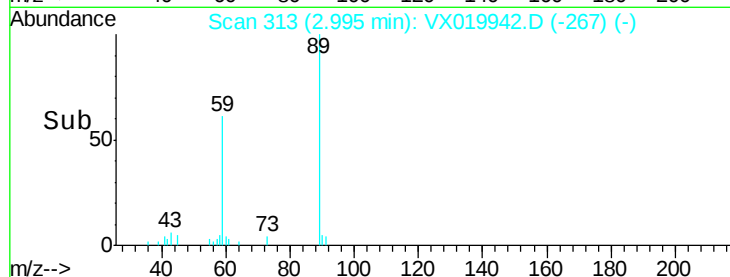
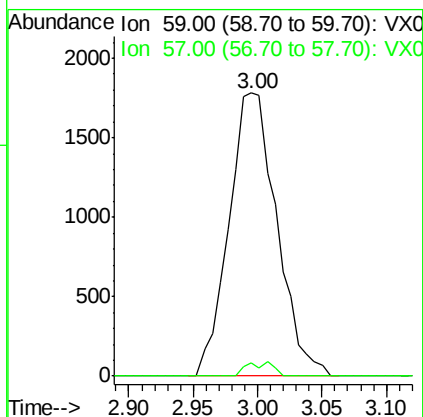
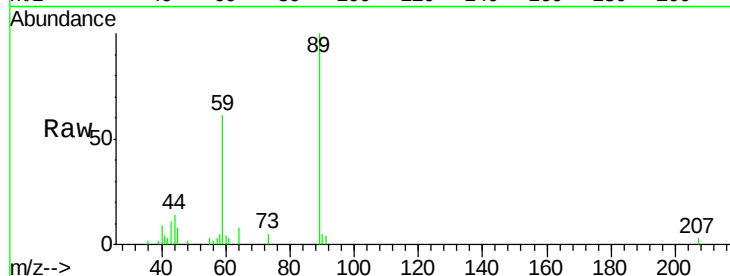


#11

Tert butyl alcohol
 Concen: 3.158 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX019942.D
 Acq: 12 Dec 2020 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133524ZHE#06

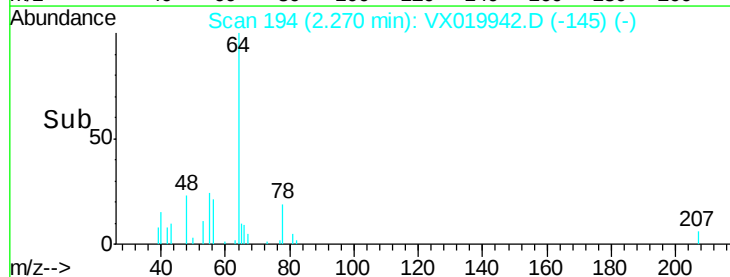
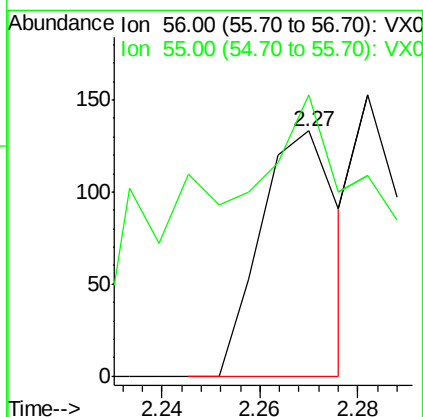
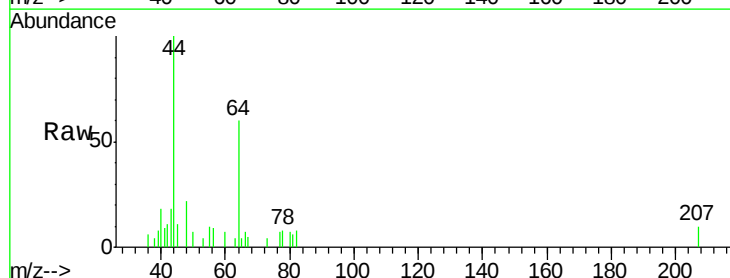
Tgt Ion: 59 Resp: 4597
 Ion Ratio Lower Upper
 59 100
 57 2.7 7.8 11.8#

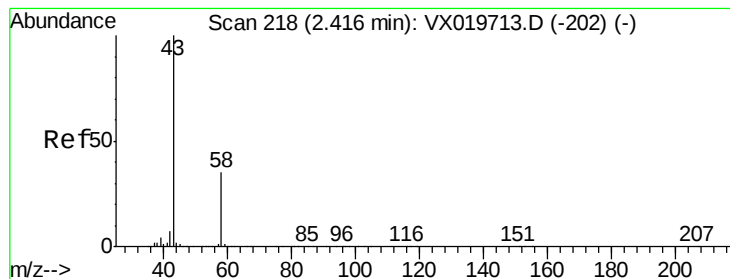


#13

Acrolein
 Concen: 0.337 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VX019942.D
 Acq: 12 Dec 2020 19:07

Tgt Ion: 56 Resp: 145
 Ion Ratio Lower Upper
 56 100
 55 349.0 56.4 84.6#





#16

Acetone

Concen: 22.595 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019942.D

Acq: 12 Dec 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

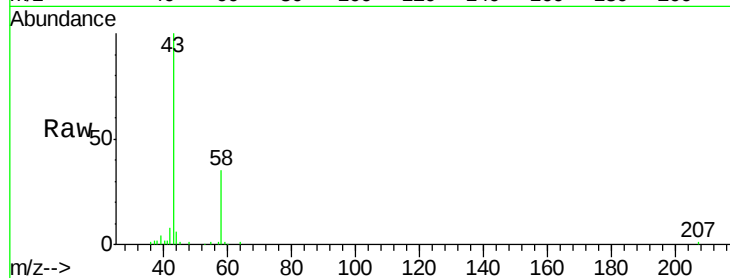
PB133524ZHE#06

Tgt Ion: 43 Resp: 33097

Ion Ratio Lower Upper

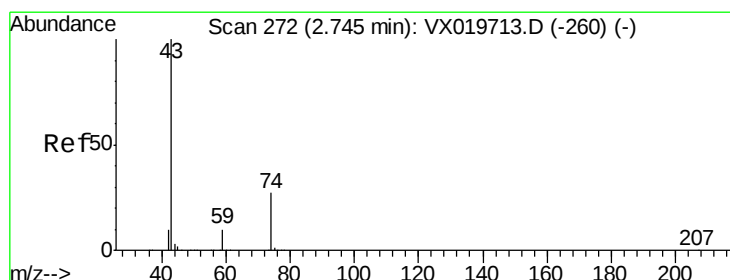
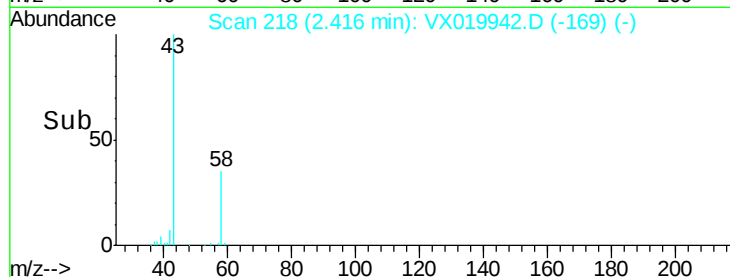
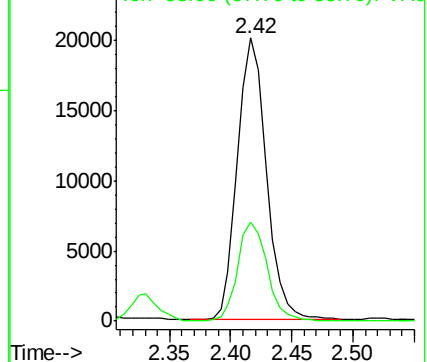
43 100

58 35.1 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: 0.707 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019942.D

