

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019965.D
 Acq On : 13 Dec 2020 04:48
 Operator : JC/MD
 Sample : PB133565ZHE#17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133565ZHE#17

Quant Time: Dec 14 08:24:50 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	306443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	509132	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	477719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203185	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	197171	48.96	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.92%	
35) Dibromofluoromethane		5.46	113	158678	48.22	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.44%	
50) Toluene-d8		8.70	98	638155	50.80	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.60%	
62) 4-Bromofluorobenzene		11.12	95	225420	47.15	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.30%	

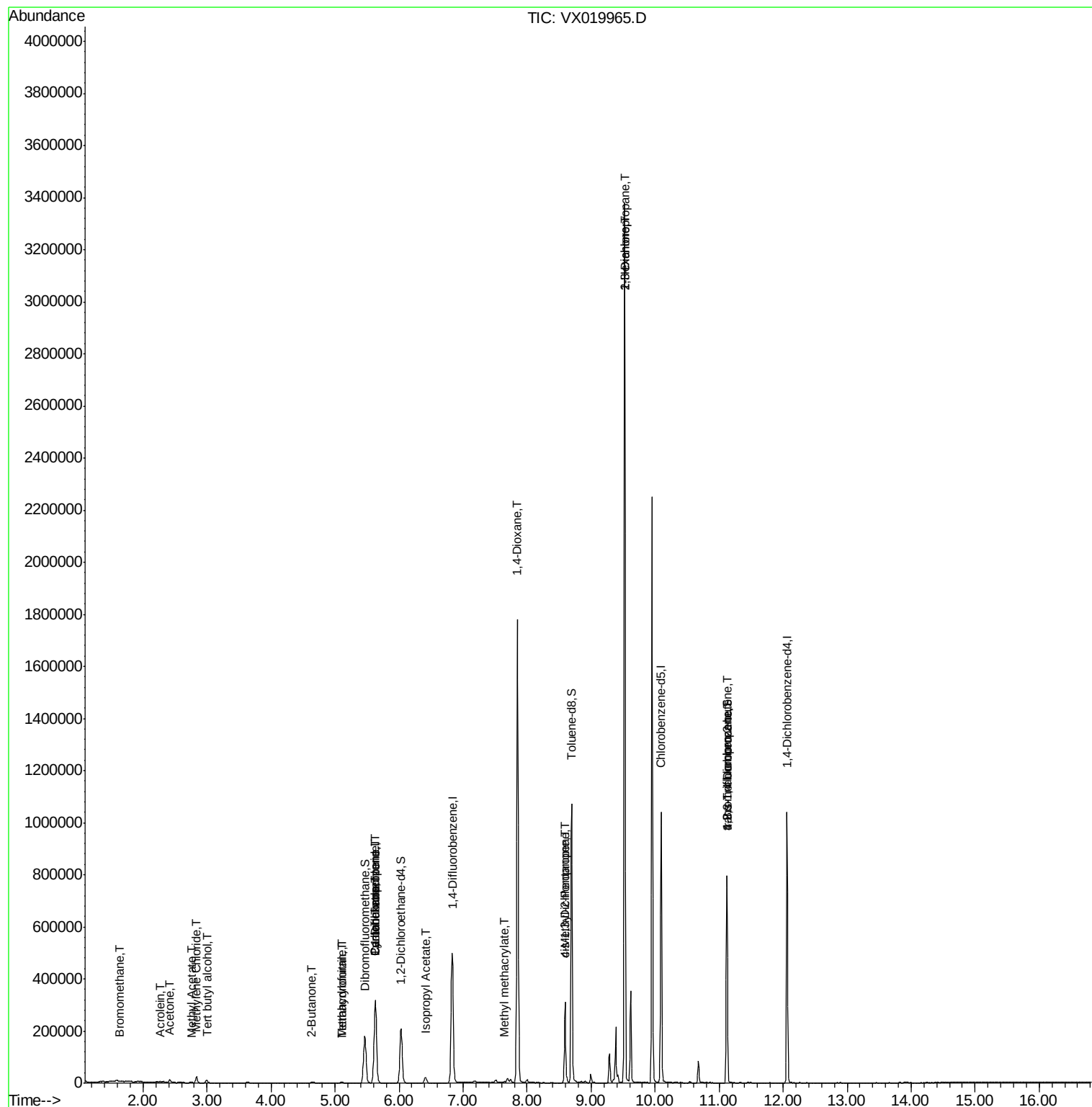
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	472	0.409	ug/l #	51
11) Tert butyl alcohol	3.00	59	6242	4.977	ug/l #	73
13) Acrolein	2.27	56	134	0.301	ug/l #	1
16) Acetone	2.42	43	11738	7.754	ug/l	98
18) Methyl Acetate	2.75	43	3507	0.947	ug/l #	88
20) Methylene Chloride	2.84	84	11148	1.856	ug/l	97
25) 2-Butanone	4.64	43	3588	1.542	ug/l	98
29) Tetrahydrofuran	5.10	42	1790	1.194	ug/l #	85
31) Cyclohexane	5.62	56	6069	1.211	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23288	5.062	ug/l #	48
38) Carbon Tetrachloride	5.63	117	30610	6.794	ug/l #	17
41) Methacrylonitrile	5.10	41	1171	0.459	ug/l #	42
43) Isopropyl Acetate	6.41	43	27656	3.662	ug/l	98
48) Methyl methacrylate	7.65	41	6842	1.842	ug/l #	10
49) 1,4-Dioxane	7.85	88	231	2.567	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	95451	20.702	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	50796	8.952	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	29938	4.950	ug/l #	43
59) 2-Hexanone	9.52	43	374198	104.701	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	106957	23.470	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	106957	67.849	ug/l #	12

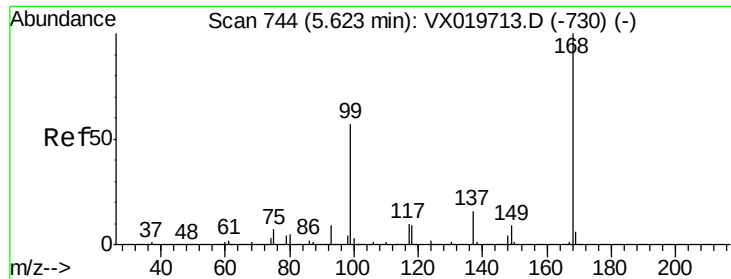
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
Data File : VX019965.D
Acq On : 13 Dec 2020 04:48
Operator : JC/MD
Sample : PB133565ZHE#17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#17

Quant Time: Dec 14 08:24:50 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: VX019965.D

Acq: 13 Dec 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

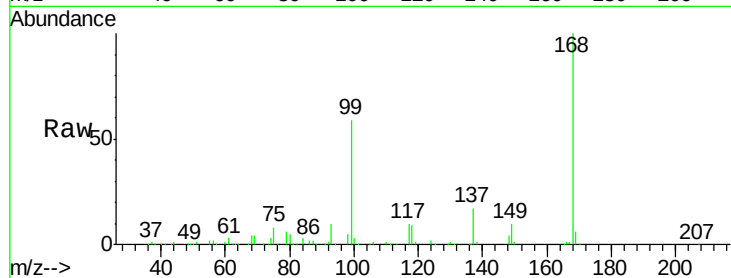
PB133565ZHE#17

Tgt Ion: 168 Resp: 306443

Ion Ratio Lower Upper

168 100

99 59.1 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

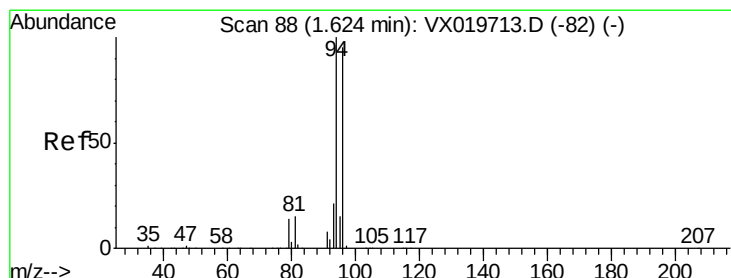
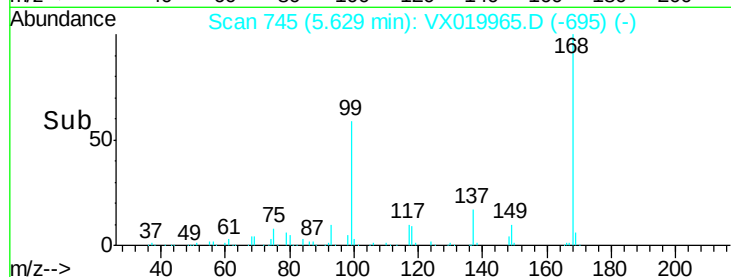
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.409 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019965.D

