

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019323.D
 Acq On : 05 Nov 2020 18:40
 Operator : JC/MD
 Sample : L4634-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

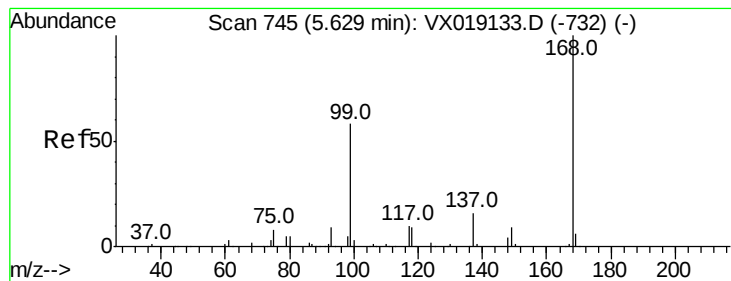
Quant Time: Nov 06 01:10:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	257999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	464879	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206984	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	188929	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
35) Dibromofluoromethane	5.46	113	147015	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	8.70	98	564779	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.12	95	211911	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	545	0.829	ug/l #	72
13) Acrolein	2.28	56	80	5.914	ug/l #	16
16) Acetone	2.42	43	1807	1.574	ug/l	99
17) Carbon Disulfide	2.56	76	327	0.805	ug/l #	75
20) Methylene Chloride	2.84	84	730	0.253	ug/l	85
27) cis-1,2-Dichloroethene	4.57	96	1029	0.320	ug/l	83
29) Tetrahydrofuran	5.10	42	241	0.211	ug/l #	26
31) Cyclohexane	5.63	56	6025	1.433	ug/l #	17
36) 1,1-Dichloropropene	5.63	75	21444	4.995	ug/l #	49
38) Carbon Tetrachloride	5.63	117	27684	6.327	ug/l #	17
44) Trichloroethene	7.19	130	1953	0.560	ug/l	91
55) 1,1,2-Trichloroethane	9.32	97	1147	0.370	ug/l #	1
60) Dibromochloromethane	9.32	129	125408	37.308	ug/l #	11
64) Tetrachloroethene	9.32	164	129895	39.638	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	110223	25.791	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	110223	67.906	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

ClientSampled :

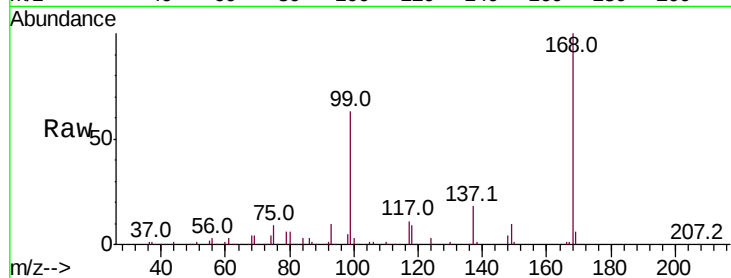
MW-2DL

Tot Ion:168 Resp: 257999

Ion Ratio Lower Upper

168 100

99 62.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

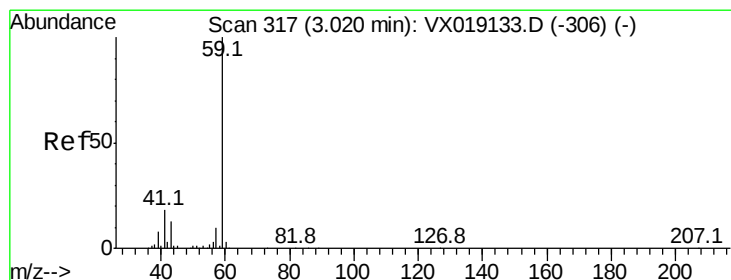
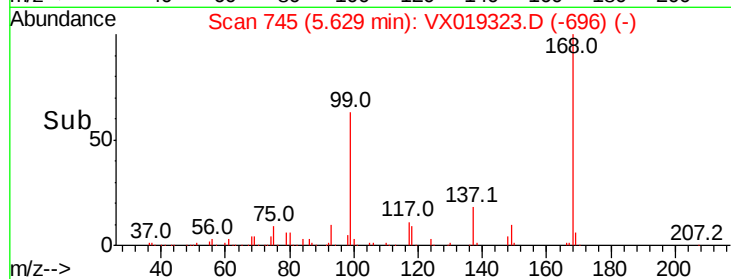
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.829 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX019323.D

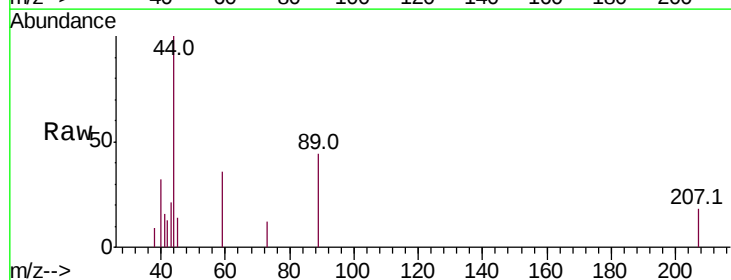
Acq: 05 Nov 2020 18:40

Tgt Ion: 59 Resp: 545

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

250

200

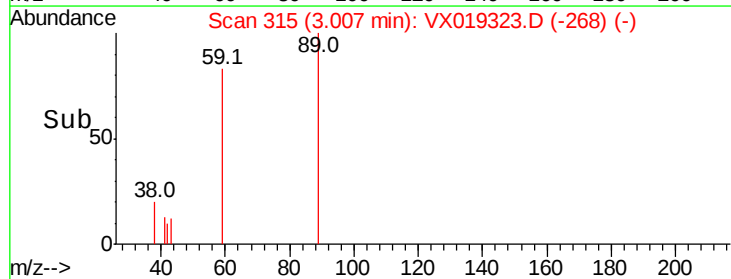
150

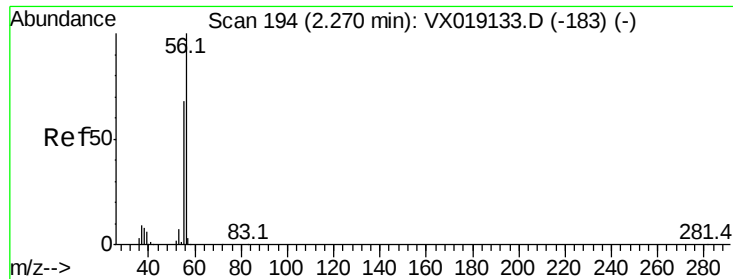
100

50

0

Time-->





#13

Acrolein

Concen: 5.914 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

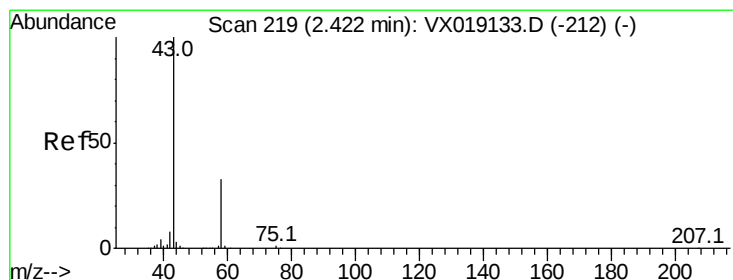
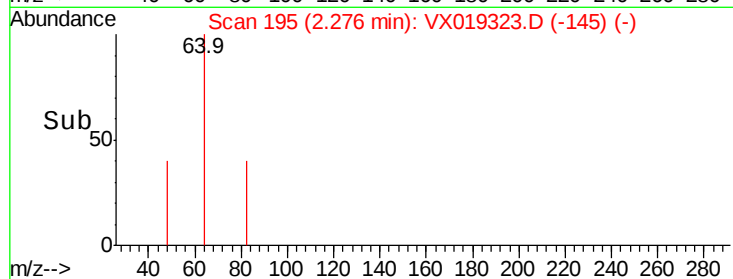
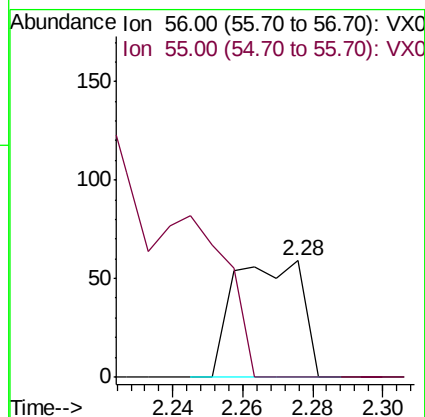
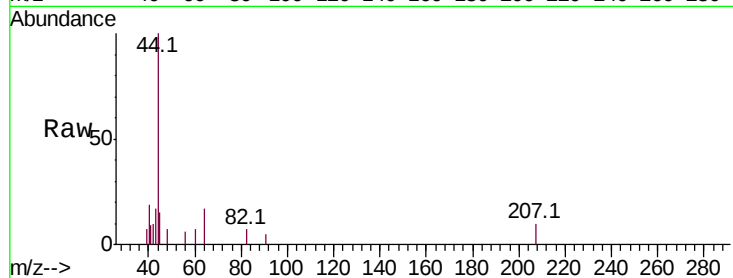
MW-2DL

