

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020027.D
 Acq On : 15 Dec 2020 21:14
 Operator : JC/MD
 Sample : PB133610ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#09

Quant Time: Dec 16 00:30:49 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	305399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	513936	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	477180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206469	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	198278	49.40	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.80%		
35) Dibromofluoromethane	5.46	113	160590	48.35	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.70%		
50) Toluene-d8	8.70	98	632846	49.91	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.82%		
62) 4-Bromofluorobenzene	11.12	95	223317	46.27	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.54%		

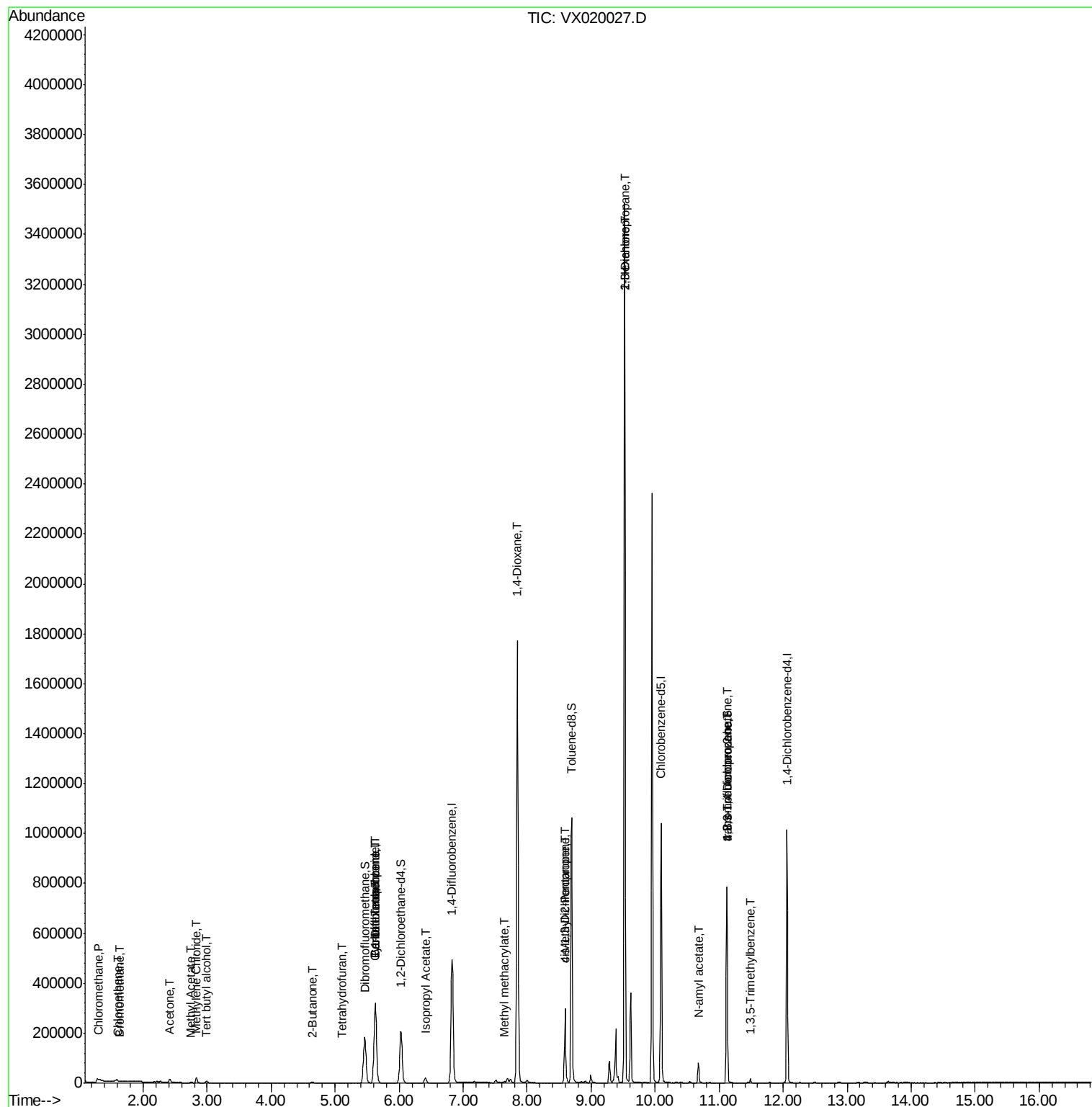
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1016	0.309	ug/l #	78
5) Bromomethane	1.63	94	254	0.221	ug/l	84
6) Chloroethane	1.61	64	700	0.336	ug/l #	47
11) Tert butyl alcohol	2.98	59	3682	1.868	ug/l #	73
16) Acetone	2.42	43	14365	9.521	ug/l	99
18) Methyl Acetate	2.75	43	2803	0.759	ug/l	97
20) Methylene Chloride	2.83	84	9348	1.330	ug/l	97
25) 2-Butanone	4.64	43	3618	1.561	ug/l	97
29) Tetrahydrofuran	5.10	42	457	0.306	ug/l	91
31) Cyclohexane	5.62	56	5985	1.199	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23729	5.109	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30010	6.599	ug/l #	16
43) Isopropyl Acetate	6.41	43	26191	3.436	ug/l	98
48) Methyl methacrylate	7.65	41	7031	1.875	ug/l #	10
49) 1,4-Dioxane	7.85	88	251	2.764	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	94829	20.375	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	50330	8.787	ug/l #	59
57) 1,3-Dichloropropane	9.52	76	31067	5.088	ug/l #	43
59) 2-Hexanone	9.52	43	382982	106.157	ug/l #	46
74) N-amyl acetate	10.68	43	17148	3.034	ug/l #	49
76) 1,2,3-Trichloropropane	11.12	75	108076	23.339	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.49	105	6730	0.565	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	108076	67.468	ug/l #	12

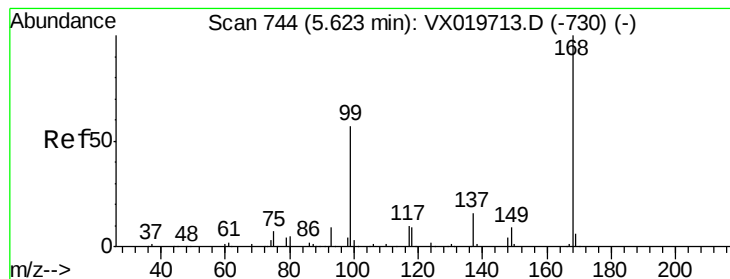
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
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Quant Time: Dec 16 00:30:49 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: VX020027.D

Acq: 15 Dec 2020 21:14

Instrument :

MSVOA_X

ClientSampleId :

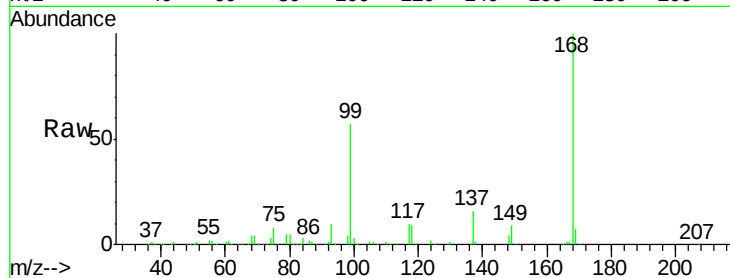
PB133610ZHE#09

Tgt Ion:168 Resp: 305399

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

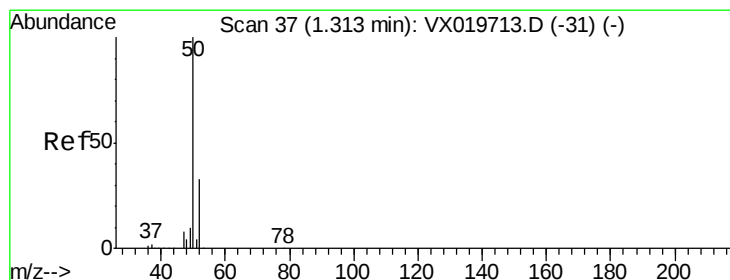
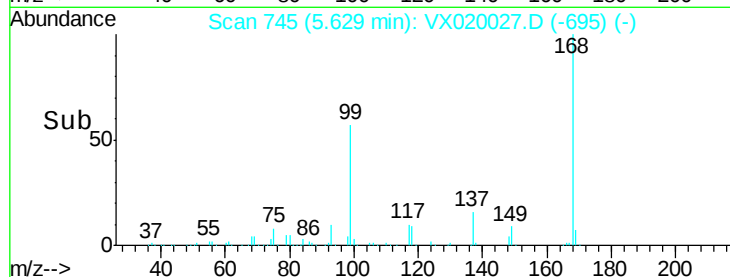
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.309 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX020027.D

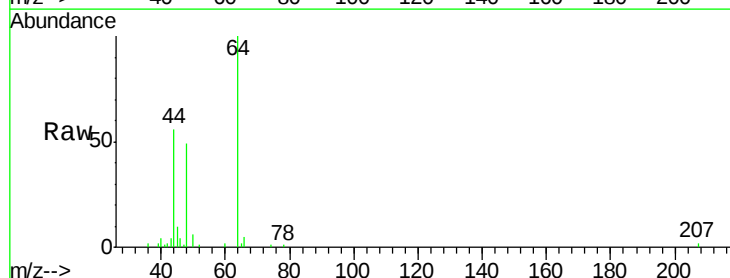
Acq: 15 Dec 2020 21:14

Tgt Ion: 50 Resp: 1016

Ion Ratio Lower Upper

50 100

52 20.7 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

400

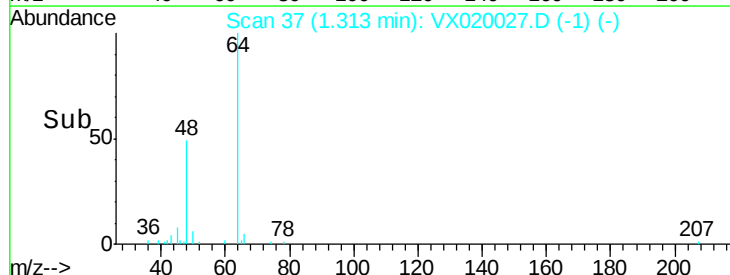
300

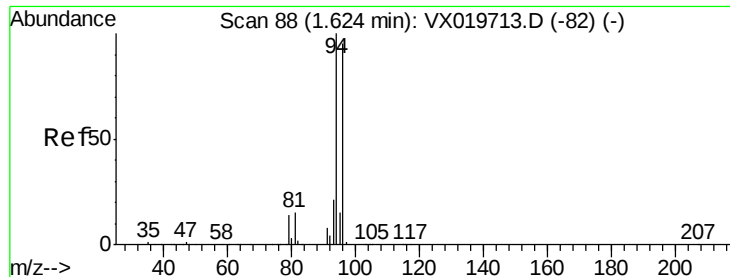
200

100

0

Time-->





#5

Bromomethane

Concen: 0.221 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

Instrument :

MSVOA_X

ClientSampleId :

