

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019961.D
 Acq On : 13 Dec 2020 03:15
 Operator : JC/MD
 Sample : PB133565ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133565ZHE#13

Quant Time: Dec 14 08:23:57 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	312096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	515457	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	476346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	188827	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	196653	47.94	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.88%	
35) Dibromofluoromethane		5.46	113	159809	47.97	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.94%	
50) Toluene-d8		8.70	98	633300	49.80	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.60%	
62) 4-Bromofluorobenzene		11.12	95	212519	43.90	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.80%	

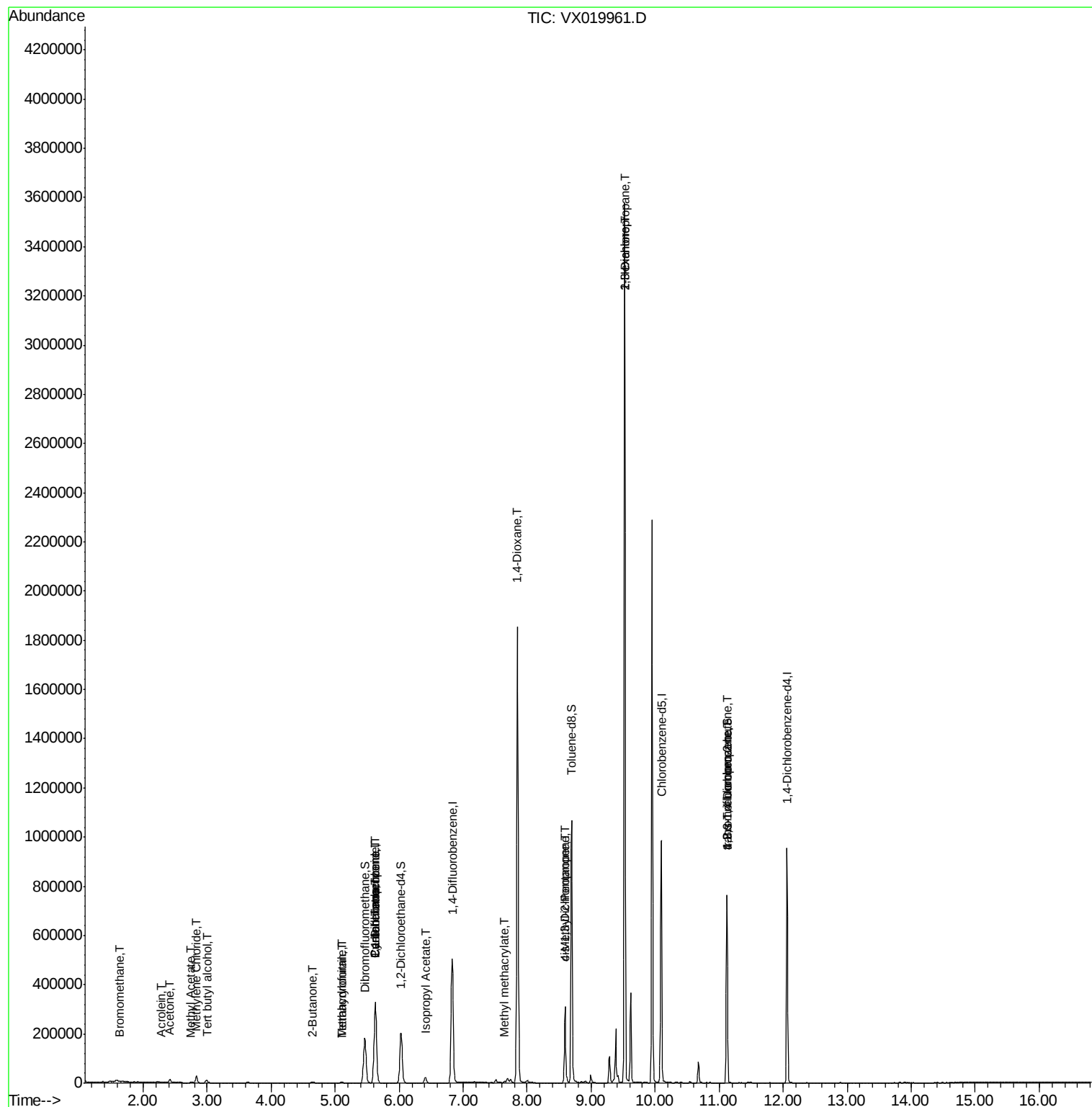
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	616	0.524	ug/l	83
11) Tert butyl alcohol	2.99	59	6948	5.685	ug/l #	75
13) Acrolein	2.27	56	91	0.201	ug/l #	1
16) Acetone	2.42	43	13337	8.650	ug/l	96
18) Methyl Acetate	2.75	43	3692	0.979	ug/l #	89
20) Methylene Chloride	2.83	84	12922	2.315	ug/l	97
25) 2-Butanone	4.64	43	3961	1.672	ug/l	91
29) Tetrahydrofuran	5.10	42	1948	1.276	ug/l	97
31) Cyclohexane	5.63	56	6079	1.191	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24001	5.153	ug/l #	48
38) Carbon Tetrachloride	5.63	117	30209	6.623	ug/l #	16
41) Methacrylonitrile	5.09	41	1261	0.488	ug/l #	44
43) Isopropyl Acetate	6.41	43	28570	3.737	ug/l	99
48) Methyl methacrylate	7.65	41	7140	1.899	ug/l #	10
49) 1,4-Dioxane	7.85	88	293	3.216	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	95950	20.555	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	51549	8.973	ug/l #	59
57) 1,3-Dichloropropane	9.52	76	31367	5.122	ug/l #	43
59) 2-Hexanone	9.52	43	378310	104.552	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	103666	24.478	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	103666	70.762	ug/l #	12

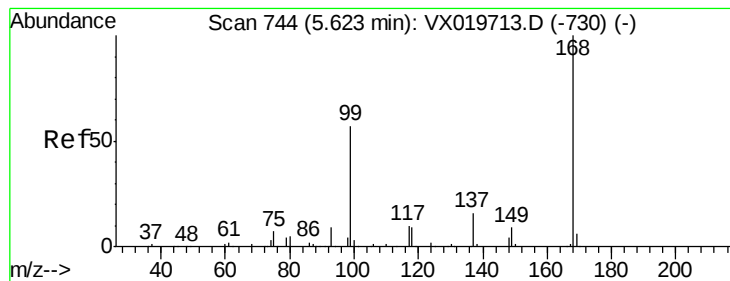
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
Data File : VX019961.D
Acq On : 13 Dec 2020 03:15
Operator : JC/MD
Sample : PB133565ZHE#13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#13

Quant Time: Dec 14 08:23:57 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: VX019961.D

Acq: 13 Dec 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

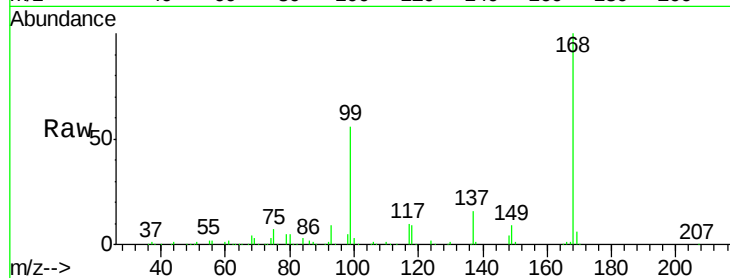
PB133565ZHE#13

Tgt Ion:168 Resp: 312096

Ion Ratio Lower Upper

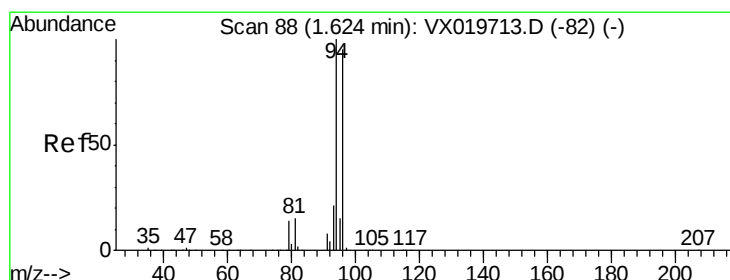
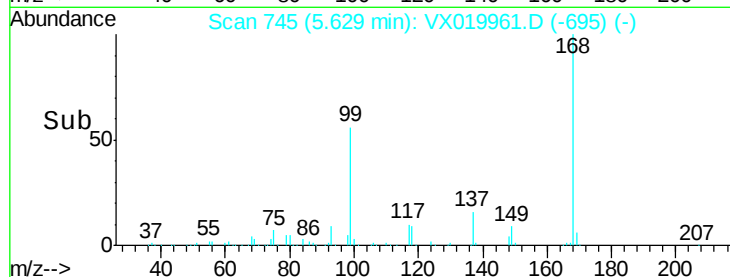
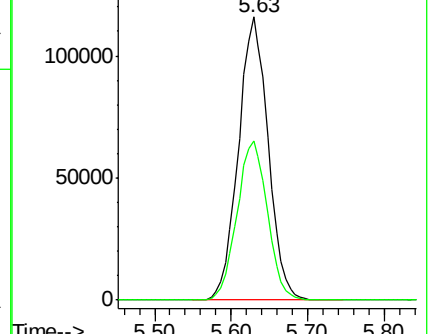
168 100

99 56.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.524 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019961.D

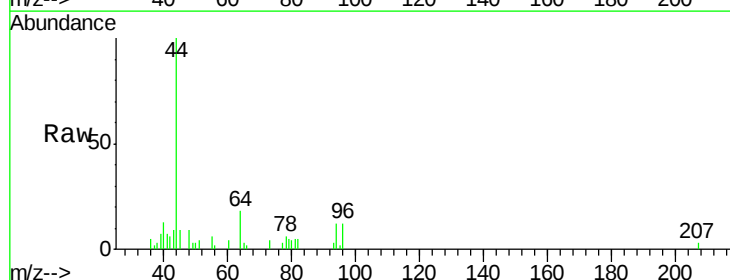
Acq: 13 Dec 2020 03:15

Tgt Ion: 94 Resp: 616

Ion Ratio Lower Upper

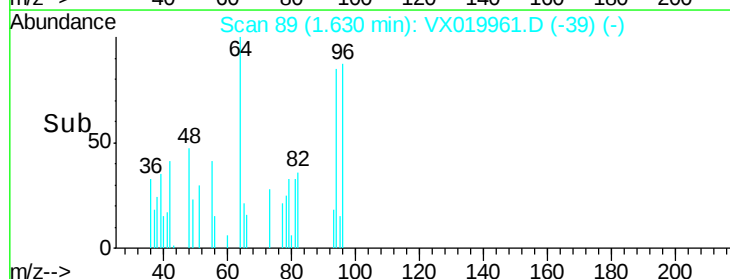
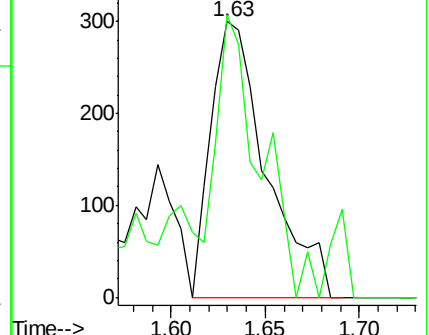
94 100

