

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020026.D
 Acq On : 15 Dec 2020 20:50
 Operator : JC/MD
 Sample : PB133610ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#08

Quant Time: Dec 16 00:30:25 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	299442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	503209	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	466536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195288	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	194743	49.48	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.96%	
35) Dibromofluoromethane		5.46	113	158429	48.71	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.42%	
50) Toluene-d8		8.70	98	618363	49.80	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.60%	
62) 4-Bromofluorobenzene		11.12	95	211076	44.67	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.34%	

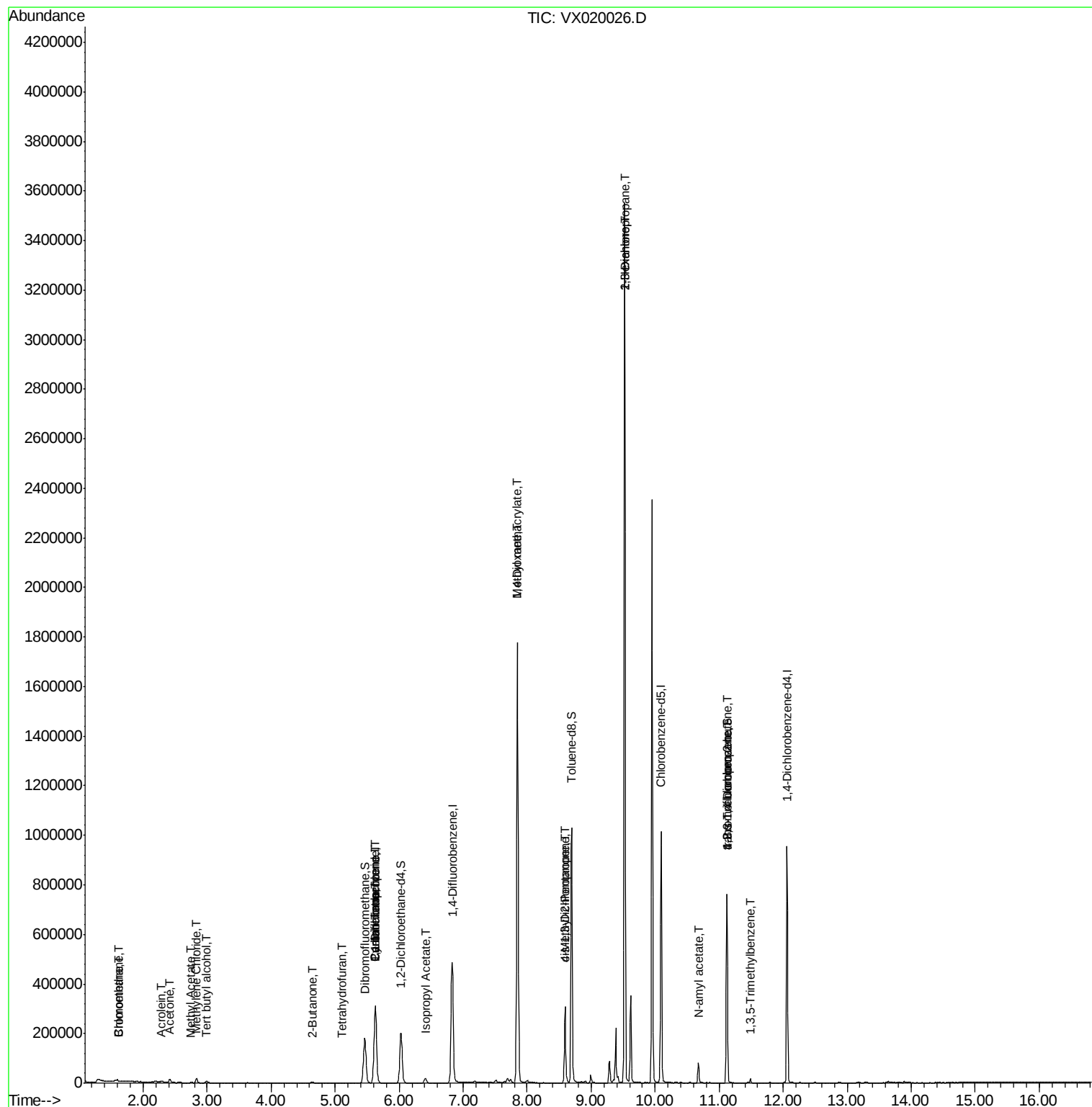
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	518	0.459	ug/l #	68
6) Chloroethane	1.63	64	1280	0.627	ug/l #	43
11) Tert butyl alcohol	2.99	59	4338	2.777	ug/l #	73
13) Acrolein	2.28	56	128	0.295	ug/l #	14
16) Acetone	2.42	43	13324	9.007	ug/l	100
18) Methyl Acetate	2.75	43	3199	0.884	ug/l	95
20) Methylene Chloride	2.84	84	9068	1.300	ug/l	98
25) 2-Butanone	4.64	43	3605	1.586	ug/l	95
29) Tetrahydrofuran	5.10	42	744	0.508	ug/l #	78
31) Cyclohexane	5.63	56	5911	1.207	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23127	5.086	ug/l #	49
38) Carbon Tetrachloride	5.63	117	29493	6.623	ug/l #	17
43) Isopropyl Acetate	6.41	43	25509	3.418	ug/l	99
48) Methyl methacrylate	7.85	41	142975	38.947	ug/l #	36
49) 1,4-Dioxane	7.85	88	241	2.710	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	93505	20.518	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	50224	8.955	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	31619	5.289	ug/l #	43
59) 2-Hexanone	9.52	43	382435	108.265	ug/l #	46
74) N-amyl acetate	10.68	43	17361	3.247	ug/l #	50
76) 1,2,3-Trichloropropane	11.12	75	102724	23.453	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.49	105	6719	0.597	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	102724	67.799	ug/l #	12

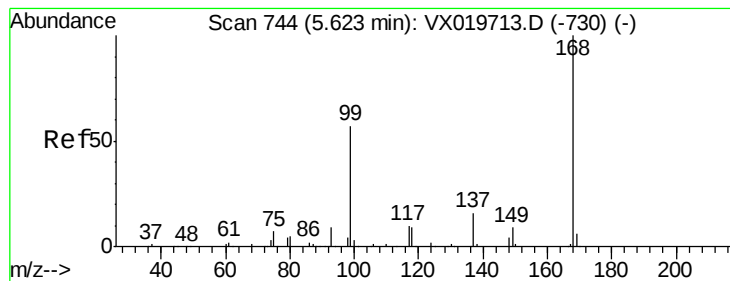
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
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Misc : 5.0mL/MSVOA_X/WATER
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Quant Time: Dec 16 00:30:25 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: VX020026.D

Acq: 15 Dec 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

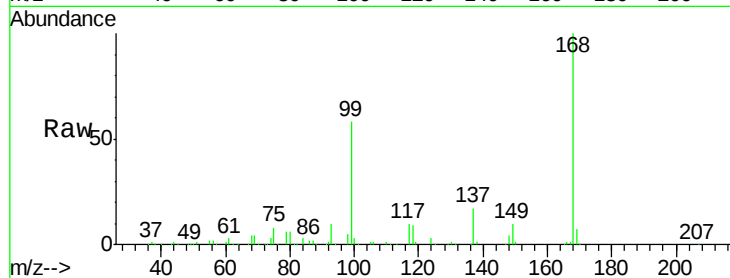
PB133610ZHE#08

Tgt Ion:168 Resp: 299442

Ion Ratio Lower Upper

168 100

99 58.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

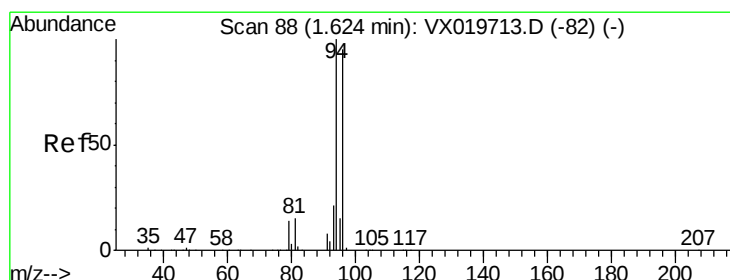
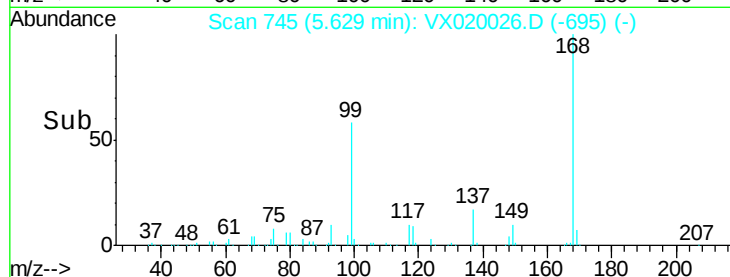
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.459 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX020026.D

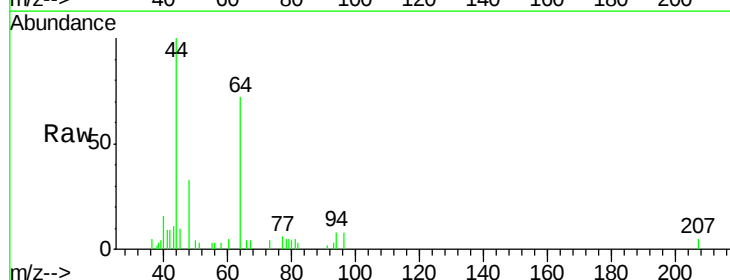
Acq: 15 Dec 2020 20:50

Tgt Ion: 94 Resp: 518

Ion Ratio Lower Upper

94 100

96 64.0 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

200

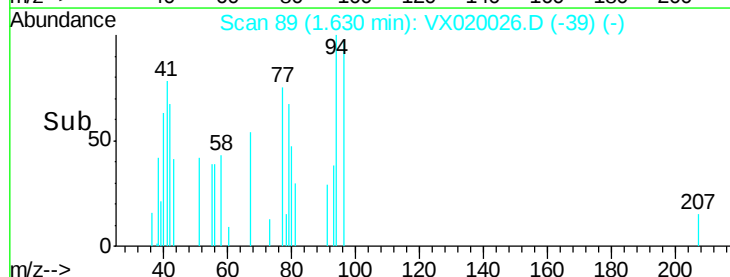
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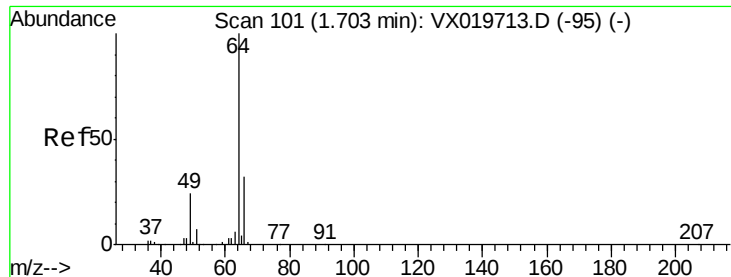
100

