

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102020\
 Data File : VX018994.D
 Acq On : 20 Oct 2020 23:24
 Operator : JC/SP
 Sample : L4418-01 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB-2020-WS-000-02DL

Quant Time: Oct 21 03:29:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102020W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 20 19:16:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	160173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	300406	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	297355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	141934	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	110697	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
35) Dibromofluoromethane	5.46	113	92035	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	8.70	98	387268	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.12	95	146832	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	

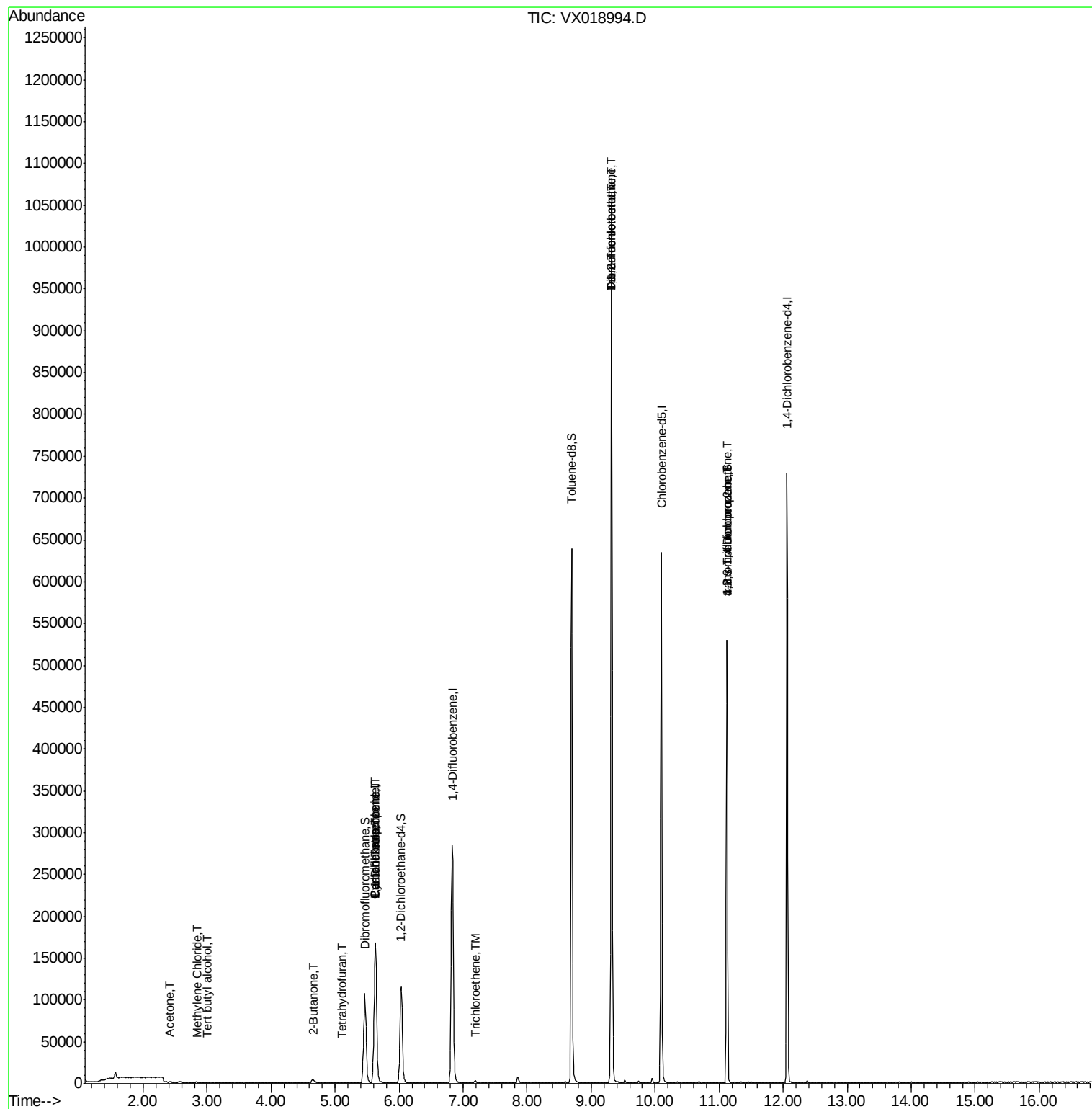
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	40	Below Cal	#	68
11) Tert butyl alcohol	3.00	59	194	0.402	ug/l #	72
12) 1,1-Dichloroethene	2.34	96	65	Below Cal	#	41
13) Acrolein	2.30	56	255	Below Cal	#	15
16) Acetone	2.42	43	813	1.109	ug/l	91
20) Methylene Chloride	2.83	84	423	0.223	ug/l #	89
25) 2-Butanone	4.65	43	386	0.326	ug/l #	41
29) Tetrahydrofuran	5.10	42	171	0.245	ug/l #	21
31) Cyclohexane	5.62	56	3735	1.517	ug/l #	24
36) 1,1-Dichloropropene	5.63	75	13630	4.855	ug/l #	48
38) Carbon Tetrachloride	5.63	117	16267	5.758	ug/l #	15
44) Trichloroethene	7.19	130	895	0.396	ug/l	92
55) 1,1,2-Trichloroethane	9.31	97	1868	0.841	ug/l #	15
60) Dibromochloromethane	9.32	129	191323	77.963	ug/l #	11
64) Tetrachloroethene	9.32	164	196191	93.638	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	73253	25.111	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	73253	66.238	ug/l #	16

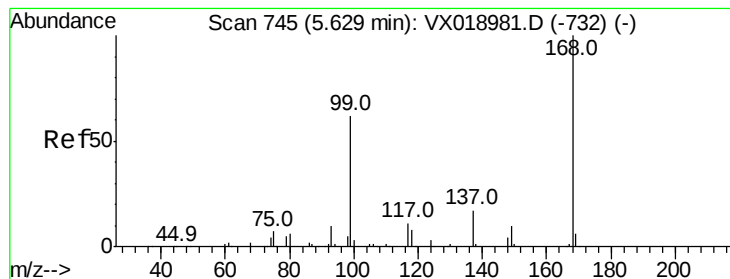
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 20 19:16:32 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018994.D

Acq: 20 Oct 2020 23:24

Instrument :

MSVOA_X

ClientSampleId :

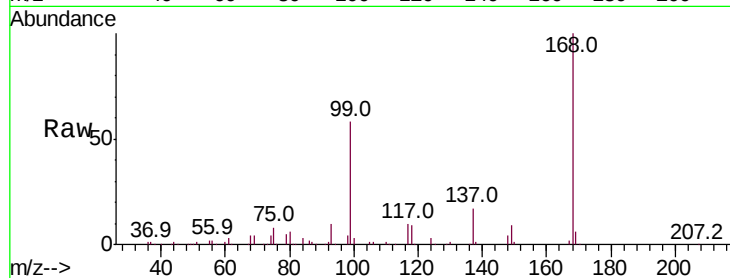
PB-2020-WS-000-02DL

Tot Ion:168 Resp: 160173

Ion Ratio Lower Upper

168 100

99 57.9 49.7 74.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

60000

50000

40000

30000

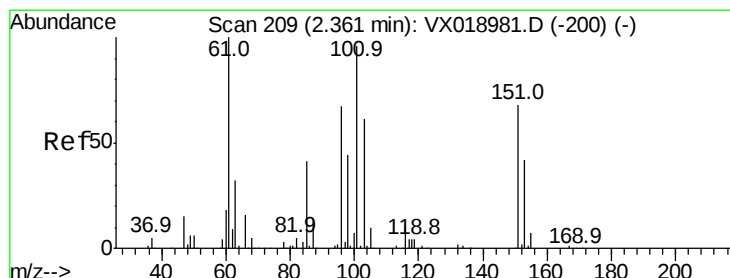
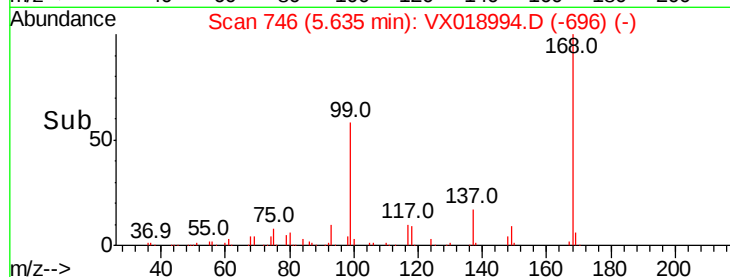
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX018994.D

Acq: 20 Oct 2020 23:24

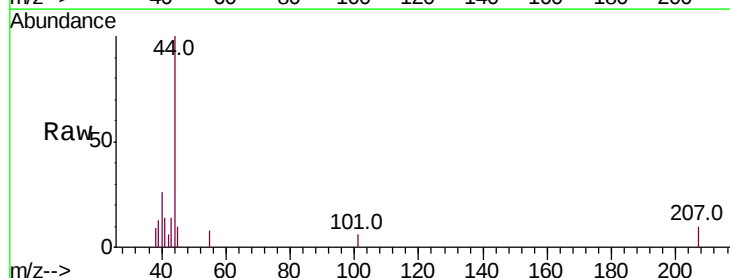
Tgt Ion:101 Resp: 40

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 62.5 56.1 84.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

