

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019941.D
 Acq On : 12 Dec 2020 18:44
 Operator : JC/MD
 Sample : PB133524ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133524ZHE#05

Quant Time: Dec 14 08:19:21 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	296073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	493842	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	447893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	187269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	193018	49.60	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.20%		
35) Dibromofluoromethane	5.46	113	153609	48.13	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.26%		
50) Toluene-d8	8.70	98	605178	49.67	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.34%		
62) 4-Bromofluorobenzene	11.12	95	205799	44.38	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.76%		

Target Compounds

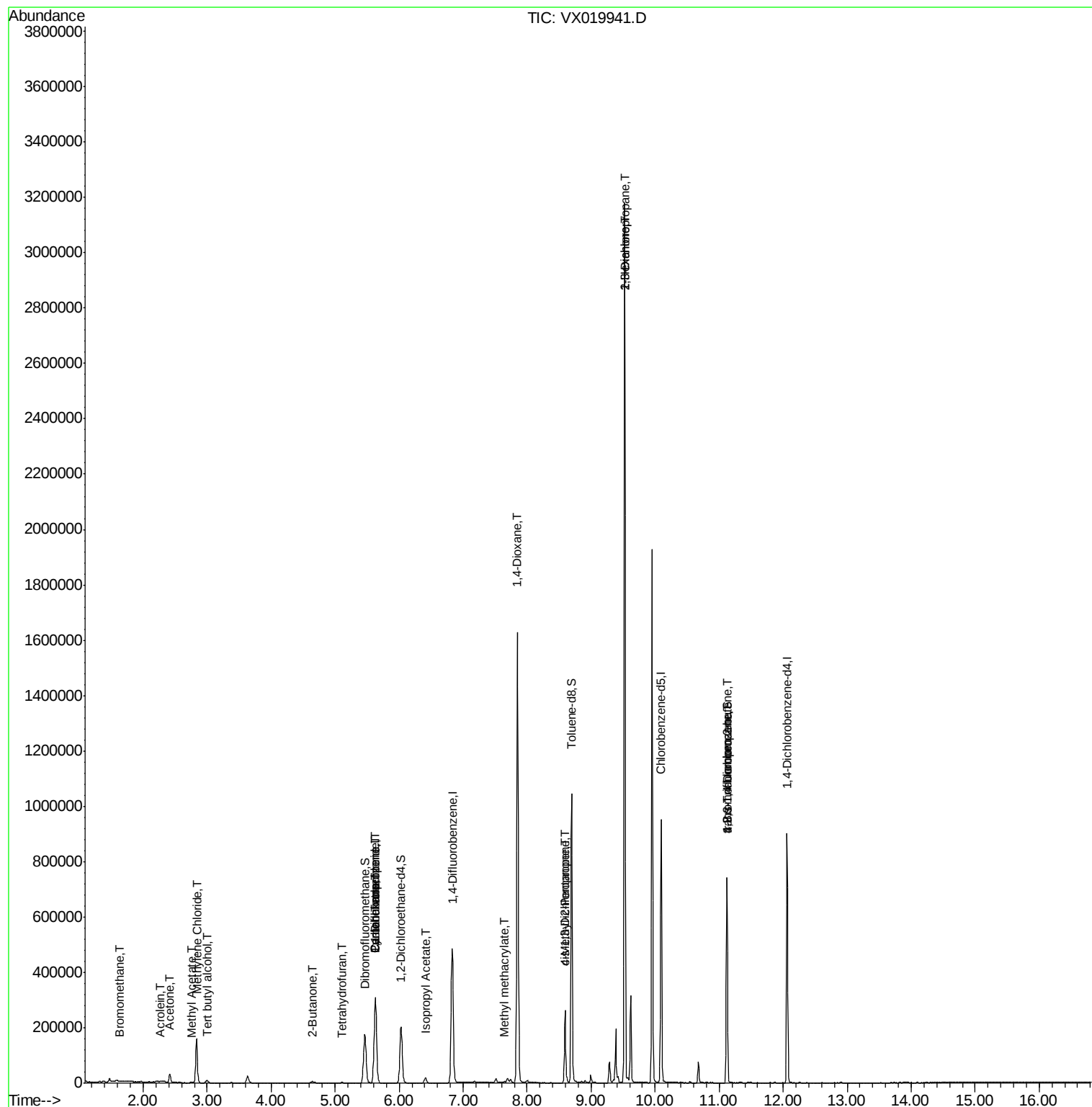
					Qvalue	
5) Bromomethane	1.63	94	432	0.387	ug/l #	65
11) Tert butyl alcohol	2.99	59	5611	4.447	ug/l #	75
13) Acrolein	2.28	56	245	0.570	ug/l #	14
16) Acetone	2.42	43	33450	22.870	ug/l	99
18) Methyl Acetate	2.75	43	2758	0.771	ug/l	93
20) Methylene Chloride	2.84	84	77497	22.424	ug/l	99
25) 2-Butanone	4.64	43	4539	2.020	ug/l	91
29) Tetrahydrofuran	5.11	42	1187	0.820	ug/l #	77
31) Cyclohexane	5.63	56	5549	1.146	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22242	4.984	ug/l #	48
38) Carbon Tetrachloride	5.63	117	29673	6.790	ug/l #	16
43) Isopropyl Acetate	6.41	43	23564	3.217	ug/l	98
48) Methyl methacrylate	7.65	41	6529	1.812	ug/l #	10
49) 1,4-Dioxane	7.85	88	246	2.819	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	83537	18.679	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	43027	7.817	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	27885	4.753	ug/l #	43
59) 2-Hexanone	9.52	43	333848	96.303	ug/l #	47
76) 1,2,3-Trichloropropane	11.12	75	99838	23.770	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	99838	68.716	ug/l #	12

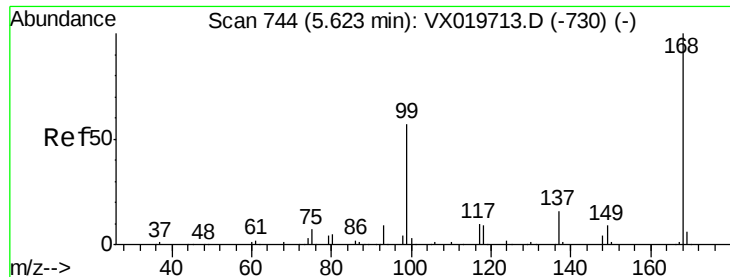
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
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Quant Time: Dec 14 08:19:21 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: VX019941.D

Acq: 12 Dec 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

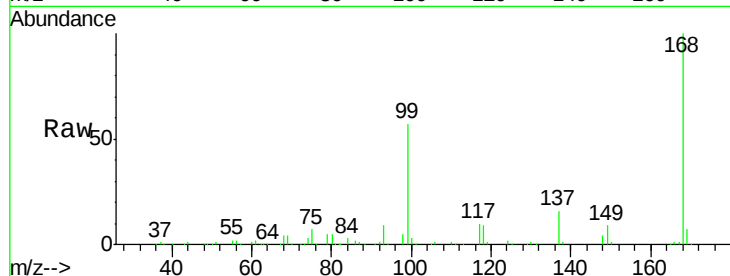
PB133524ZHE#05

Tgt Ion:168 Resp: 296073

Ion Ratio Lower Upper

168 100

99 56.7 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

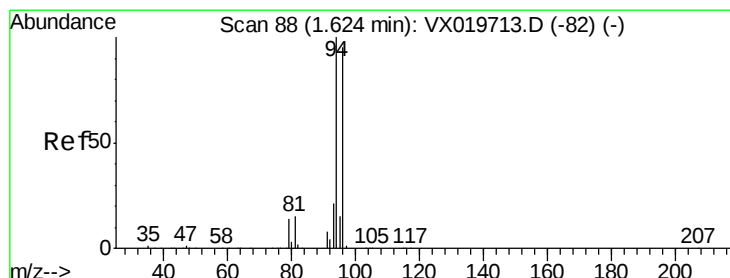
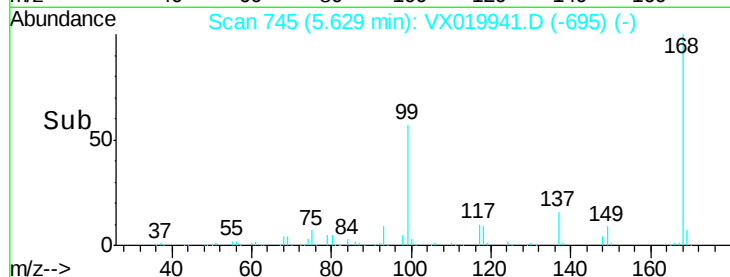
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.387 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019941.D