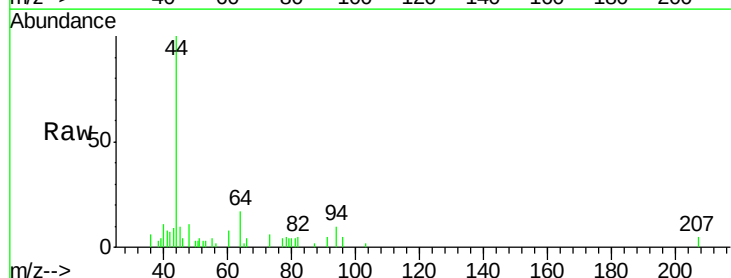
Acq: 13 Dec 2020 04:48

Tgt Ion: 94 Resp: 472

Ion Ratio Lower Upper

94 100

96 47.8 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

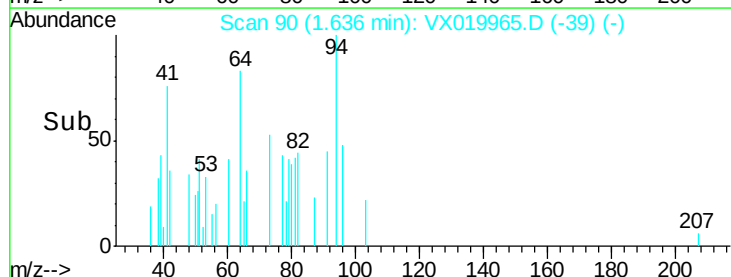
150

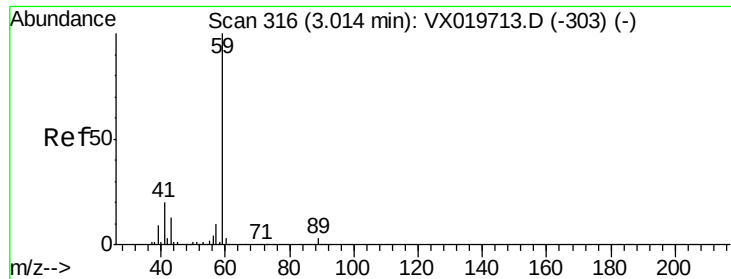
100

50

0

Time-->

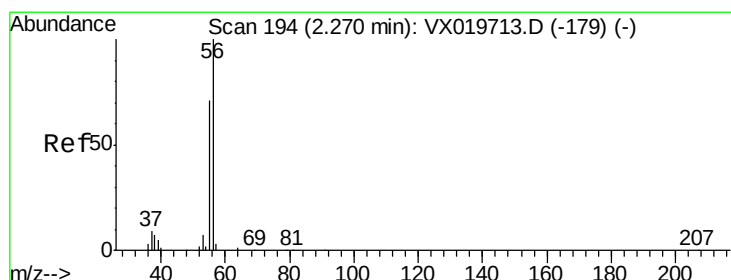
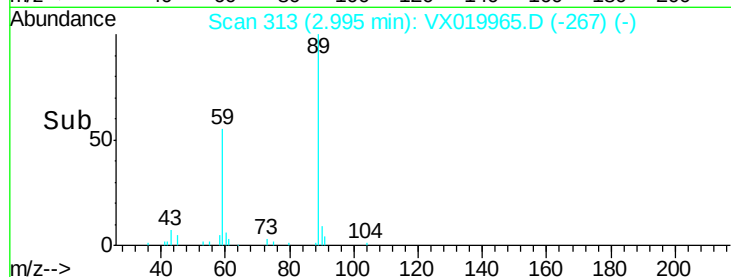
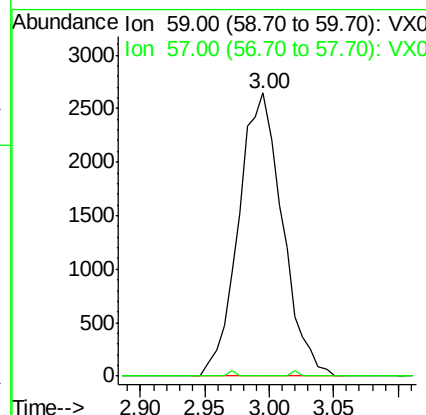
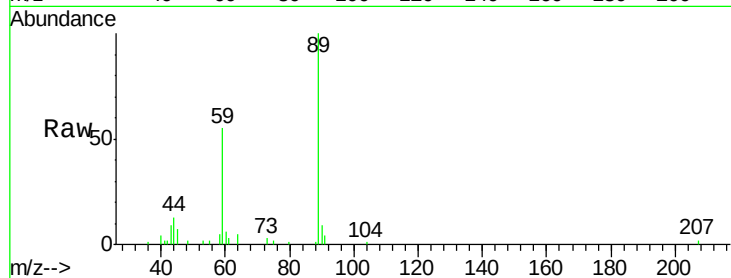




#11
Tert butyl alcohol
Concen: 4.977 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX019965.D
Acq: 13 Dec 2020 04:48

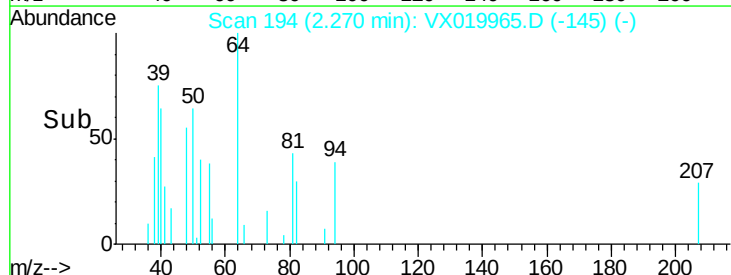
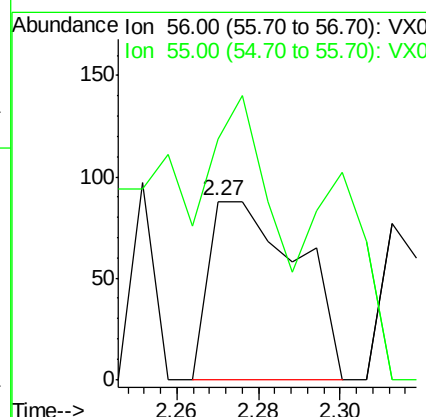
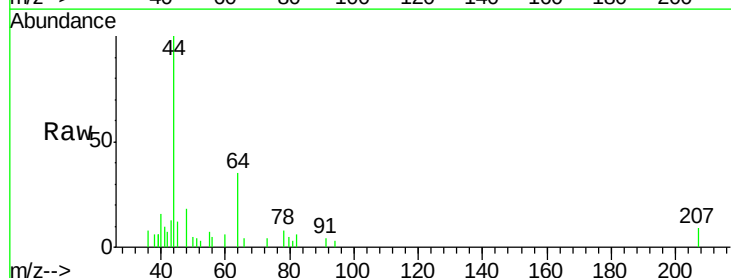
Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#17

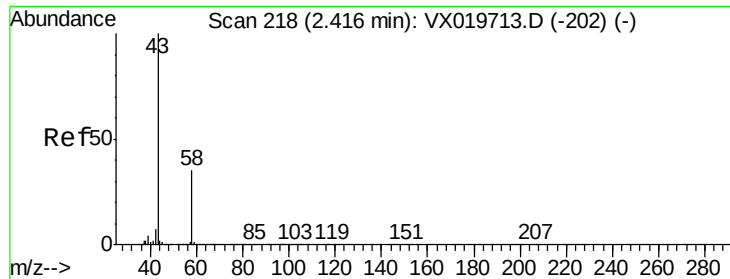
Tgt Ion: 59 Resp: 6242
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.301 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX019965.D
Acq: 13 Dec 2020 04:48

Tgt Ion: 56 Resp: 134
Ion Ratio Lower Upper
56 100
55 328.4 56.4 84.6#





#16

Acetone

Concen: 7.754 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019965.D

Acq: 13 Dec 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

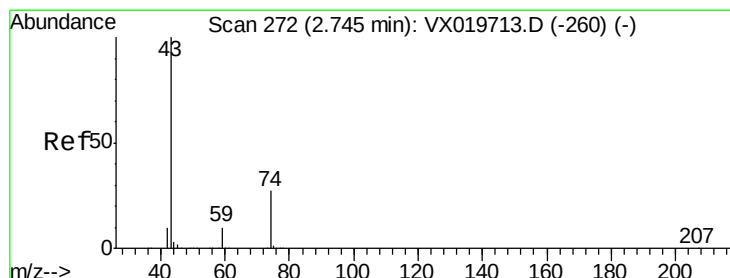
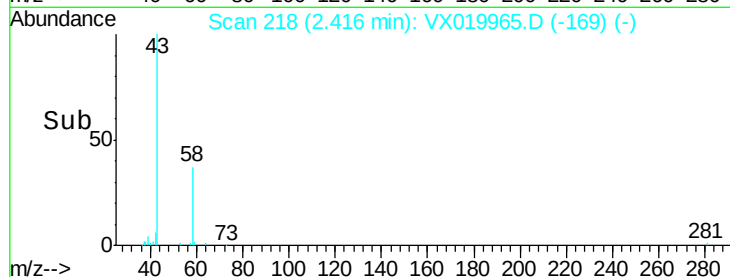
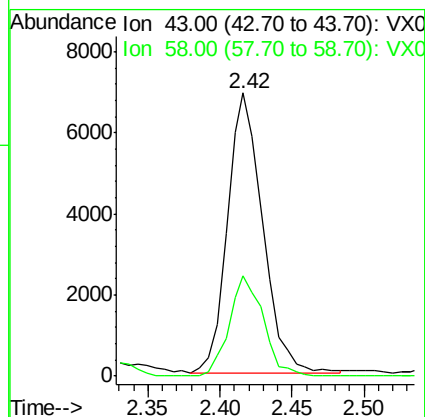
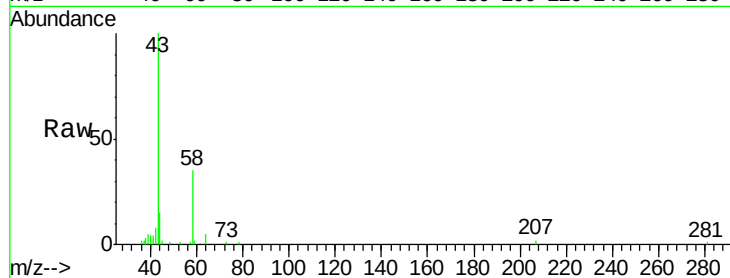
PB133565ZHE#17

Tgt Ion: 43 Resp: 11738

Ion Ratio Lower Upper

43 100

58 35.9 27.8 41.8



#18

Methyl Acetate

Concen: 0.947 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX019965.D

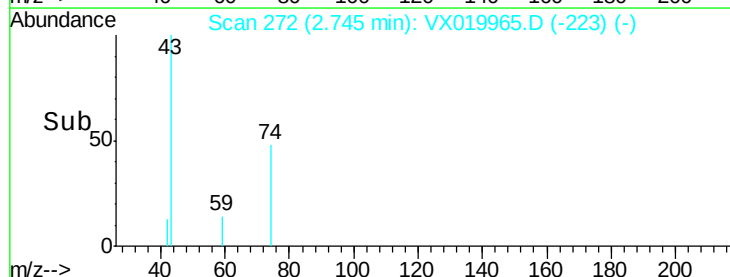
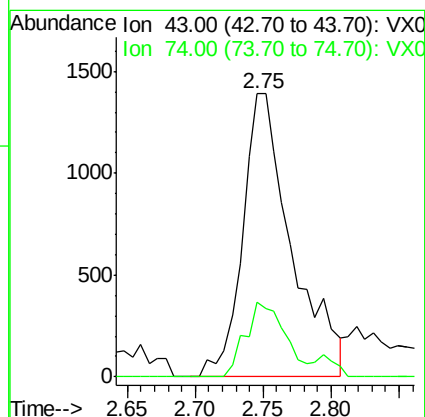
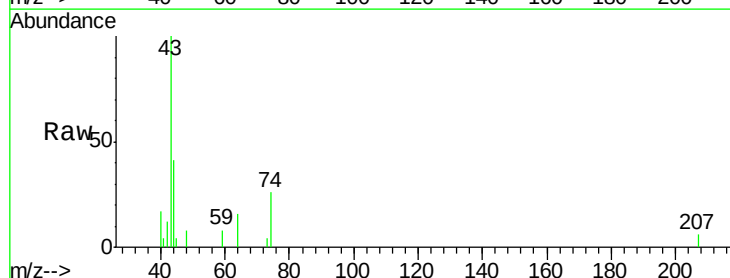
Acq: 13 Dec 2020 04:48

