

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102020\
 Data File : VX018993.D
 Acq On : 20 Oct 2020 23:01
 Operator : JC/SP
 Sample : L4418-01DL 500X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Oct 21 03:29:11 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	162304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	305860	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	294708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	146127	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	112553	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
35) Dibromofluoromethane	5.46	113	94179	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.70	98	394668	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.12	95	145856	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	

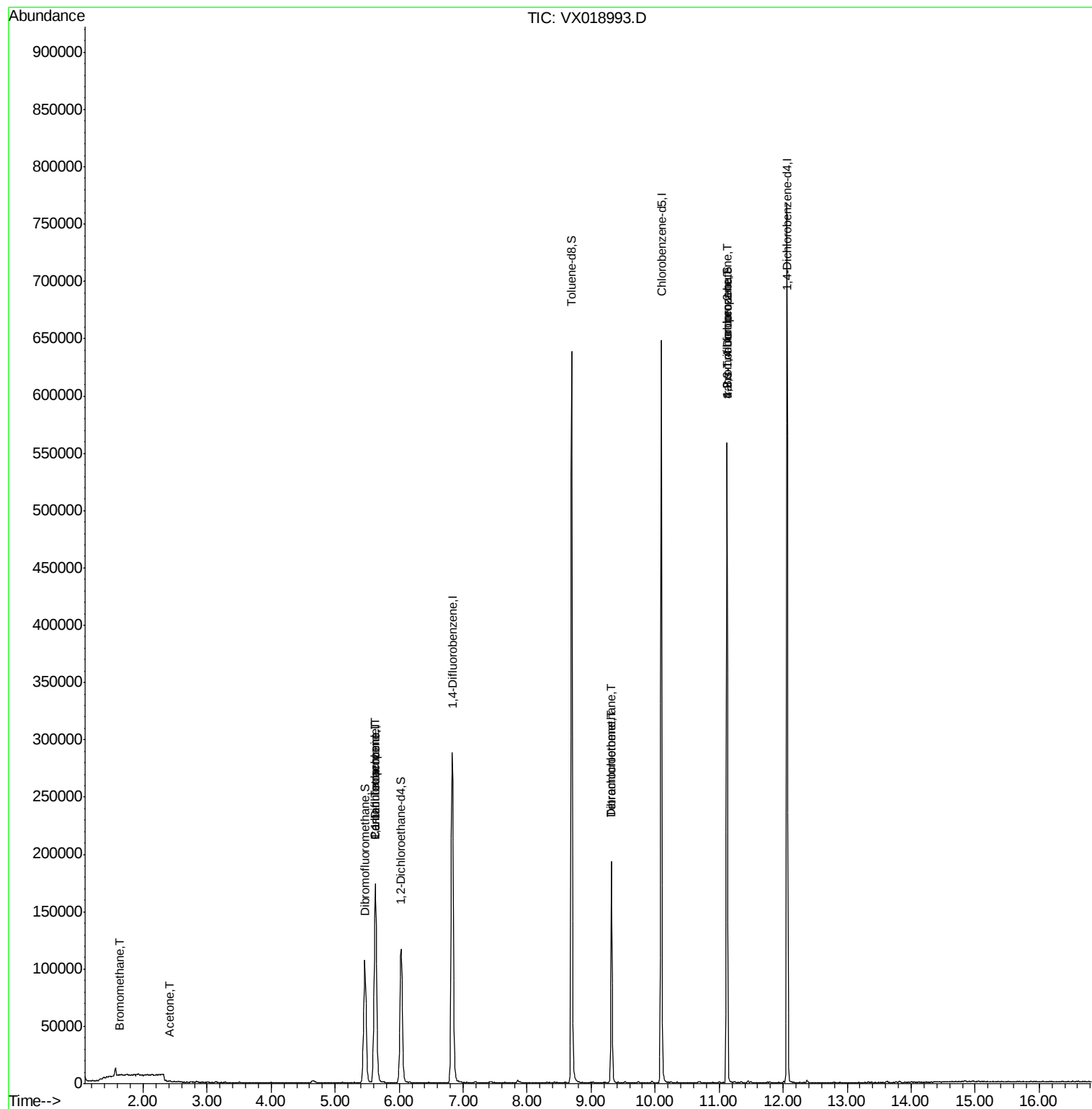
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	464	0.276	ug/l #	46
9) 1,1,2-Trichlorotrifluoroet	2.36	101	47	Below Cal	#	61
12) 1,1-Dichloroethene	2.35	96	69	Below Cal	#	1
13) Acrolein	2.25	56	188	Below Cal	#	61
16) Acetone	2.42	43	466	0.627	ug/l #	82
36) 1,1-Dichloropropene	5.63	75	13586	4.753	ug/l #	49
38) Carbon Tetrachloride	5.63	117	16572	5.761	ug/l #	14
60) Dibromochloromethane	9.32	129	34488	13.803	ug/l #	11
64) Tetrachloroethene	9.32	164	35793	17.237	ug/l #	95
76) 1,2,3-Trichloropropane	11.12	75	74383	24.767	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	74383	65.329	ug/l #	16

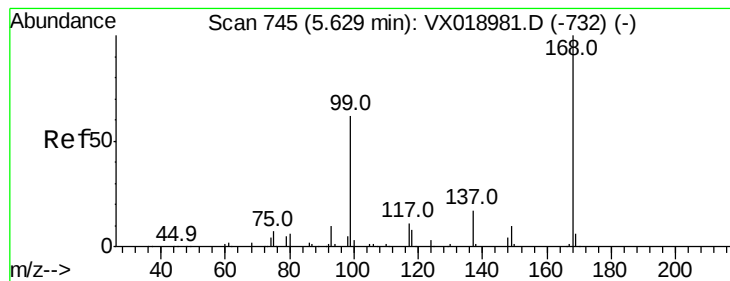
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102020\
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Quant Title : SW846 8260
QLast Update : Tue Oct 20 19:16:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018993.D