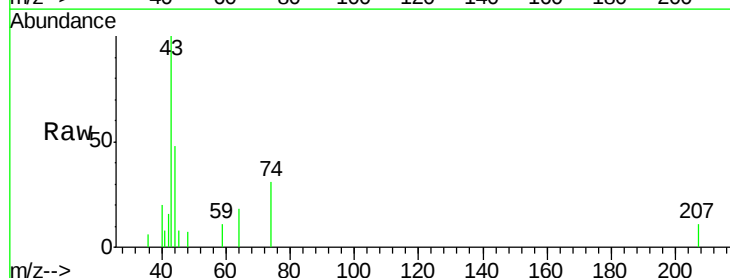
Acq: 12 Dec 2020 19:07

Tgt Ion: 43 Resp: 2536

Ion Ratio Lower Upper

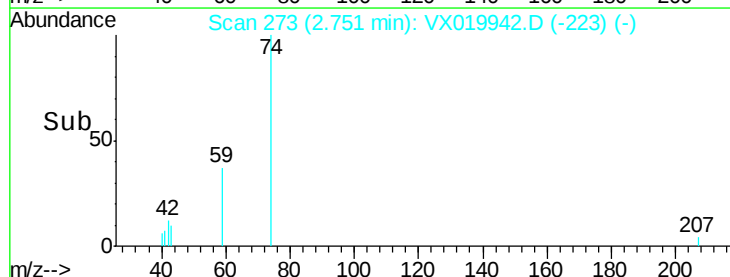
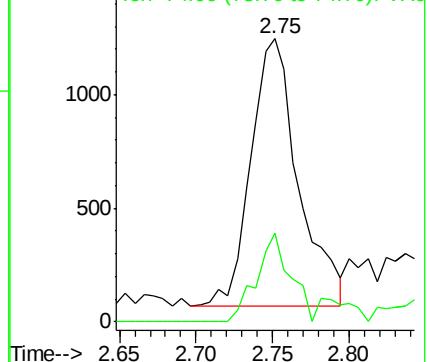
43 100

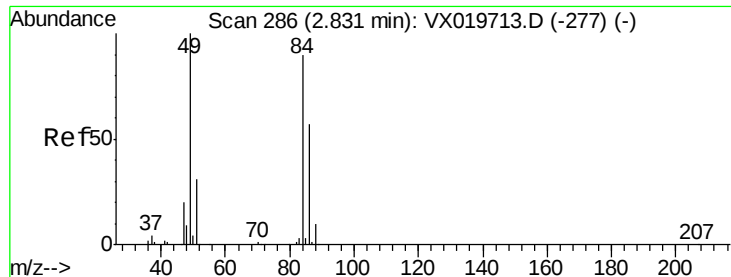
74 23.8 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 22.291 ug/l

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019942.D

Acq: 12 Dec 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#06

Tgt Ion: 84 Resp: 77180

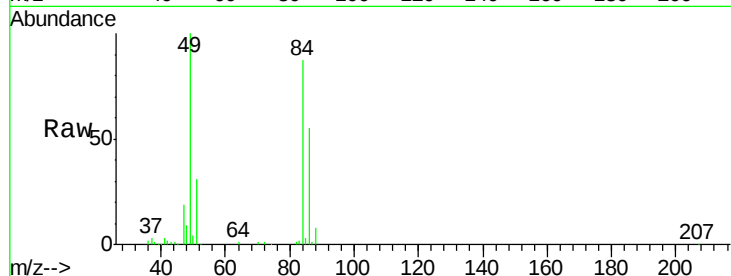
Ion Ratio Lower Upper

84 100

49 115.4 88.6 132.8

51 35.9 27.0 40.6

86 63.7 50.3 75.5

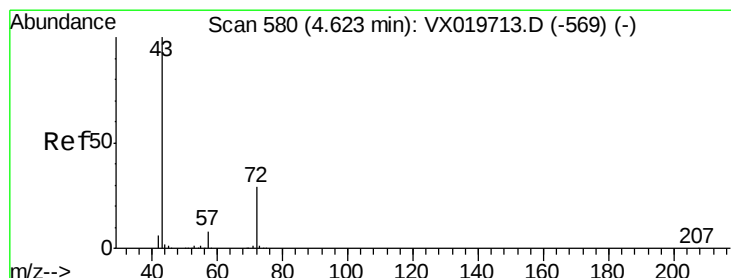
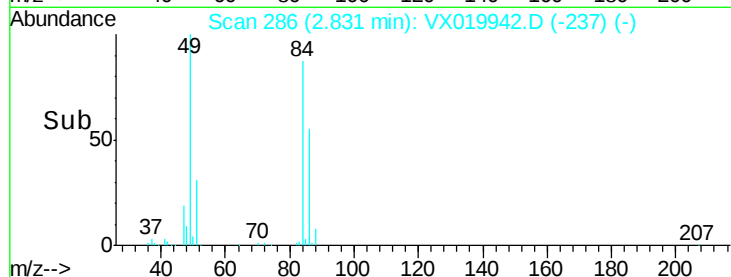
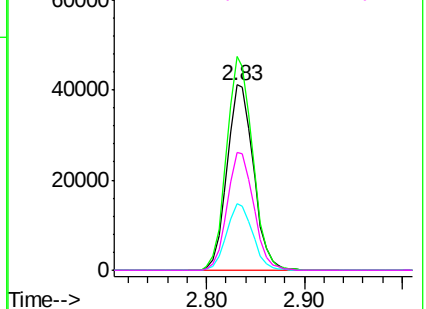


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 2.090 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX019942.D

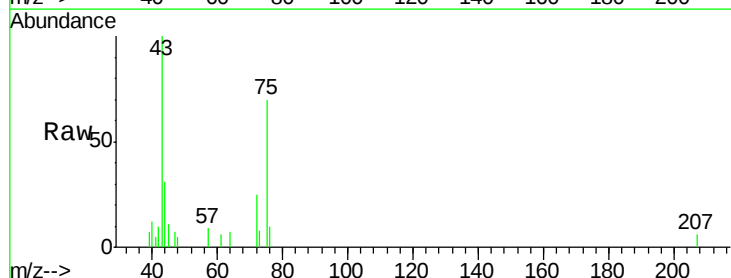
Acq: 12 Dec 2020 19:07

Tgt Ion: 43 Resp: 4704

Ion Ratio Lower Upper

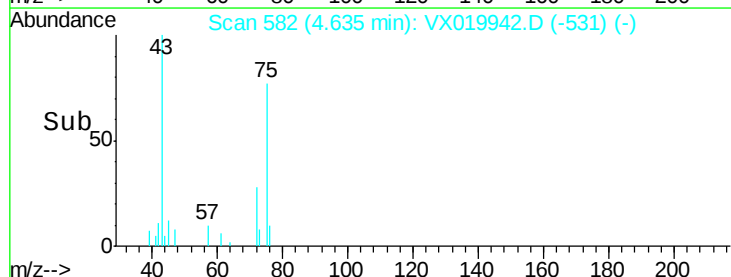
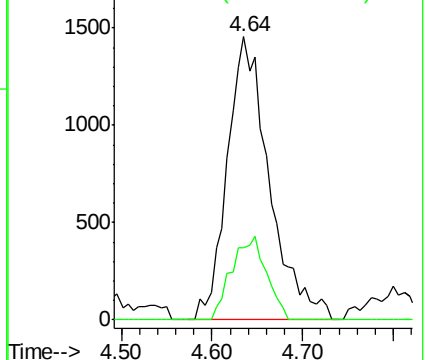
43 100

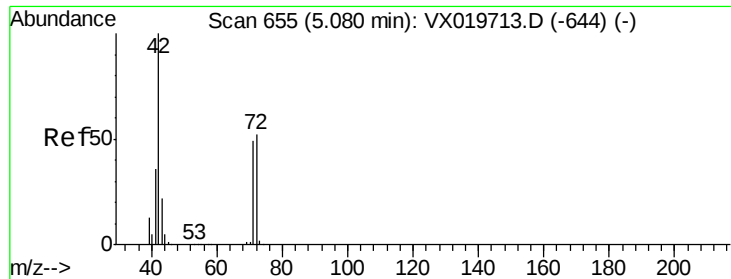
72 25.4 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.672 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.02 min