Tot Ion: 56 Resp: 80

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



#16

Acetone

Concen: 1.574 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019323.D

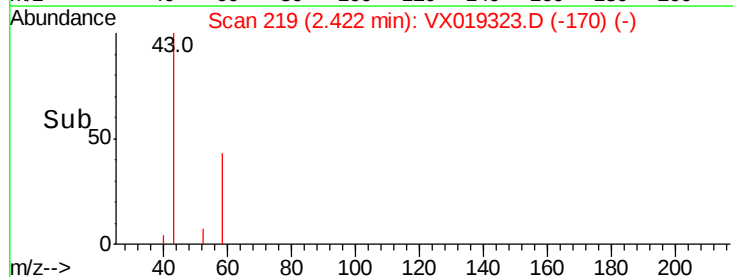
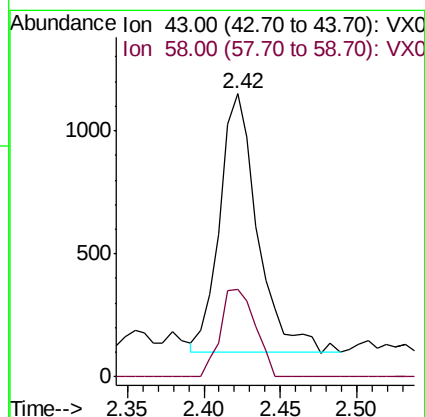
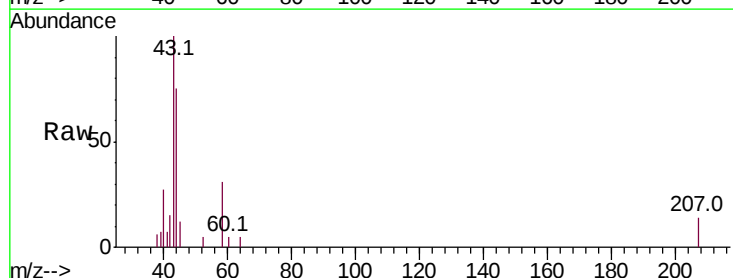
Acq: 05 Nov 2020 18:40

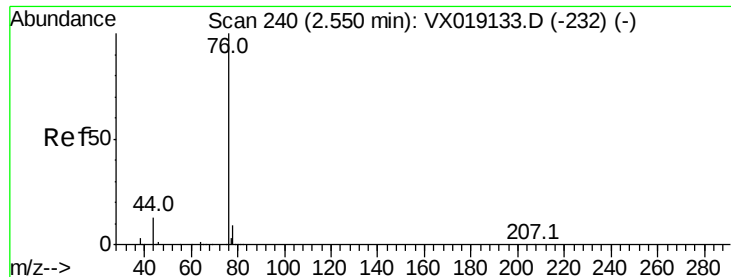
Tgt Ion: 43 Resp: 1807

Ion Ratio Lower Upper

43 100

58 33.7 26.3 39.5





#17

Carbon Disulfide

Concen: 0.805 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

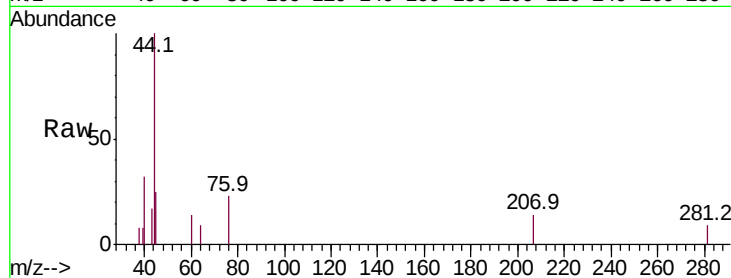
MW-2DL

Tot Ion: 76 Resp: 327

Ion Ratio Lower Upper

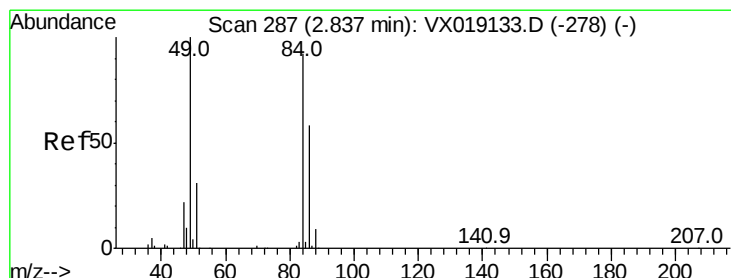
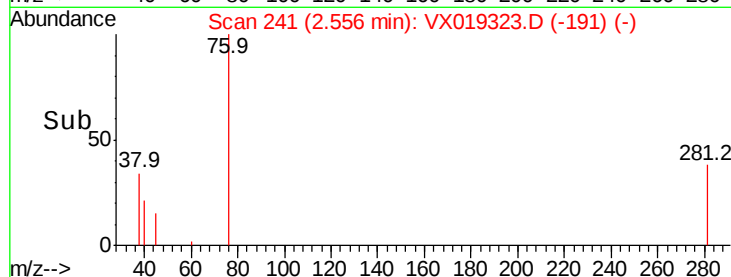
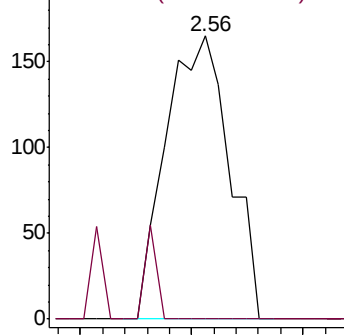
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.253 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Tgt Ion: 84 Resp: 730

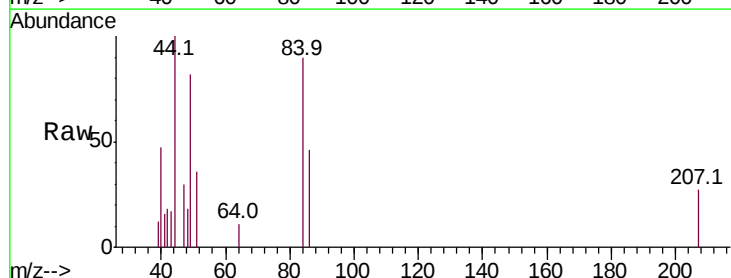
Ion Ratio Lower Upper

84 100

49 91.6 86.8 130.2

51 40.0 27.3 40.9

86 50.9 50.6 76.0

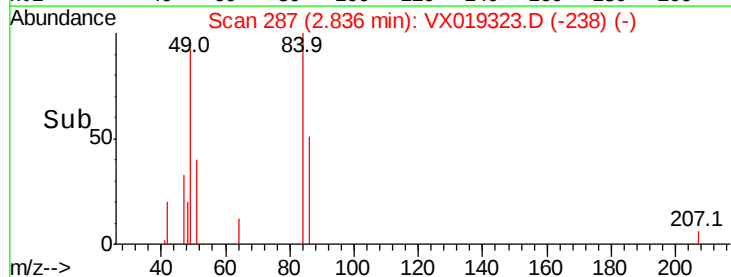
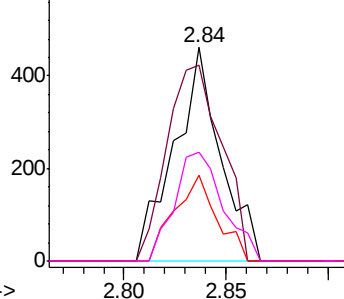