Acq: 20 Oct 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

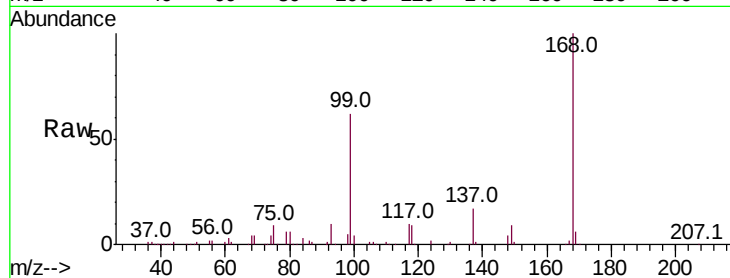
PB-2020-WS-000-02DL

Tot Ion:168 Resp: 162304

Ion Ratio Lower Upper

168 100

99 61.9 49.7 74.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

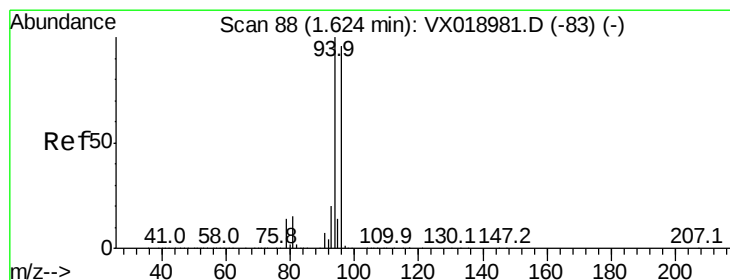
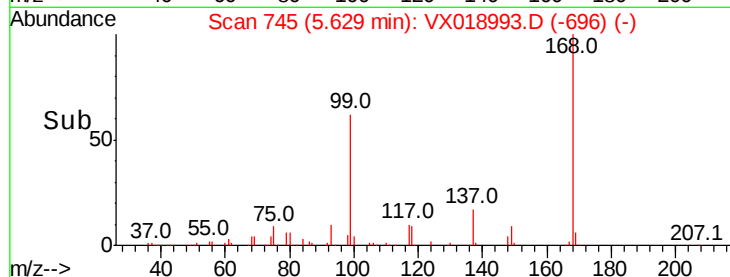
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.276 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018993.D

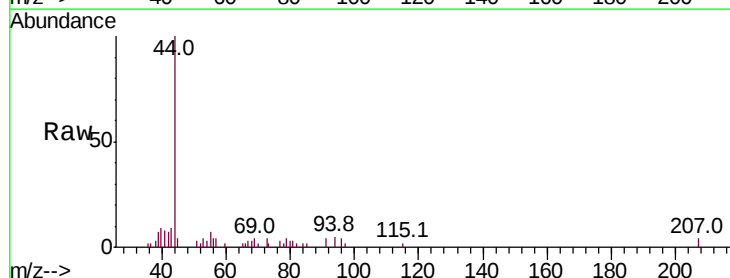
Acq: 20 Oct 2020 23:01

Tgt Ion: 94 Resp: 464

Ion Ratio Lower Upper

94 100

96 42.7 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

150

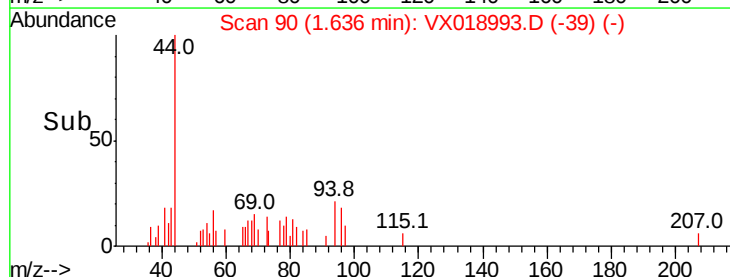
100

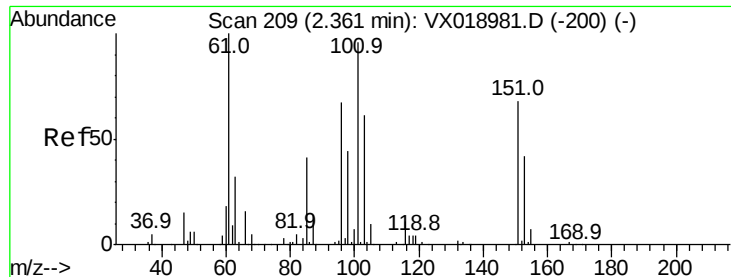
50

0

1.60 1.65 1.70

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX018993.D

Acq: 20 Oct 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WS-000-02DL

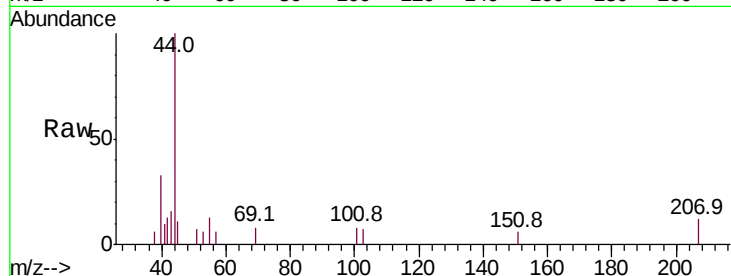
Tot Ion:101 Resp: 47

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

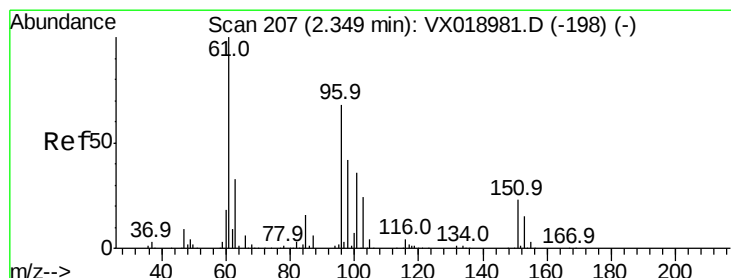
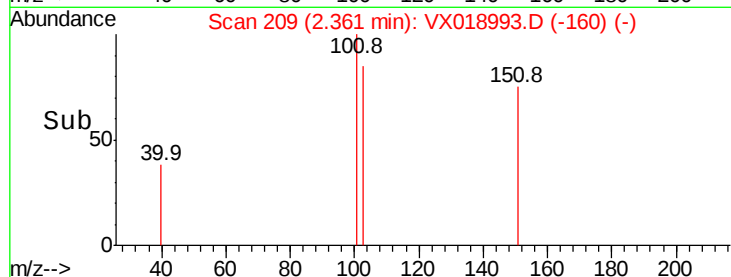
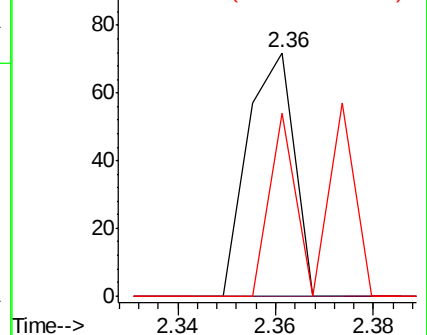
151 87.2 56.1 84.1#