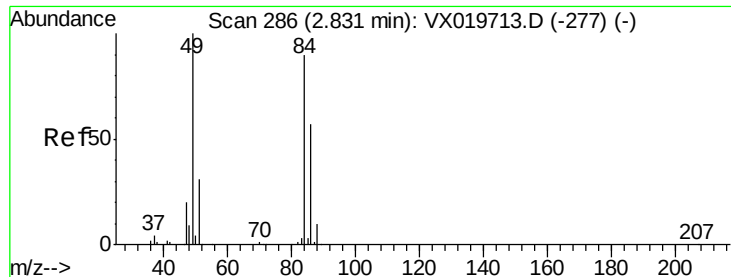
Tgt Ion: 43 Resp: 3507

Ion Ratio Lower Upper

43 100

74 21.3 21.9 32.9#

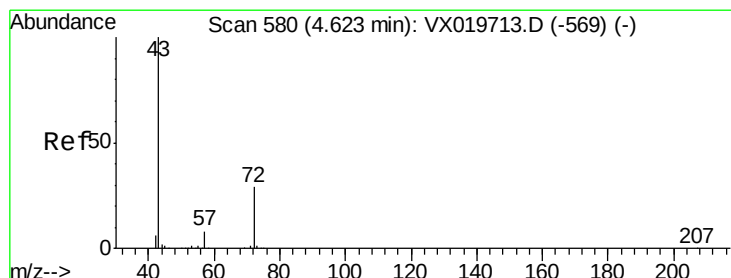
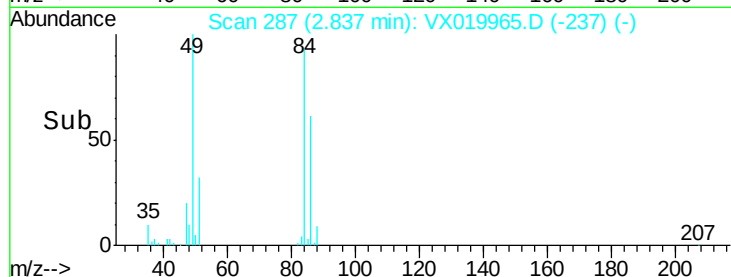
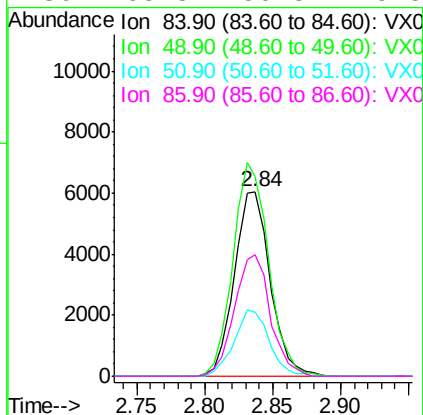
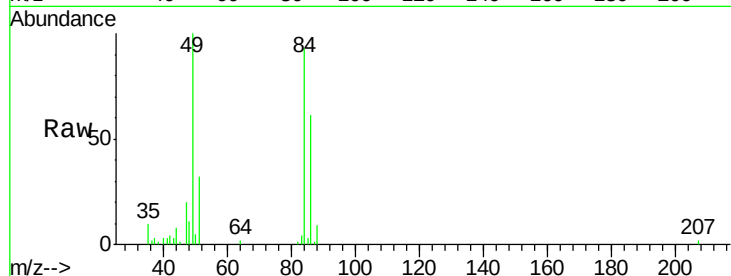




#20
Methylene Chloride
Concen: 1.856 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019965.D
Acq: 13 Dec 2020 04:48

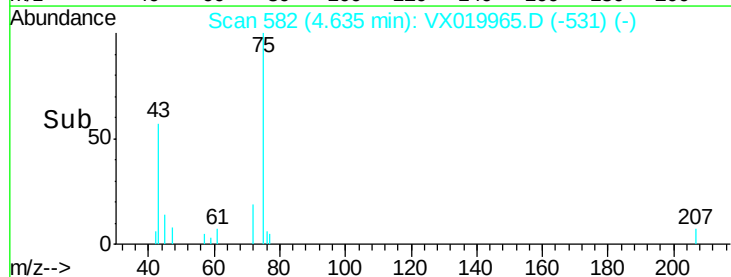
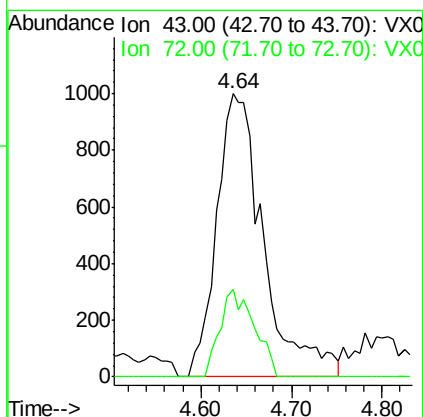
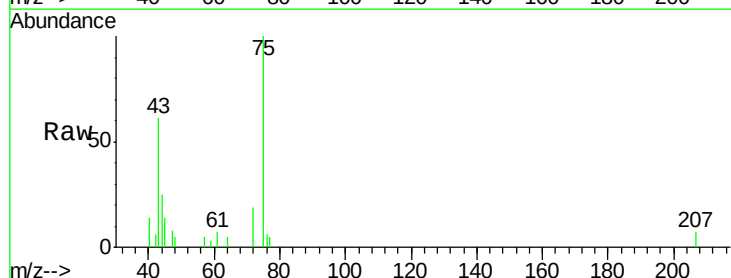
Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#17

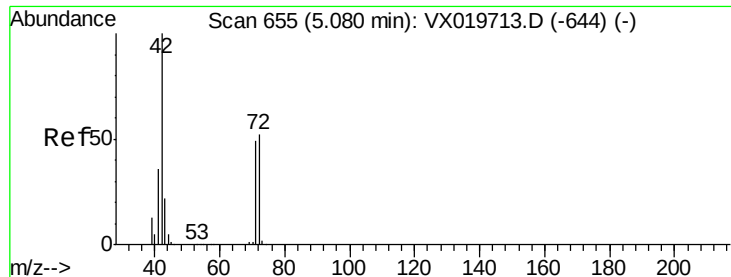
Tgt Ion:	84	Resp:	11148
Ion	Ratio	Lower	Upper
84	100		
49	108.1	88.6	132.8
51	35.0	27.0	40.6
86	65.8	50.3	75.5



#25
2-Butanone
Concen: 1.542 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX019965.D
Acq: 13 Dec 2020 04:48

Tgt Ion:	43	Resp:	3588
Ion	Ratio	Lower	Upper
43	100		
72	30.9	23.7	35.5

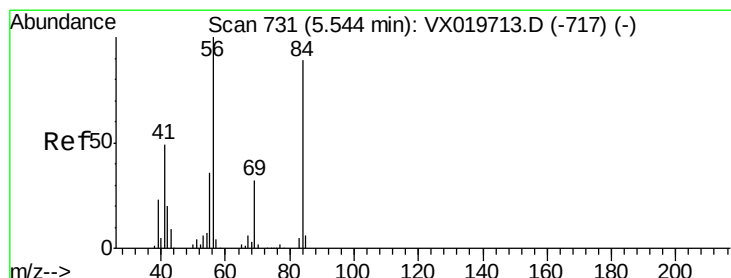
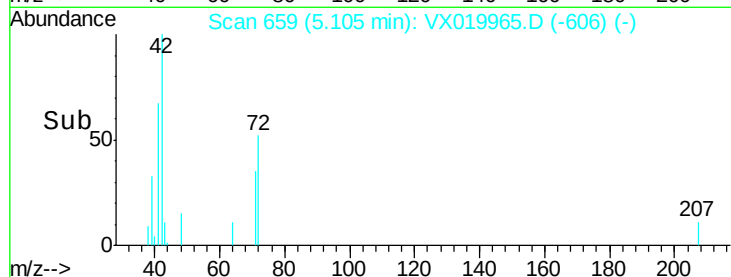
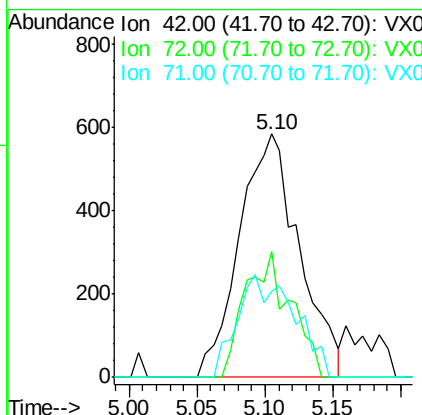
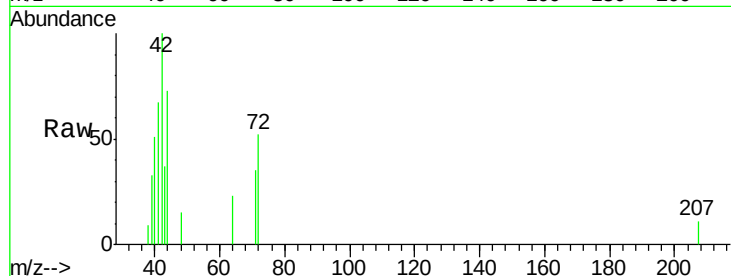




#29
Tetrahydrofuran
Concen: 1.194 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019965.D
Acq: 13 Dec 2020 04:48