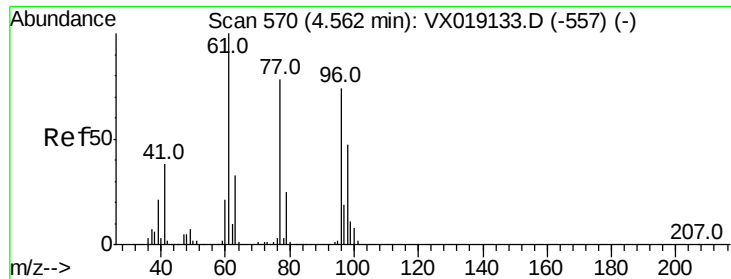
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



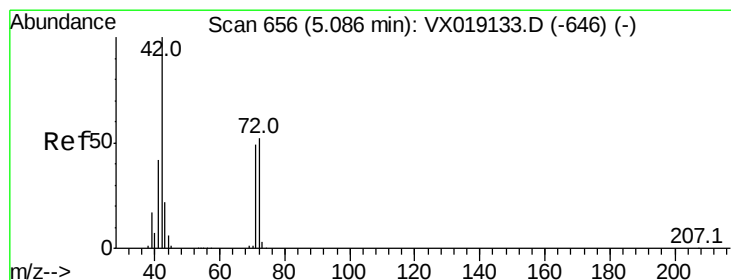
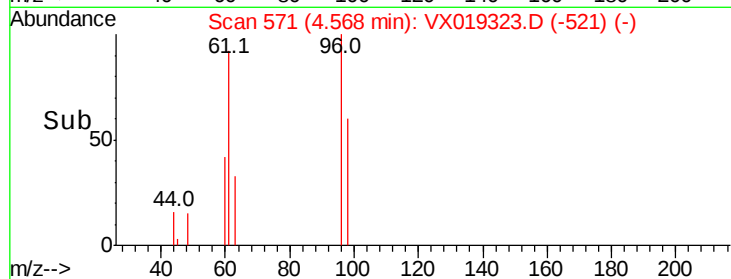
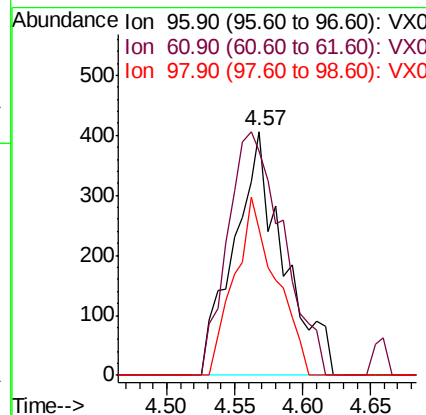
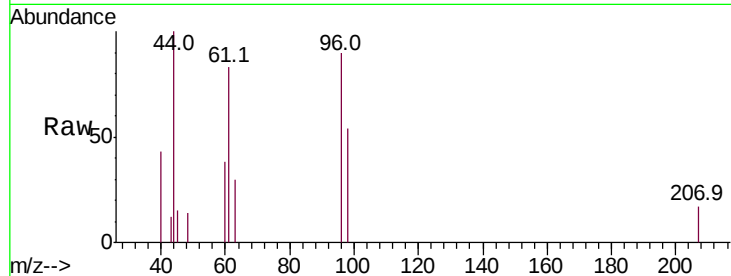


#27

cis-1,2-Dichloroethene
 Concen: 0.320 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX019323.D
 Acq: 05 Nov 2020 18:40

Instrument :
 MSVOA_X
 ClientSampled :
 MW-2DL

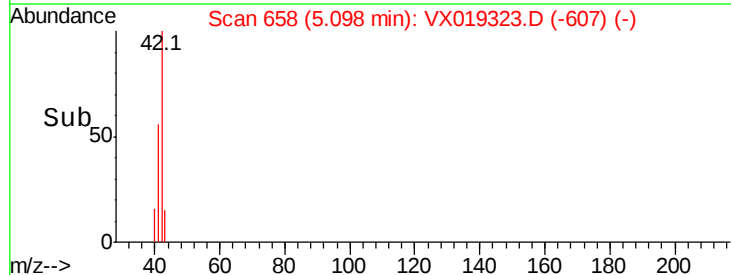
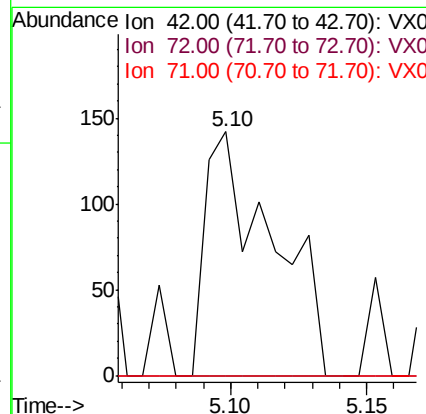
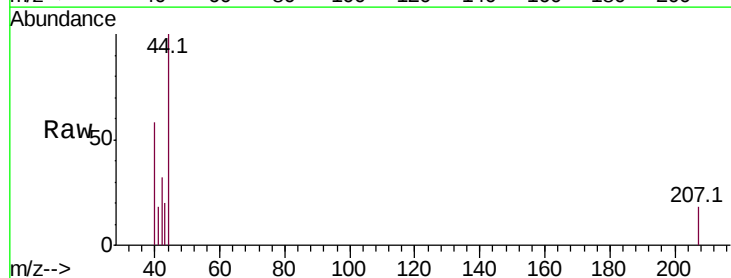
Tot Ion	Ratio	Lower	Upper
96	100		
61	112.1	0.0	278.8
98	61.6	0.0	130.2

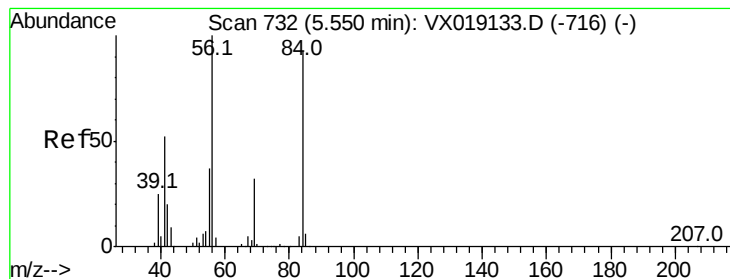


#29

Tetrahydrofuran
 Concen: 0.211 ug/l
 RT: 5.10 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VX019323.D
 Acq: 05 Nov 2020 18:40

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	42.6	63.8#
71	0.0	39.7	59.5#