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



#12

1,1-Dichloroethene

Concen: Below Cal

RT: 2.35 min Scan# 207

Delta R.T. 0.00 min

Lab File: VX018993.D

Acq: 20 Oct 2020 23:01

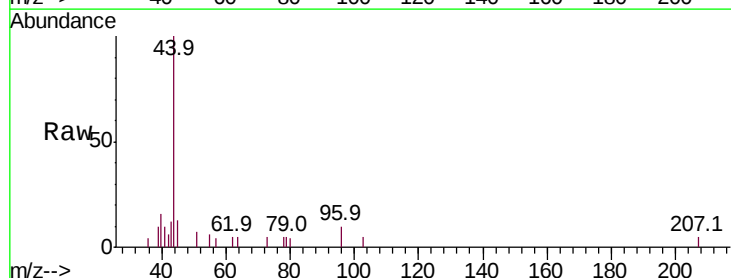
Tgt Ion: 96 Resp: 69

Ion Ratio Lower Upper

96 100

61 0.0 117.4 176.0#

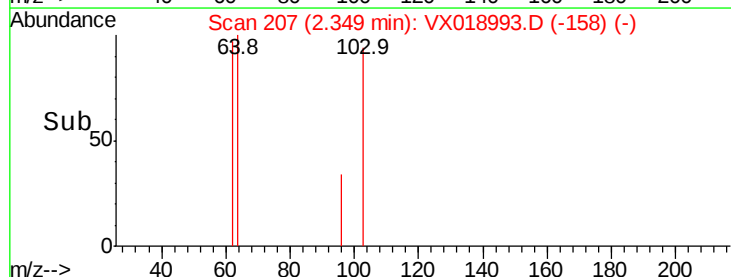
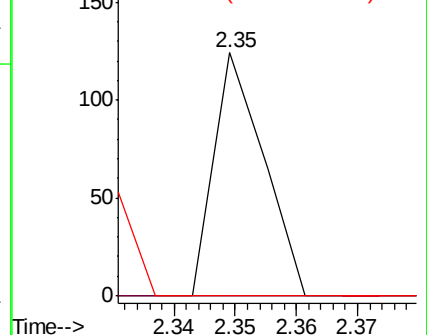
98 0.0 48.9 73.3#

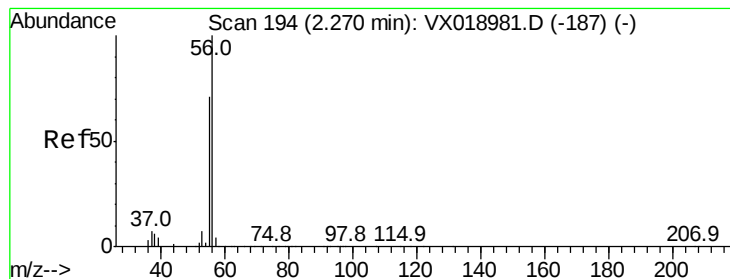


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.25 min Scan# 191

Delta R.T. -0.02 min

Lab File: VX018993.D

Acq: 20 Oct 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

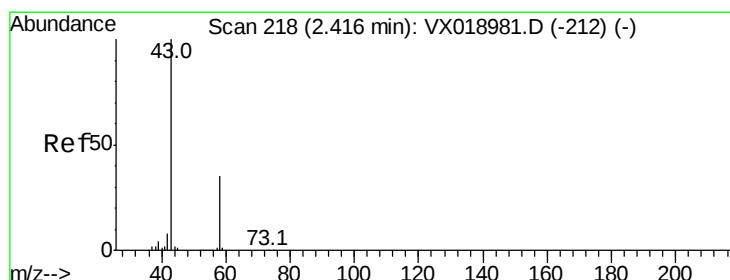
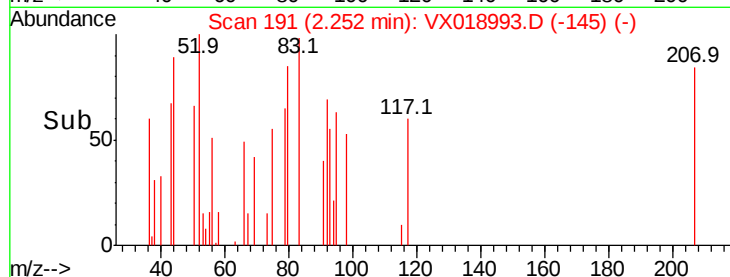
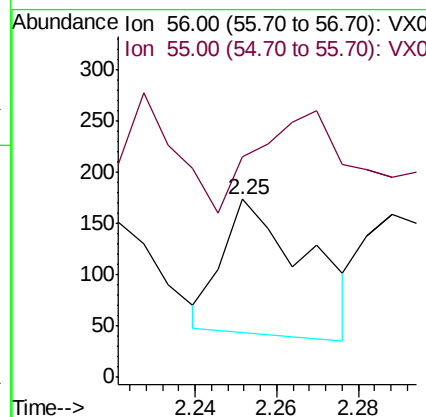
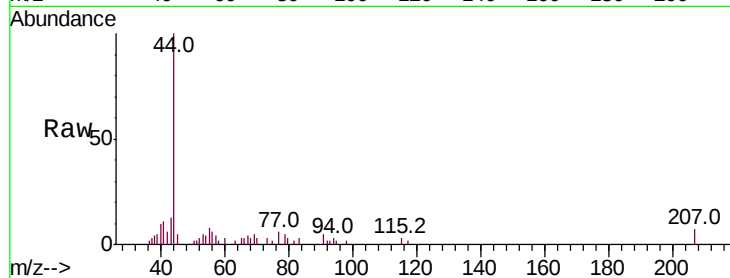
PB-2020-WS-000-02DL

Tot Ion: 56 Resp: 188

Ion Ratio Lower Upper

56 100

55 101.1 55.4 83.2#



#16

Acetone

Concen: 0.627 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018993.D

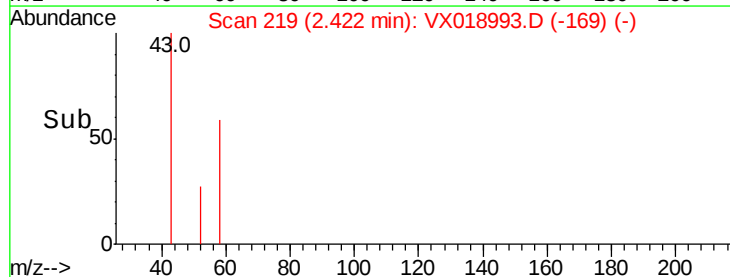
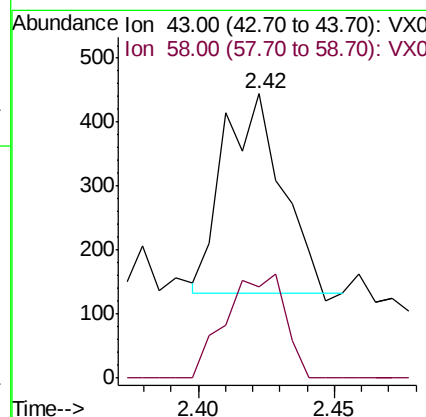
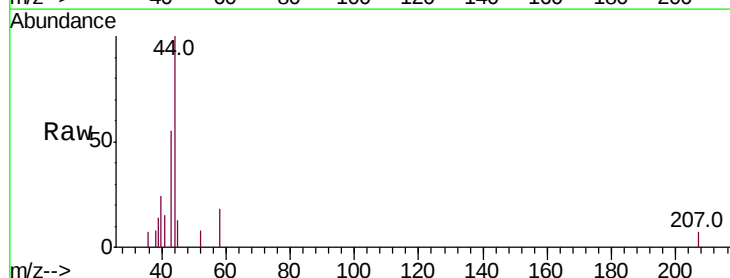
Acq: 20 Oct 2020 23:01

