

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062920\
 Data File : VX017016.D
 Acq On : 29 Jun 2020 18:55
 Operator : JC/SP
 Sample : L3020-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-26

Quant Time: Jul 01 05:24:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	277089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	479611	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	480823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	249698	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	178527	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
35) Dibromofluoromethane	5.47	113	153696	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	8.70	98	579211	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
62) 4-Bromofluorobenzene	11.12	95	244219	55.69	ug/l	0.00
Spiked Amount			Recovery	=	111.38%	

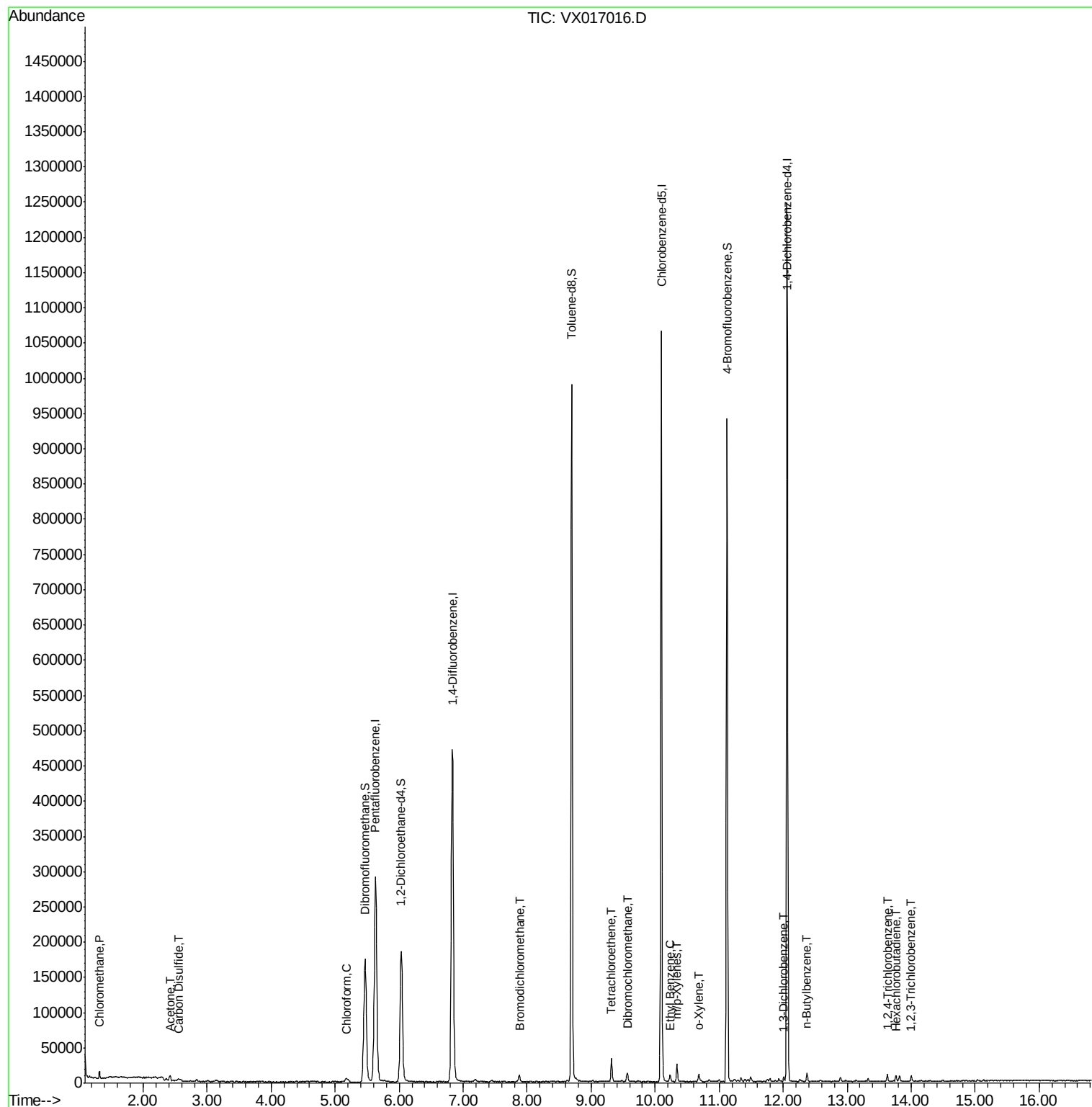
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	6453	1.989	ug/l	97
16) Acetone	2.42	43	8199	6.416	ug/l	95
17) Carbon Disulfide	2.55	76	4664	0.632	ug/l #	86
30) Chloroform	5.17	83	5951	1.088	ug/l #	83
47) Bromodichloromethane	7.88	83	5309	1.103	ug/l	98
60) Dibromochloromethane	9.57	129	4708	1.193	ug/l	99
64) Tetrachloroethene	9.32	164	6079	1.567	ug/l	95
67) Ethyl Benzene	10.23	91	4883	0.295	ug/l	94
68) m/p-Xylenes	10.34	106	5621	0.883	ug/l	98
69) o-Xylene	10.68	106	2063	0.341	ug/l	90
87) 1,3-Dichlorobenzene	12.01	146	1945	0.238	ug/l	94
89) n-Butylbenzene	12.37	91	3667	0.282	ug/l	93
93) 1,2,4-Trichlorobenzene	13.63	180	2219	0.426	ug/l	98
94) Hexachlorobutadiene	13.76	225	1185	1.434	ug/l	88
96) 1,2,3-Trichlorobenzene	14.00	180	1845	0.366	ug/l	91