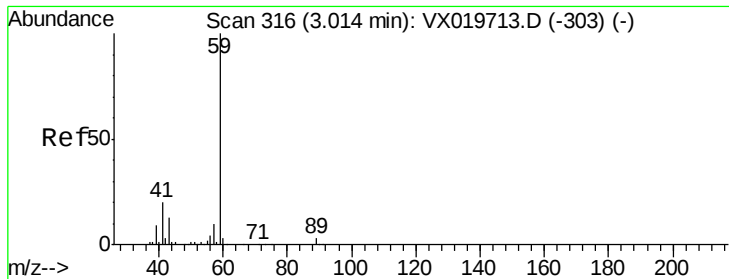
96 79.3 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



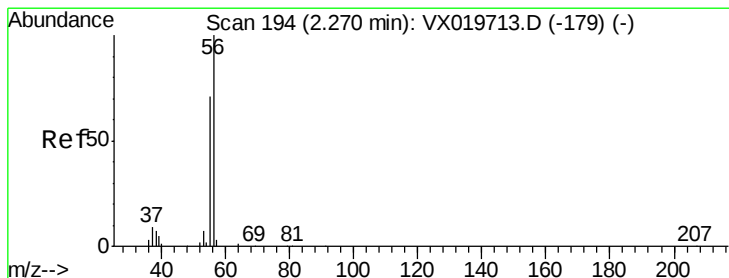
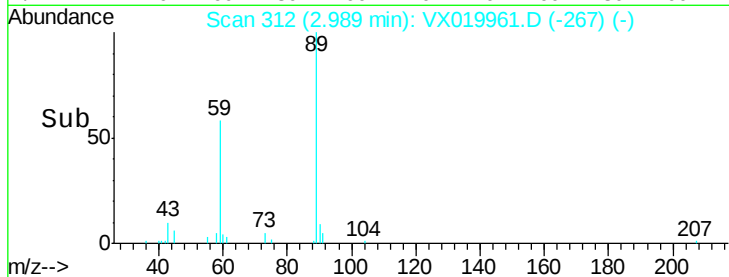
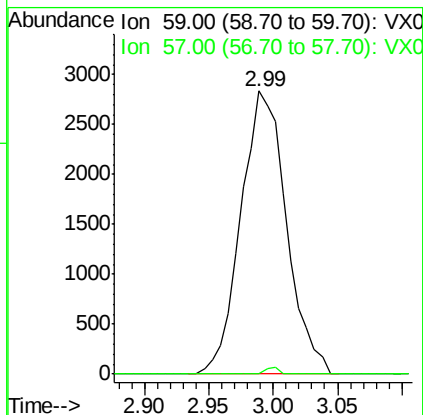
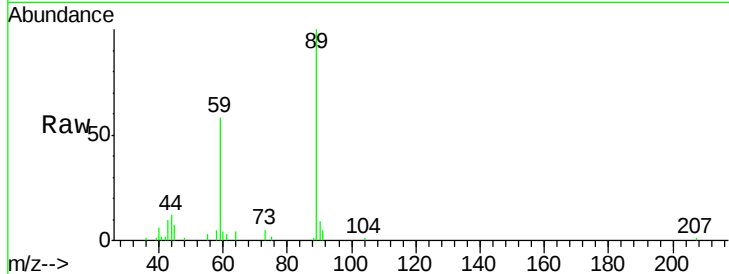


#11

Tert butyl alcohol
Concen: 5.685 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX019961.D
Acq: 13 Dec 2020 03:15

Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#13

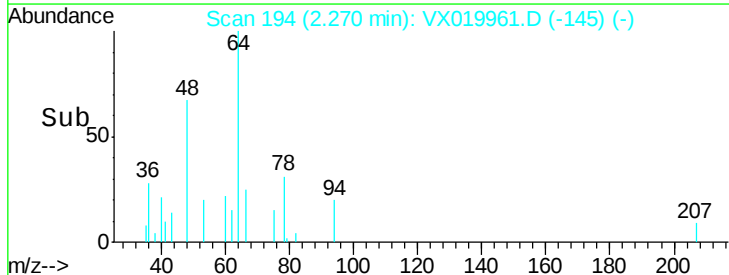
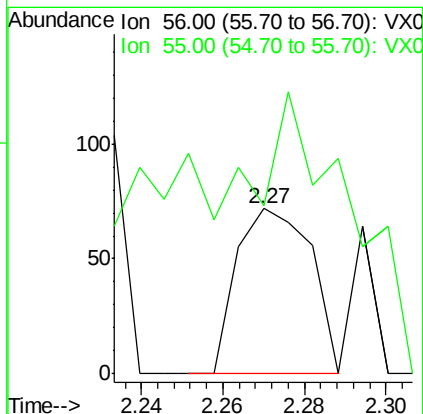
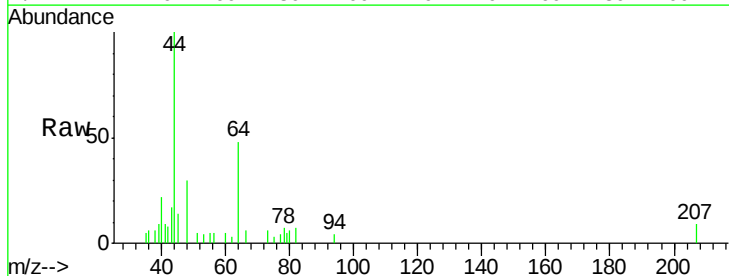
Tgt Ion: 59 Resp: 6948
Ion Ratio Lower Upper
59 100
57 0.7 7.8 11.8#

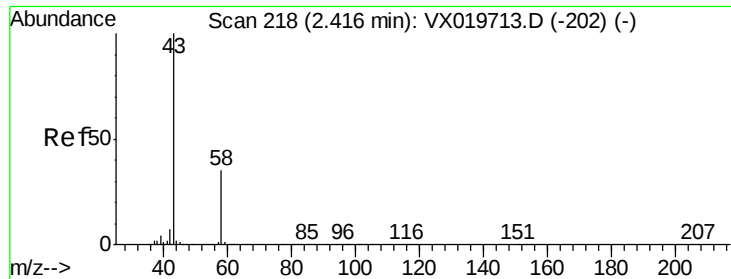


#13

Acrolein
Concen: 0.201 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX019961.D
Acq: 13 Dec 2020 03:15

Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 168.1 56.4 84.6#





#16

Acetone

Concen: 8.650 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019961.D

Acq: 13 Dec 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

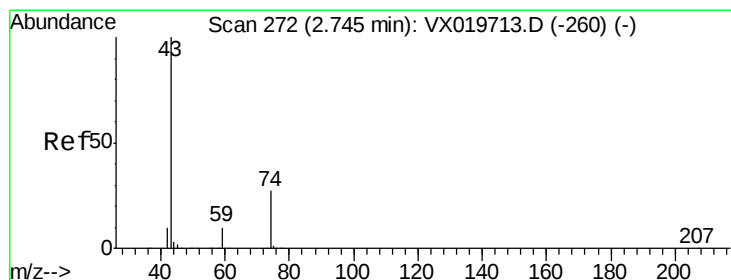
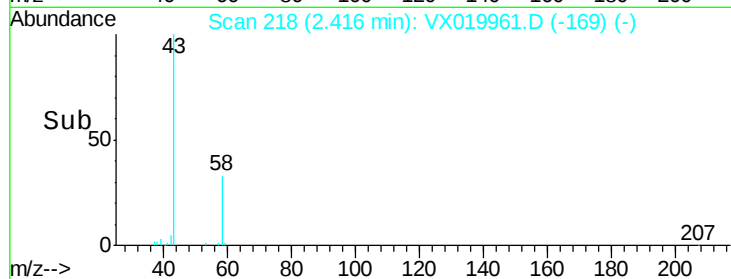
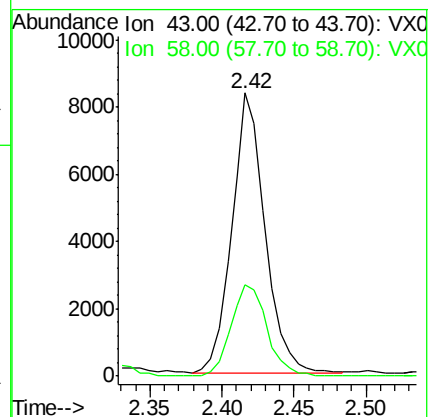
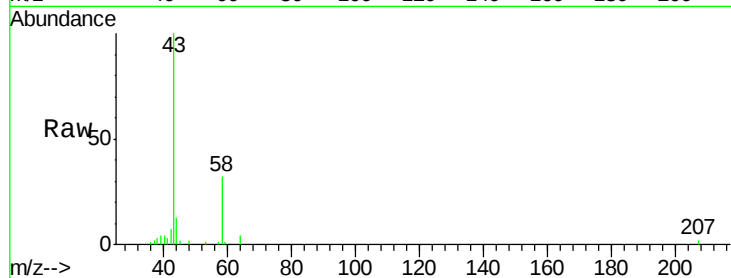
PB133565ZHE#13