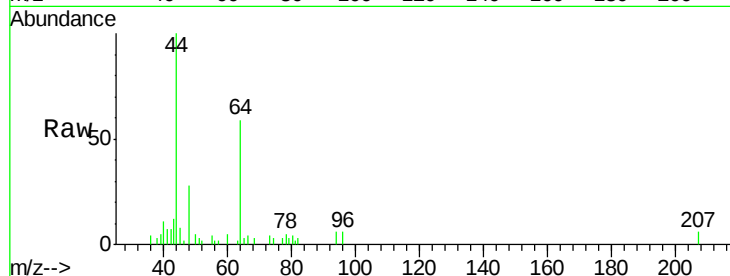
PB133610ZHE#09

Tgt Ion: 94 Resp: 254

Ion Ratio Lower Upper

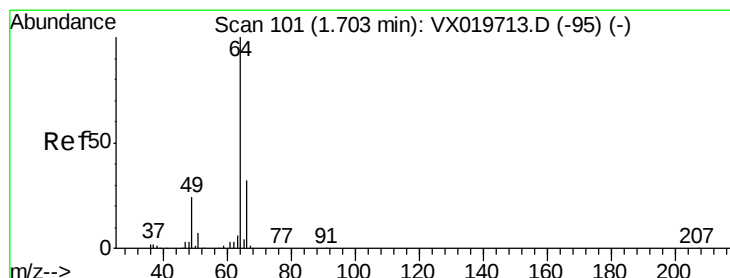
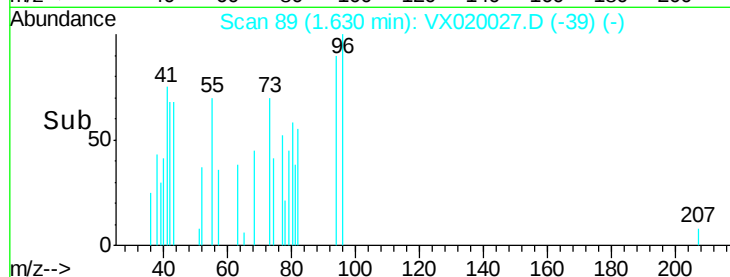
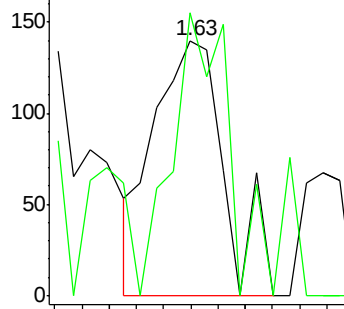
94 100

96 110.7 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.336 ug/l

RT: 1.61 min Scan# 86

Delta R.T. -0.09 min

Lab File: VX020027.D

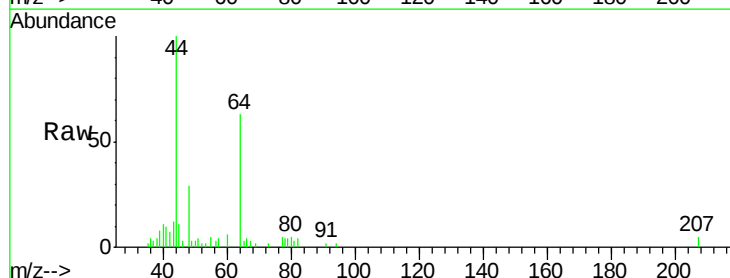
Acq: 15 Dec 2020 21:14

Tgt Ion: 64 Resp: 700

Ion Ratio Lower Upper

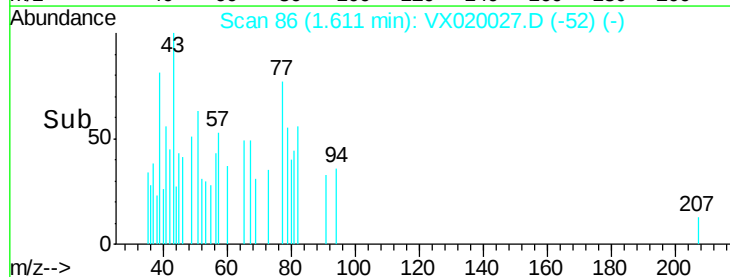
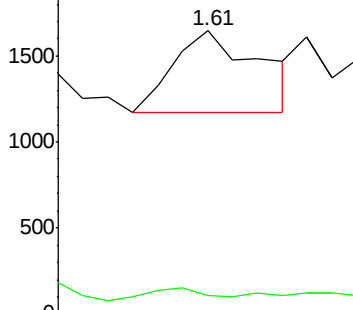
64 100

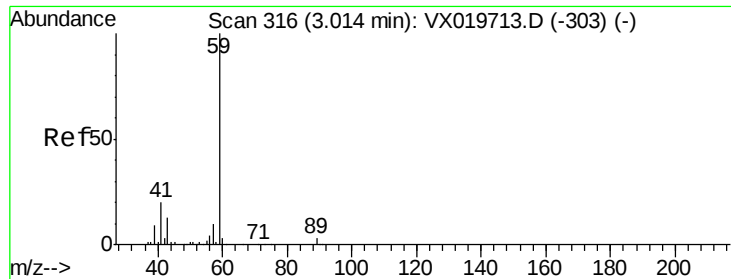
66 2.5 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

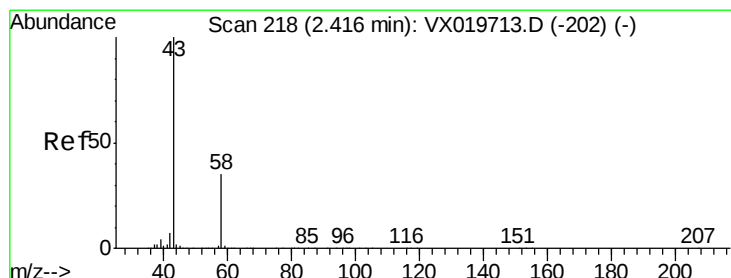
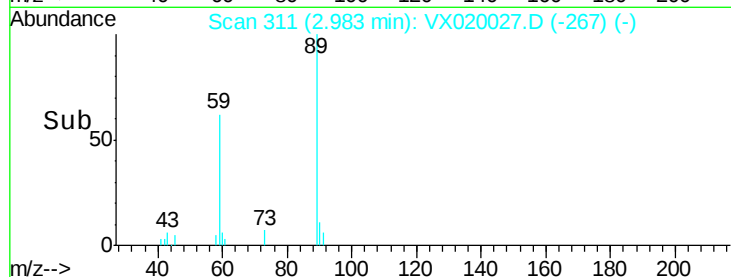
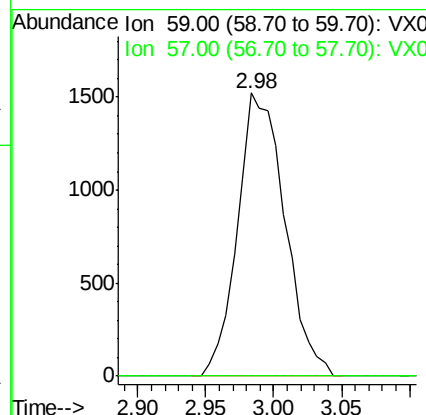
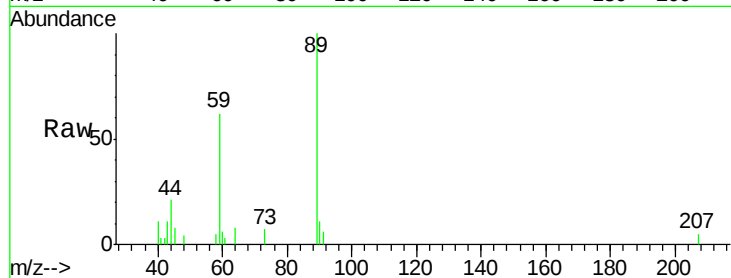




#11
Tert butyl alcohol
Concen: 1.868 ug/l
RT: 2.98 min Scan# 311
Delta R.T. -0.03 min
Lab File: VX020027.D
Acq: 15 Dec 2020 21:14

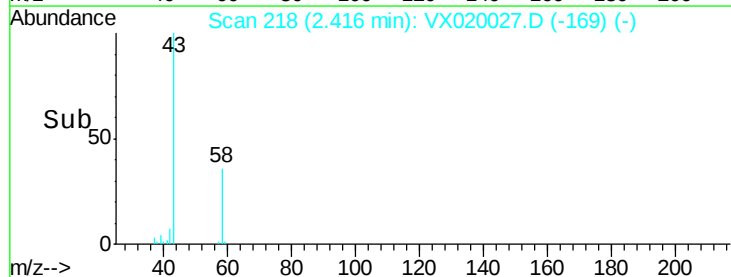
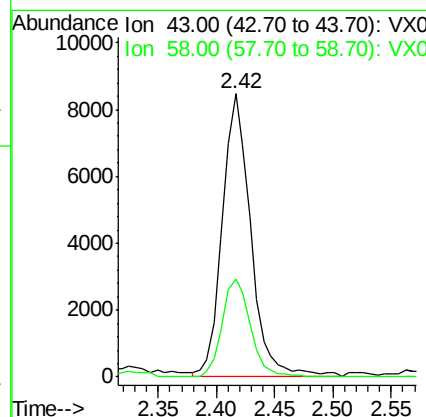
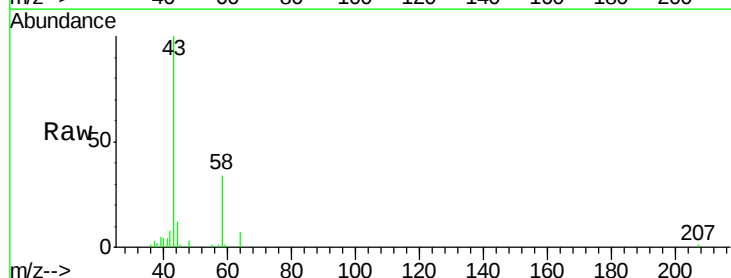
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#09

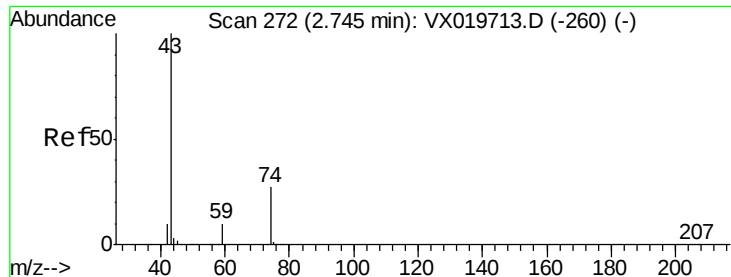
Tgt Ion: 59 Resp: 3682
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 9.521 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX020027.D
Acq: 15 Dec 2020 21:14