80

60

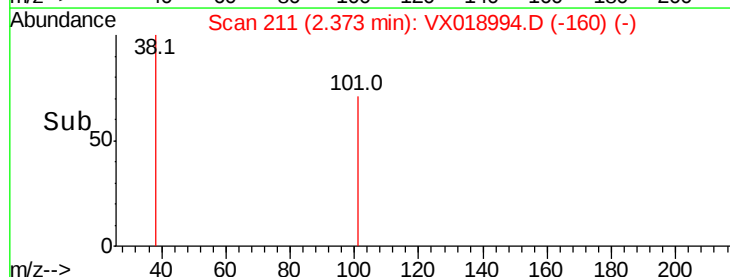
40

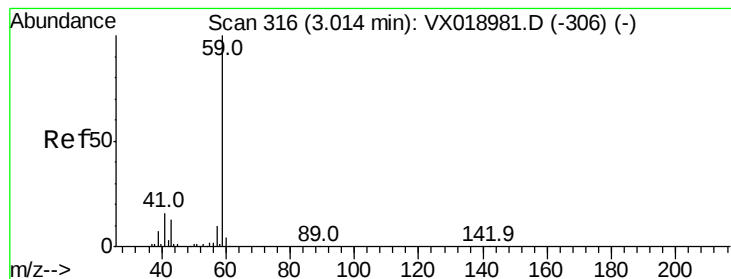
20

0

Time-->

2.34 2.36 2.38



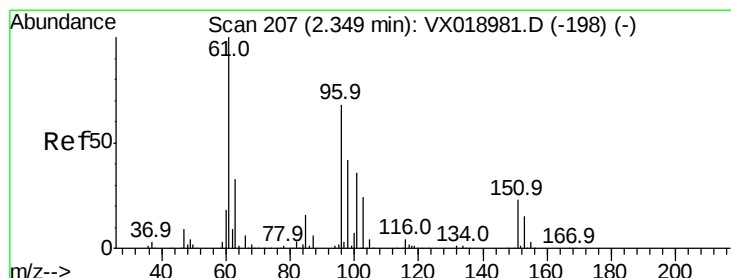
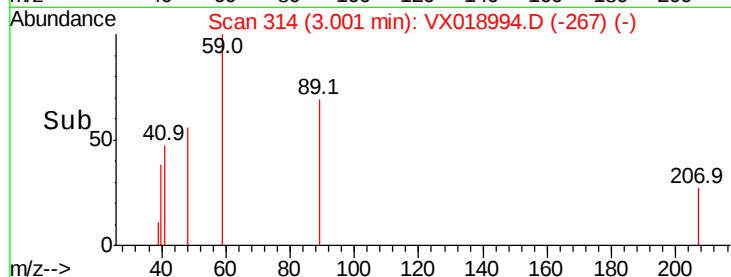
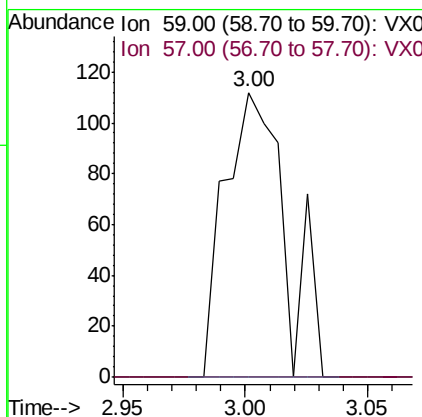
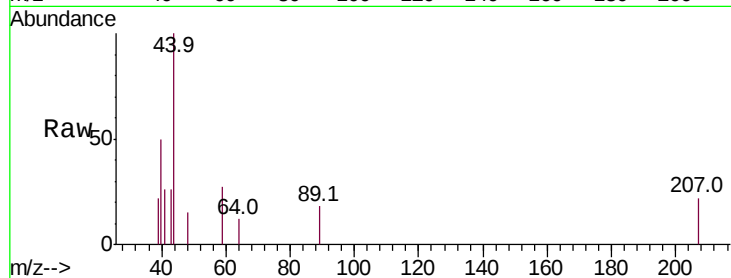


#11

Tert butyl alcohol
 Concen: 0.402 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX018994.D
 Acq: 20 Oct 2020 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 PB-2020-WS-000-02DL

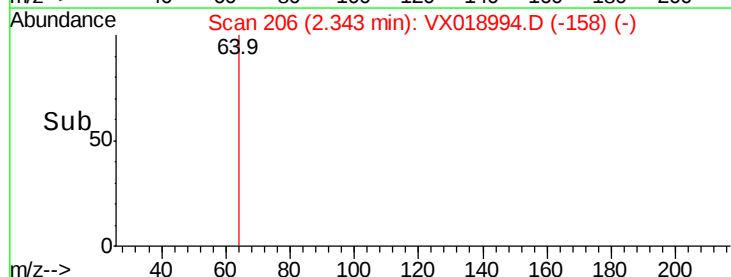
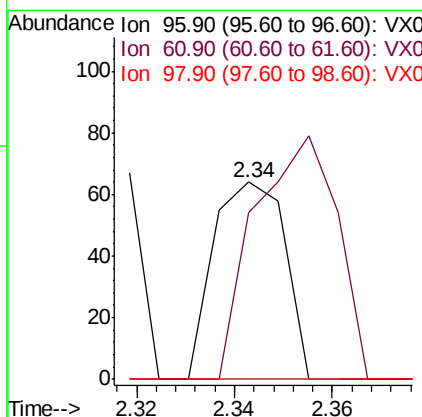
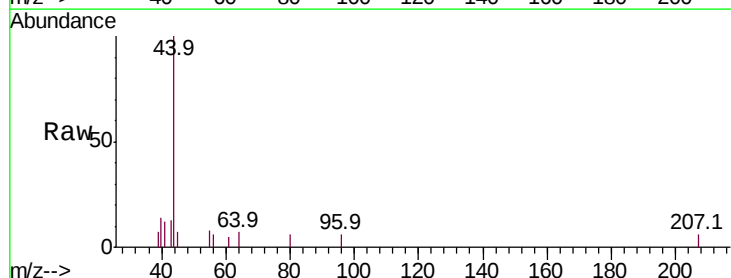
Tot Ion: 59 Resp: 194
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

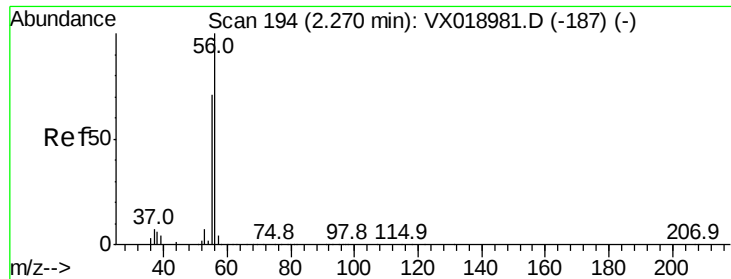


#12

1,1-Dichloroethene
 Concen: Below Cal
 RT: 2.34 min Scan# 206
 Delta R.T. -0.01 min
 Lab File: VX018994.D
 Acq: 20 Oct 2020 23:24

Tgt Ion: 96 Resp: 65
 Ion Ratio Lower Upper
 96 100
 61 84.4 117.4 176.0#
 98 0.0 48.9 73.3#

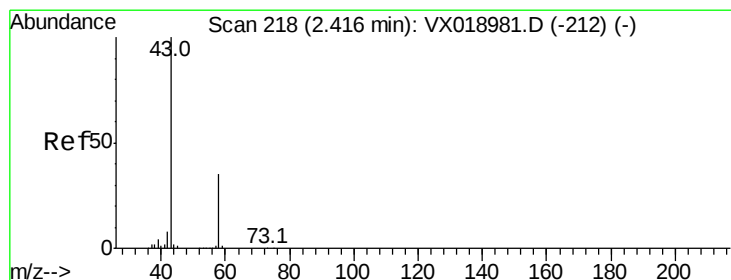
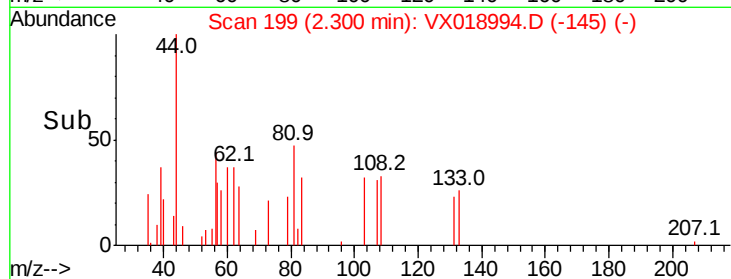
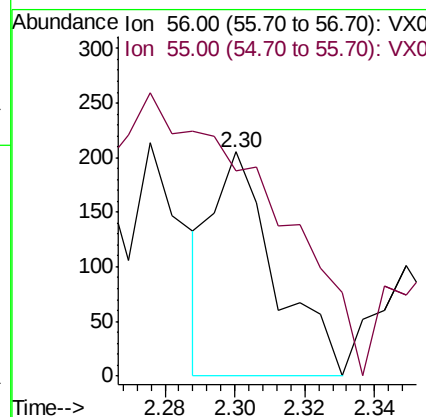
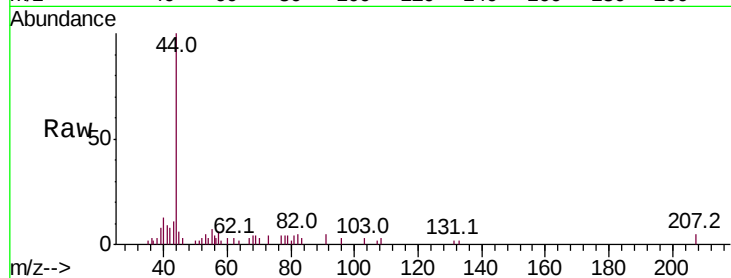




