

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019966.D
 Acq On : 13 Dec 2020 05:12
 Operator : JC/MD
 Sample : PB133565ZHE#18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133565ZHE#18

Quant Time: Dec 14 08:25:04 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	315584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	526265	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	486661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211056	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	201733	48.64	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.28%		
35) Dibromofluoromethane	5.46	113	163468	48.06	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.12%		
50) Toluene-d8	8.70	98	652180	50.23	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.46%		
62) 4-Bromofluorobenzene	11.12	95	227275	45.99	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.98%		

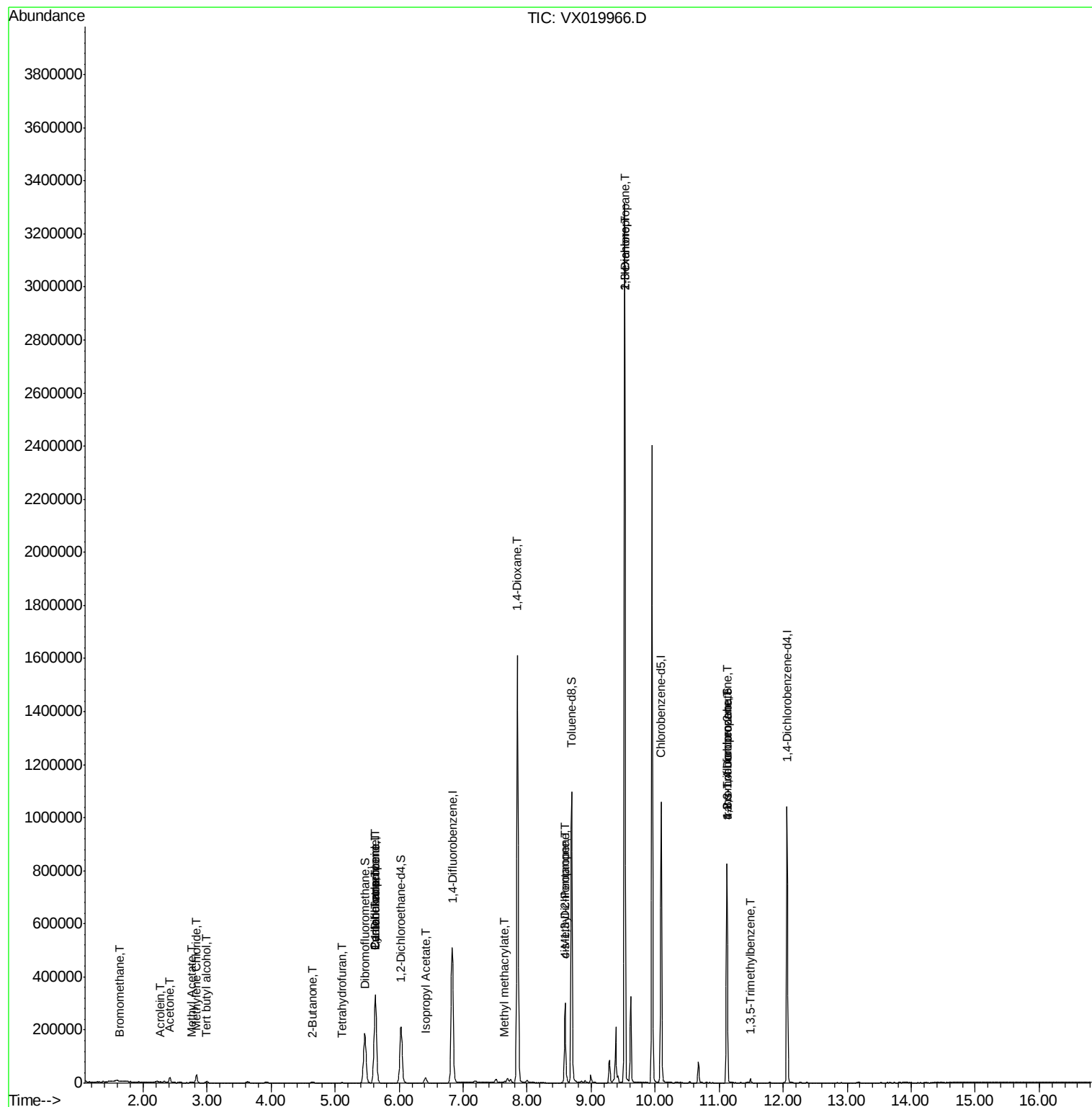
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	369	0.310	ug/l #	69
11) Tert butyl alcohol	2.99	59	2903	0.800	ug/l #	73
13) Acrolein	2.28	56	206	0.450	ug/l	94
16) Acetone	2.42	43	20707	13.282	ug/l	97
18) Methyl Acetate	2.75	43	4538	1.189	ug/l	97
20) Methylene Chloride	2.83	84	14424	2.707	ug/l	99
25) 2-Butanone	4.64	43	3995	1.668	ug/l	92
29) Tetrahydrofuran	5.09	42	373	0.242	ug/l #	27
31) Cyclohexane	5.63	56	6195	1.201	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23982	5.043	ug/l #	48
38) Carbon Tetrachloride	5.63	117	30016	6.446	ug/l #	16
43) Isopropyl Acetate	6.41	43	25458	3.261	ug/l	98
48) Methyl methacrylate	7.65	41	7262	1.892	ug/l #	10
49) 1,4-Dioxane	7.85	88	228	2.452	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	94240	19.774	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	49963	8.518	ug/l #	59
57) 1,3-Dichloropropane	9.52	76	29178	4.667	ug/l #	43
59) 2-Hexanone	9.52	43	354239	95.889	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	110159	23.272	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.49	105	6682	0.549	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	110159	67.274	ug/l #	12

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

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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: VX019966.D

Acq: 13 Dec 2020 05:12

Instrument :

MSVOA_X

ClientSampleId :

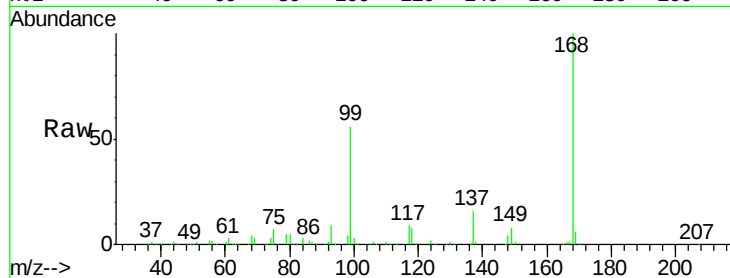
PB133565ZHE#18

Tgt Ion:168 Resp: 31584

Ion Ratio Lower Upper

168 100

99 56.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

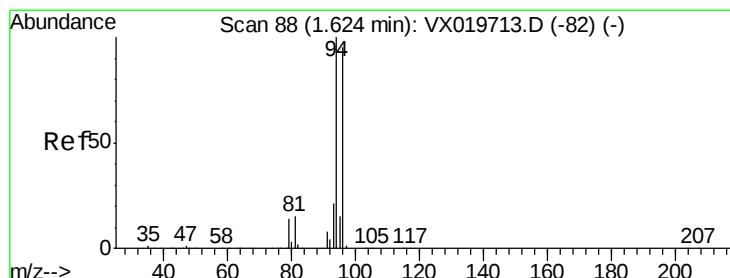
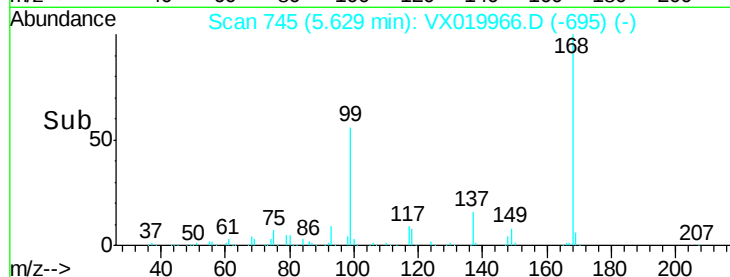
5.63

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.310 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019966.D

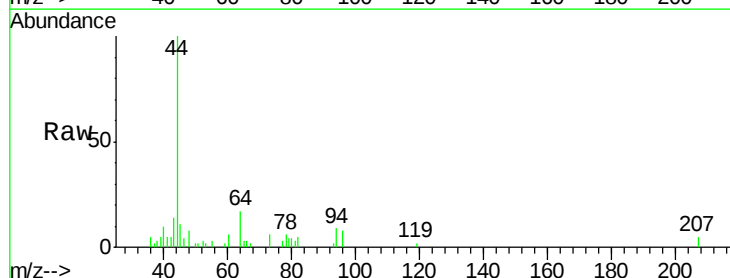
Acq: 13 Dec 2020 05:12

Tgt Ion: 94 Resp: 369

Ion Ratio Lower Upper

94 100

96 65.0 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

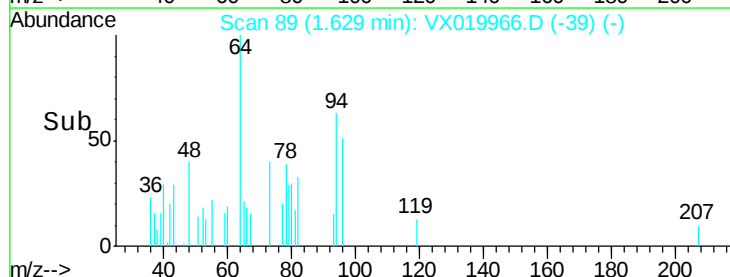
150

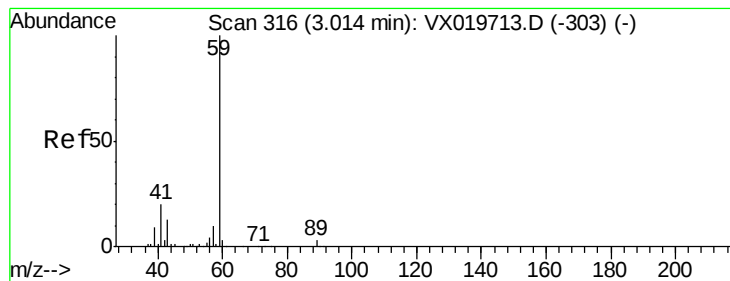
100

50

0

Time-->





#11

Tert butyl alcohol

Concen: 0.800 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX019966.D

Acq: 13 Dec 2020 05:12

Instrument :

MSVOA_X

ClientSampleId :