50

0

Time-->





#6

Chloroethane

Concen: 0.627 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.07 min

Lab File: VX020026.D

Acq: 15 Dec 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

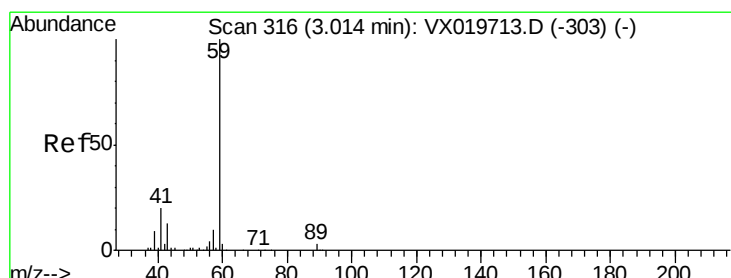
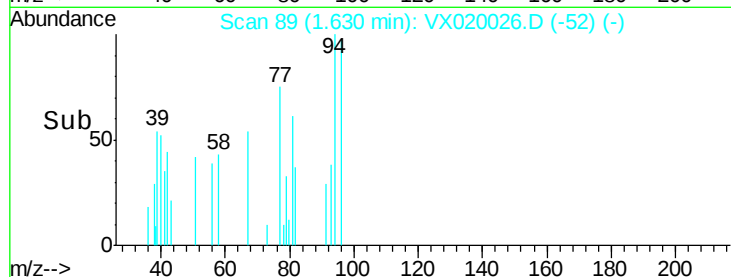
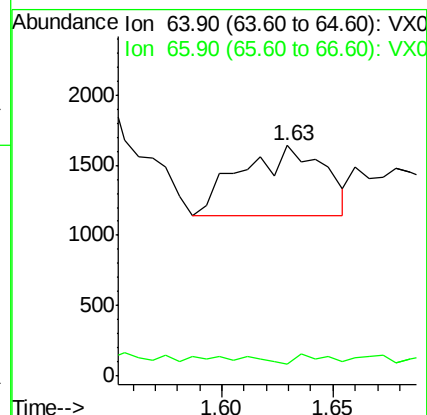
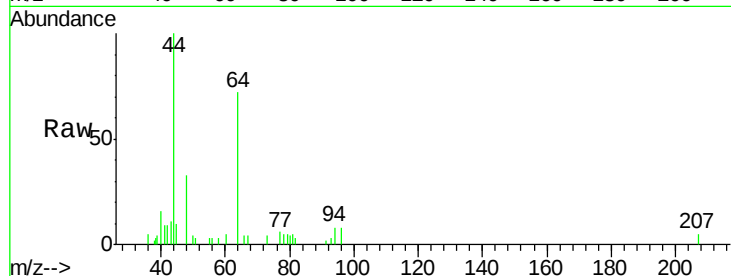
PB133610ZHE#08

Tgt Ion: 64 Resp: 1280

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



#11

Tert butyl alcohol

Concen: 2.777 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX020026.D

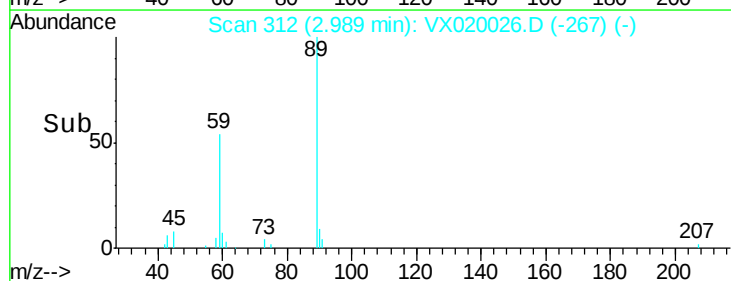
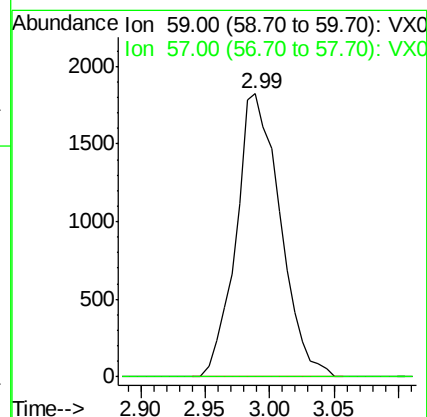
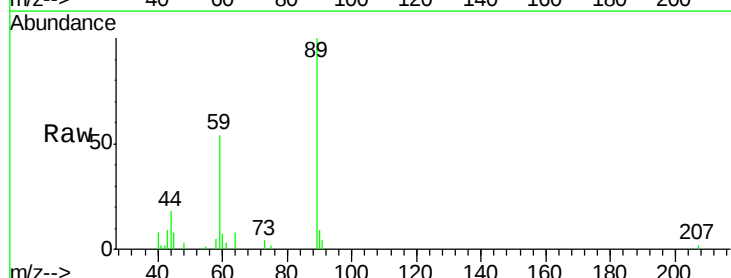
Acq: 15 Dec 2020 20:50

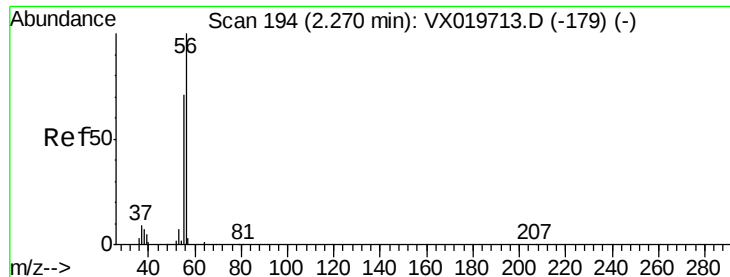
Tgt Ion: 59 Resp: 4338

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.295 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX020026.D

Acq: 15 Dec 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

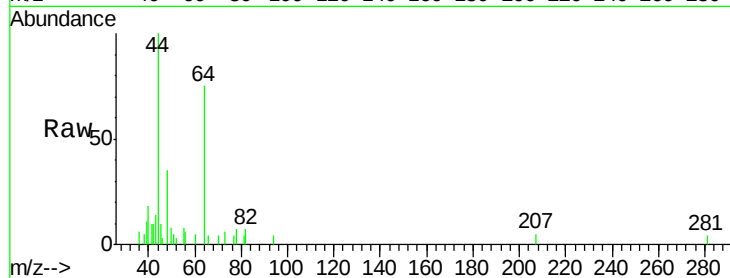
PB133610ZHE#08

Tgt Ion: 56 Resp: 128

Ion Ratio Lower Upper

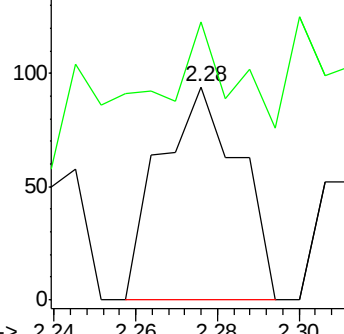
56 100

55 0.0 56.4 84.6#

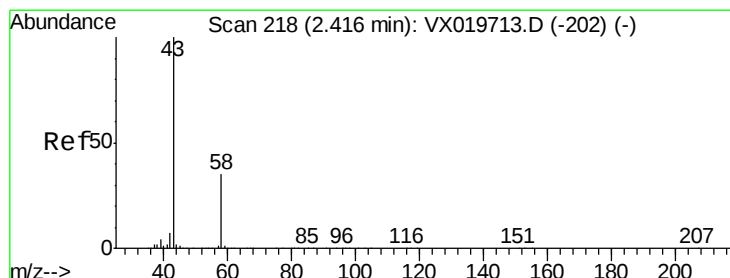
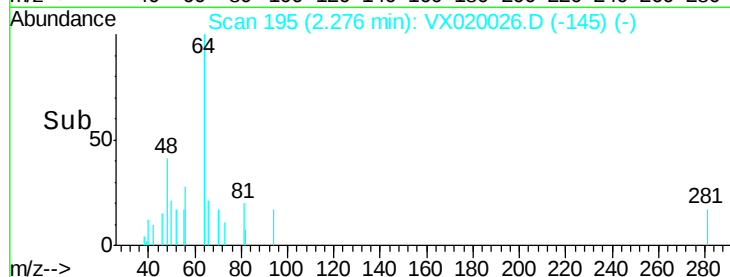


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 9.007 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020026.D

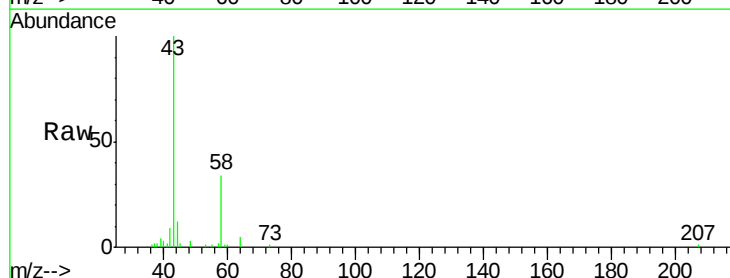
Acq: 15 Dec 2020 20:50

Tgt Ion: 43 Resp: 13324

Ion Ratio Lower Upper

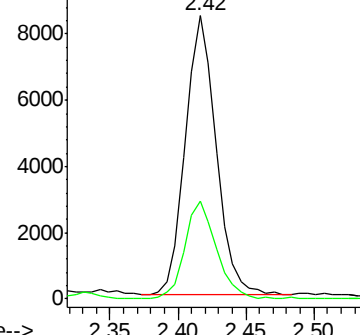
43 100

58 34.9 27.8 41.8

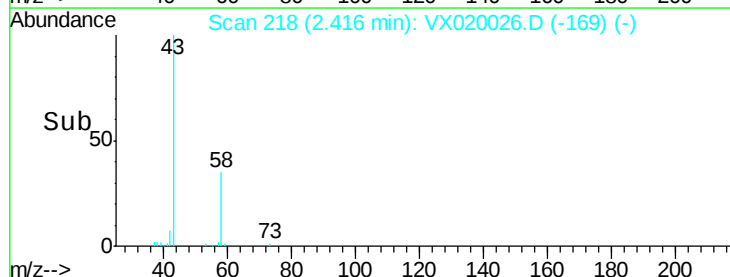


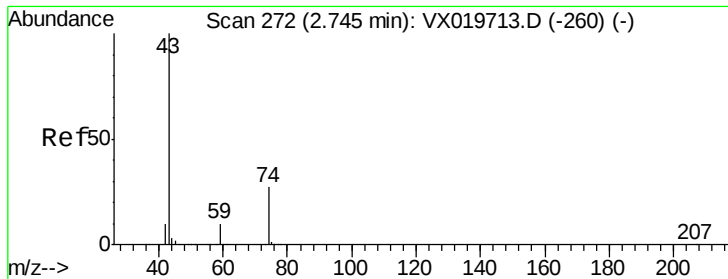
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