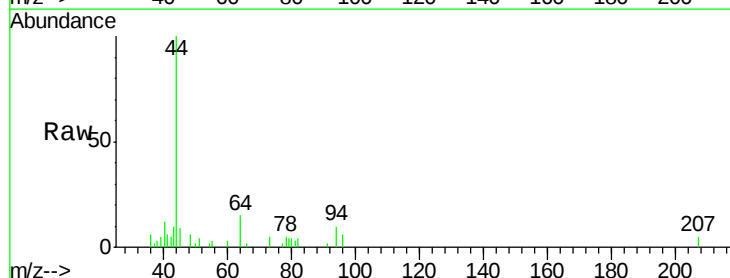
Acq: 12 Dec 2020 18:44

Tgt Ion: 94 Resp: 432

Ion Ratio Lower Upper

94 100

96 61.4 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

300

250

200

150

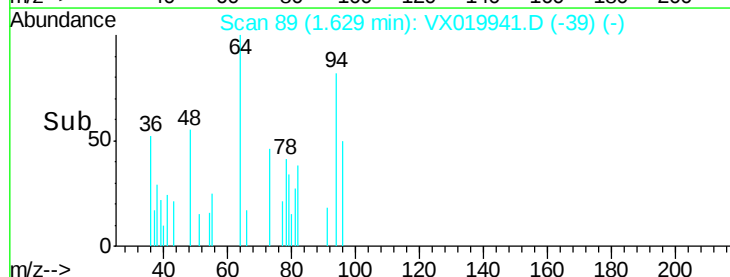
100

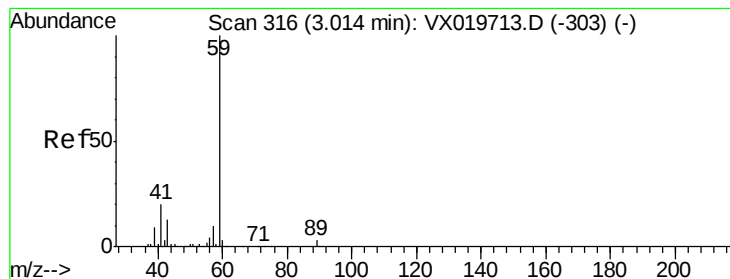
50

0

Time-->

1.60 1.65 1.70





#11

Tert butyl alcohol

Concen: 4.447 ug/l

RT: 2.99 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019941.D

Acq: 12 Dec 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

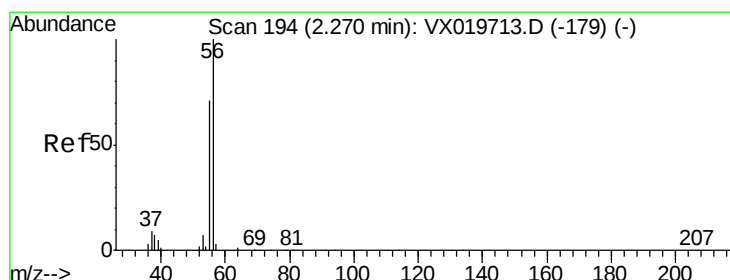
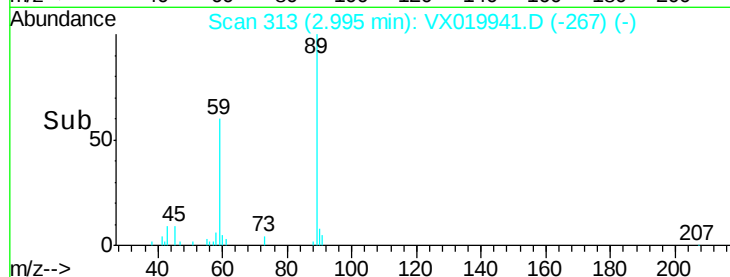
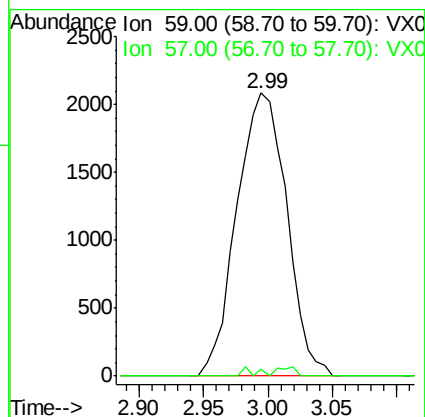
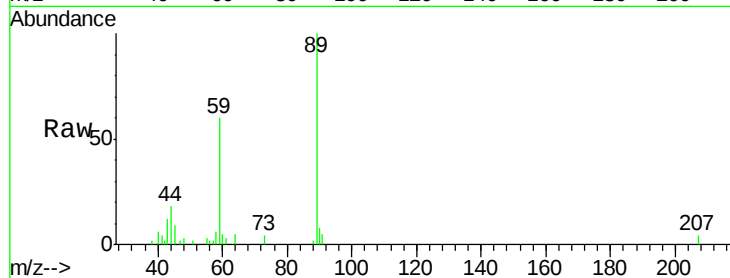
PB133524ZHE#05

Tgt Ion: 59 Resp: 5611

Ion Ratio Lower Upper

59 100

57 0.4 7.8 11.8#



#13

Acrolein

Concen: 0.570 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019941.D

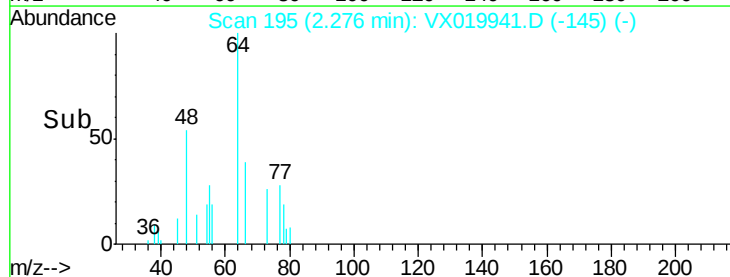
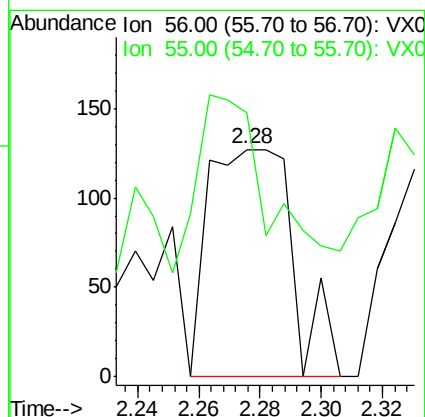
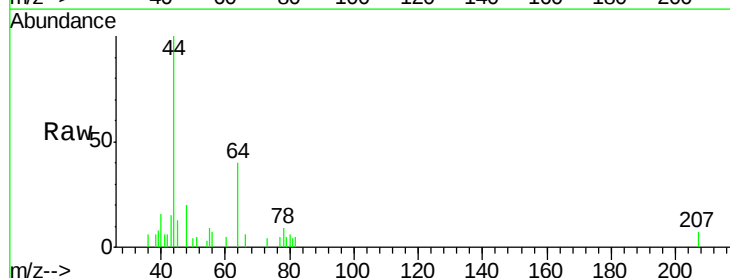
Acq: 12 Dec 2020 18:44

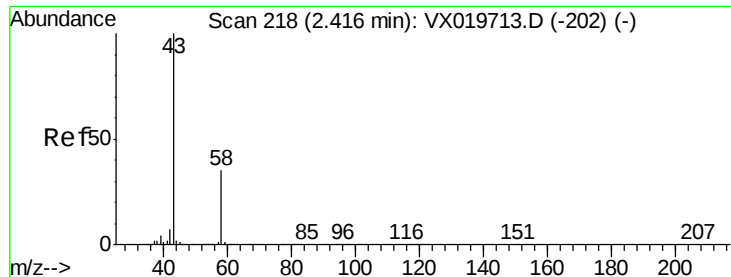
Tgt Ion: 56 Resp: 245

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#





#16

Acetone

Concen: 22.870 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019941.D

Acq: 12 Dec 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

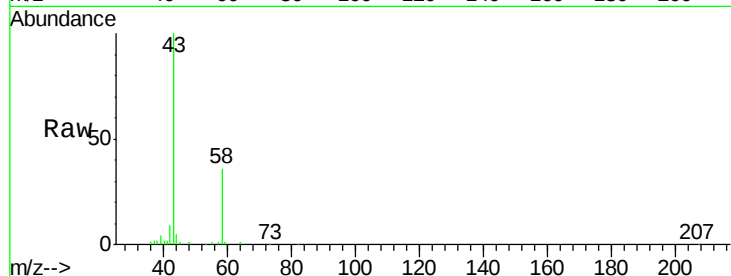
PB133524ZHE#05

Tgt Ion: 43 Resp: 33450

Ion Ratio Lower Upper

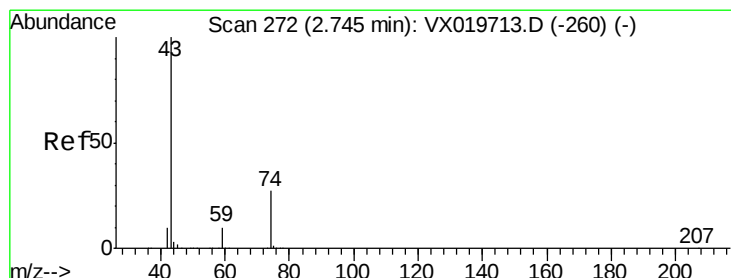
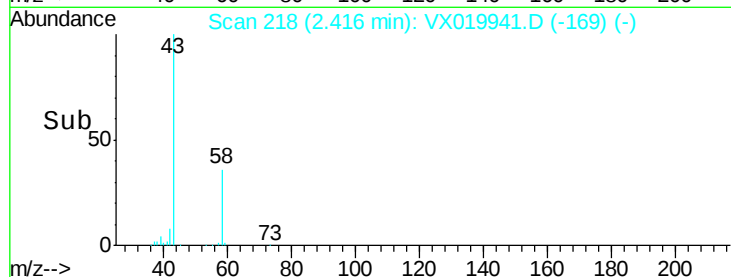
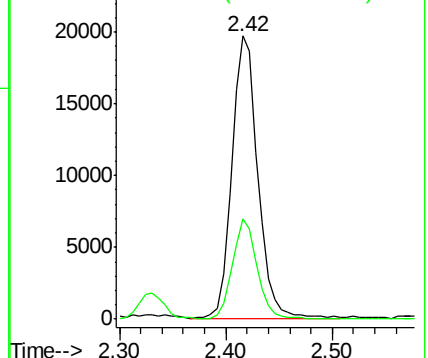
43 100

58 35.6 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: 0.771 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX019941.D

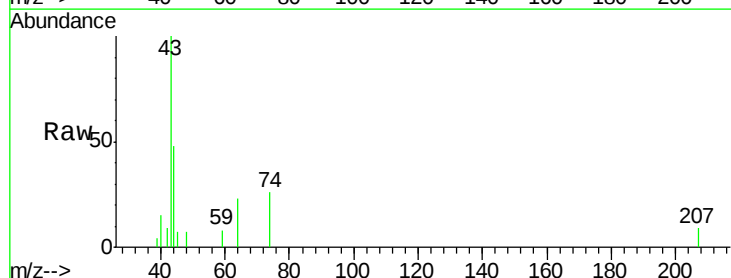
Acq: 12 Dec 2020 18:44

Tgt Ion: 43 Resp: 2758

Ion Ratio Lower Upper

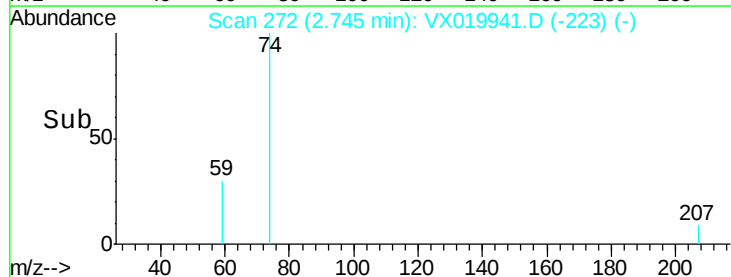
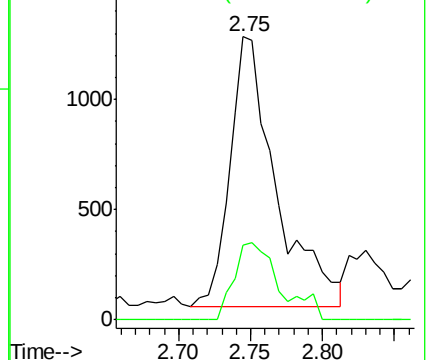
43 100