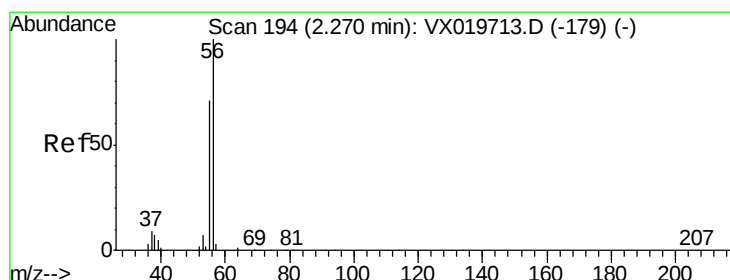
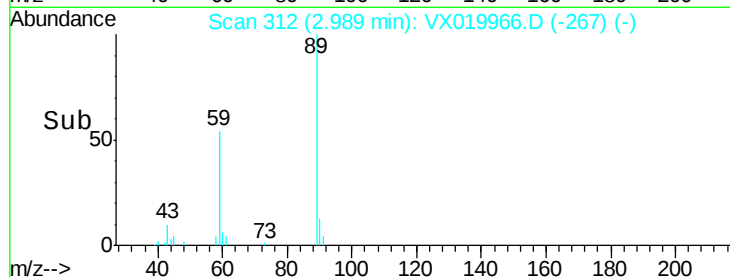
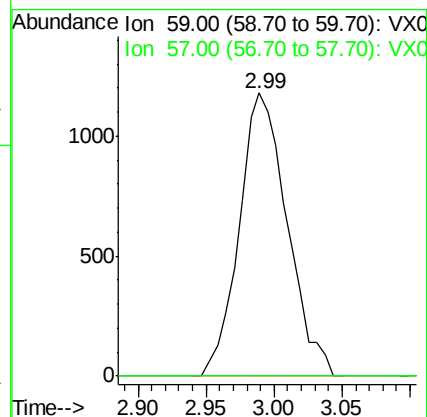
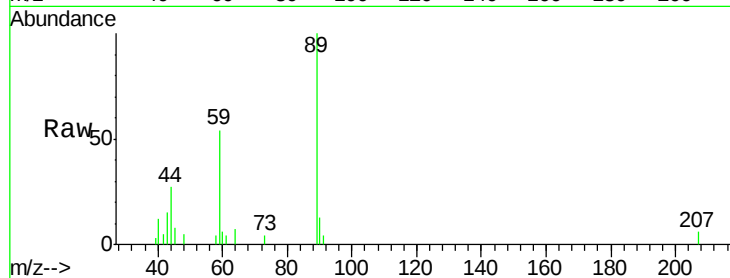
PB133565ZHE#18

Tgt Ion: 59 Resp: 2903

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#13

Acrolein

Concen: 0.450 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019966.D

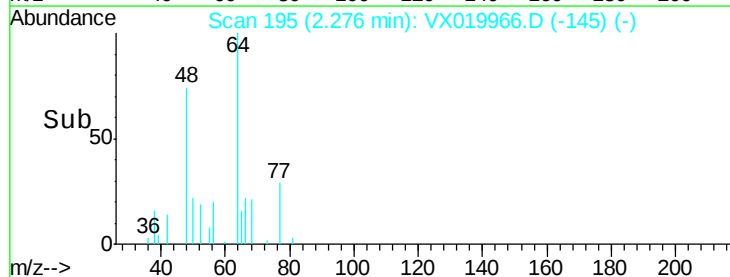
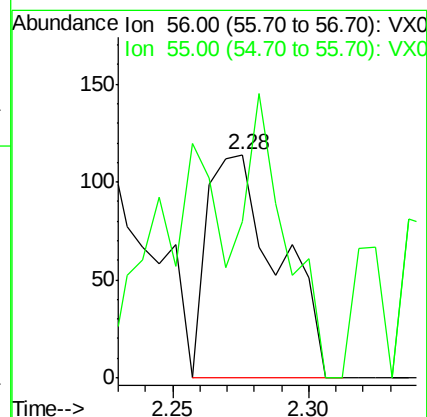
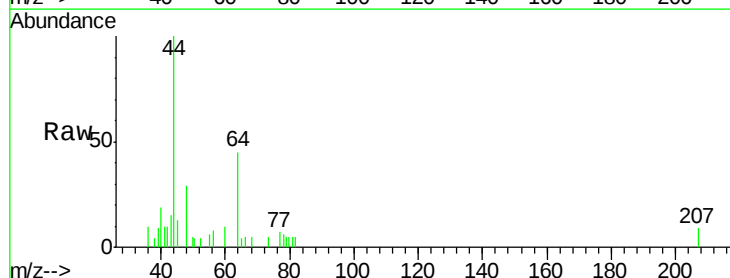
Acq: 13 Dec 2020 05:12

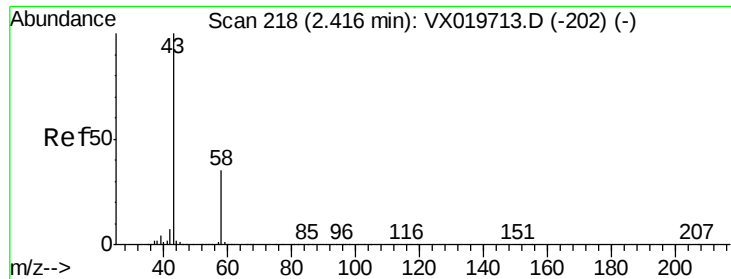
Tgt Ion: 56 Resp: 206

Ion Ratio Lower Upper

56 100

55 75.7 56.4 84.6





#16

Acetone

Concen: 13.282 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019966.D

Acq: 13 Dec 2020 05:12

Instrument :

MSVOA_X

ClientSampleId :

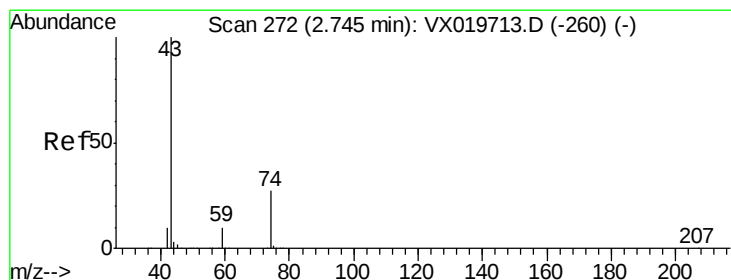
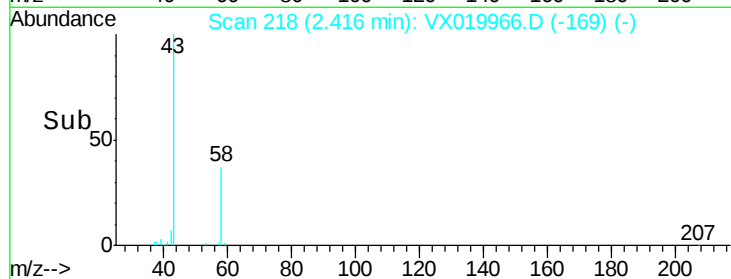
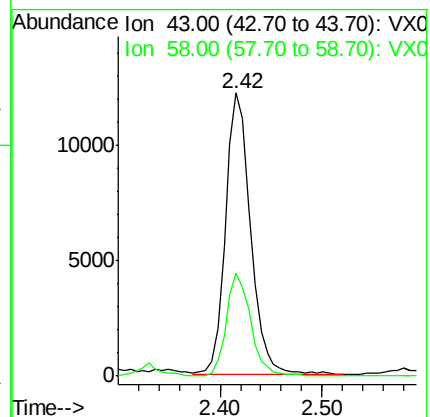
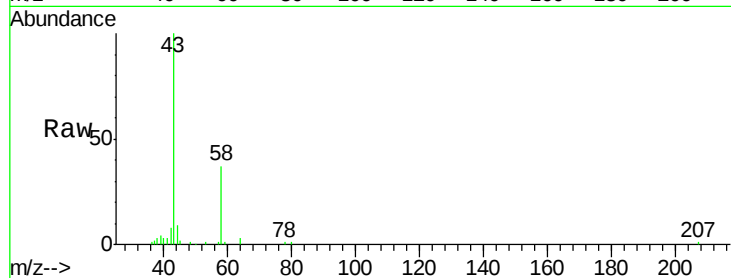
PB133565ZHE#18

Tgt Ion: 43 Resp: 20707

Ion Ratio Lower Upper

43 100

58 36.8 27.8 41.8



#18

Methyl Acetate

Concen: 1.189 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019966.D

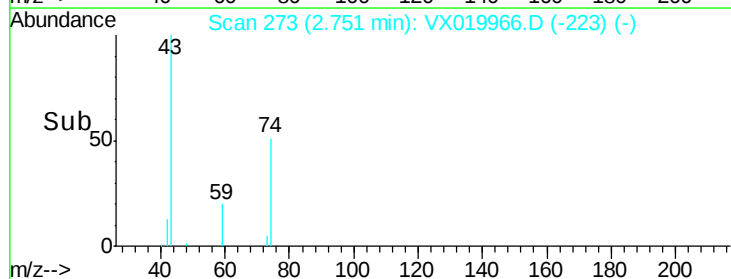
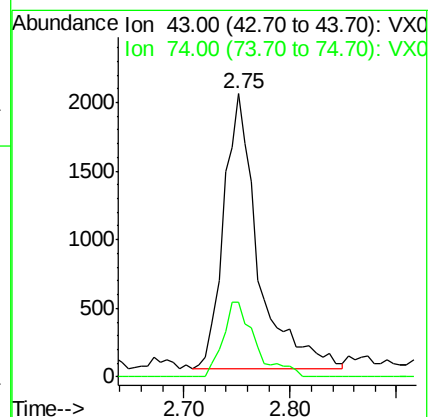
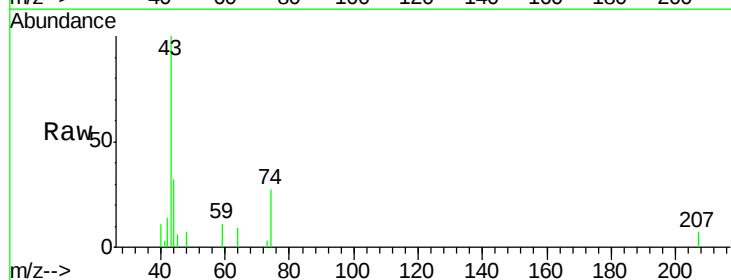
Acq: 13 Dec 2020 05:12