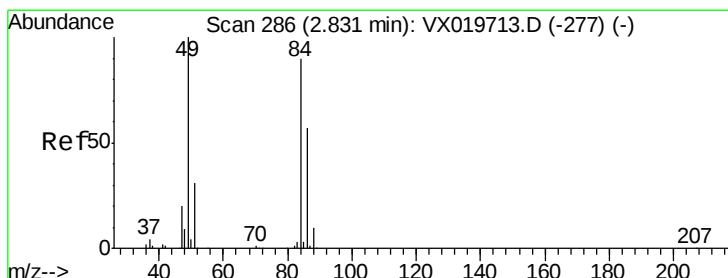
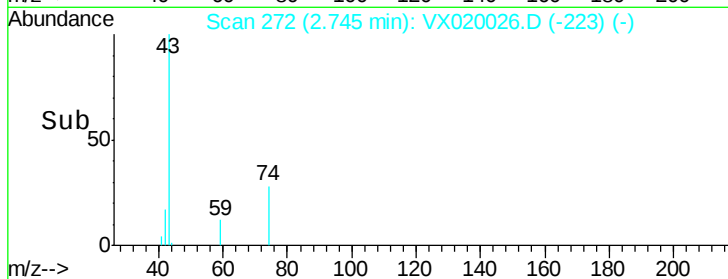
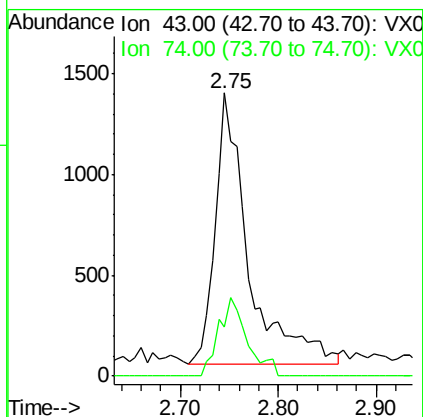
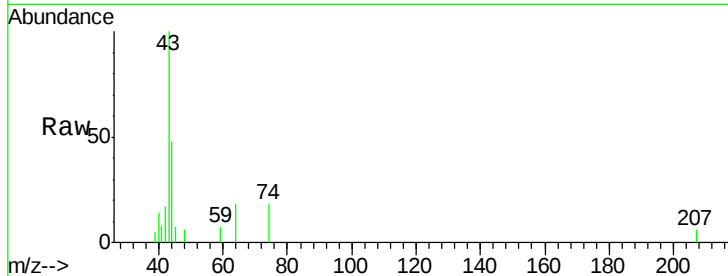




#18
Methyl Acetate
Concen: 0.884 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX020026.D
Acq: 15 Dec 2020 20:50

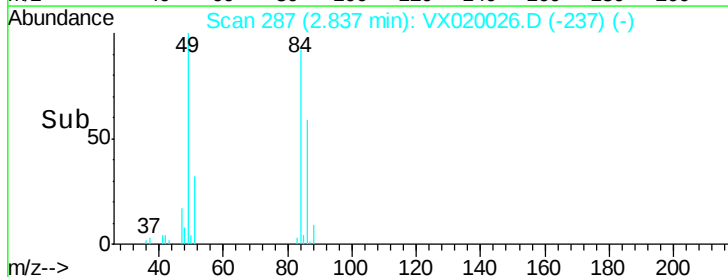
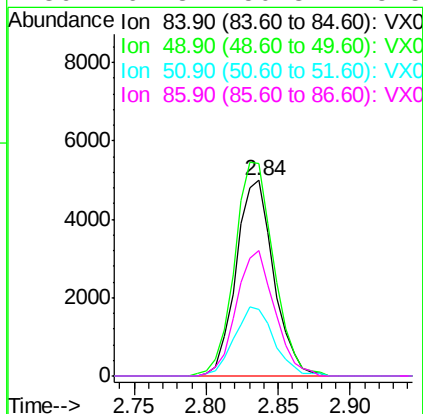
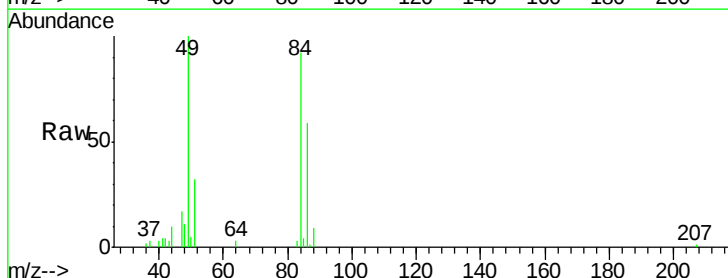
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PB133610ZHE#08

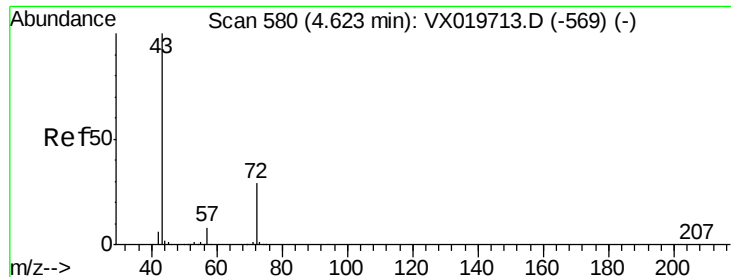
Tgt Ion: 43 Resp: 3199
Ion Ratio Lower Upper
43 100
74 24.6 21.9 32.9



#20
Methylene Chloride
Concen: 1.300 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020026.D
Acq: 15 Dec 2020 20:50

Tgt Ion: 84 Resp: 9068
Ion Ratio Lower Upper
84 100
49 108.6 88.6 132.8
51 34.4 27.0 40.6
86 64.3 50.3 75.5

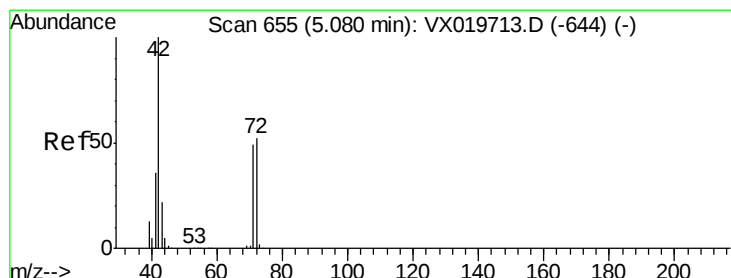
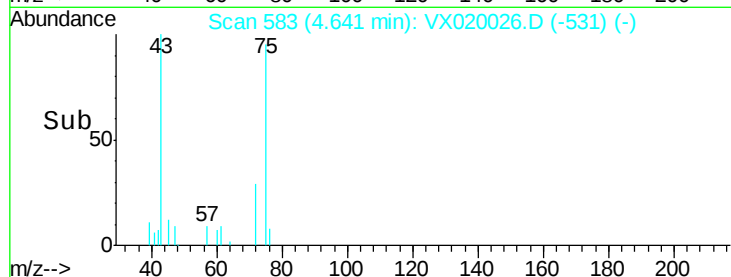
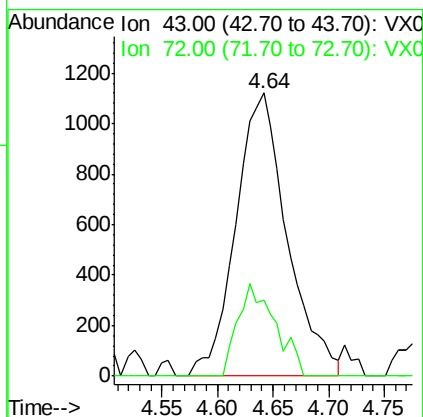
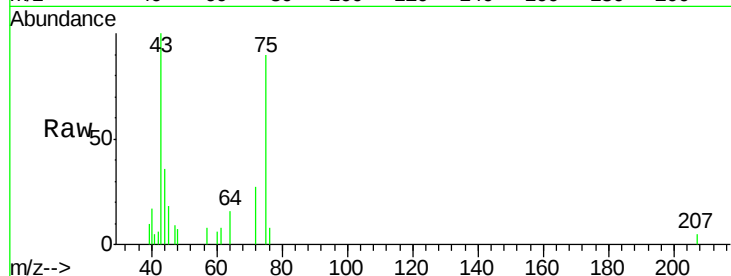




#25
2-Butanone
Concen: 1.586 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX020026.D
Acq: 15 Dec 2020 20:50

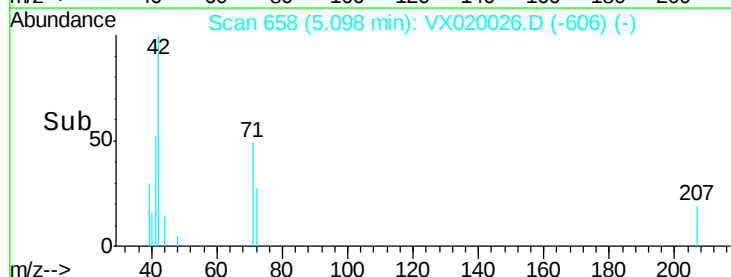
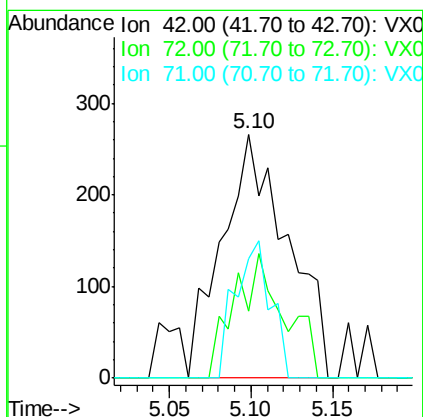
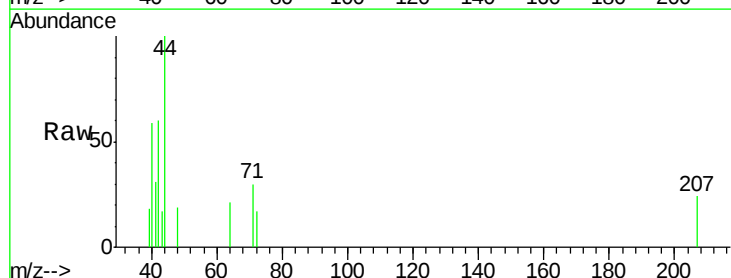
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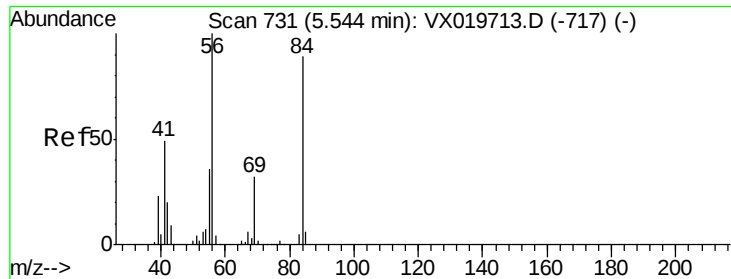
Tgt Ion: 43 Resp: 3605
Ion Ratio Lower Upper
43 100
72 27.0 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.508 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.02 min
Lab File: VX020026.D
Acq: 15 Dec 2020 20:50

Tgt Ion: 42 Resp: 744
Ion Ratio Lower Upper
42 100
72 39.4 41.7 62.5#
71 30.6 38.4 57.6#