Lab File: VX019942.D

Acq: 12 Dec 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#06

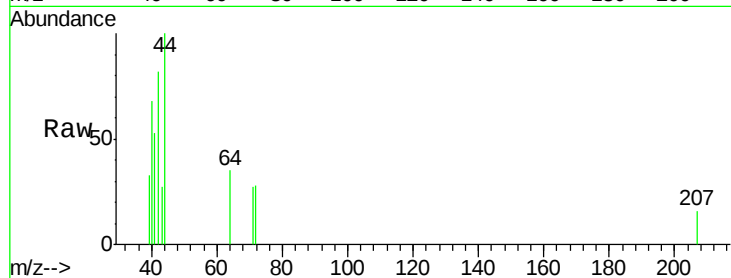
Tgt Ion: 42 Resp: 974

Ion Ratio Lower Upper

42 100

72 43.6 41.7 62.5

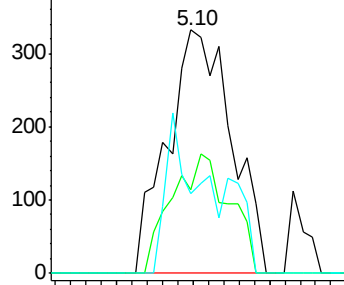
71 33.3 38.4 57.6#



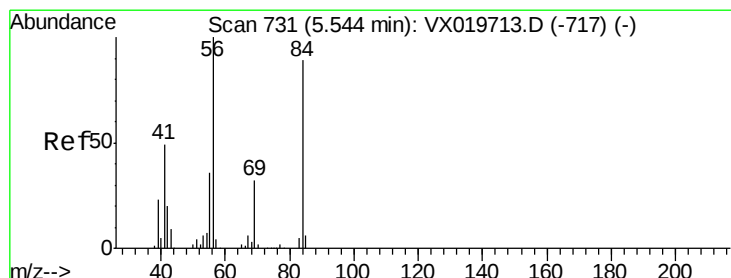
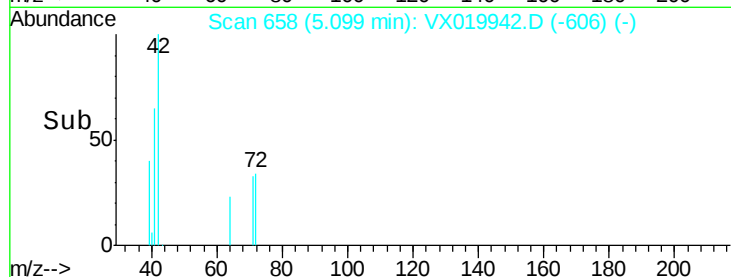
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.157 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX019942.D

Acq: 12 Dec 2020 19:07

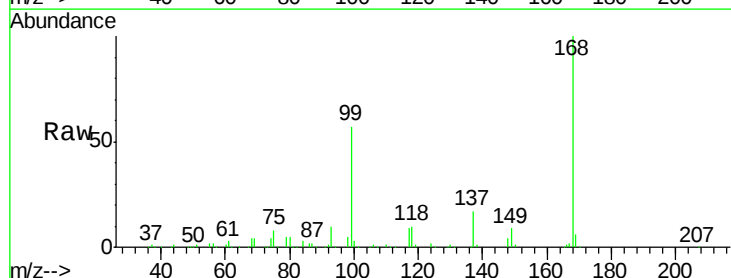
Tgt Ion: 56 Resp: 5607

Ion Ratio Lower Upper

56 100

69 181.2 25.3 37.9#

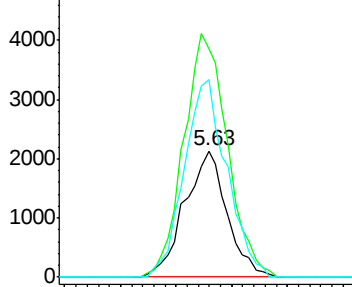
84 156.7 71.4 107.0#



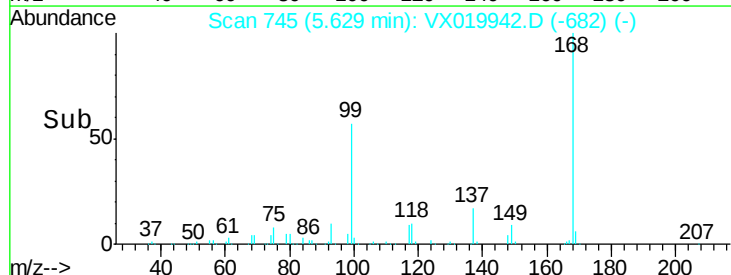
Abundance Ion 56.00 (55.70 to 56.70): VX0

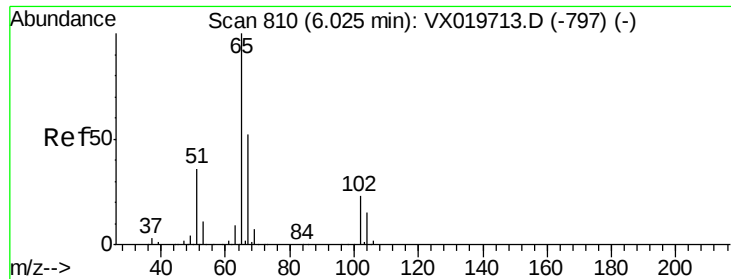
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->

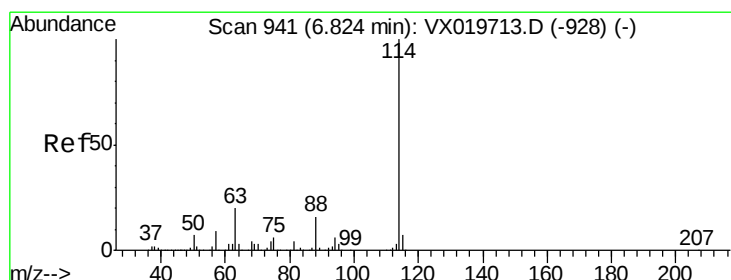
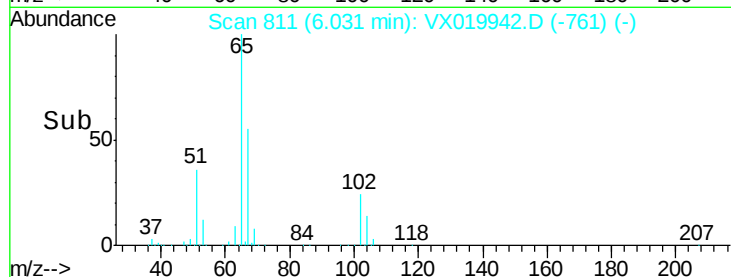
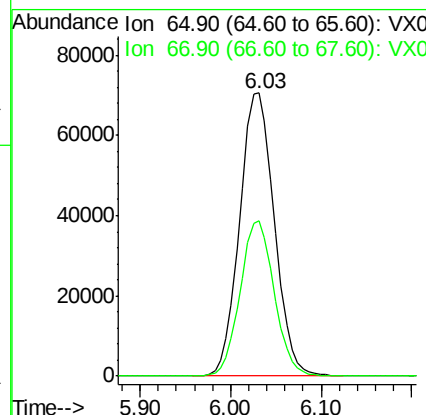
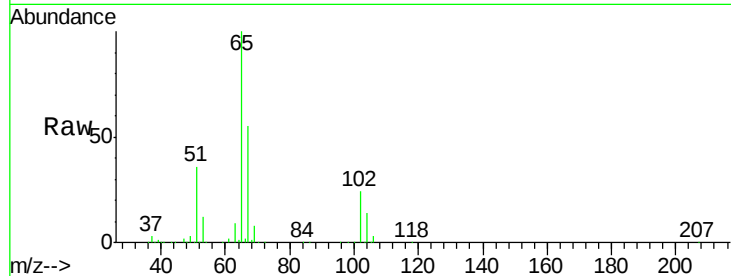




#33
 1,2-Dichloroethane-d4
 Concen: 48.161 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019942.D
 Acq: 12 Dec 2020 19:07

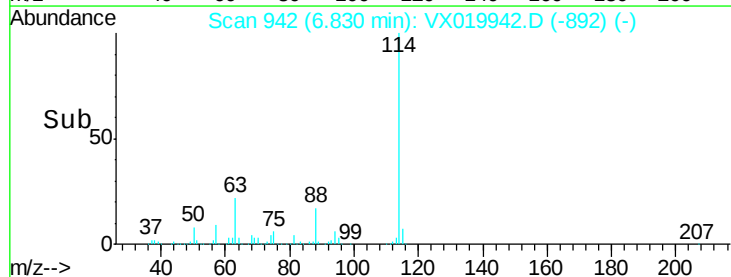
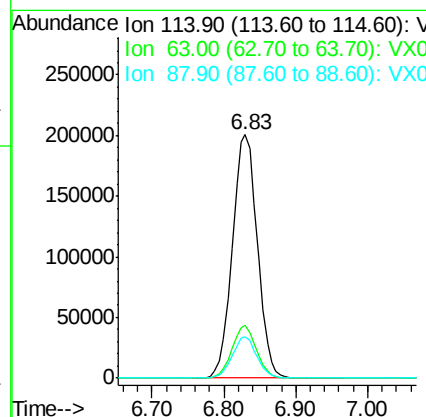
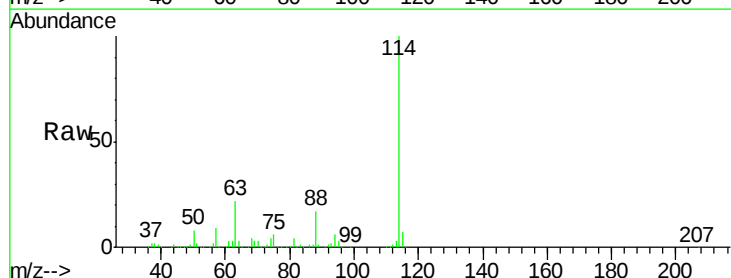
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133524ZHE#06