#13
Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 199
Delta R.T. 0.03 min
Lab File: VX018994.D
Acq: 20 Oct 2020 23:24

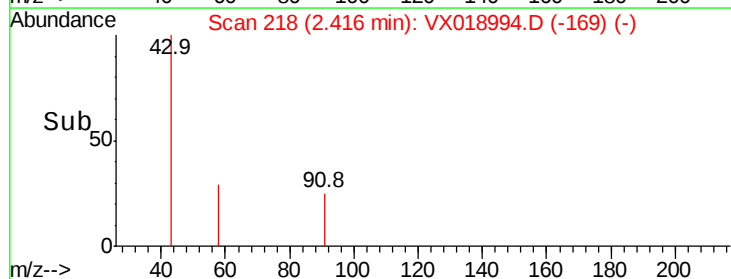
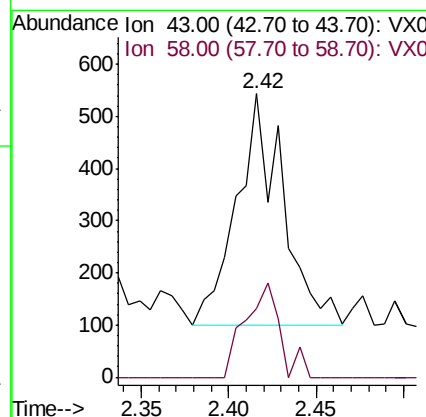
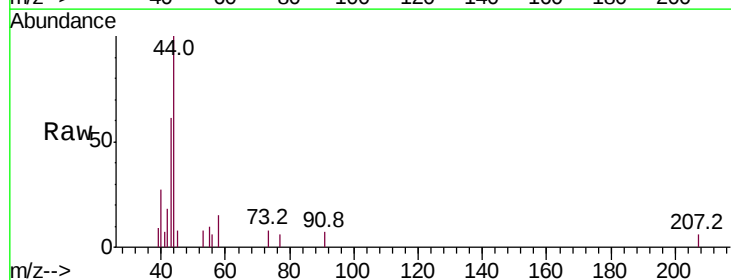
Instrument :
MSVOA_X
ClientSampleId :
PB-2020-WS-000-02DL

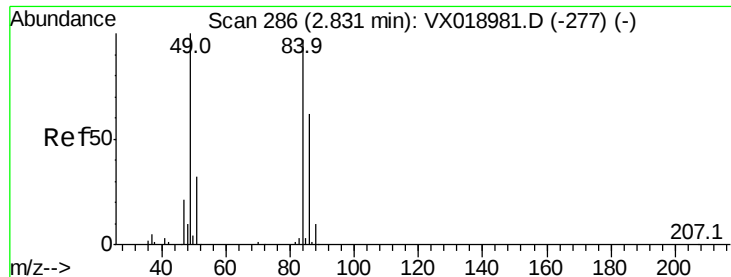
Tot Ion: 56 Resp: 255
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#



#16
Acetone
Concen: 1.109 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX018994.D
Acq: 20 Oct 2020 23:24

Tgt Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
58 29.8 27.9 41.9

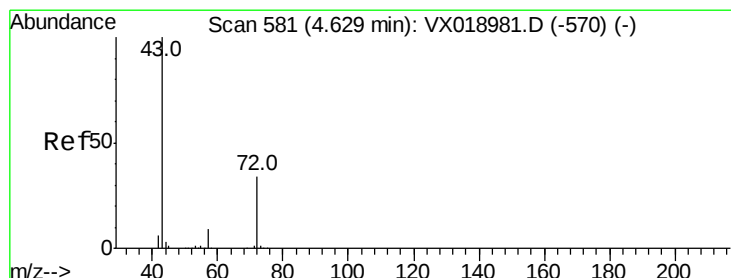
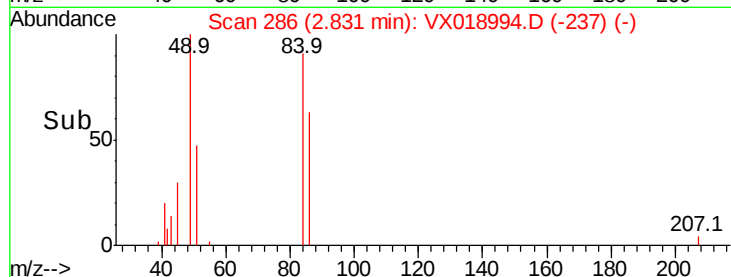
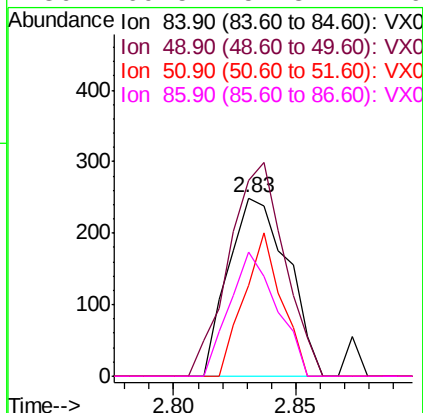
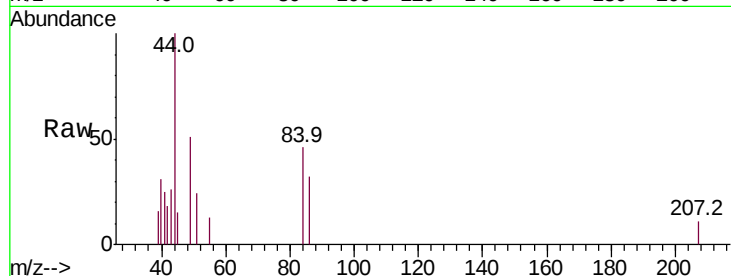




#20
Methvlene Chloride
Concen: 0.223 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX018994.D
Acq: 20 Oct 2020 23:24

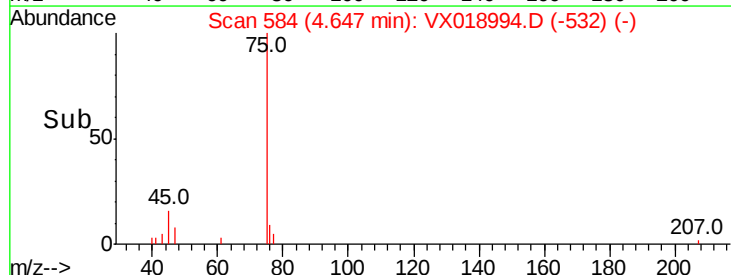
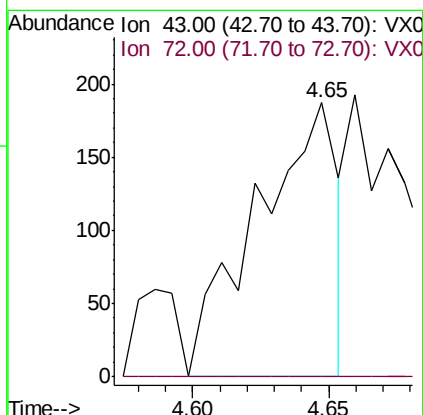
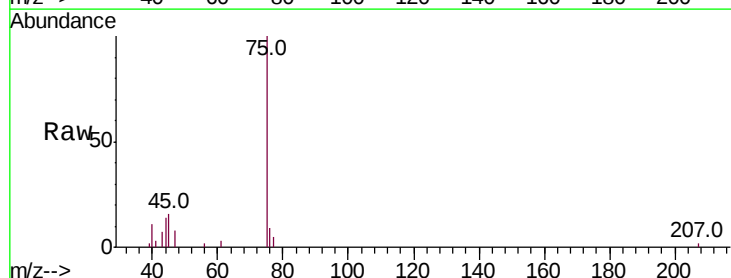
Instrument :
MSVOA_X
ClientSampleId :
PB-2020-WS-000-02DL