Tgt Ion: 43 Resp: 14365
Ion Ratio Lower Upper
43 100
58 34.4 27.8 41.8

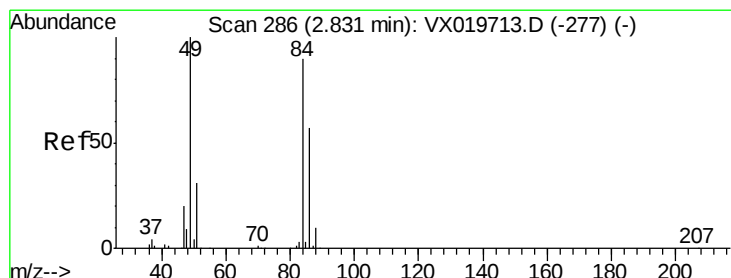
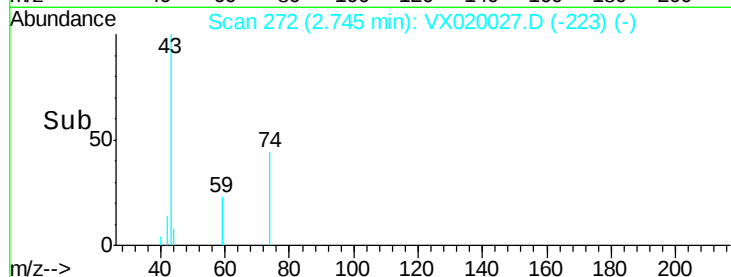
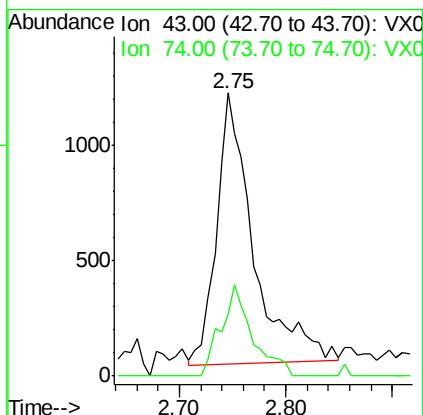
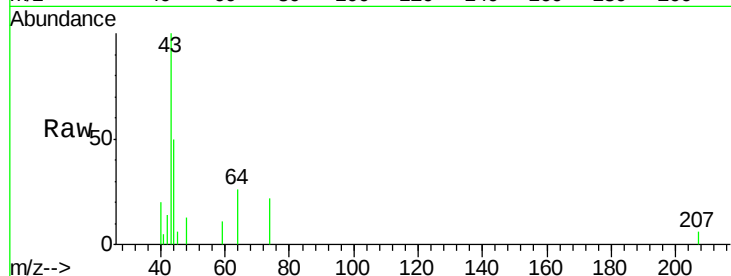




#18
Methyl Acetate
Concen: 0.759 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX020027.D
Acq: 15 Dec 2020 21:14

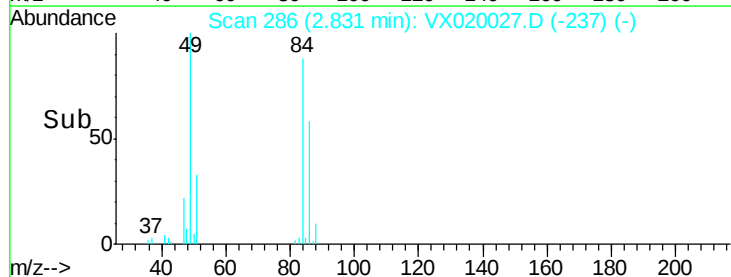
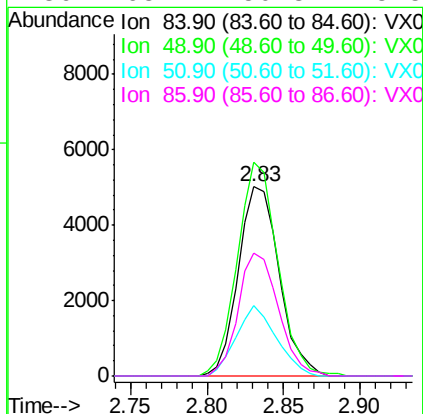
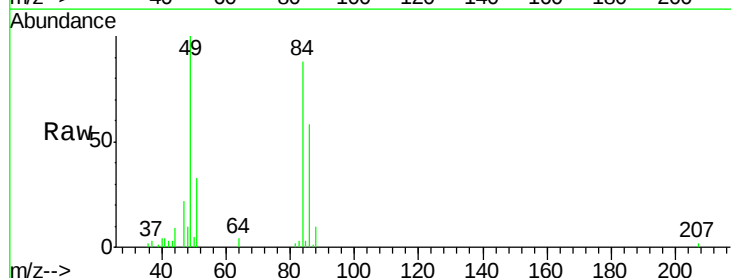
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#09

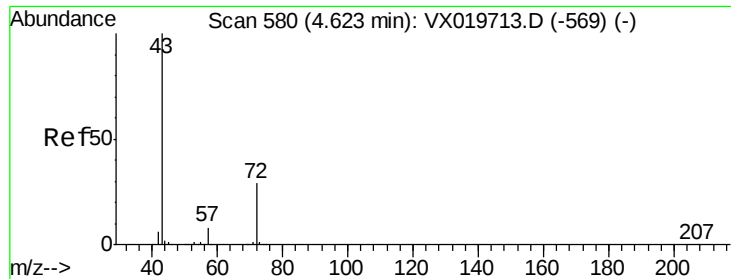
Tgt Ion: 43 Resp: 2803
Ion Ratio Lower Upper
43 100
74 28.9 21.9 32.9



#20
Methylene Chloride
Concen: 1.330 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020027.D
Acq: 15 Dec 2020 21:14

Tgt Ion: 84 Resp: 9348
Ion Ratio Lower Upper
84 100
49 113.1 88.6 132.8
51 37.5 27.0 40.6
86 65.1 50.3 75.5





#25

2-Butanone

Concen: 1.561 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.02 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

Instrument :

MSVOA_X

ClientSampleId :

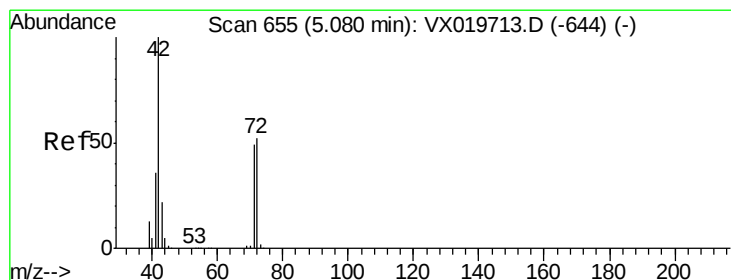
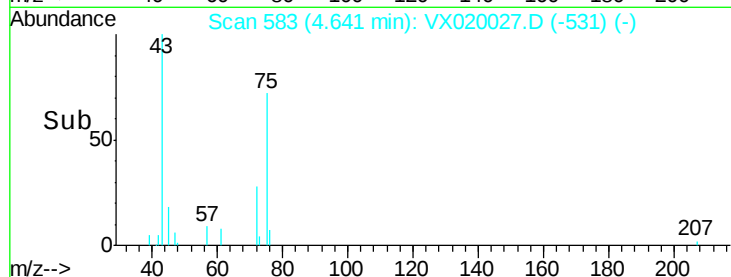
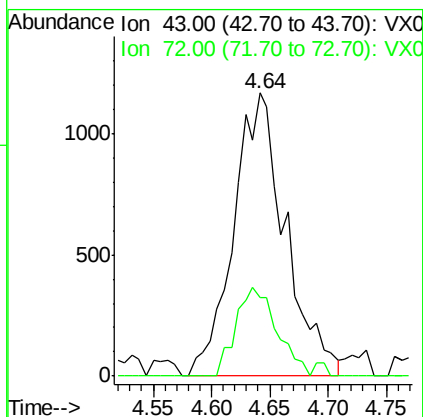
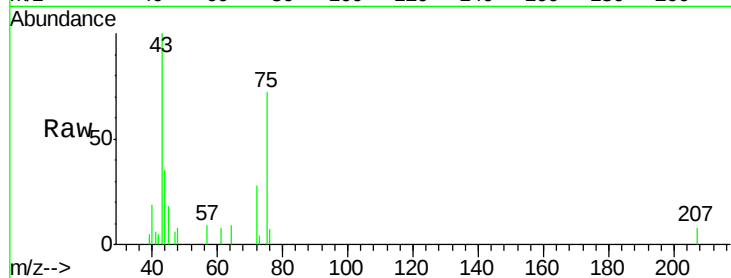
PB133610ZHE#09

Tgt Ion: 43 Resp: 3618

Ion Ratio Lower Upper

43 100

72 27.8 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.306 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

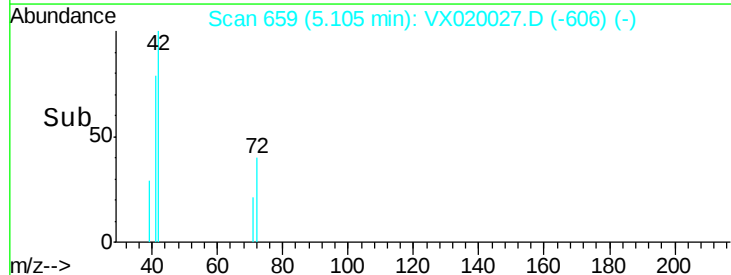
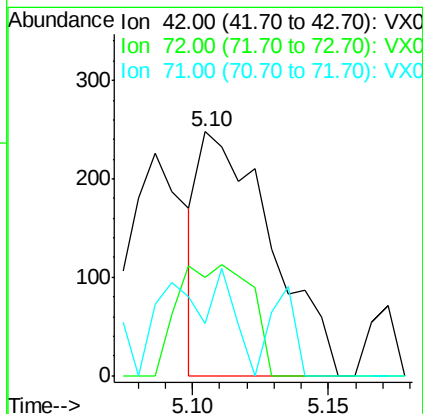
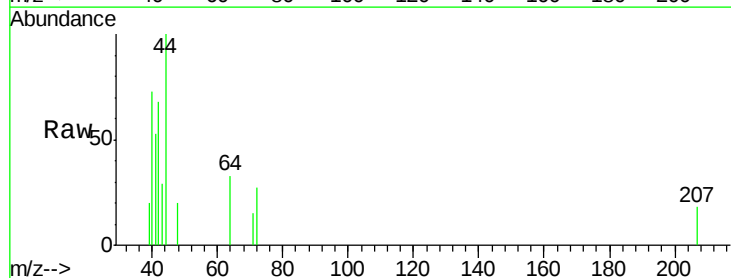
Tgt Ion: 42 Resp: 457