#31

Cyclohexane

Concen: 1.433 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

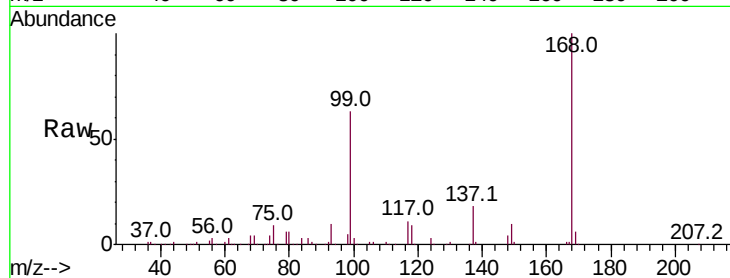
Tot Ion: 56 Resp: 6025

Ion Ratio Lower Upper

56 100

69 146.6 25.9 38.9#

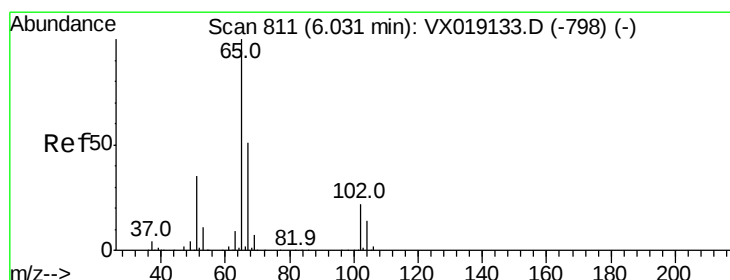
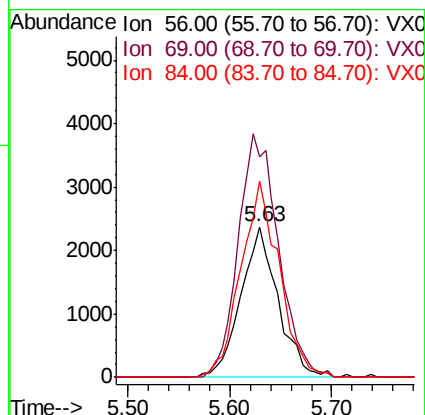
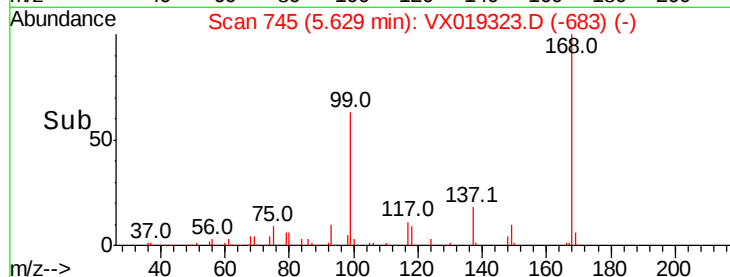
84 129.8 73.4 110.2#



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: 56.783 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019323.D

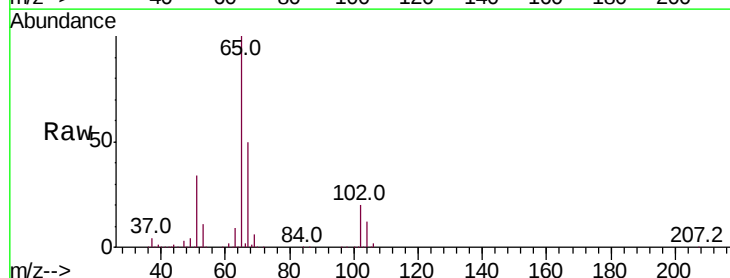
Acq: 05 Nov 2020 18:40

Tgt Ion: 65 Resp: 188929

Ion Ratio Lower Upper

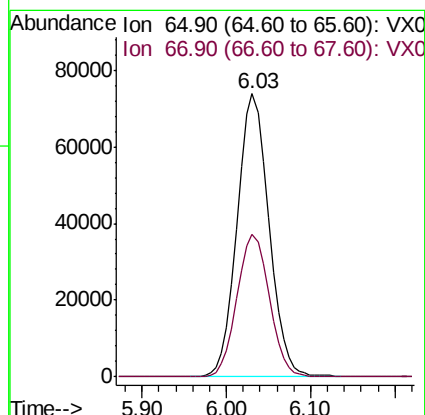
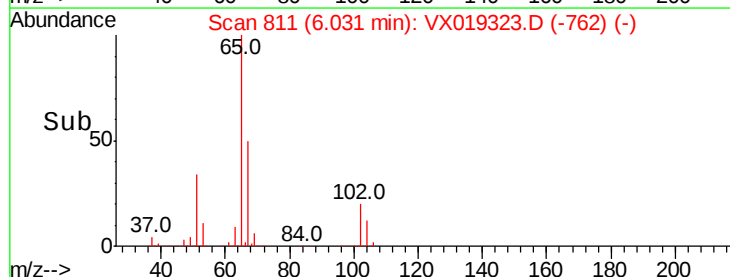
65 100

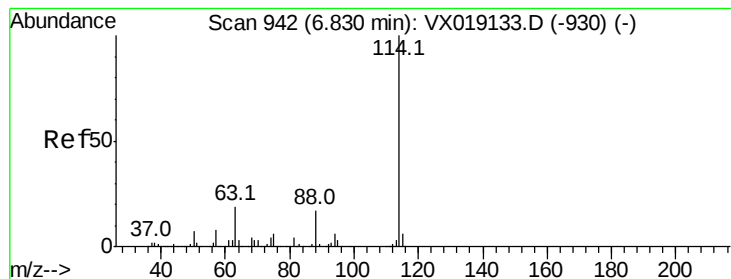
67 51.2 0.0 103.0



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: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

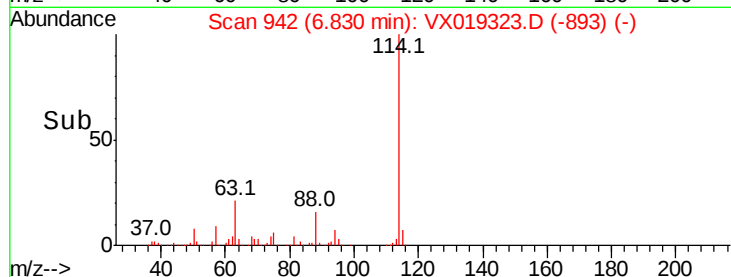
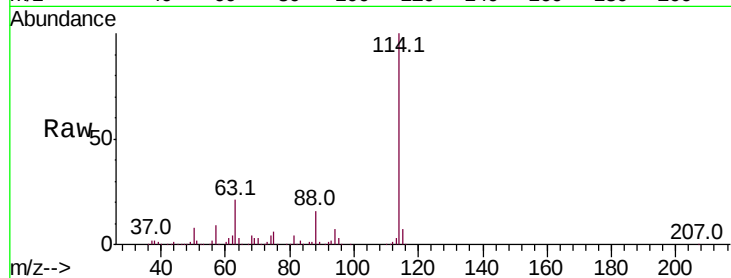
Tot Ion:114 Resp: 464879

Ion Ratio Lower Upper

114 100

63 21.3 0.0 38.8

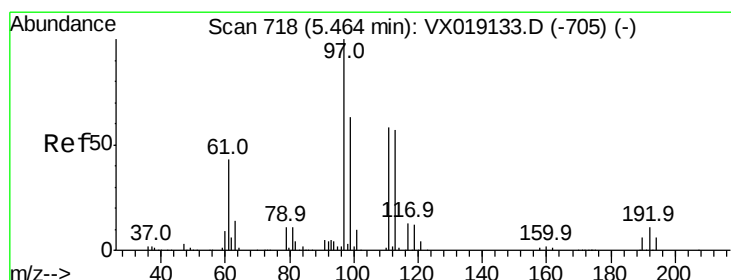
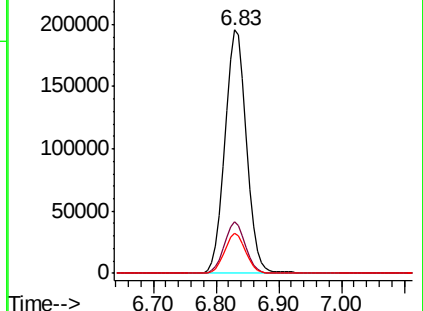
88 16.4 0.0 34.2



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: 50.346 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

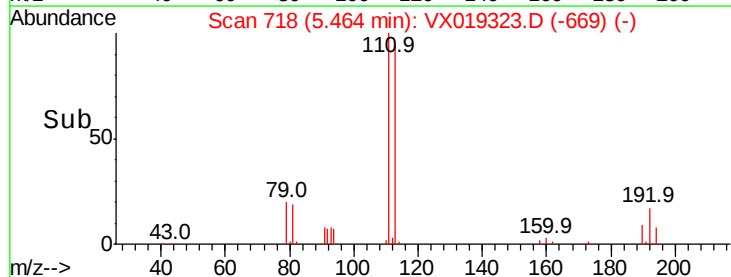
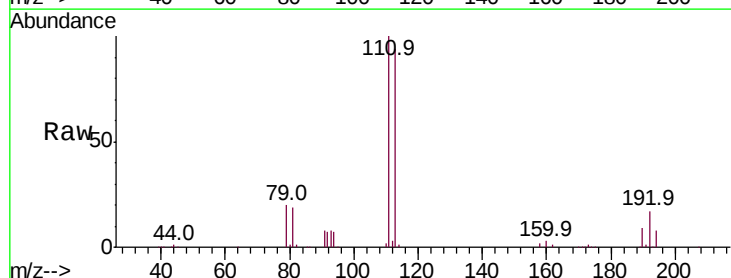
Tgt Ion:113 Resp: 147015