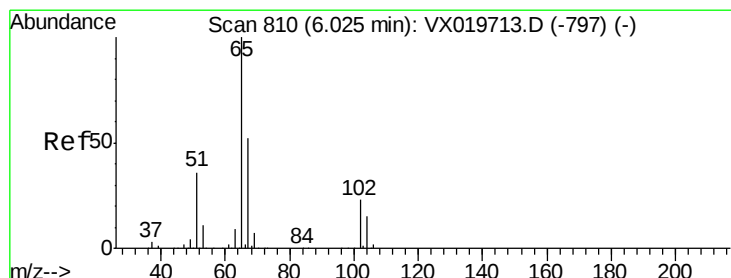
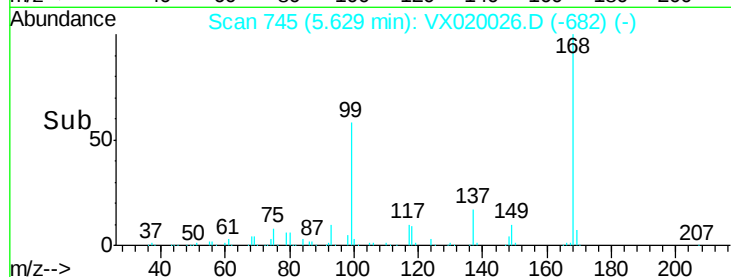
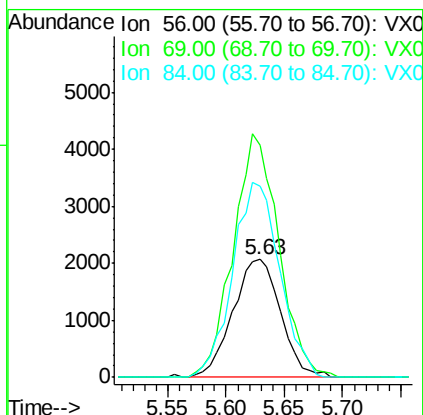
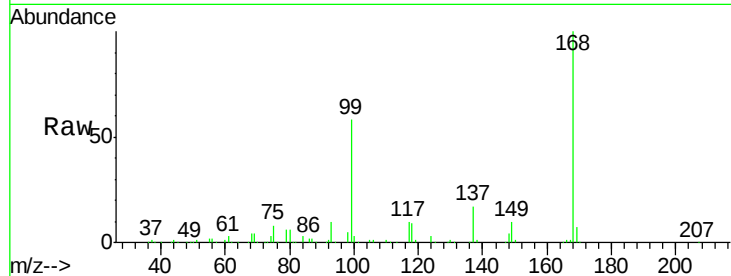




#31
Cyclohexane
Concen: 1.207 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX020026.D
Acq: 15 Dec 2020 20:50

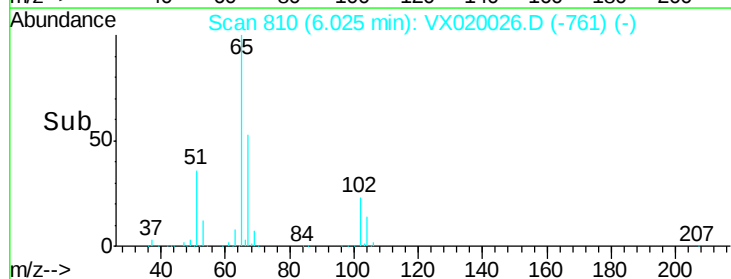
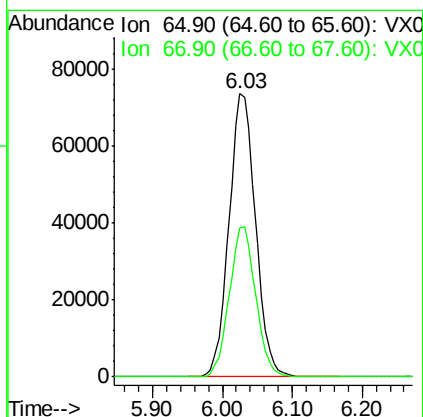
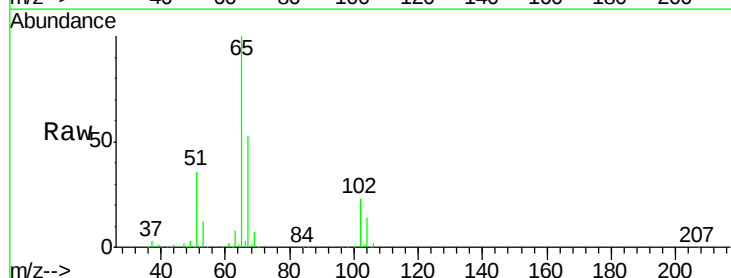
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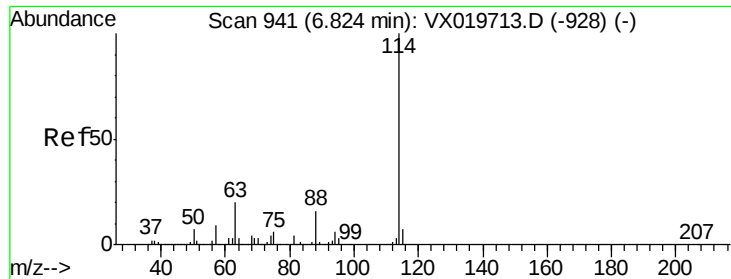
Tgt Ion: 56 Resp: 5911
Ion Ratio Lower Upper
56 100
69 197.4 25.3 37.9#
84 162.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 49.483 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.00 min
Lab File: VX020026.D
Acq: 15 Dec 2020 20:50

Tgt Ion: 65 Resp: 194743
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.4

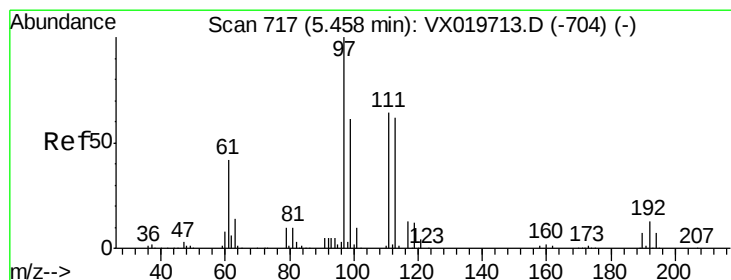
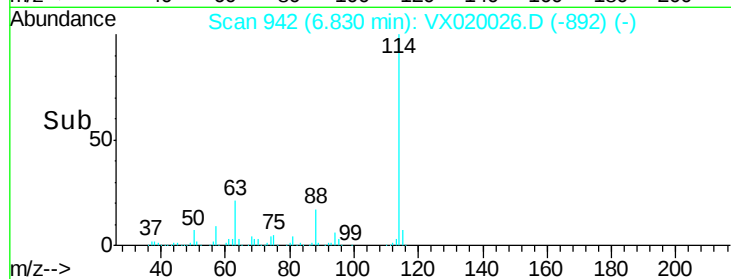
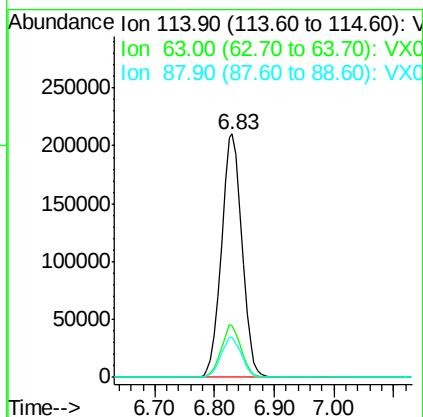
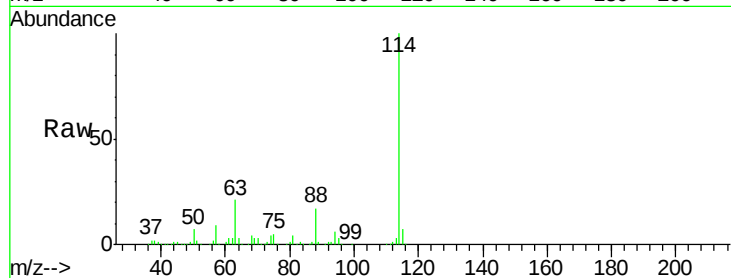




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX020026.D
 Acq: 15 Dec 2020 20:50

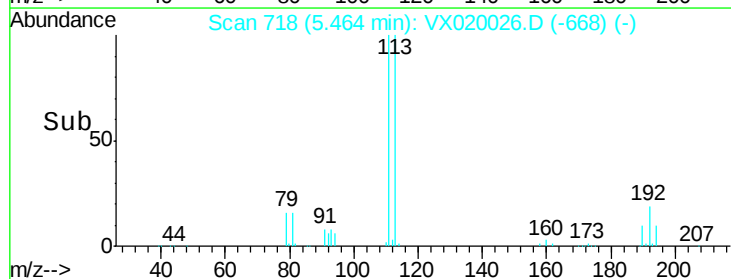
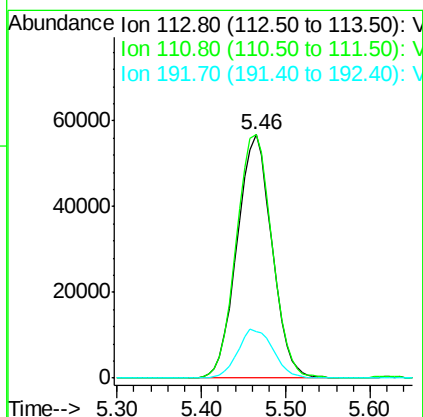
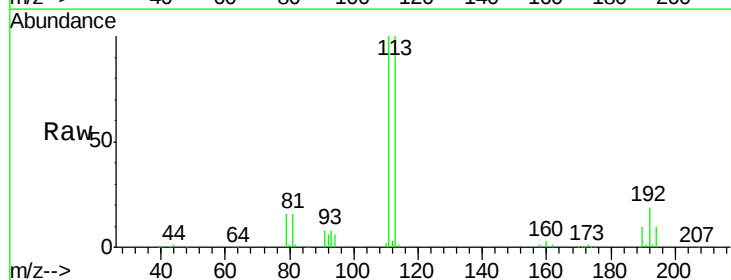
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 ClientSampleId :
 PB133610ZHE#08

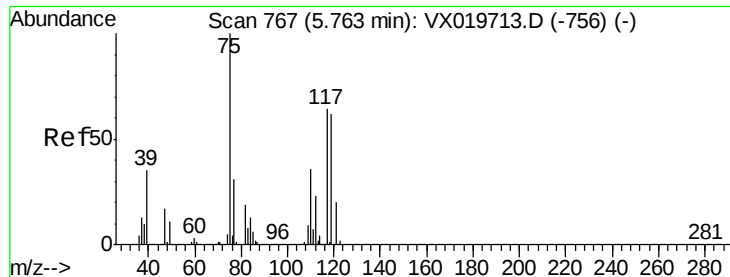
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.8
88	16.7	0.0	32.8



#35
 Dibromofluoromethane
 Concen: 48.715 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX020026.D
 Acq: 15 Dec 2020 20:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	20.6	16.7	25.1