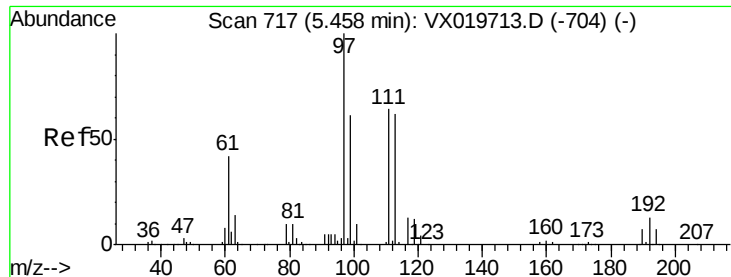
Tgt Ion: 65 Resp: 187688
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019942.D
 Acq: 12 Dec 2020 19:07

Tgt Ion: 114 Resp: 484166
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 40.8
 88 17.0 0.0 32.8

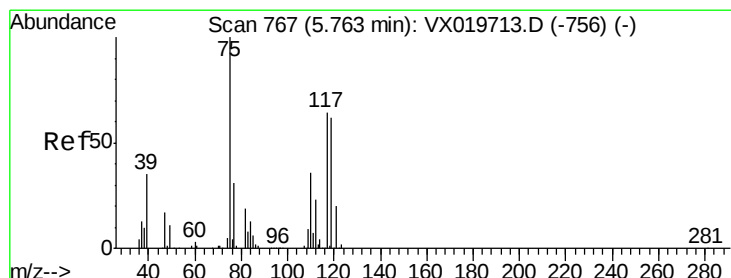
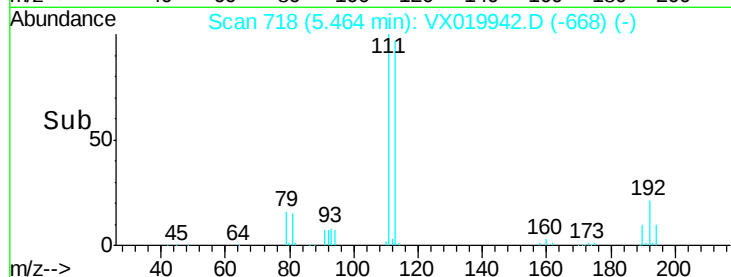
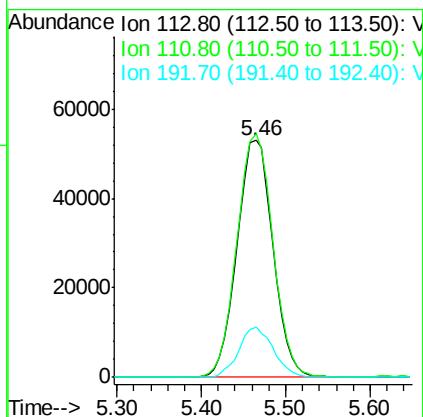
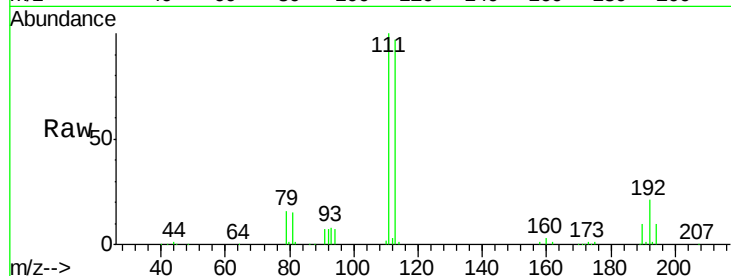




#35
Dibromofluoromethane
Concen: 49.011 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019942.D
Acq: 12 Dec 2020 19:07

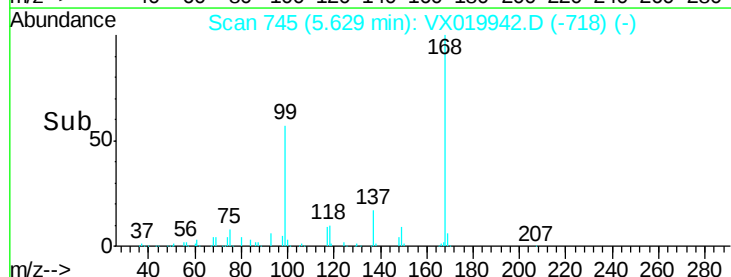
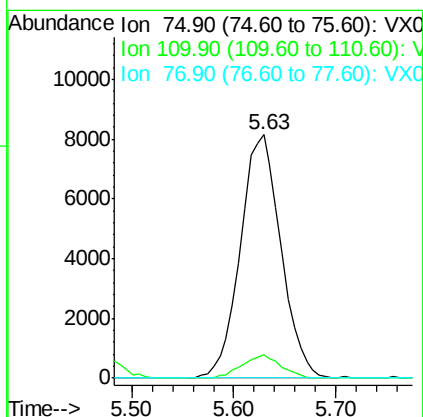
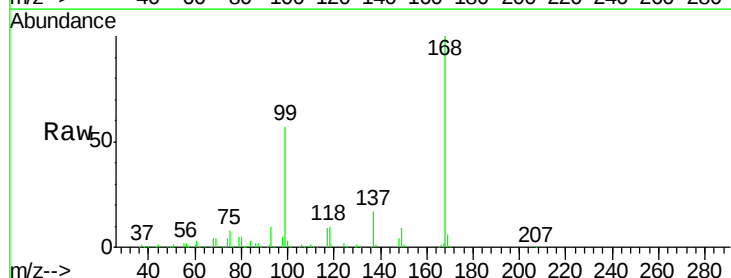
Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#06

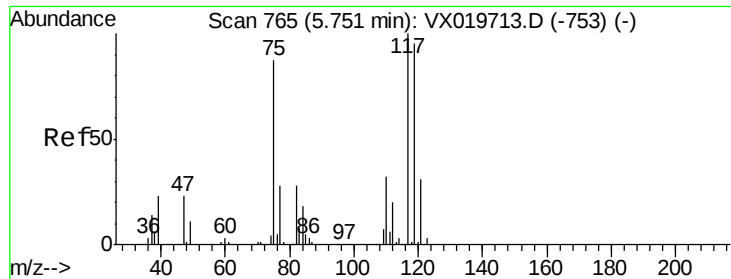
Tgt Ion:113 Resp: 153361
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.133 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX019942.D
Acq: 12 Dec 2020 19:07

Tgt Ion: 75 Resp: 22456
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.752 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019942.D

Acq: 12 Dec 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#06

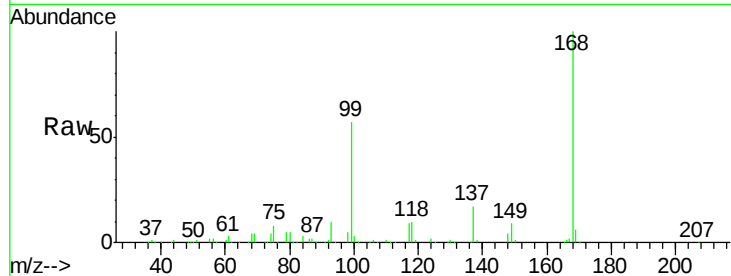
Tgt Ion:117 Resp: 28927

Ion Ratio Lower Upper

117 100

119 7.6 76.2 114.2#

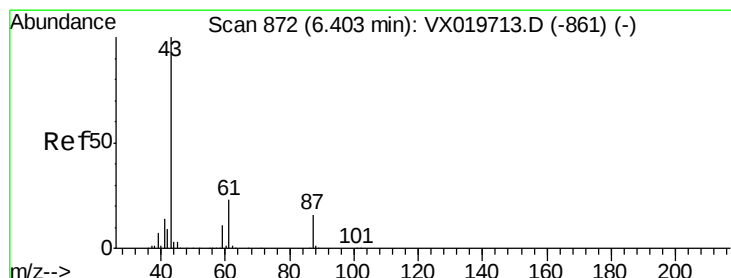
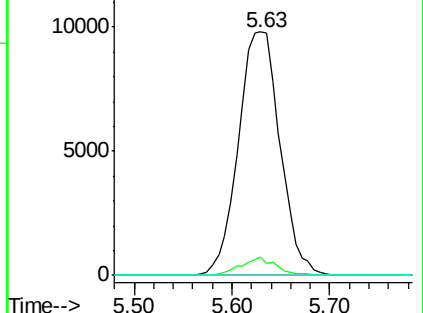
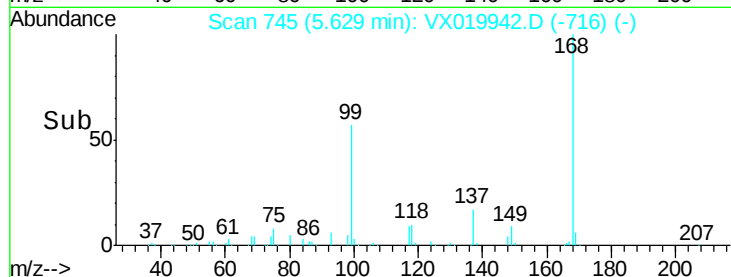
121 0.0 24.8 37.2#