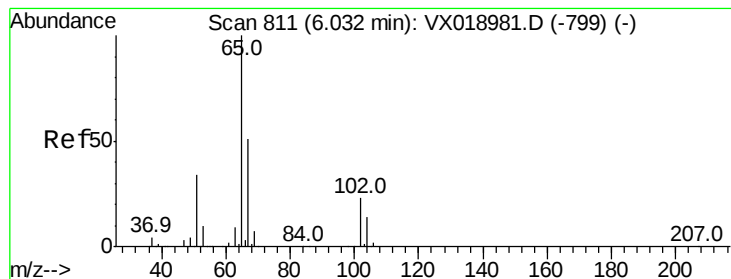
Tgt Ion: 43 Resp: 466

Ion Ratio Lower Upper

43 100

58 45.0 27.9 41.9#





#33

1,2-Dichloroethane-d4

Concen: 52.756 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018993.D

Acq: 20 Oct 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

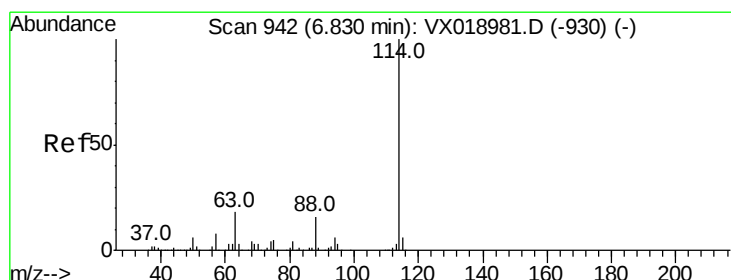
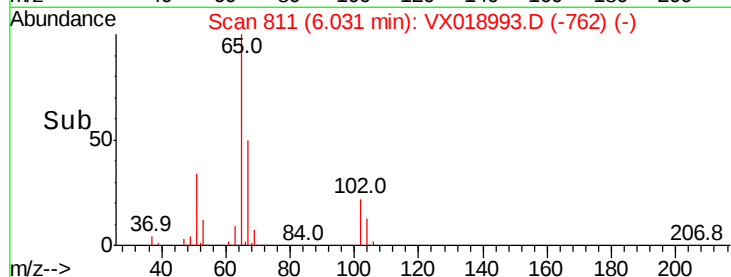
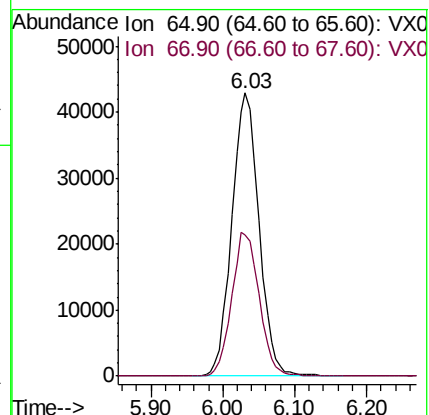
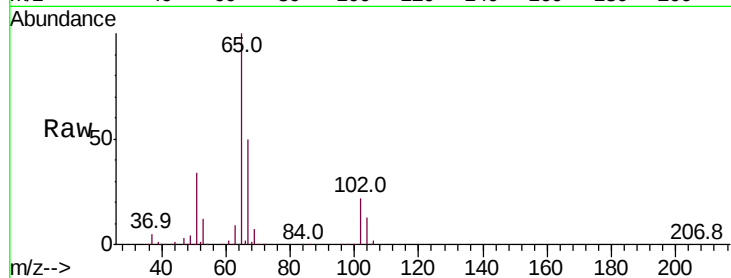
PB-2020-WS-000-02DL

Tot Ion: 65 Resp: 112553

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX018993.D

Acq: 20 Oct 2020 23:01

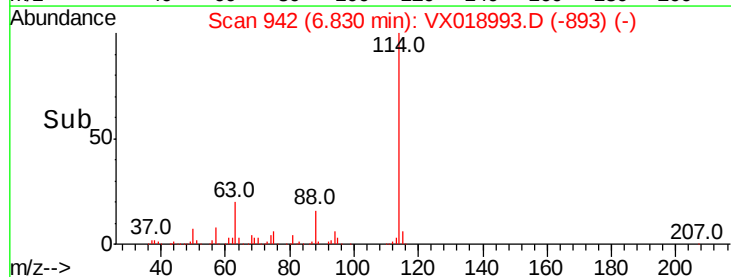
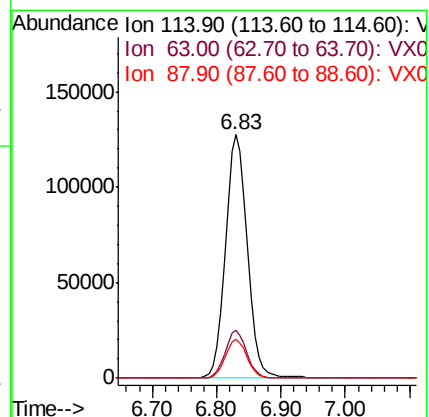
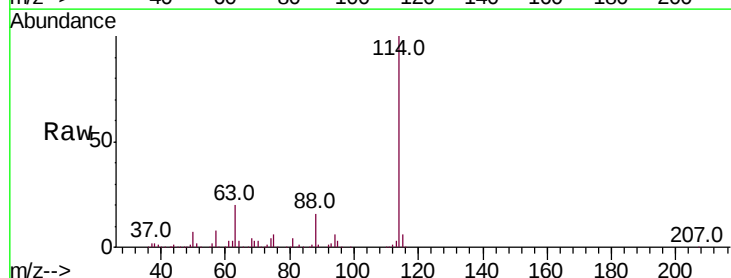
Tgt Ion: 114 Resp: 305860

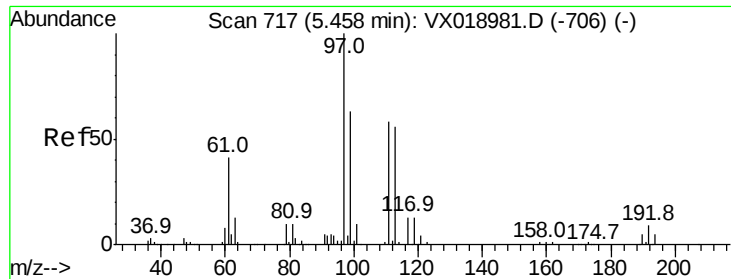
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.8

88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.720 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX018993.D