#36

1,1-Dichloropropene

Concen: 5.086 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX020026.D

Acq: 15 Dec 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#08

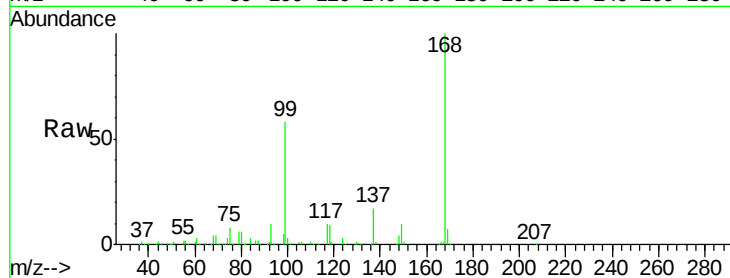
Tgt Ion: 75 Resp: 23127

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

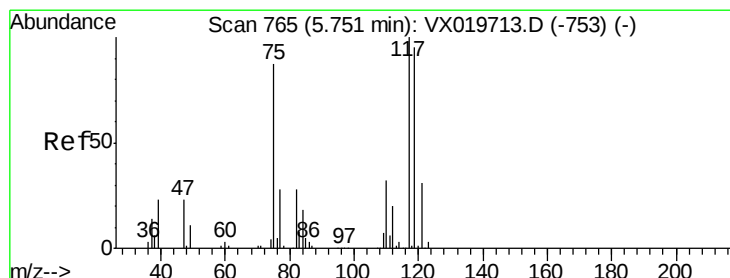
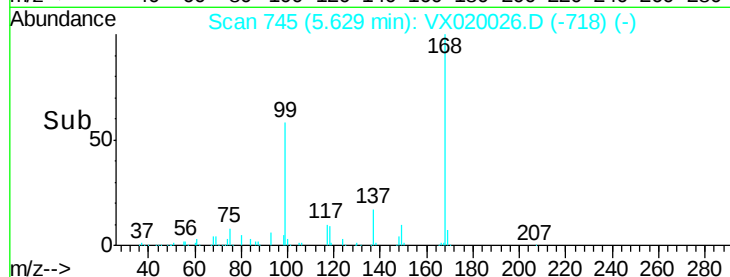
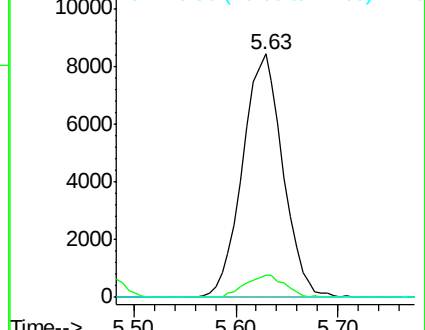
77 0.0 25.3 37.9#



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: 6.623 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX020026.D

Acq: 15 Dec 2020 20:50

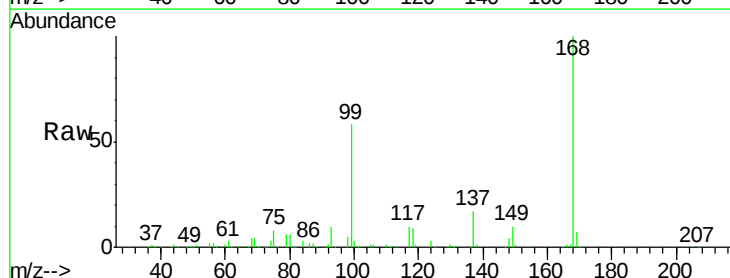
Tgt Ion: 117 Resp: 29493

Ion Ratio Lower Upper

117 100

119 6.1 76.2 114.2#

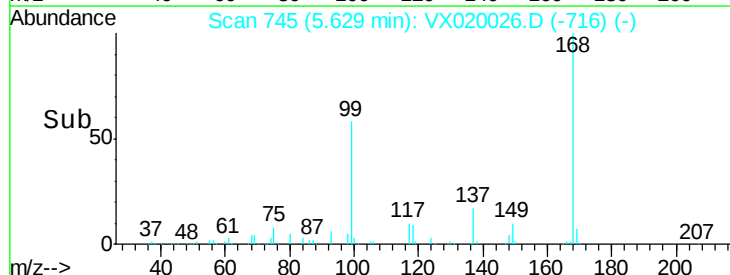
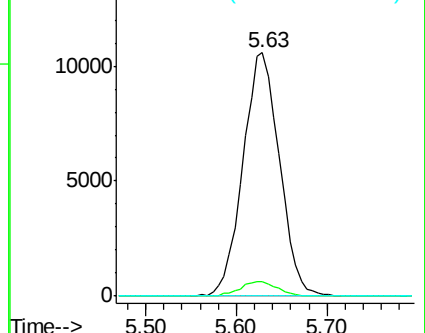
121 0.0 24.8 37.2#

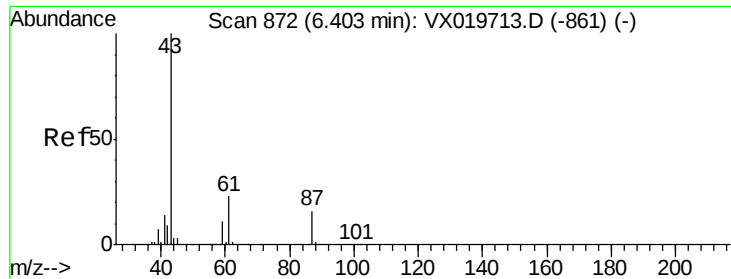


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

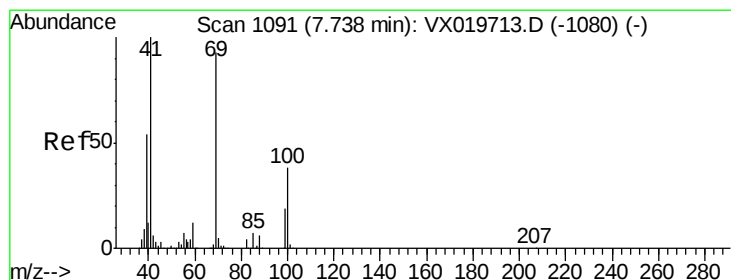
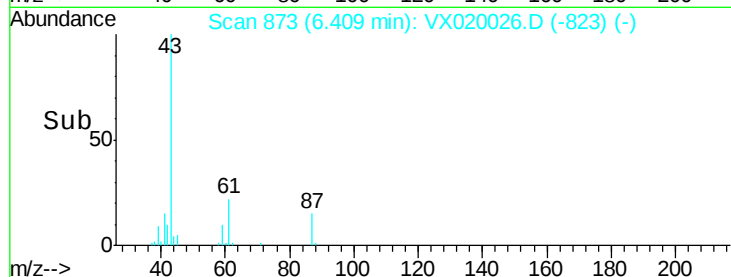
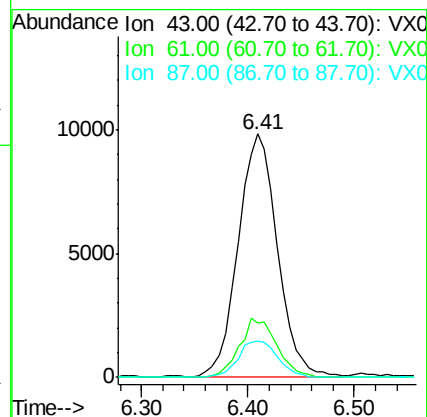
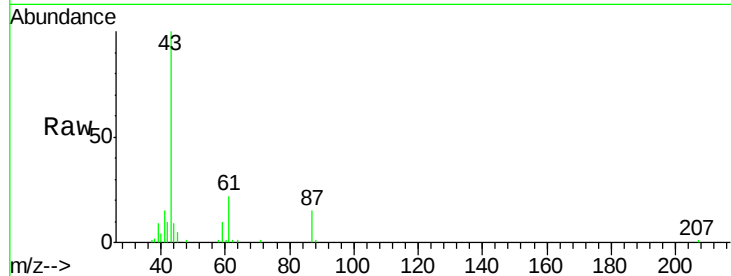




#43
Isopropyl Acetate
Concen: 3.418 ug/l
RT: 6.41 min Scan# 873
Delta R.T. 0.01 min
Lab File: VX020026.D
Acq: 15 Dec 2020 20:50

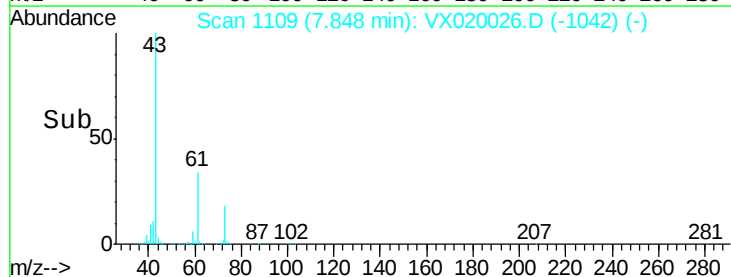
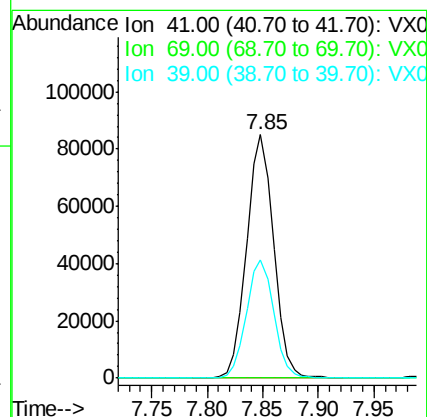
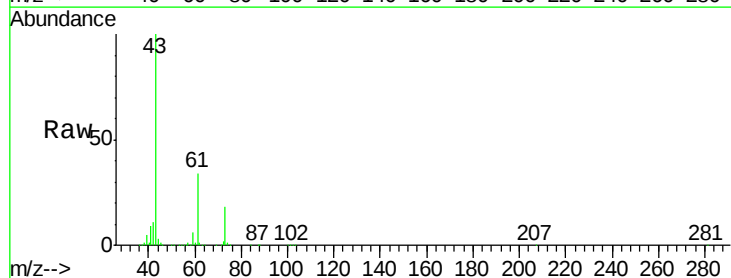
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#08

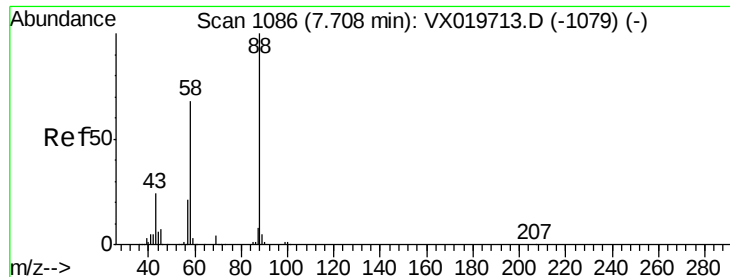
Tgt Ion: 43 Resp: 25509
Ion Ratio Lower Upper
43 100
61 22.9 18.2 27.4
87 15.0 12.5 18.7



#48
Methyl methacrylate
Concen: 38.947 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.11 min
Lab File: VX020026.D
Acq: 15 Dec 2020 20:50

Tgt Ion: 41 Resp: 142975
Ion Ratio Lower Upper
41 100
69 0.2 76.0 114.0#
39 50.0 44.6 67.0