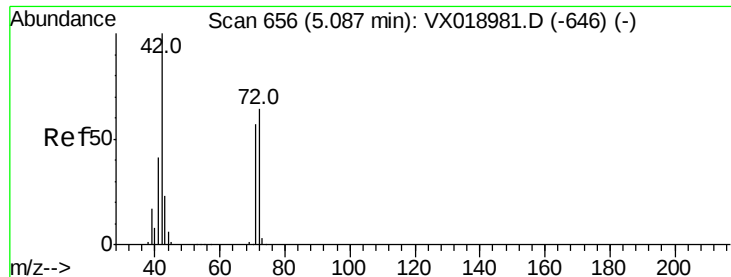
Tot Ion: 84 Resp: 423
Ion Ratio Lower Upper
84 100
49 110.0 82.9 124.3
51 51.4 26.4 39.6#
86 69.5 51.8 77.6



#25
2-Butanone
Concen: 0.326 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.02 min
Lab File: VX018994.D
Acq: 20 Oct 2020 23:24

Tgt Ion: 43 Resp: 386
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#





#29

Tetrahydrofuran

Concen: 0.245 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX018994.D

Acq: 20 Oct 2020 23:24

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WS-000-02DL

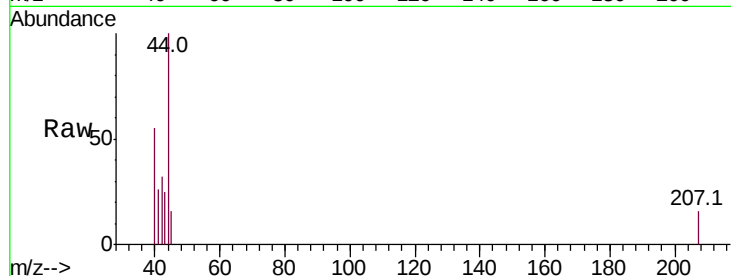
Tot Ion: 42 Resp: 171

Ion Ratio Lower Upper

42 100

72 0.0 49.2 73.8#

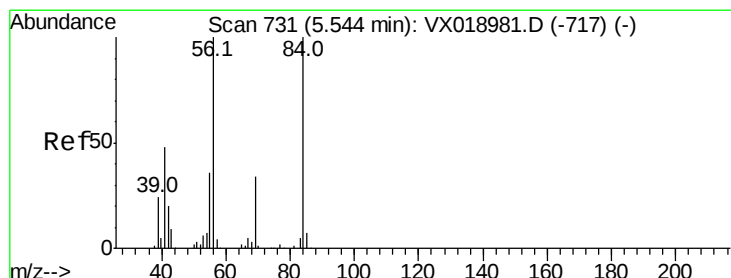
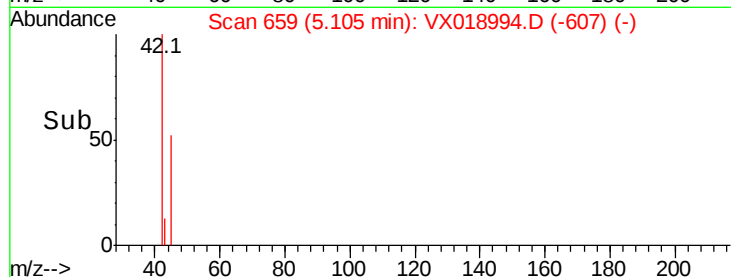
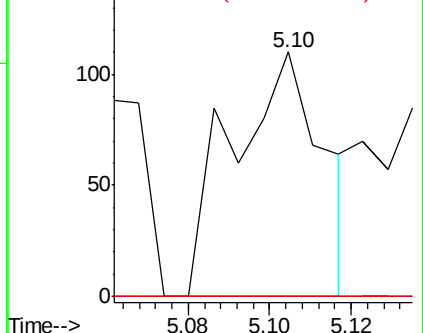
71 0.0 45.3 67.9#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.517 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX018994.D

Acq: 20 Oct 2020 23:24

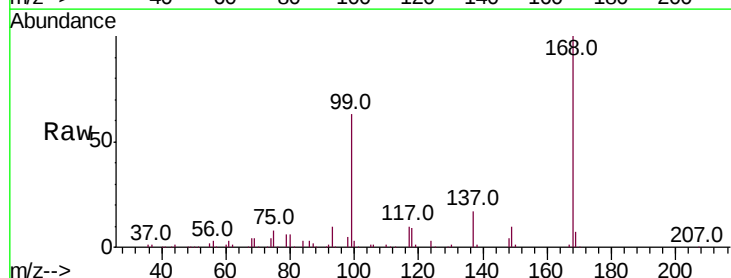
Tgt Ion: 56 Resp: 3735

Ion Ratio Lower Upper

56 100

69 155.9 27.1 40.7#

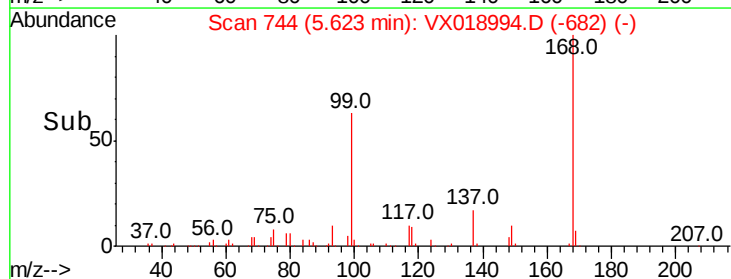
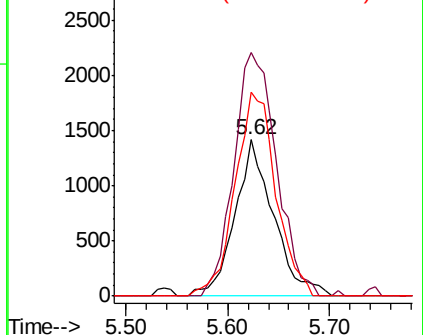
84 130.9 80.4 120.6#

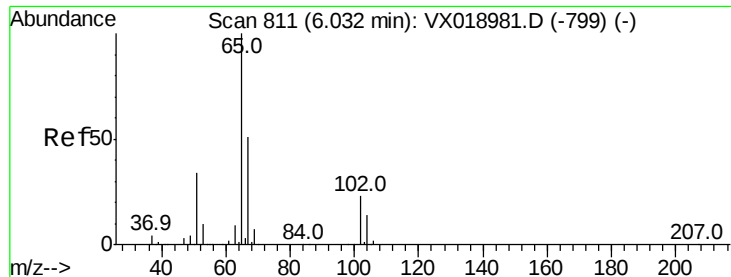


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.576 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018994.D

Acq: 20 Oct 2020 23:24

Instrument :

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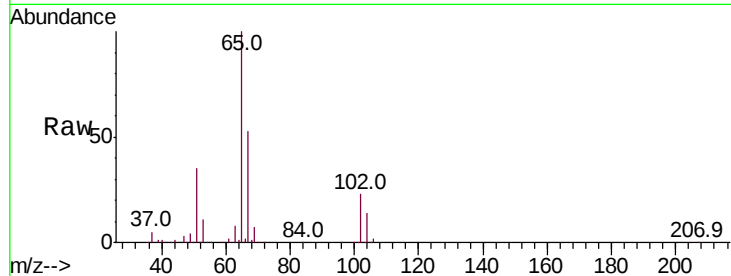
PB-2020-WS-000-02DL

Tot Ion: 65 Resp: 110697

Ion Ratio Lower Upper

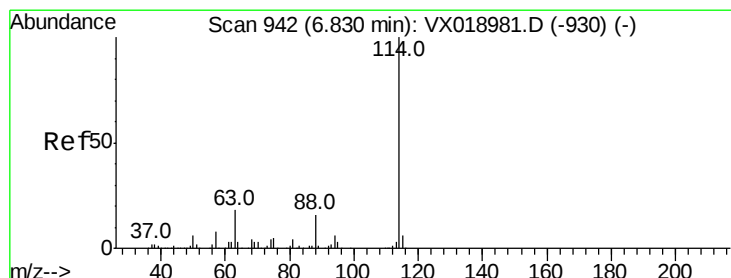
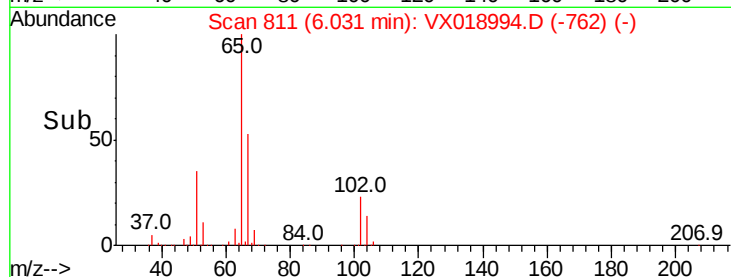
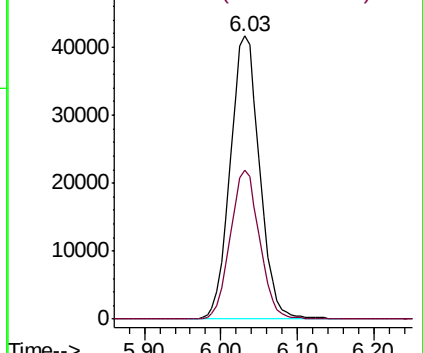
65 100

