

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020040.D
 Acq On : 16 Dec 2020 03:01
 Operator : JC/MD
 Sample : PB133610ZHE#16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#16

Quant Time: Dec 16 05:10:28 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	313886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	518806	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	484392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203349	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	200167	48.52	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.04%	
35) Dibromofluoromethane		5.46	113	160873	47.98	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.96%	
50) Toluene-d8		8.70	98	639987	50.00	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.00%	
62) 4-Bromofluorobenzene		11.12	95	224445	46.07	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.14%	

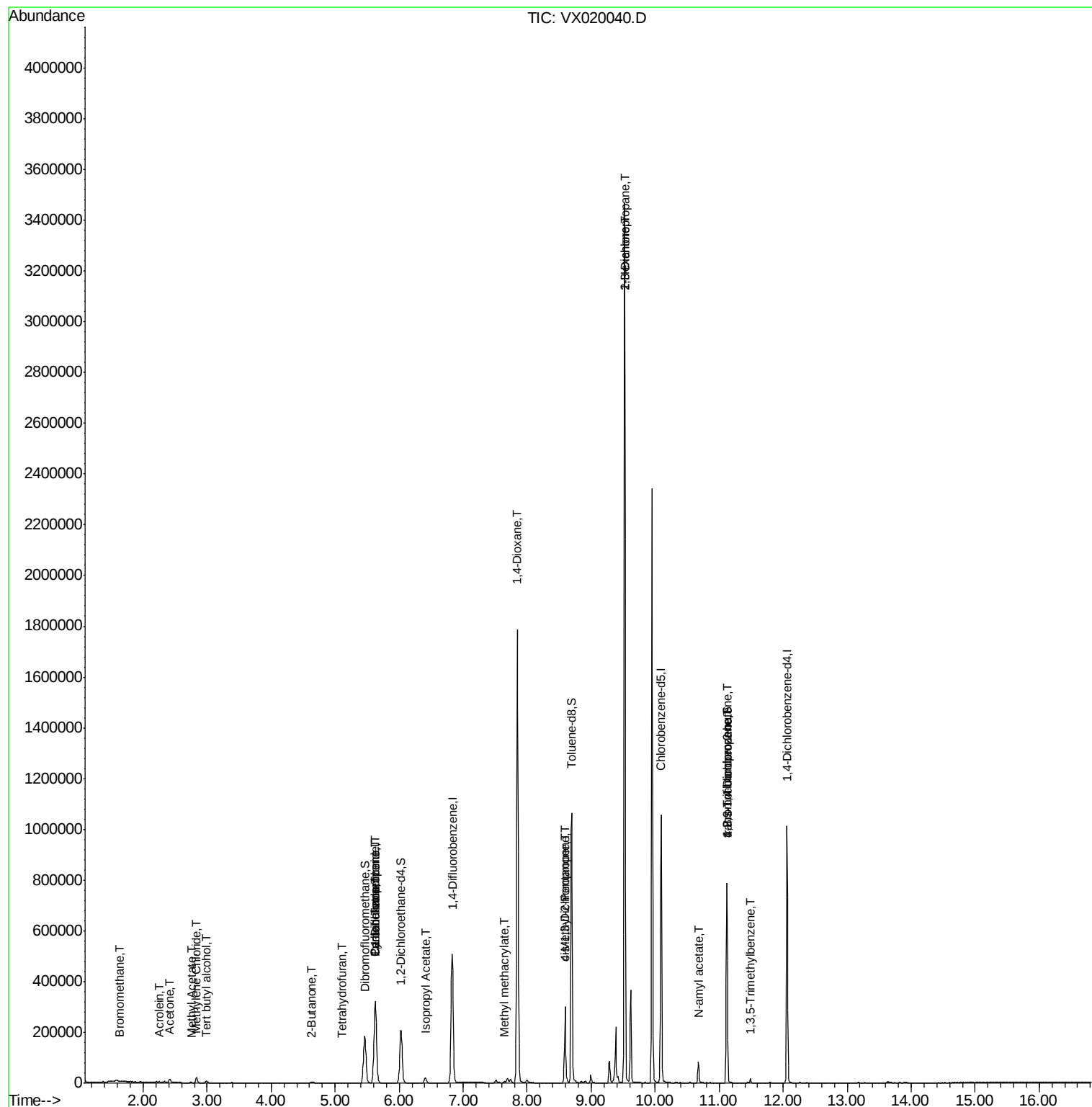
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	444	0.375	ug/l #	66
11) Tert butyl alcohol	2.99	59	4120	2.268	ug/l #	73
13) Acrolein	2.26	56	95	0.209	ug/l #	14
16) Acetone	2.42	43	13601	8.771	ug/l	96
18) Methyl Acetate	2.75	43	2310	0.609	ug/l	92
20) Methylene Chloride	2.83	84	9206	1.213	ug/l	96
25) 2-Butanone	4.64	43	3727	1.564	ug/l	98
29) Tetrahydrofuran	5.09	42	549	0.358	ug/l #	39
31) Cyclohexane	5.63	56	6146	1.198	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24026	5.125	ug/l #	48
38) Carbon Tetrachloride	5.63	117	30778	6.704	ug/l #	17
43) Isopropyl Acetate	6.41	43	25655	3.334	ug/l	99
48) Methyl methacrylate	7.65	41	6844	1.808	ug/l #	10
49) 1,4-Dioxane	7.84	88	270	2.945	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	94431	20.099	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	50093	8.663	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	31097	5.046	ug/l #	43
59) 2-Hexanone	9.52	43	382853	105.125	ug/l #	47
74) N-amyl acetate	10.68	43	17470	3.138	ug/l #	49
76) 1,2,3-Trichloropropane	11.12	75	107367	23.541	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.49	105	6977	0.595	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	107367	68.054	ug/l #	12

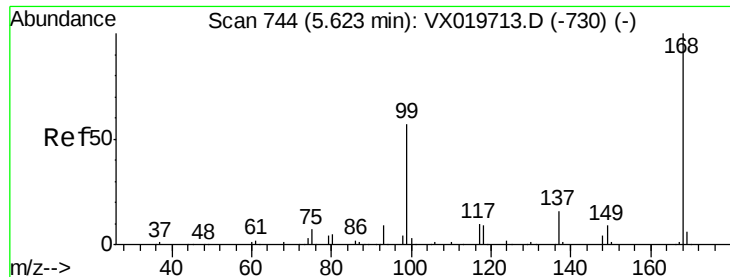
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
Data File : VX020040.D
Acq On : 16 Dec 2020 03:01
Operator : JC/MD
Sample : PB133610ZHE#16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#16

Quant Time: Dec 16 05:10:28 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

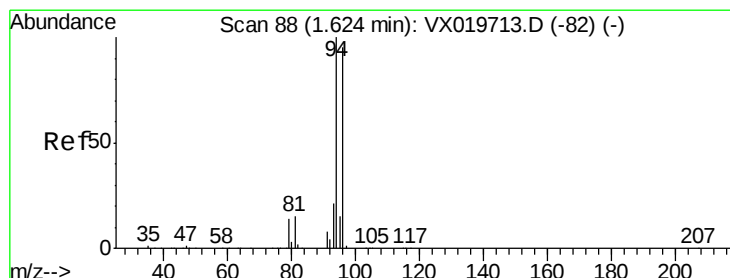
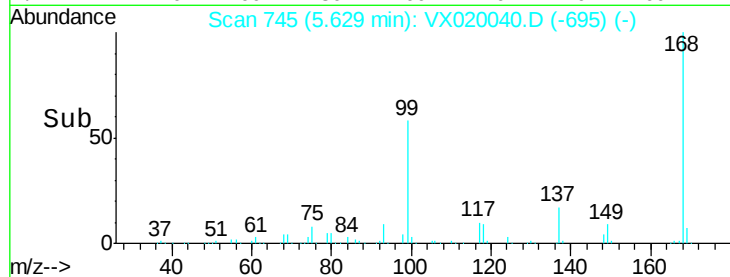
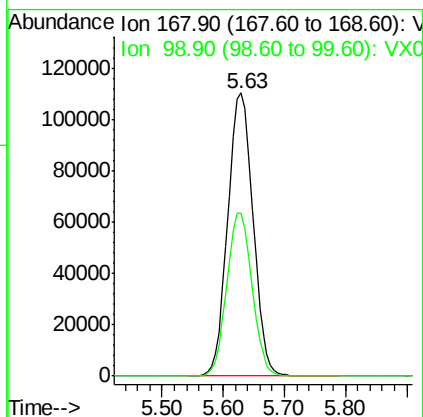
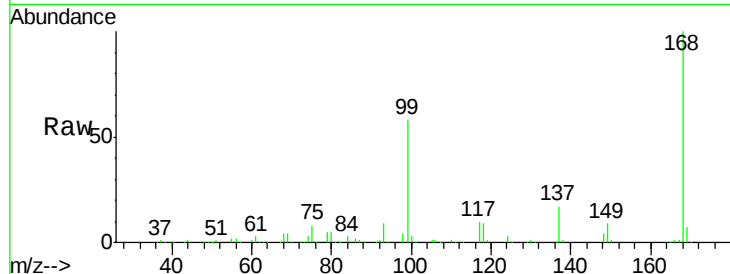




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.01 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

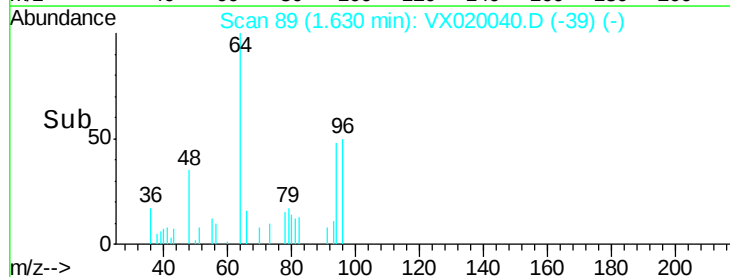
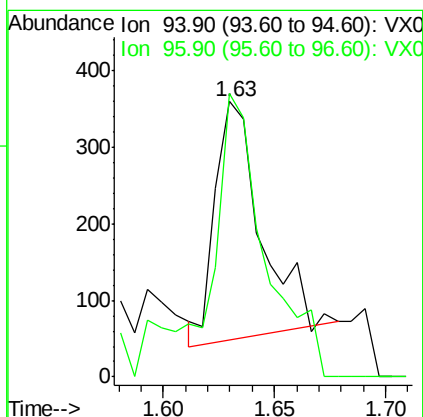
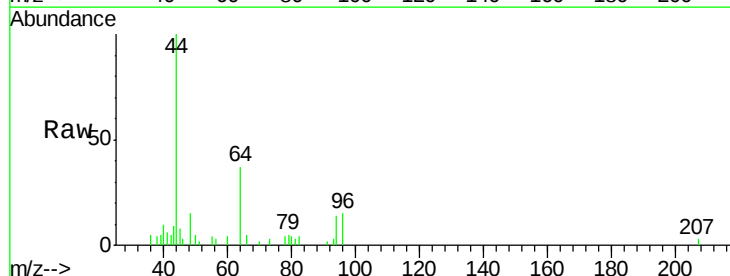
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#16