Tgt Ion: 43 Resp: 13337

Ion Ratio Lower Upper

43 100

58 32.4 27.8 41.8



#18

Methyl Acetate

Concen: 0.979 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX019961.D

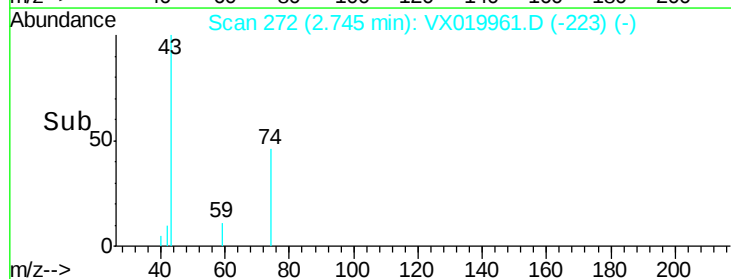
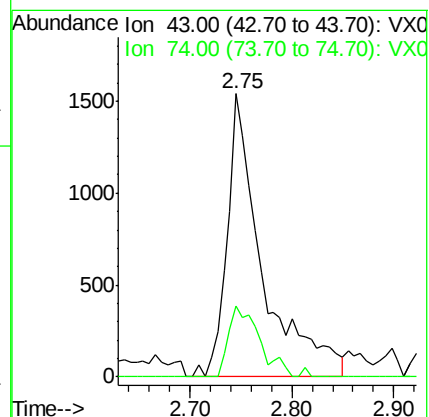
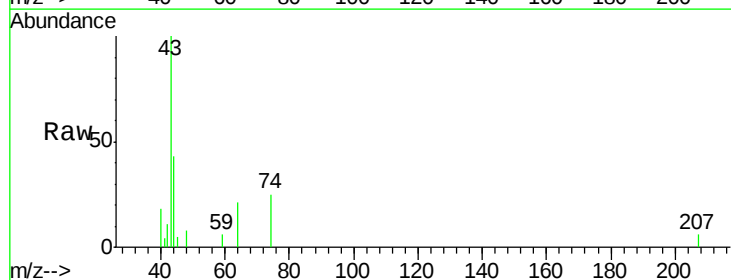
Acq: 13 Dec 2020 03:15

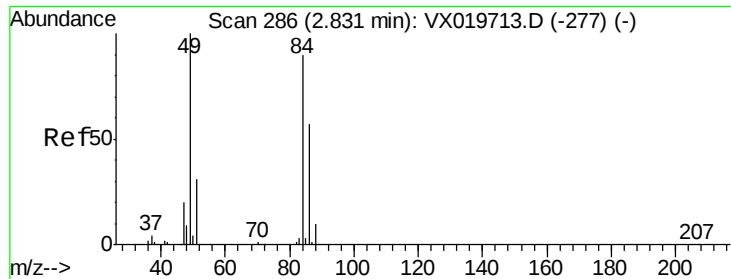
Tgt Ion: 43 Resp: 3692

Ion Ratio Lower Upper

43 100

74 21.9 21.9 32.9#

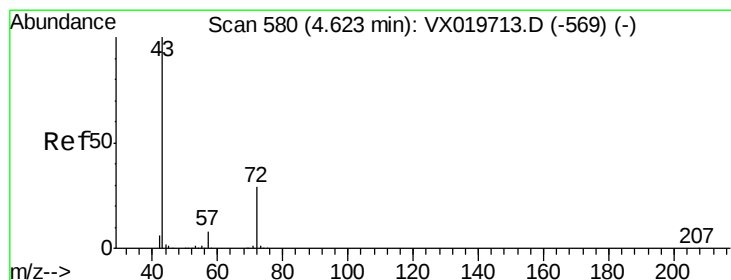
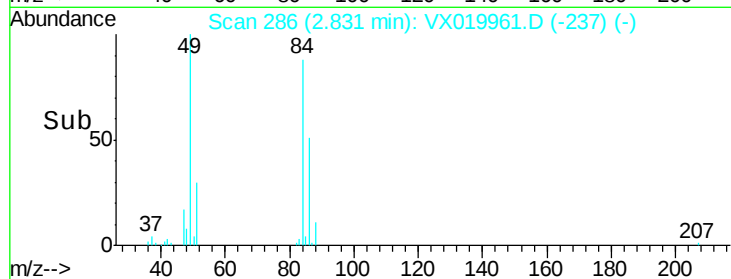
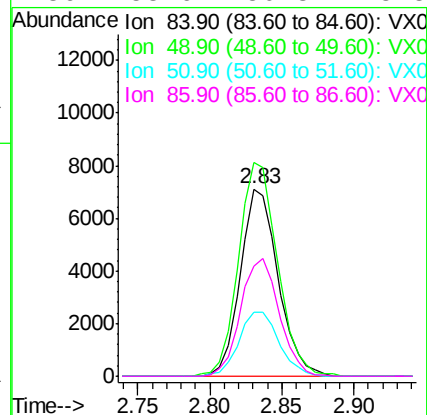
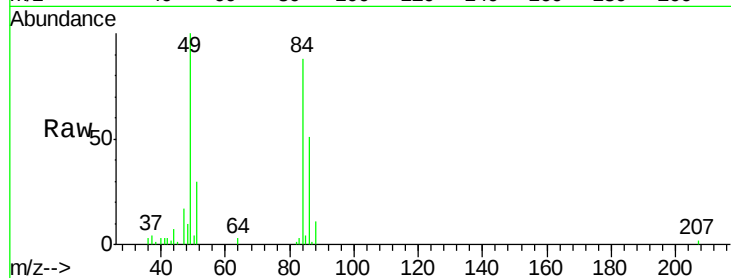




#20
Methylene Chloride
Concen: 2.315 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019961.D
Acq: 13 Dec 2020 03:15

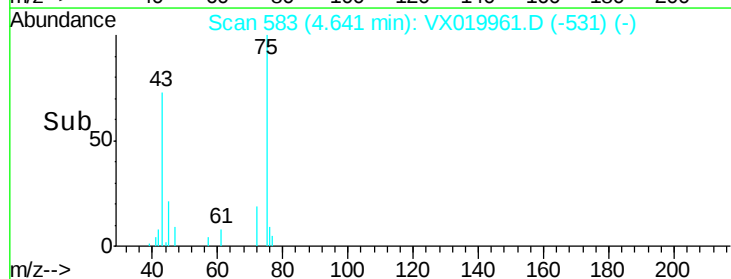
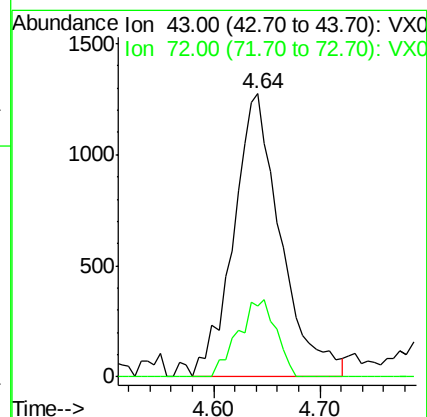
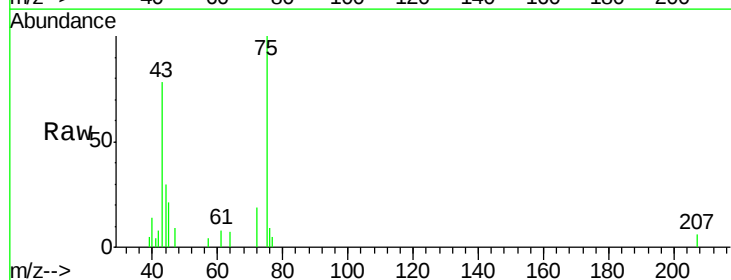
Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#13

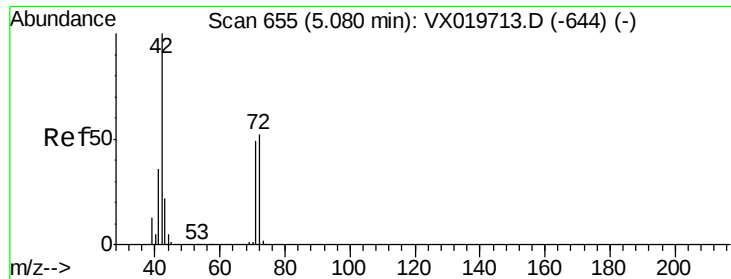
Tgt Ion:	84	Resp:	12922
Ion	Ratio	Lower	Upper
84	100		
49	114.1	88.6	132.8
51	34.0	27.0	40.6
86	58.6	50.3	75.5



#25
2-Butanone
Concen: 1.672 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX019961.D
Acq: 13 Dec 2020 03:15

Tgt Ion:	43	Resp:	3961
Ion	Ratio	Lower	Upper
43	100		
72	24.9	23.7	35.5

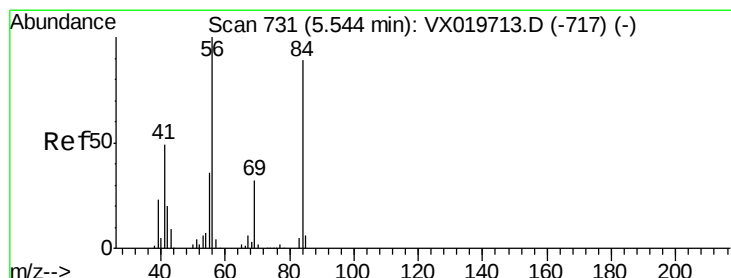
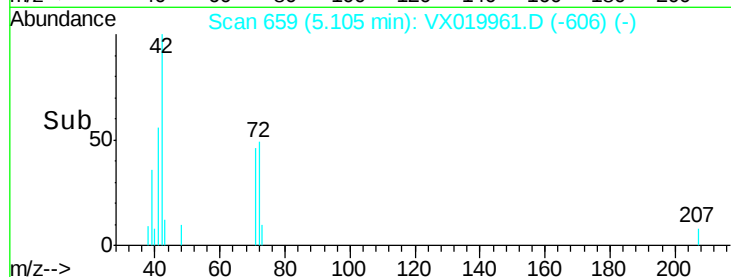
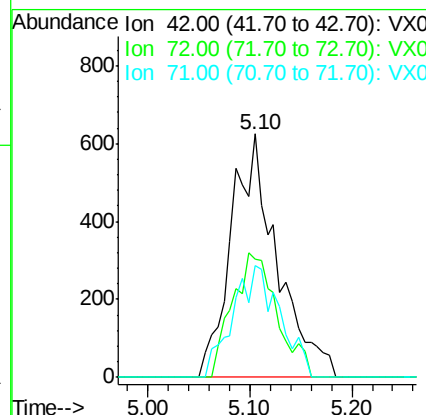
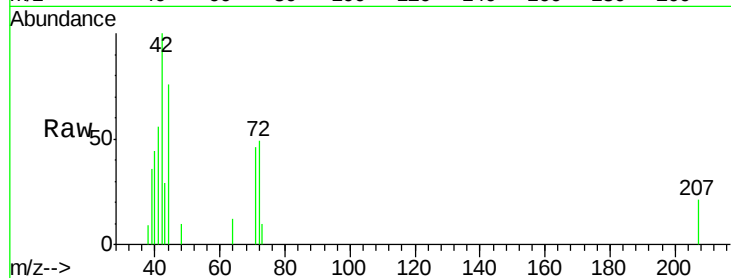