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: 3.307 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019942.D

Acq: 12 Dec 2020 19:07

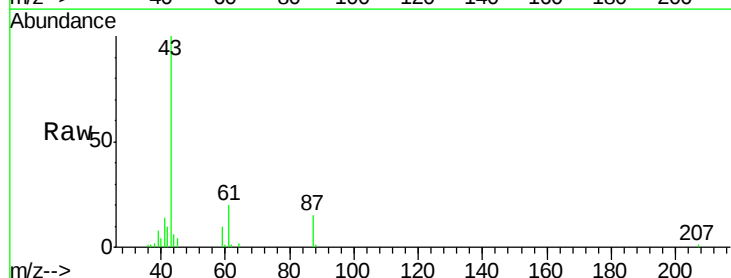
Tgt Ion: 43 Resp: 23752

Ion Ratio Lower Upper

43 100

61 21.5 18.2 27.4

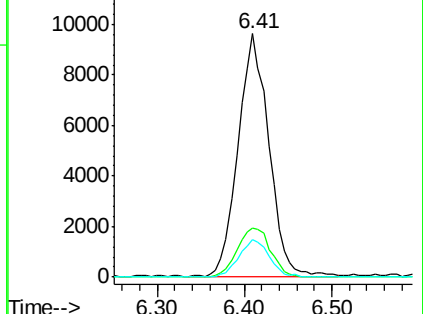
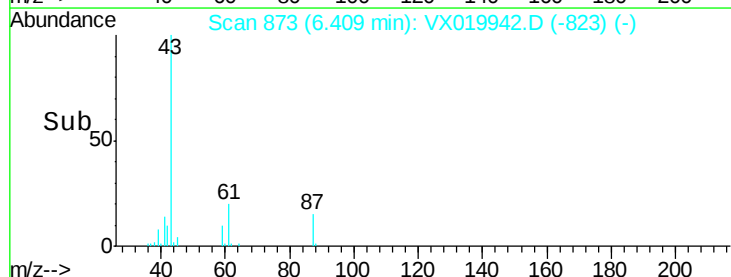
87 15.0 12.5 18.7

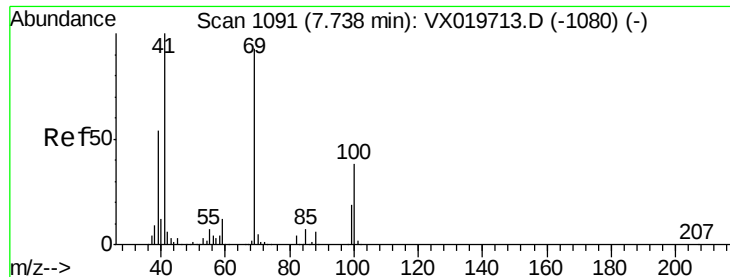


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

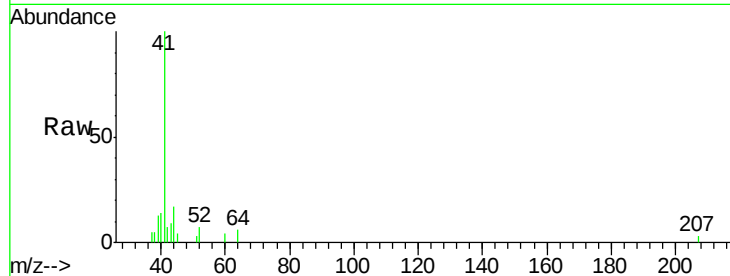




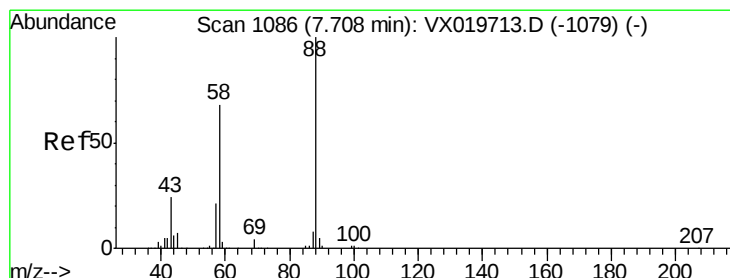
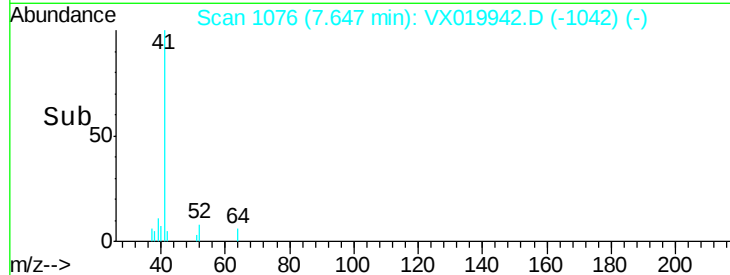
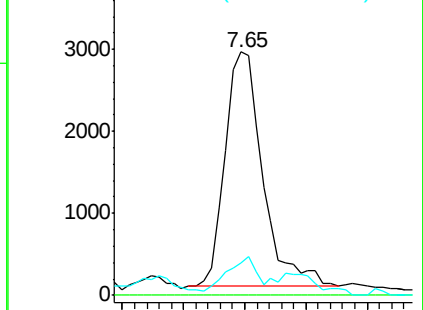
#48
Methyl methacrylate
Concen: 1.724 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX019942.D
Acq: 12 Dec 2020 19:07

Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#06

Tgt Ion: 41 Resp: 6089
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

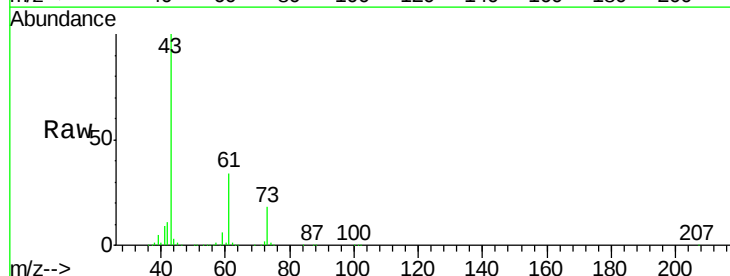


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

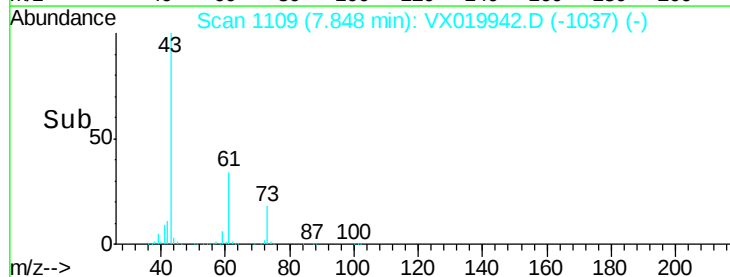
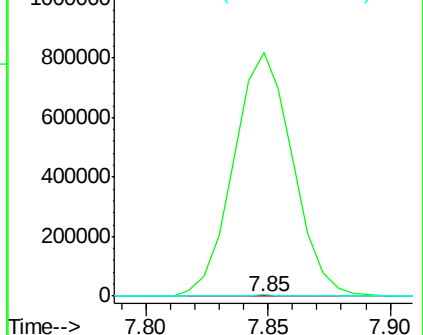


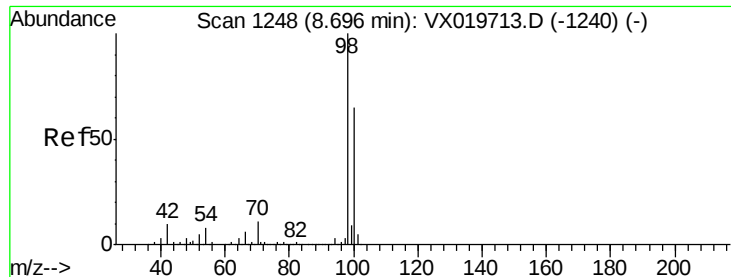
#49
1,4-Dioxane
Concen: 3.775 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.14 min
Lab File: VX019942.D
Acq: 12 Dec 2020 19:07