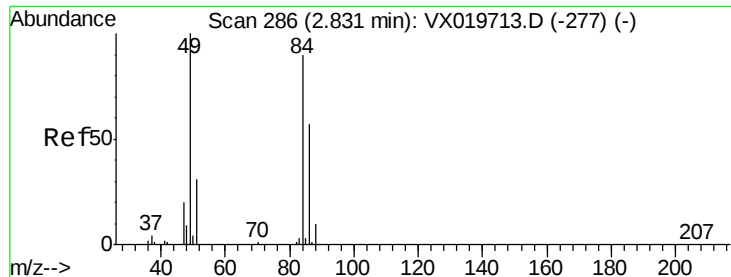
74 23.8 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

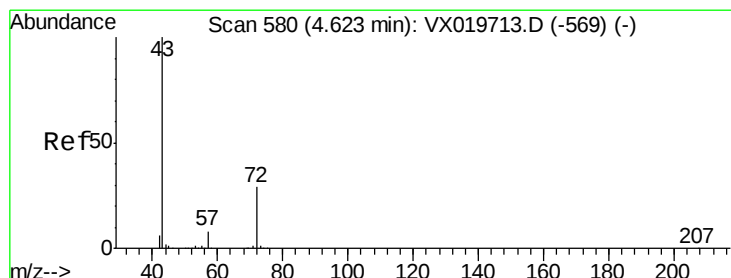
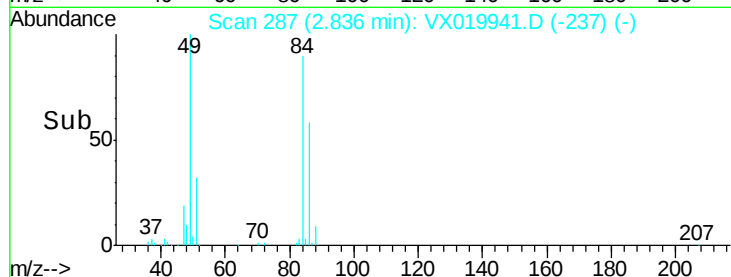
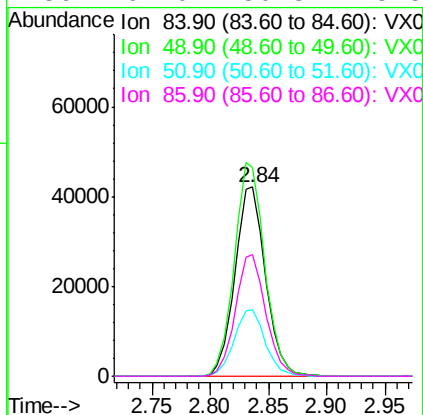
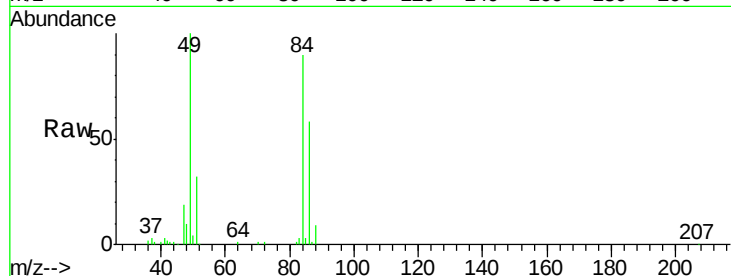




#20
Methylene Chloride
Concen: 22.424 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019941.D
Acq: 12 Dec 2020 18:44

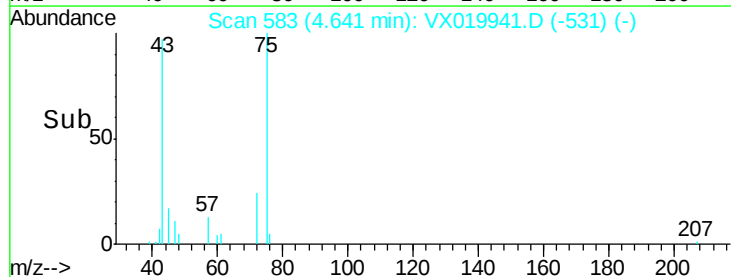
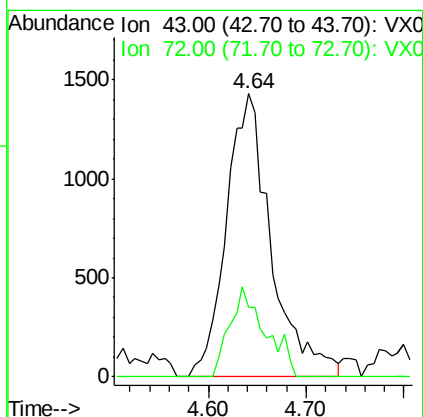
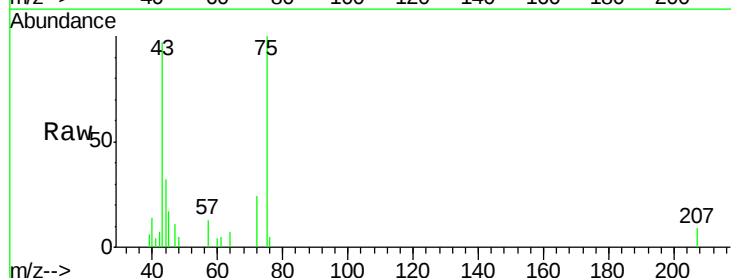
Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#05

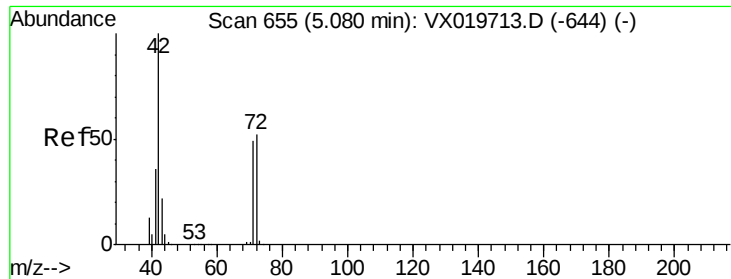
Tgt Ion:	84	Resp:	77497
Ion	Ratio	Lower	Upper
84	100		
49	110.5	88.6	132.8
51	35.0	27.0	40.6
86	64.0	50.3	75.5



#25
2-Butanone
Concen: 2.020 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX019941.D
Acq: 12 Dec 2020 18:44

Tgt Ion:	43	Resp:	4539
Ion	Ratio	Lower	Upper
43	100		
72	24.8	23.7	35.5

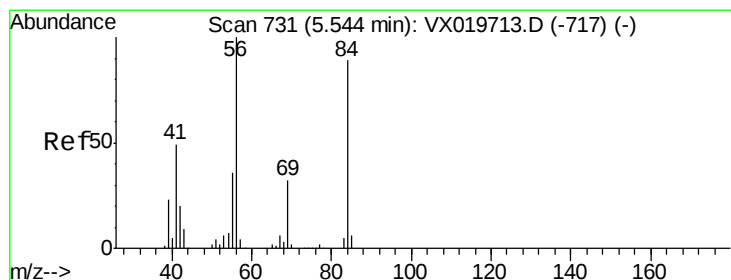
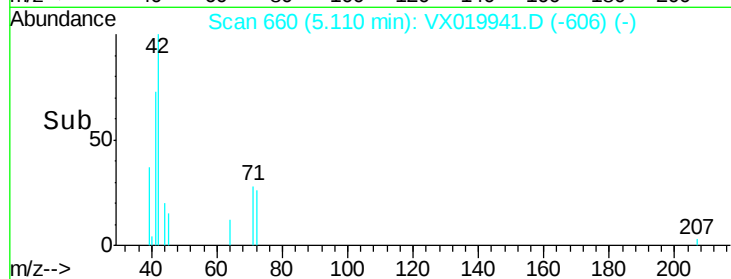
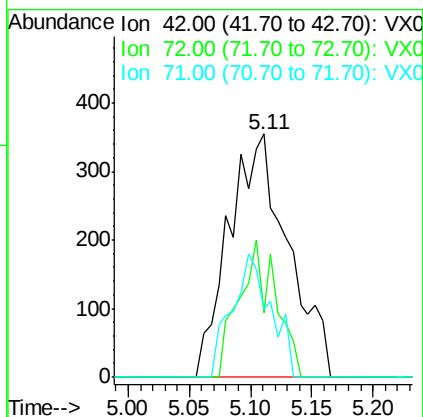
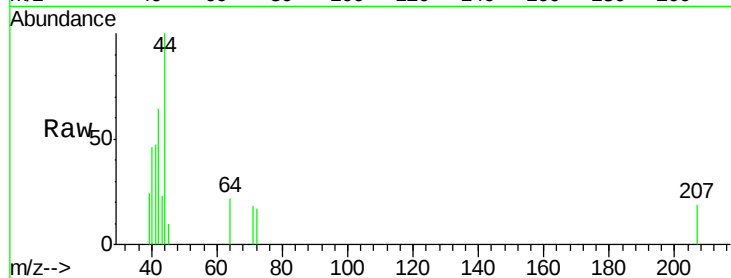




#29
Tetrahydrofuran
Concen: 0.820 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.03 min
Lab File: VX019941.D
Acq: 12 Dec 2020 18:44