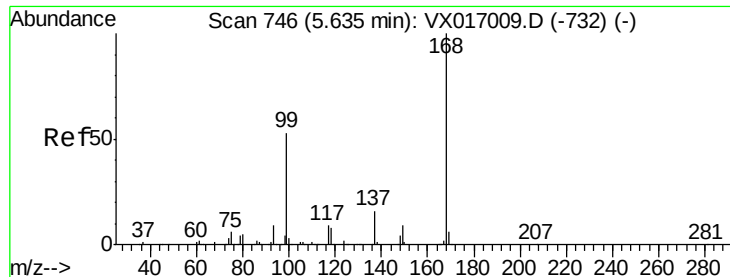
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017016.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

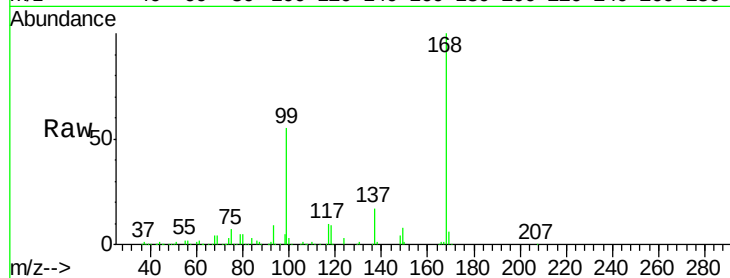
MW-26

Tgt Ion:168 Resp: 277089

Ion Ratio Lower Upper

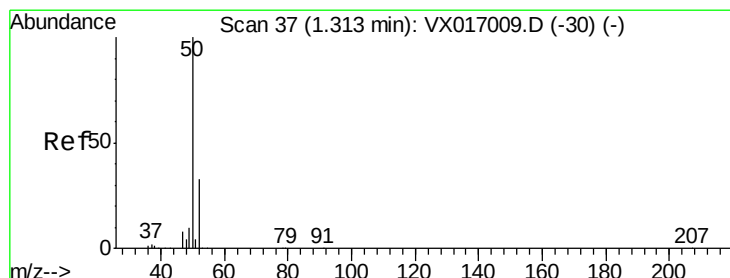
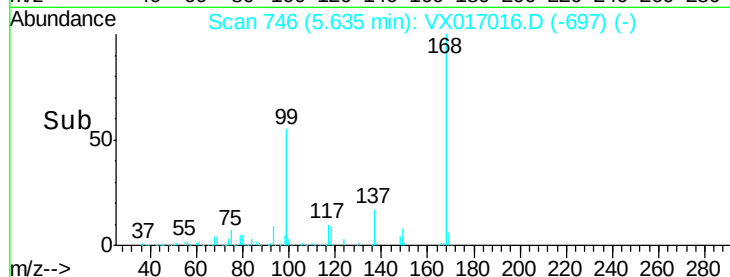
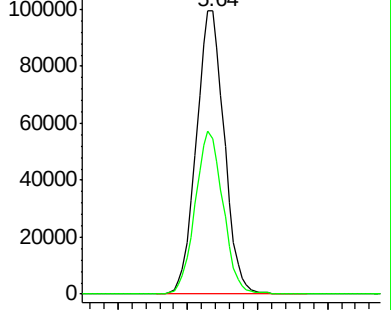
168 100