67 52.4 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. -0.00 min

Lab File: VX018994.D

Acq: 20 Oct 2020 23:24

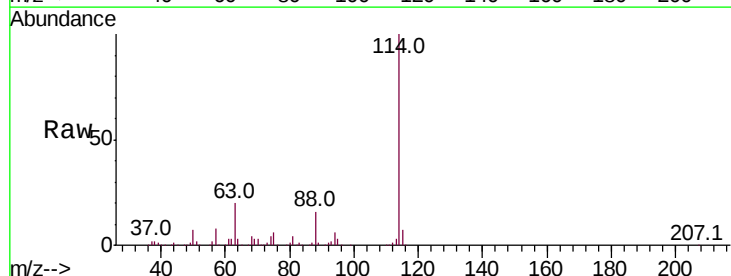
Tgt Ion: 114 Resp: 300406

Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.8

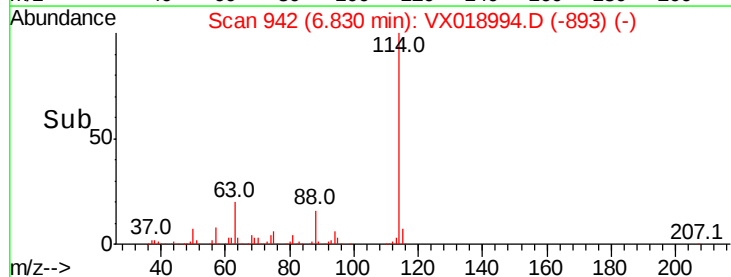
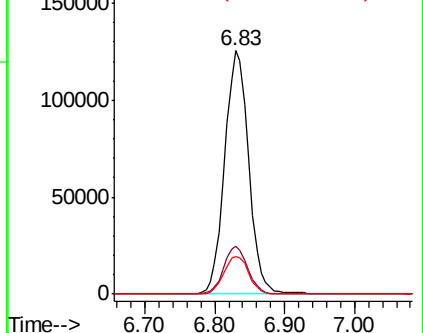
88 15.6 0.0 31.8

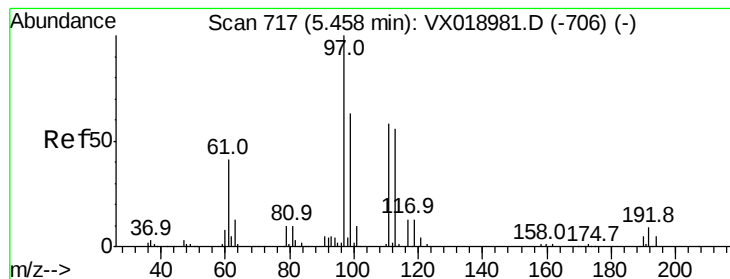


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.475 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX018994.D

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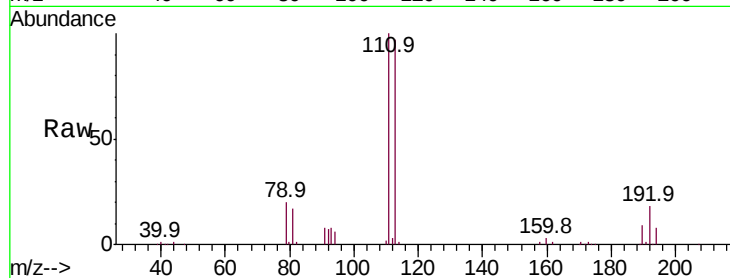
Tot Ion:113 Resp: 92035

Ion Ratio Lower Upper

113 100

111 101.6 84.1 126.1

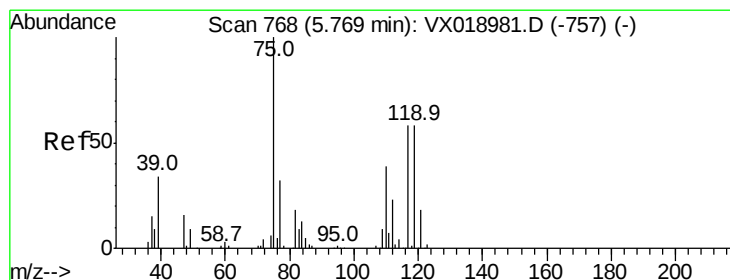
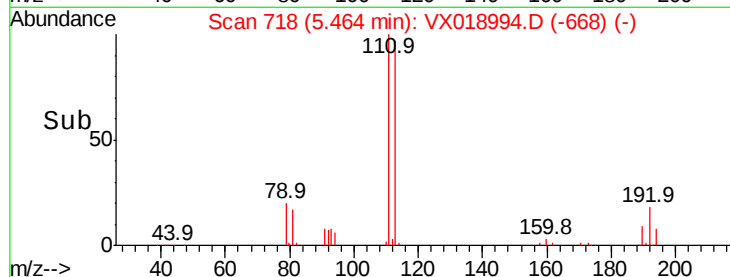
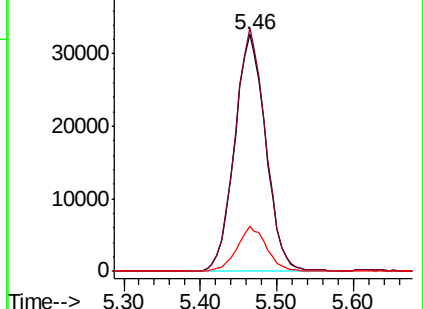
192 18.0 14.7 22.1



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: 4.855 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018994.D

Acq: 20 Oct 2020 23:24

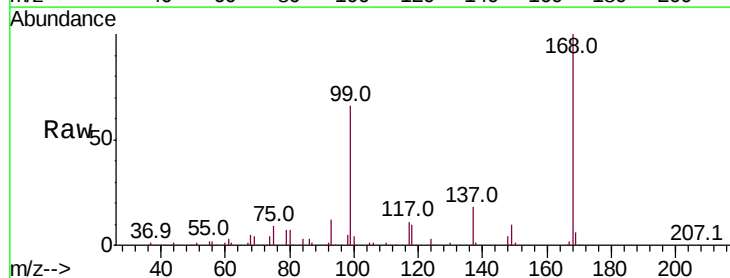
Tgt Ion: 75 Resp: 13630

Ion Ratio Lower Upper

75 100

110 8.9 18.6 55.6#

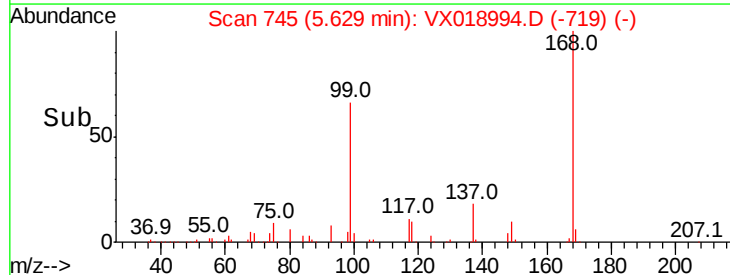
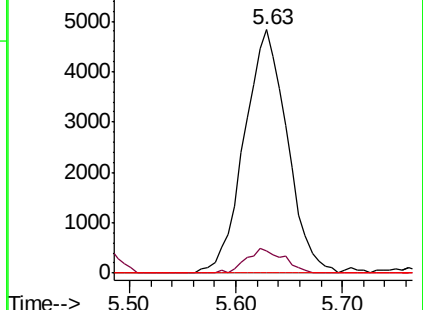
77 0.0 25.0 37.4#

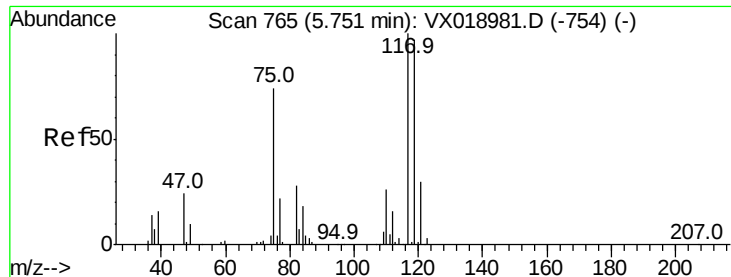


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.758 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018994.D