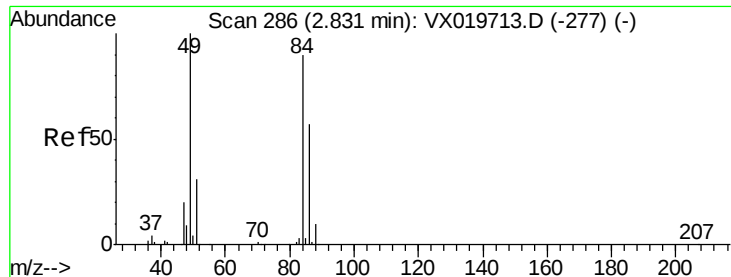
Tgt Ion: 43 Resp: 4538

Ion Ratio Lower Upper

43 100

74 25.7 21.9 32.9

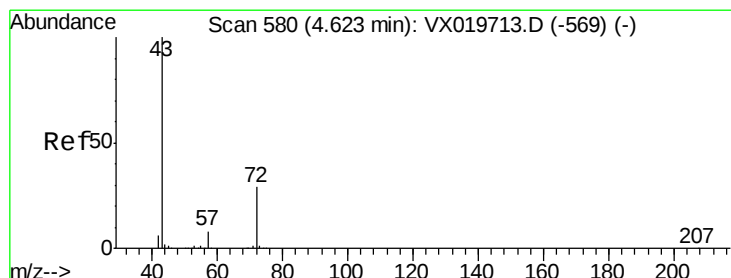
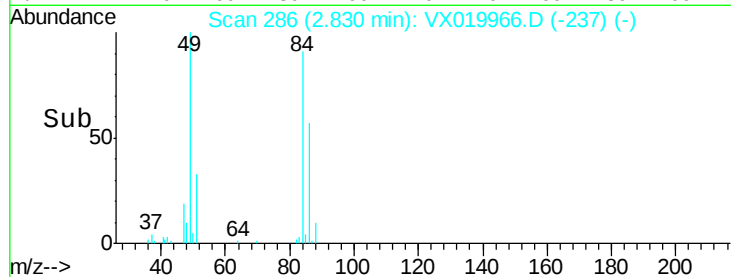
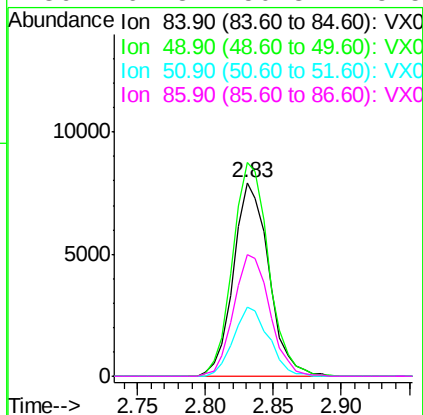
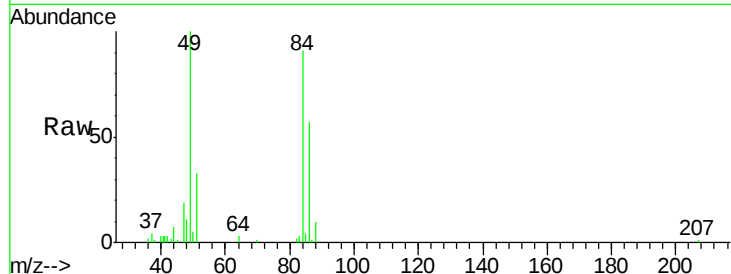




#20
Methylene Chloride
Concen: 2.707 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019966.D
Acq: 13 Dec 2020 05:12

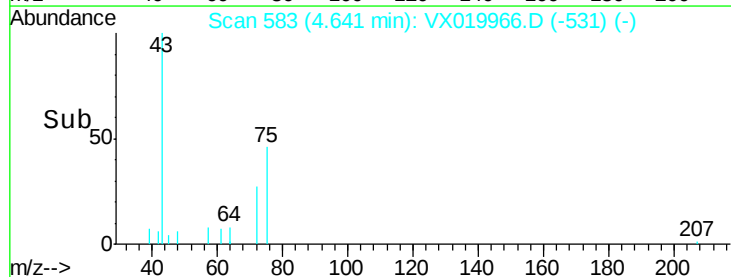
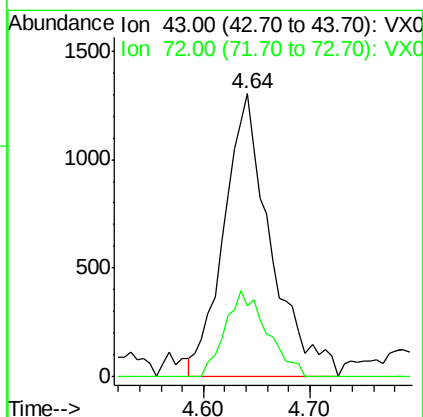
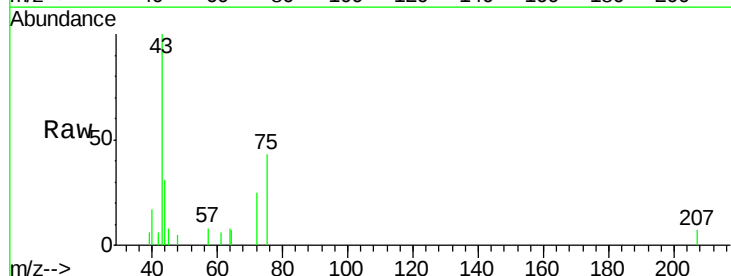
Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#18

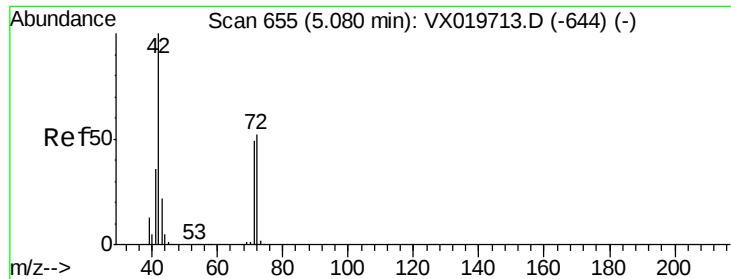
Tgt Ion: 84 Resp: 14424
Ion Ratio Lower Upper
84 100
49 110.3 88.6 132.8
51 35.9 27.0 40.6
86 62.8 50.3 75.5



#25
2-Butanone
Concen: 1.668 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX019966.D
Acq: 13 Dec 2020 05:12

Tgt Ion: 43 Resp: 3995
Ion Ratio Lower Upper
43 100
72 25.2 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.242 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX019966.D

Acq: 13 Dec 2020 05:12

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#18

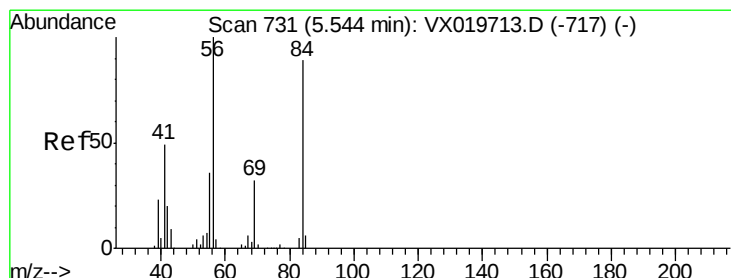
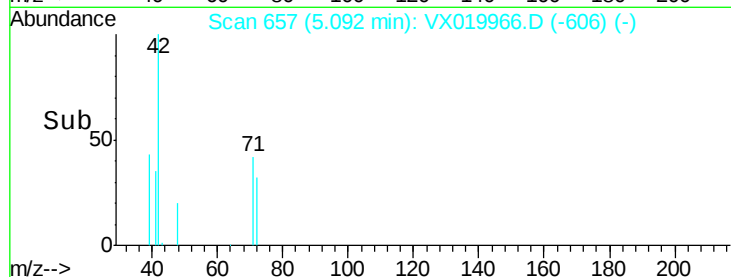
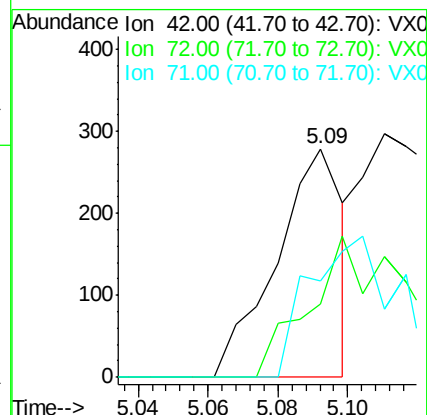
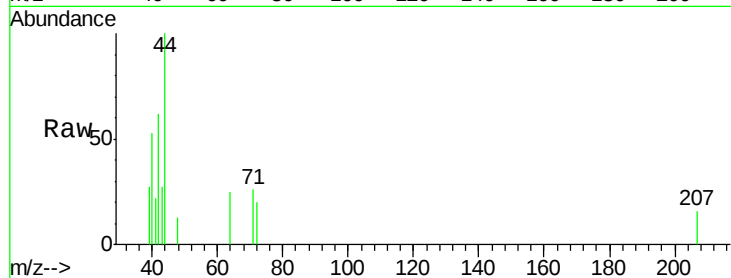
Tgt Ion: 42 Resp: 373

Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

71 0.0 38.4 57.6#



#31

Cyclohexane

Concen: 1.201 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX019966.D

Acq: 13 Dec 2020 05:12

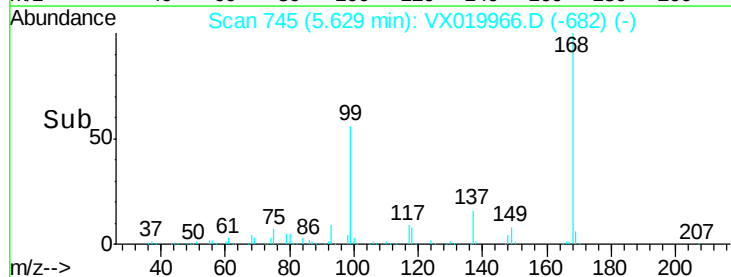
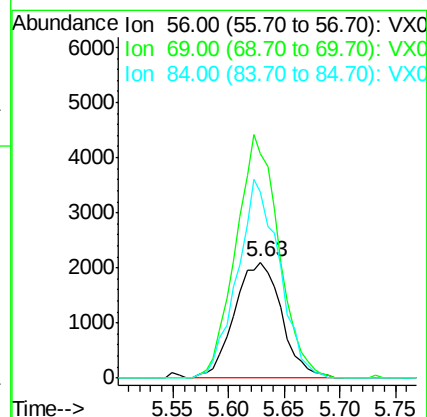
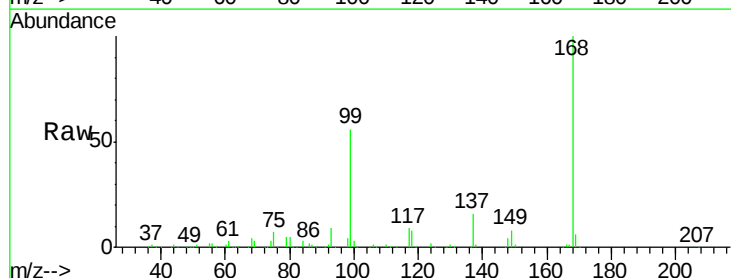
Tgt Ion: 56 Resp: 6195