99 54.9 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.989 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017016.D

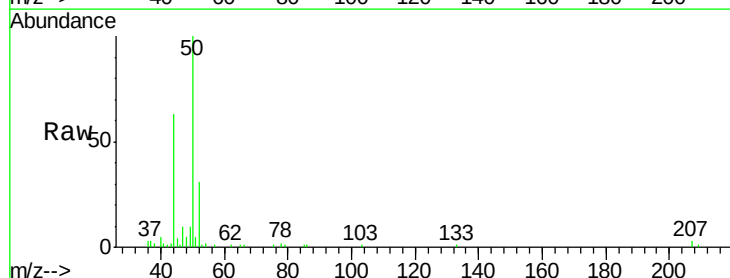
Acq: 29 Jun 2020 18:55

Tgt Ion: 50 Resp: 6453

Ion Ratio Lower Upper

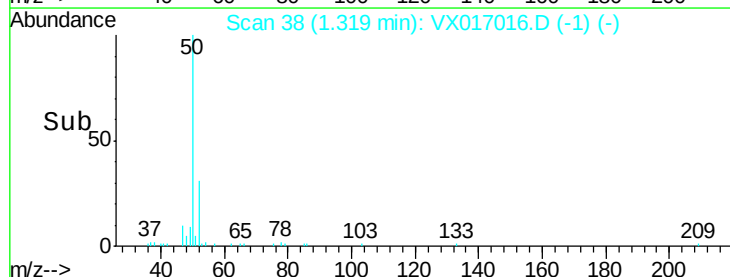
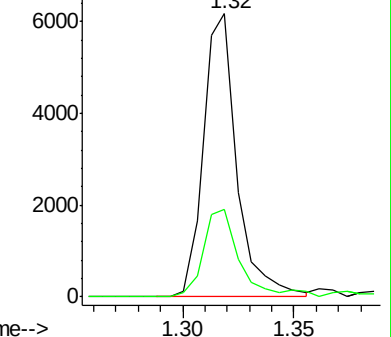
50 100

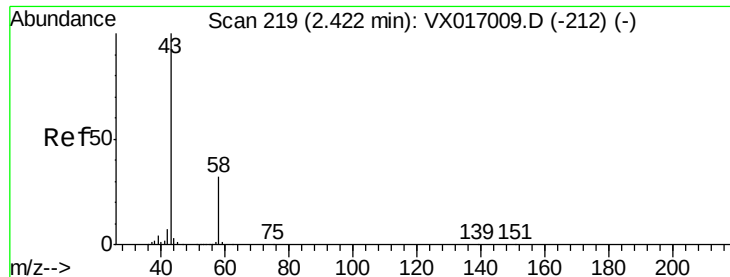
52 31.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#16

Acetone

Concen: 6.416 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017016.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA_X

ClientSampled :