Ion Ratio Lower Upper

113 100

111 104.3 82.3 123.5

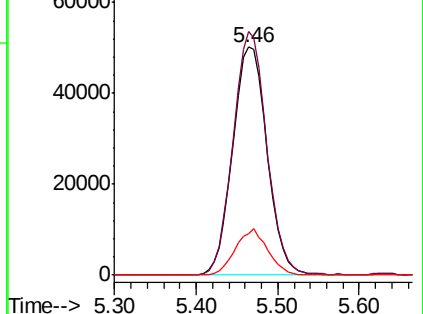
192 19.0 16.2 24.2

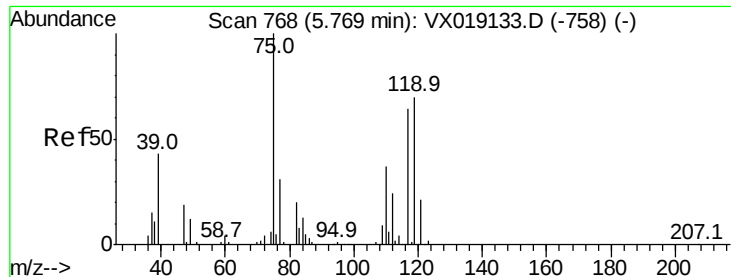


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.995 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

ClientSampled :

MW-2DL

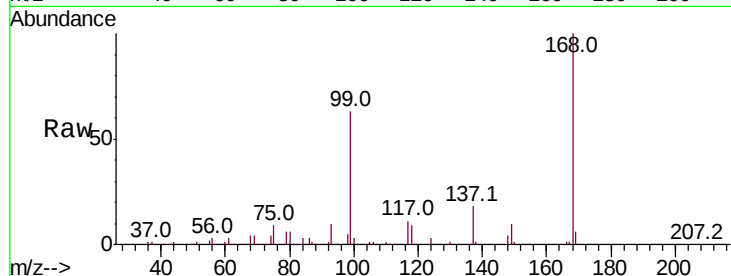
Tot Ion: 75 Resp: 21444

Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.9#

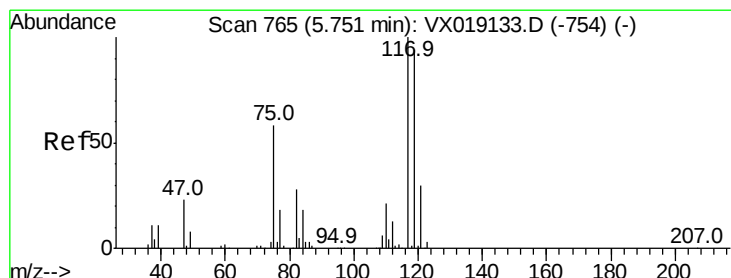
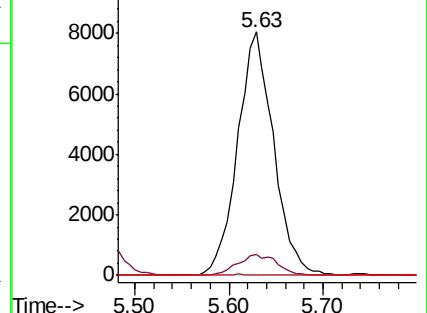
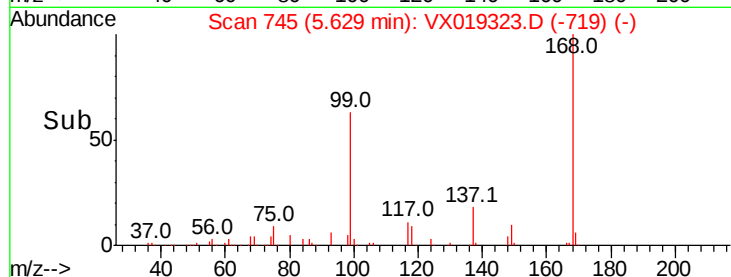
77 0.1 24.9 37.3#



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: 6.327 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

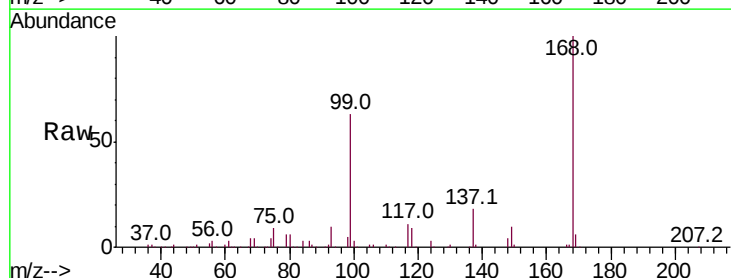
Tgt Ion:117 Resp: 27684

Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

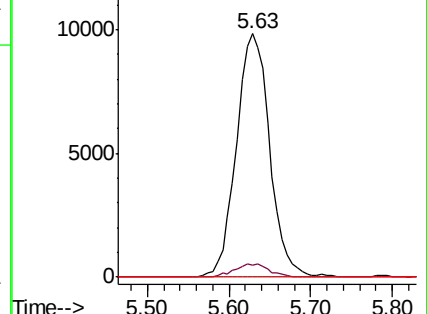
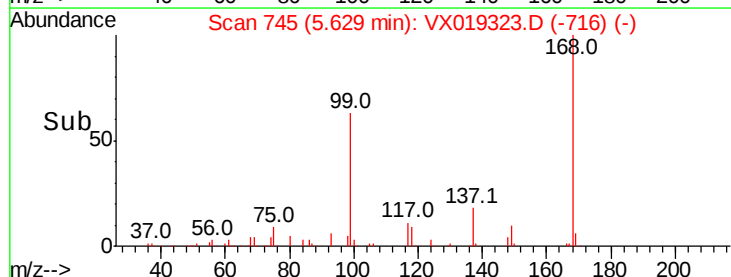
121 0.0 23.9 35.9#

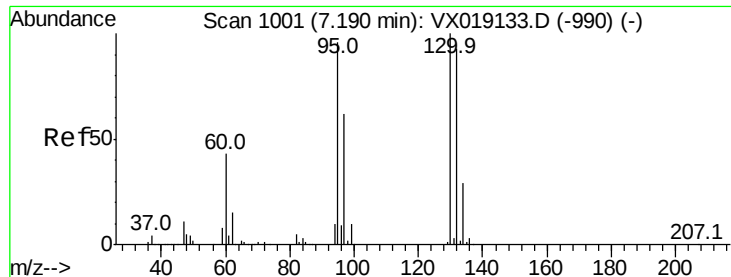


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.560 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