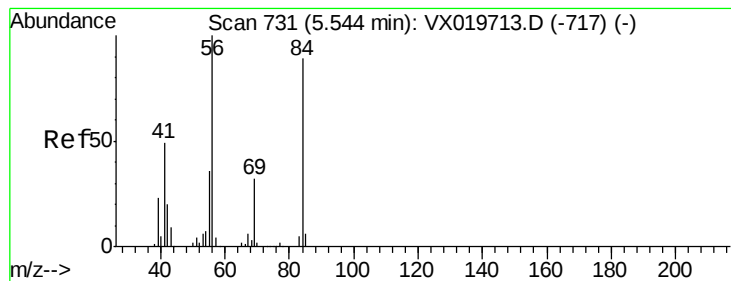
Ion Ratio Lower Upper

42 100

72 46.2 41.7 62.5

71 41.1 38.4 57.6





#31

Cyclohexane

Concen: 1.199 ug/l

RT: 5.62 min Scan# 743

Delta R.T. 0.07 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#09

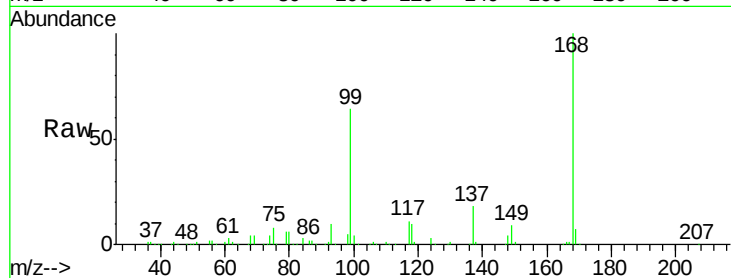
Tgt Ion: 56 Resp: 5985

Ion Ratio Lower Upper

56 100

69 176.2 25.3 37.9#

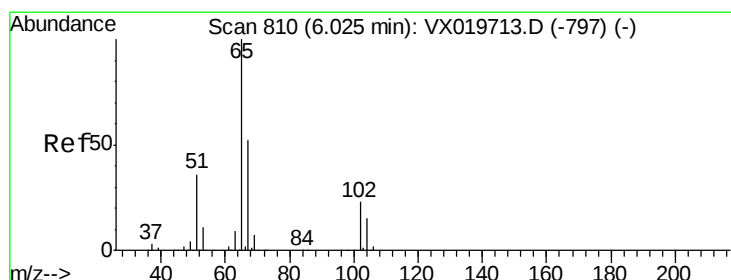
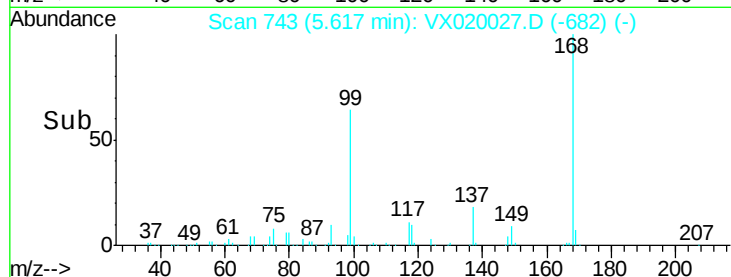
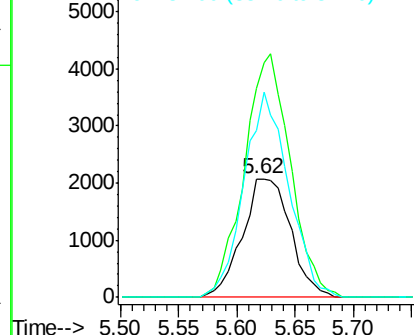
84 141.0 71.4 107.0#



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



#33

1,2-Dichloroethane-d4

Concen: 49.399 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX020027.D

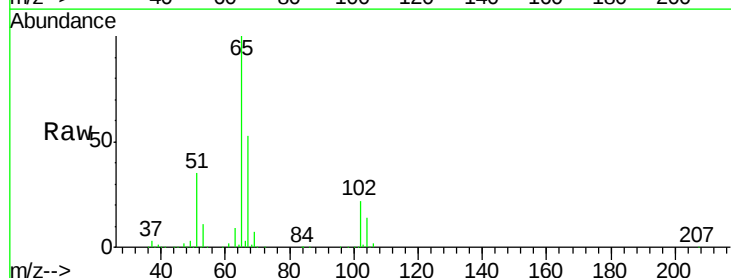
Acq: 15 Dec 2020 21:14

Tgt Ion: 65 Resp: 198278

Ion Ratio Lower Upper

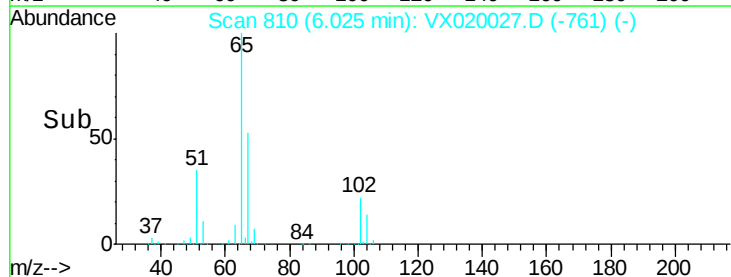
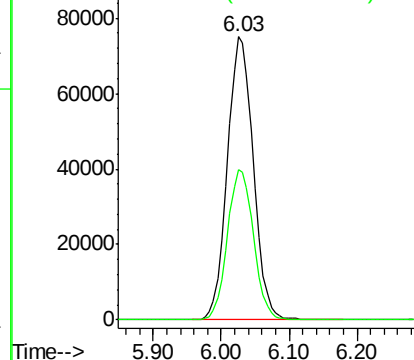
65 100

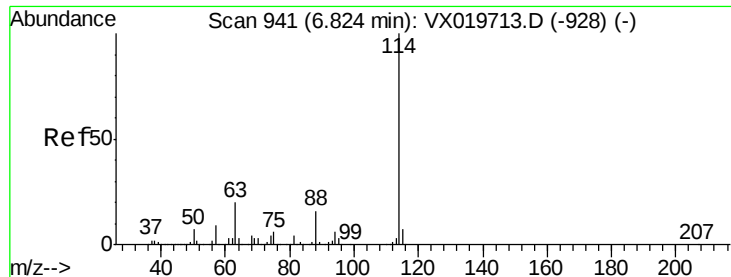
67 53.2 0.0 105.4



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: 6.82 min Scan# 941

Delta R.T. 0.00 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#09

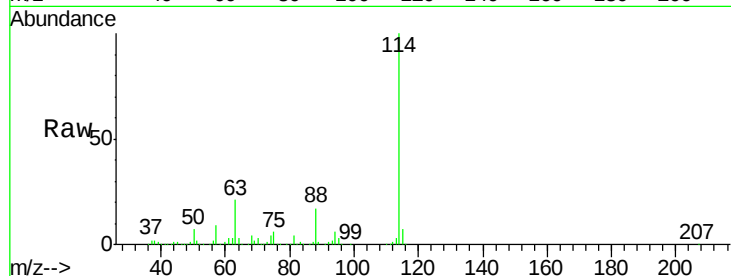
Tgt Ion:114 Resp: 513936

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

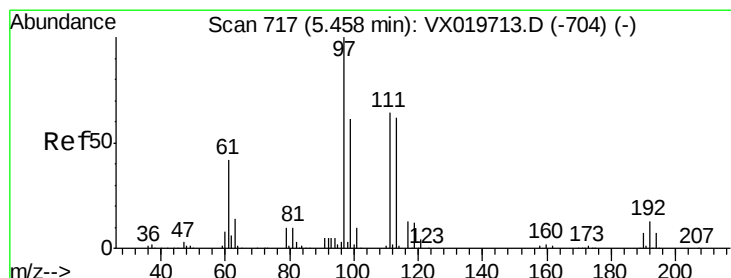
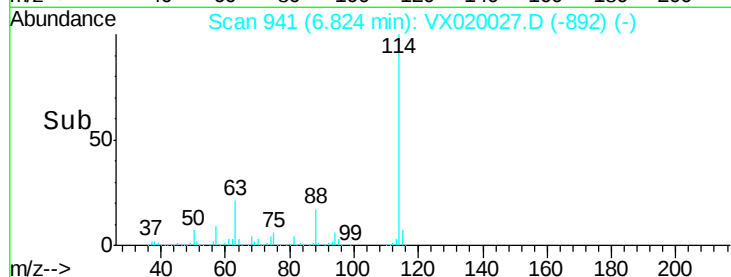
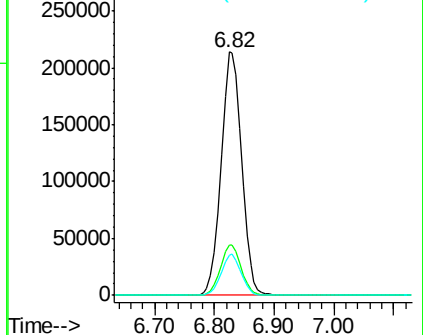
88 16.5 0.0 32.8



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: 48.349 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

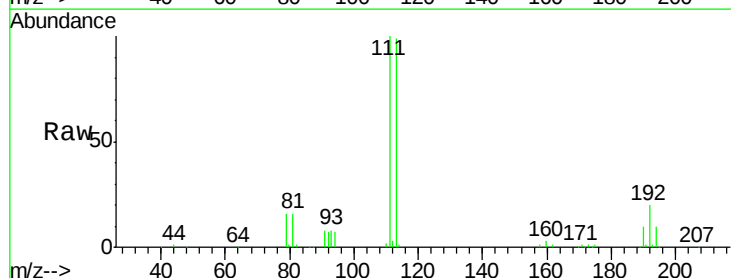
Tgt Ion:113 Resp: 160590

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

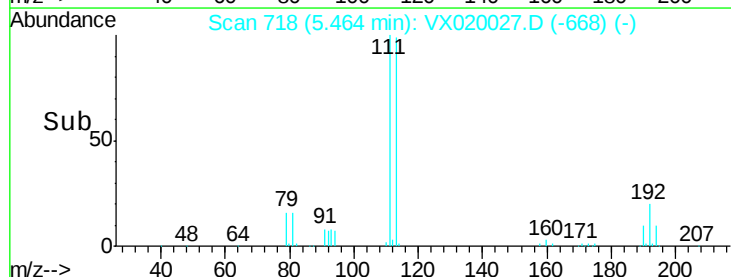
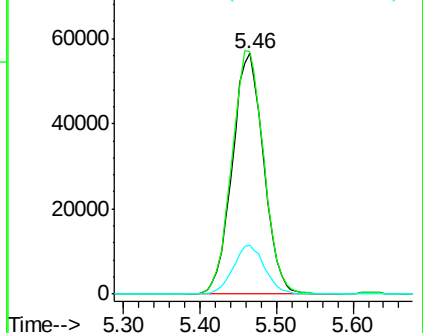
192 20.2 16.7 25.1

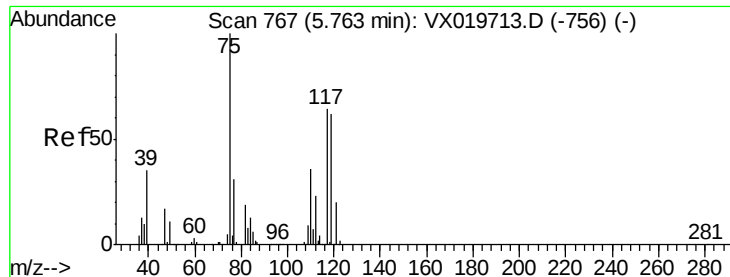


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.109 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#09