Acq: 20 Oct 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WS-000-02DL

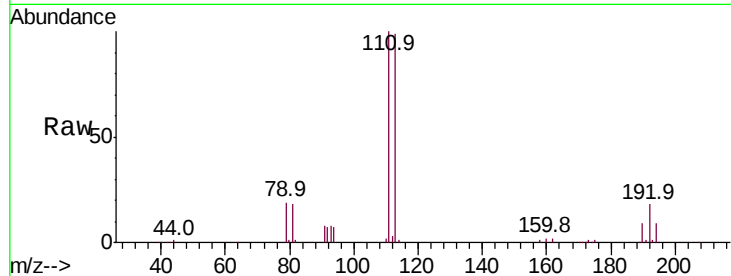
Tot Ion:113 Resp: 94179

Ion Ratio Lower Upper

113 100

111 100.5 84.1 126.1

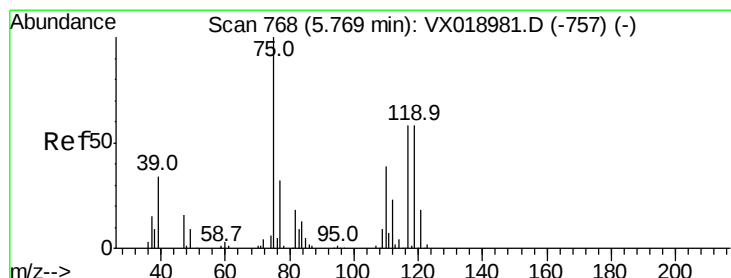
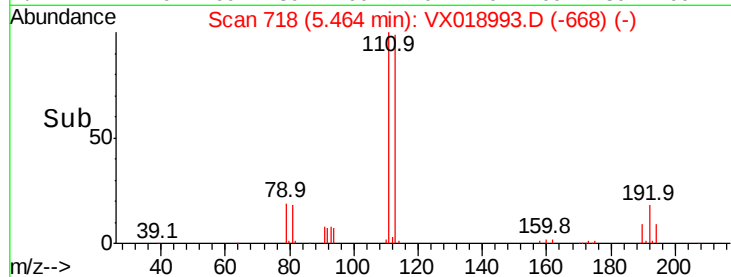
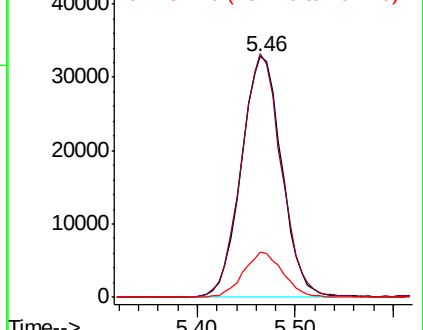
192 18.3 14.7 22.1



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: 4.753 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018993.D

Acq: 20 Oct 2020 23:01

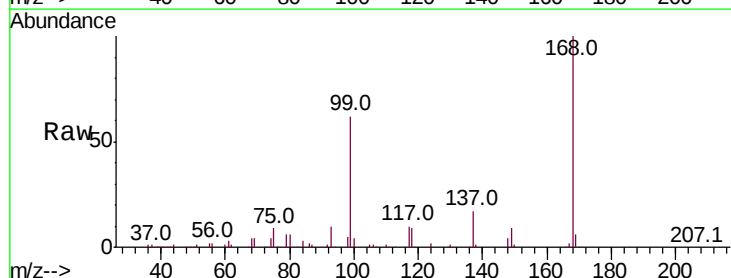
Tgt Ion: 75 Resp: 13586

Ion Ratio Lower Upper

75 100

110 9.2 18.6 55.6#

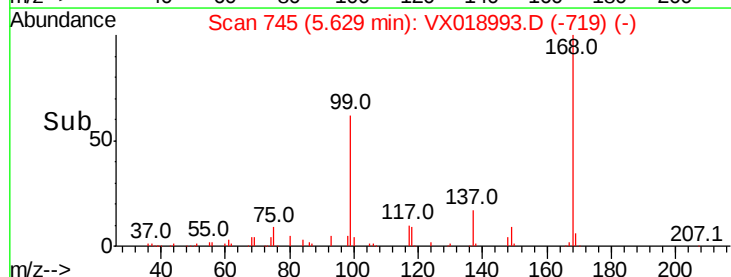
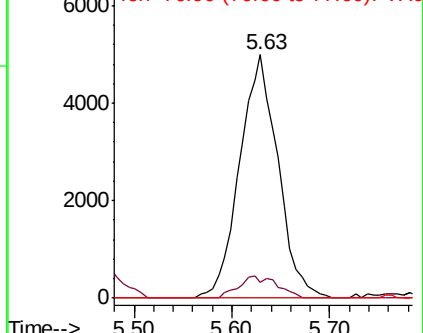
77 0.0 25.0 37.4#

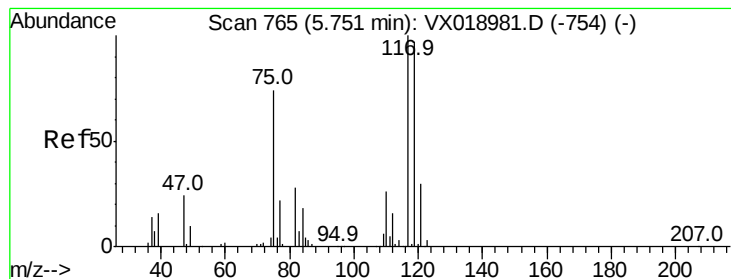


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.761 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018993.D

Acq: 20 Oct 2020 23:01

Instrument :

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PB-2020-WS-000-02DL

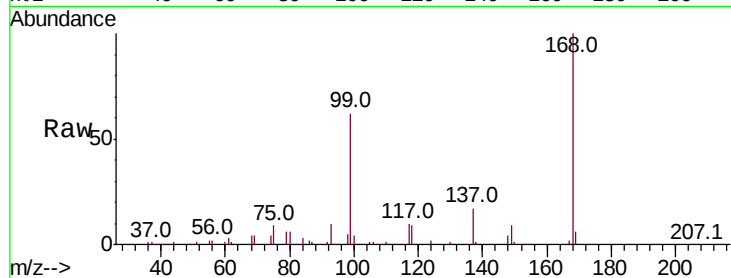
Tot Ion:117 Resp: 16572

Ion Ratio Lower Upper

117 100

119 3.7 77.6 116.4#

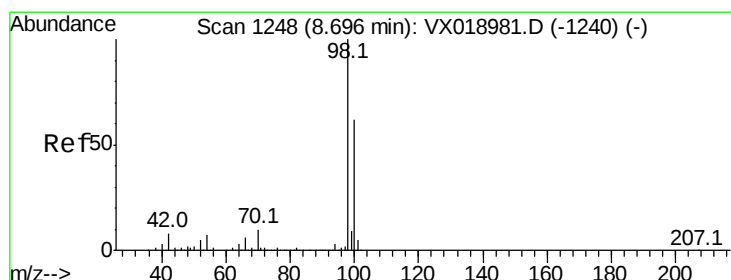
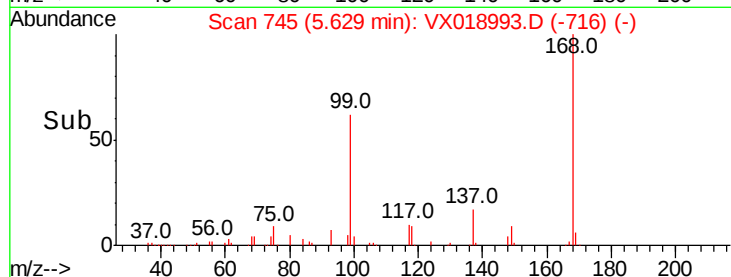
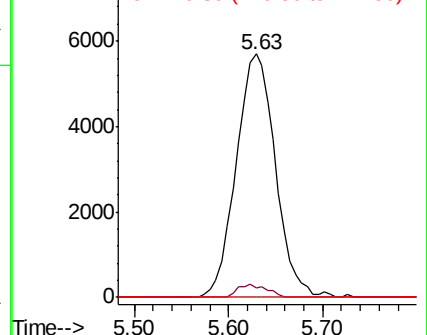
121 0.0 23.9 35.9#