#49

1,4-Dioxane

Concen: 2.710 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.14 min

Lab File: VX020026.D

Acq: 15 Dec 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#08

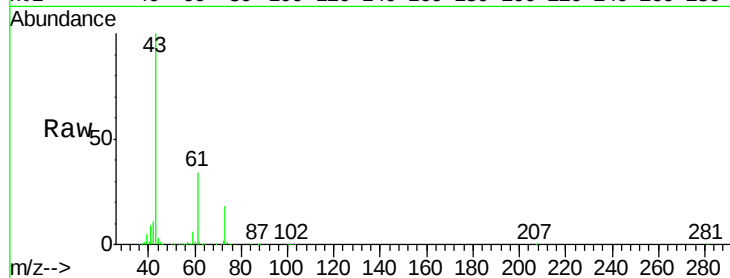
Tgt Ion: 88 Resp: 241

Ion Ratio Lower Upper

88 100

43 627057.3 23.2 34.8#

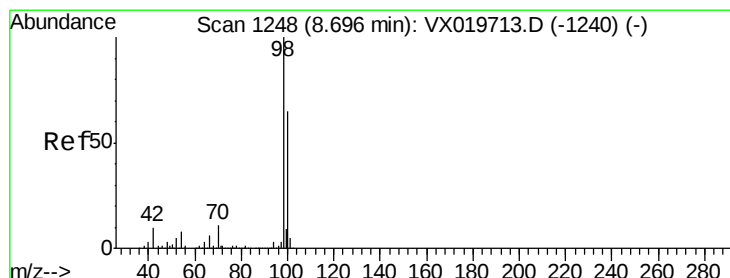
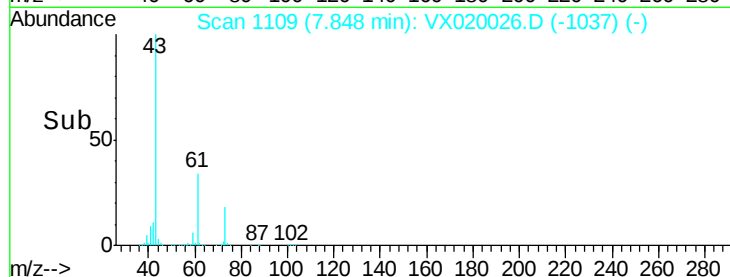
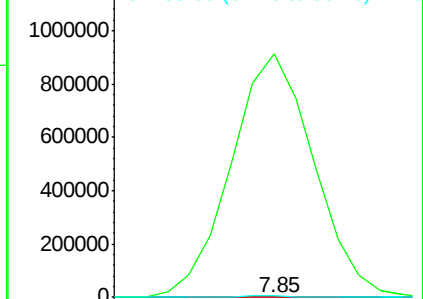
58 3173.9 55.0 82.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.804 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX020026.D

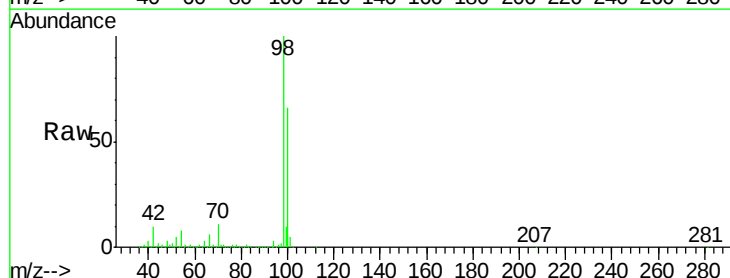
Acq: 15 Dec 2020 20:50

Tgt Ion: 98 Resp: 618363

Ion Ratio Lower Upper

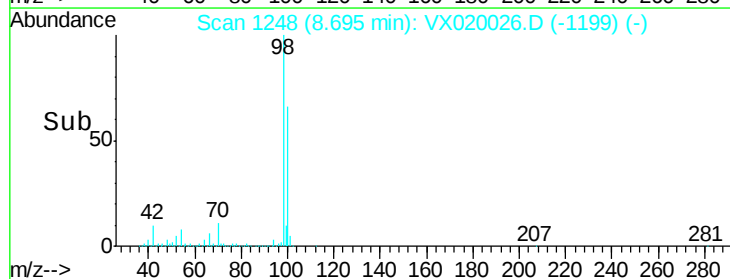
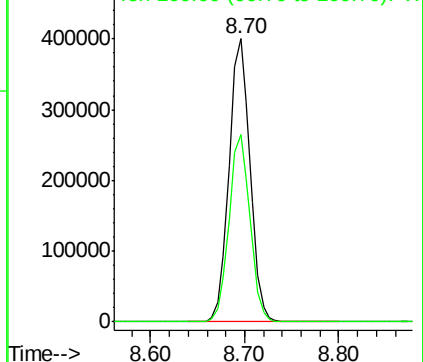
98 100

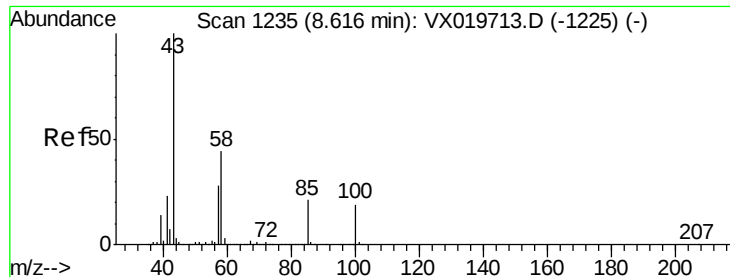
100 66.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 20.518 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX020026.D

Acq: 15 Dec 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

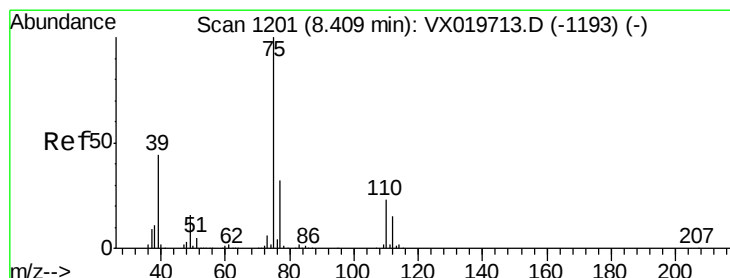
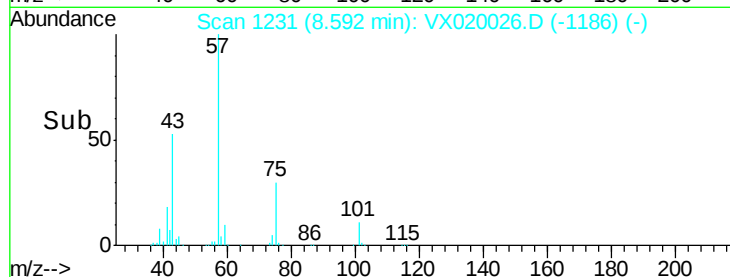
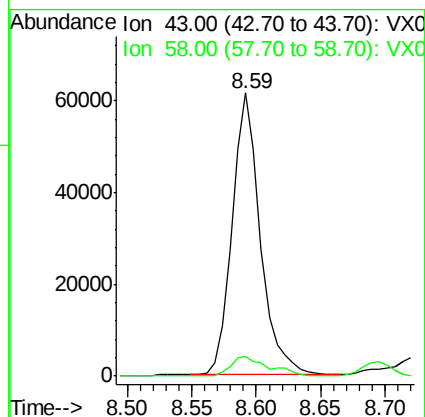
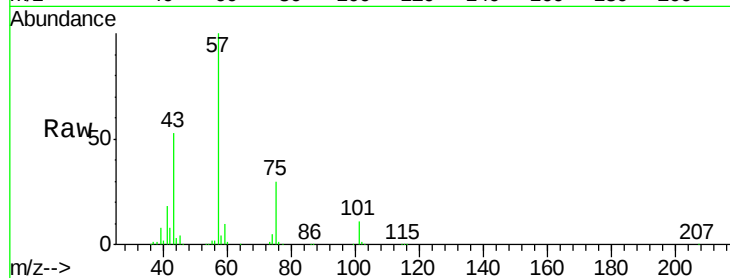
PB133610ZHE#08

Tgt Ion: 43 Resp: 93505

Ion Ratio Lower Upper

43 100

58 9.5 35.4 53.0#



#54

cis-1,3-Dichloropropene

Concen: 8.955 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX020026.D

Acq: 15 Dec 2020 20:50

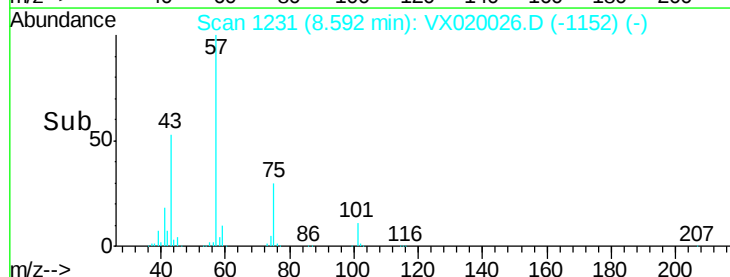
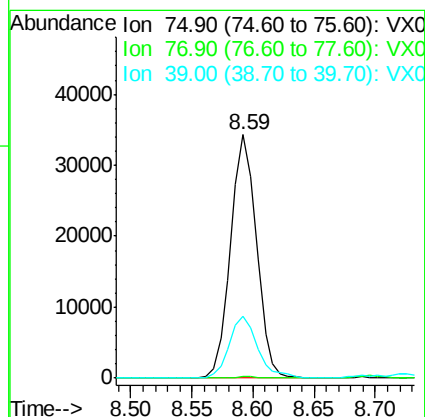
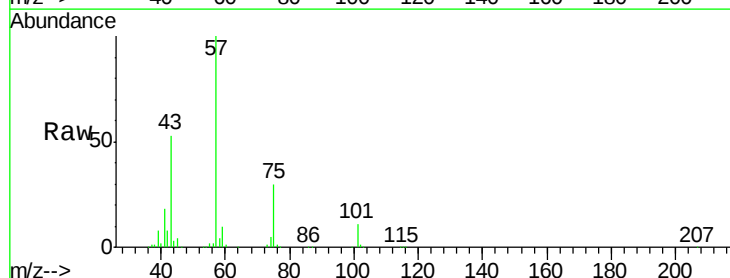
Tgt Ion: 75 Resp: 50224

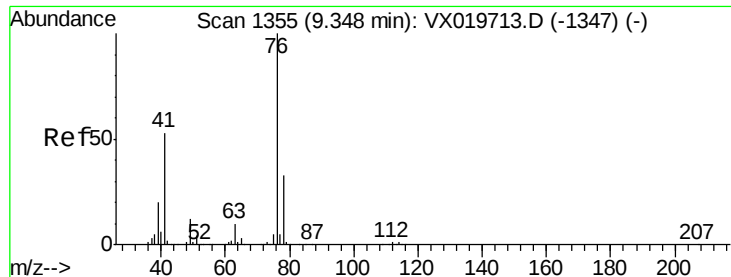
Ion Ratio Lower Upper

75 100

77 0.5 25.7 38.5#

39 25.6 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 5.289 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.18 min