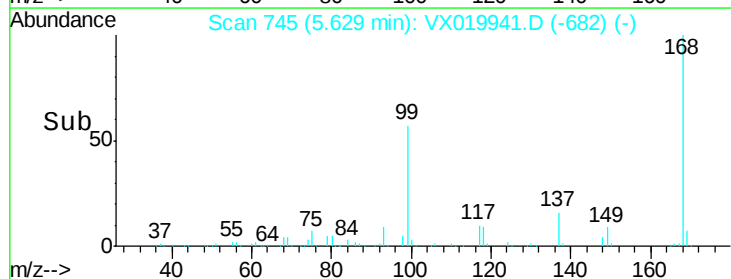
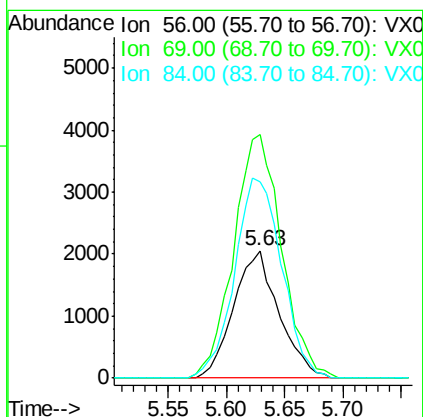
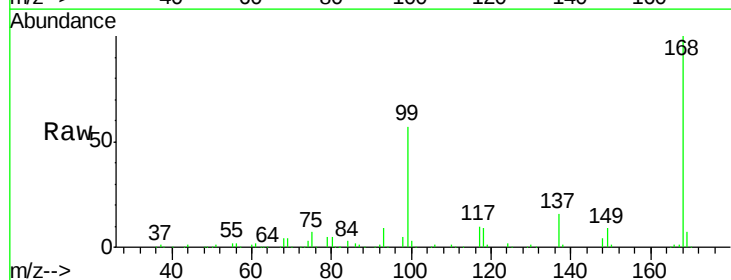
Instrument :
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ClientSampleId :
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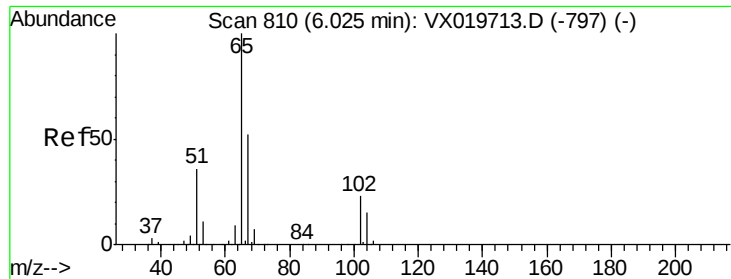
Tgt Ion: 42 Resp: 1187
Ion Ratio Lower Upper
42 100
72 35.0 41.7 62.5#
71 33.4 38.4 57.6#



#31
Cyclohexane
Concen: 1.146 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019941.D
Acq: 12 Dec 2020 18:44

Tgt Ion: 56 Resp: 5549
Ion Ratio Lower Upper
56 100
69 190.7 25.3 37.9#
84 153.7 71.4 107.0#

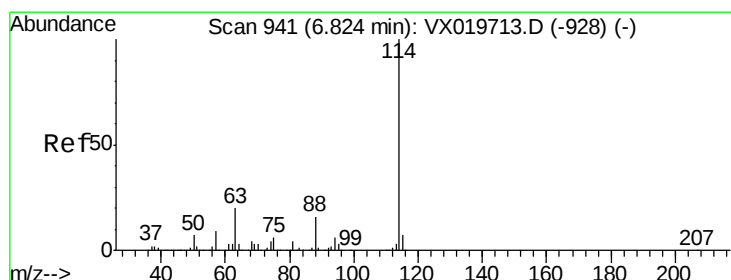
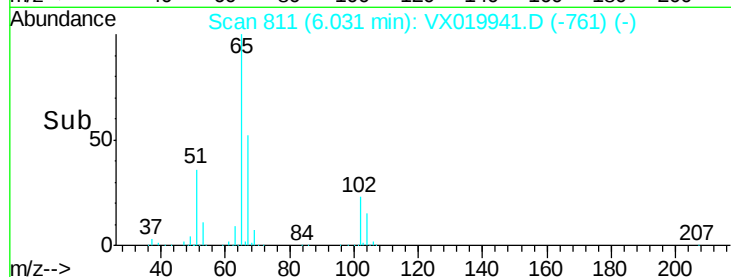
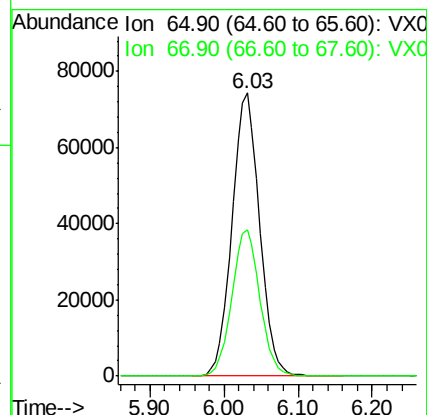
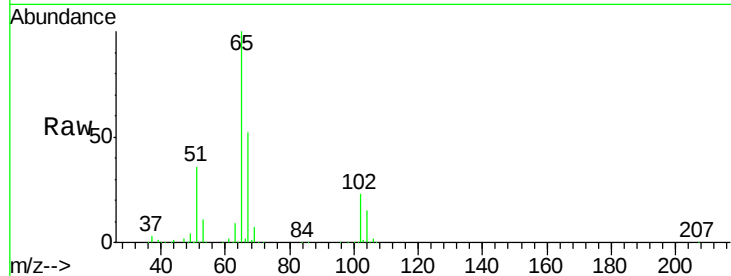




#33
 1,2-Dichloroethane-d4
 Concen: 49.603 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019941.D
 Acq: 12 Dec 2020 18:44

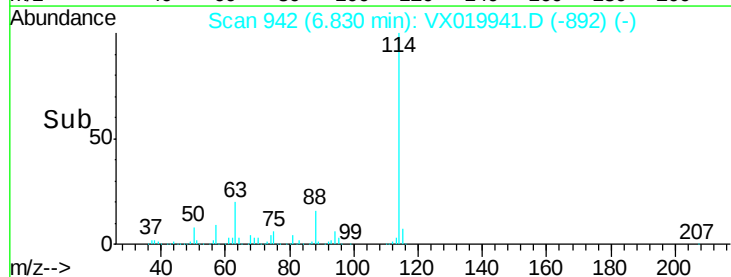
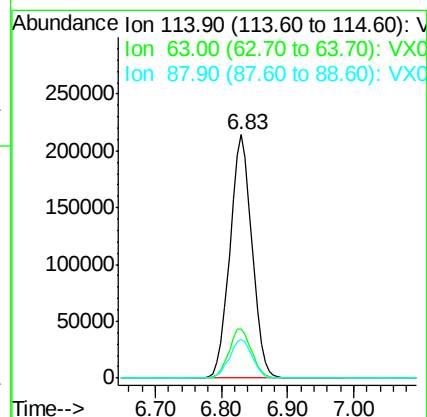
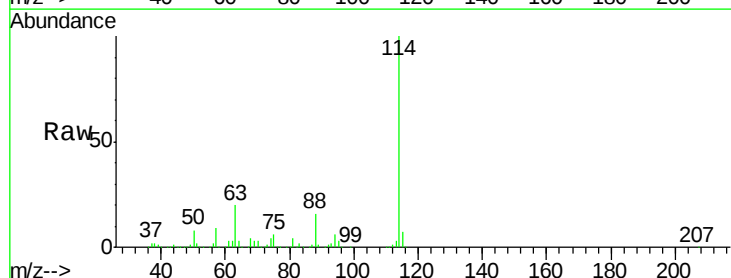
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133524ZHE#05

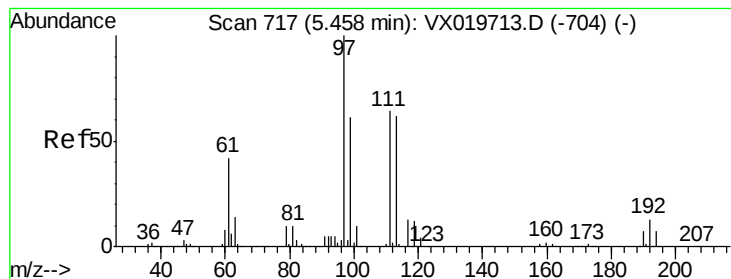
Tgt Ion: 65 Resp: 193018
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019941.D
 Acq: 12 Dec 2020 18:44

Tgt Ion: 114 Resp: 493842
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.8
 88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.129 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019941.D

Acq: 12 Dec 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#05

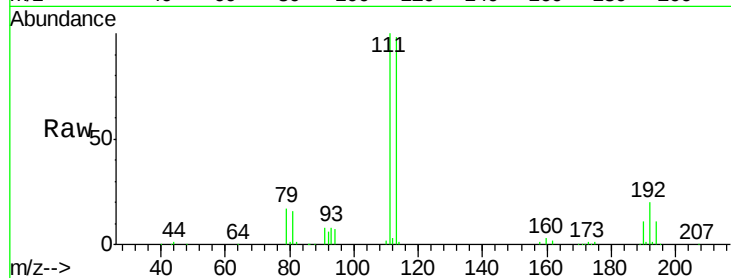
Tgt Ion:113 Resp: 153609

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

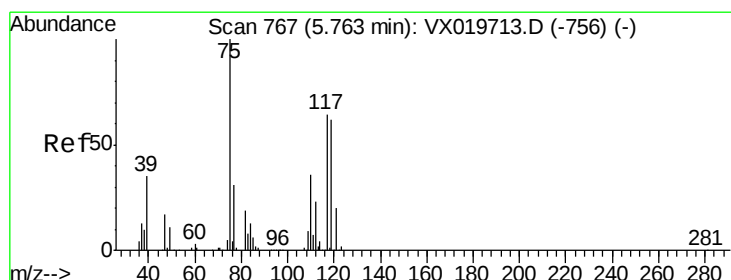
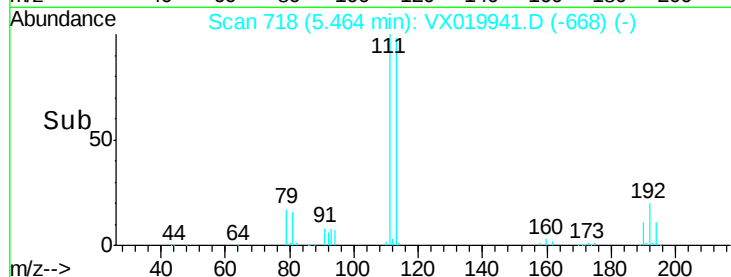
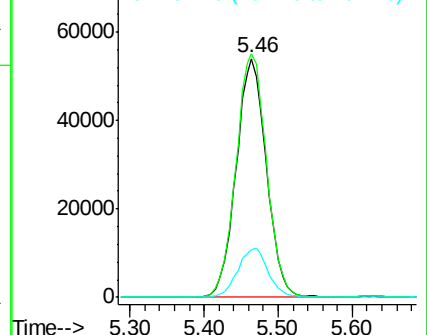
192 20.6 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.984 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019941.D