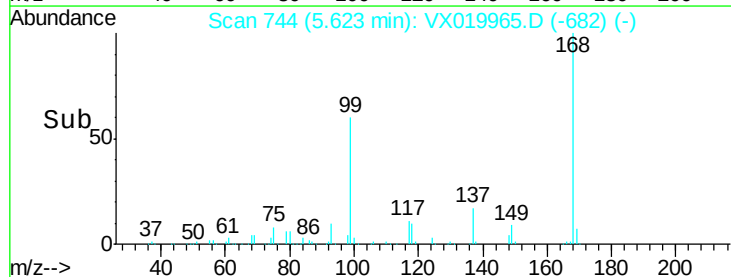
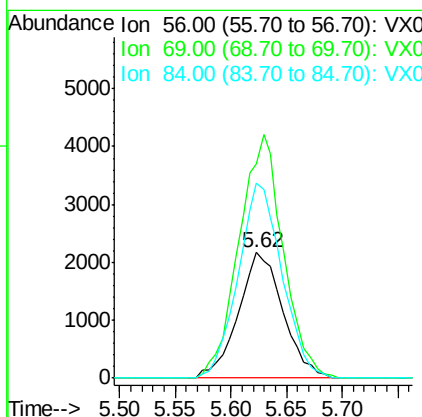
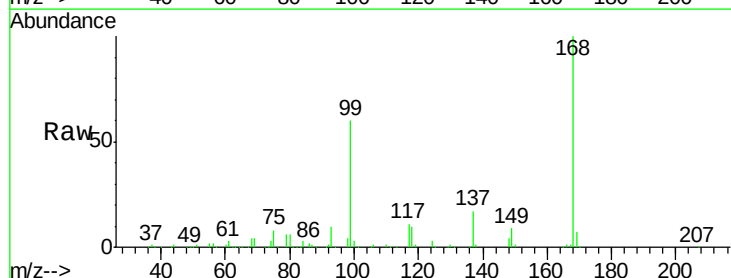
Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#17

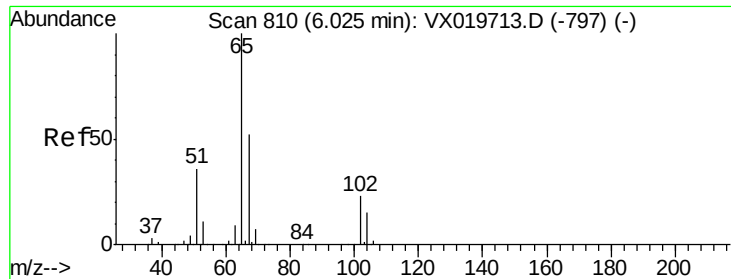
Tgt Ion: 42 Resp: 1790
Ion Ratio Lower Upper
42 100
72 39.6 41.7 62.5#
71 40.3 38.4 57.6



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019965.D
Acq: 13 Dec 2020 04:48

Tgt Ion: 56 Resp: 6069
Ion Ratio Lower Upper
56 100
69 171.0 25.3 37.9#
84 155.5 71.4 107.0#

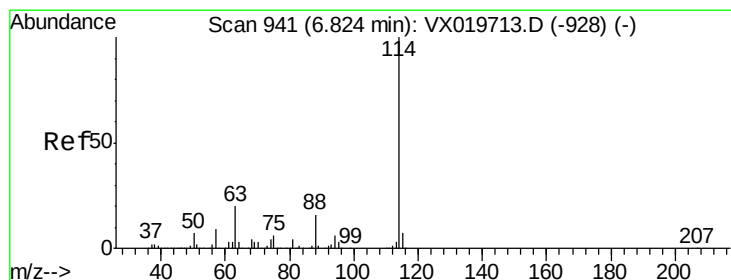
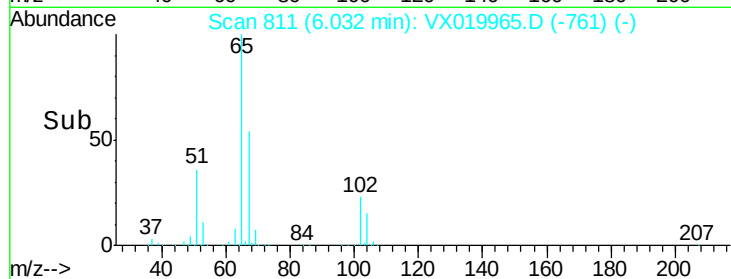
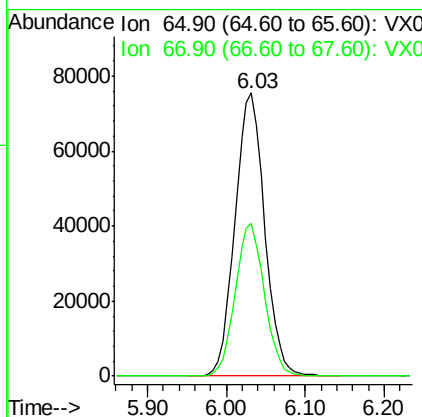
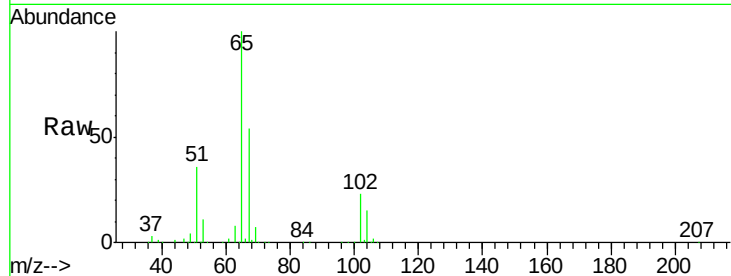




#33
 1,2-Dichloroethane-d4
 Concen: 48.955 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019965.D
 Acq: 13 Dec 2020 04:48

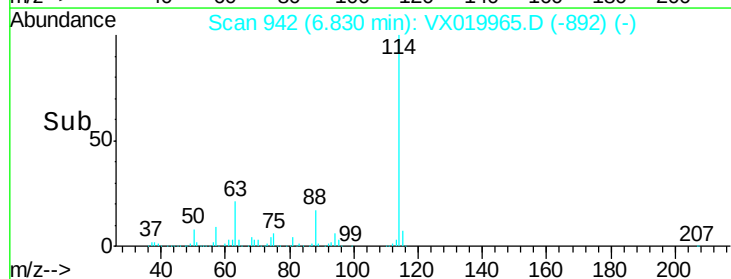
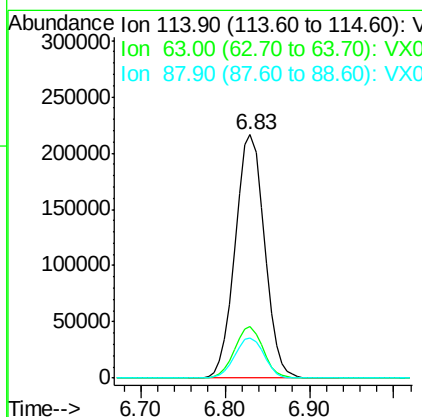
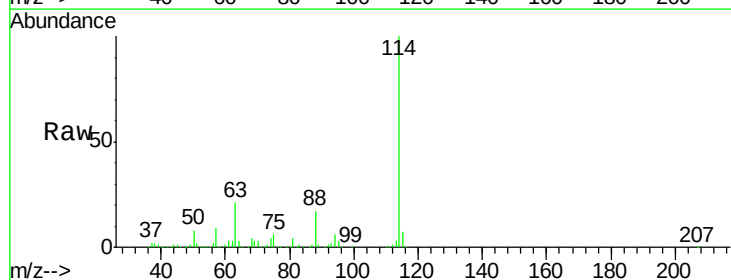
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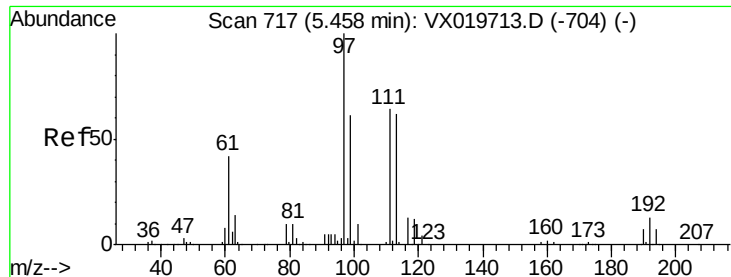
Tgt Ion: 65 Resp: 197171
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019965.D
 Acq: 13 Dec 2020 04:48

Tgt Ion: 114 Resp: 509132
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.8
 88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.224 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019965.D

Acq: 13 Dec 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#17

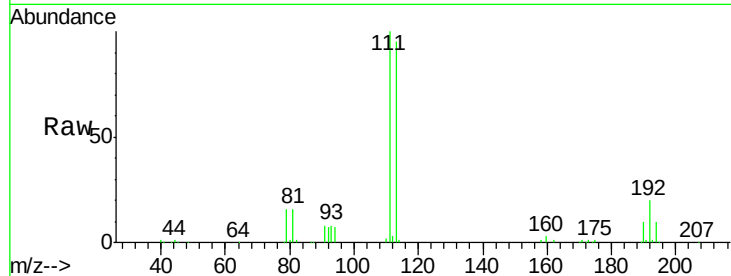
Tgt Ion:113 Resp: 158678

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

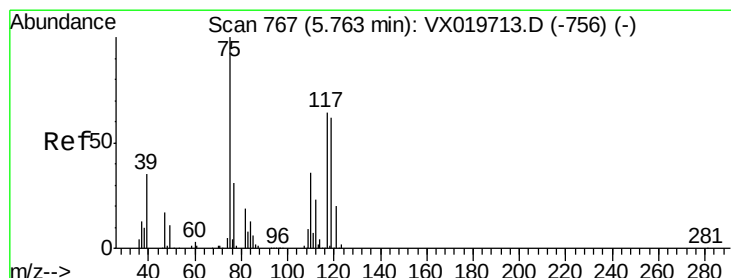
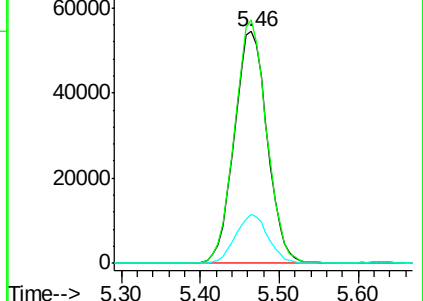
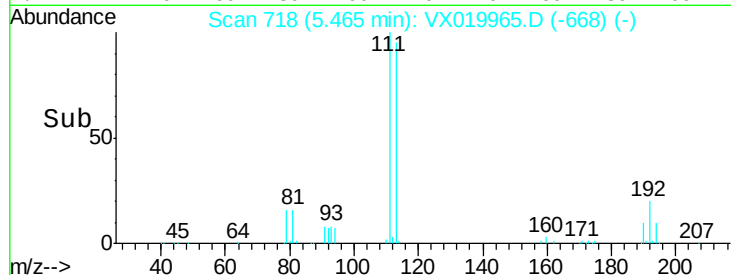
192 20.7 16.7 25.1