#29
Tetrahydrofuran
Concen: 1.276 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019961.D
Acq: 13 Dec 2020 03:15

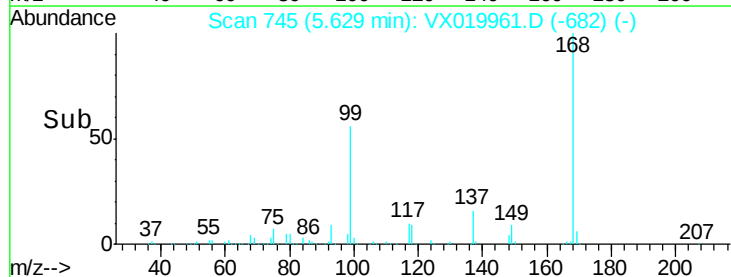
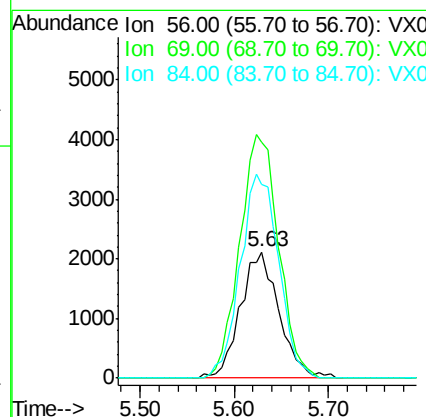
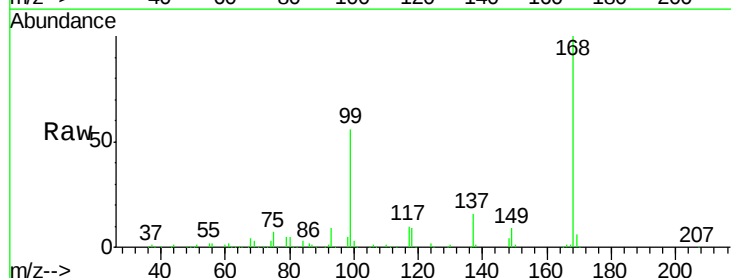
Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#13

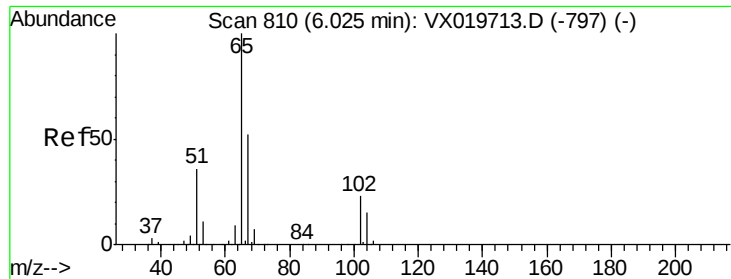
Tgt Ion: 42 Resp: 1948
Ion Ratio Lower Upper
42 100
72 49.7 41.7 62.5
71 46.9 38.4 57.6



#31
Cyclohexane
Concen: 1.191 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019961.D
Acq: 13 Dec 2020 03:15

Tgt Ion: 56 Resp: 6079
Ion Ratio Lower Upper
56 100
69 187.5 25.3 37.9#
84 153.5 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 47.942 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019961.D

Acq: 13 Dec 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

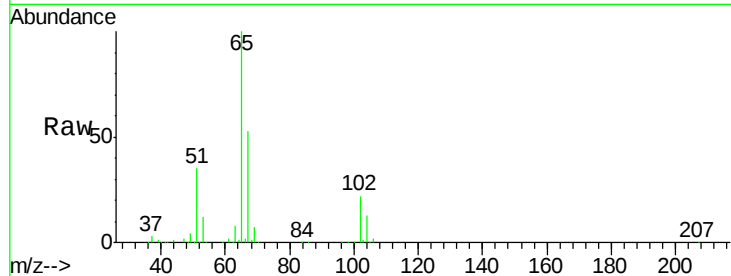
PB133565ZHE#13

Tgt Ion: 65 Resp: 196653

Ion Ratio Lower Upper

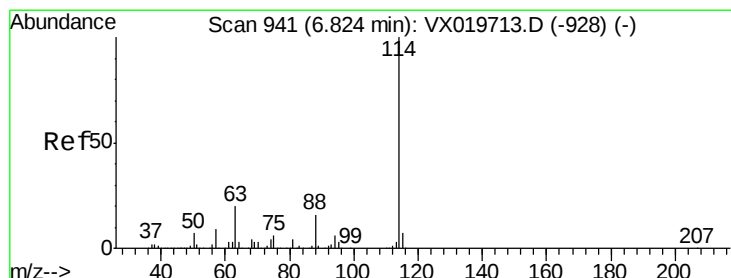
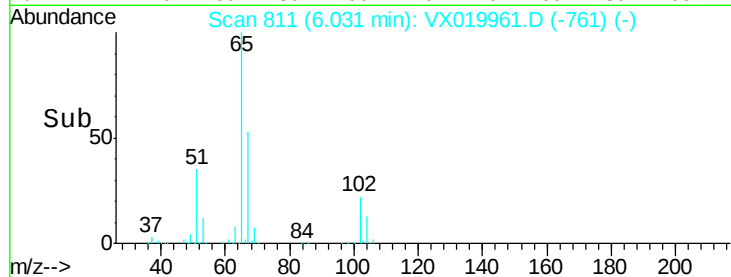
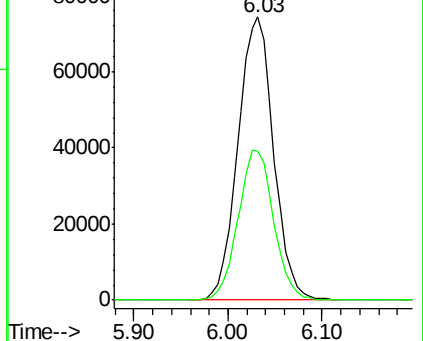
65 100

67 53.0 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: VX019961.D

Acq: 13 Dec 2020 03:15

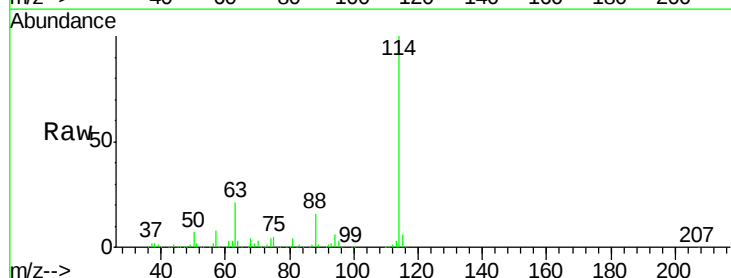
Tgt Ion: 114 Resp: 515457

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

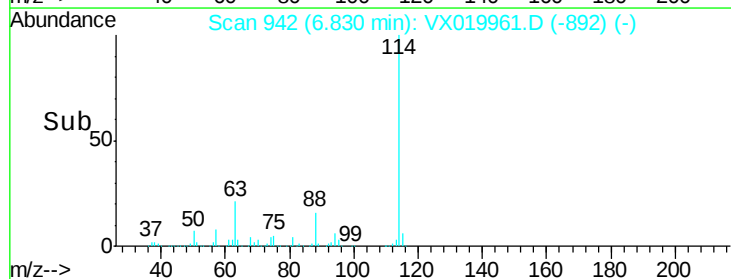
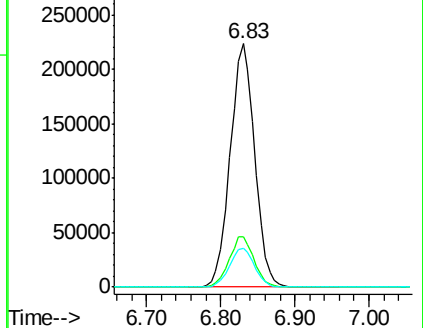
88 16.0 0.0 32.8

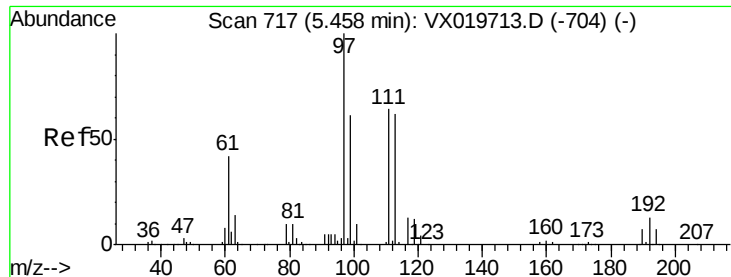


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

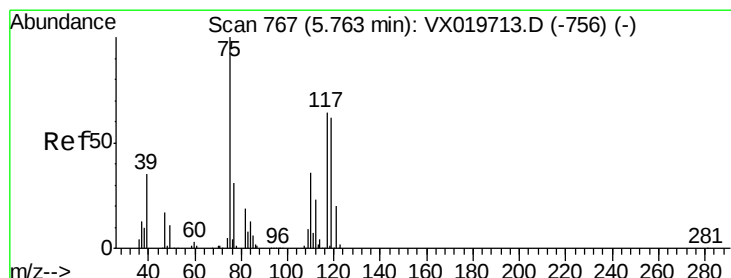
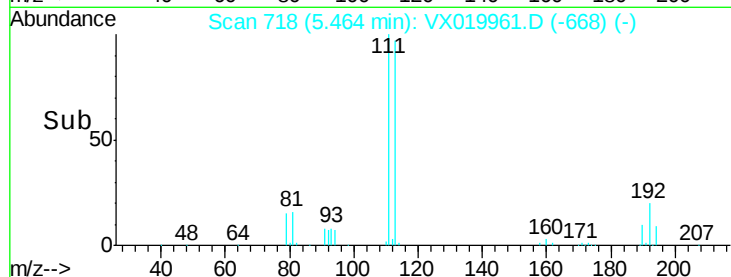
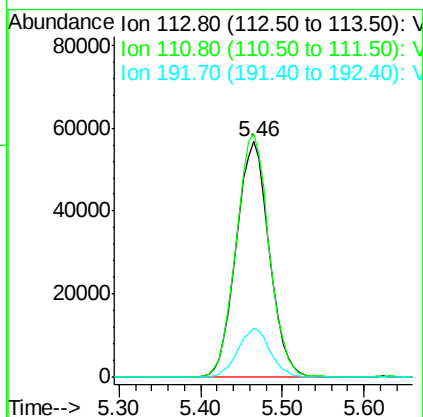
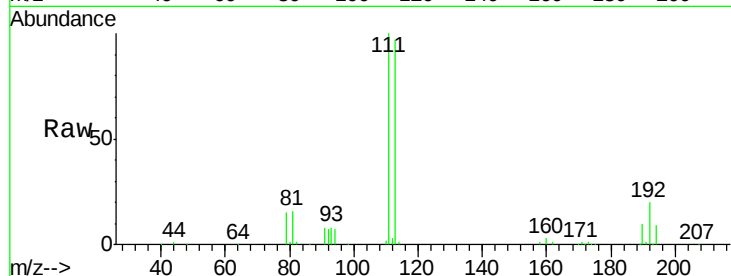