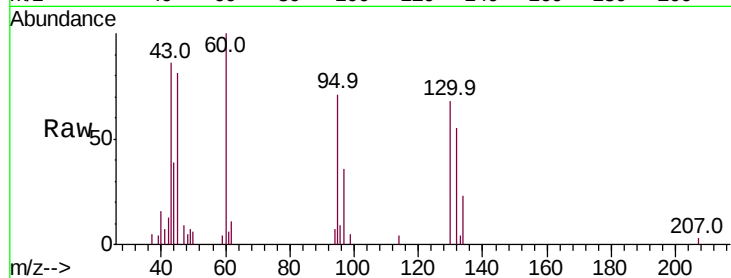
MW-2DL

Tot Ion:130 Resp: 1953

Ion Ratio Lower Upper

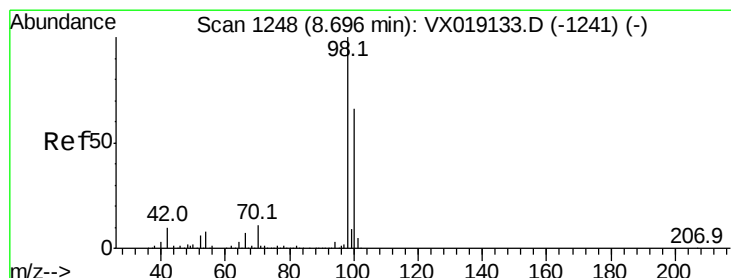
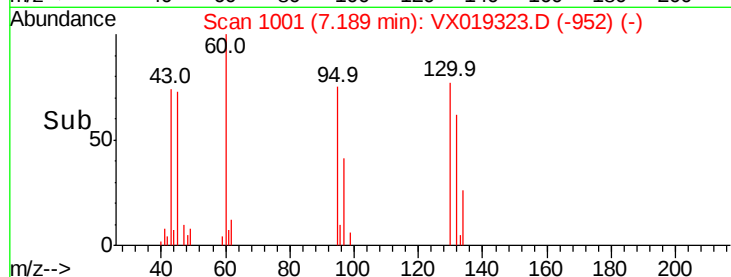
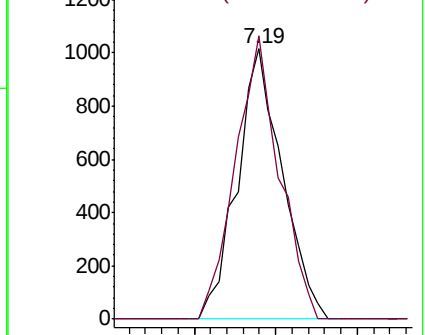
130 100

95 104.6 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.308 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019323.D

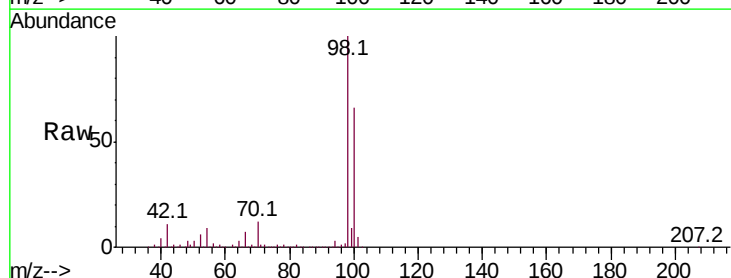
Acq: 05 Nov 2020 18:40

Tgt Ion: 98 Resp: 564779

Ion Ratio Lower Upper

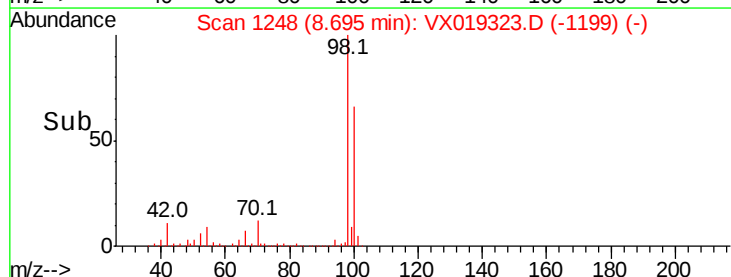
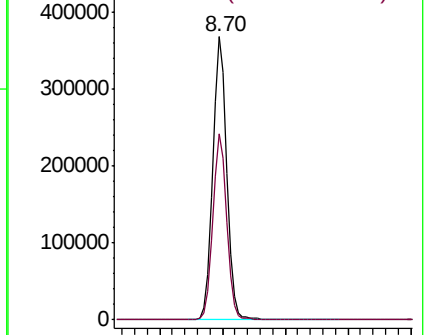
98 100

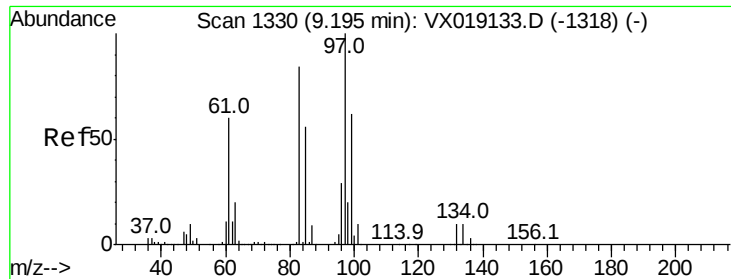
100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

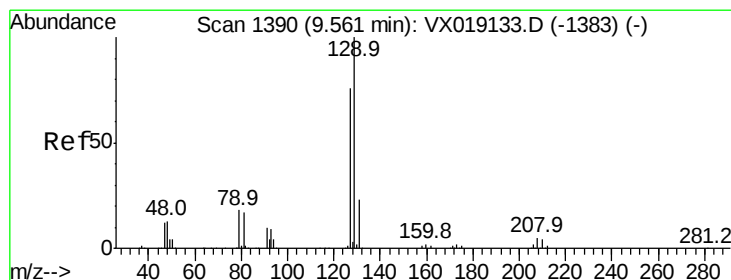
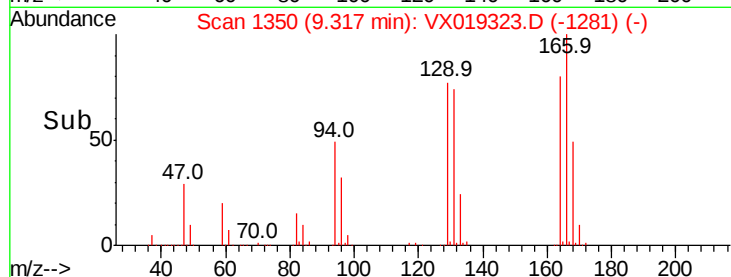
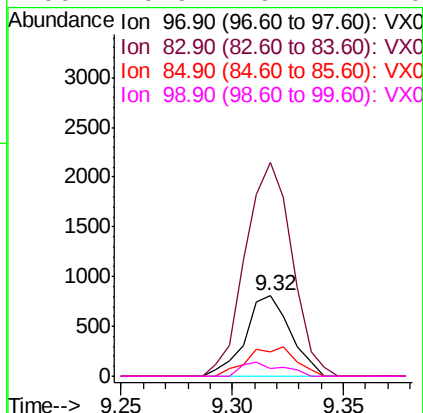
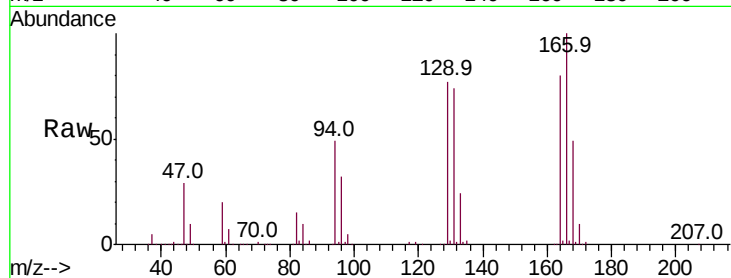




#55
 1,1,2-Trichloroethane
 Concen: 0.370 ug/l
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.12 min
 Lab File: VX019323.D
 Acq: 05 Nov 2020 18:40