Acq: 20 Oct 2020 23:24

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WS-000-02DL

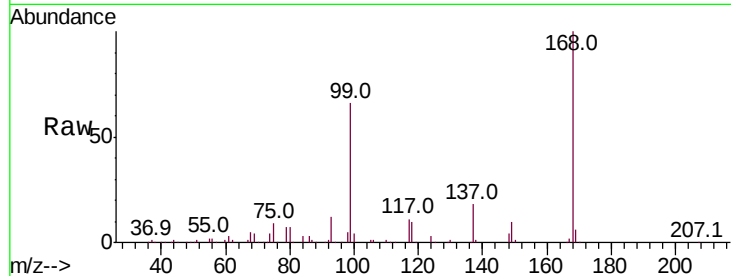
Tot Ion:117 Resp: 16267

Ion Ratio Lower Upper

117 100

119 4.4 77.6 116.4#

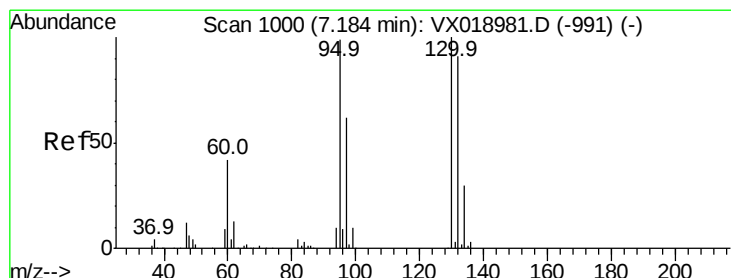
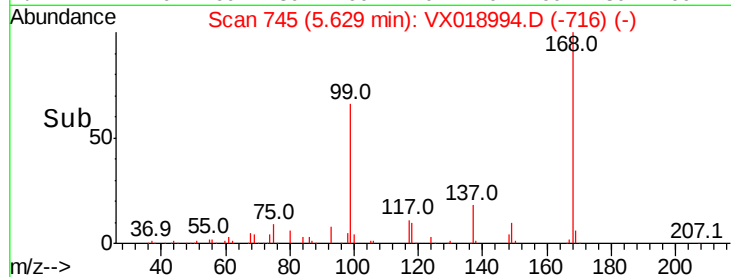
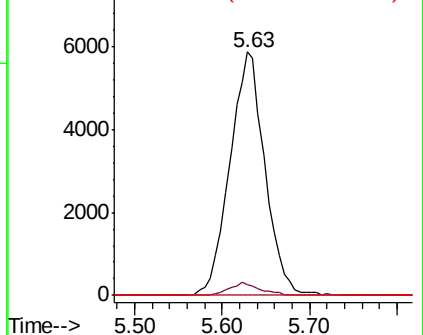
121 0.0 23.9 35.9#



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



#44

Trichloroethene

Concen: 0.396 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX018994.D

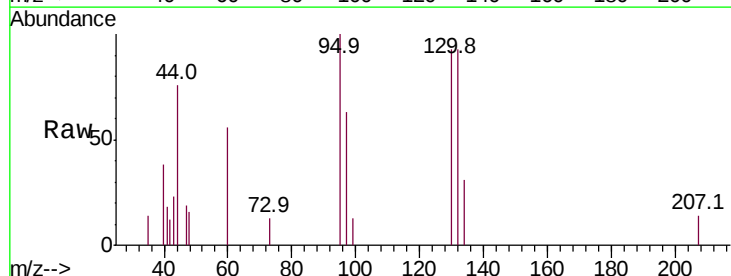
Acq: 20 Oct 2020 23:24

Tgt Ion:130 Resp: 895

Ion Ratio Lower Upper

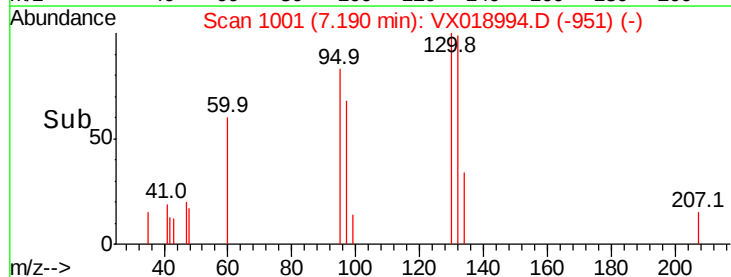
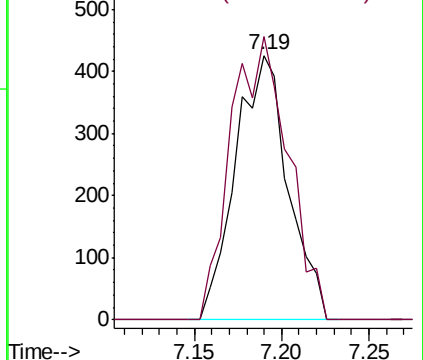
130 100

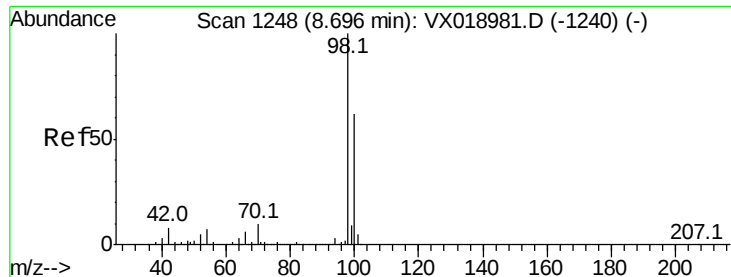
95 107.0 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

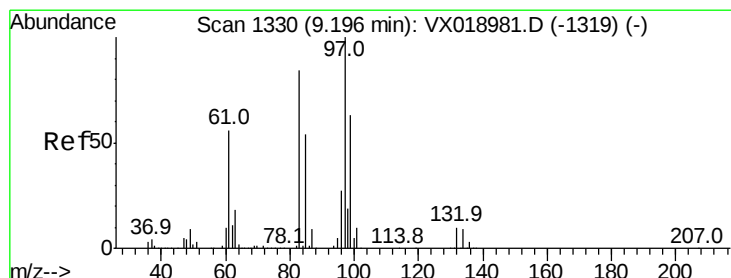
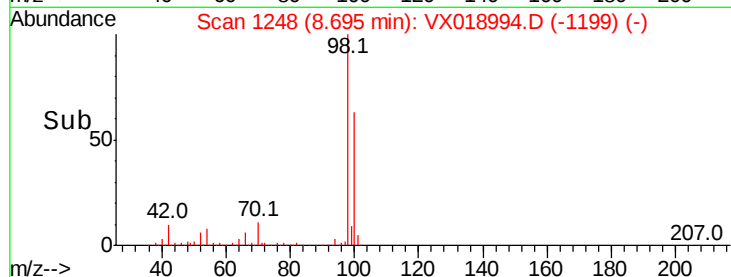
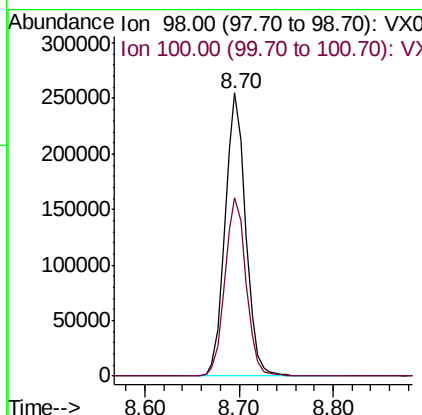
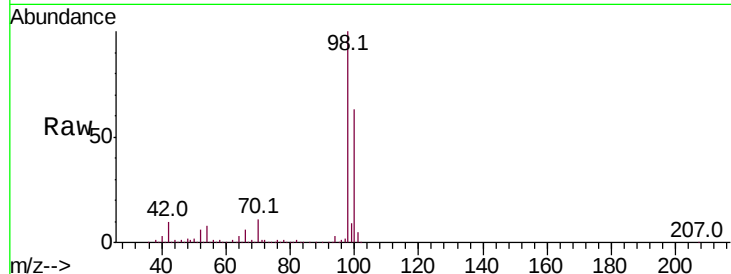




#50
Toluene-d8
Concen: 51.189 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018994.D
Acq: 20 Oct 2020 23:24

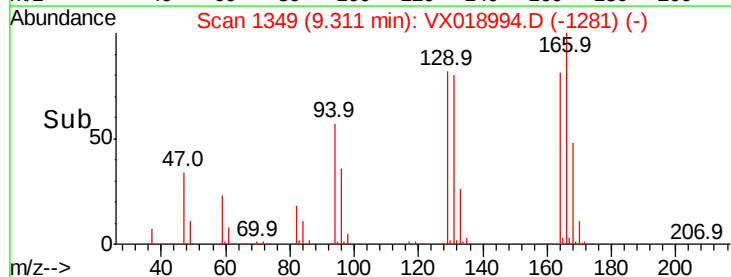
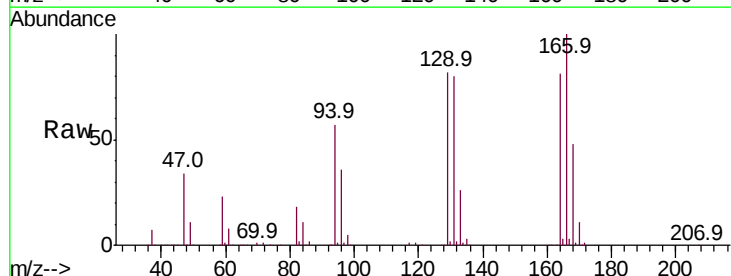
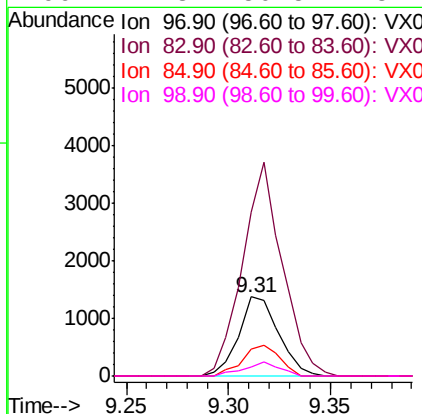
Instrument :
MSVOA_X
ClientSampleId :
PB-2020-WS-000-02DL