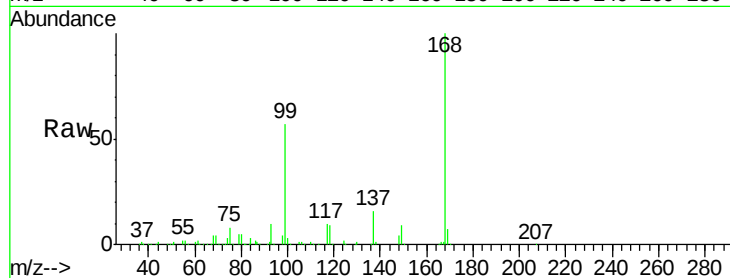
Tgt Ion: 75 Resp: 23729

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

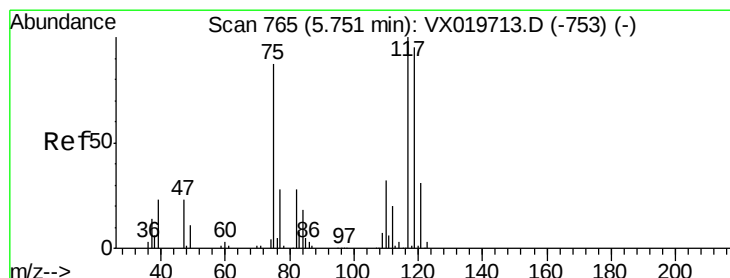
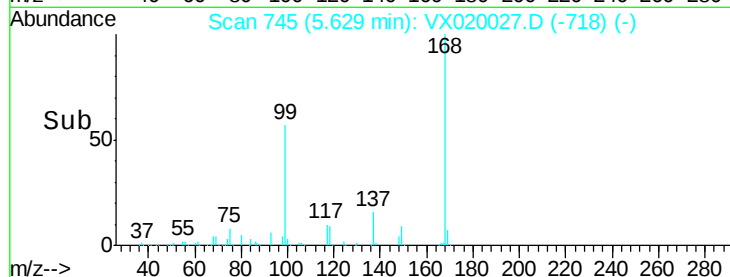
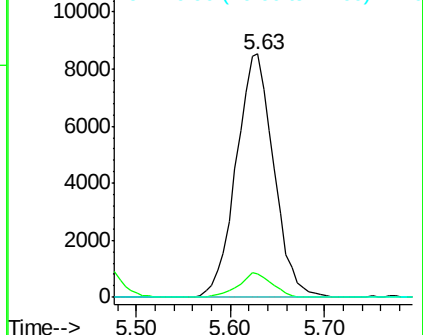
77 0.0 25.3 37.9#



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: 6.599 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

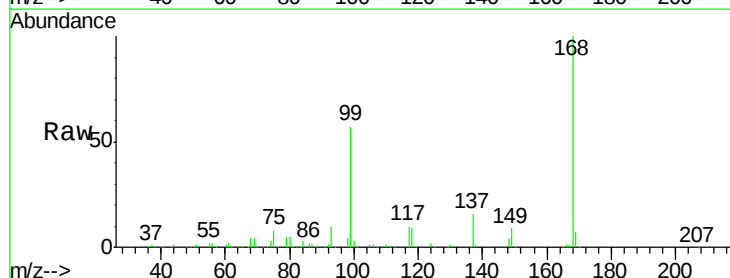
Tgt Ion: 117 Resp: 30010

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

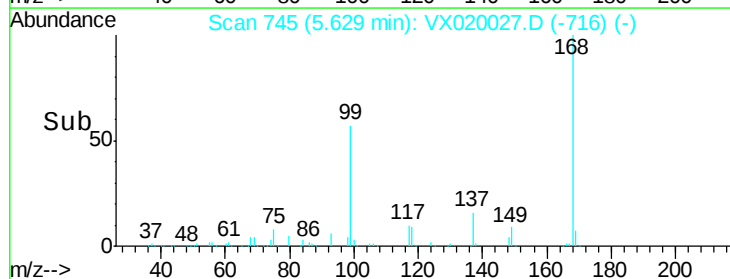
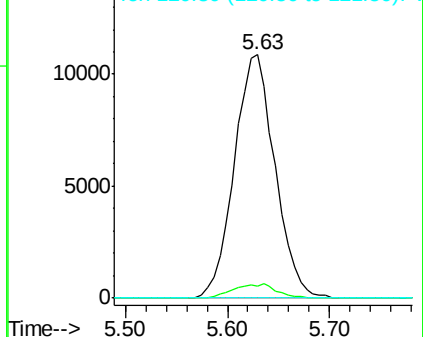
121 0.0 24.8 37.2#

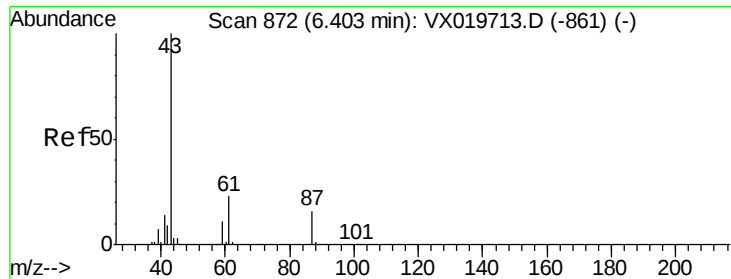


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 3.436 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

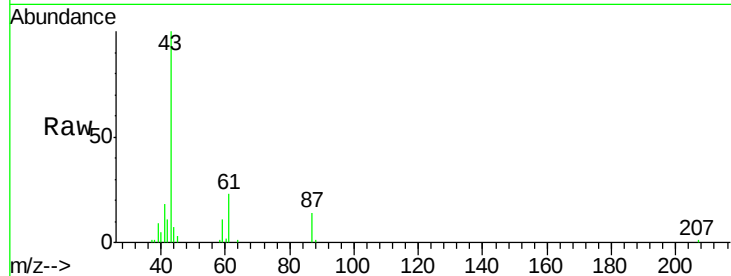
Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#09

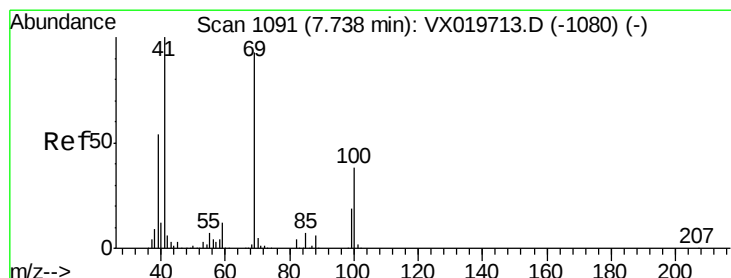
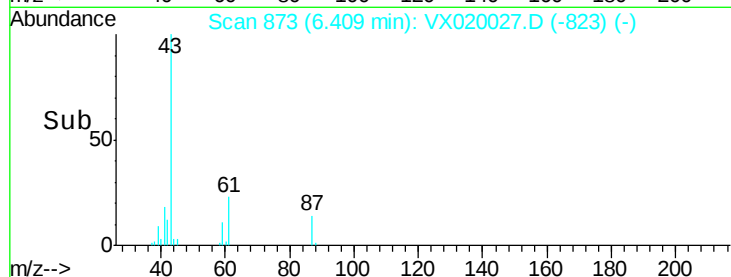
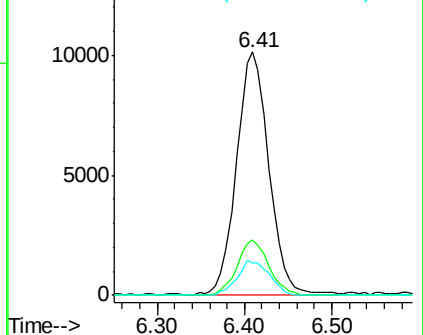
Tgt Ion:	43	Resp:	26191
Ion	Ratio	Lower	Upper
43	100		
61	22.0	18.2	27.4
87	14.2	12.5	18.7



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: 1.875 ug/l

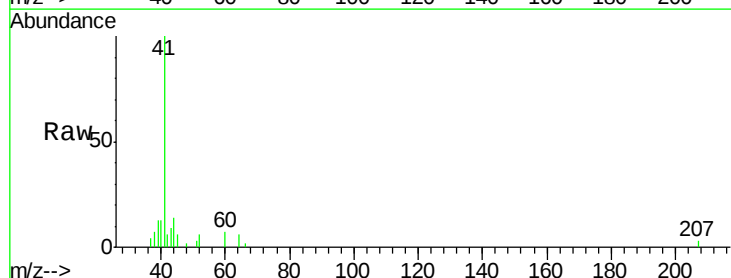
RT: 7.65 min Scan# 1076

Delta R.T. -0.09 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

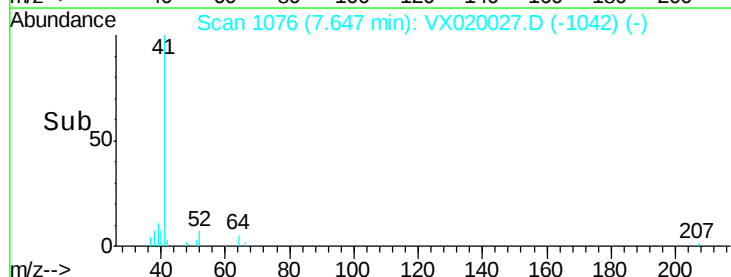
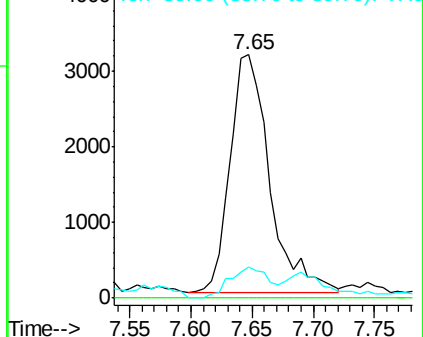
Tgt Ion:	41	Resp:	7031
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

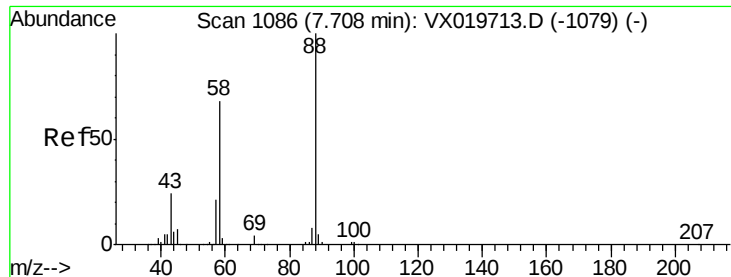


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 2.764 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.14 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#09