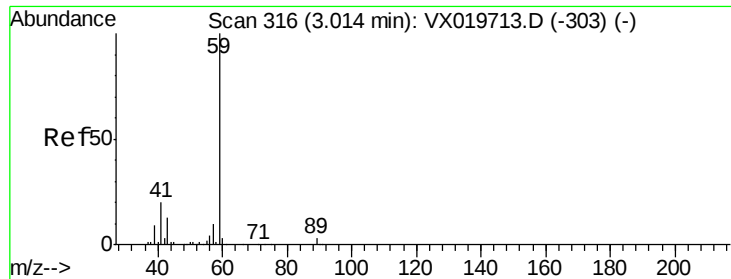
Tgt Ion: 168 Resp: 313886
Ion Ratio Lower Upper
168 100
99 57.8 45.8 68.6



#5
Bromomethane
Concen: 0.375 ug/l
RT: 1.63 min Scan# 89
Delta R.T. 0.01 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

Tgt Ion: 94 Resp: 444
Ion Ratio Lower Upper
94 100
96 128.5 76.4 114.6#

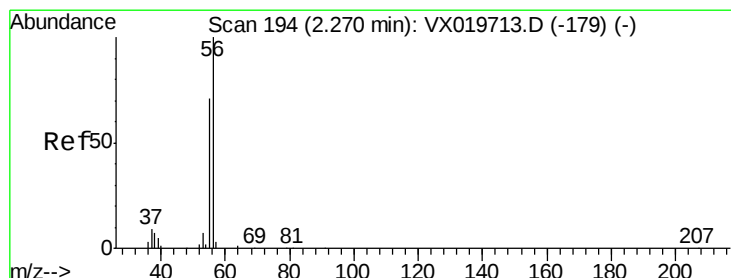
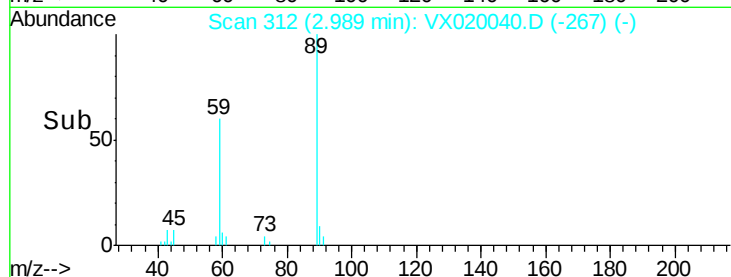
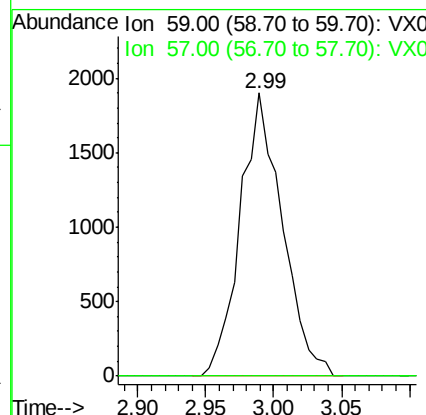
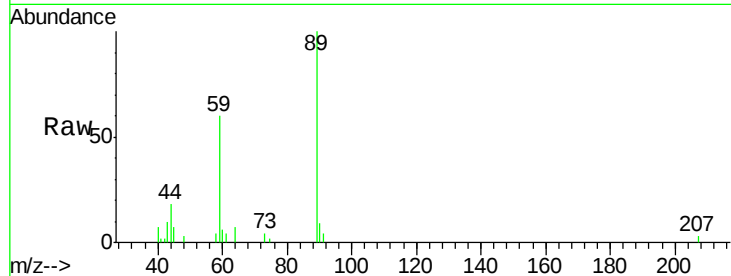




#11
Tert butyl alcohol
Concen: 2.268 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

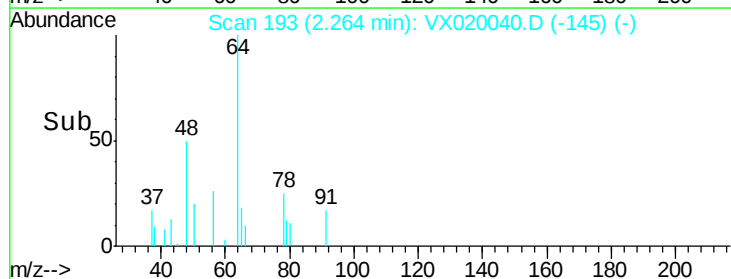
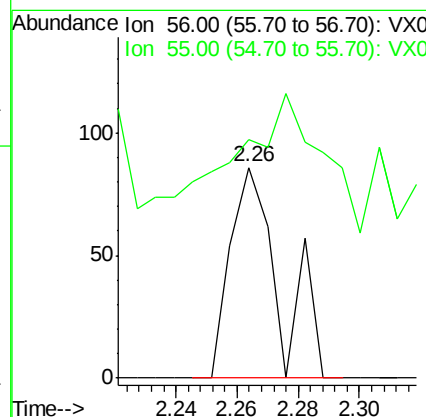
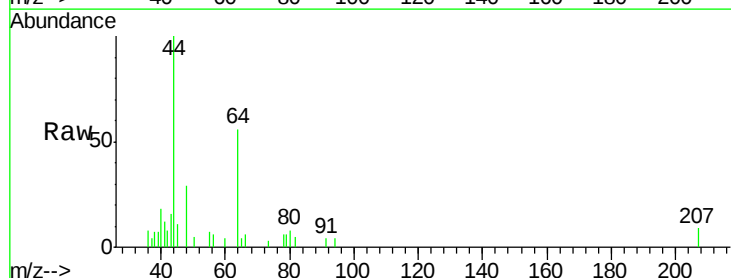
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#16

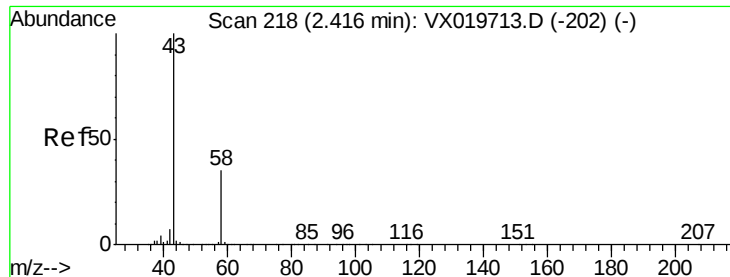
Tgt Ion: 59 Resp: 4120
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.209 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#





#16

Acetone

Concen: 8.771 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX020040.D

Acq: 16 Dec 2020 03:01

Instrument :

MSVOA_X

ClientSampleId :

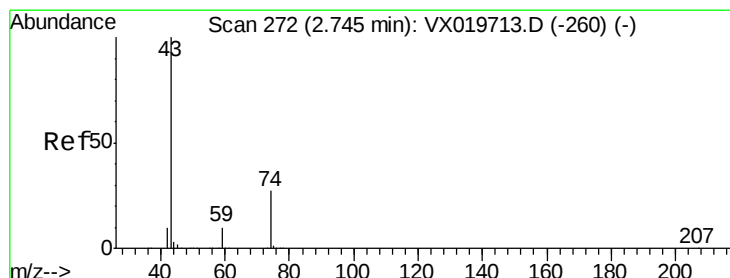
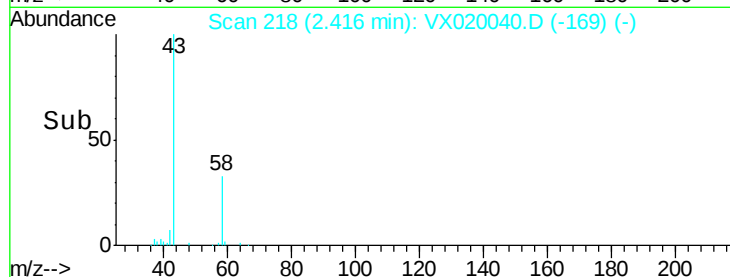
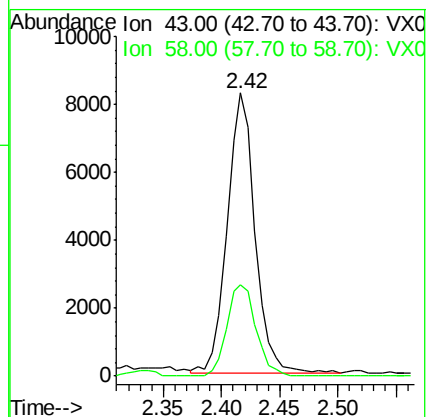
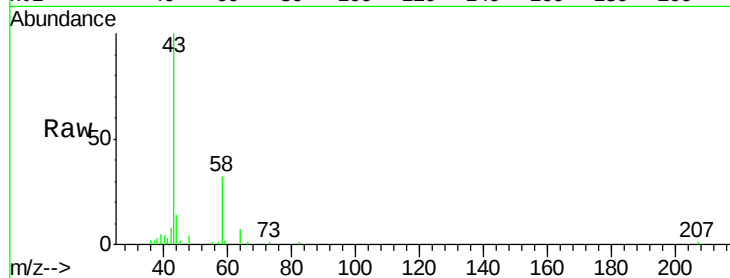
PB133610ZHE#16

Tgt Ion: 43 Resp: 13601

Ion Ratio Lower Upper

43 100

58 32.5 27.8 41.8



#18

Methyl Acetate

Concen: 0.609 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX020040.D

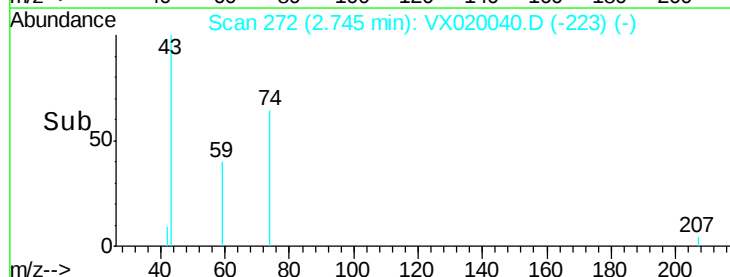
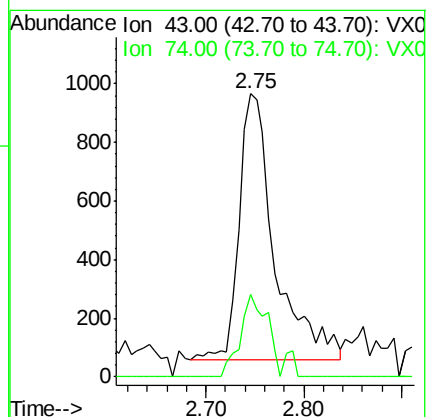
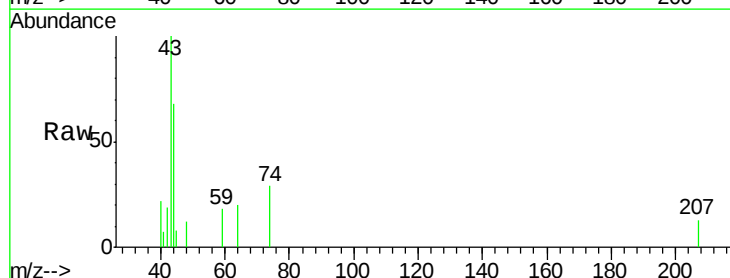
Acq: 16 Dec 2020 03:01