#35
 Dibromofluoromethane
 Concen: 47.972 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019961.D
 Acq: 13 Dec 2020 03:15

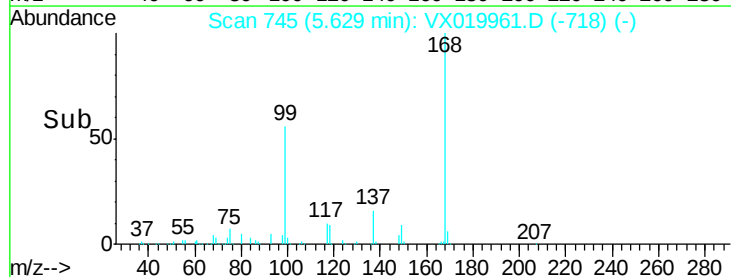
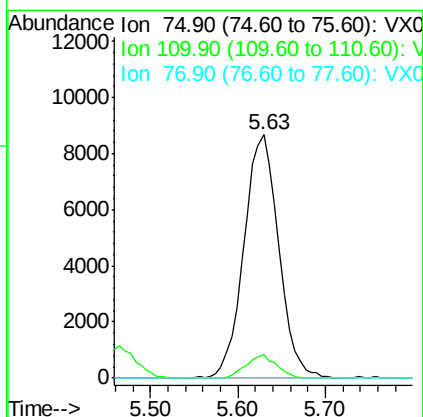
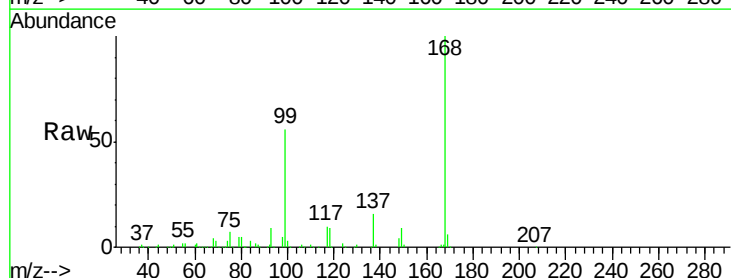
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133565ZHE#13

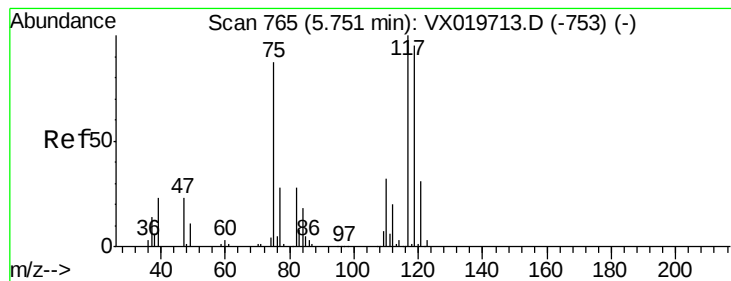
Tgt Ion:113 Resp: 159809
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.9 122.9
 192 20.4 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.153 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019961.D
 Acq: 13 Dec 2020 03:15

Tgt Ion: 75 Resp: 24001
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.4#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.623 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019961.D

Acq: 13 Dec 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#13

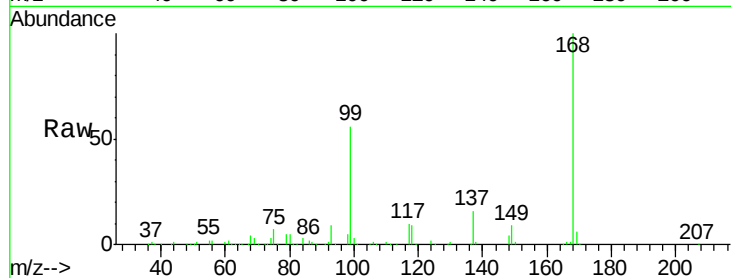
Tgt Ion: 117 Resp: 30209

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

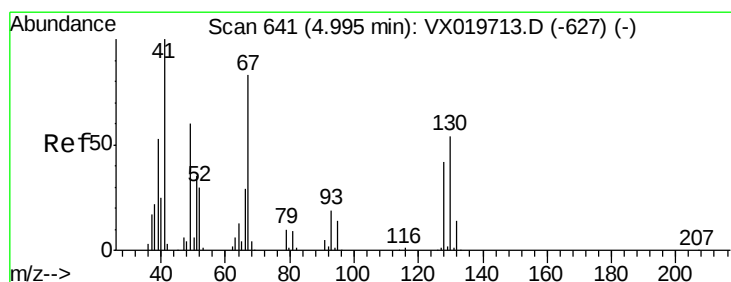
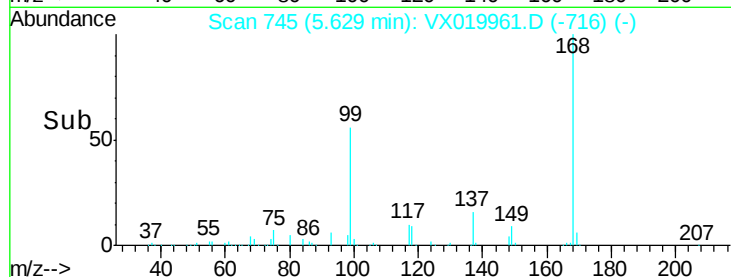
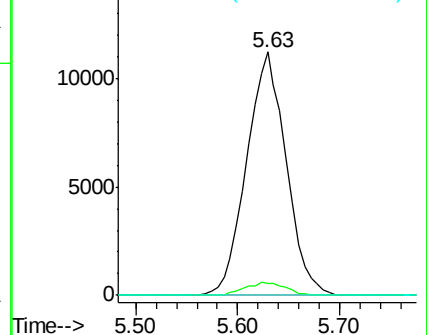
121 0.0 24.8 37.2#



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: 0.488 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.10 min

Lab File: VX019961.D

Acq: 13 Dec 2020 03:15

Tgt Ion: 41 Resp: 1261

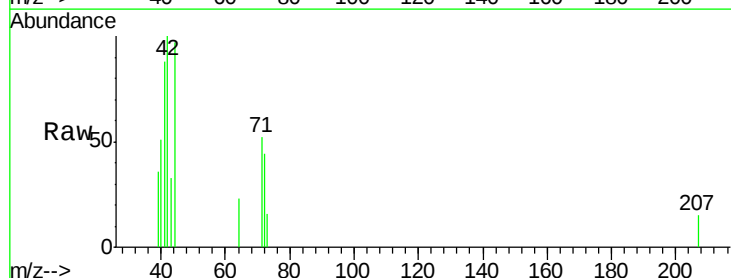
Ion Ratio Lower Upper

41 100

39 54.9 42.5 63.7

67 0.0 65.0 97.6#

52 0.0 25.3 37.9#

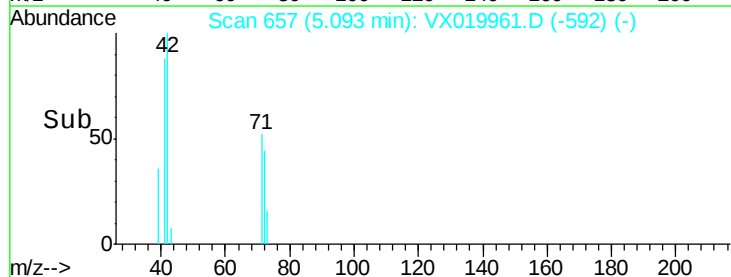
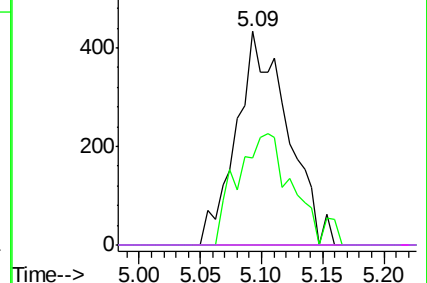


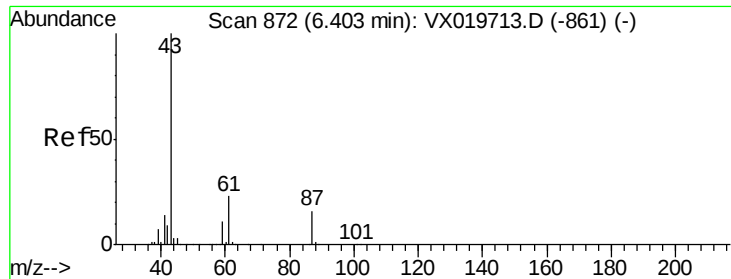
Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 3.737 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019961.D

Acq: 13 Dec 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#13

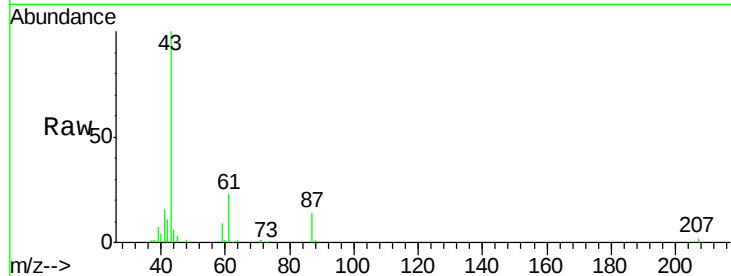
Tgt Ion: 43 Resp: 28570

Ion Ratio Lower Upper

43 100

61 22.7 18.2 27.4

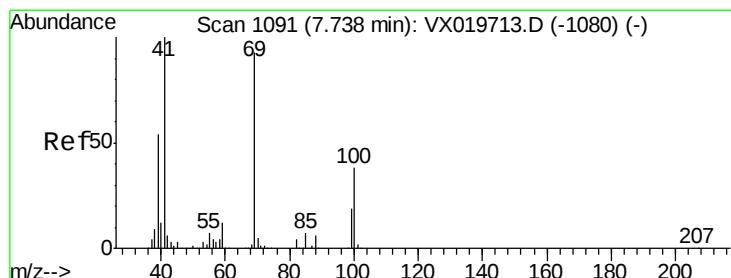
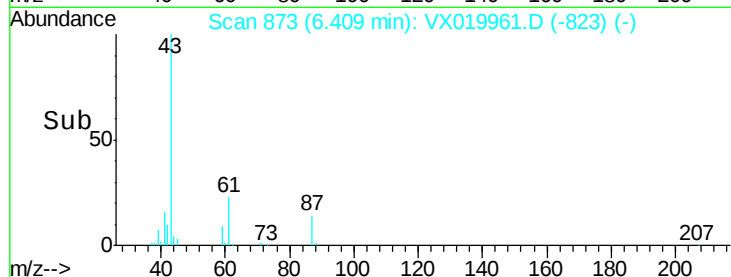
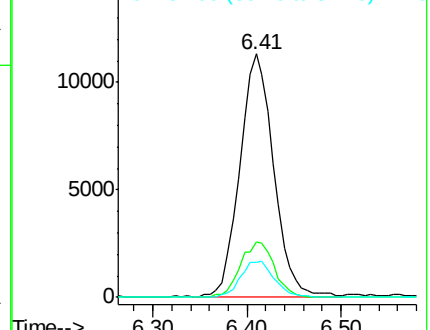
87 14.5 12.5 18.7