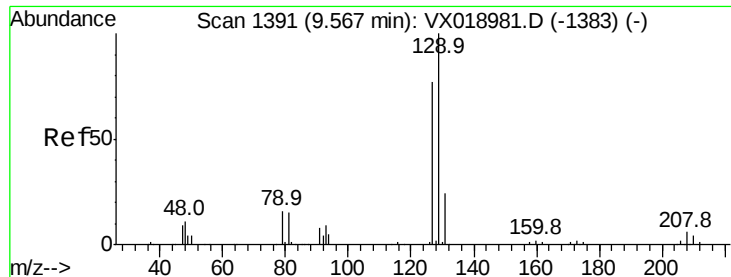
Tot Ion: 98 Resp: 387268
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#55
1,1,2-Trichloroethane
Concen: 0.841 ug/l
RT: 9.31 min Scan# 1349
Delta R.T. 0.12 min
Lab File: VX018994.D
Acq: 20 Oct 2020 23:24

Tgt Ion: 97 Resp: 1868
Ion Ratio Lower Upper
97 100
83 207.2 67.4 101.0#
85 34.4 43.1 64.7#
99 11.3 50.5 75.7#





#60

Dibromochloromethane

Concen: 77.963 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX018994.D

Acq: 20 Oct 2020 23:24

Instrument :

MSVOA_X

ClientSampleId :

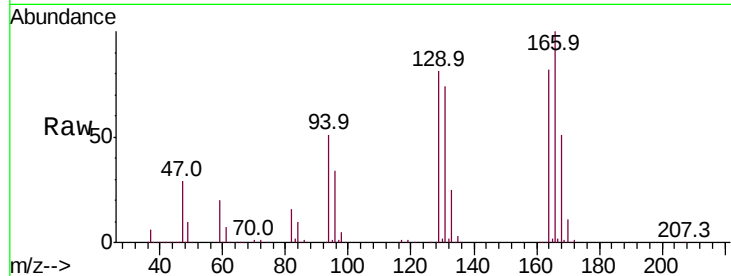
PB-2020-WS-000-02DL

Tot Ion:129 Resp: 191323

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

150000

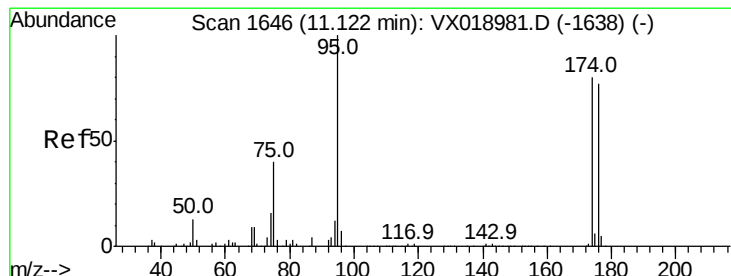
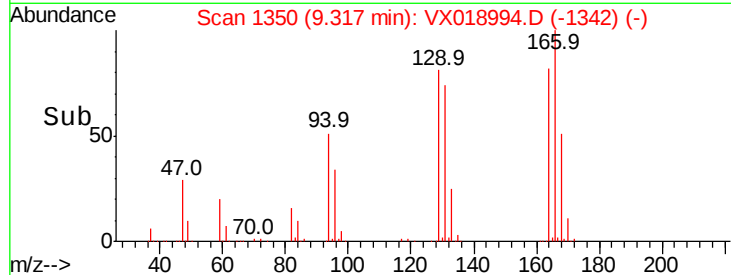
100000

50000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#62

4-Bromofluorobenzene

Concen: 49.688 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018994.D

Acq: 20 Oct 2020 23:24

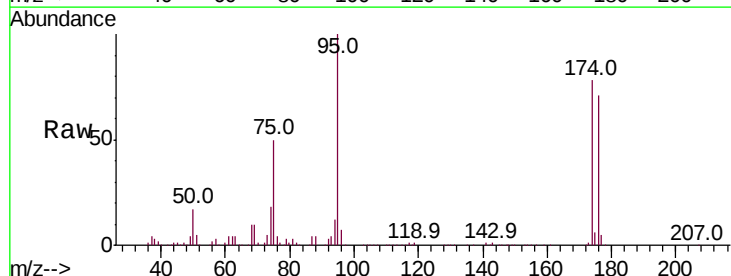
Tgt Ion: 95 Resp: 146832

Ion Ratio Lower Upper

95 100

174 72.8 0.0 159.8

176 68.9 0.0 152.8



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

150000

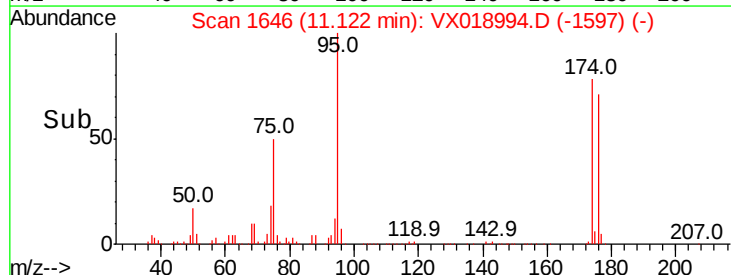
100000

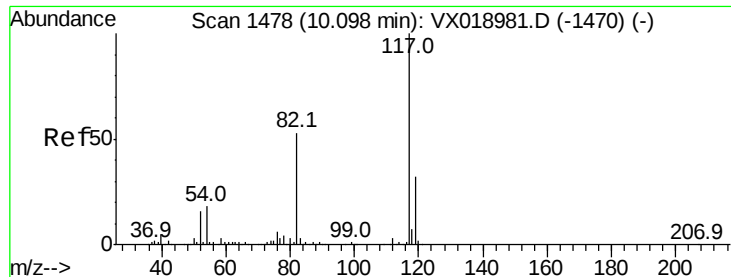
50000

0

11.05 11.10 11.15 11.20

Time-->

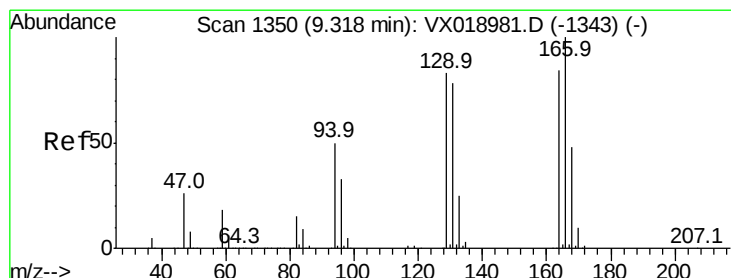
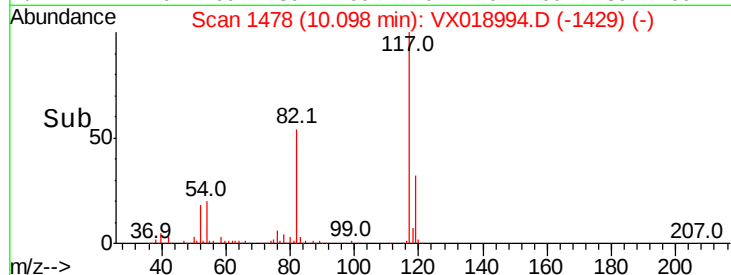
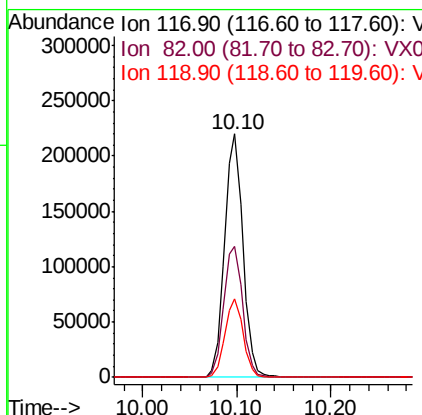
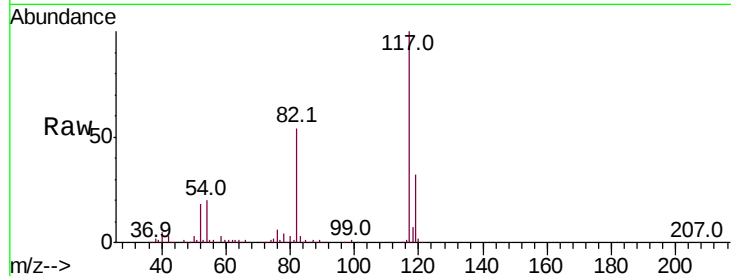




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018994.D
Acq: 20 Oct 2020 23:24