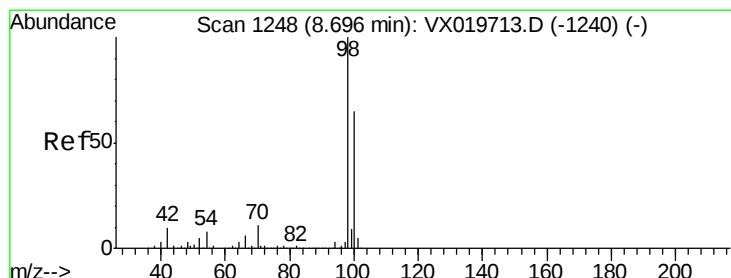
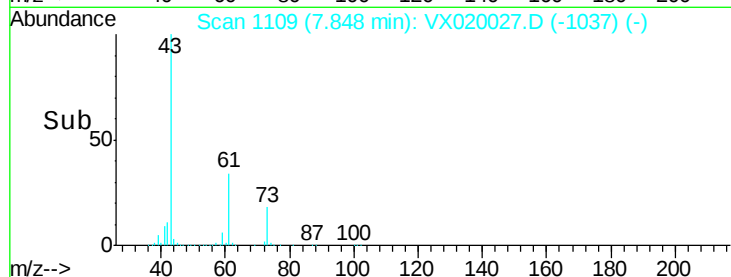
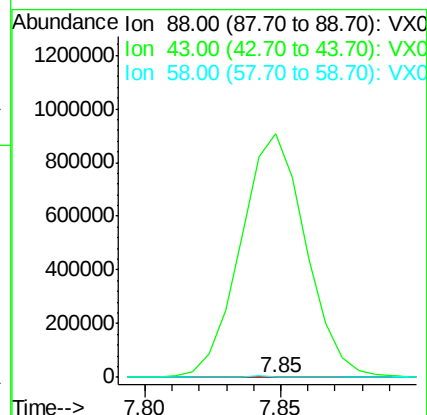
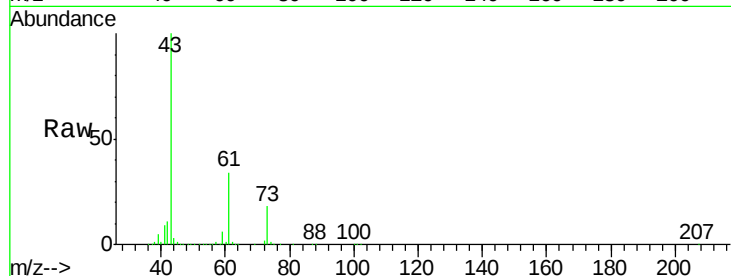
Tgt Ion: 88 Resp: 251

Ion Ratio Lower Upper

88 100

43 602535.1 23.2 34.8#

58 3088.4 55.0 82.4#



#50

Toluene-d8

Concen: 49.907 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX020027.D

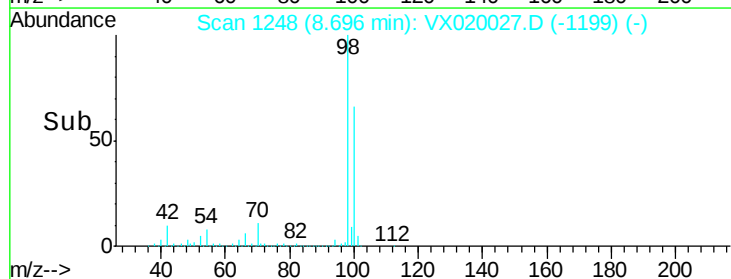
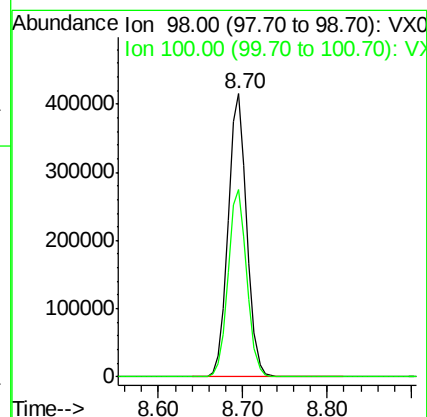
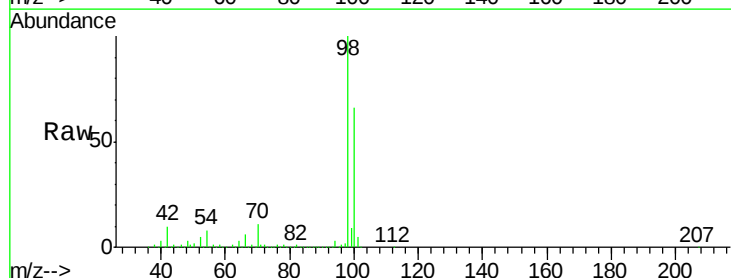
Acq: 15 Dec 2020 21:14

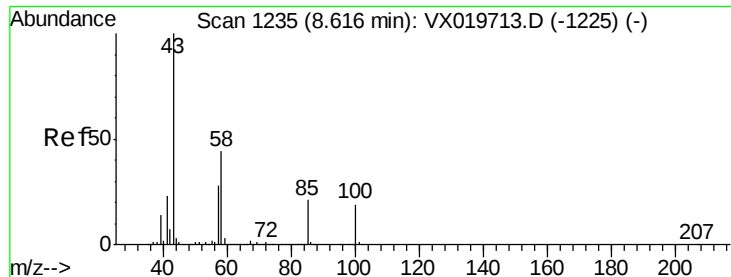
Tgt Ion: 98 Resp: 632846

Ion Ratio Lower Upper

98 100

100 66.4 51.9 77.9

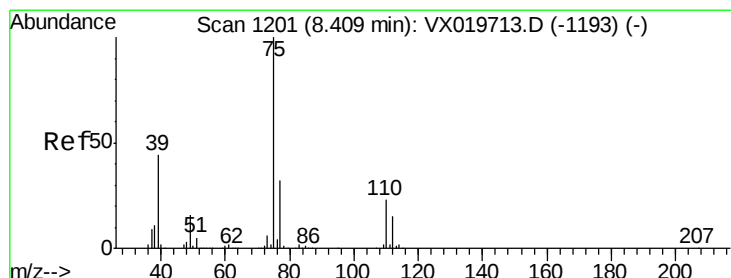
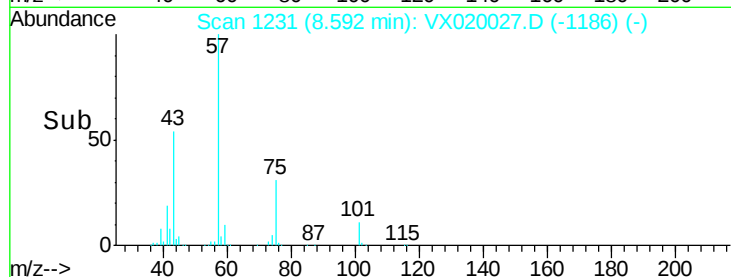
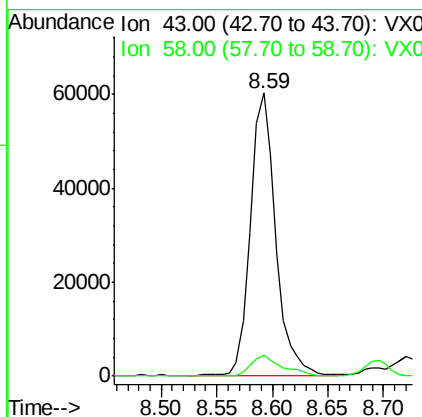
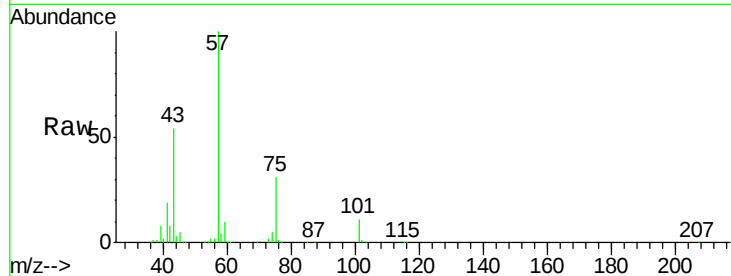




#51
 4-Methyl-2-Pentanone
 Concen: 20.375 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: VX020027.D
 Acq: 15 Dec 2020 21:14

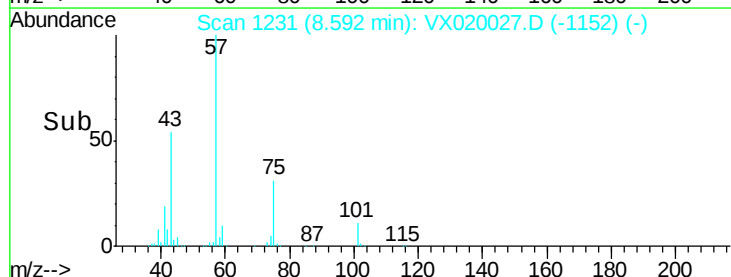
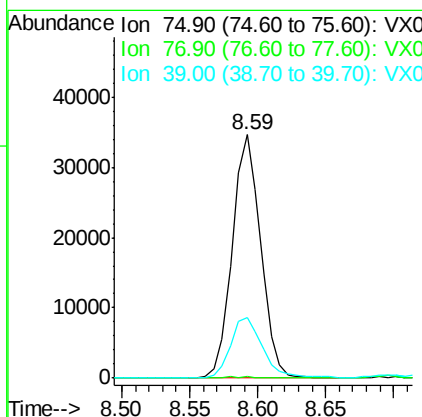
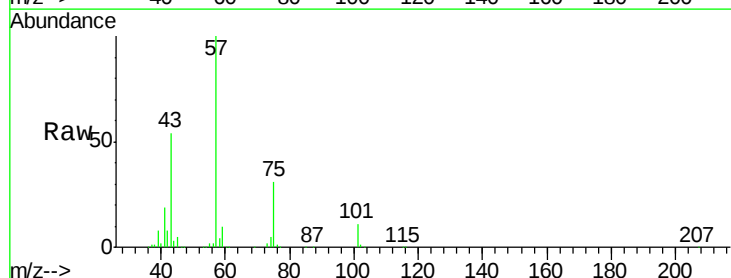
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#09

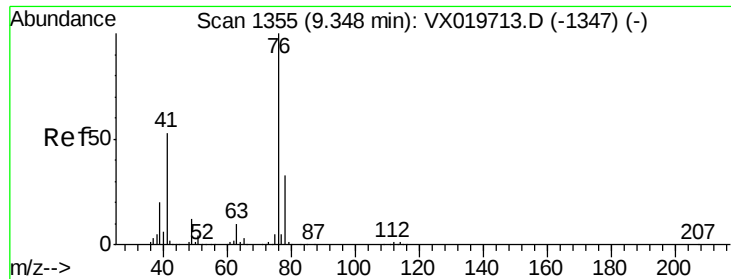
Tgt Ion: 43 Resp: 94829
 Ion Ratio Lower Upper
 43 100
 58 9.1 35.4 53.0#



#54
 cis-1,3-Dichloropropene
 Concen: 8.787 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX020027.D
 Acq: 15 Dec 2020 21:14

Tgt Ion: 75 Resp: 50330
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 25.1 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 5.088 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.18 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

Instrument :

MSVOA_X

ClientSampleId :