Lab File: VX020026.D

Acq: 15 Dec 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

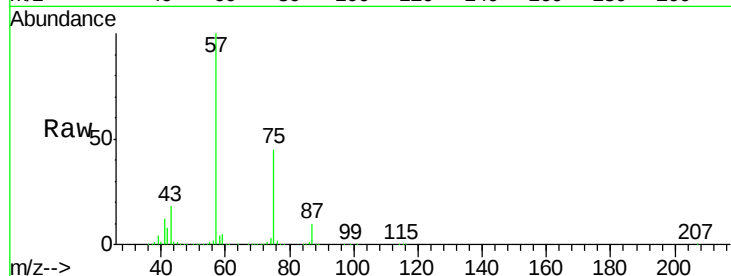
PB133610ZHE#08

Tgt Ion: 76 Resp: 31619

Ion Ratio Lower Upper

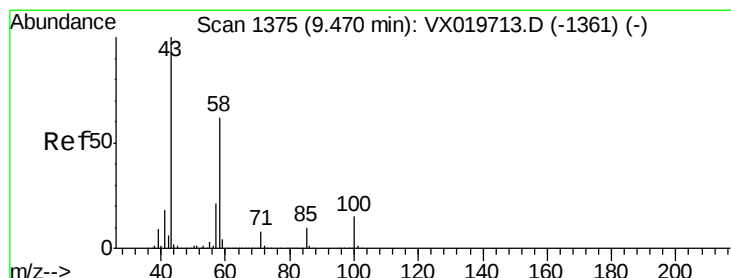
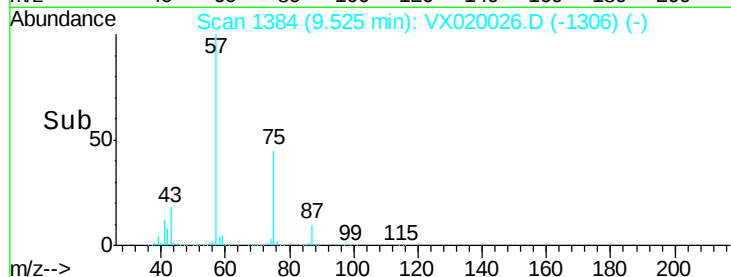
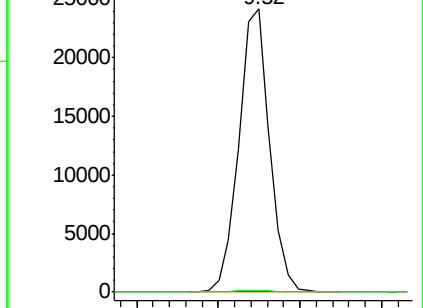
76 100

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: 108.265 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX020026.D

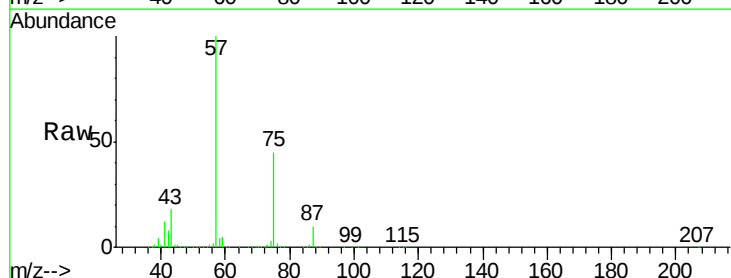
Acq: 15 Dec 2020 20:50

Tgt Ion: 43 Resp: 382435

Ion Ratio Lower Upper

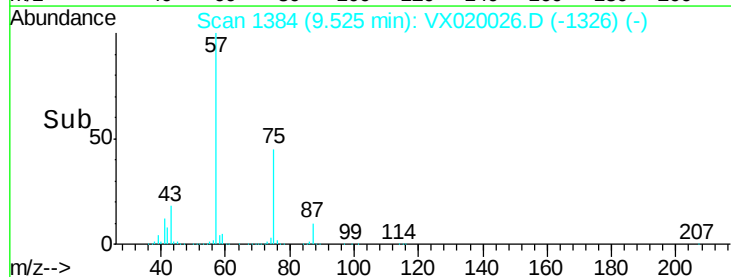
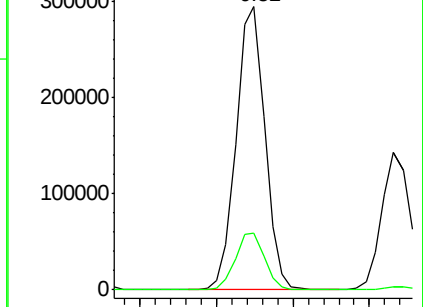
43 100

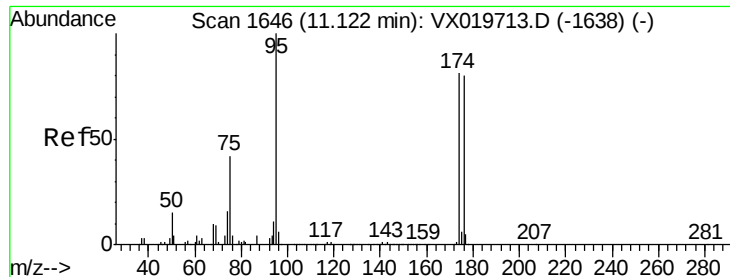
58 20.6 30.9 92.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.666 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX020026.D

Acq: 15 Dec 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#08

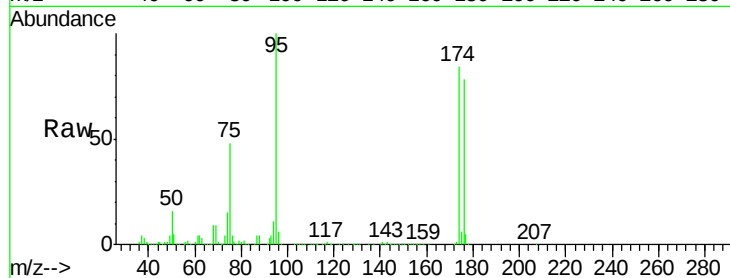
Tgt Ion: 95 Resp: 211076

Ion Ratio Lower Upper

95 100

174 77.6 0.0 154.6

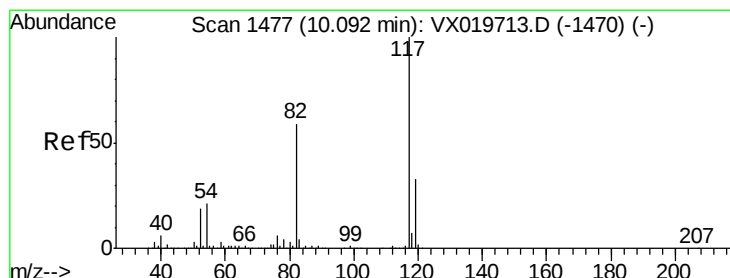
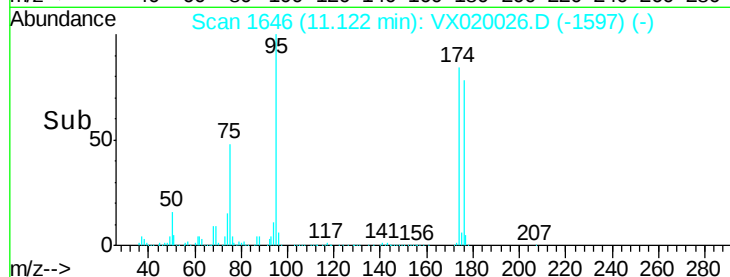
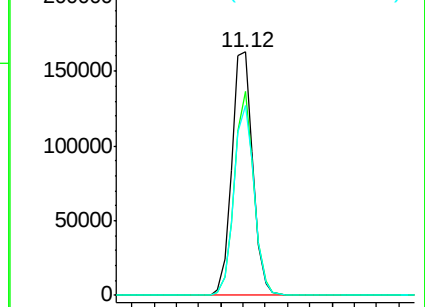
176 75.8 0.0 155.8



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: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX020026.D

Acq: 15 Dec 2020 20:50

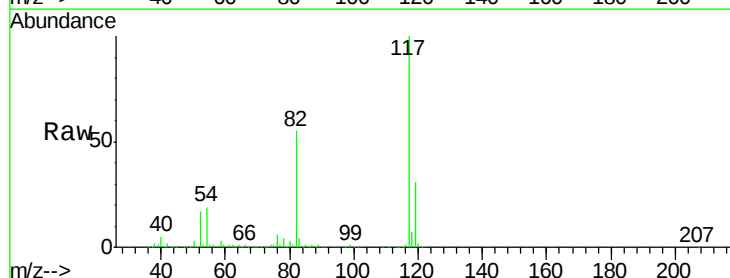
Tgt Ion: 117 Resp: 466536

Ion Ratio Lower Upper

117 100

82 54.7 47.4 71.2

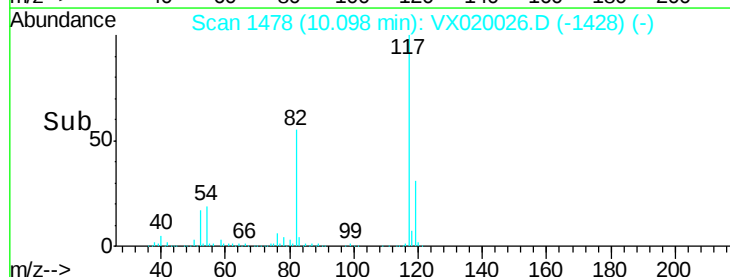
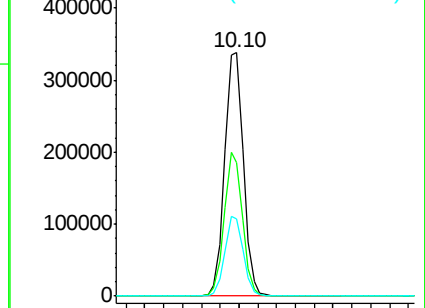
119 31.5 26.6 39.8

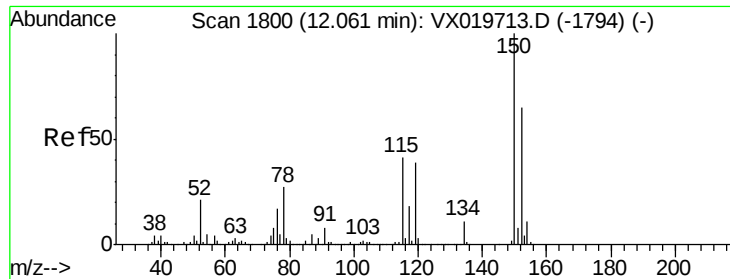


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX020026.D

Acq: 15 Dec 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#08

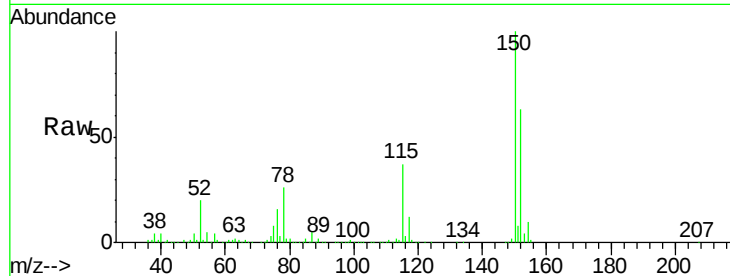
Tgt Ion:152 Resp: 195288

Ion Ratio Lower Upper

152 100

115 58.6 41.1 123.3

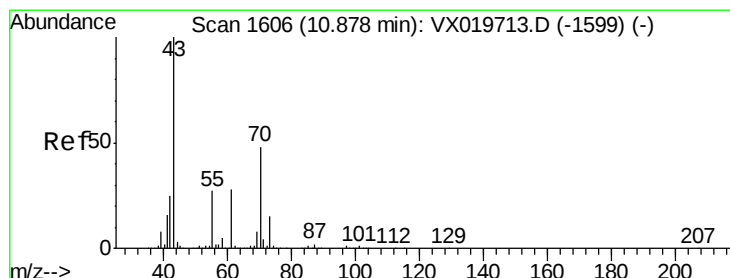
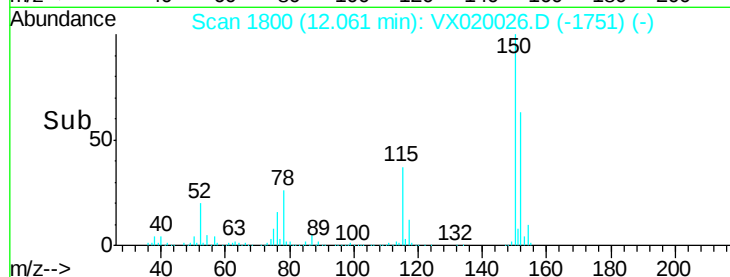
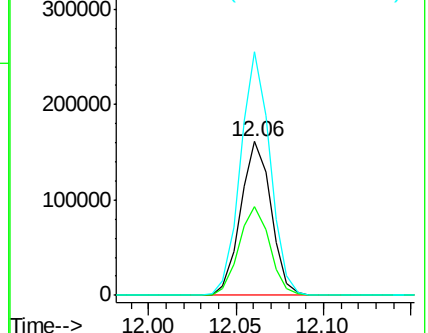
150 154.0 0.0 349.0