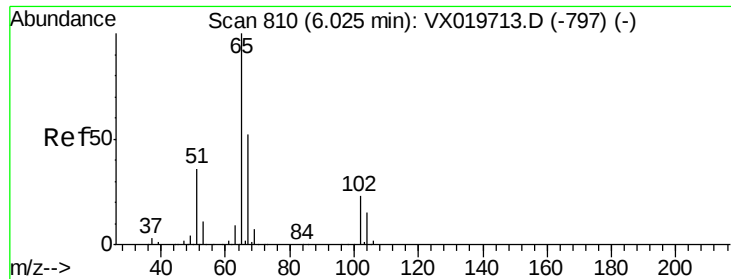
Ion Ratio Lower Upper

56 100

69 194.4 25.3 37.9#

84 161.2 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.637 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019966.D

Acq: 13 Dec 2020 05:12

Instrument :

MSVOA_X

ClientSampleId :

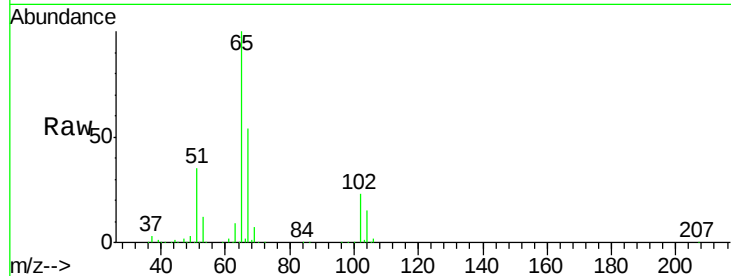
PB133565ZHE#18

Tgt Ion: 65 Resp: 201733

Ion Ratio Lower Upper

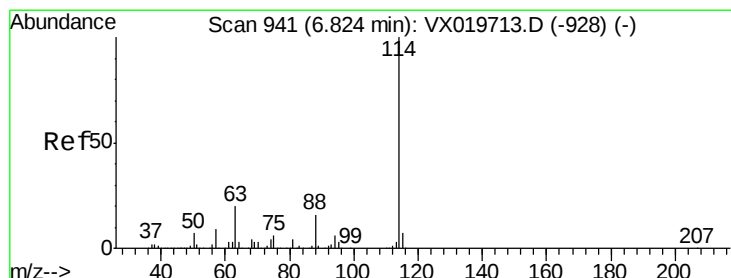
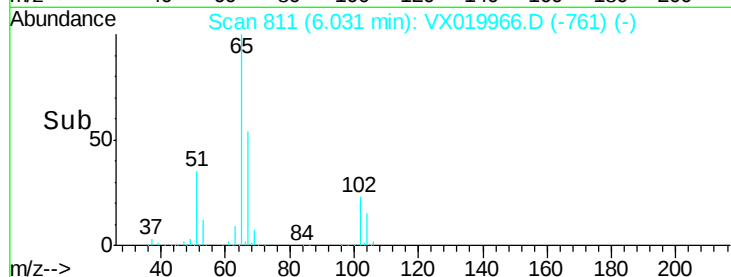
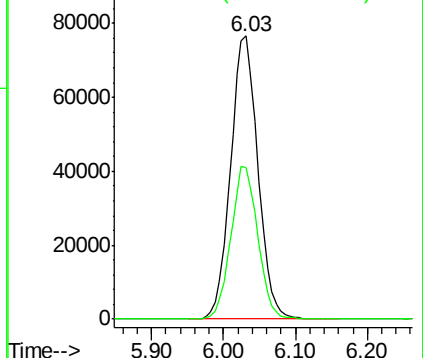
65 100

67 53.2 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019966.D

Acq: 13 Dec 2020 05:12

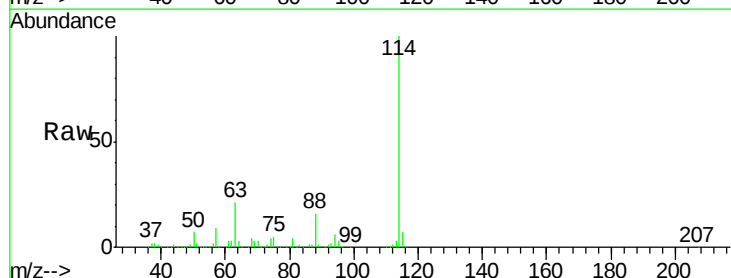
Tgt Ion: 114 Resp: 526265

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

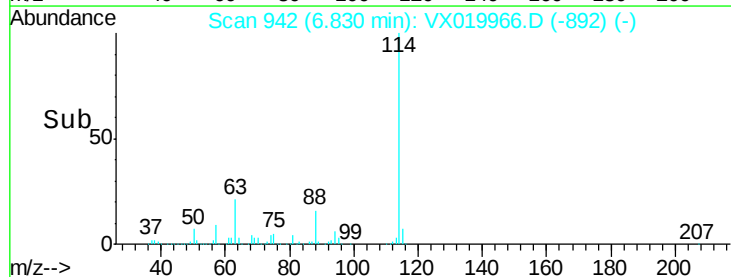
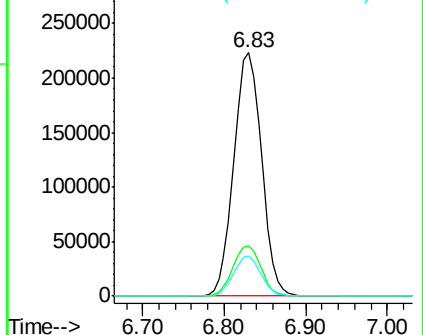
88 16.4 0.0 32.8

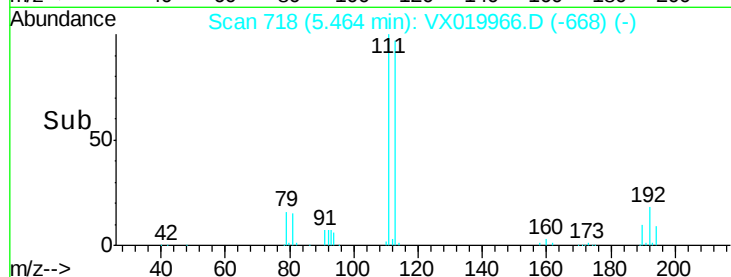
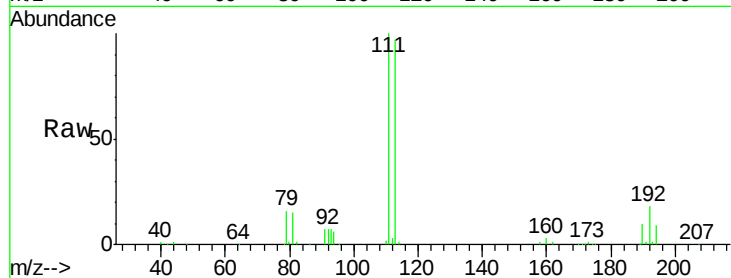
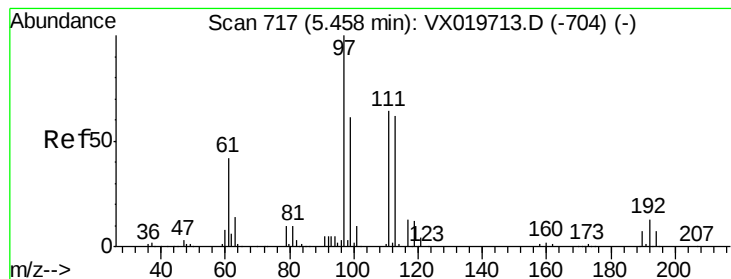


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.062 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019966.D

Acq: 13 Dec 2020 05:12

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#18

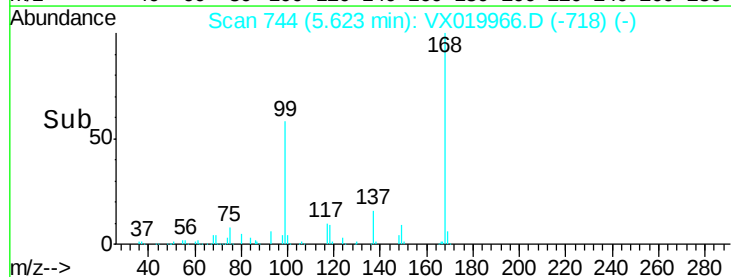
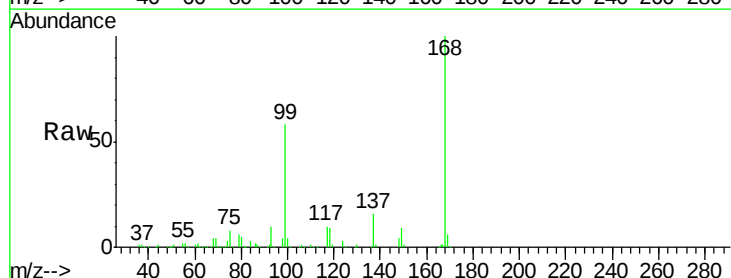
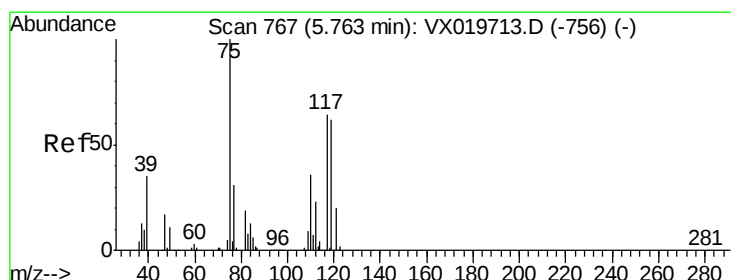
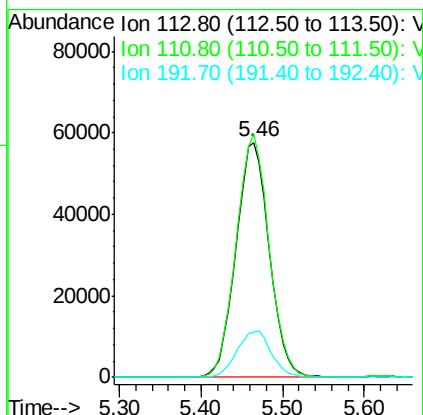
Tgt Ion:113 Resp: 163468