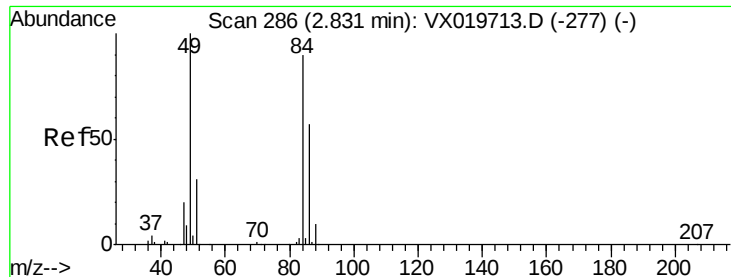
Tgt Ion: 43 Resp: 2310

Ion Ratio Lower Upper

43 100

74 23.1 21.9 32.9

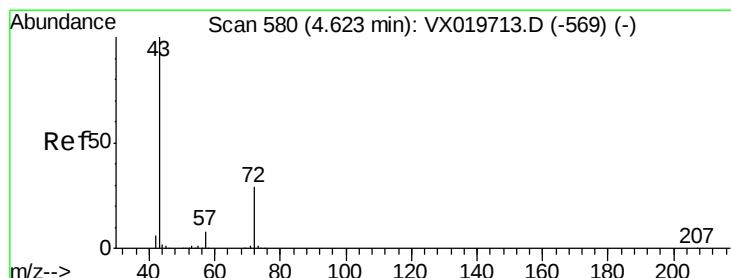
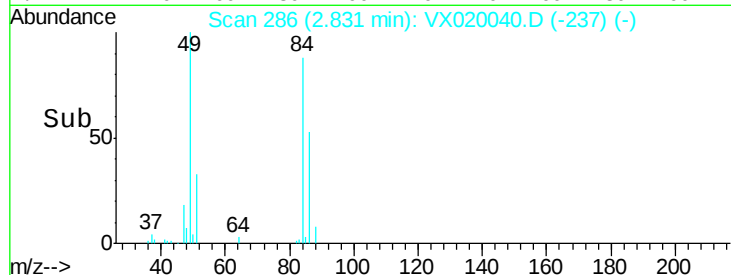
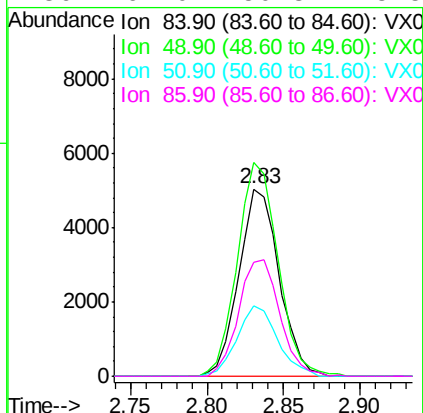
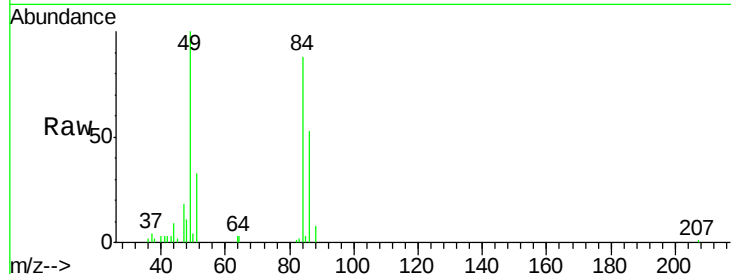




#20
Methylene Chloride
Concen: 1.213 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

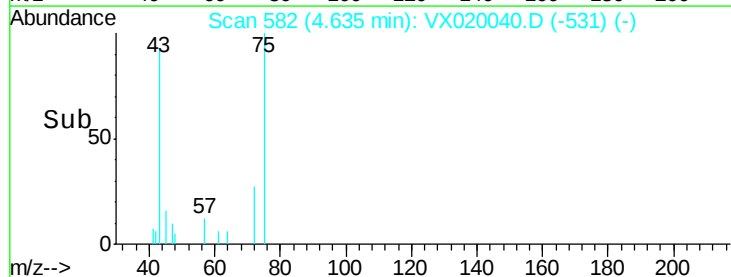
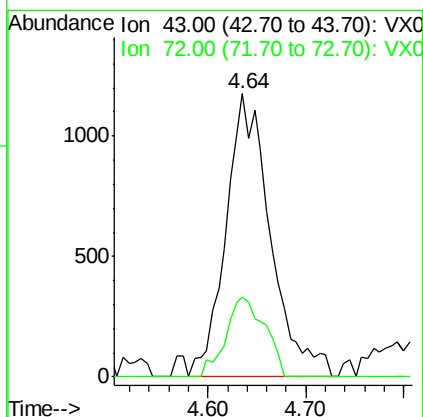
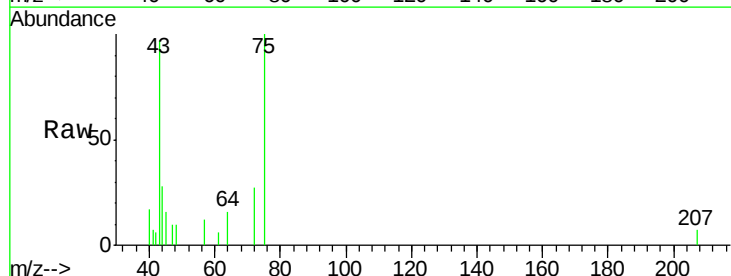
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#16

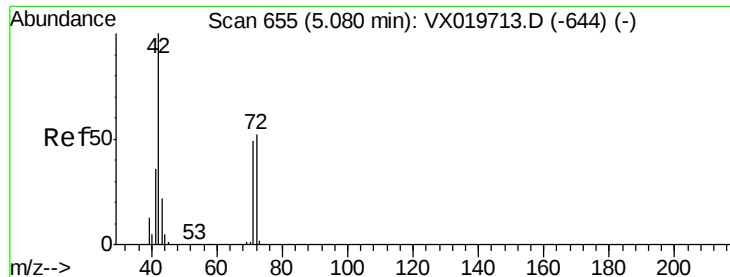
Tgt Ion:	84	Resp:	9206
Ion	Ratio	Lower	Upper
84	100		
49	114.2	88.6	132.8
51	37.4	27.0	40.6
86	61.0	50.3	75.5



#25
2-Butanone
Concen: 1.564 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

Tgt Ion:	43	Resp:	3727
Ion	Ratio	Lower	Upper
43	100		
72	28.3	23.7	35.5

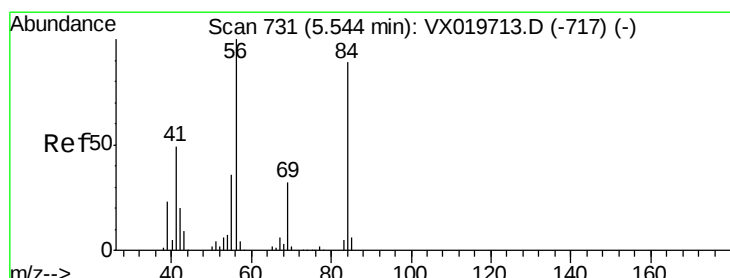
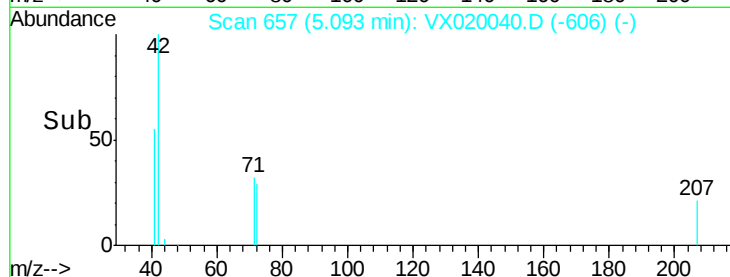
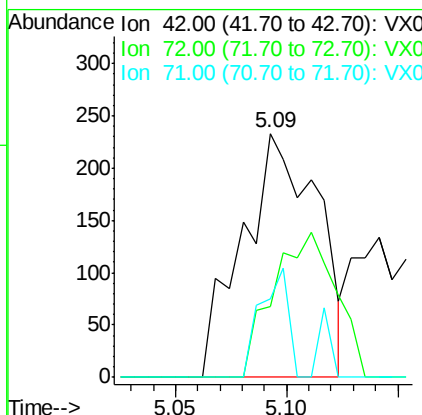
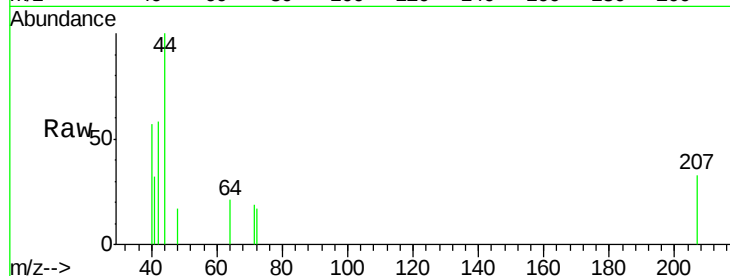




#29
Tetrahydrofuran
Concen: 0.358 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

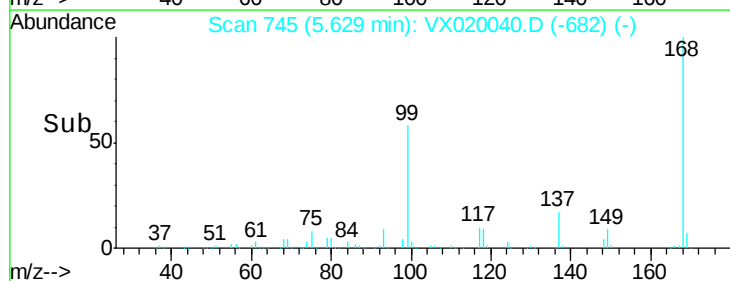
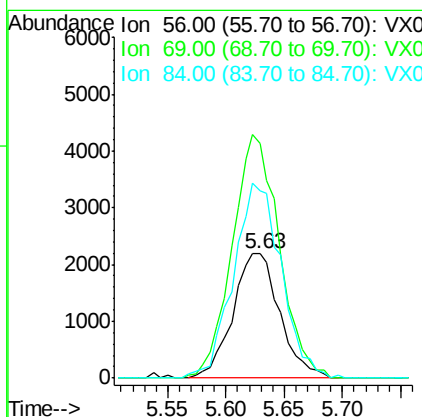
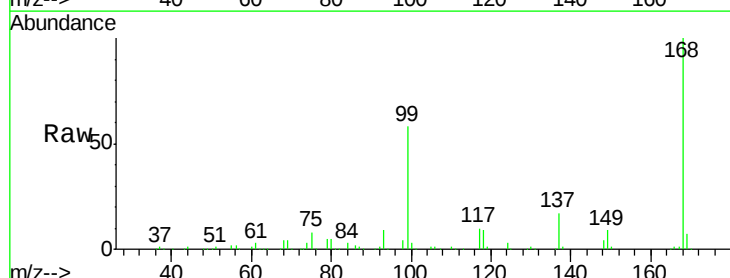
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#16