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



#50

Toluene-d8

Concen: 51.236 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018993.D

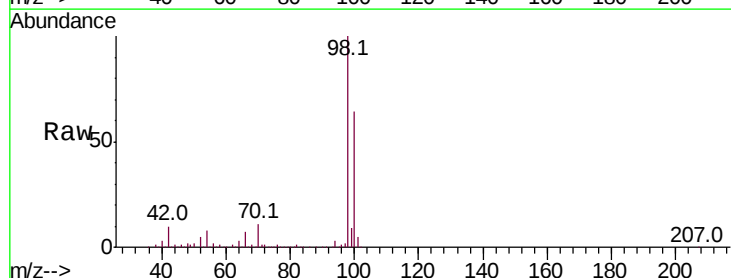
Acq: 20 Oct 2020 23:01

Tgt Ion: 98 Resp: 394668

Ion Ratio Lower Upper

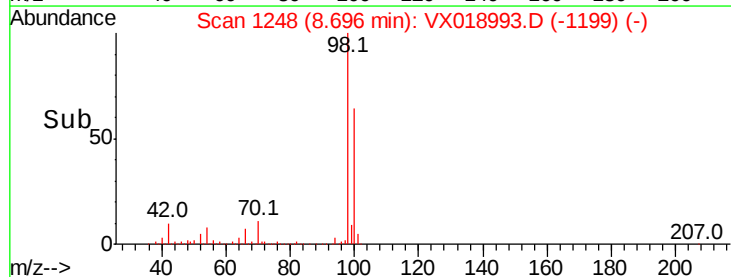
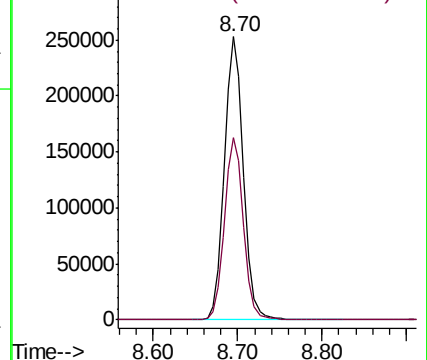
98 100

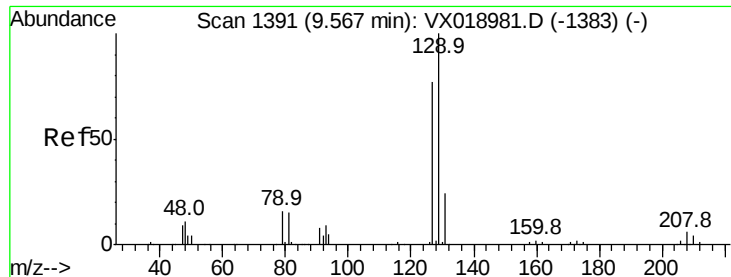
100 64.2 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

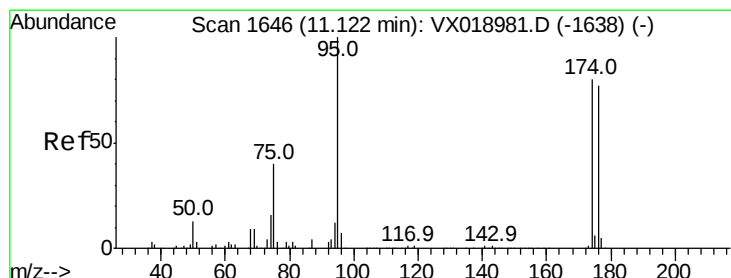
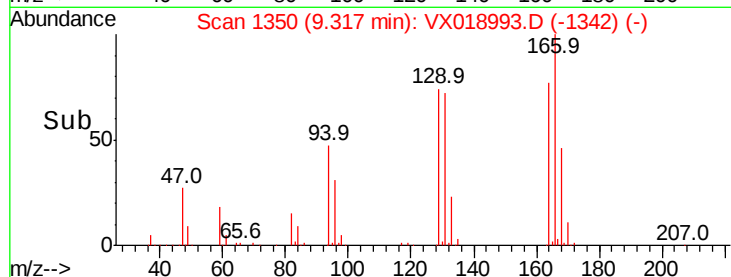
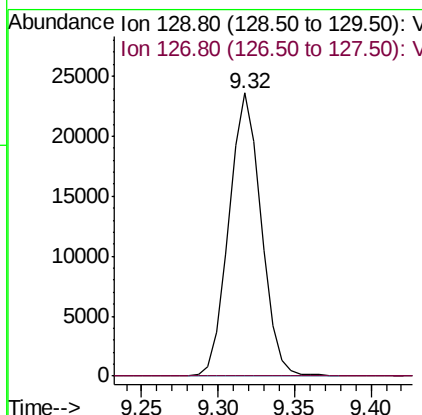
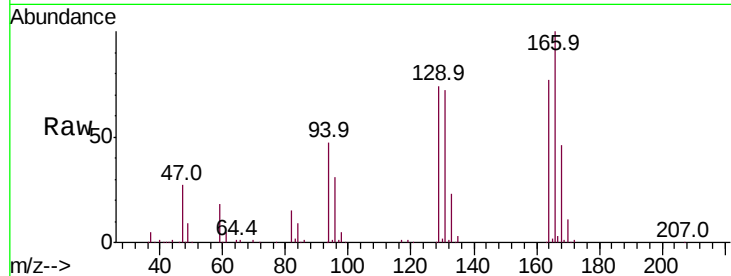




#60
Dibromochloromethane
Concen: 13.803 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.25 min
Lab File: VX018993.D
Acq: 20 Oct 2020 23:01