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: 1.899 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. -0.09 min

Lab File: VX019961.D

Acq: 13 Dec 2020 03:15

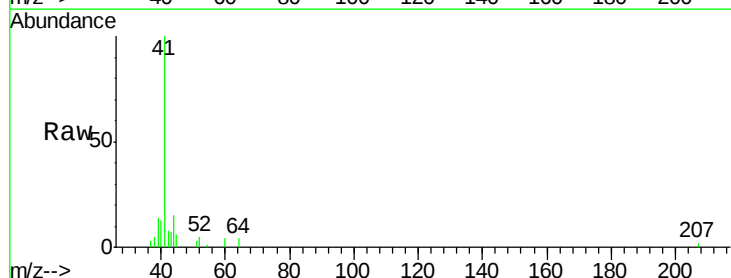
Tgt Ion: 41 Resp: 7140

Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

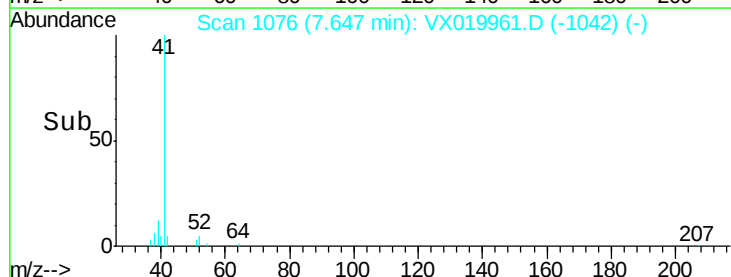
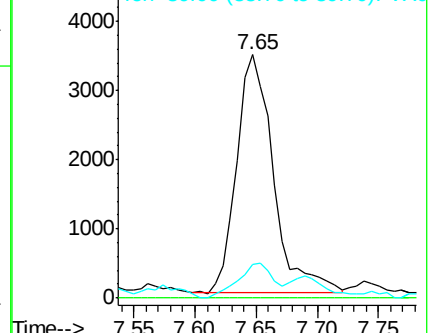
39 0.0 44.6 67.0#

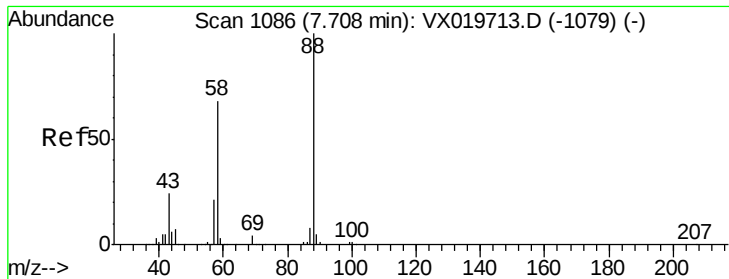


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 3.216 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.14 min

Lab File: VX019961.D

Acq: 13 Dec 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#13

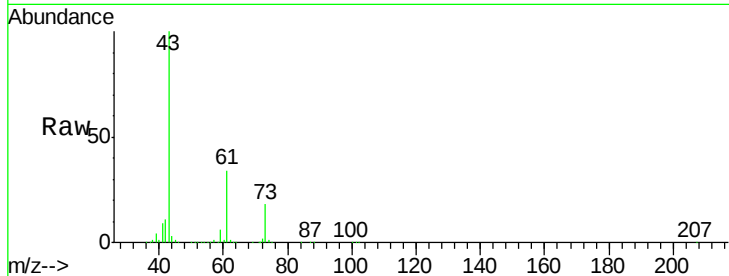
Tgt Ion: 88 Resp: 293

Ion Ratio Lower Upper

88 100

43 534382.3 23.2 34.8#

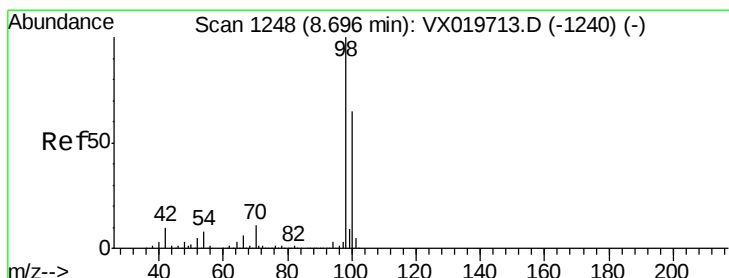
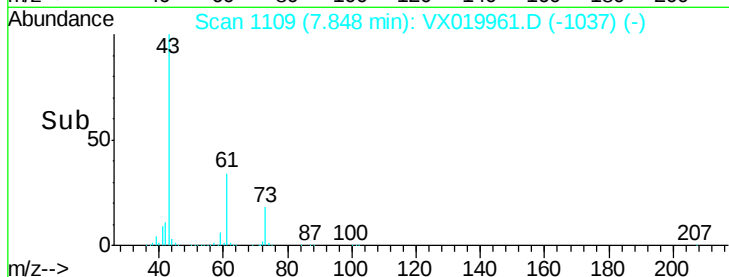
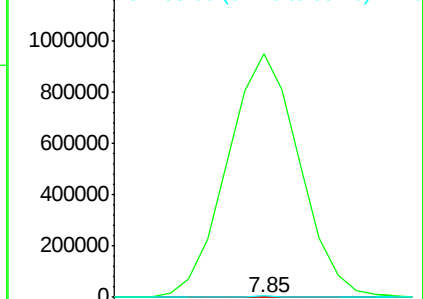
58 2646.1 55.0 82.4#



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: 49.795 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019961.D

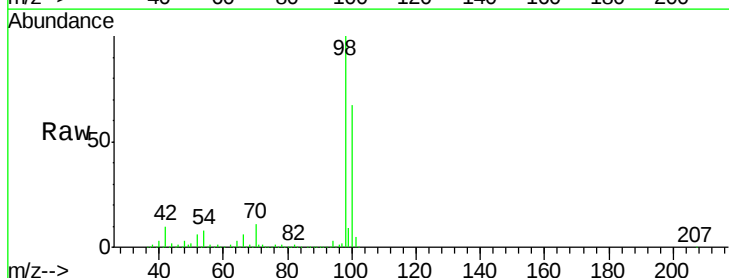
Acq: 13 Dec 2020 03:15

Tgt Ion: 98 Resp: 633300

Ion Ratio Lower Upper

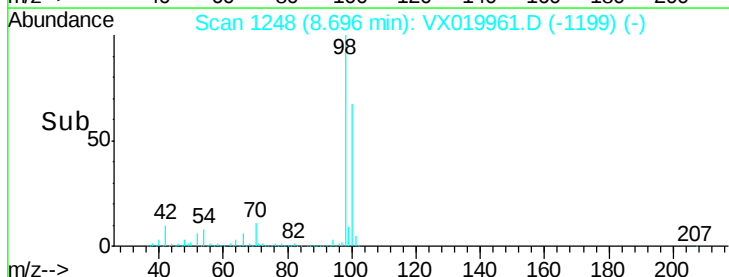
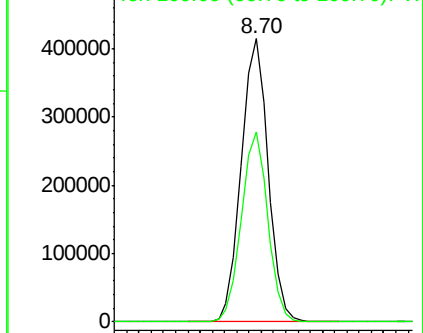
98 100

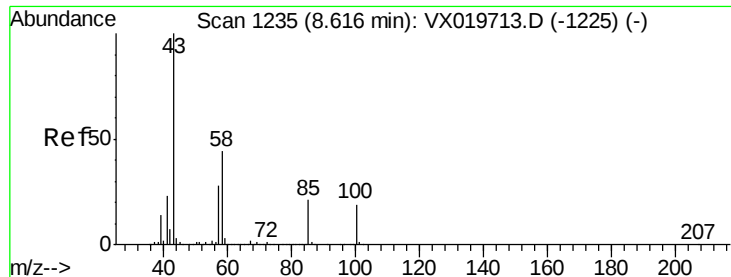
100 66.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