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: 5.062 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019965.D

Acq: 13 Dec 2020 04:48

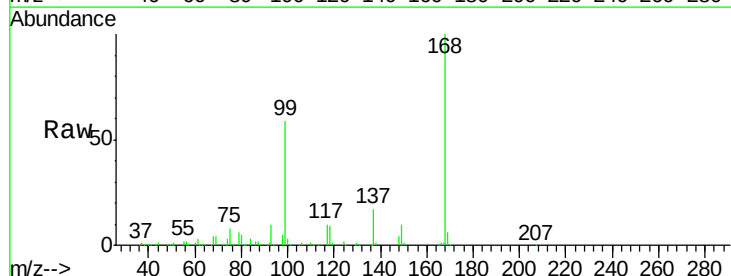
Tgt Ion: 75 Resp: 23288

Ion Ratio Lower Upper

75 100

110 7.9 18.1 54.4#

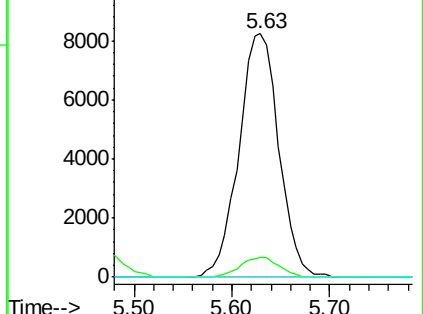
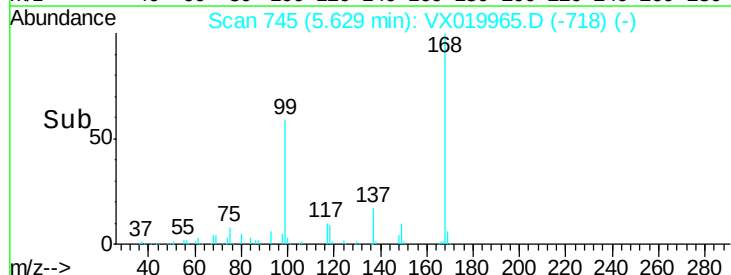
77 0.0 25.3 37.9#

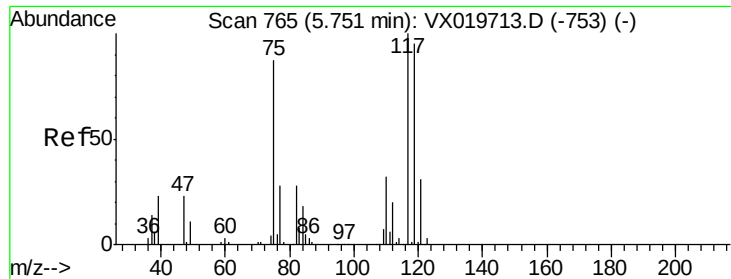


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

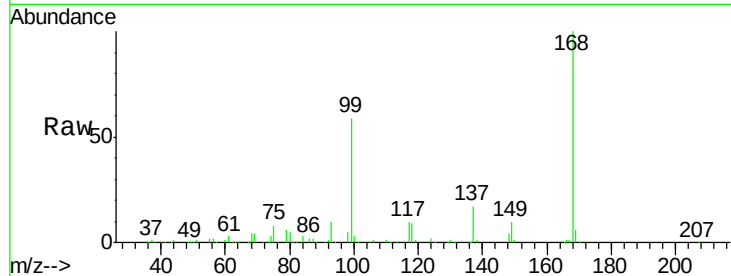




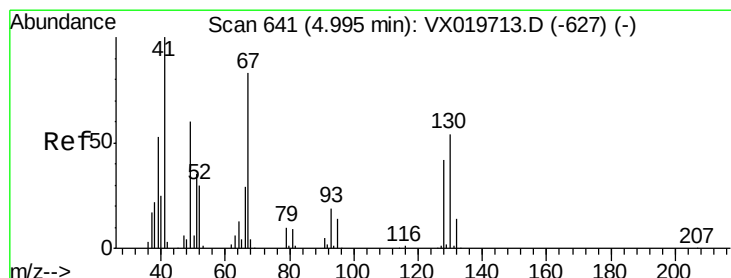
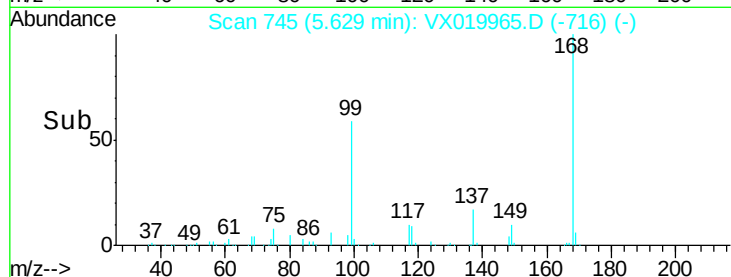
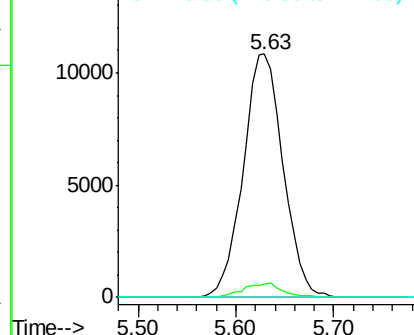
#38
Carbon Tetrachloride
Concen: 6.794 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019965.D
Acq: 13 Dec 2020 04:48

Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#17

Tgt Ion: 117 Resp: 30610
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

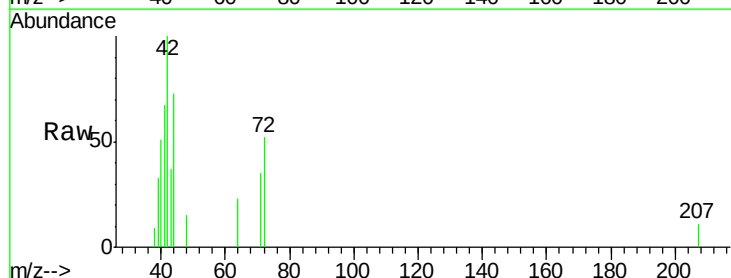


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

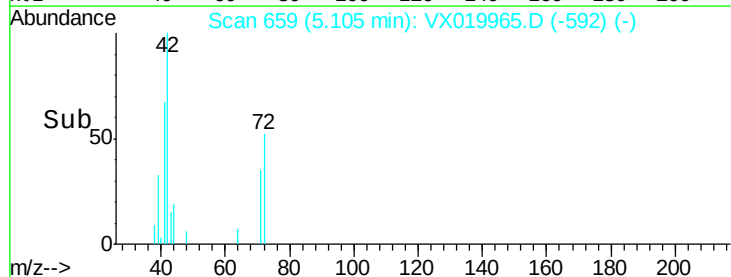
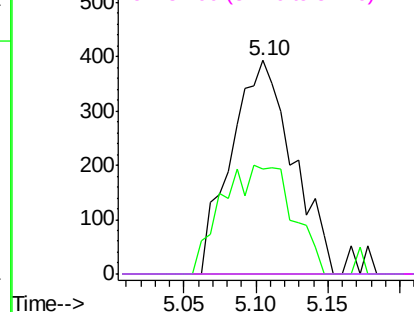


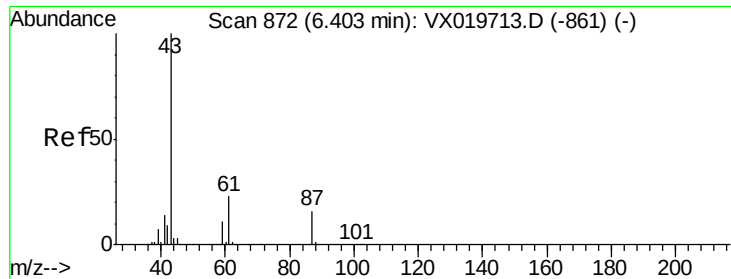
#41
Methacrylonitrile
Concen: 0.459 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.11 min
Lab File: VX019965.D
Acq: 13 Dec 2020 04:48

Tgt Ion: 41 Resp: 1171
Ion Ratio Lower Upper
41 100
39 58.6 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0





#43

Isopropyl Acetate

Concen: 3.662 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019965.D

Acq: 13 Dec 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#17

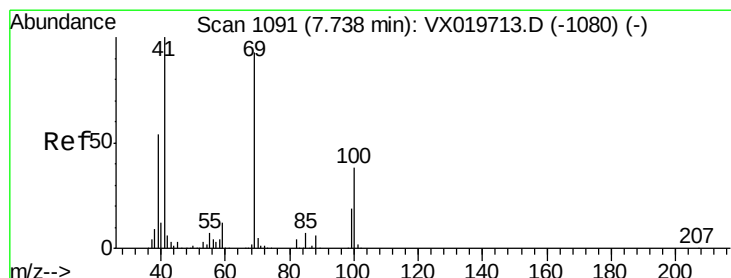
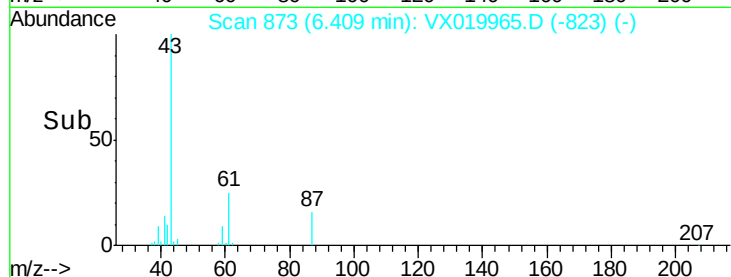
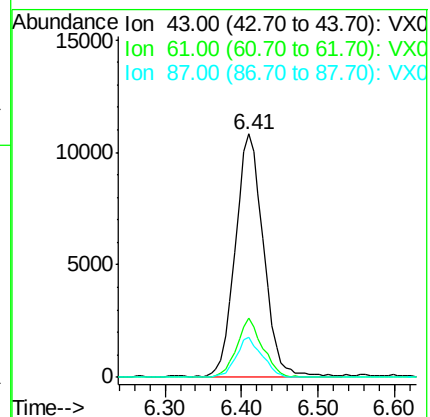
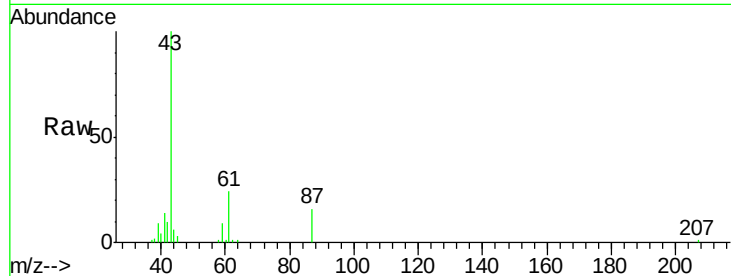
Tgt Ion: 43 Resp: 27656