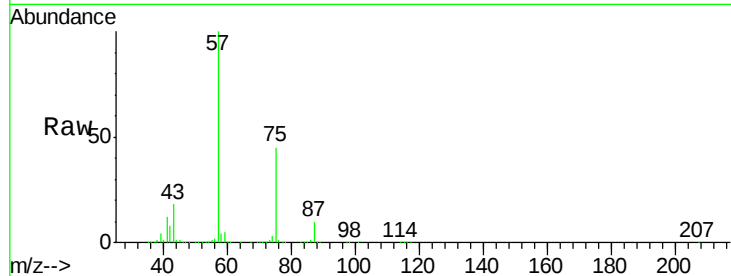
PB133610ZHE#09

Tgt Ion: 76 Resp: 31067

Ion Ratio Lower Upper

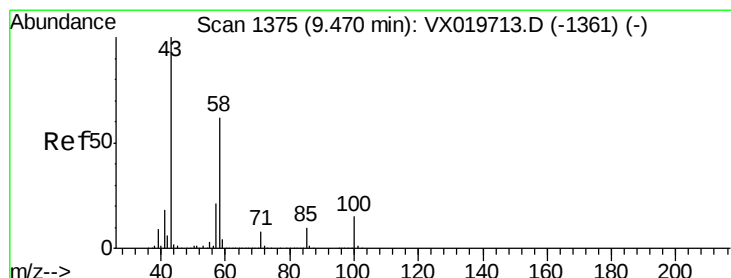
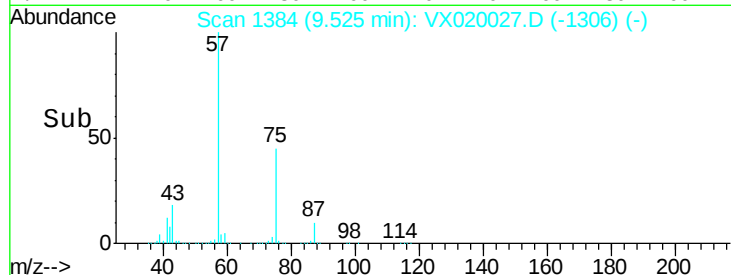
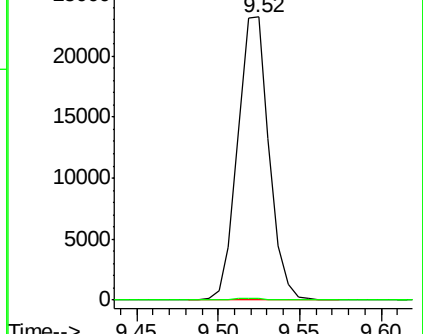
76 100

78 0.7 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 106.157 ug/l

RT: 9.52 min Scan# 1383

Delta R.T. 0.05 min

Lab File: VX020027.D

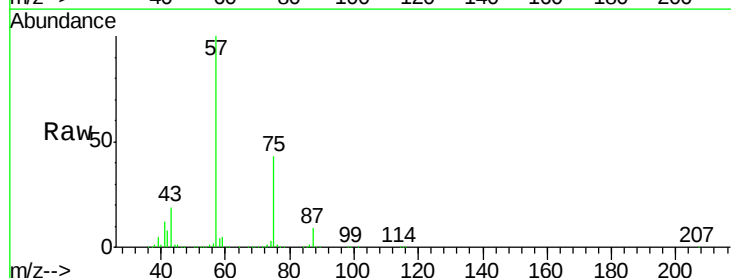
Acq: 15 Dec 2020 21:14

Tgt Ion: 43 Resp: 382982

Ion Ratio Lower Upper

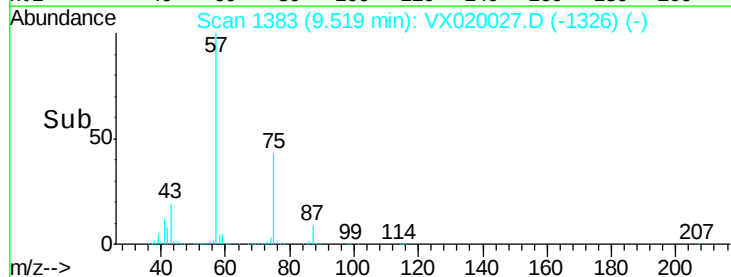
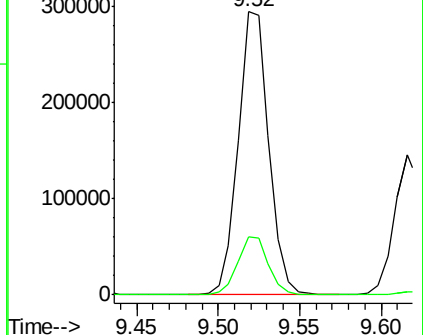
43 100

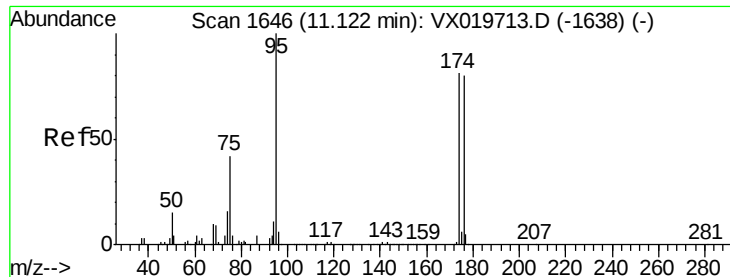
58 20.5 30.9 92.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.270 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.01 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#09

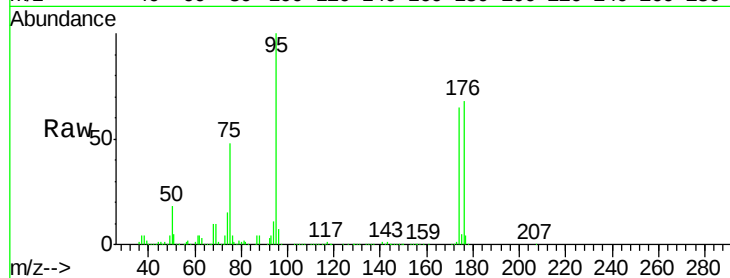
Tgt Ion: 95 Resp: 223317

Ion Ratio Lower Upper

95 100

174 76.4 0.0 154.6

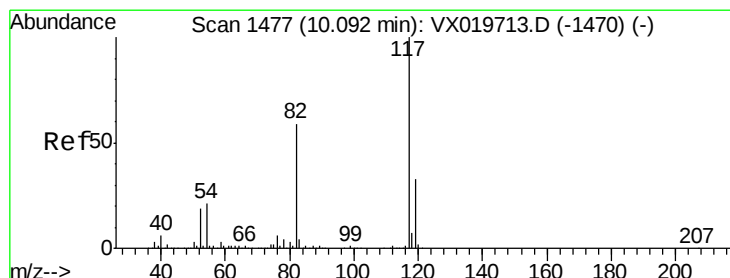
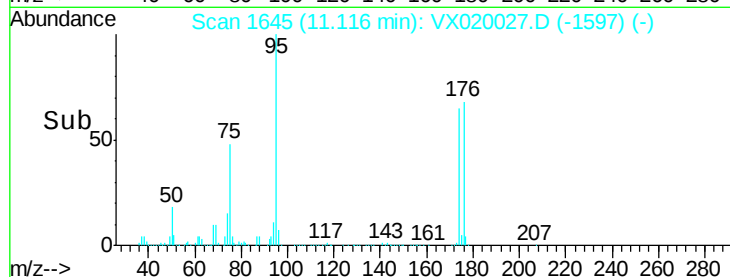
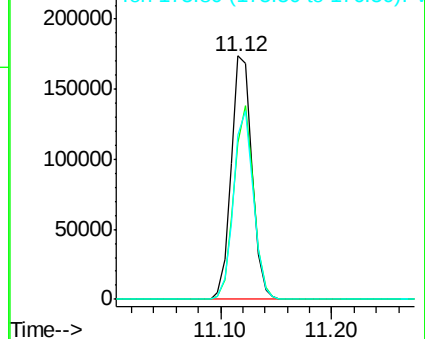
176 74.9 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

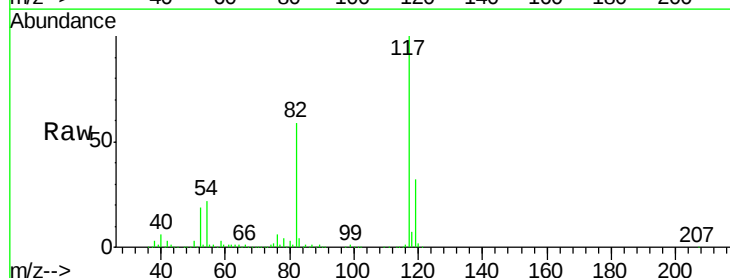
Tgt Ion: 117 Resp: 477180

Ion Ratio Lower Upper

117 100

82 59.1 47.4 71.2

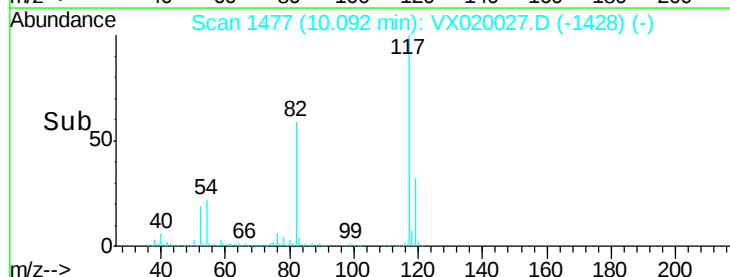
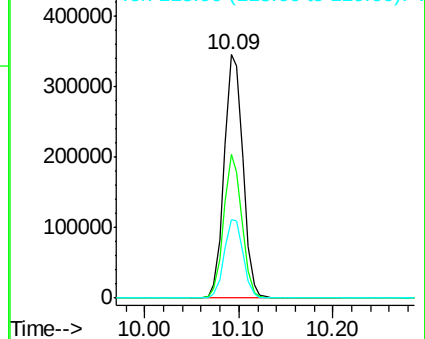
119 32.2 26.6 39.8