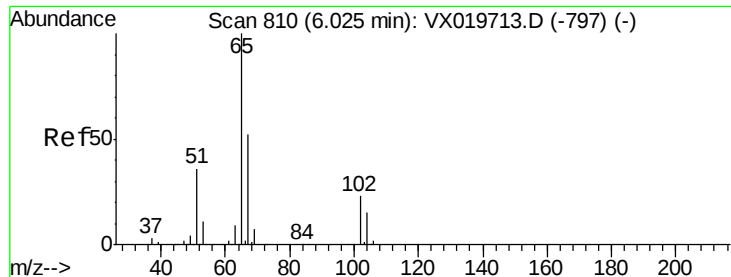
Tgt Ion: 42 Resp: 549
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 16.6 38.4 57.6#



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

Tgt Ion: 56 Resp: 6146
Ion Ratio Lower Upper
56 100
69 188.5 25.3 37.9#
84 148.1 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.521 ug/l

RT: 6.03 min Scan# 810

Delta R.T. 0.00 min

Lab File: VX020040.D

Acq: 16 Dec 2020 03:01

Instrument :

MSVOA_X

ClientSampleId :

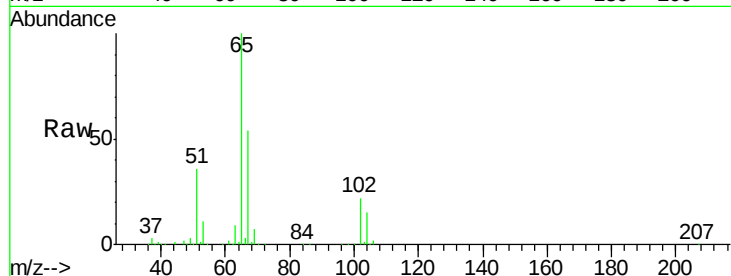
PB133610ZHE#16

Tgt Ion: 65 Resp: 200167

Ion Ratio Lower Upper

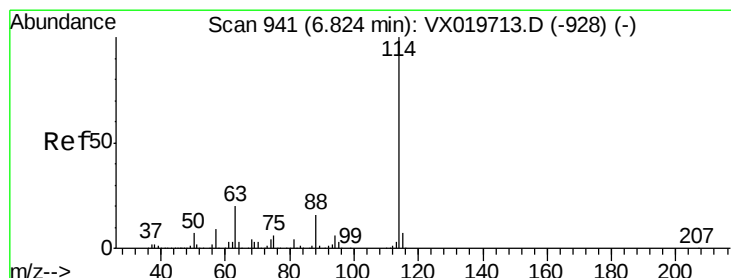
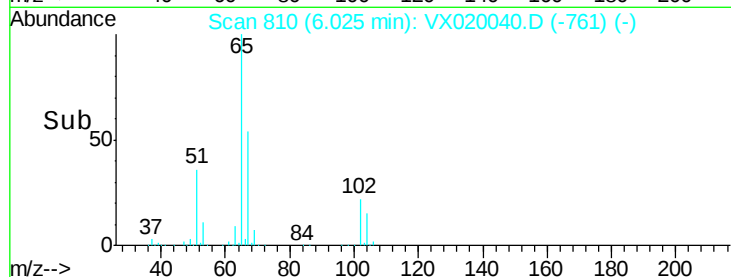
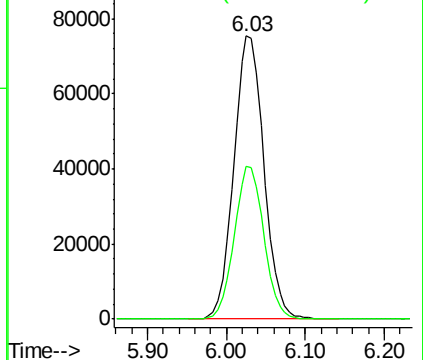
65 100

67 53.1 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: VX020040.D

Acq: 16 Dec 2020 03:01

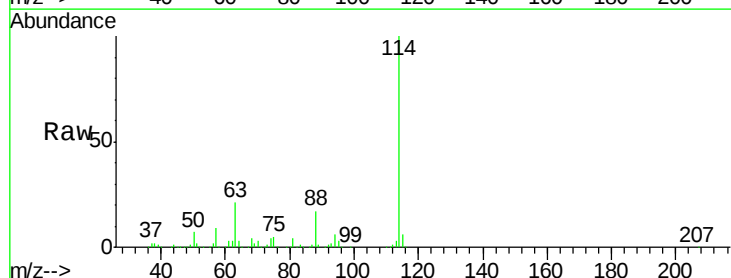
Tgt Ion: 114 Resp: 518806

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

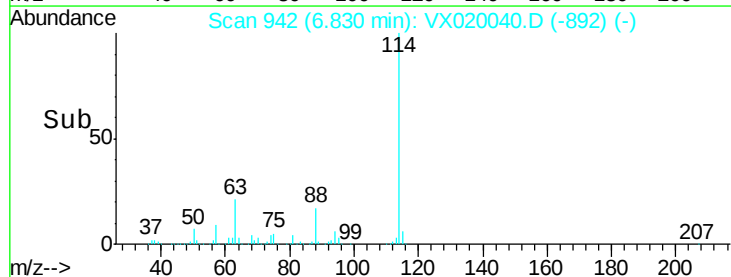
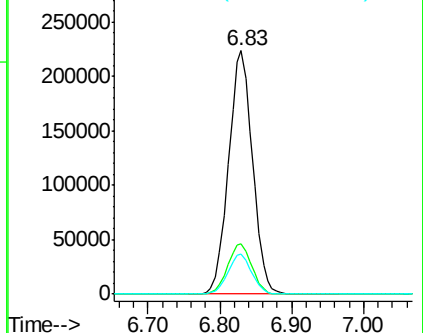
88 16.6 0.0 32.8

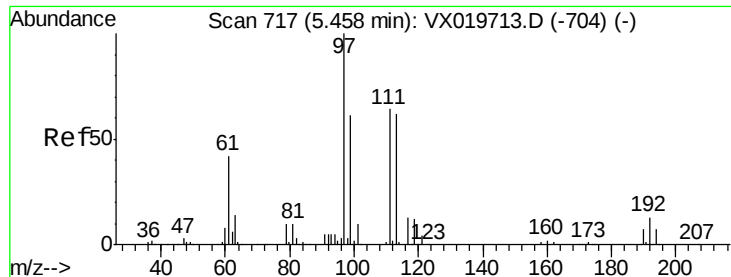


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

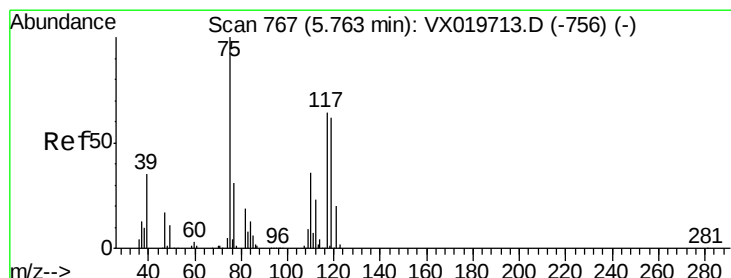
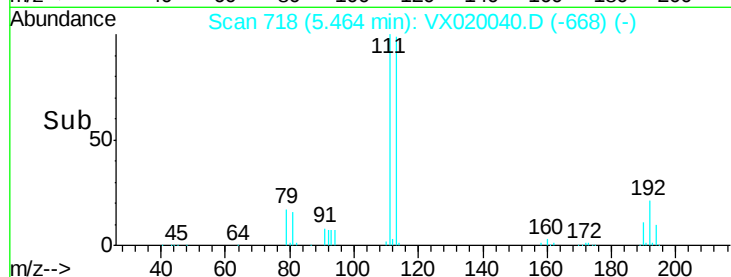
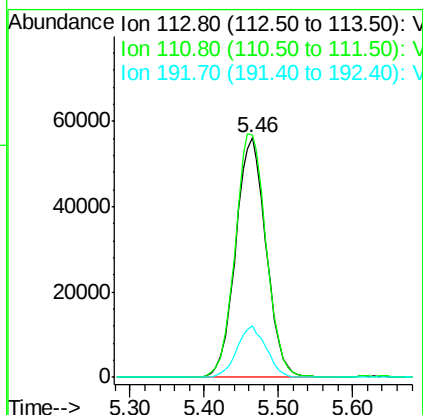
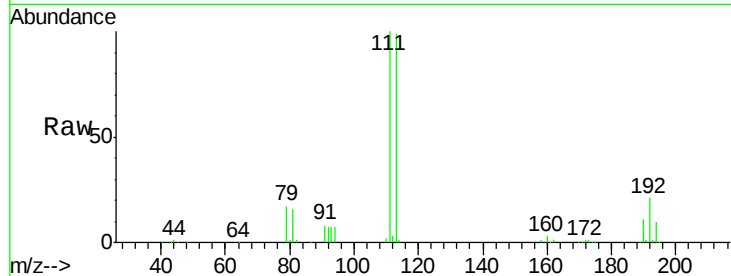




#35
 Dibromofluoromethane
 Concen: 47.979 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX020040.D
 Acq: 16 Dec 2020 03:01

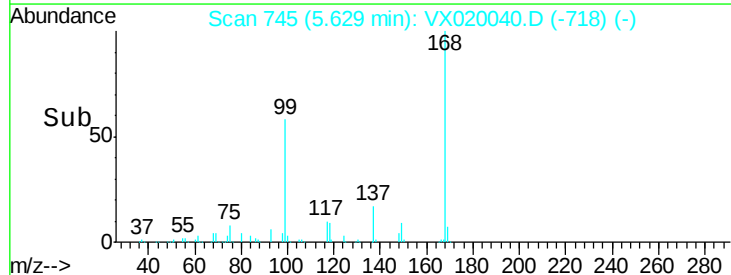
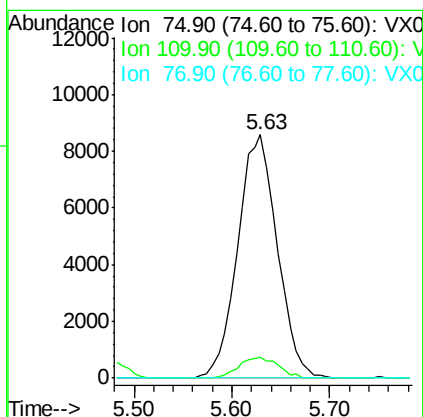
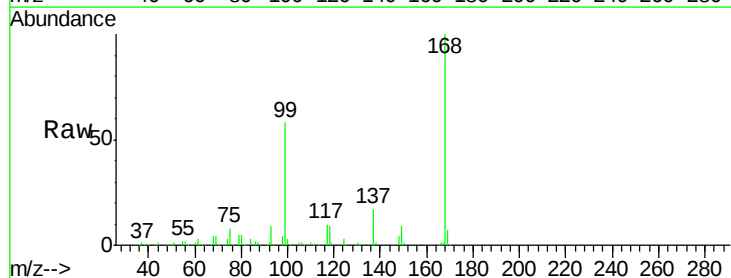
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#16