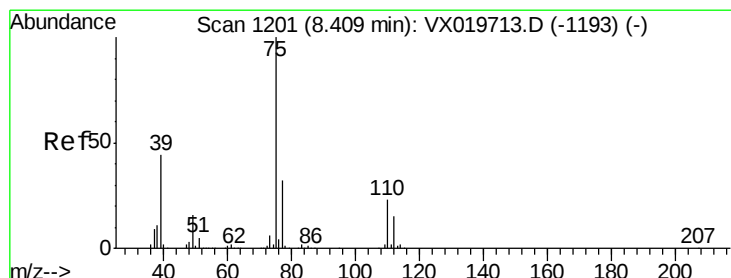
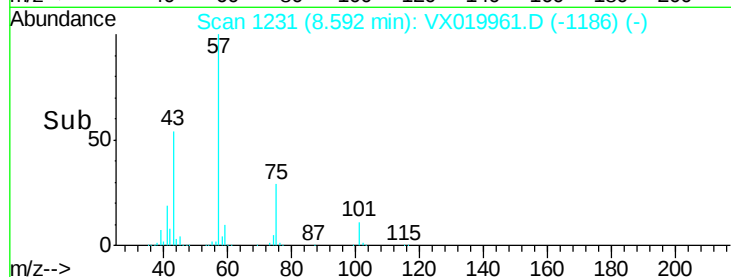
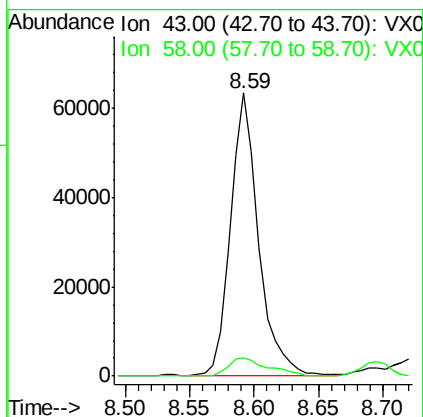
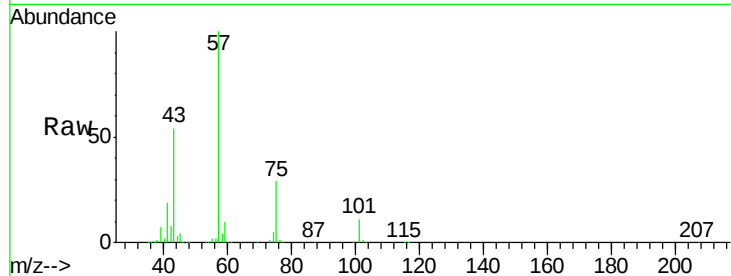




#51
4-Methyl-2-Pentanone
Concen: 20.555 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX019961.D
Acq: 13 Dec 2020 03:15

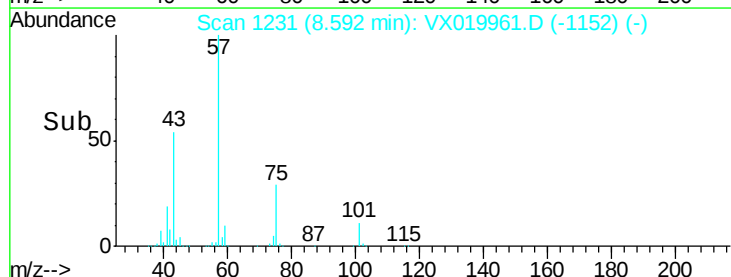
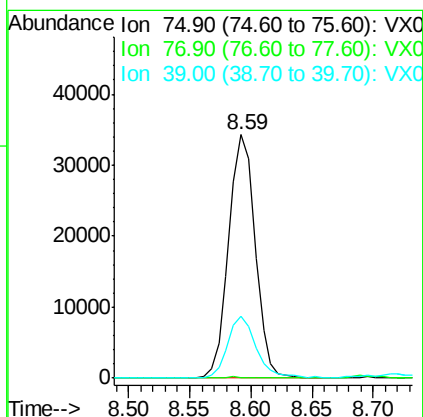
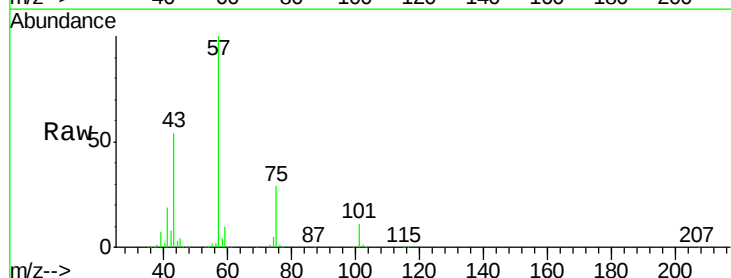
Instrument :
MSVOA_X
ClientSampleId :
PB133565ZHE#13

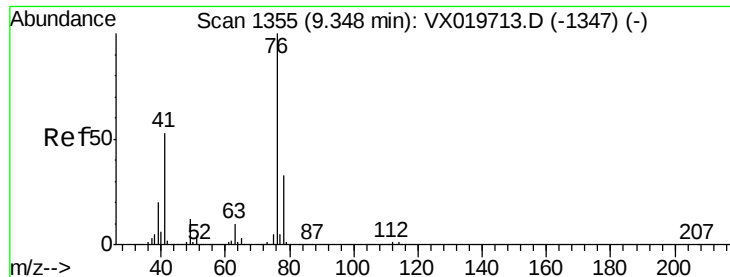
Tgt Ion: 43 Resp: 95950
Ion Ratio Lower Upper
43 100
58 9.4 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 8.973 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. 0.18 min
Lab File: VX019961.D
Acq: 13 Dec 2020 03:15

Tgt Ion: 75 Resp: 51549
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 25.3 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 5.122 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.18 min

Lab File: VX019961.D

Acq: 13 Dec 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

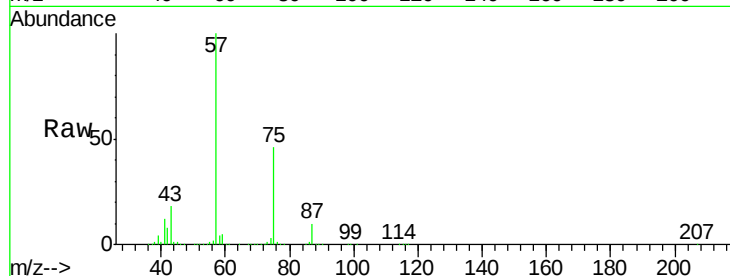
PB133565ZHE#13

Tgt Ion: 76 Resp: 31367

Ion Ratio Lower Upper

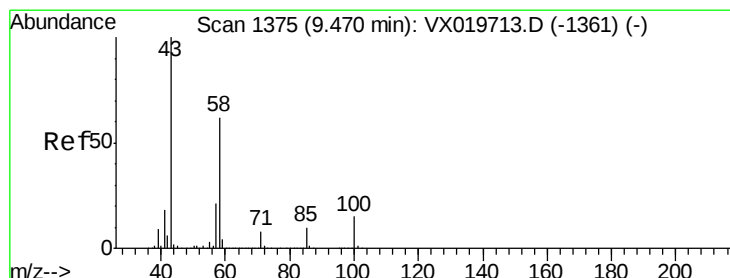
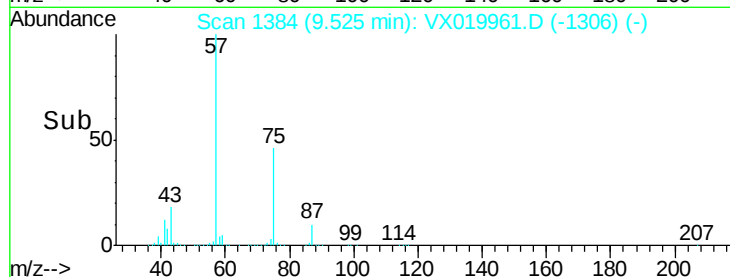
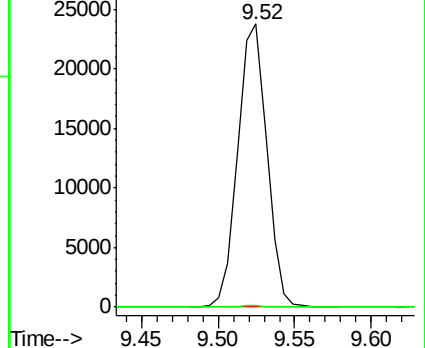
76 100

78 0.6 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: 104.552 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX019961.D

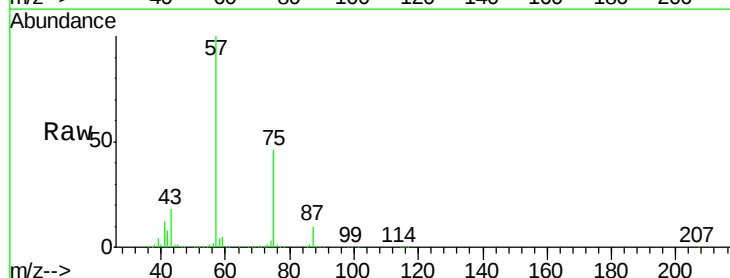
Acq: 13 Dec 2020 03:15

Tgt Ion: 43 Resp: 378310

Ion Ratio Lower Upper

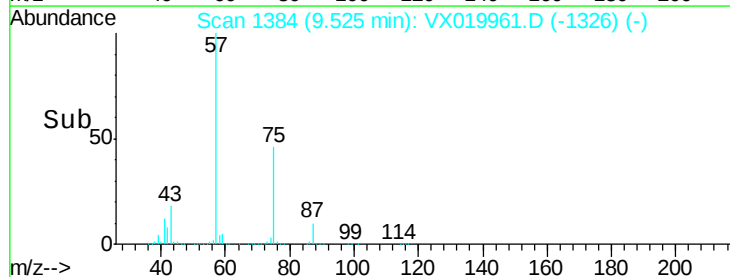
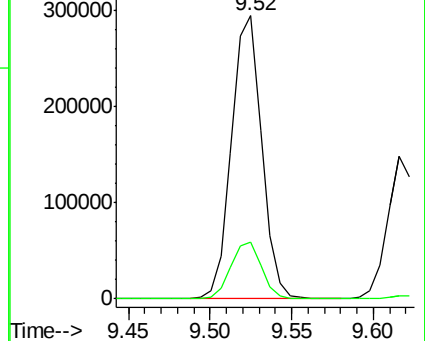
43 100

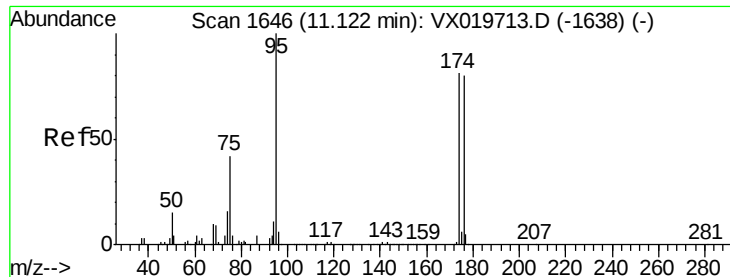
58 20.6 30.9 92.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.903 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019961.D