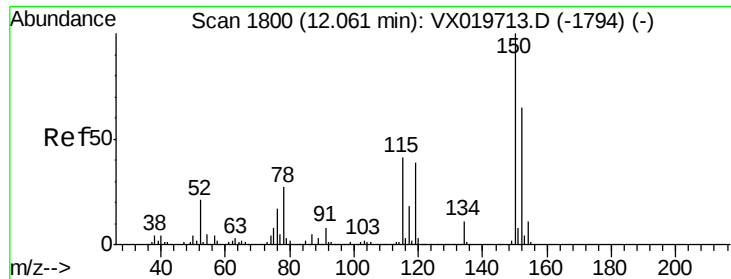


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

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: VX020027.D

Acq: 15 Dec 2020 21:14

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#09

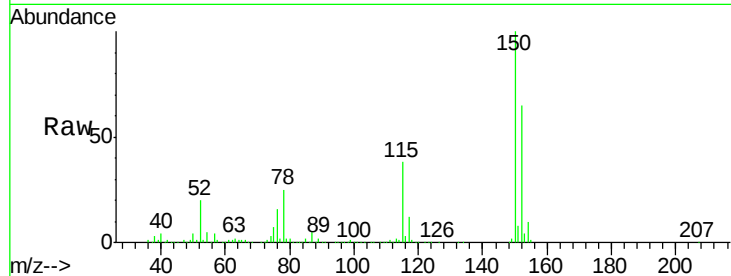
Tgt Ion:152 Resp: 206469

Ion Ratio Lower Upper

152 100

115 60.2 41.1 123.3

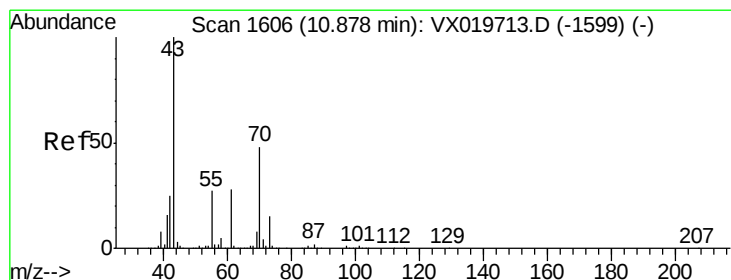
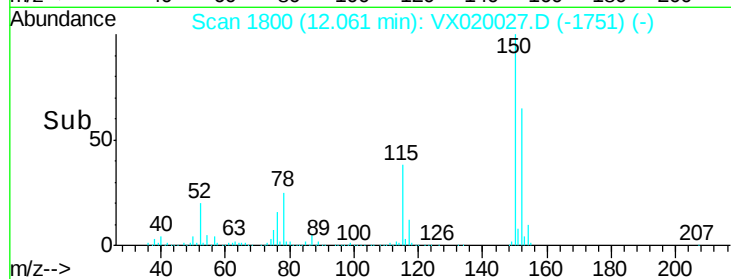
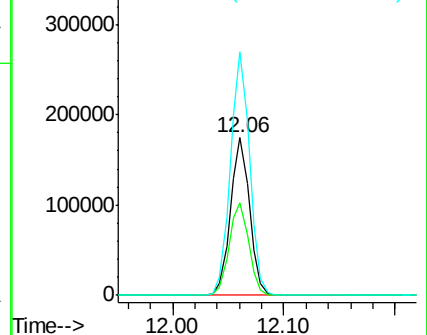
150 155.3 0.0 349.0



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



#74

N-ethyl acetate

Concen: 3.034 ug/l

RT: 10.68 min Scan# 1573

Delta R.T. -0.20 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

Tgt Ion: 43 Resp: 17148

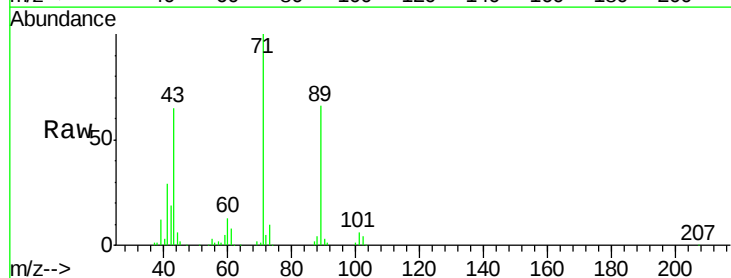
Ion Ratio Lower Upper

43 100

70 2.0 39.0 58.6#

55 5.0 21.5 32.3#

61 12.2 22.1 33.1#

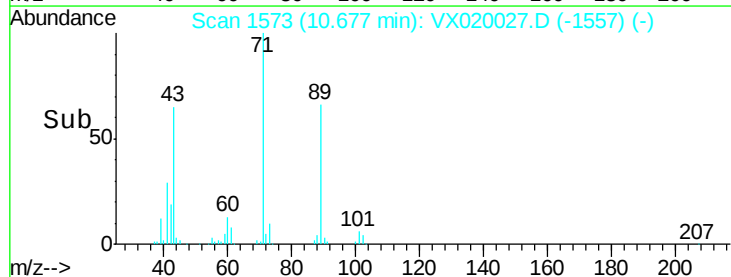
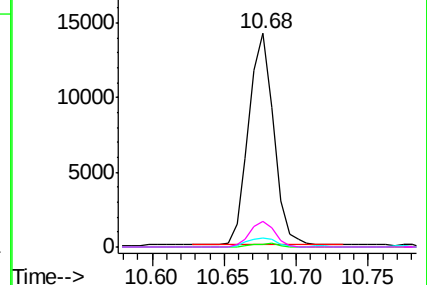


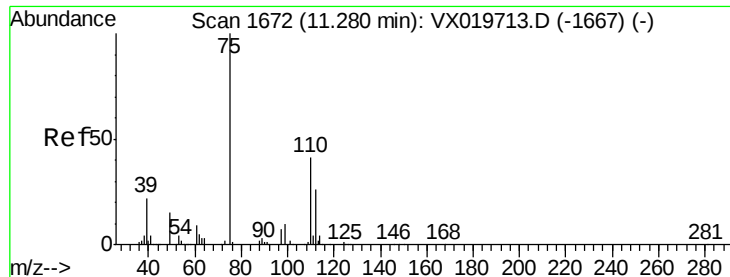
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

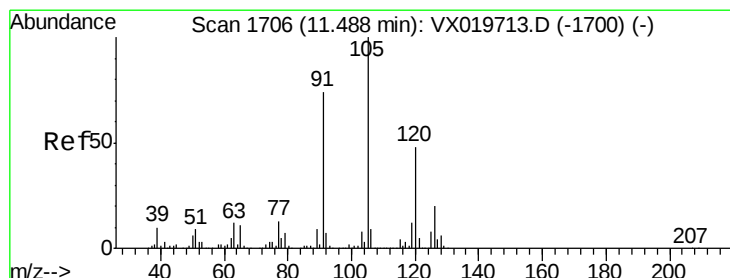
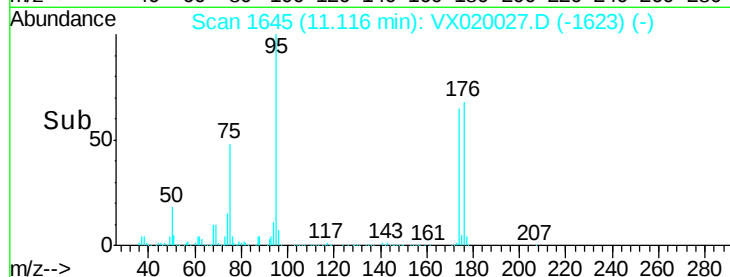
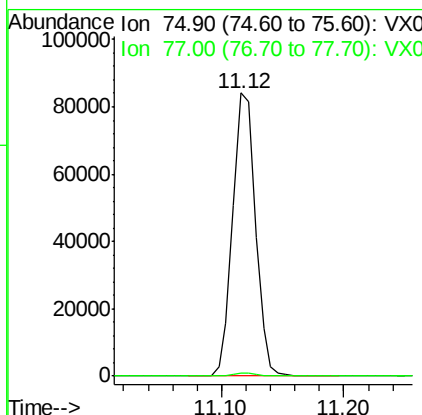
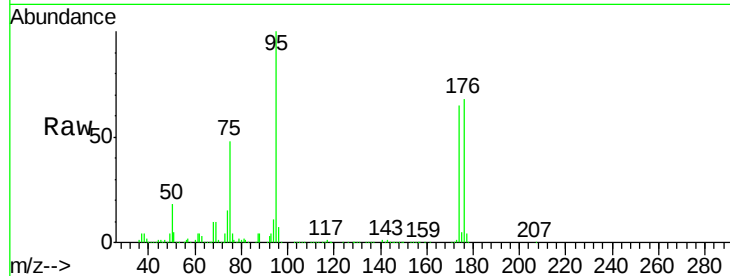




#76
 1,2,3-Trichloropropane
 Concen: 23.339 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. -0.16 min
 Lab File: VX020027.D
 Acq: 15 Dec 2020 21:14

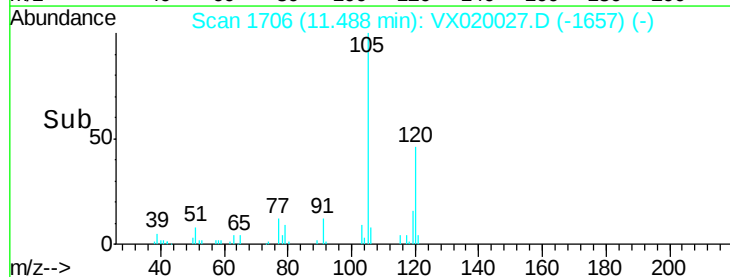
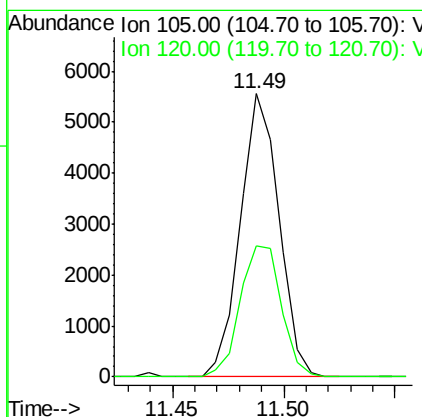
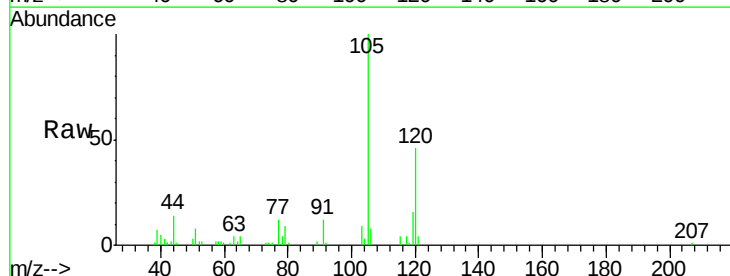
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#09

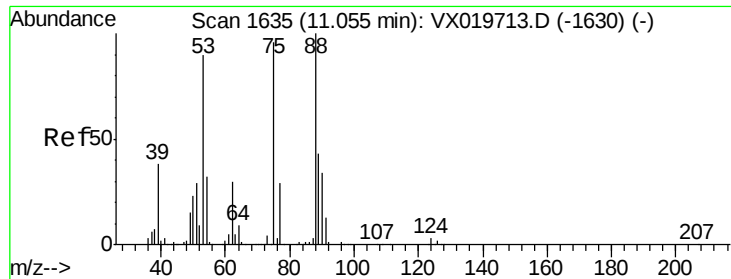
Tgt Ion: 75 Resp: 108076
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.565 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX020027.D
 Acq: 15 Dec 2020 21:14

Tgt Ion: 105 Resp: 6730
 Ion Ratio Lower Upper
 105 100
 120 49.4 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 67.468 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX020027.D

Acq: 15 Dec 2020 21:14

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#09

Tgt Ion: 75 Resp: 108076

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