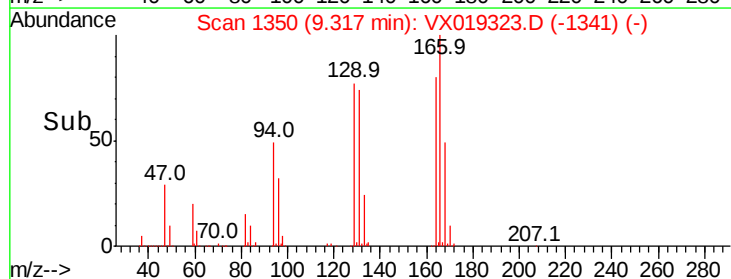
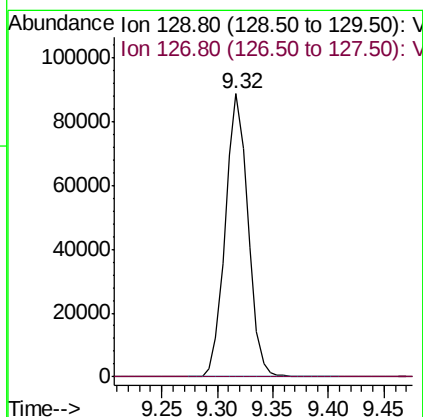
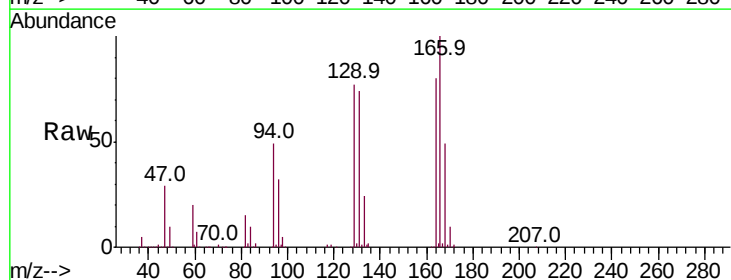
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

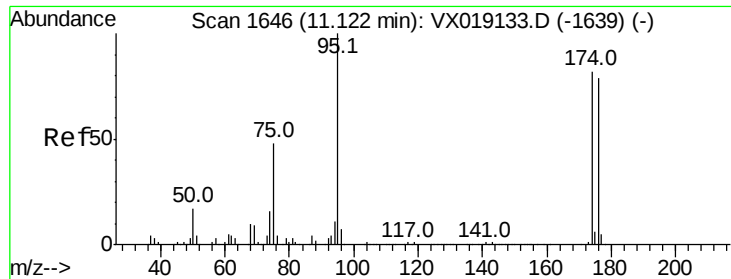
Tot Ion: 97 Resp: 1147
 Ion Ratio Lower Upper
 97 100
 83 265.1 67.2 100.8#
 85 30.4 44.6 67.0#
 99 9.9 49.4 74.0#



#60
 Dibromochloromethane
 Concen: 37.308 ug/l
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.24 min
 Lab File: VX019323.D
 Acq: 05 Nov 2020 18:40

Tgt Ion: 129 Resp: 125408
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.8#

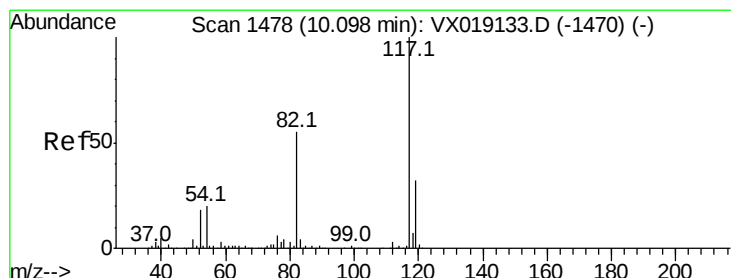
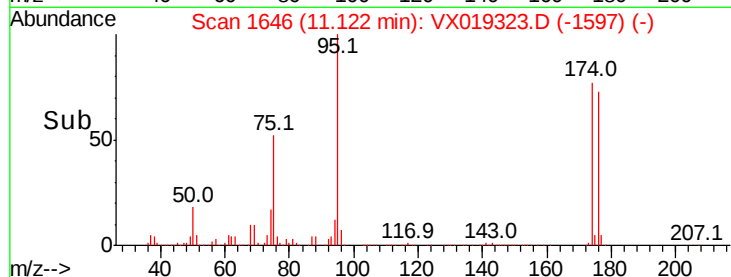
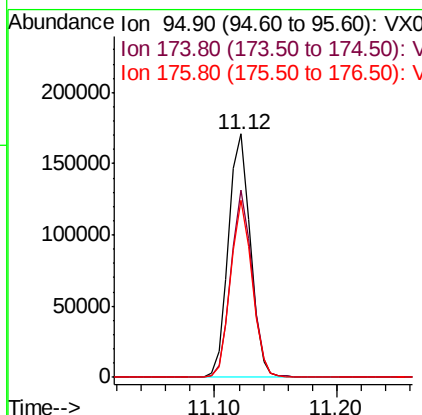
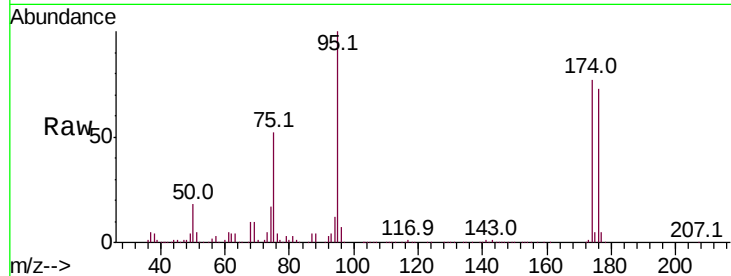




#62
4-Bromofluorobenzene
Concen: 50.834 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019323.D
Acq: 05 Nov 2020 18:40

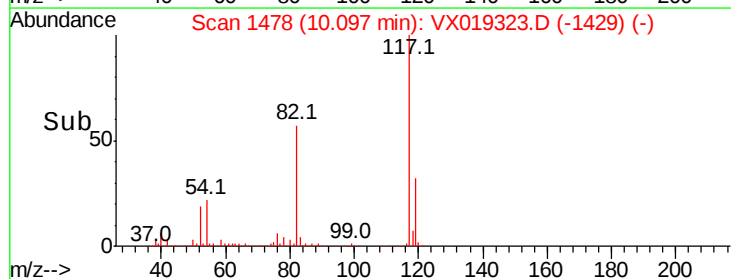
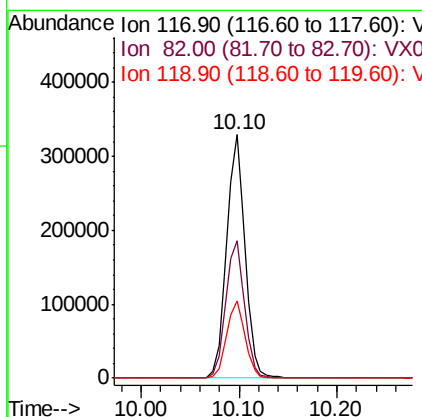
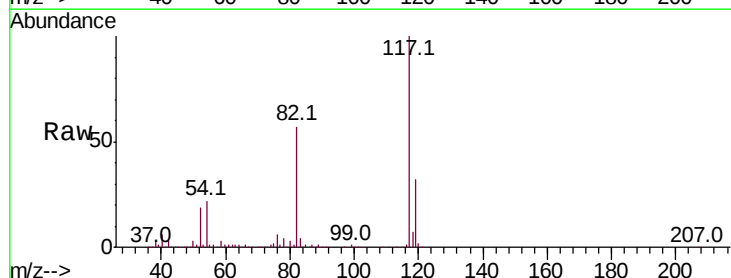
Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

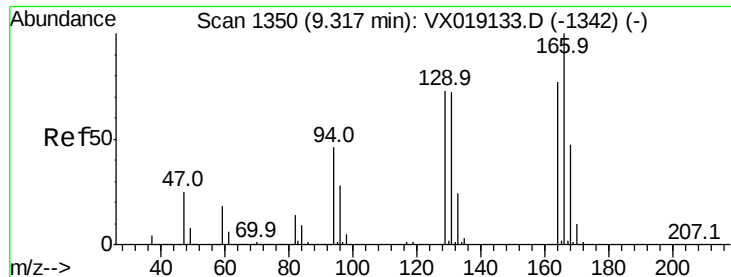
Tot Ion: 95 Resp: 211911
Ion Ratio Lower Upper
95 100
174 74.6 0.0 156.0
176 71.4 0.0 149.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019323.D
Acq: 05 Nov 2020 18:40

Tgt Ion: 117 Resp: 430118
Ion Ratio Lower Upper
117 100
82 56.5 43.6 65.4
119 31.7 25.5 38.3