Acq: 13 Dec 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#13

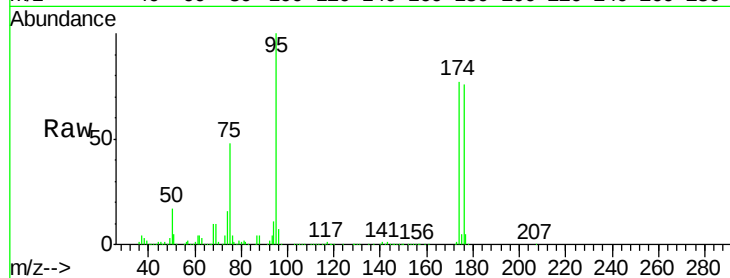
Tgt Ion: 95 Resp: 212519

Ion Ratio Lower Upper

95 100

174 76.2 0.0 154.6

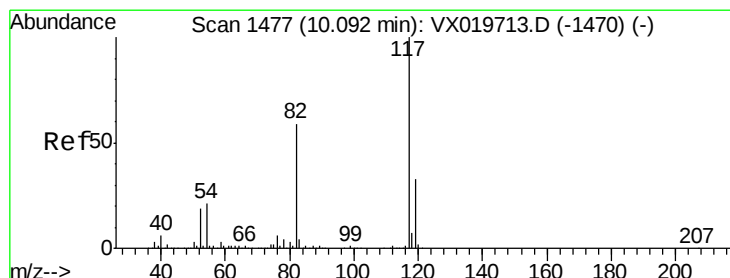
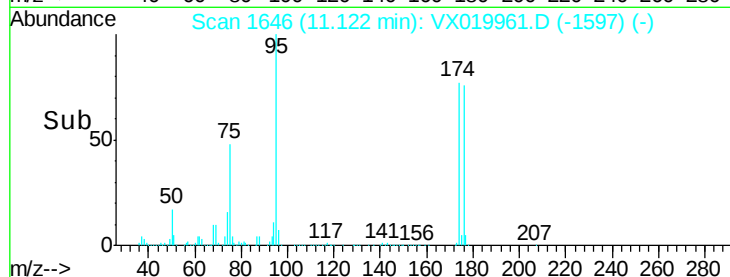
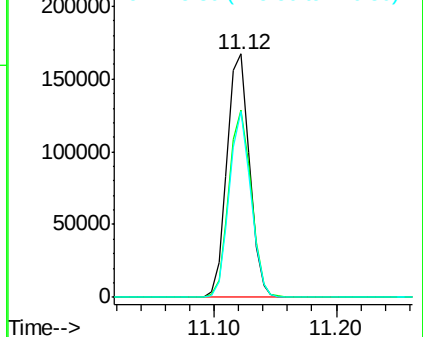
176 73.2 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019961.D

Acq: 13 Dec 2020 03:15

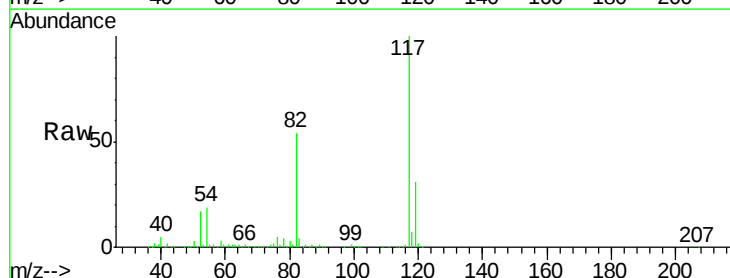
Tgt Ion: 117 Resp: 476346

Ion Ratio Lower Upper

117 100

82 53.7 47.4 71.2

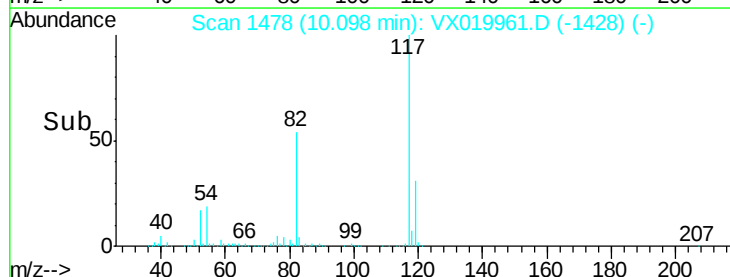
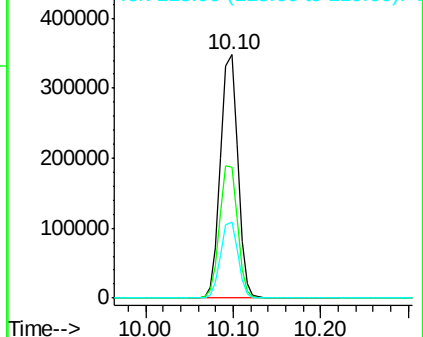
119 31.3 26.6 39.8

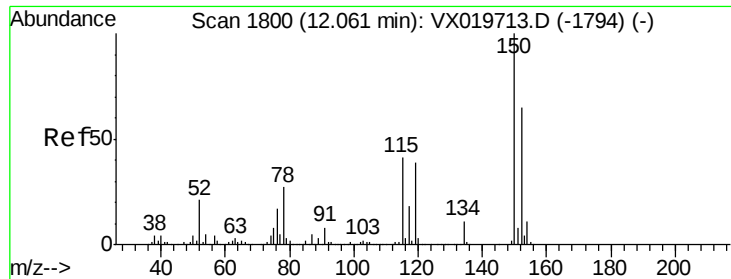


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019961.D

Acq: 13 Dec 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#13

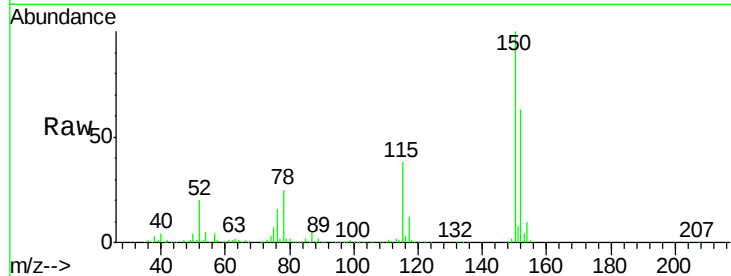
Tgt Ion:152 Resp: 188827

Ion Ratio Lower Upper

152 100

115 60.1 41.1 123.3

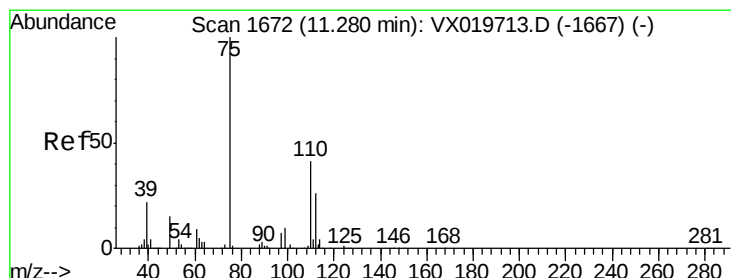
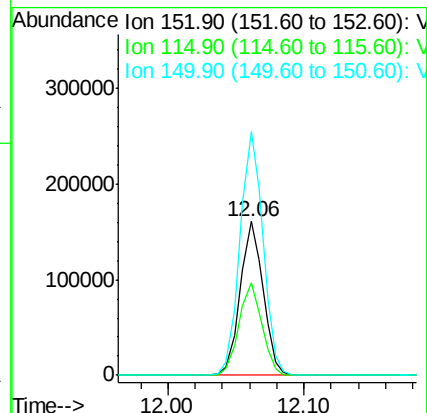
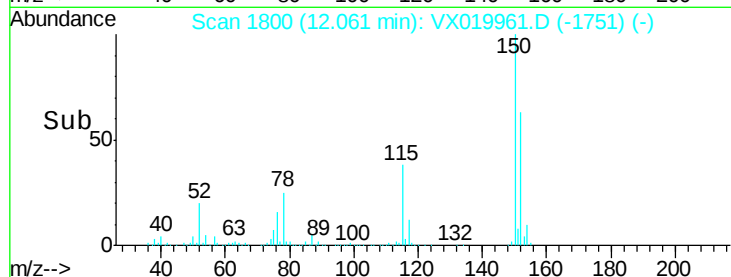
150 159.6 0.0 349.0



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: 24.478 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019961.D

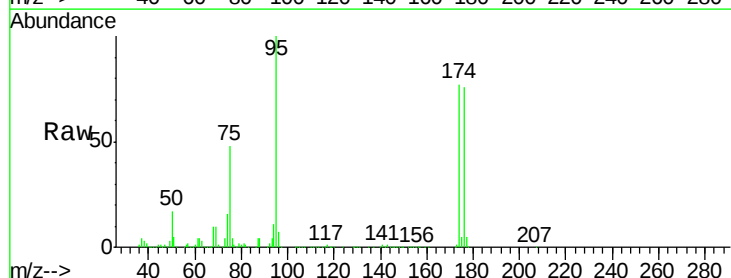
Acq: 13 Dec 2020 03:15

Tgt Ion: 75 Resp: 103666

Ion Ratio Lower Upper

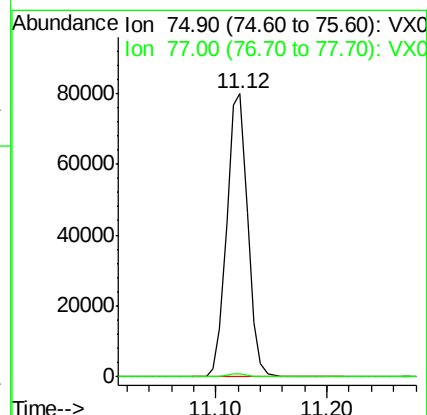
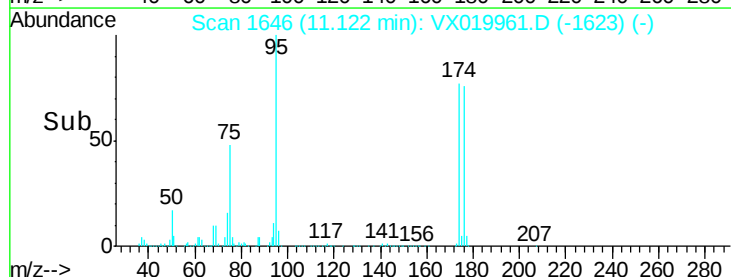
75 100

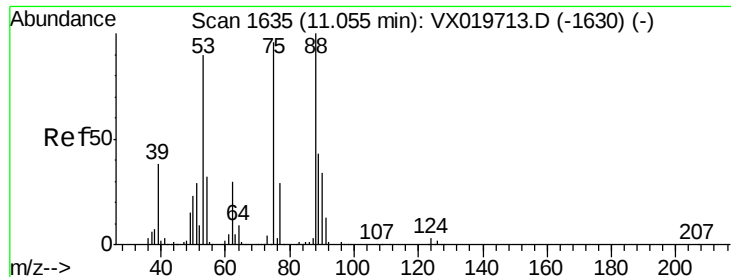
77 1.2 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 70.762 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019961.D

Acq: 13 Dec 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

PB133565ZHE#13

Tgt Ion: 75 Resp: 103666

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