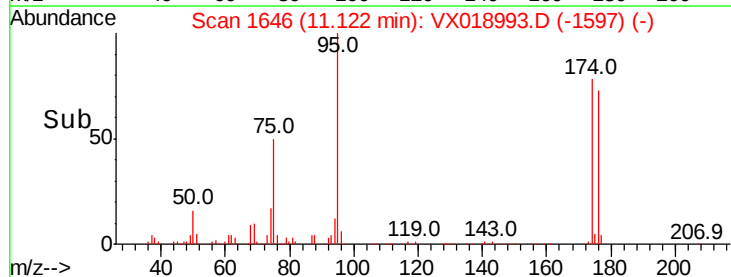
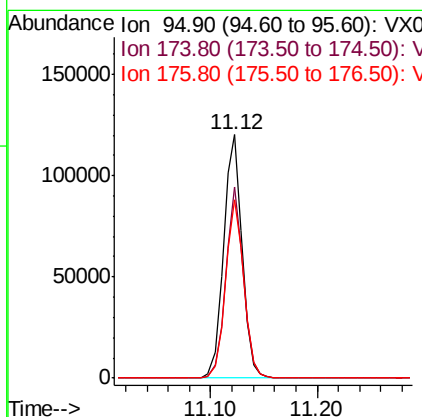
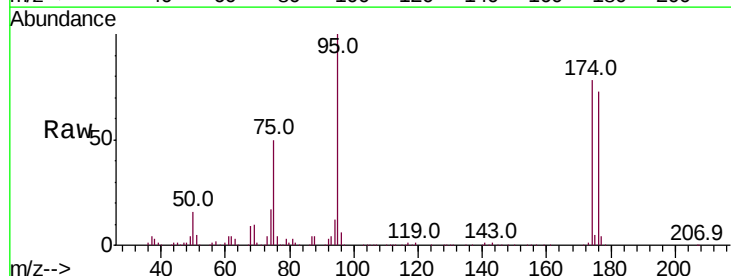
Instrument :
MSVOA_X
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PB-2020-WS-000-02DL

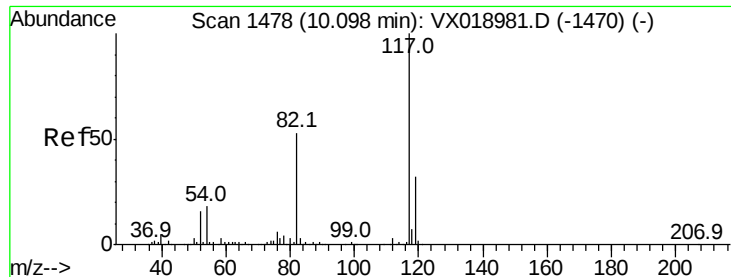
Tot Ion:129 Resp: 34488
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.478 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018993.D
Acq: 20 Oct 2020 23:01

Tgt Ion: 95 Resp: 145856
Ion Ratio Lower Upper
95 100
174 74.3 0.0 159.8
176 72.3 0.0 152.8

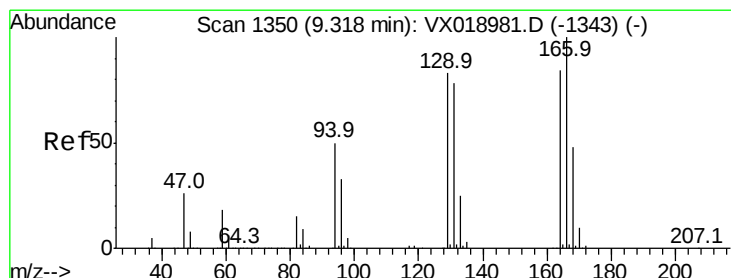
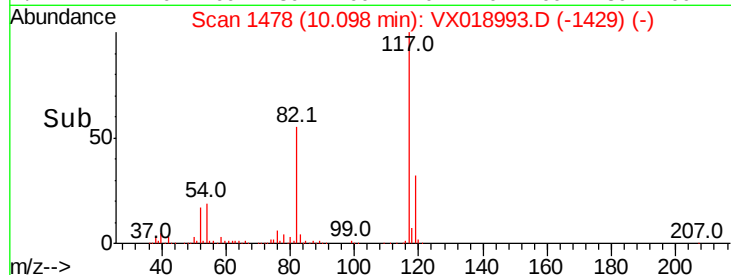
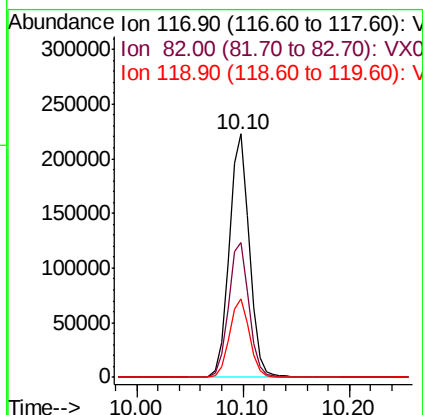
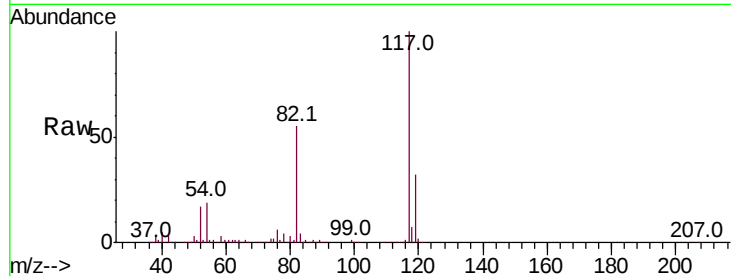




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018993.D
Acq: 20 Oct 2020 23:01

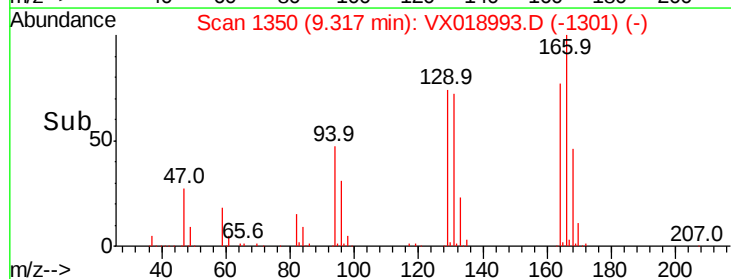
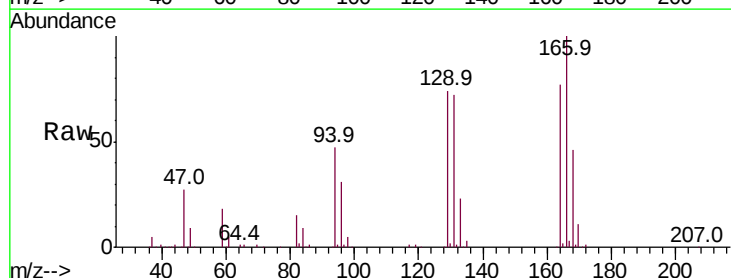
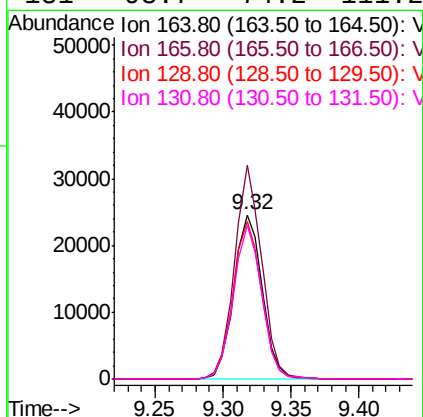
Instrument :
MSVOA_X
ClientSampleId :
PB-2020-WS-000-02DL