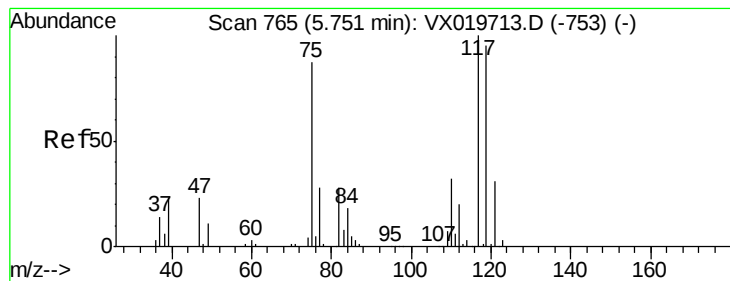
Tgt Ion:113 Resp: 160873
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.9 122.9
 192 20.6 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.125 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX020040.D
 Acq: 16 Dec 2020 03:01

Tgt Ion: 75 Resp: 24026
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.1 54.4#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.704 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX020040.D

Acq: 16 Dec 2020 03:01

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#16

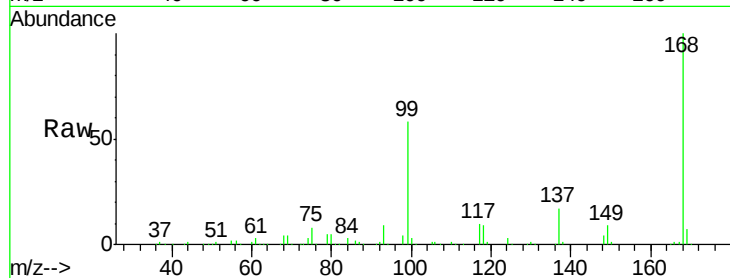
Tgt Ion: 117 Resp: 30778

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

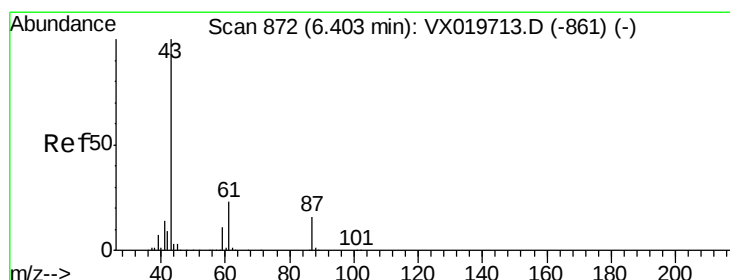
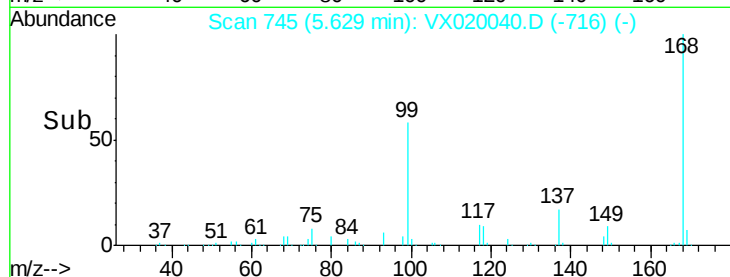
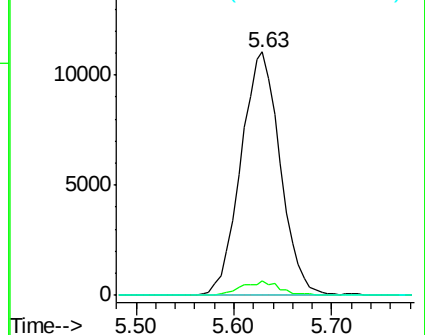
121 0.0 24.8 37.2#



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: 3.334 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX020040.D

Acq: 16 Dec 2020 03:01

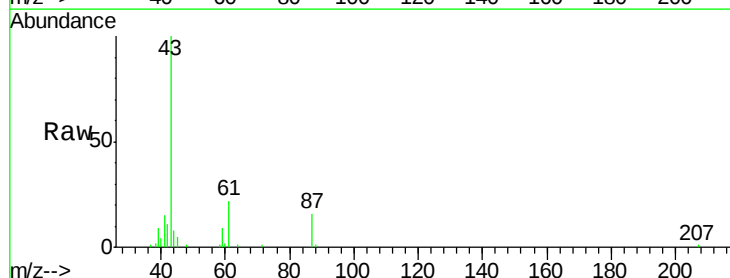
Tgt Ion: 43 Resp: 25655

Ion Ratio Lower Upper

43 100

61 22.5 18.2 27.4

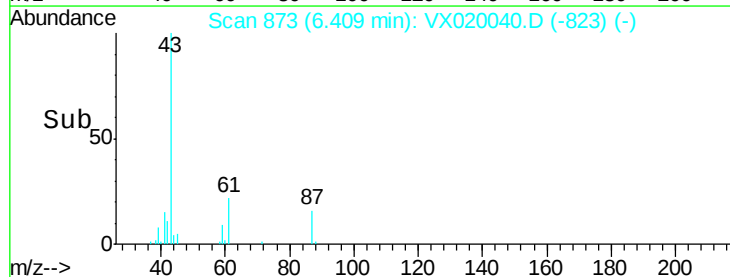
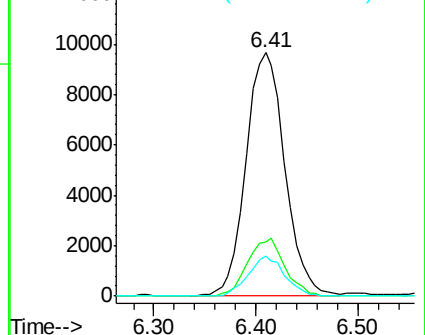
87 15.2 12.5 18.7

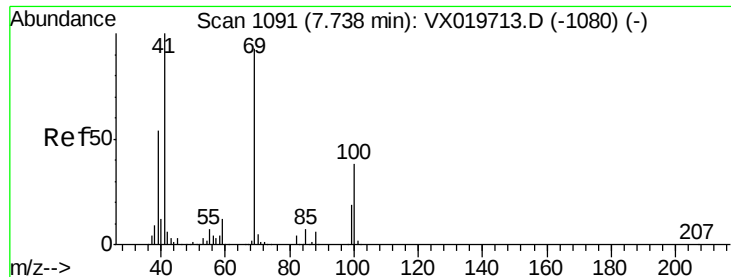


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

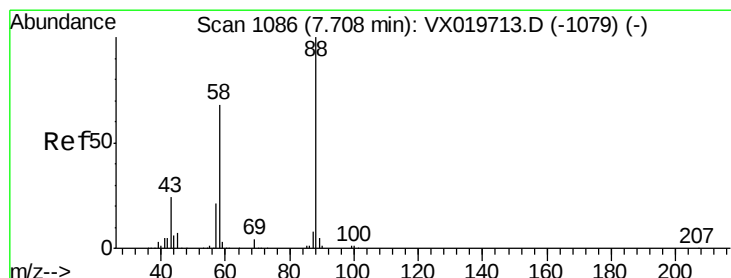
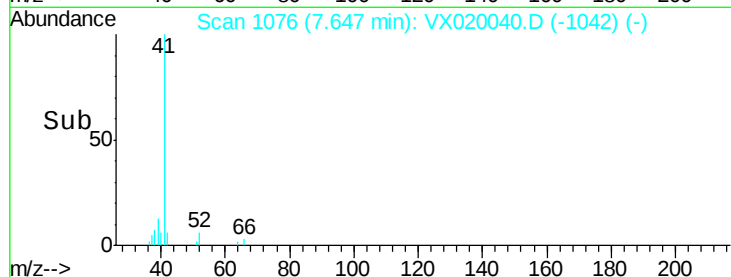
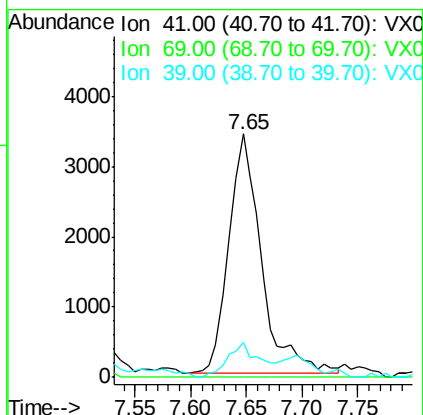
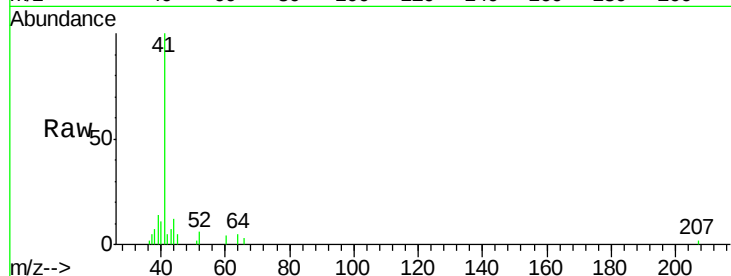




#48
Methyl methacrylate
Concen: 1.808 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

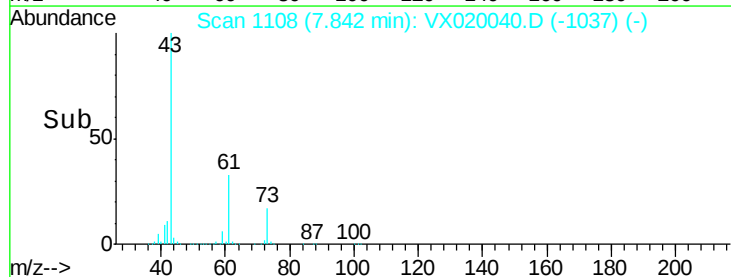
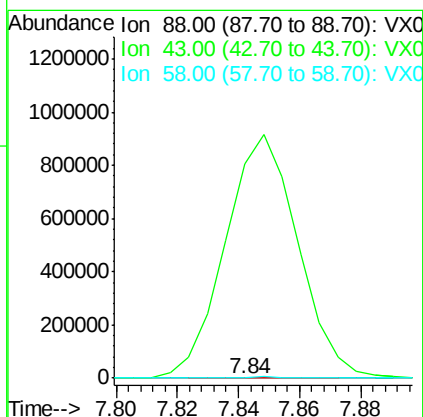
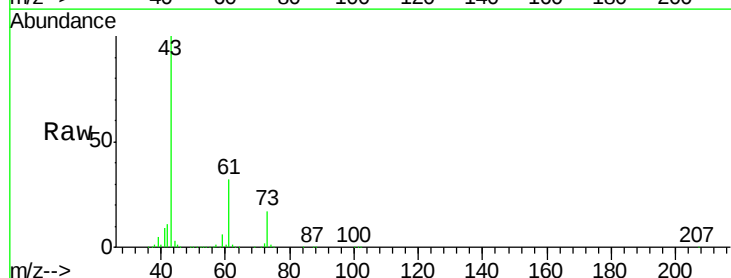
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#16