Ion Ratio Lower Upper

43 100

61 21.9 18.2 27.4

87 14.9 12.5 18.7



#48

Methyl methacrylate

Concen: 1.842 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. -0.09 min

Lab File: VX019965.D

Acq: 13 Dec 2020 04:48

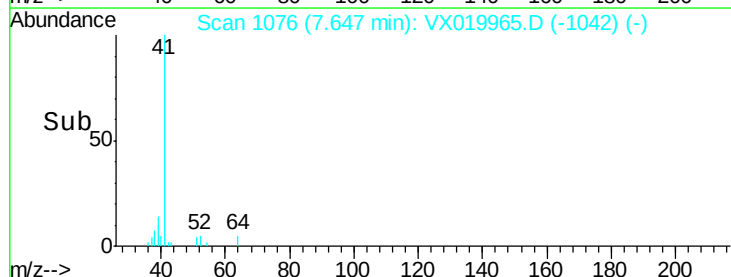
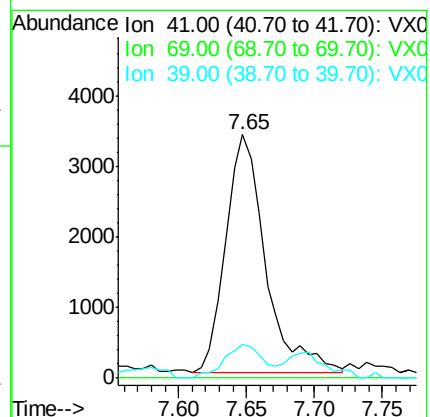
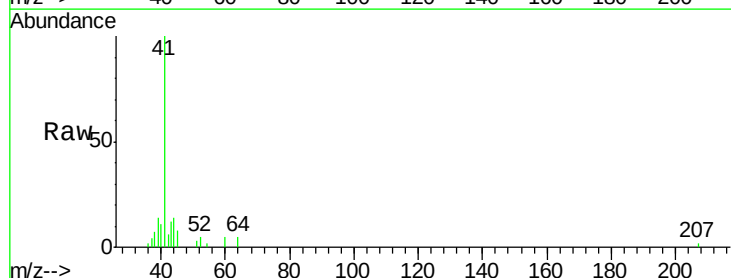
Tgt Ion: 41 Resp: 6842

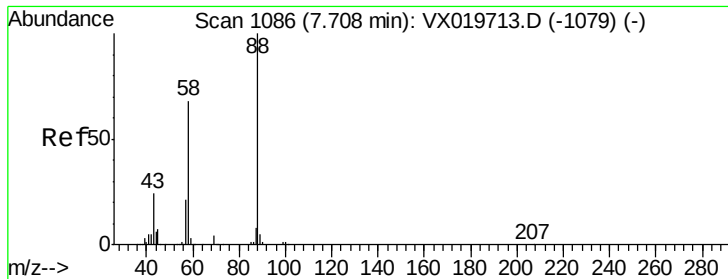
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 2.567 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.14 min

Lab File: VX019965.D

Acq: 13 Dec 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#17

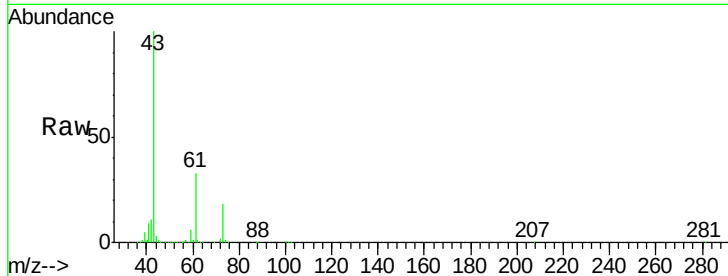
Tgt Ion: 88 Resp: 231

Ion Ratio Lower Upper

88 100

43 657577.9 23.2 34.8#

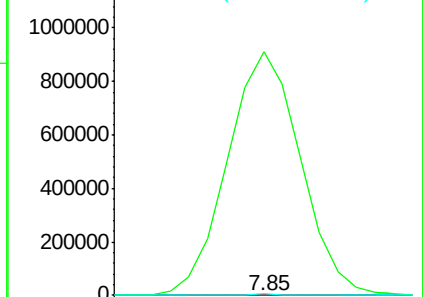
58 3366.2 55.0 82.4#



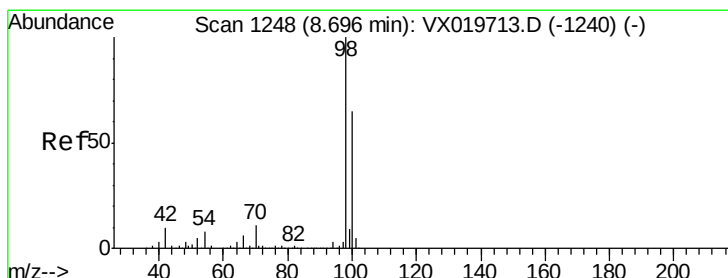
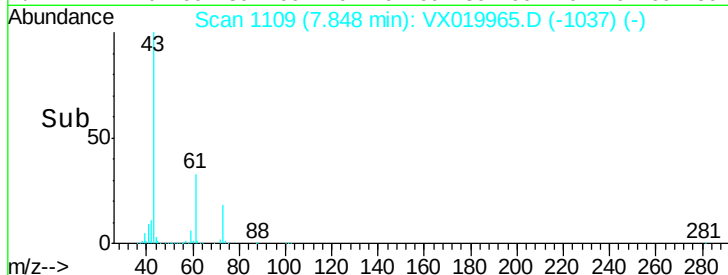
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 50.800 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019965.D

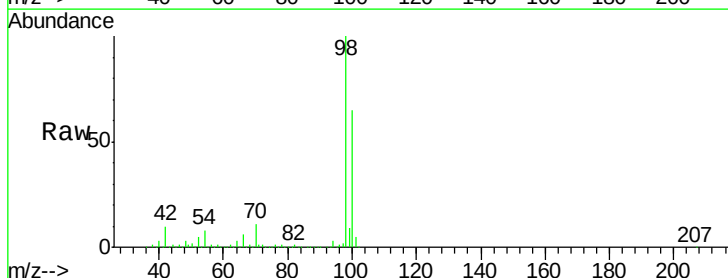
Acq: 13 Dec 2020 04:48

Tgt Ion: 98 Resp: 638155

Ion Ratio Lower Upper

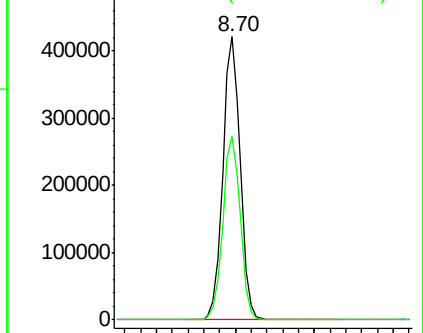
98 100

100 65.4 51.9 77.9

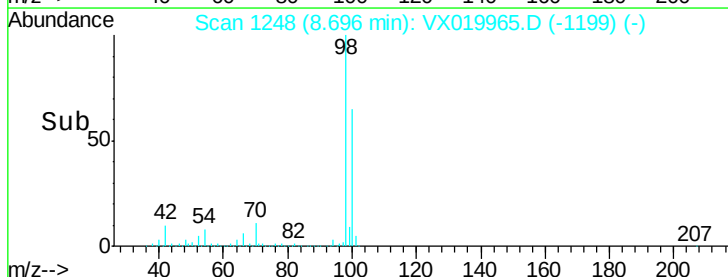


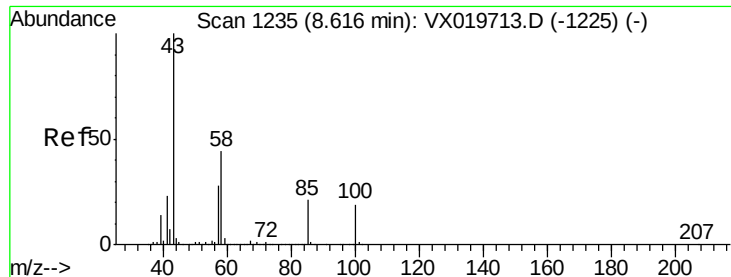
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 20.702 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX019965.D

Acq: 13 Dec 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

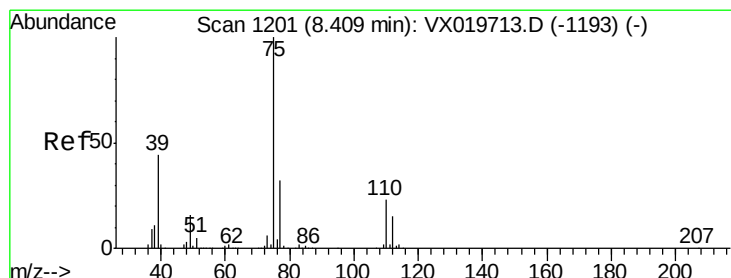
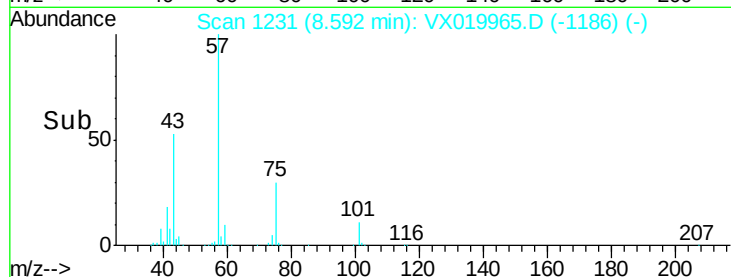
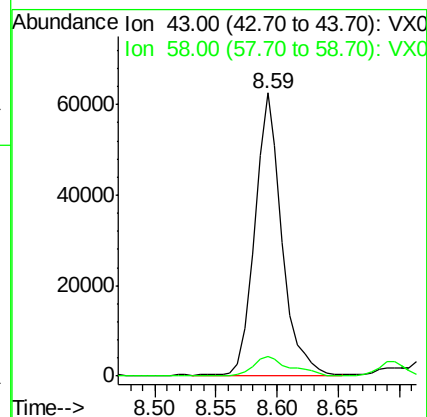
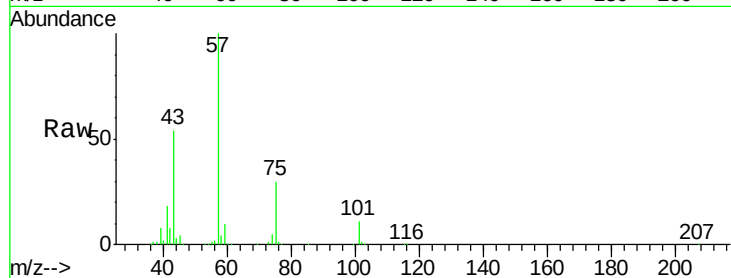
PB133565ZHE#17