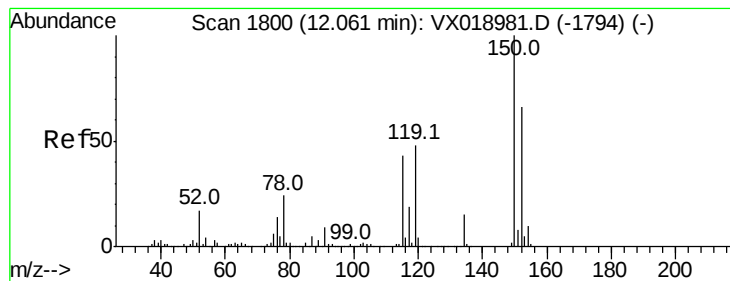
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	42.2	63.4
119	32.4	25.8	38.8



#64
Tetrachloroethene
Concen: 17.237 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX018993.D
Acq: 20 Oct 2020 23:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	95.2	142.8
129	95.8	79.4	119.0
131	93.7	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: VX018993.D

Acq: 20 Oct 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WS-000-02DL

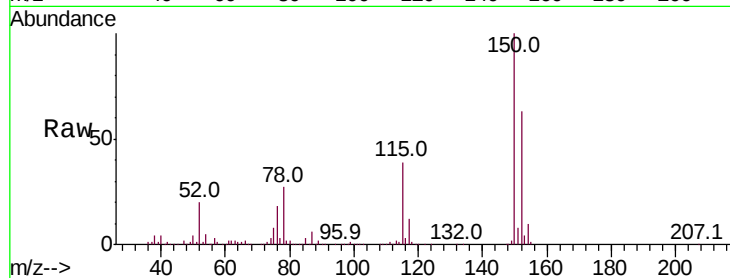
Tot Ion:152 Resp: 146127

Ion Ratio Lower Upper

152 100

115 62.6 41.2 123.6

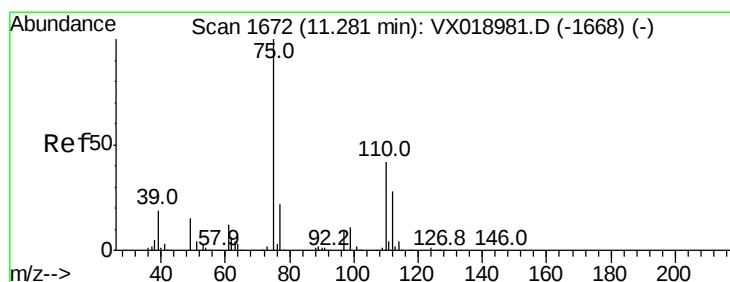
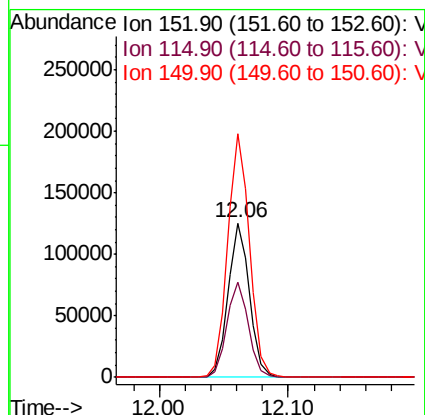
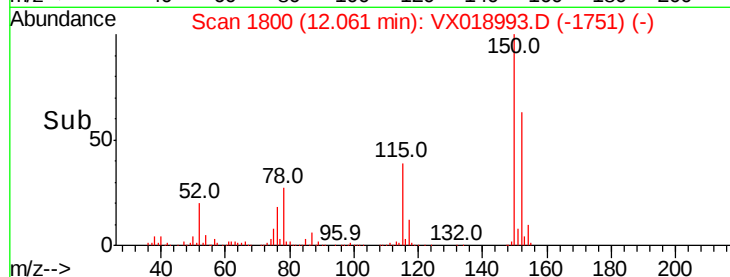
150 161.5 0.0 345.6



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: 24.767 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018993.D

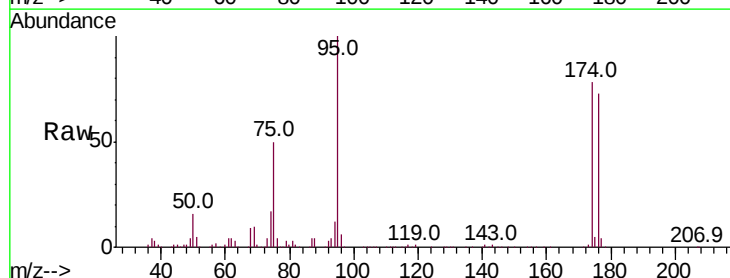
Acq: 20 Oct 2020 23:01

Tgt Ion: 75 Resp: 74383

Ion Ratio Lower Upper

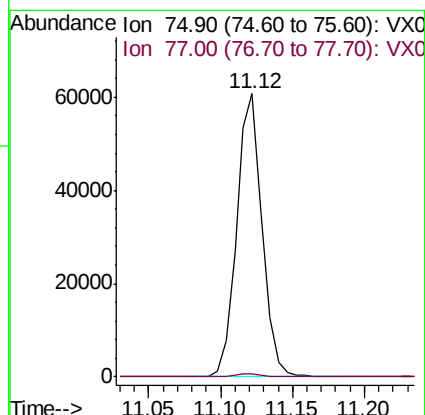
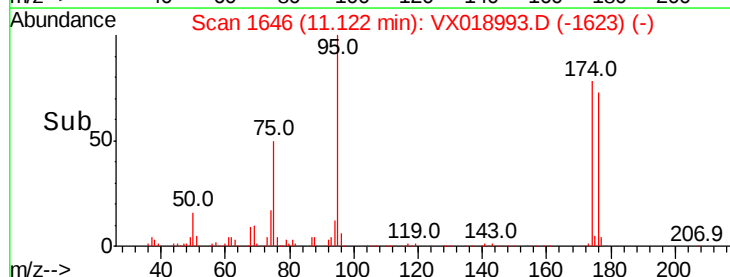
75 100

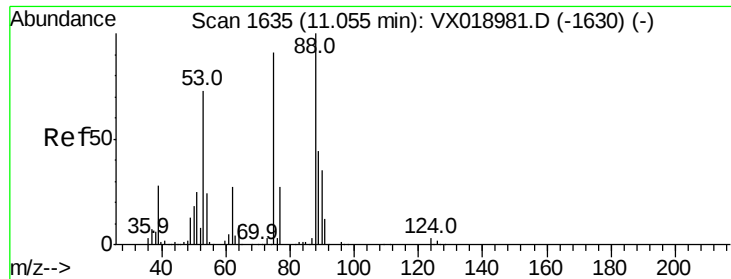
77 1.1 20.6 61.9#



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: 65.329 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018993.D

Acq: 20 Oct 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WS-000-02DL

Tot Ion: 75 Resp: 74383

Ion Ratio Lower Upper

75 100

53 0.0 63.9 95.9#

89 0.0 39.9 59.9#