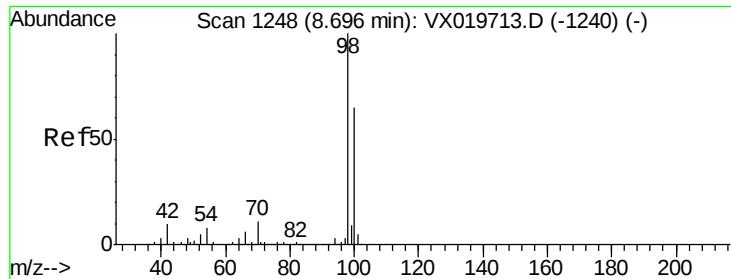
Tgt Ion: 41 Resp: 6844
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.945 ug/l
RT: 7.84 min Scan# 1108
Delta R.T. 0.13 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

Tgt Ion: 88 Resp: 270
Ion Ratio Lower Upper
88 100
43 561790.4 23.2 34.8#
58 2830.4 55.0 82.4#





#50

Toluene-d8

Concen: 49.996 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX020040.D

Acq: 16 Dec 2020 03:01

Instrument :

MSVOA_X

ClientSampleId :

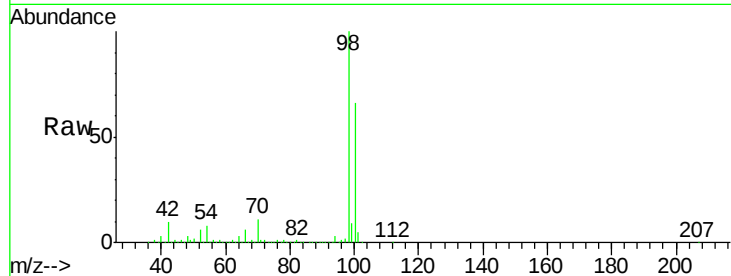
PB133610ZHE#16

Tgt Ion: 98 Resp: 639987

Ion Ratio Lower Upper

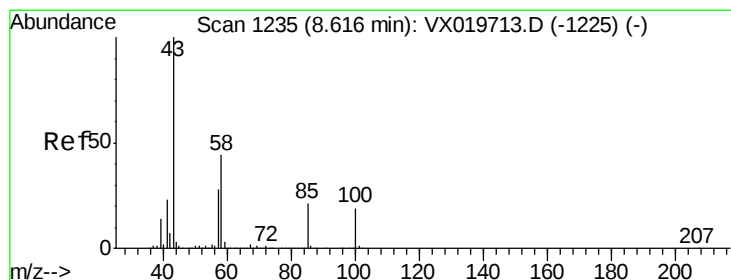
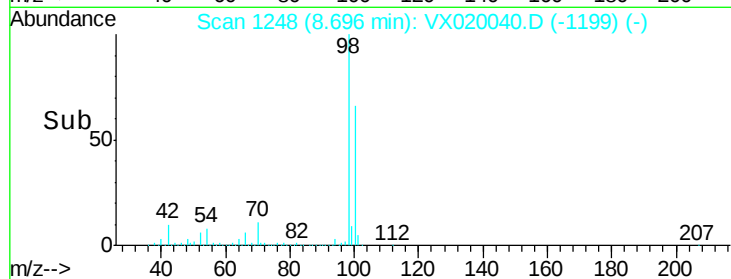
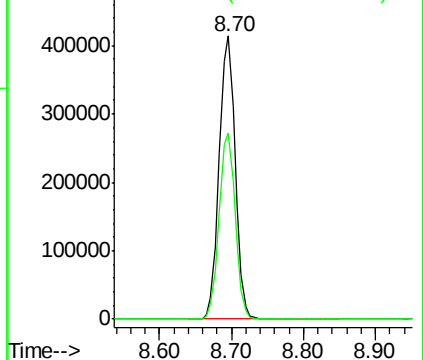
98 100

100 65.8 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: 20.099 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX020040.D

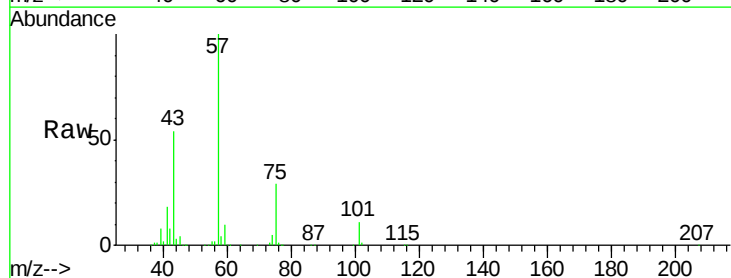
Acq: 16 Dec 2020 03:01

Tgt Ion: 43 Resp: 94431

Ion Ratio Lower Upper

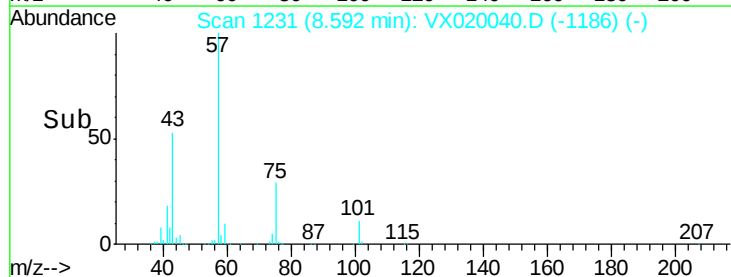
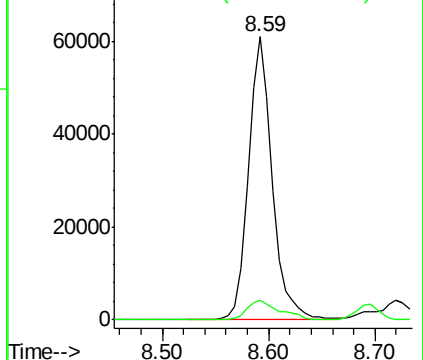
43 100

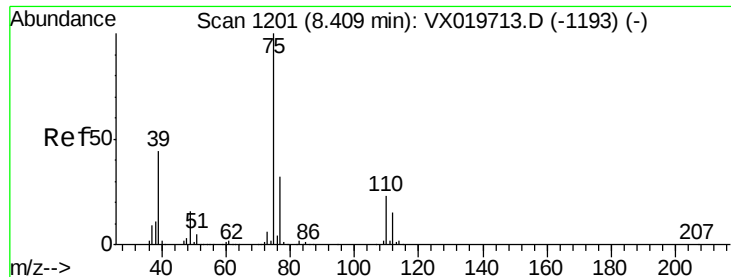
58 9.5 35.4 53.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

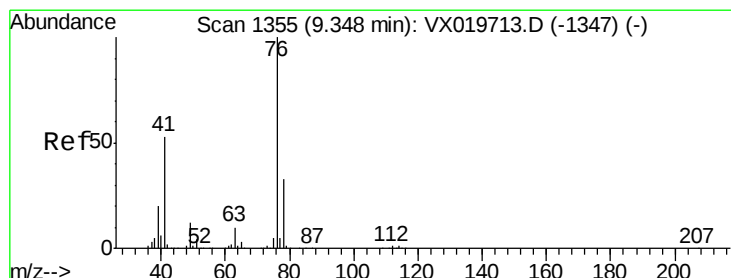
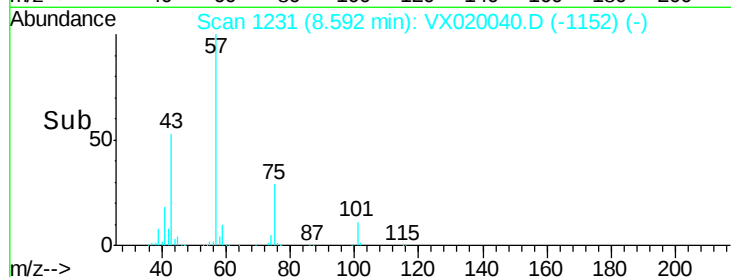
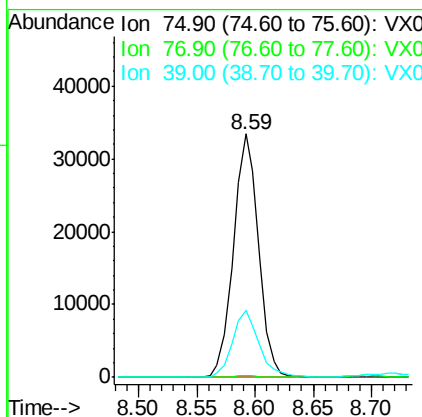
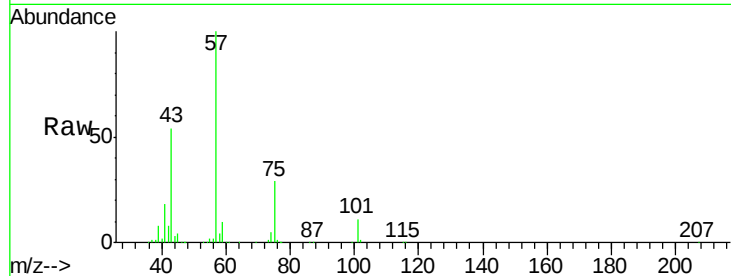




#54
 cis-1,3-Dichloropropene
 Concen: 8.663 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX020040.D
 Acq: 16 Dec 2020 03:01