Tgt Ion: 88 Resp: 323
Ion Ratio Lower Upper
88 100
43 427541.8 23.2 34.8#
58 2178.0 55.0 82.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

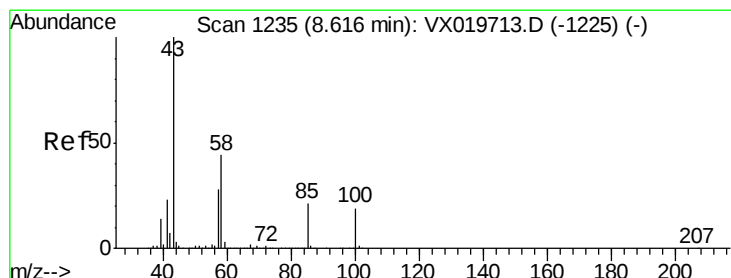
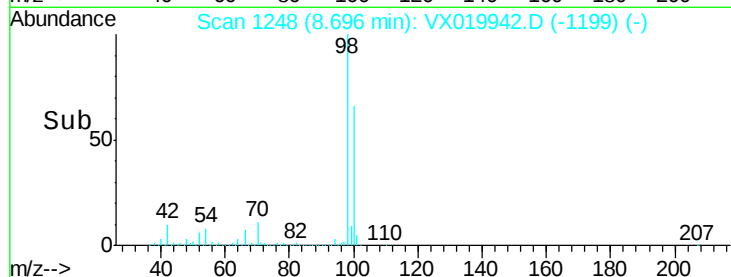
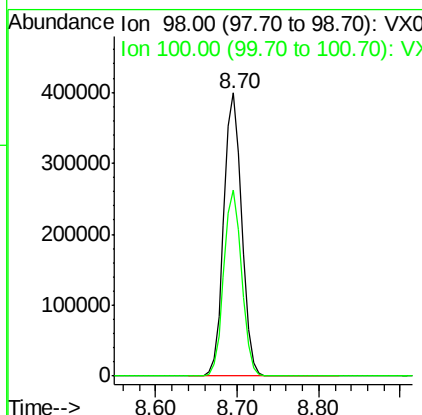
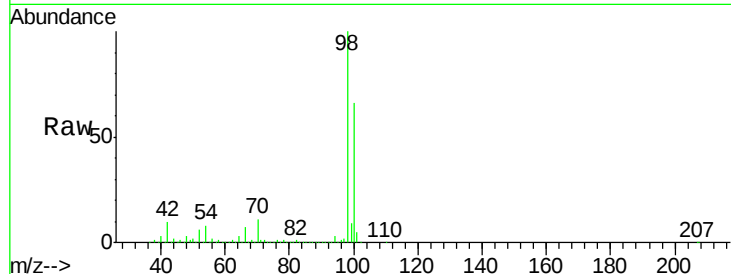




#50
Toluene-d8
Concen: 50.876 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019942.D
Acq: 12 Dec 2020 19:07

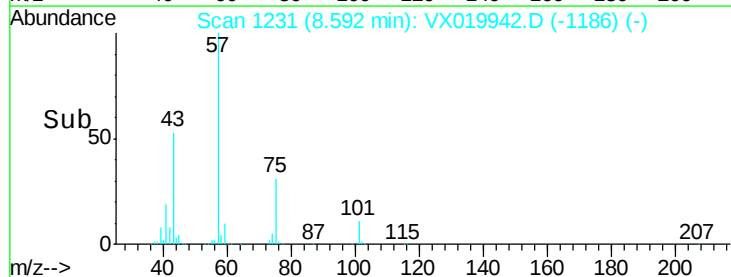
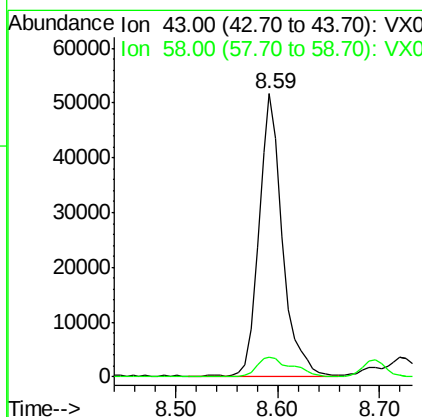
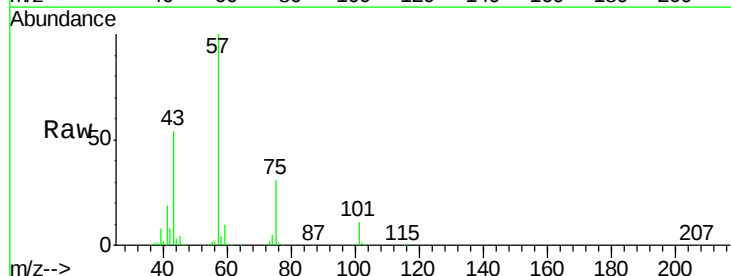
Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#06

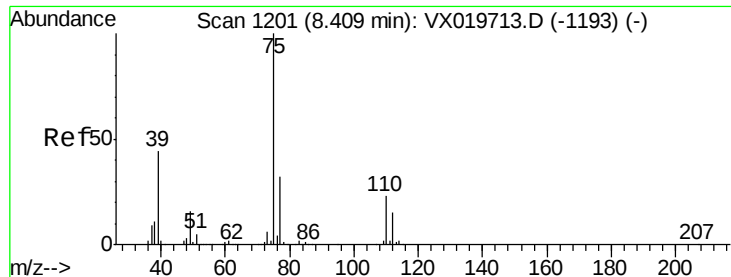
Tgt Ion: 98 Resp: 607769
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 18.868 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX019942.D
Acq: 12 Dec 2020 19:07

Tgt Ion: 43 Resp: 82729
Ion Ratio Lower Upper
43 100
58 10.4 35.4 53.0#

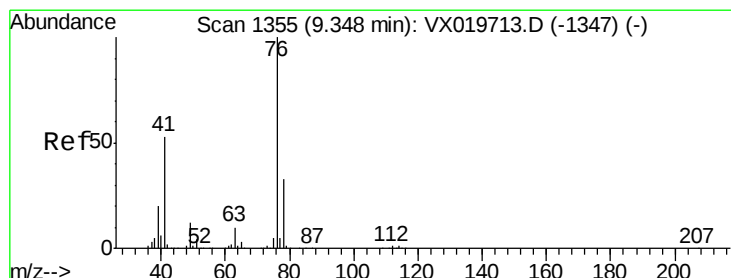
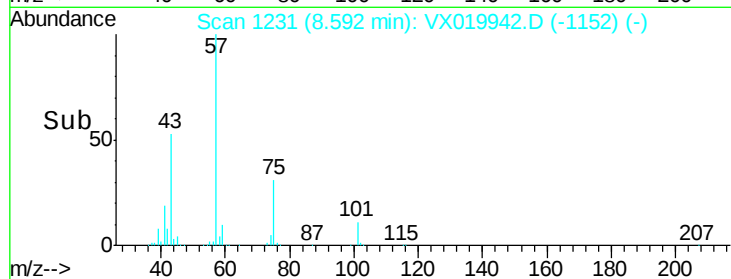
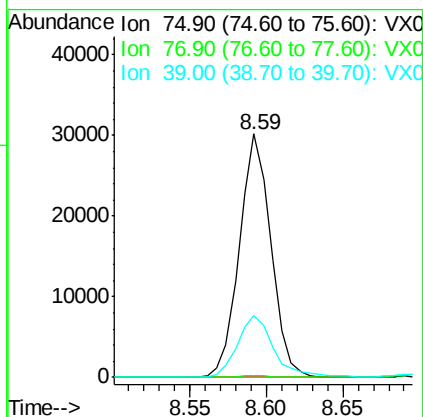
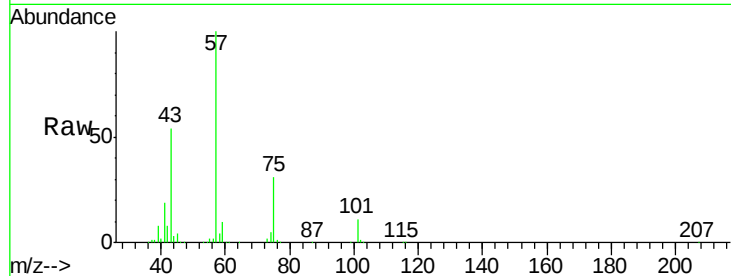