Acq: 12 Dec 2020 18:44

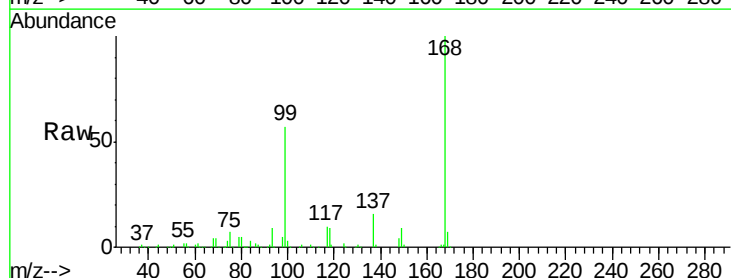
Tgt Ion: 75 Resp: 22242

Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.4#

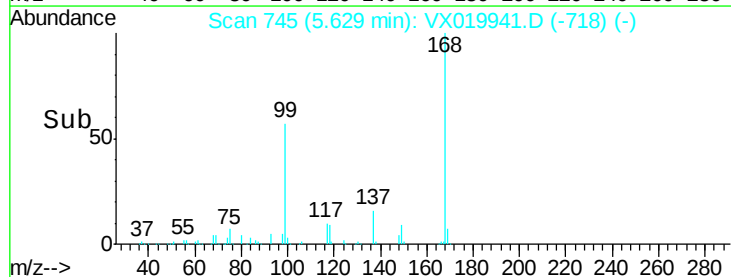
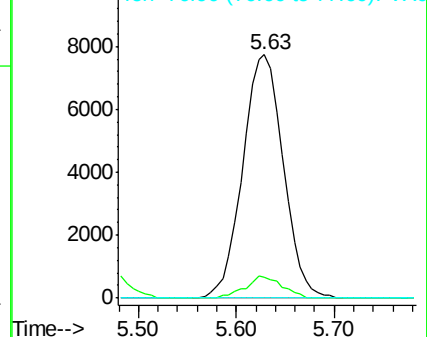
77 0.0 25.3 37.9#

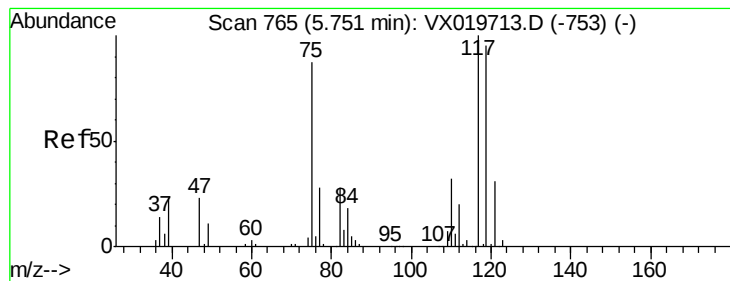


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.790 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019941.D

Acq: 12 Dec 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#05

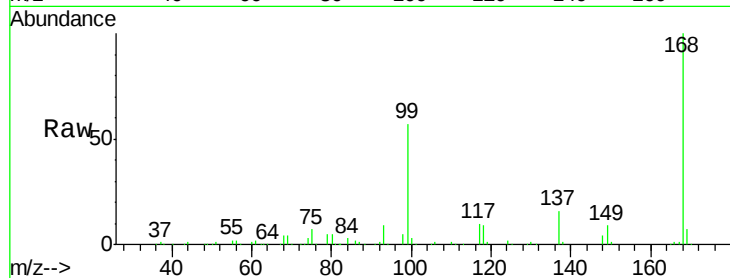
Tgt Ion: 117 Resp: 29673

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

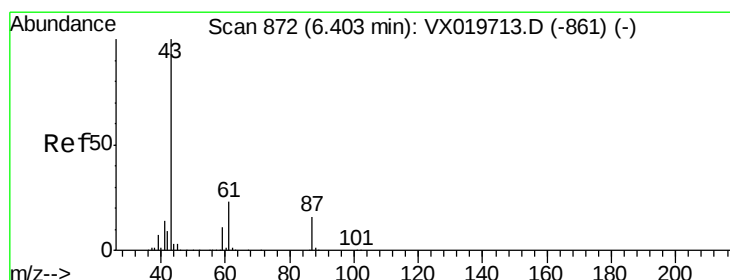
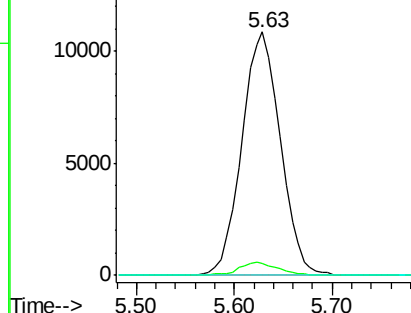
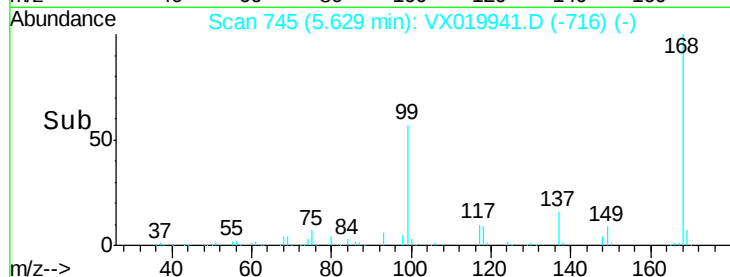
121 0.0 24.8 37.2#



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: 3.217 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019941.D

Acq: 12 Dec 2020 18:44

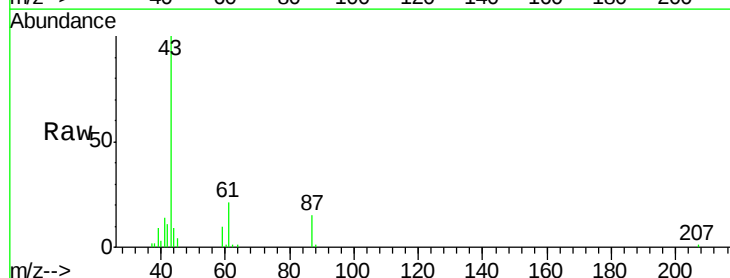
Tgt Ion: 43 Resp: 23564

Ion Ratio Lower Upper

43 100

61 22.3 18.2 27.4

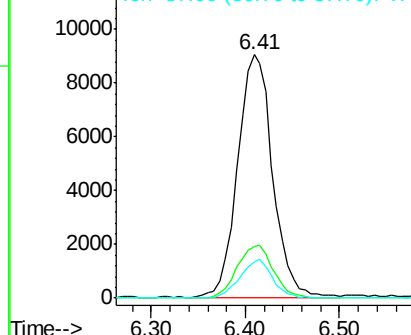
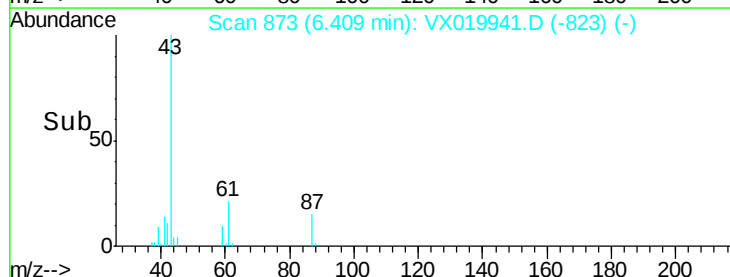
87 14.5 12.5 18.7