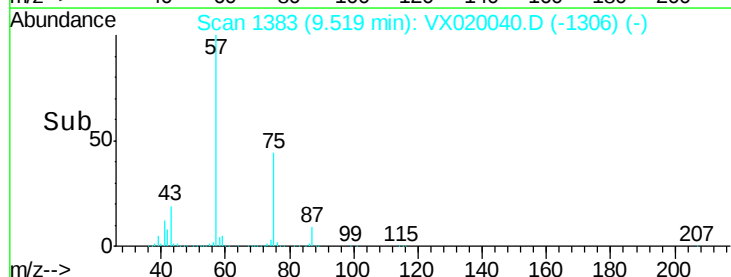
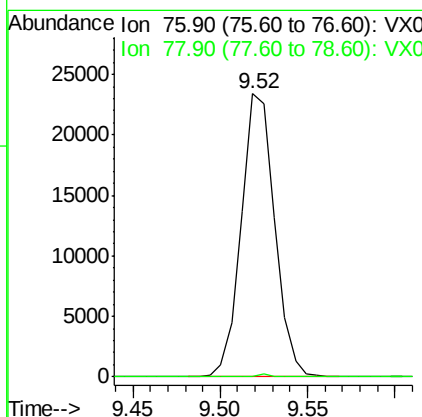
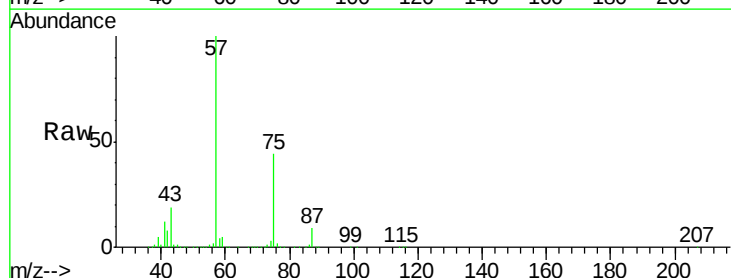
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#16

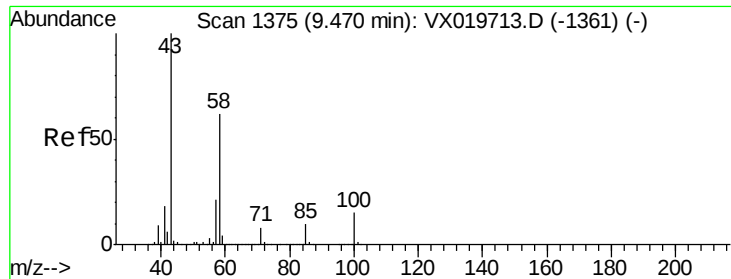
Tgt Ion: 75 Resp: 50093
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 27.4 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 5.046 ug/l
 RT: 9.52 min Scan# 1383
 Delta R.T. 0.17 min
 Lab File: VX020040.D
 Acq: 16 Dec 2020 03:01

Tgt Ion: 76 Resp: 31097
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

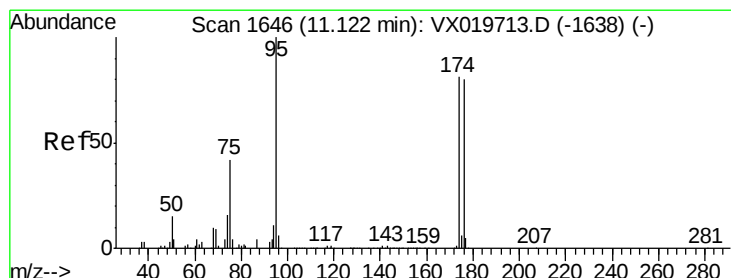
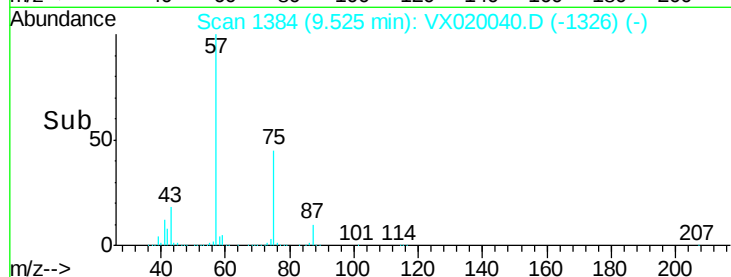
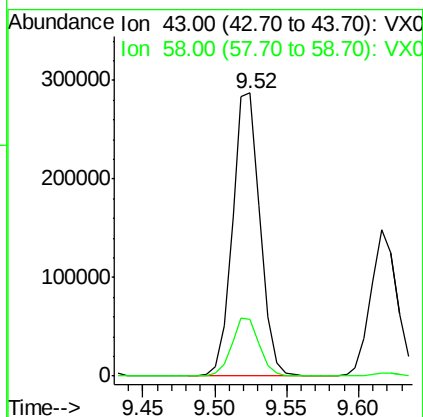
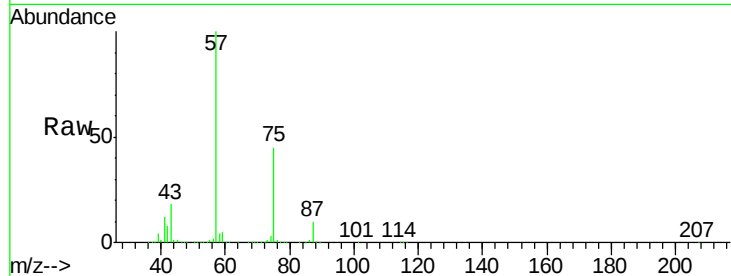




#59
2-Hexanone
Concen: 105.125 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

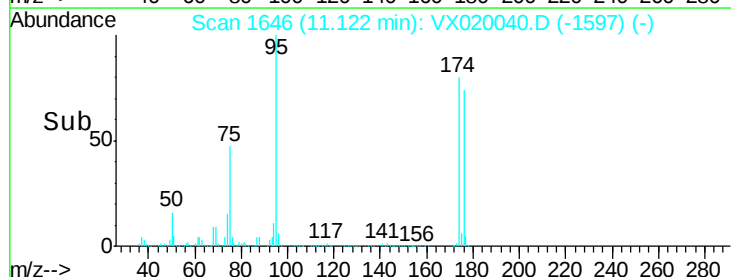
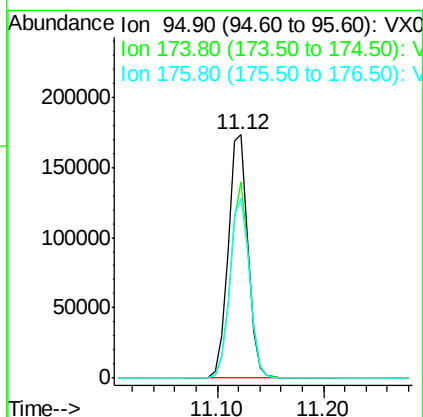
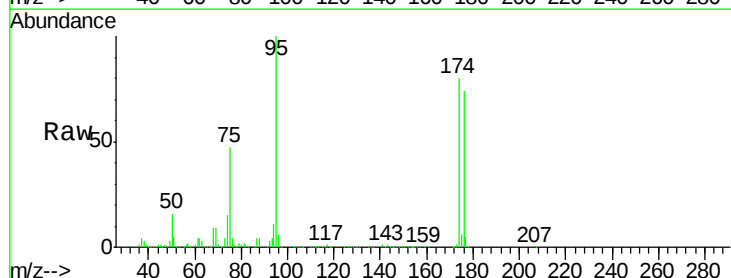
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#16

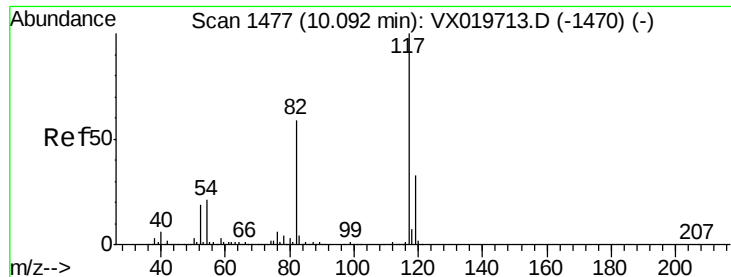
Tgt Ion: 43 Resp: 382853
Ion Ratio Lower Upper
43 100
58 20.9 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.067 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

Tgt Ion: 95 Resp: 224445
Ion Ratio Lower Upper
95 100
174 76.6 0.0 154.6
176 74.1 0.0 155.8

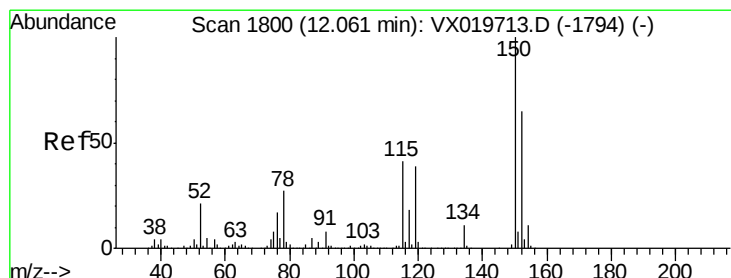
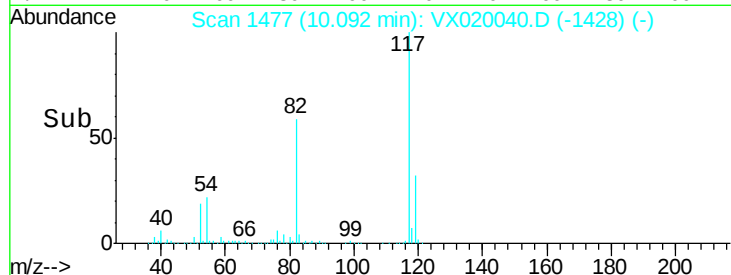
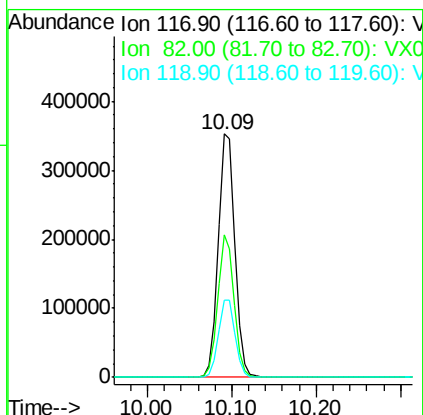
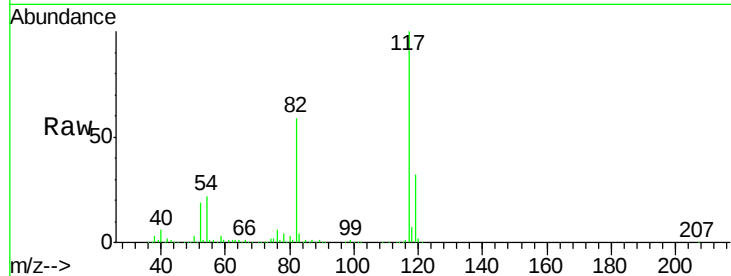