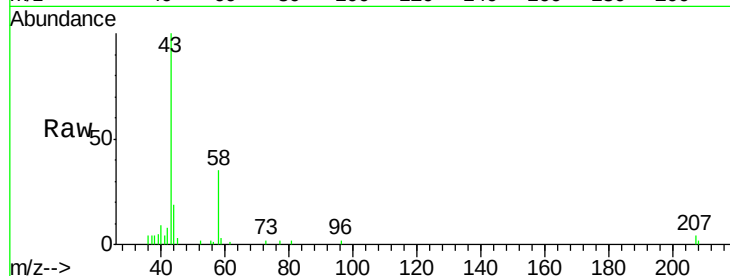
MW-26

Tgt Ion: 43 Resp: 8199

Ion Ratio Lower Upper

43 100

58 34.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

5000

4000

3000

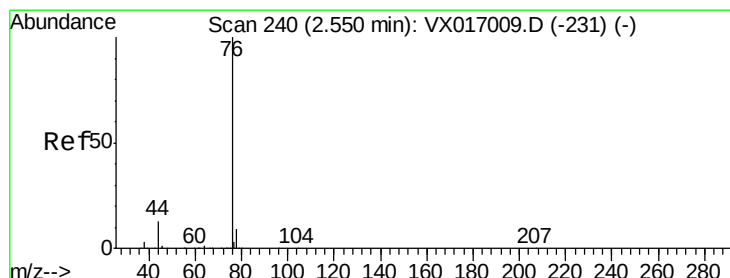
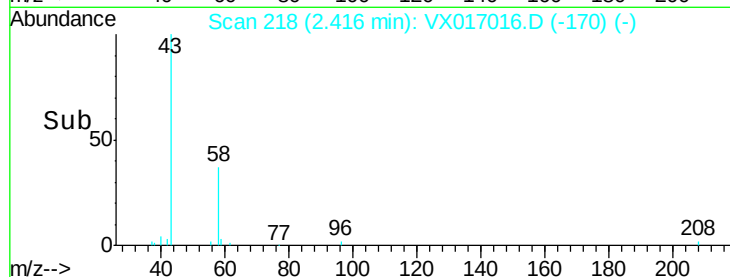
2000

1000

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.632 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017016.D