#64

Tetrachloroethene

Concen: 39.638 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

Tot Ion:164 Resp: 129895

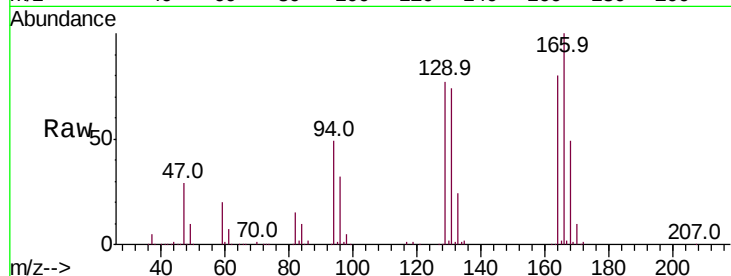
Ion Ratio Lower Upper

164 100

166 124.9 104.1 156.1

129 96.5 76.2 114.4

131 93.0 74.6 112.0

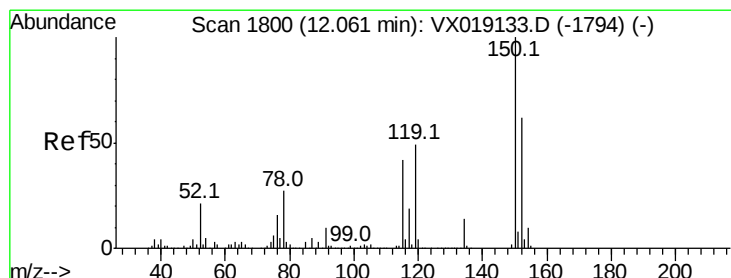
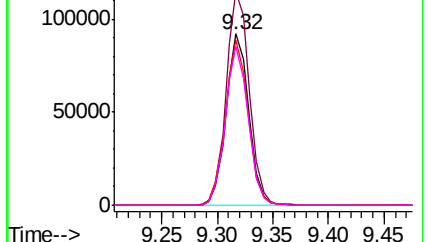
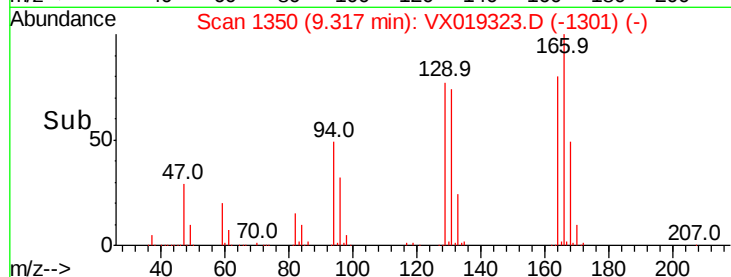


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX019323.D

Acq: 05 Nov 2020 18:40

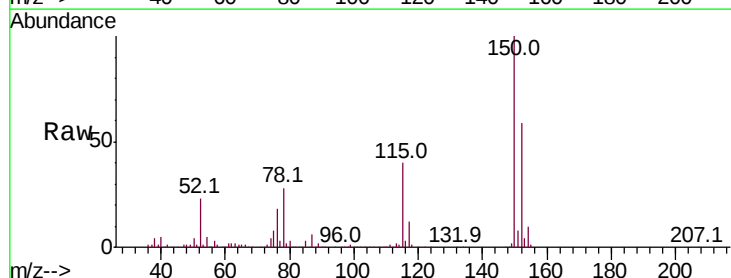
Tgt Ion:152 Resp: 206984

Ion Ratio Lower Upper

152 100

115 62.2 41.9 125.7

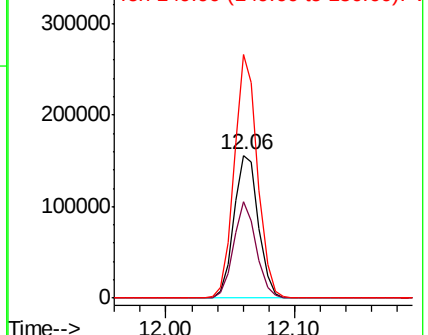
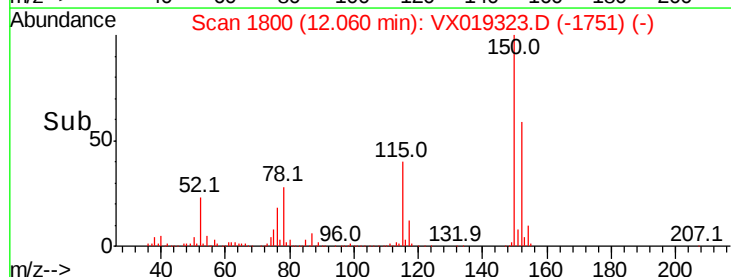
150 161.1 0.0 347.8

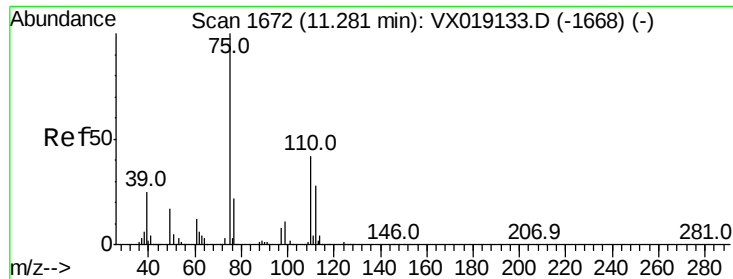


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.791 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

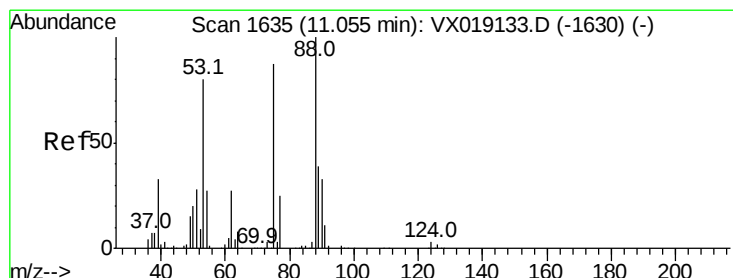
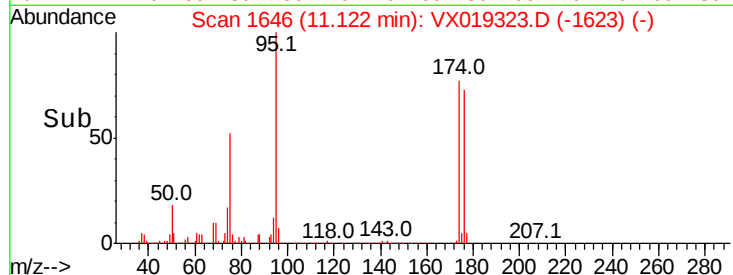
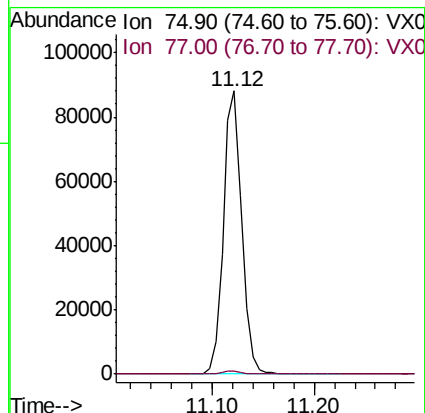
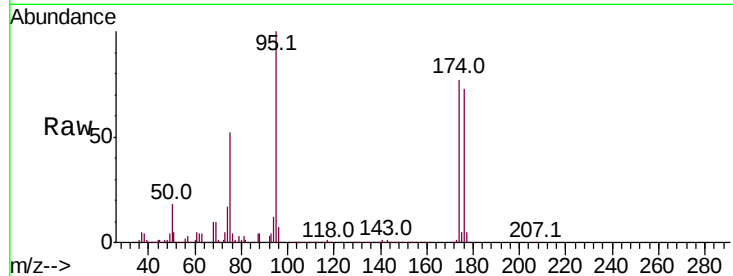
MW-2DL

Tot Ion: 75 Resp: 110223

Ion Ratio Lower Upper

75 100

77 1.1 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.906 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Tgt Ion: 75 Resp: 110223

Ion Ratio Lower Upper

75 100

53 0.1 73.3 109.9#

89 0.0 38.2 57.2#