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

192 20.3 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.043 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019966.D

Acq: 13 Dec 2020 05:12

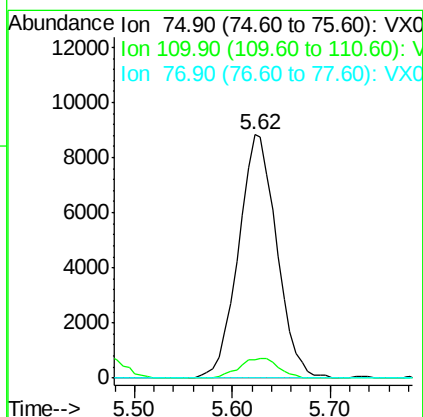
Tgt Ion: 75 Resp: 23982

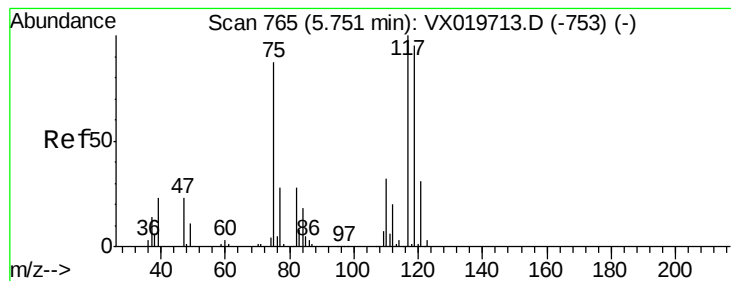
Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.4#

77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.446 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019966.D

Acq: 13 Dec 2020 05:12

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#18

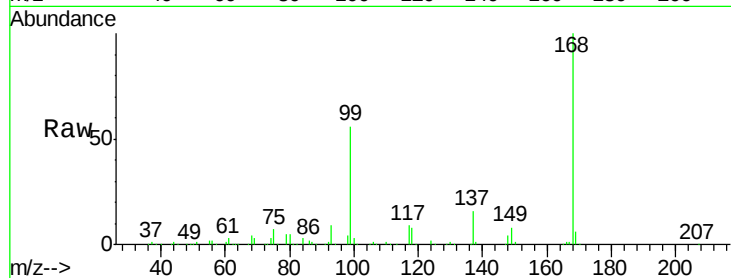
Tgt Ion:117 Resp: 30016

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

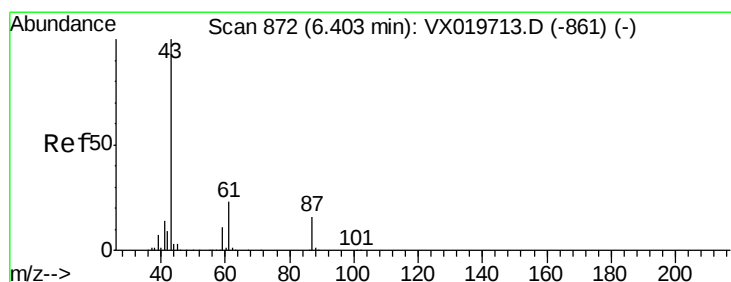
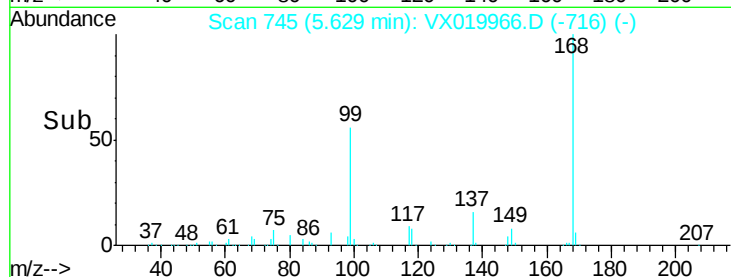
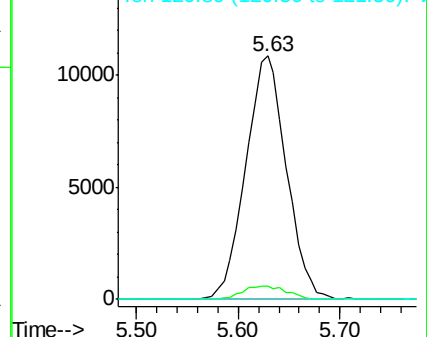
121 0.0 24.8 37.2#



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: 3.261 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019966.D

Acq: 13 Dec 2020 05:12

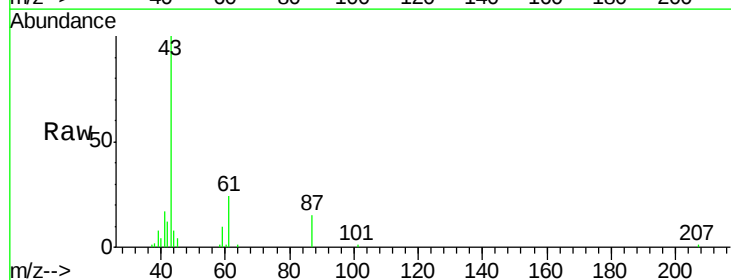
Tgt Ion: 43 Resp: 25458

Ion Ratio Lower Upper

43 100

61 22.0 18.2 27.4

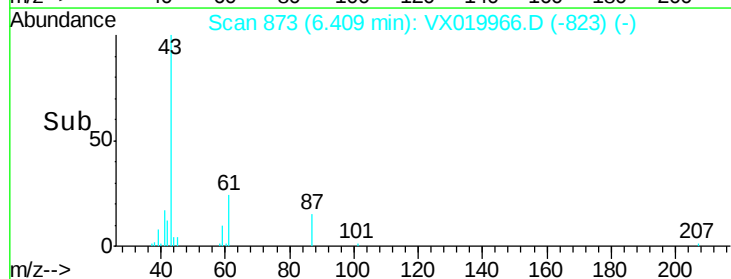
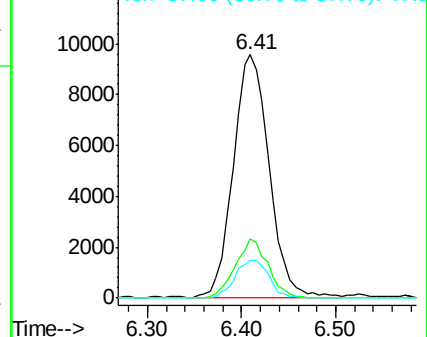
87 14.6 12.5 18.7

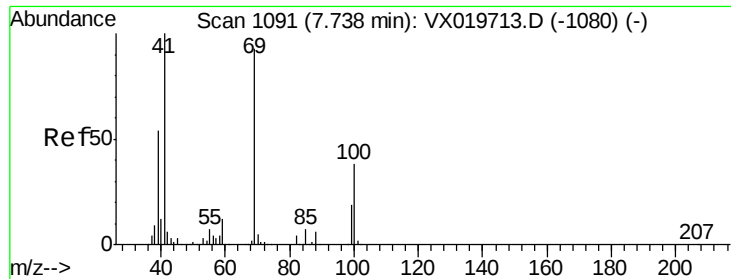


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

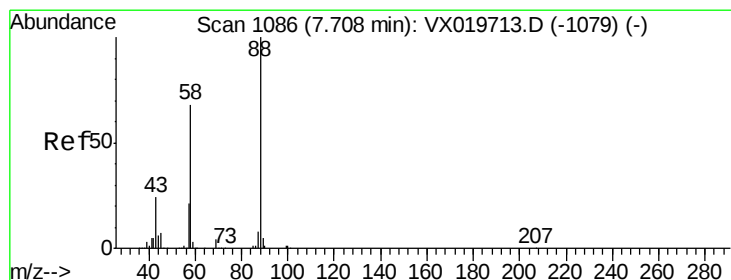
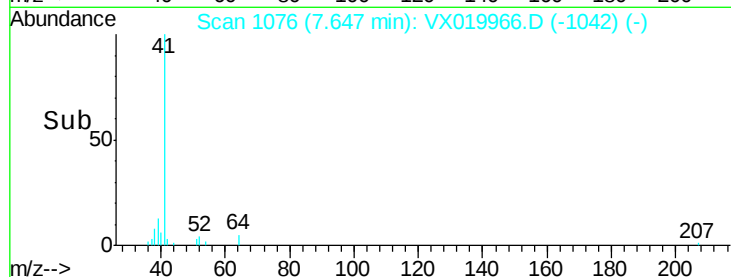
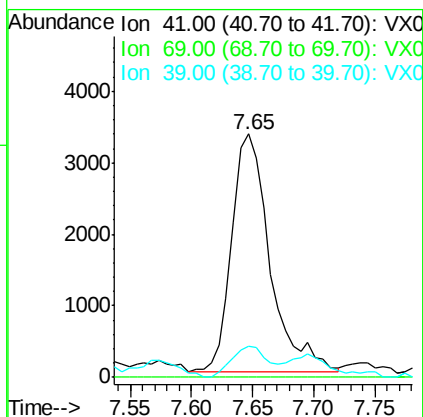
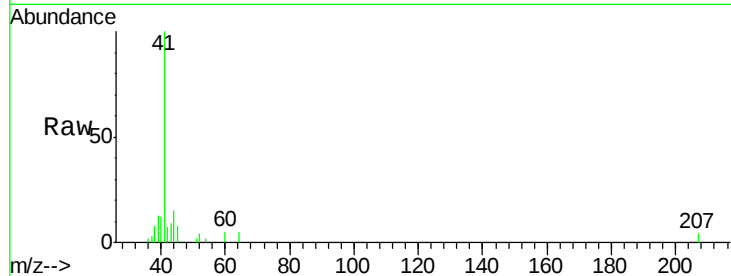