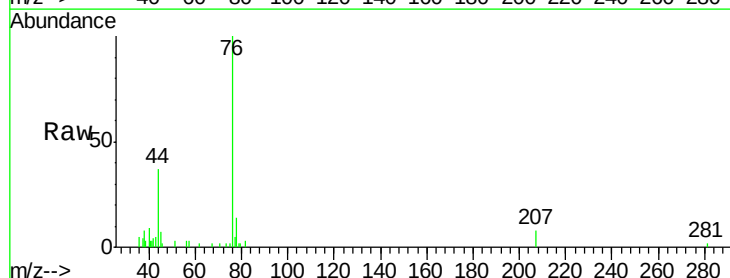
Acq: 29 Jun 2020 18:55

Tgt Ion: 76 Resp: 4664

Ion Ratio Lower Upper

76 100

78 14.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

3000

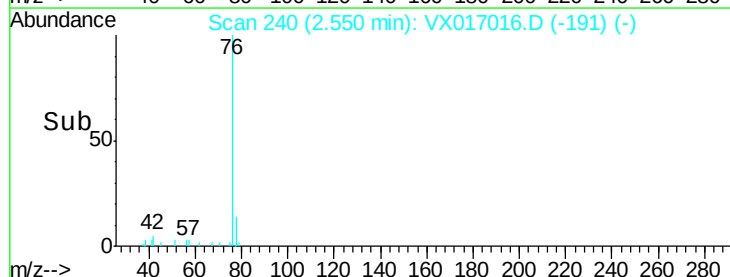
2000

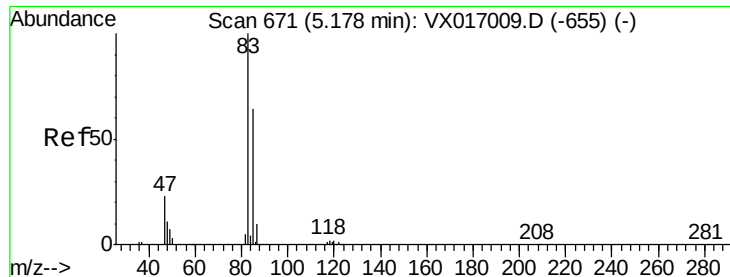
1000

0

Time-->

2.50 2.55 2.60

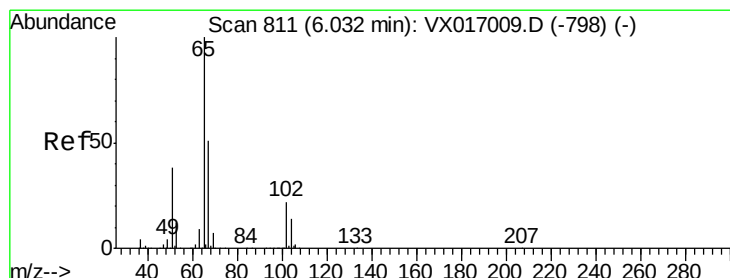
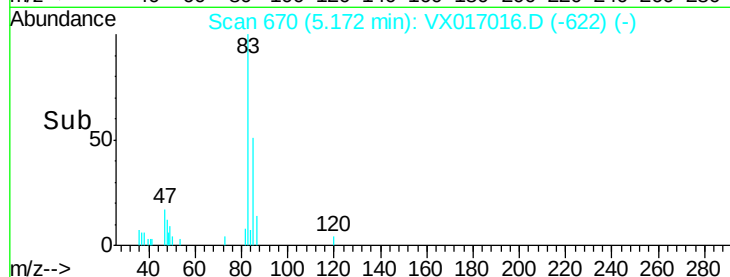
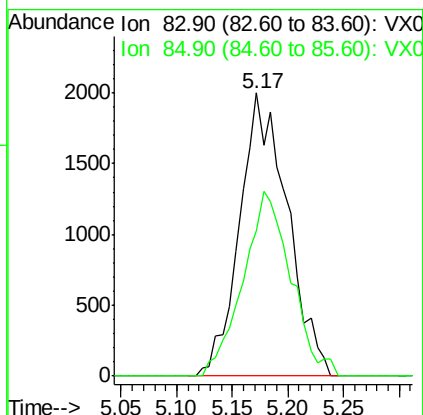
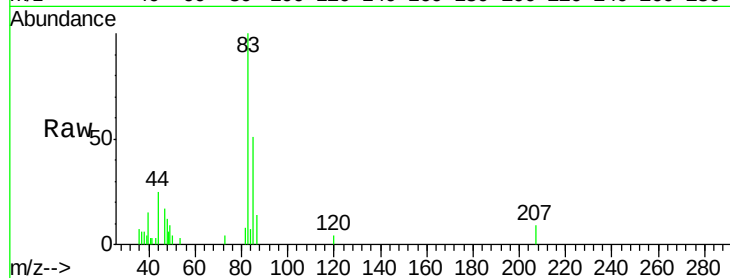




#30
Chloroform
Concen: 1.088 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX017016.D
Acq: 29 Jun 2020 18:55

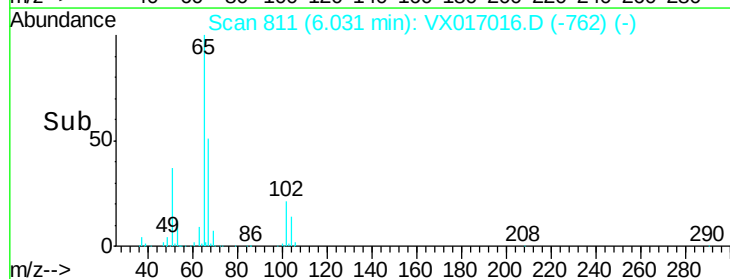
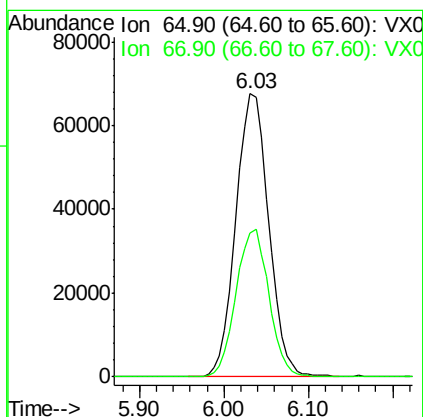
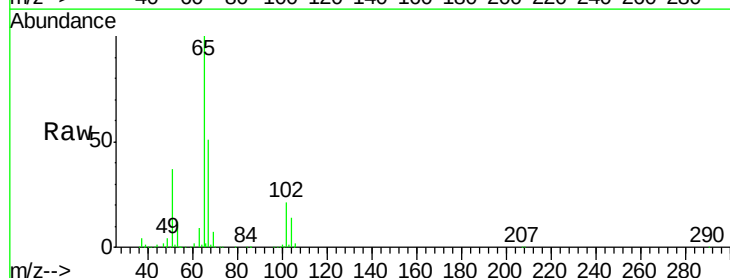
Instrument :
MSVOA_X
ClientSampled :
MW-26