#54
 cis-1,3-Dichloropropene
 Concen: 7.987 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019942.D
 Acq: 12 Dec 2020 19:07

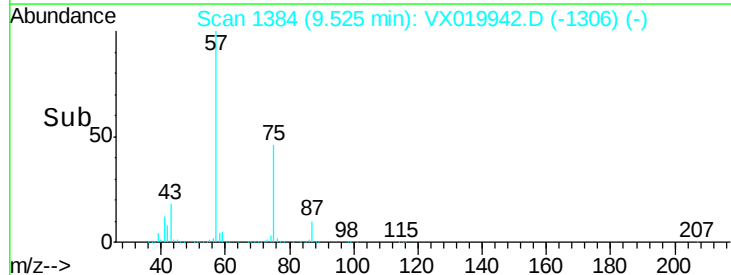
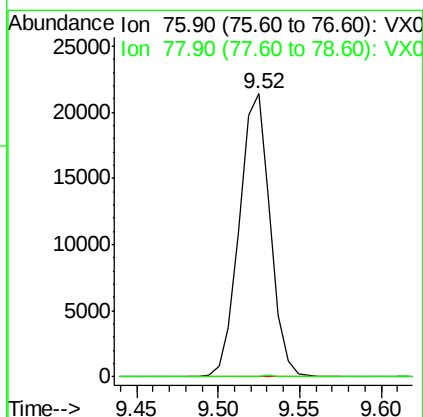
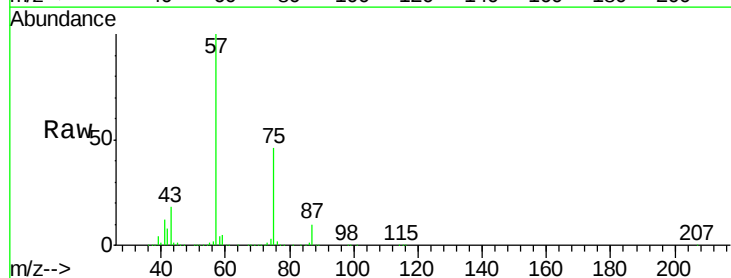
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133524ZHE#06

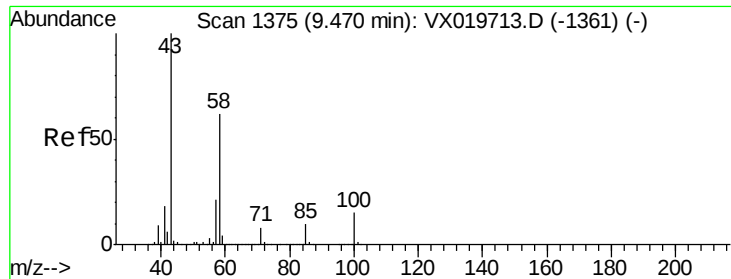
Tgt Ion: 75 Resp: 43096
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 25.5 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 4.888 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019942.D
 Acq: 12 Dec 2020 19:07

Tgt Ion: 76 Resp: 28117
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

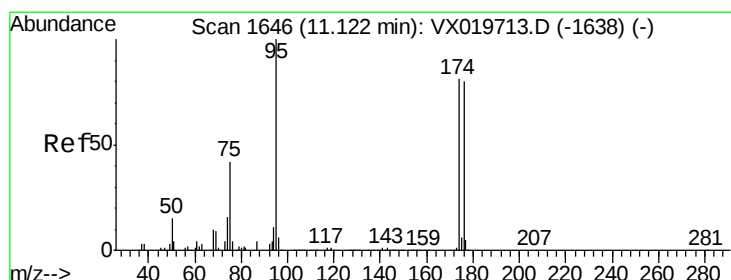
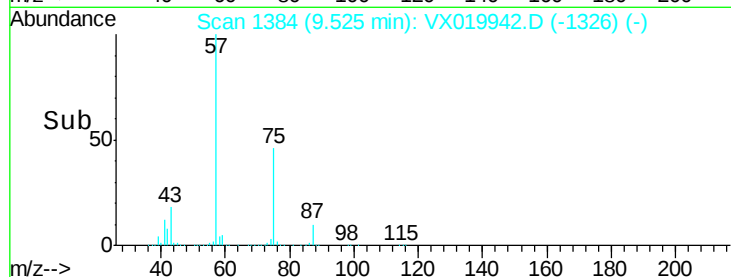
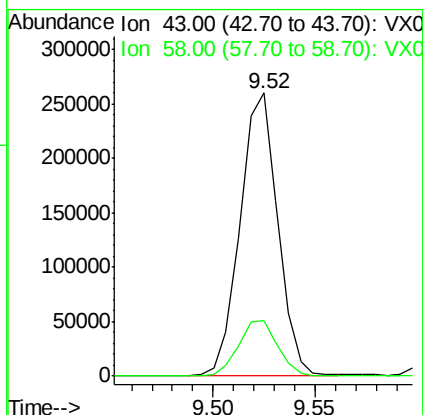
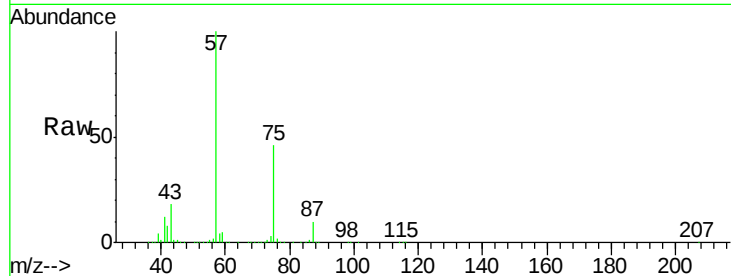




#59
2-Hexanone
Concen: 97.859 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019942.D
Acq: 12 Dec 2020 19:07

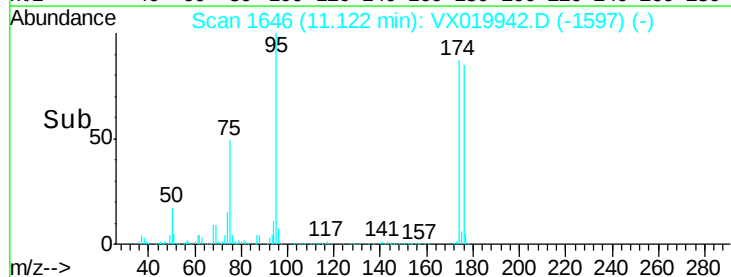
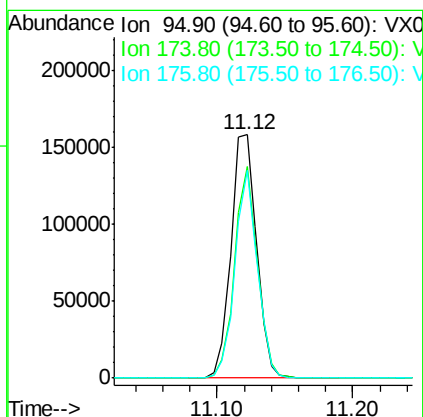
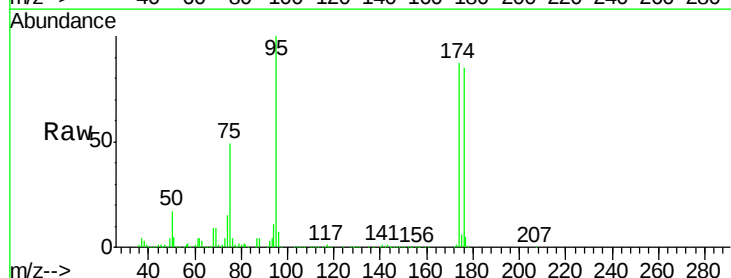
Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#06

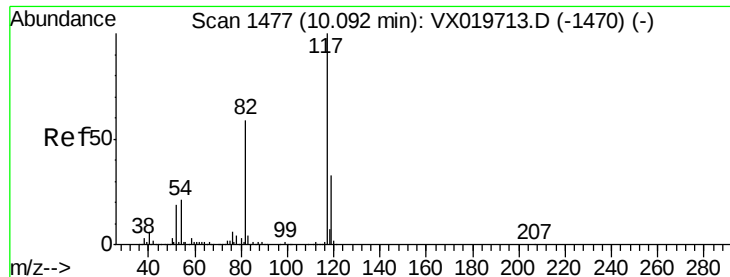
Tgt Ion: 43 Resp: 332594
Ion Ratio Lower Upper
43 100
58 20.6 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.634 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019942.D
Acq: 12 Dec 2020 19:07