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

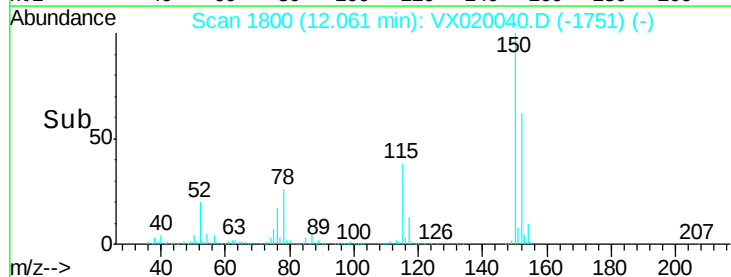
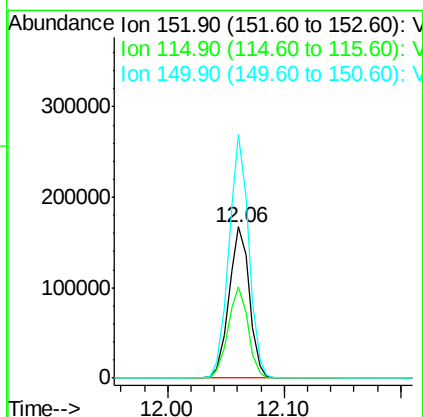
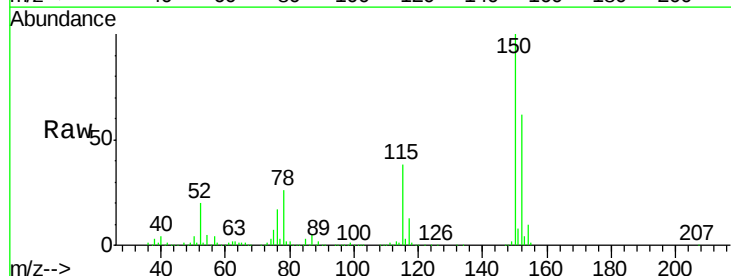
Instrument :
MSVOA_X
ClientSampleId :
PB133610ZHE#16

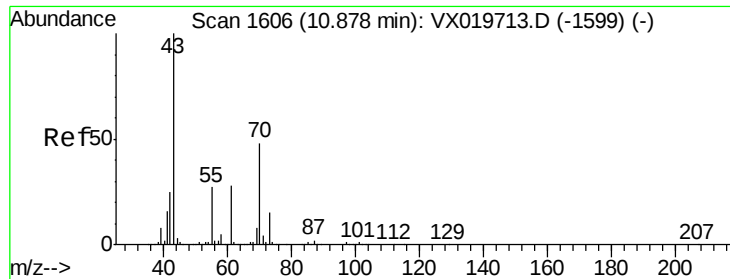
Tgt Ion:117 Resp: 484392
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX020040.D
Acq: 16 Dec 2020 03:01

Tgt Ion:152 Resp: 203349
Ion Ratio Lower Upper
152 100
115 59.5 41.1 123.3
150 156.1 0.0 349.0





#74

N-amyI acetate

Concen: 3.138 ug/l

RT: 10.68 min Scan# 1573

Delta R.T. -0.20 min

Lab File: VX020040.D

Acq: 16 Dec 2020 03:01

Instrument :

MSVOA_X

ClientSampleId :

PB133610ZHE#16

Tgt Ion: 43 Resp: 17470

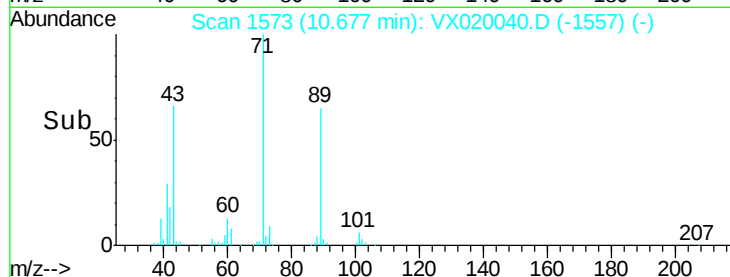
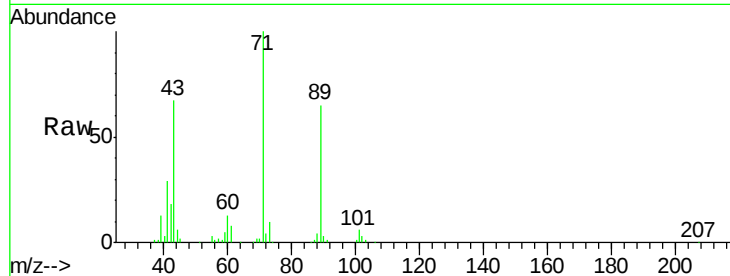
Ion Ratio Lower Upper

43 100

70 2.6 39.0 58.6#

55 5.3 21.5 32.3#

61 12.1 22.1 33.1#

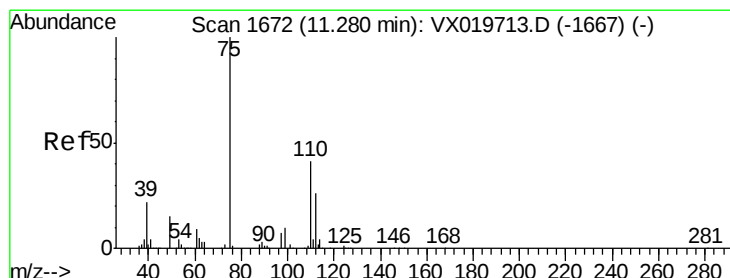
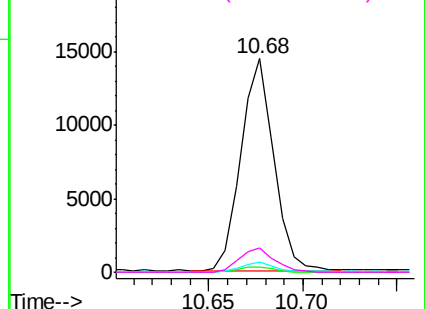


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.541 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX020040.D

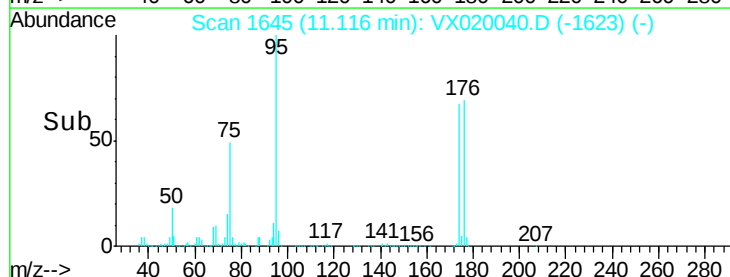
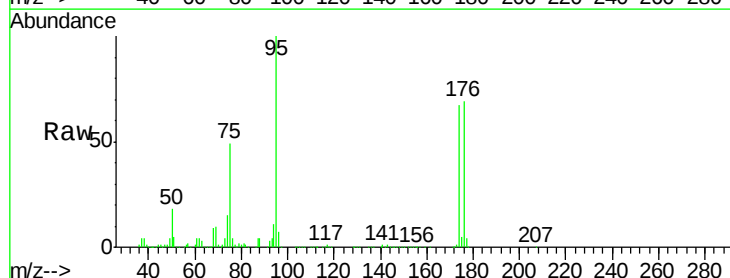
Acq: 16 Dec 2020 03:01

Tgt Ion: 75 Resp: 107367

Ion Ratio Lower Upper

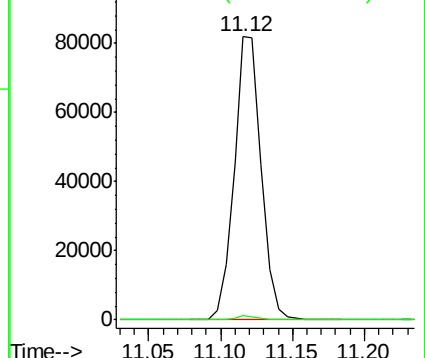
75 100

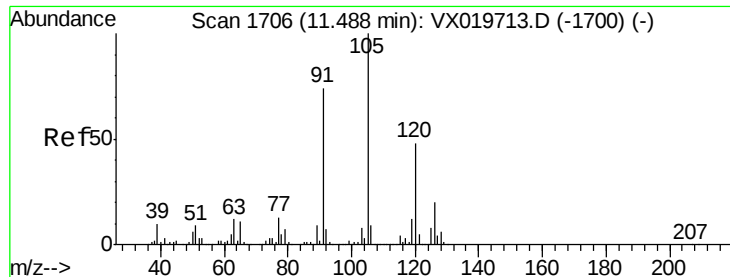
77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

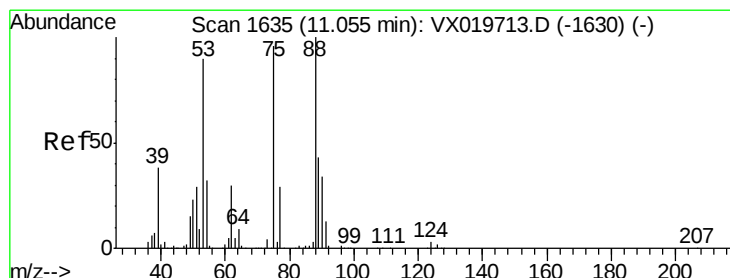
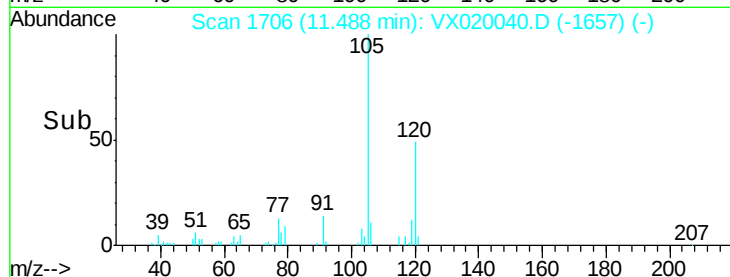
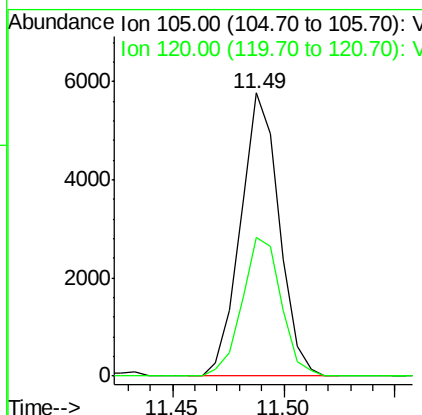
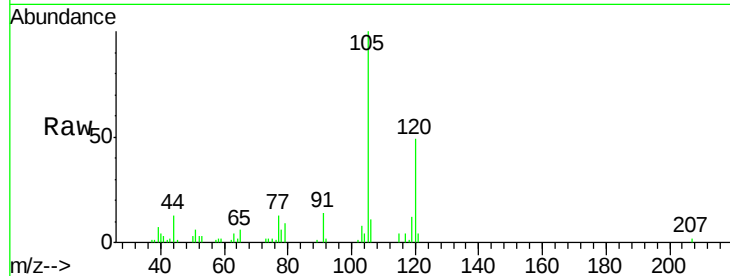




#80
 1,3,5-Trimethylbenzene
 Concen: 0.595 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX020040.D
 Acq: 16 Dec 2020 03:01

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133610ZHE#16

Tgt Ion: 105 Resp: 6977
 Ion Ratio Lower Upper
 105 100
 120 49.6 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.054 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. 0.06 min
 Lab File: VX020040.D
 Acq: 16 Dec 2020 03:01

Tgt Ion: 75 Resp: 107367
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