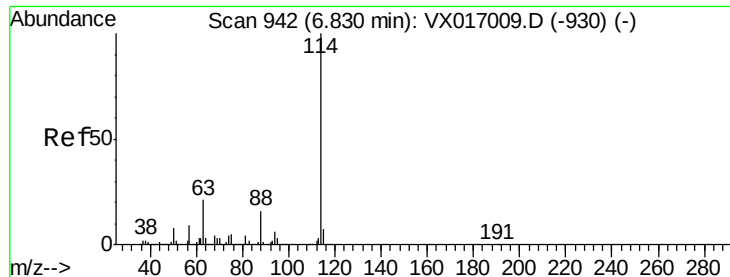
Tgt Ion: 83 Resp: 5951
Ion Ratio Lower Upper
83 100
85 51.3 51.4 77.2#



#33
1,2-Dichloroethane-d4
Concen: 52.263 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017016.D
Acq: 29 Jun 2020 18:55

Tgt Ion: 65 Resp: 178527
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017016.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

MW-26

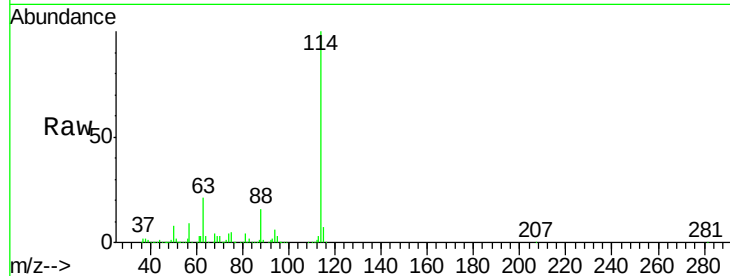
Tgt Ion:114 Resp: 479611

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

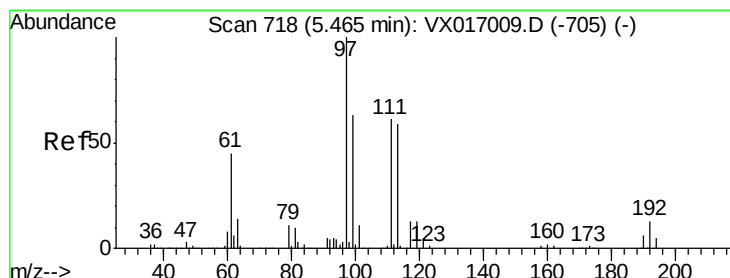
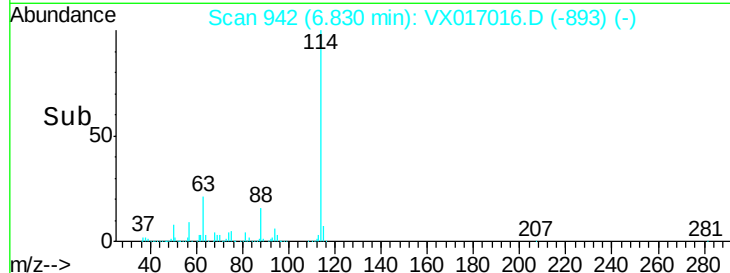
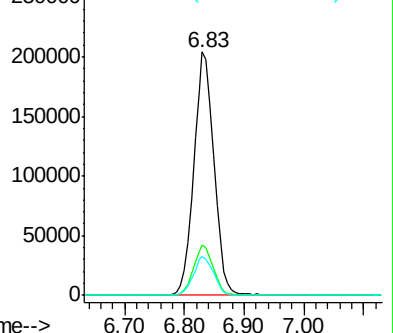
88 15.8 0.0 32.4