Tgt Ion: 43 Resp: 95451

Ion Ratio Lower Upper

43 100

58 9.7 35.4 53.0#



#54

cis-1,3-Dichloropropene

Concen: 8.952 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX019965.D

Acq: 13 Dec 2020 04:48

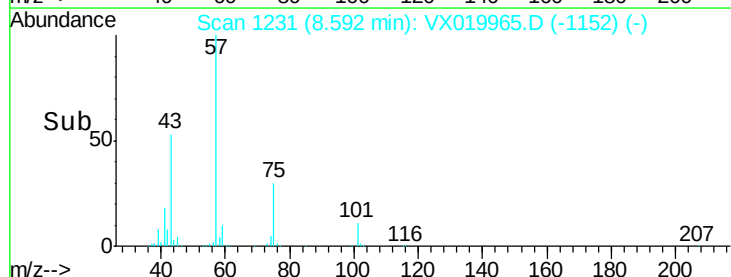
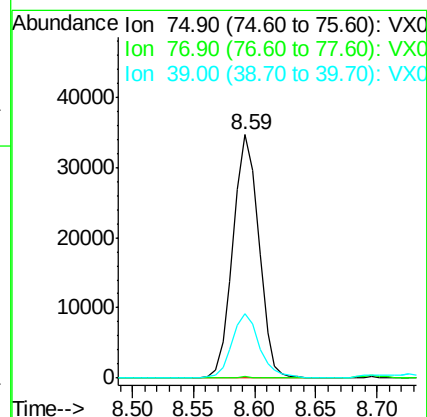
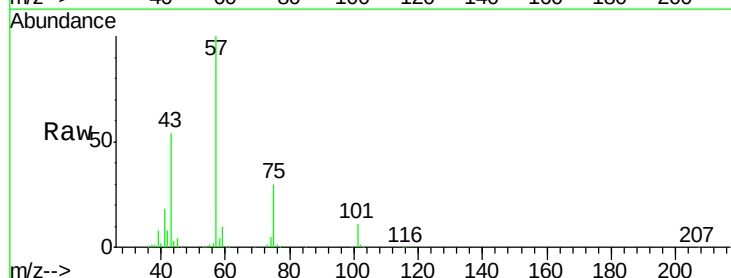
Tgt Ion: 75 Resp: 50796

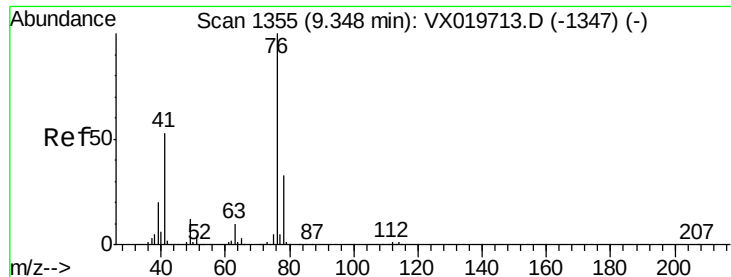
Ion Ratio Lower Upper

75 100

77 0.7 25.7 38.5#

39 26.3 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 4.950 ug/l

RT: 9.52 min Scan# 1383

Delta R.T. 0.17 min

Lab File: VX019965.D

Acq: 13 Dec 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

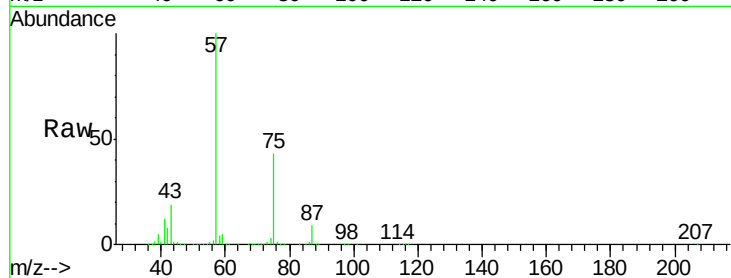
PB133565ZHE#17

Tgt Ion: 76 Resp: 29938

Ion Ratio Lower Upper

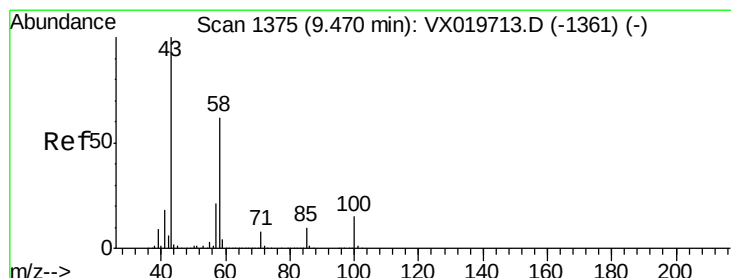
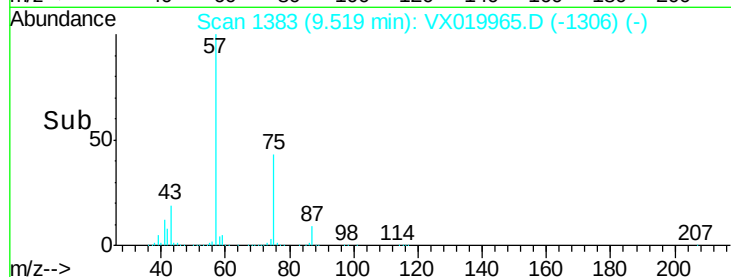
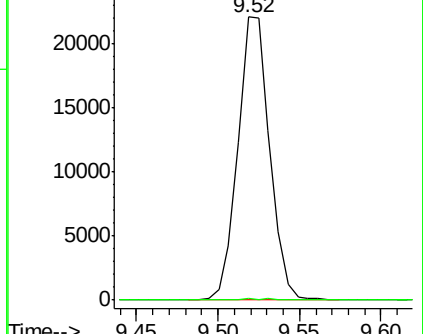
76 100

78 0.5 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: 104.701 ug/l

RT: 9.52 min Scan# 1383

Delta R.T. 0.05 min

Lab File: VX019965.D

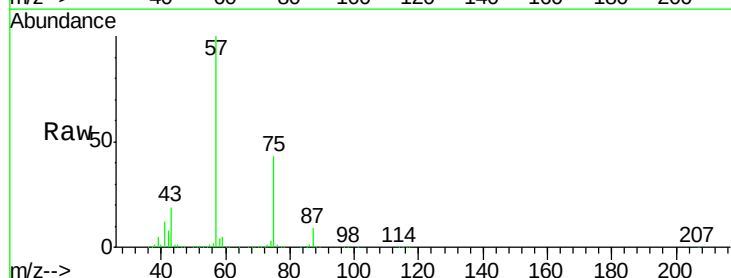
Acq: 13 Dec 2020 04:48

Tgt Ion: 43 Resp: 374198

Ion Ratio Lower Upper

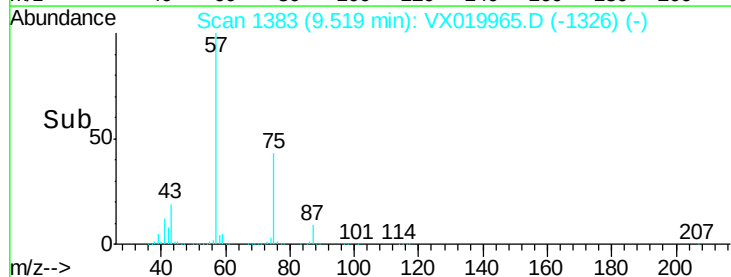
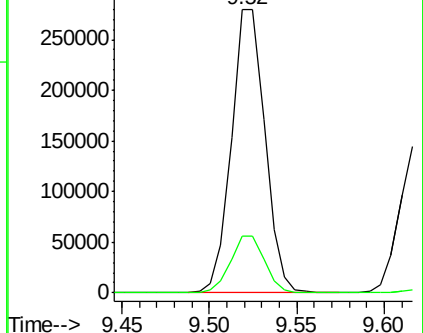
43 100

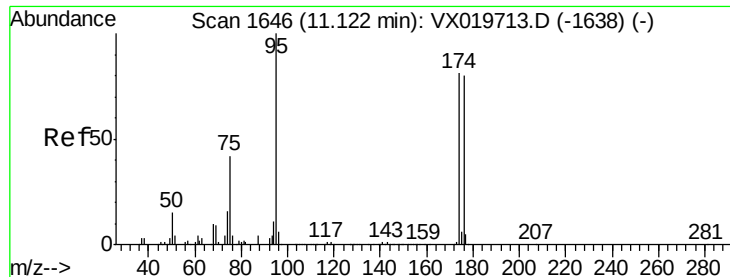
58 20.5 30.9 92.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 47.146 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019965.D