#48
Methyl methacrylate
Concen: 1.892 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX019966.D
Acq: 13 Dec 2020 05:12

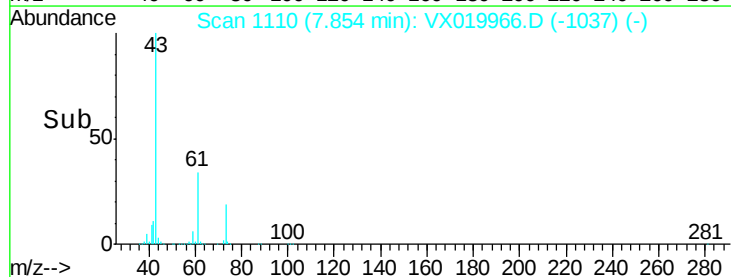
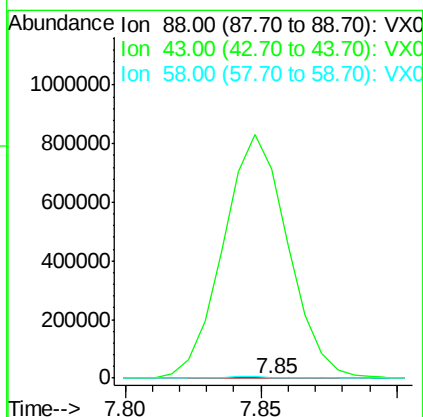
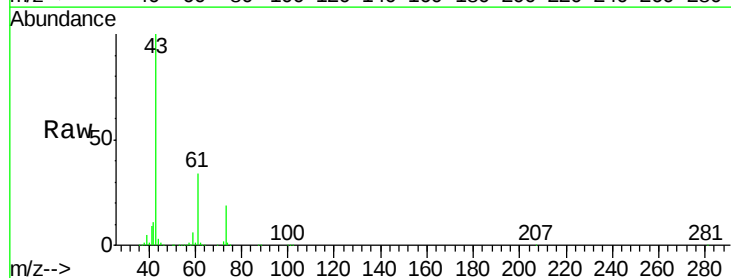
Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#18

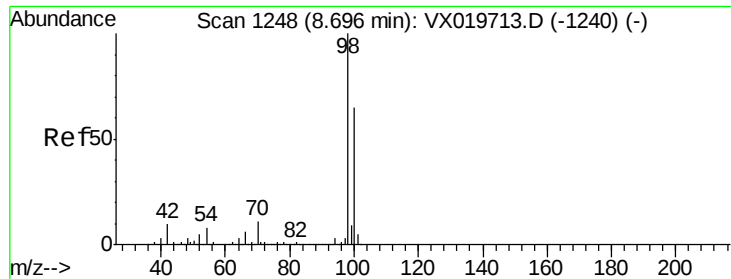
Tgt Ion: 41 Resp: 7262
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.452 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.15 min
Lab File: VX019966.D
Acq: 13 Dec 2020 05:12

Tgt Ion: 88 Resp: 228
Ion Ratio Lower Upper
88 100
43 604442.1 23.2 34.8#
58 3197.4 55.0 82.4#





#50

Toluene-d8

Concen: 50.226 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019966.D

Acq: 13 Dec 2020 05:12

Instrument :

MSVOA_X

ClientSampleId :

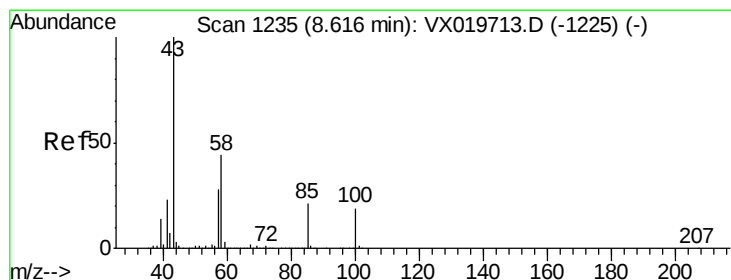
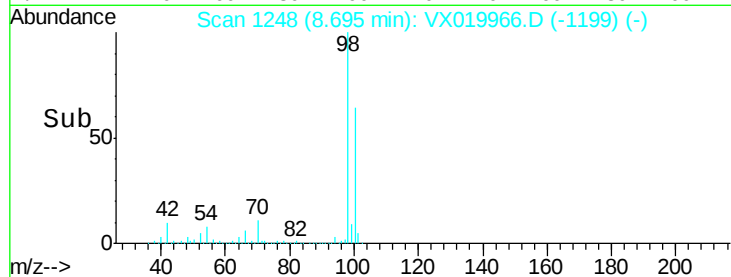
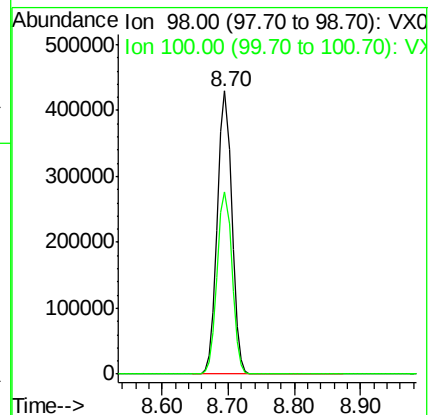
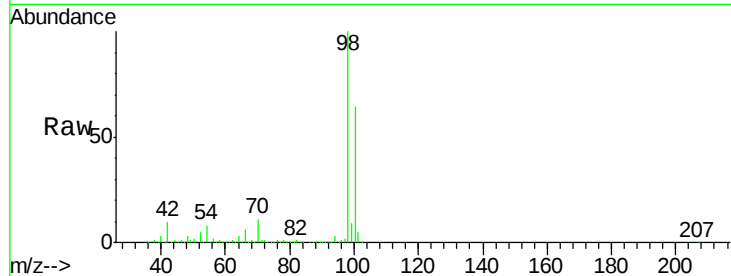
PB133565ZHE#18

Tgt Ion: 98 Resp: 652180

Ion Ratio Lower Upper

98 100

100 66.2 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 19.774 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX019966.D

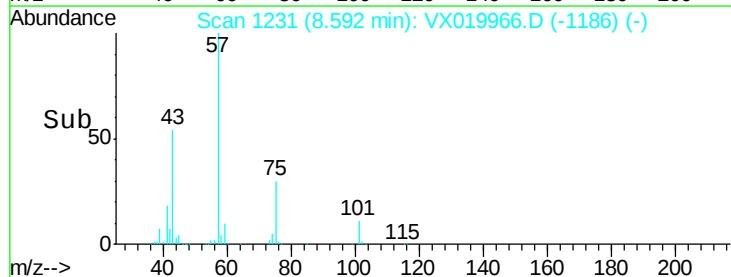
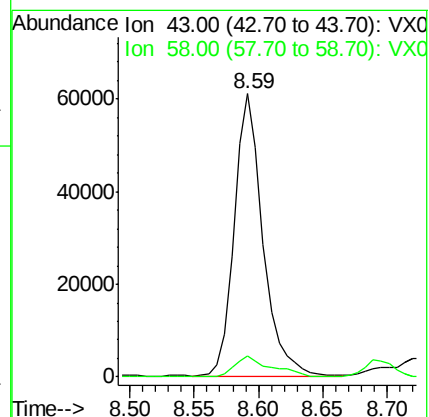
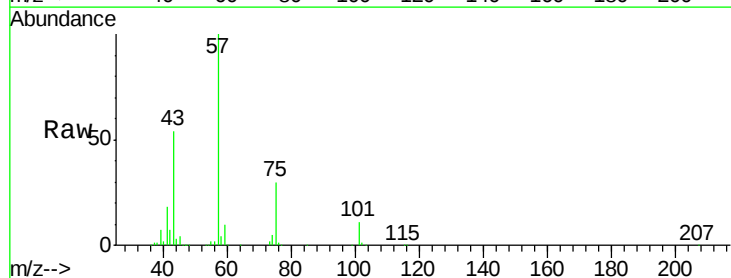
Acq: 13 Dec 2020 05:12

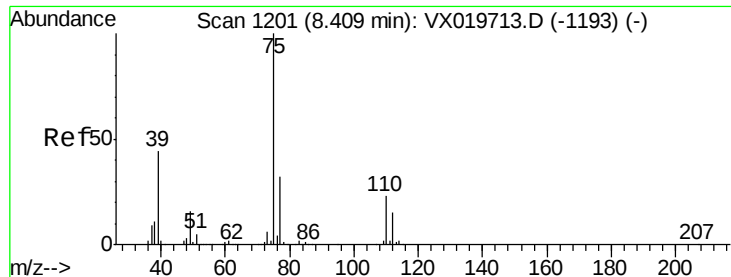
Tgt Ion: 43 Resp: 94240

Ion Ratio Lower Upper

43 100

58 9.5 35.4 53.0#

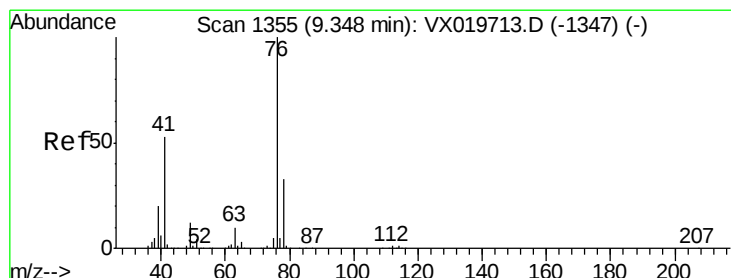
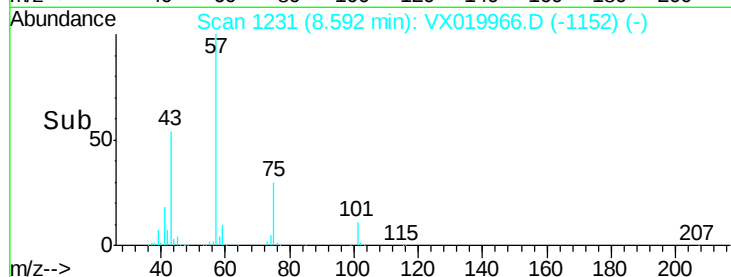
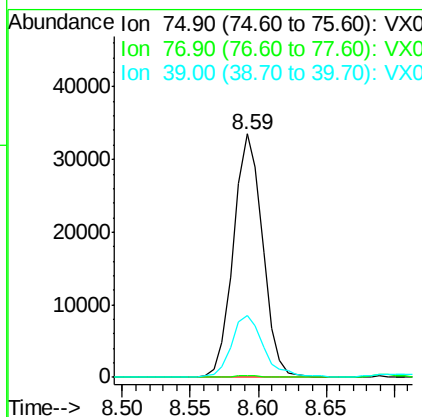
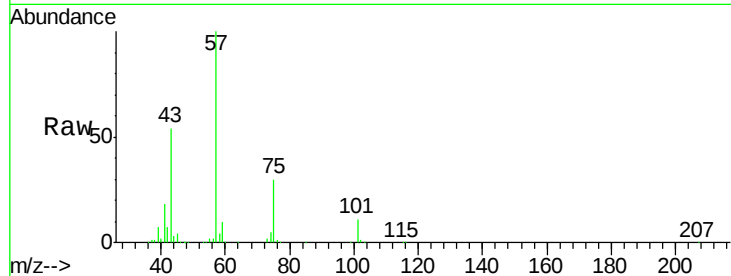