Tgt Ion: 95 Resp: 207491
Ion Ratio Lower Upper
95 100
174 77.7 0.0 154.6
176 75.0 0.0 155.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019942.D

Acq: 12 Dec 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#06

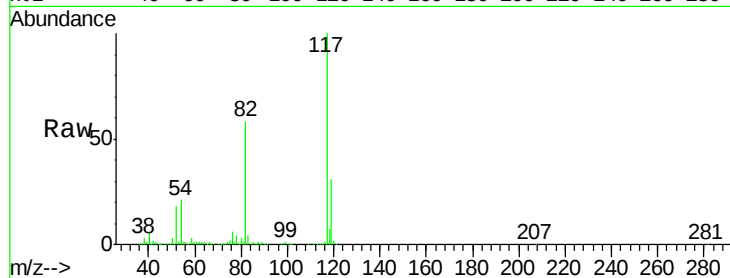
Tgt Ion:117 Resp: 461458

Ion Ratio Lower Upper

117 100

82 57.6 47.4 71.2

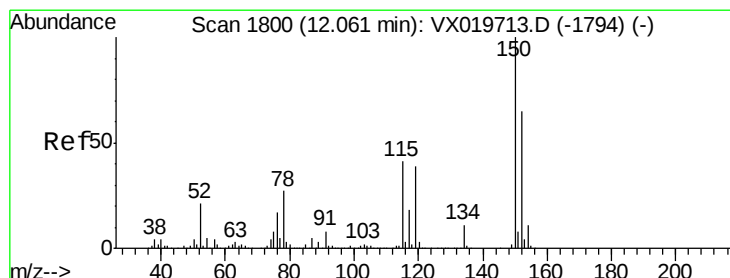
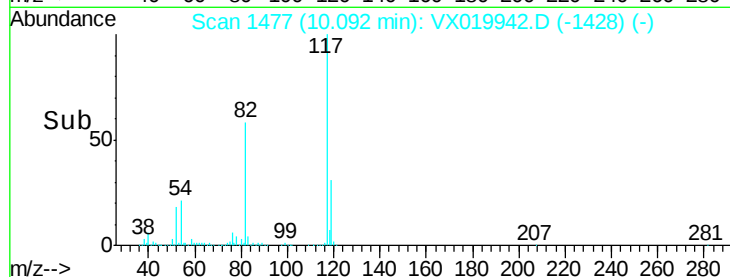
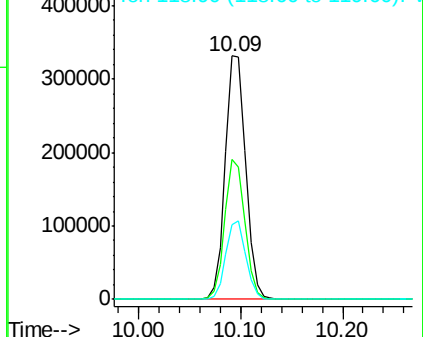
119 30.6 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019942.D

Acq: 12 Dec 2020 19:07

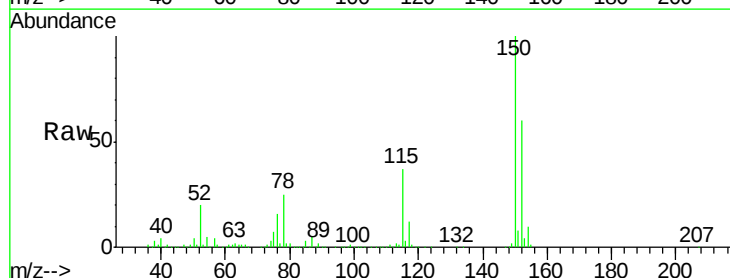
Tgt Ion:152 Resp: 186948

Ion Ratio Lower Upper

152 100

115 60.7 41.1 123.3

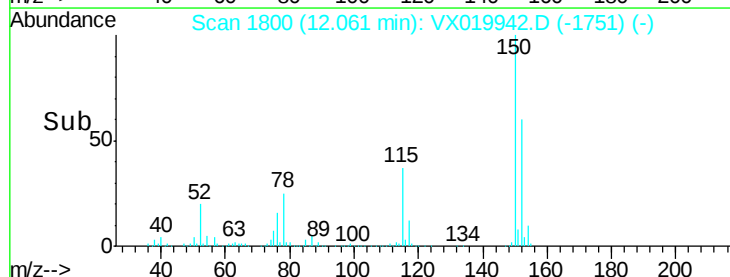
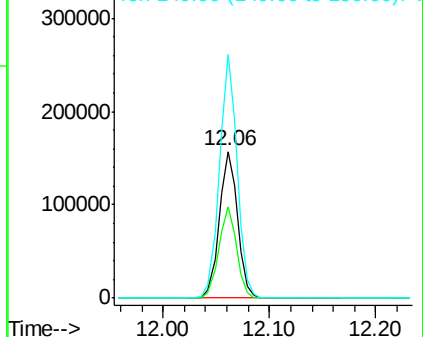
150 160.8 0.0 349.0

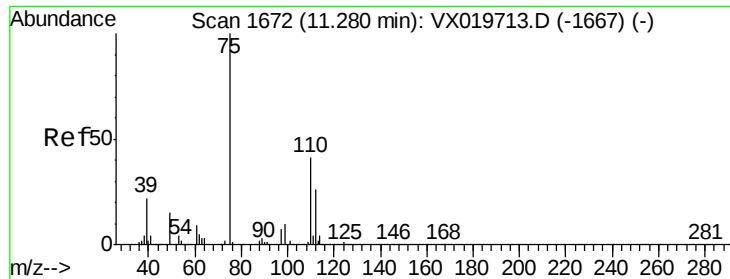


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

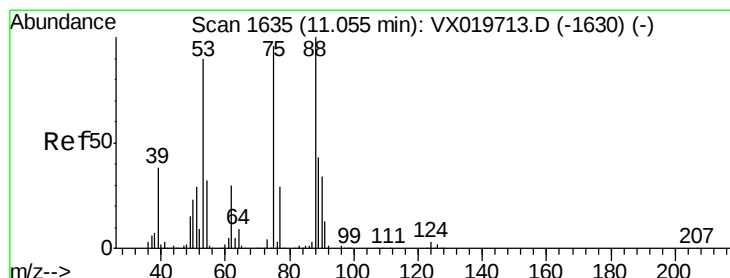
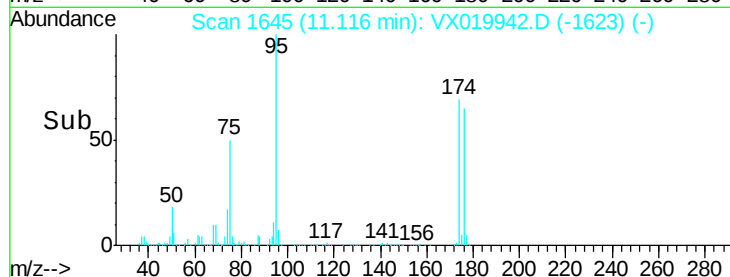
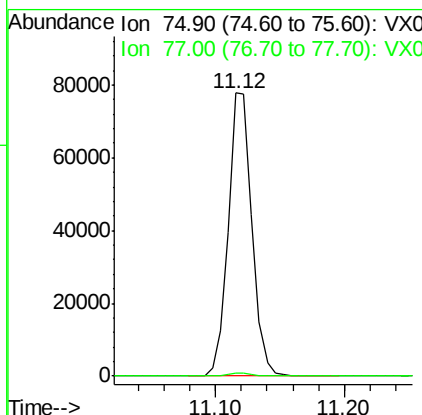
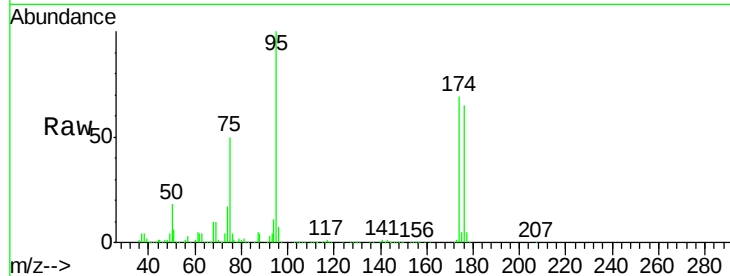




#76
 1,2,3-Trichloropropane
 Concen: 23.938 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. -0.16 min
 Lab File: VX019942.D
 Acq: 12 Dec 2020 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133524ZHE#06

Tgt Ion: 75 Resp: 100369
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.200 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. 0.06 min
 Lab File: VX019942.D
 Acq: 12 Dec 2020 19:07

Tgt Ion: 75 Resp: 100369
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