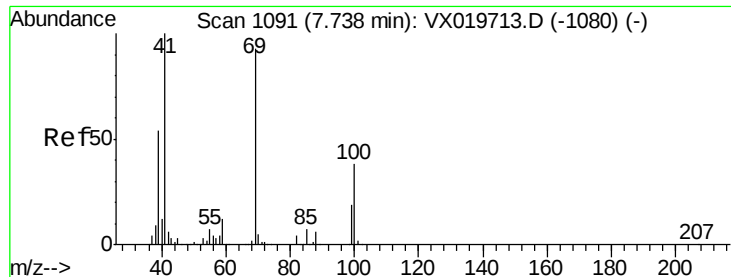


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

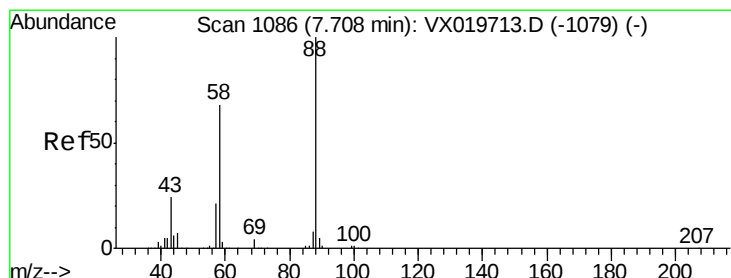
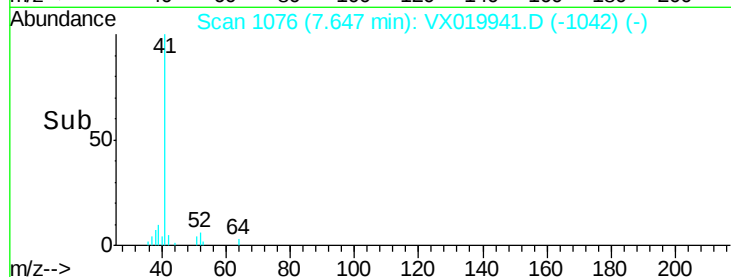
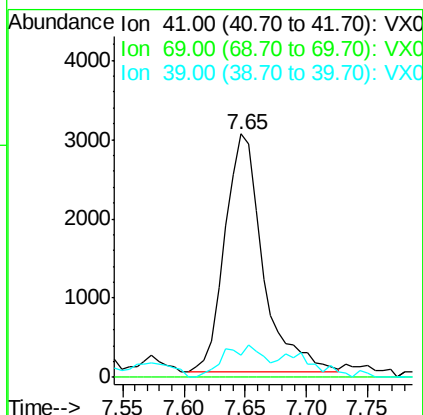
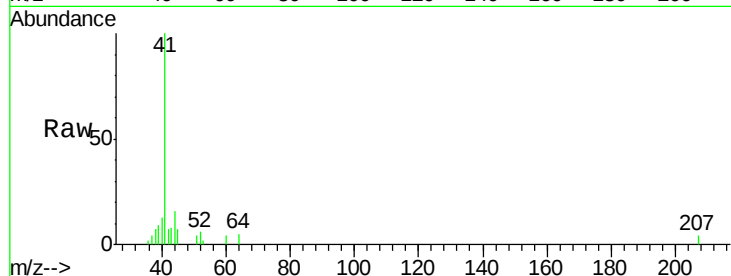




#48
Methyl methacrylate
Concen: 1.812 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX019941.D
Acq: 12 Dec 2020 18:44

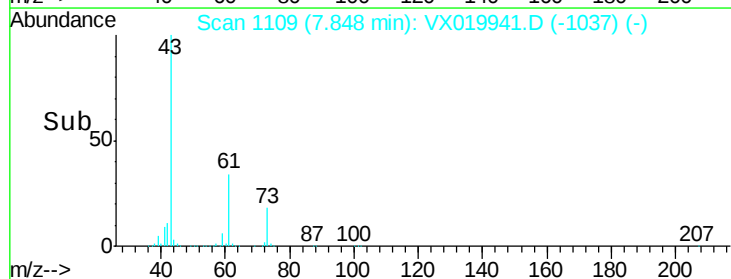
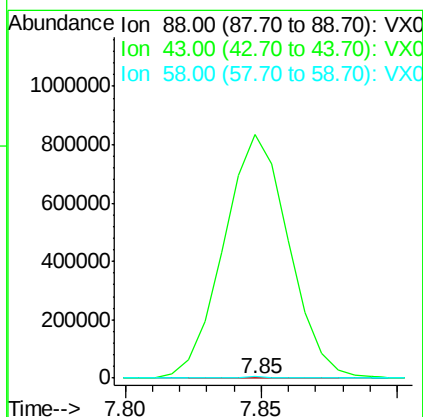
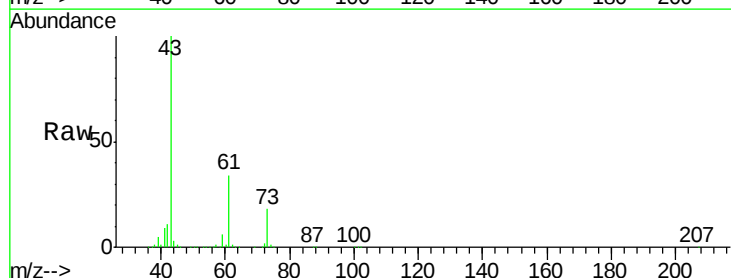
Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#05

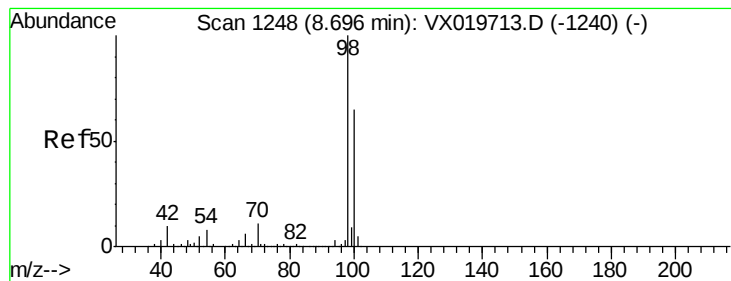
Tgt Ion: 41 Resp: 6529
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.819 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.14 min
Lab File: VX019941.D
Acq: 12 Dec 2020 18:44

Tgt Ion: 88 Resp: 246
Ion Ratio Lower Upper
88 100
43 566469.5 23.2 34.8#
58 2907.3 55.0 82.4#





#50

Toluene-d8

Concen: 49.667 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019941.D

Acq: 12 Dec 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

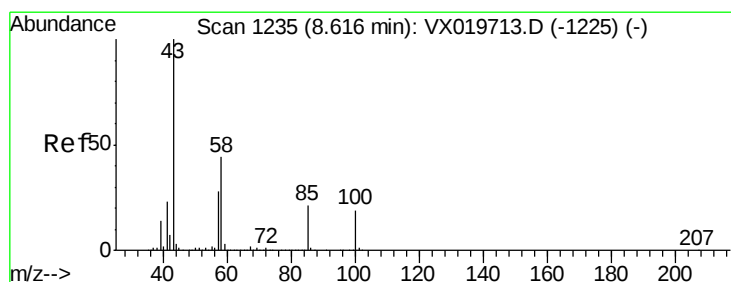
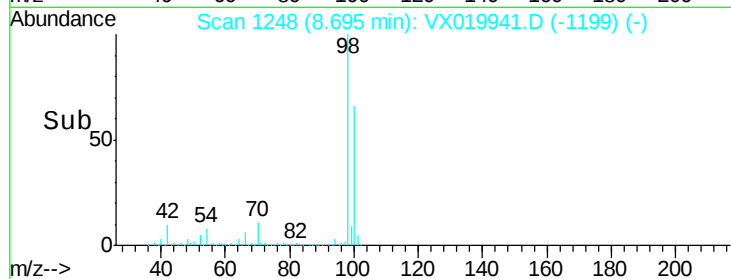
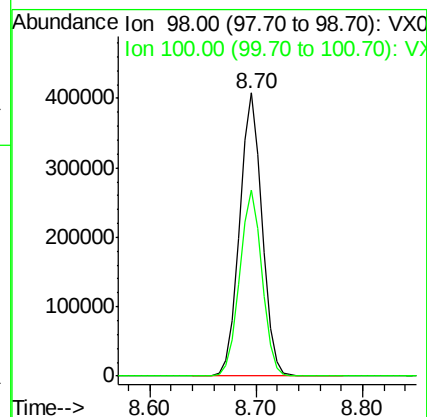
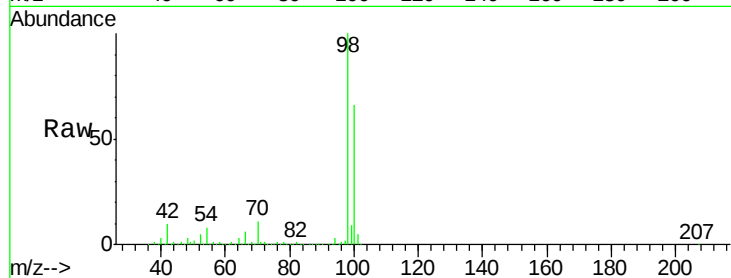
PB133524ZHE#05

Tgt Ion: 98 Resp: 605178

Ion Ratio Lower Upper

98 100

100 65.6 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 18.679 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX019941.D

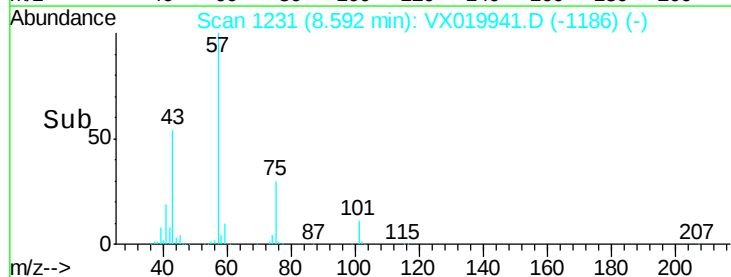
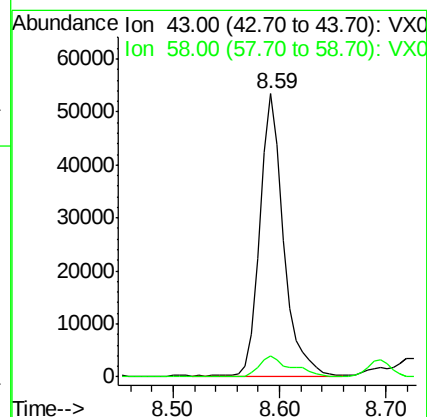
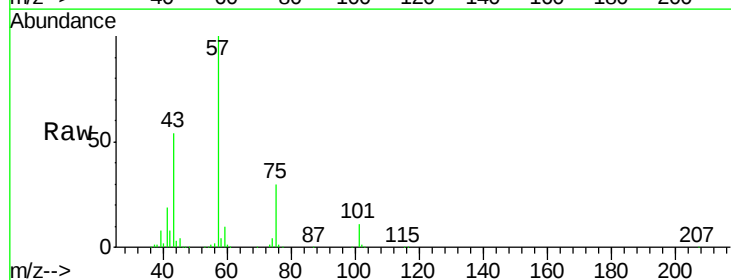
Acq: 12 Dec 2020 18:44