#54
 cis-1,3-Dichloropropene
 Concen: 8.518 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019966.D
 Acq: 13 Dec 2020 05:12

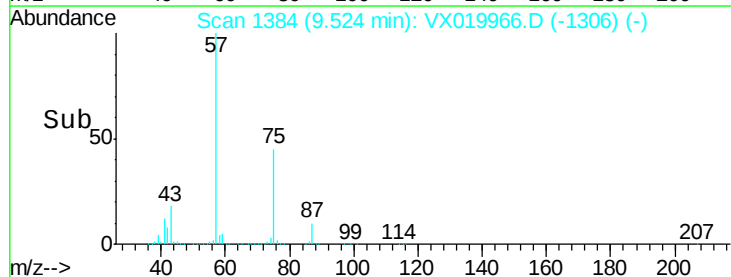
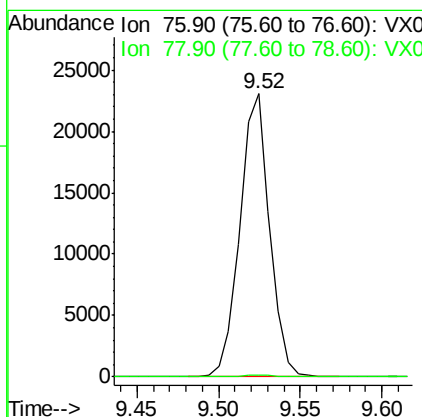
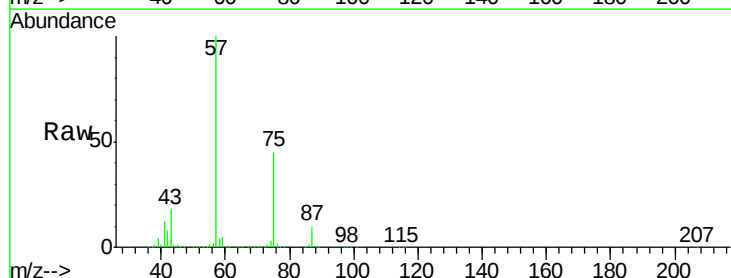
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133565ZHE#18

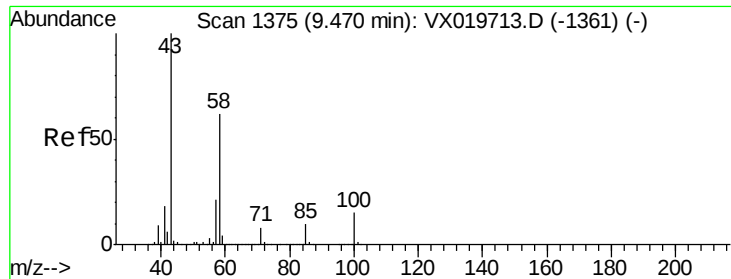
Tgt Ion: 75 Resp: 49963
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 25.1 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 4.667 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019966.D
 Acq: 13 Dec 2020 05:12

Tgt Ion: 76 Resp: 29178
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

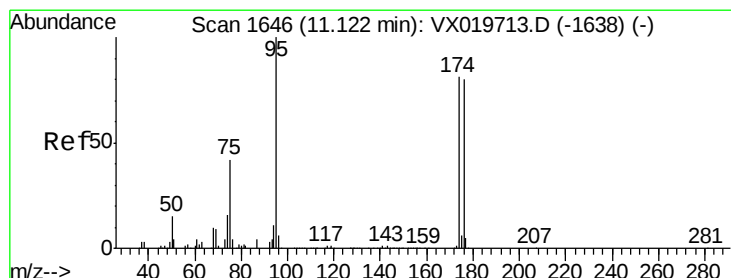
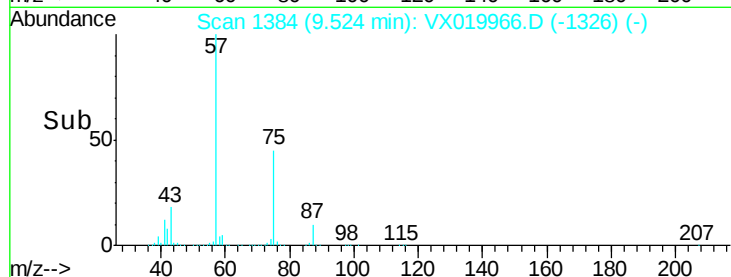
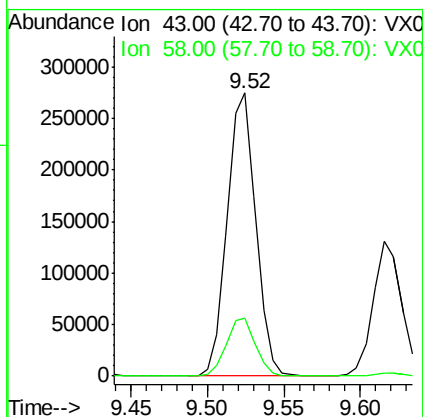
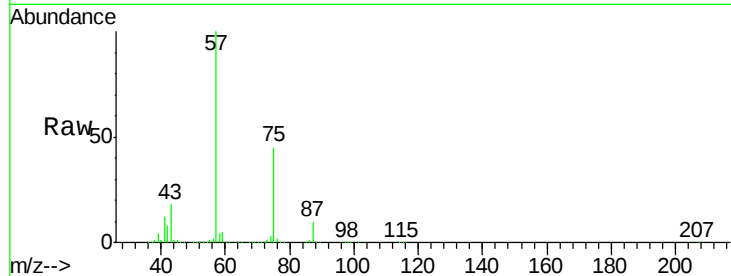




#59
2-Hexanone
Concen: 95.889 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019966.D
Acq: 13 Dec 2020 05:12

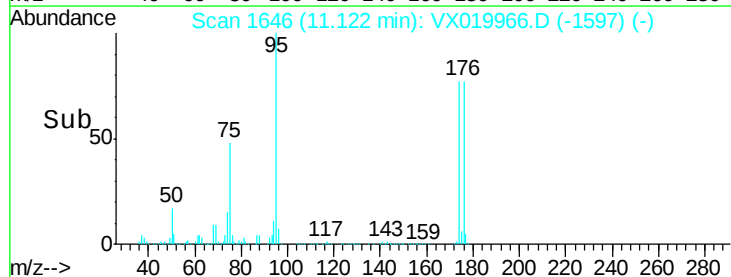
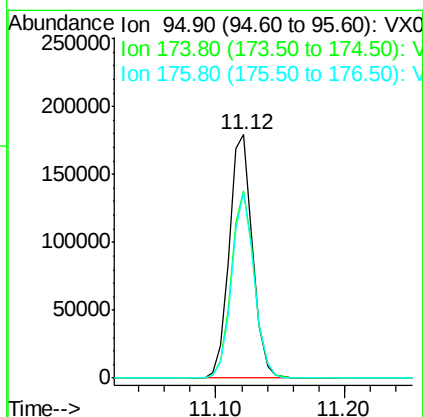
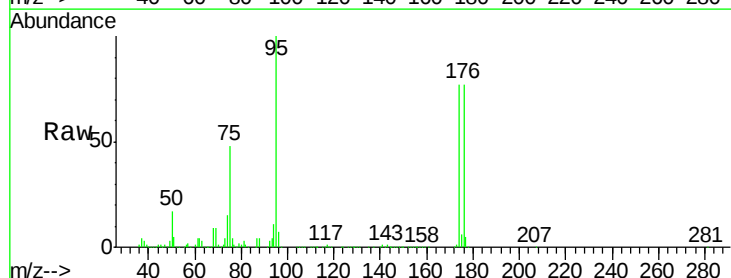
Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#18

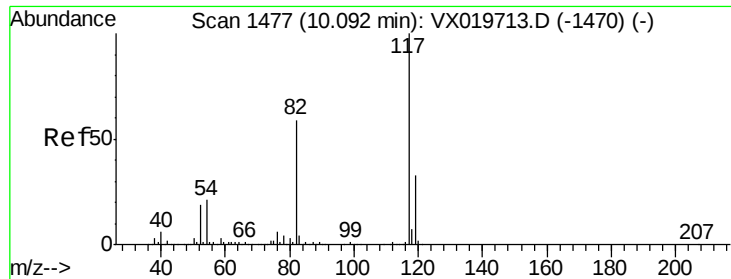
Tgt Ion: 43 Resp: 354239
Ion Ratio Lower Upper
43 100
58 20.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.987 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019966.D
Acq: 13 Dec 2020 05:12

Tgt Ion: 95 Resp: 227275
Ion Ratio Lower Upper
95 100
174 76.2 0.0 154.6
176 73.7 0.0 155.8