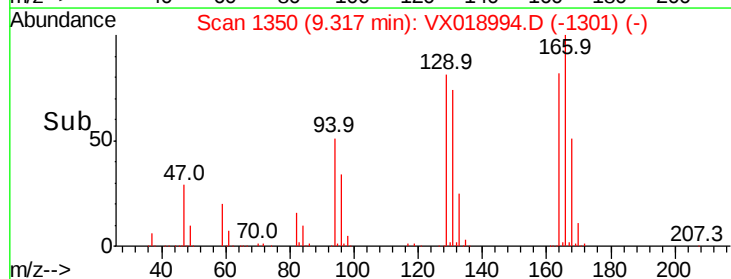
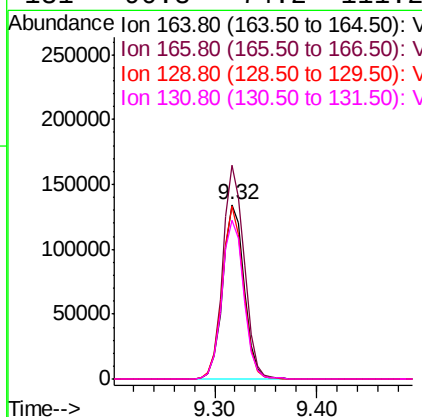
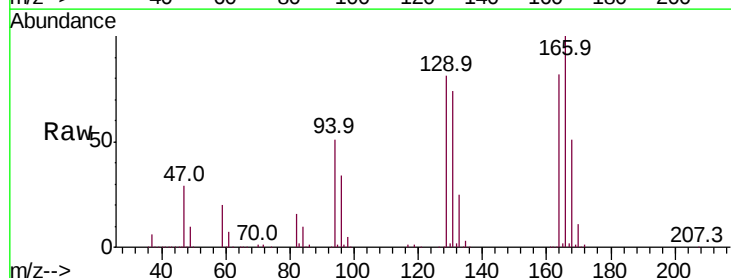
Instrument :
MSVOA_X
ClientSampleId :
PB-2020-WS-000-02DL

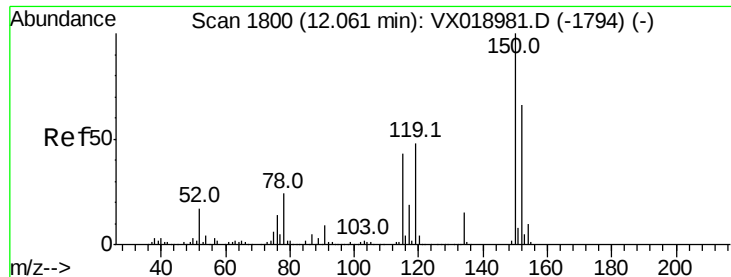
Tot Ion:117 Resp: 297355
Ion Ratio Lower Upper
117 100
82 54.0 42.2 63.4
119 32.0 25.8 38.8



#64
Tetrachloroethene
Concen: 93.638 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX018994.D
Acq: 20 Oct 2020 23:24

Tgt Ion:164 Resp: 196191
Ion Ratio Lower Upper
164 100
166 122.2 95.2 142.8
129 99.1 79.4 119.0
131 90.8 74.2 111.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018994.D

Acq: 20 Oct 2020 23:24

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WS-000-02DL

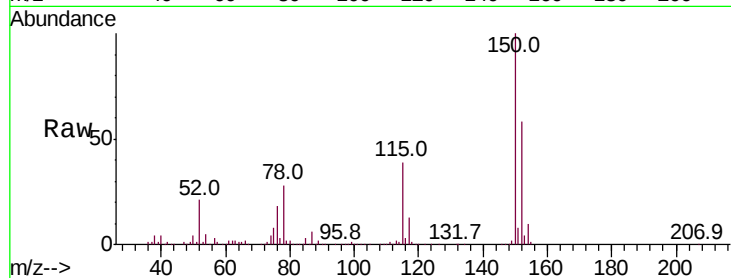
Tot Ion:152 Resp: 141934

Ion Ratio Lower Upper

152 100

115 63.1 41.2 123.6

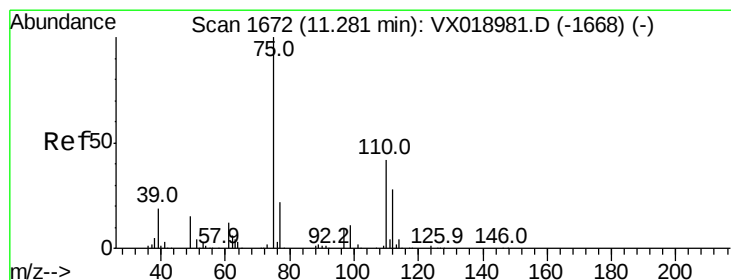
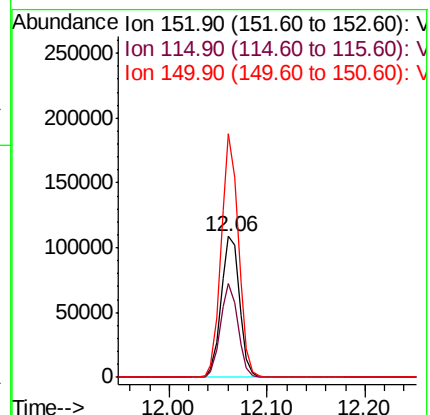
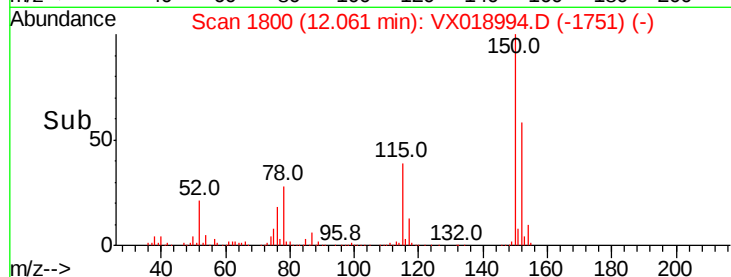
150 162.5 0.0 345.6



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: 25.111 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018994.D

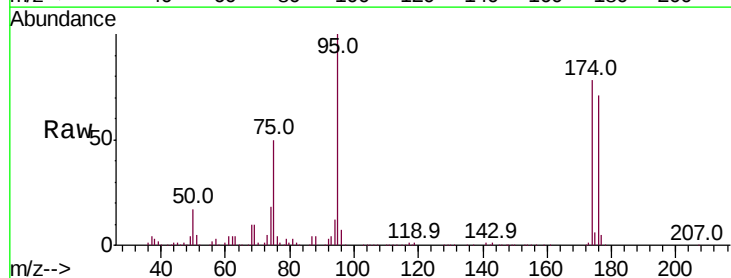
Acq: 20 Oct 2020 23:24

Tgt Ion: 75 Resp: 73253

Ion Ratio Lower Upper

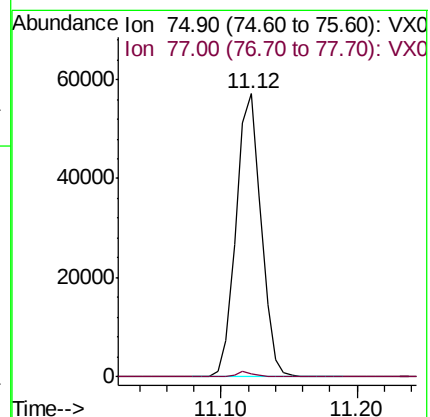
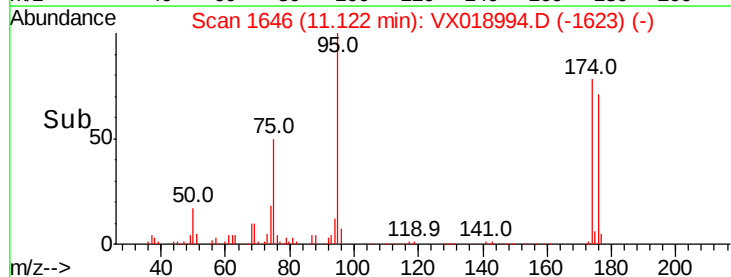
75 100

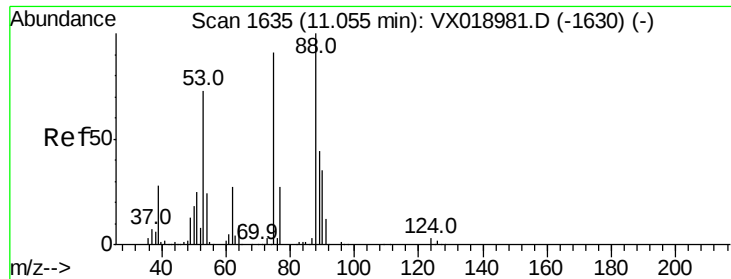
77 1.4 20.6 61.9#



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: 66.238 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018994.D

Acq: 20 Oct 2020 23:24

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WS-000-02DL

Tot Ion: 75 Resp: 73253

Ion Ratio Lower Upper

75 100

53 0.0 63.9 95.9#

89 0.0 39.9 59.9#