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: 3.247 ug/l

RT: 10.68 min Scan# 1573

Delta R.T. -0.20 min

Lab File: VX020026.D

Acq: 15 Dec 2020 20:50

Tgt Ion: 43 Resp: 17361

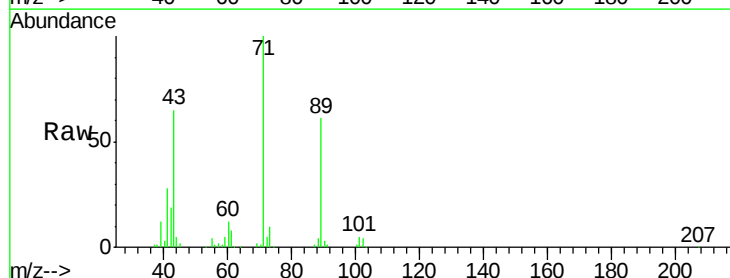
Ion Ratio Lower Upper

43 100

70 2.6 39.0 58.6#

55 5.5 21.5 32.3#

61 12.6 22.1 33.1#

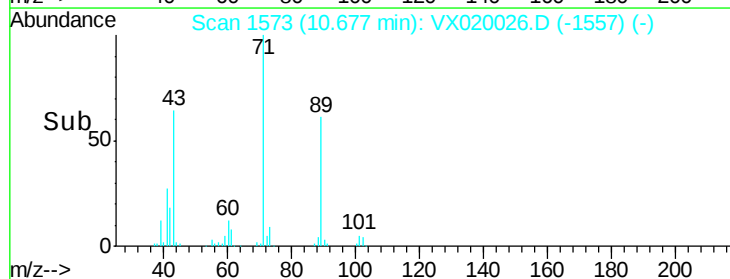
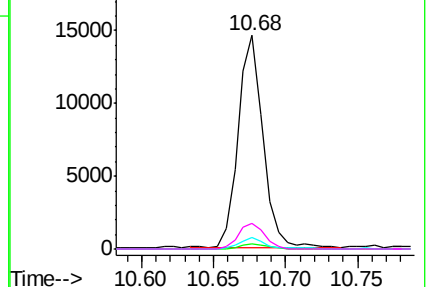


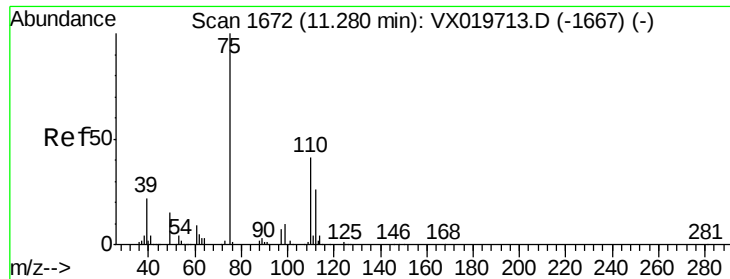
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

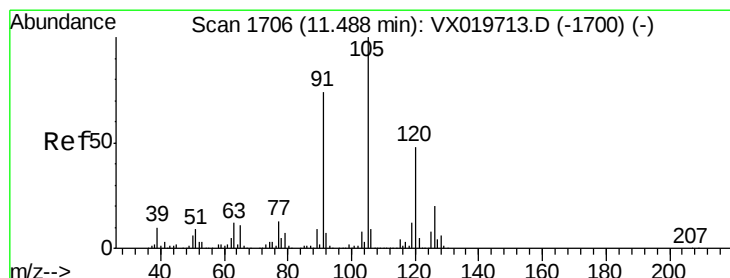
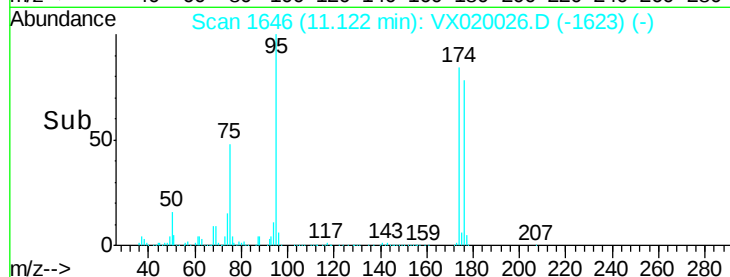
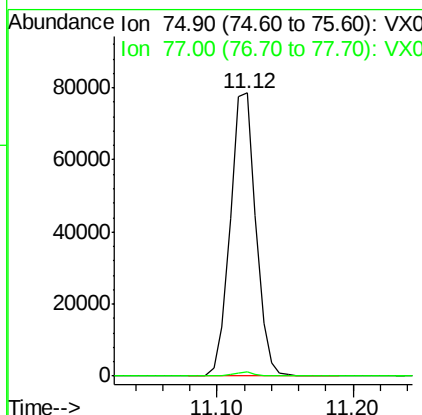
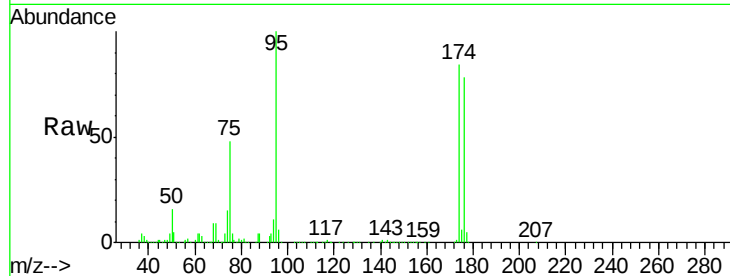




#76
 1,2,3-Trichloropropane
 Concen: 23.453 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX020026.D
 Acq: 15 Dec 2020 20:50

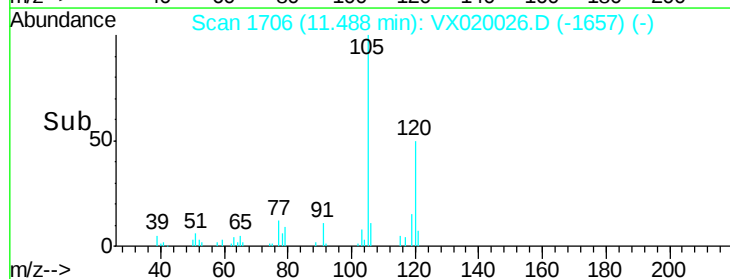
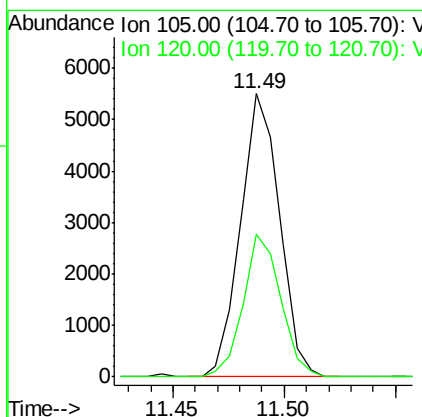
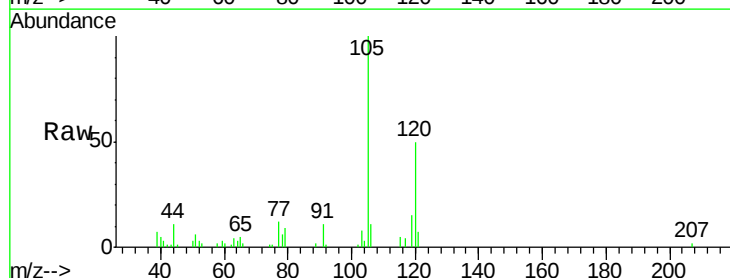
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#08

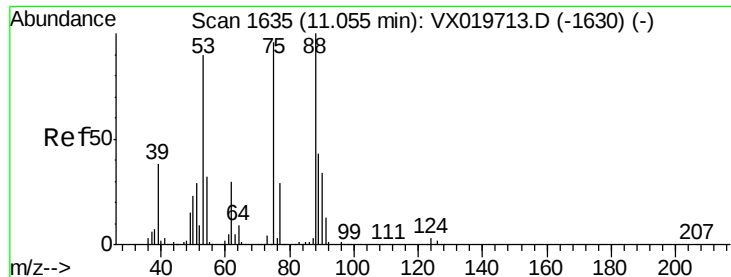
Tgt Ion: 75 Resp: 102724
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.597 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX020026.D
 Acq: 15 Dec 2020 20:50

Tgt Ion: 105 Resp: 6719
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 67.799 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX020026.D

Acq: 15 Dec 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#08

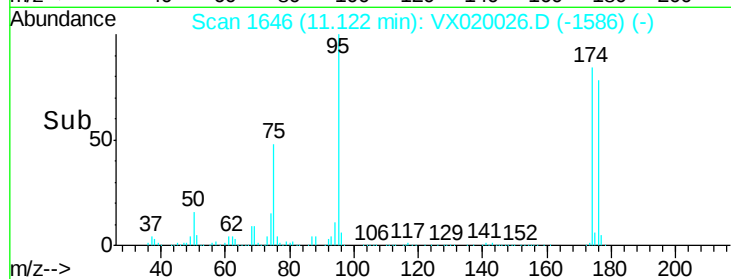
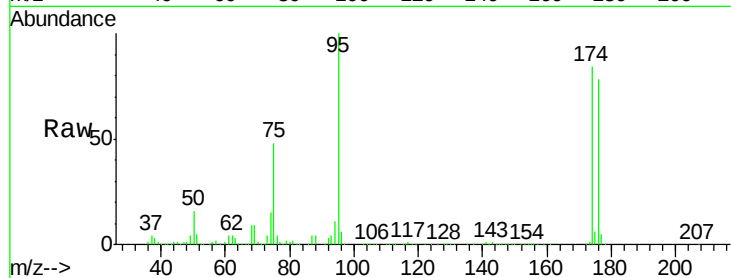
Tgt Ion: 75 Resp: 102724

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