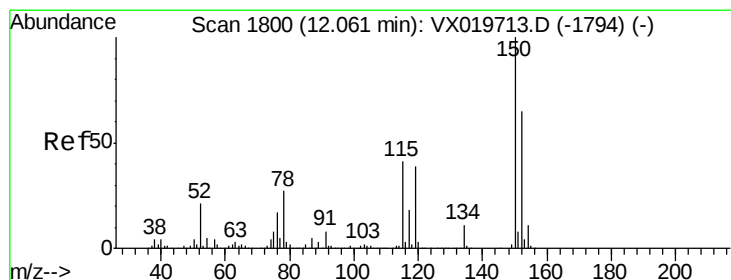
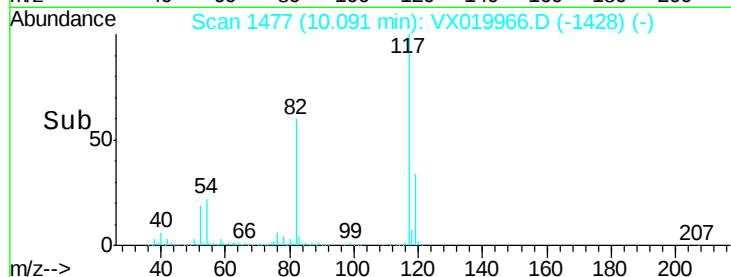
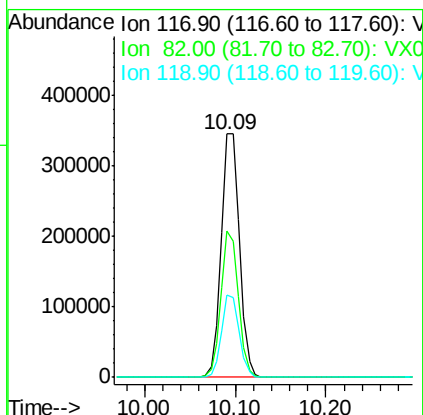
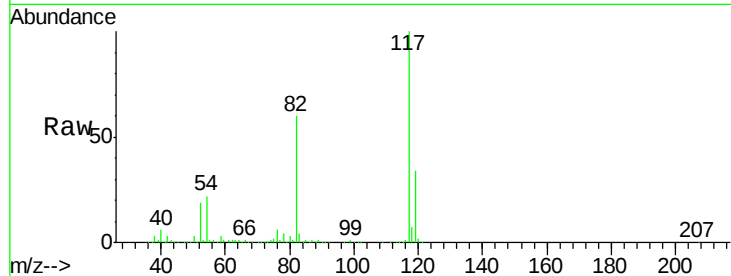




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX019966.D
Acq: 13 Dec 2020 05:12

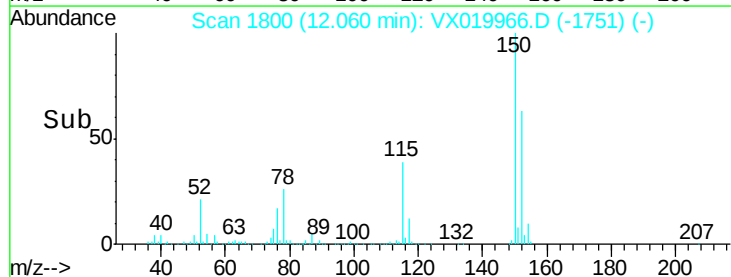
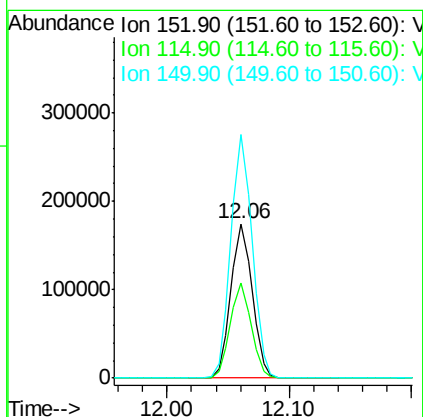
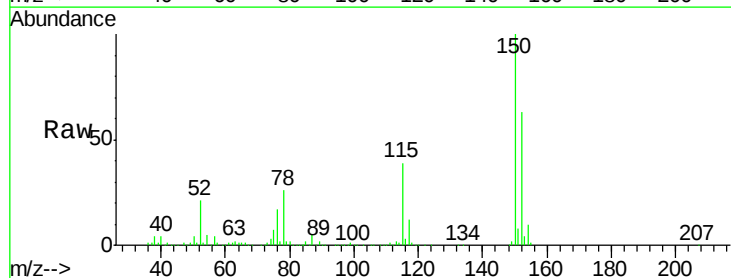
Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#18

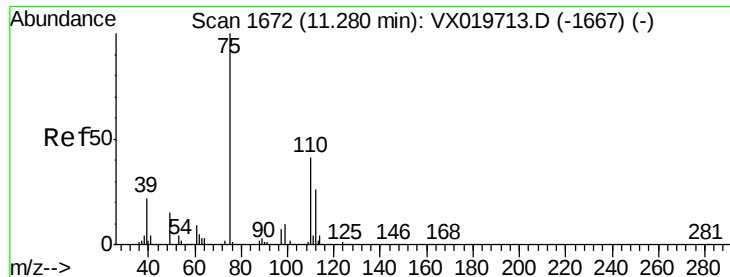
Tgt Ion:117 Resp: 486661
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 34.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019966.D
Acq: 13 Dec 2020 05:12

Tgt Ion:152 Resp: 211056
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 157.2 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.272 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019966.D

Acq: 13 Dec 2020 05:12

Instrument :

MSVOA_X

ClientSampleId :

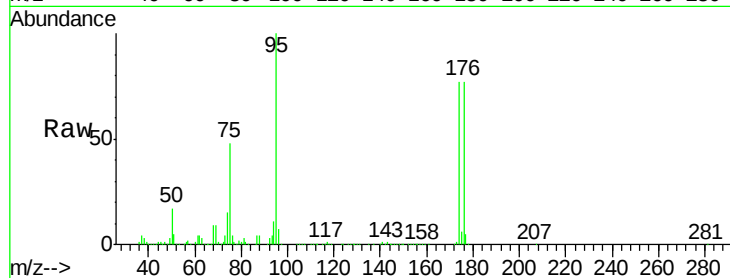
PB133565ZHE#18

Tgt Ion: 75 Resp: 110159

Ion Ratio Lower Upper

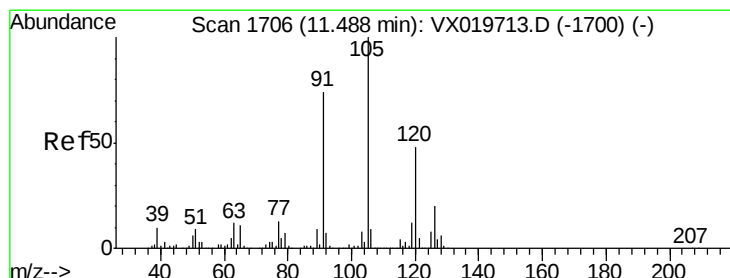
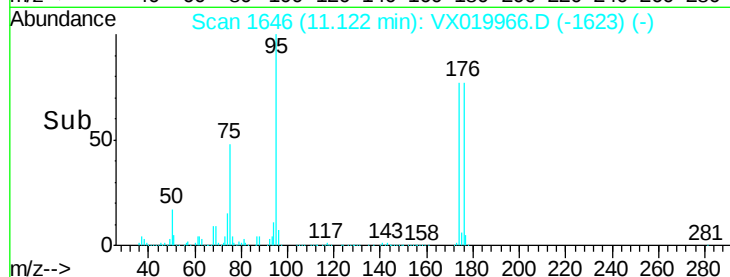
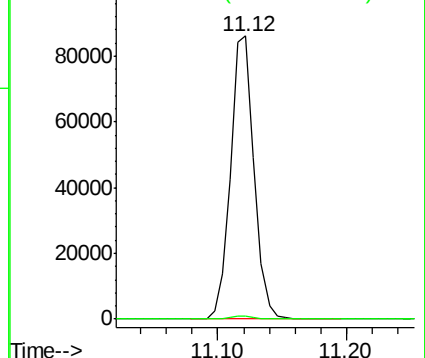
75 100

77 1.2 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: 0.549 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019966.D

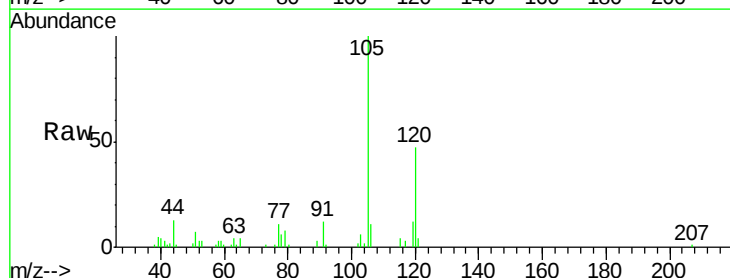
Acq: 13 Dec 2020 05:12

Tgt Ion: 105 Resp: 6682

Ion Ratio Lower Upper

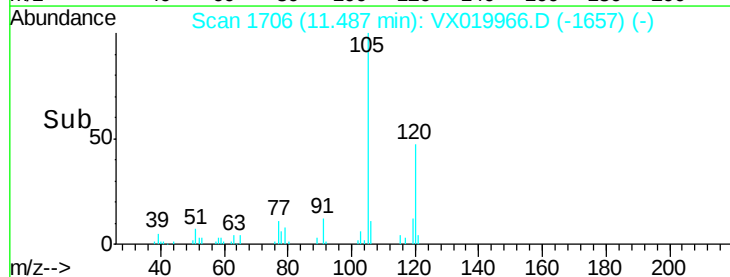
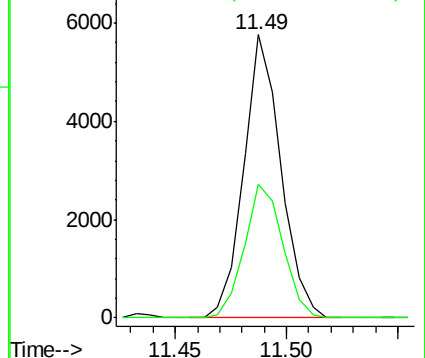
105 100

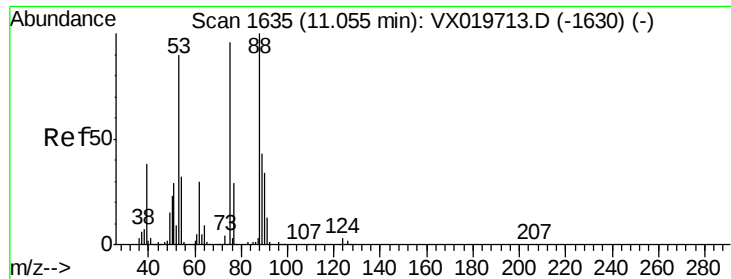
120 48.9 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 67.274 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019966.D

Acq: 13 Dec 2020 05:12

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#18

Tgt Ion: 75 Resp: 110159

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