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: 50.660 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017016.D

Acq: 29 Jun 2020 18:55

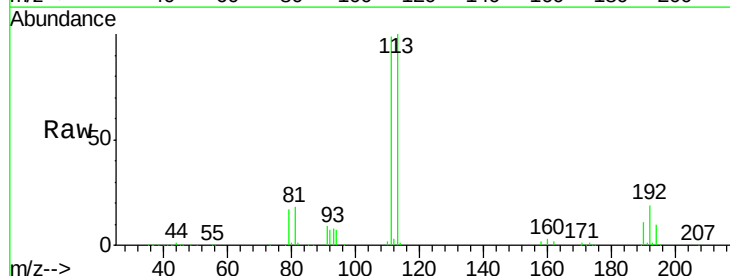
Tgt Ion:113 Resp: 153696

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

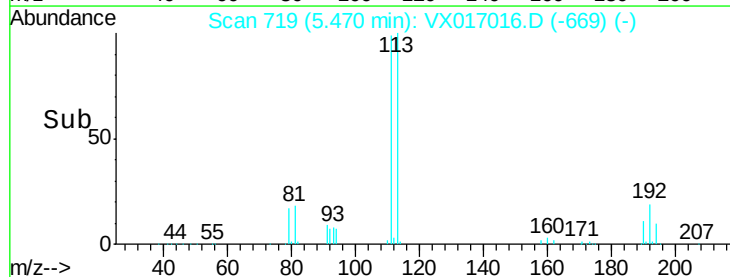
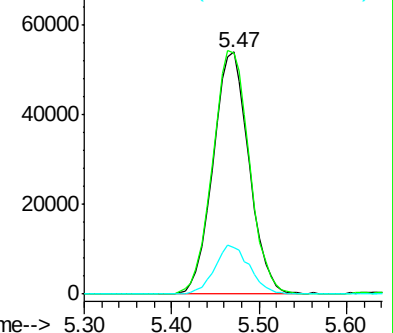
192 19.6 16.7 25.1

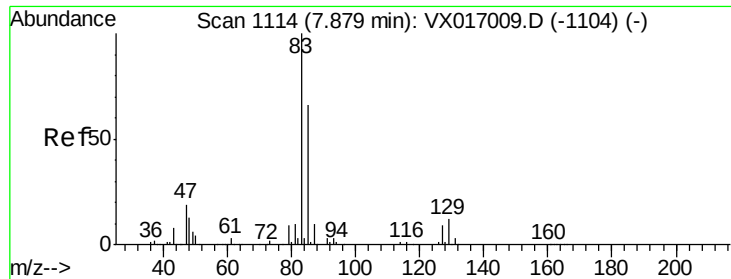


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#47

Bromodichloromethane

Concen: 1.103 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX017016.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