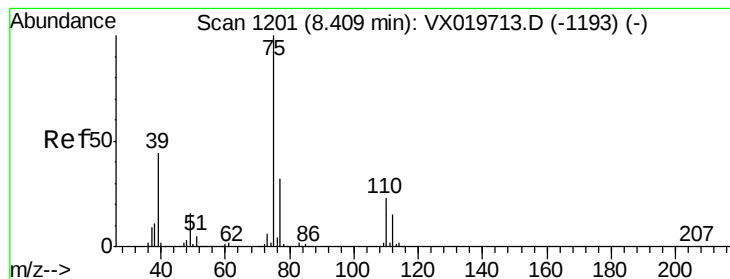
Tgt Ion: 43 Resp: 83537

Ion Ratio Lower Upper

43 100

58 9.9 35.4 53.0#



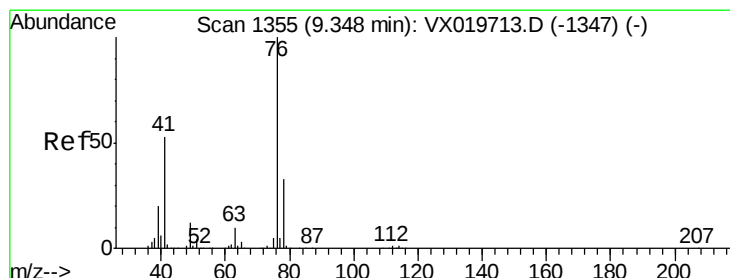
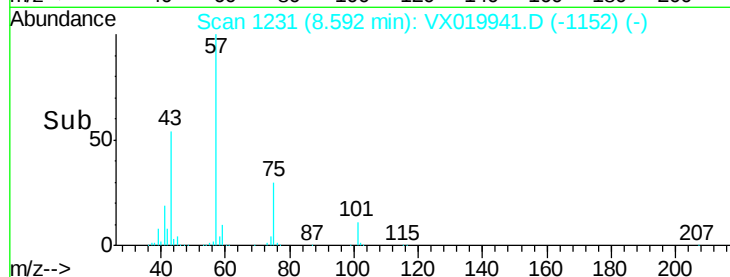
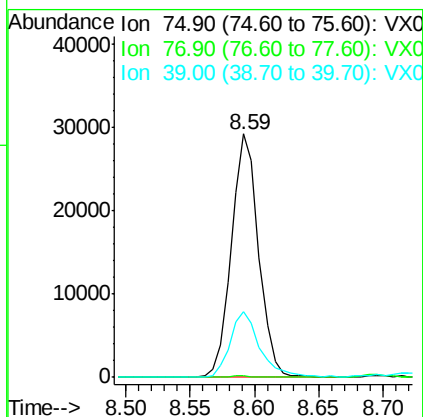
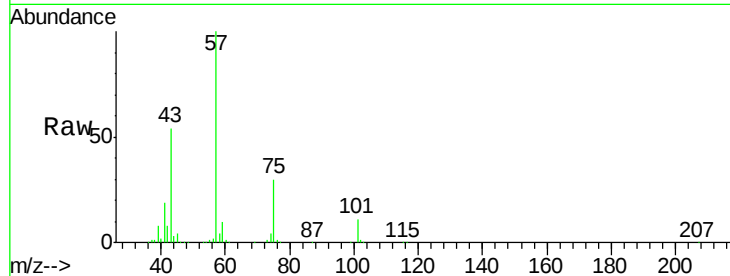


#54

cis-1,3-Dichloropropene
 Concen: 7.817 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019941.D
 Acq: 12 Dec 2020 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133524ZHE#05

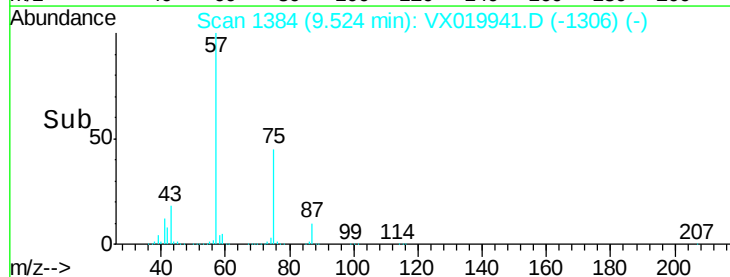
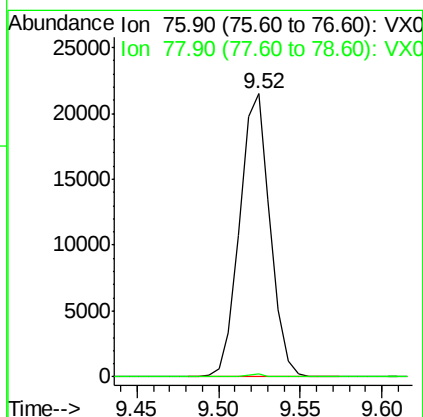
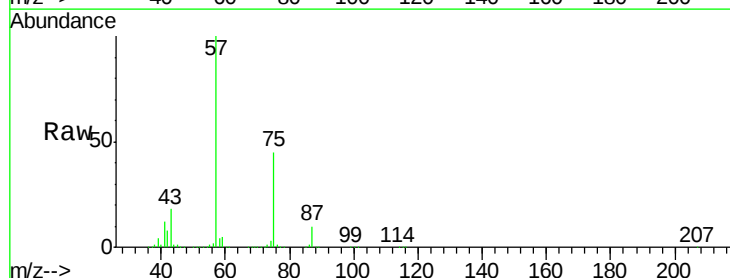
Tgt Ion: 75 Resp: 43027
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 27.1 35.1 52.7#

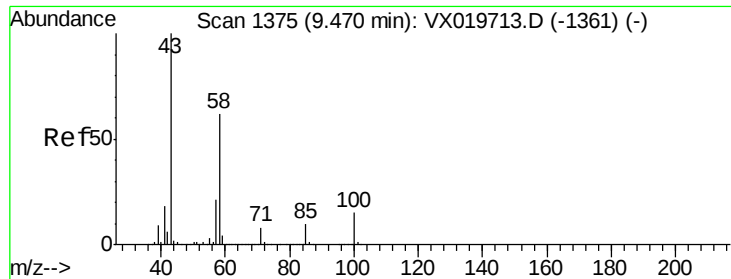


#57

1,3-Dichloropropane
 Concen: 4.753 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019941.D
 Acq: 12 Dec 2020 18:44

Tgt Ion: 76 Resp: 27885
 Ion Ratio Lower Upper
 76 100
 78 0.7 26.2 39.2#

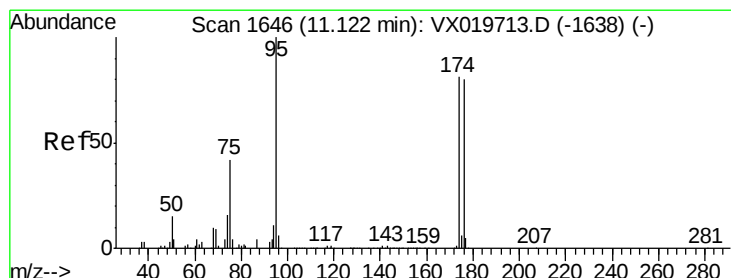
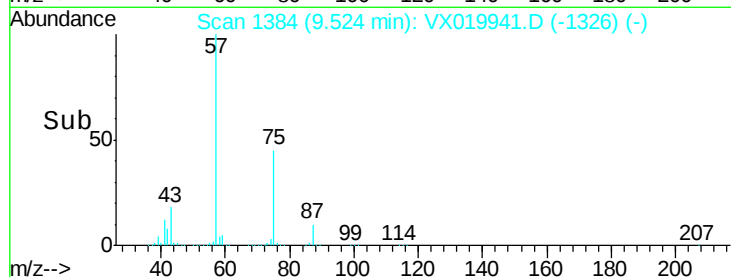
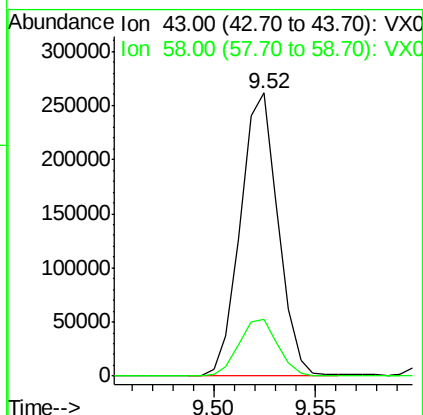
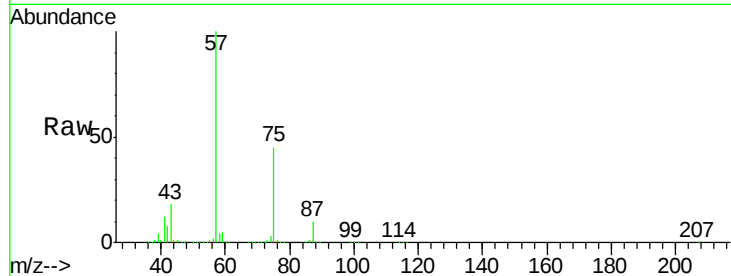




#59
2-Hexanone
Concen: 96.303 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019941.D
Acq: 12 Dec 2020 18:44

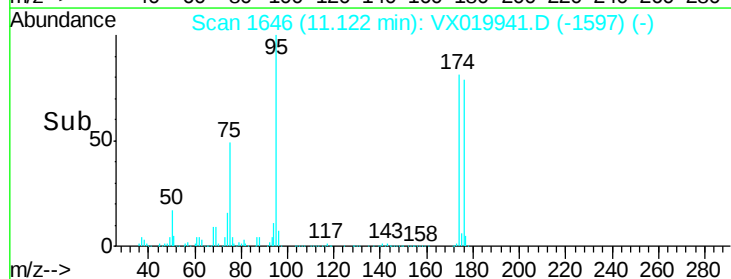
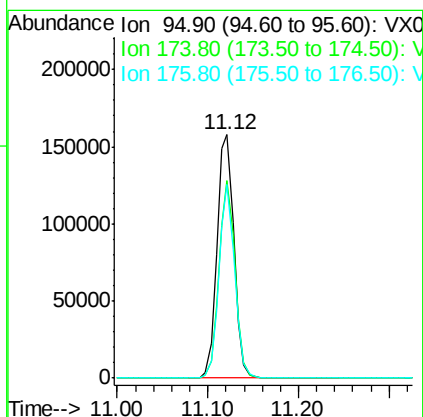
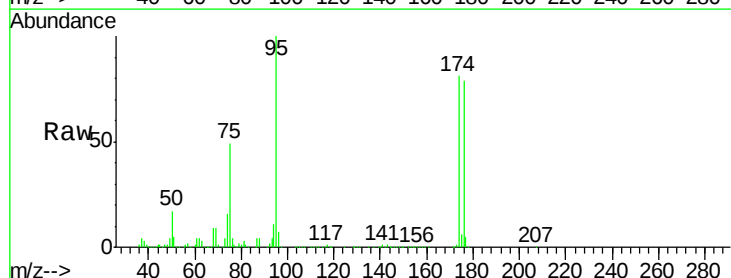
Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#05