Acq: 13 Dec 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#17

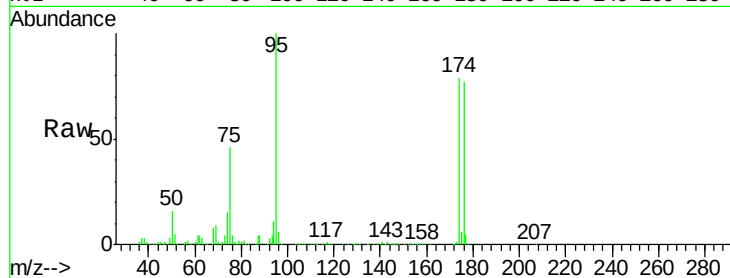
Tgt Ion: 95 Resp: 225420

Ion Ratio Lower Upper

95 100

174 75.7 0.0 154.6

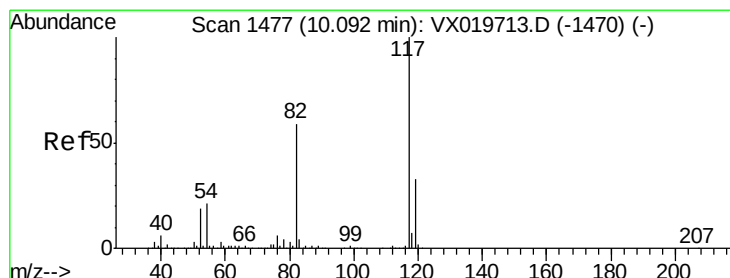
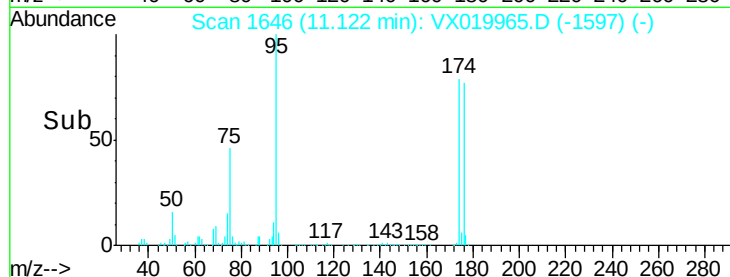
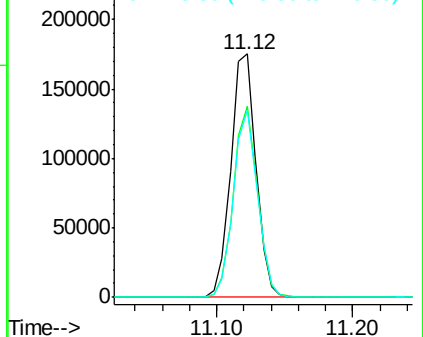
176 74.1 0.0 155.8



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: VX019965.D

Acq: 13 Dec 2020 04:48

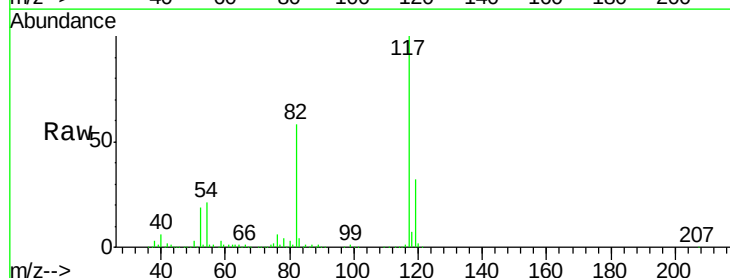
Tgt Ion: 117 Resp: 477719

Ion Ratio Lower Upper

117 100

82 57.9 47.4 71.2

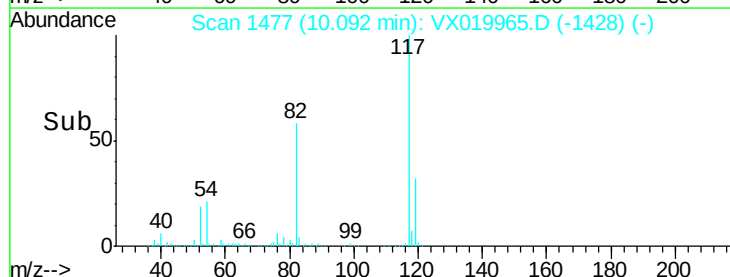
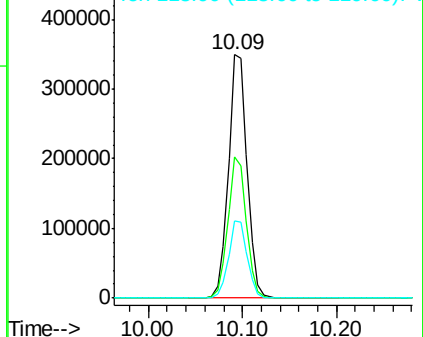
119 31.6 26.6 39.8

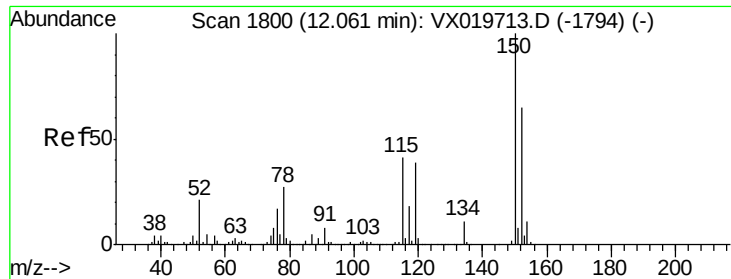


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX019965.D

Acq: 13 Dec 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#17

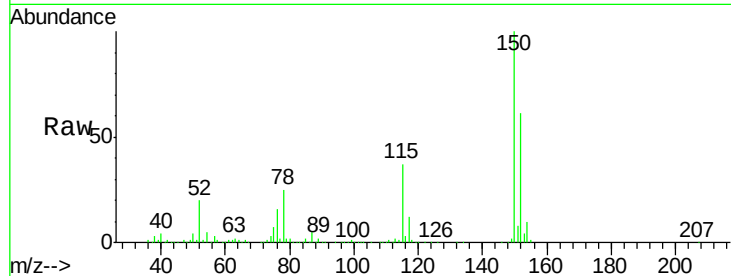
Tgt Ion:152 Resp: 203185

Ion Ratio Lower Upper

152 100

115 60.8 41.1 123.3

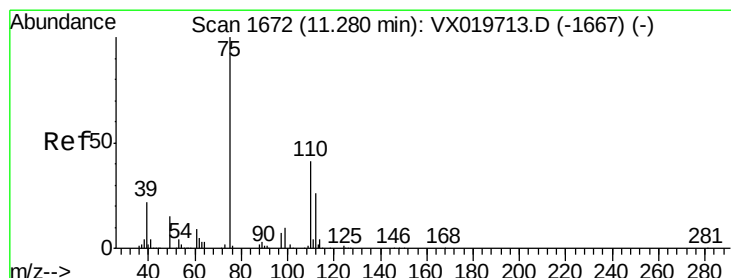
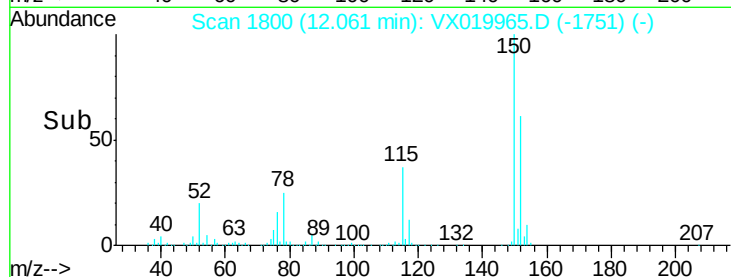
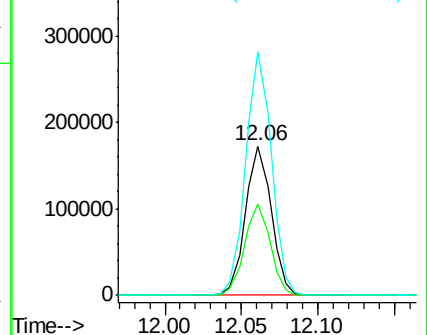
150 162.3 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 23.470 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019965.D

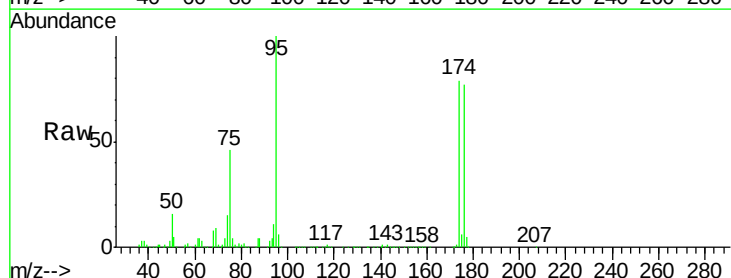
Acq: 13 Dec 2020 04:48

Tgt Ion: 75 Resp: 106957

Ion Ratio Lower Upper

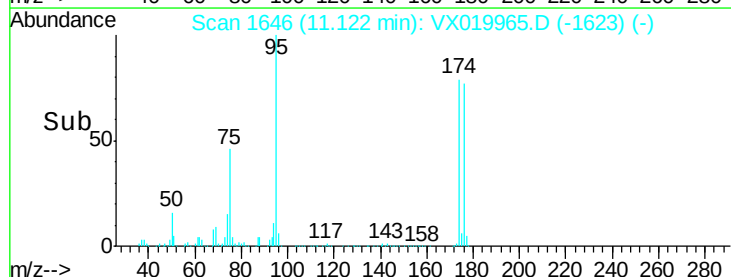
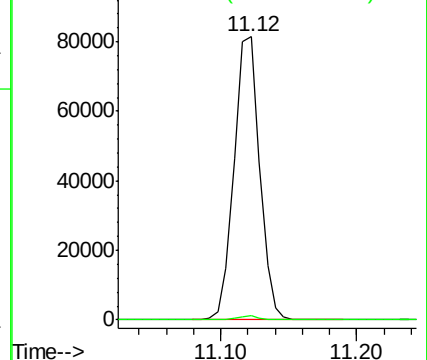
75 100

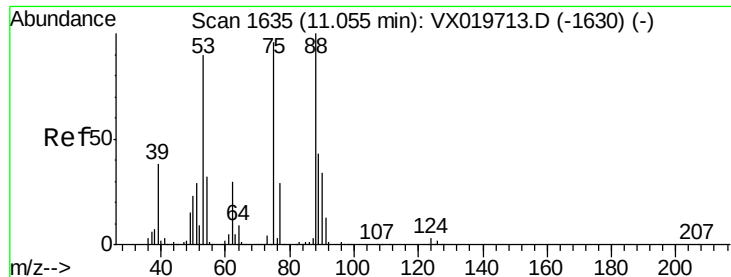
77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.849 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019965.D

Acq: 13 Dec 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#17

Tgt Ion: 75 Resp: 106957

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