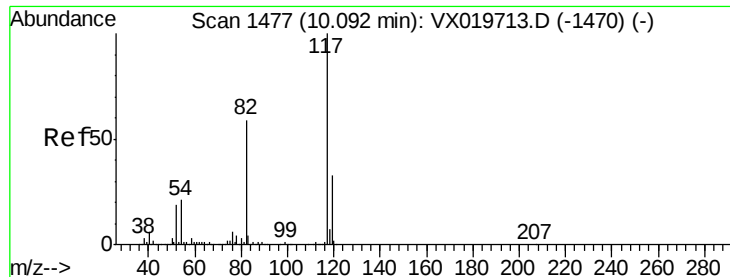
Tgt Ion: 43 Resp: 333848
Ion Ratio Lower Upper
43 100
58 20.9 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 44.375 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019941.D
Acq: 12 Dec 2020 18:44

Tgt Ion: 95 Resp: 205799
Ion Ratio Lower Upper
95 100
174 77.1 0.0 154.6
176 73.7 0.0 155.8

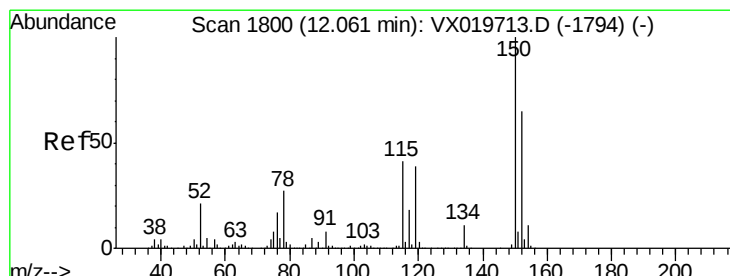
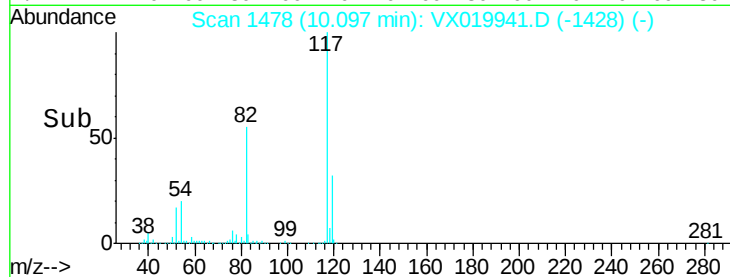
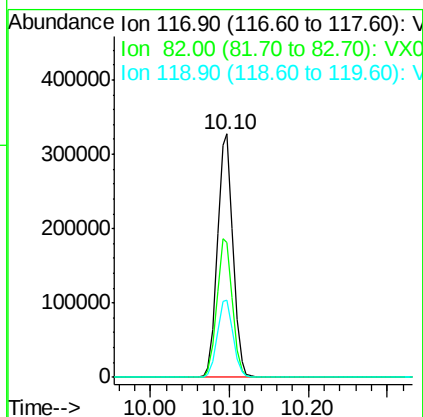
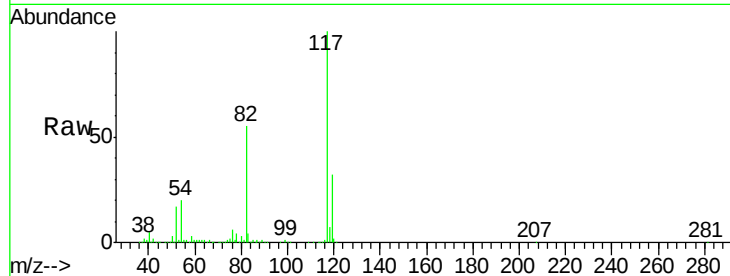




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019941.D
Acq: 12 Dec 2020 18:44

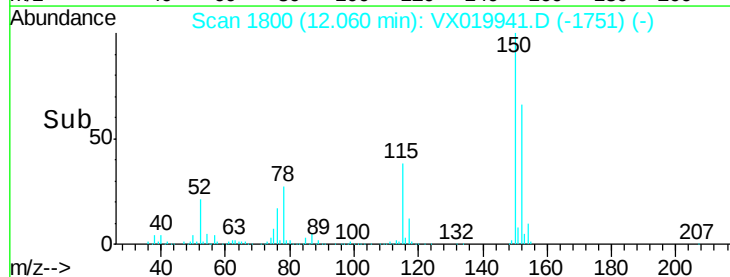
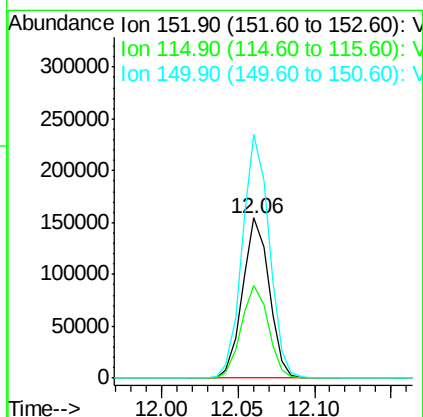
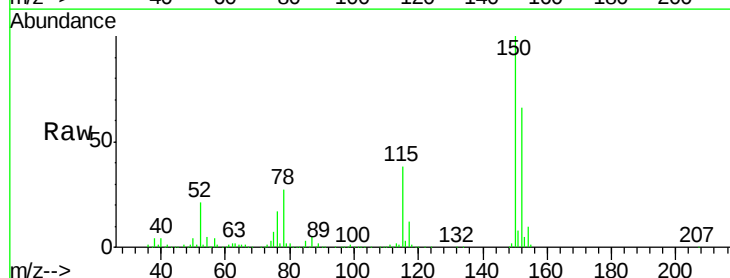
Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#05

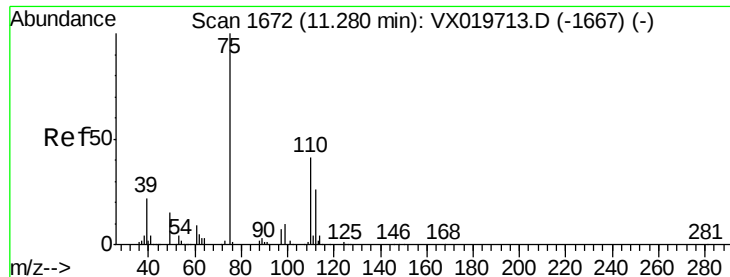
Tgt Ion:117 Resp: 447893
Ion Ratio Lower Upper
117 100
82 55.3 47.4 71.2
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019941.D
Acq: 12 Dec 2020 18:44

Tgt Ion:152 Resp: 187269
Ion Ratio Lower Upper
152 100
115 58.7 41.1 123.3
150 153.3 0.0 349.0

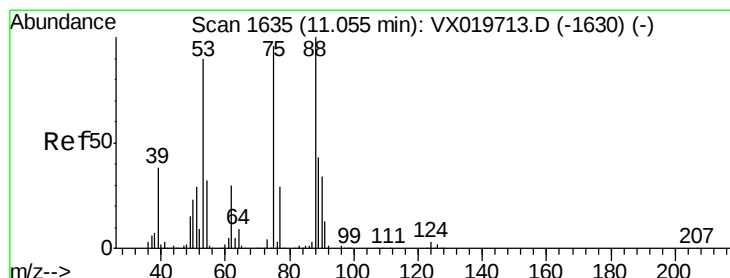
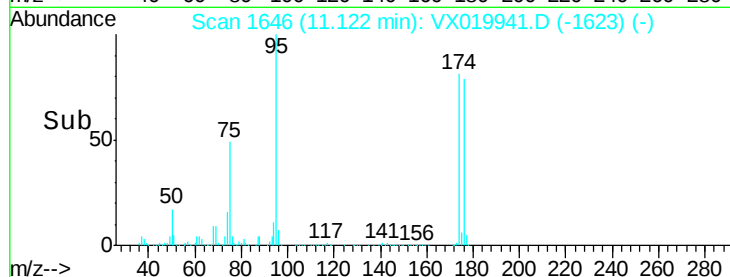
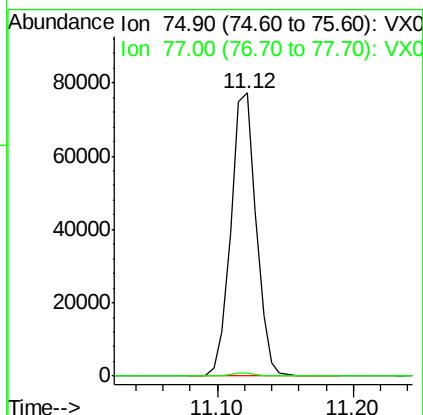
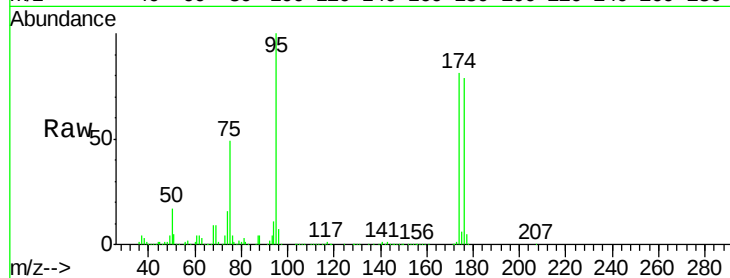




#76
 1,2,3-Trichloropropane
 Concen: 23.770 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX019941.D
 Acq: 12 Dec 2020 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133524ZHE#05

Tgt Ion: 75 Resp: 99838
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.716 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019941.D
 Acq: 12 Dec 2020 18:44

Tgt Ion: 75 Resp: 99838
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.1 37.9 56.9#