MW-26

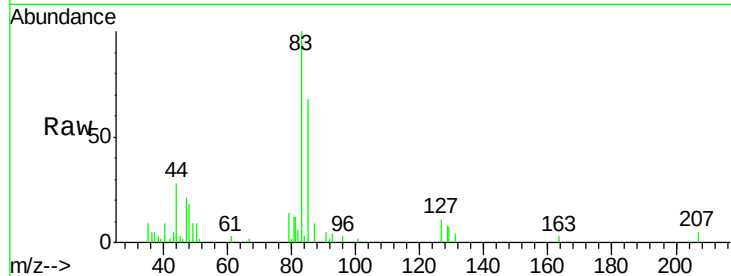
Tgt Ion: 83 Resp: 5309

Ion Ratio Lower Upper

83 100

85 67.5 53.0 79.4

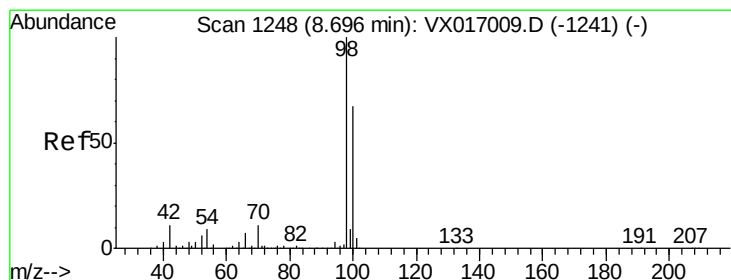
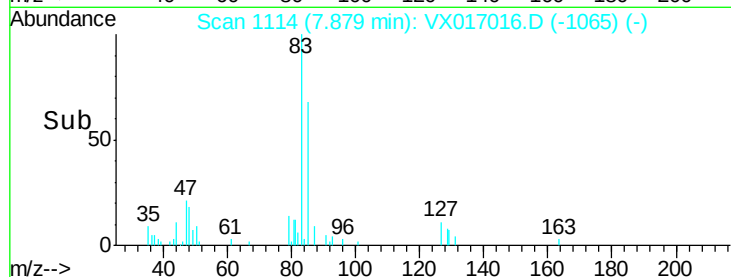
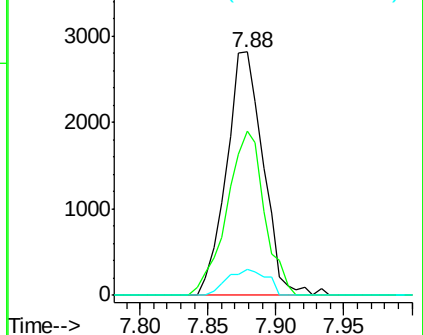
127 10.6 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#50

Toluene-d8

Concen: 51.629 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017016.D

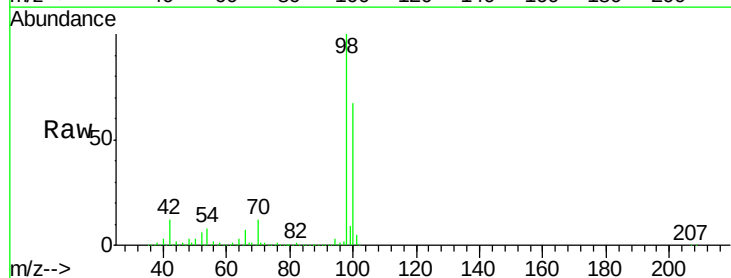
Acq: 29 Jun 2020 18:55

Tgt Ion: 98 Resp: 579211

Ion Ratio Lower Upper

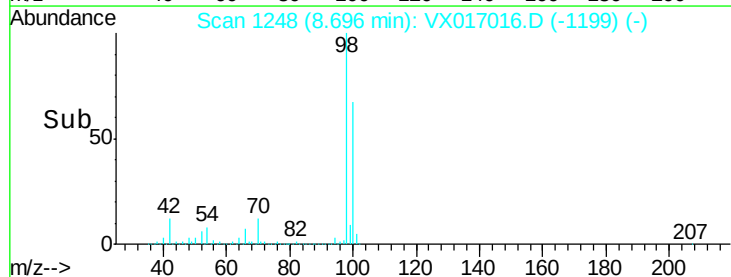
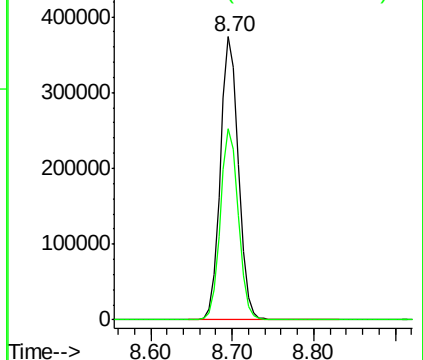
98 100

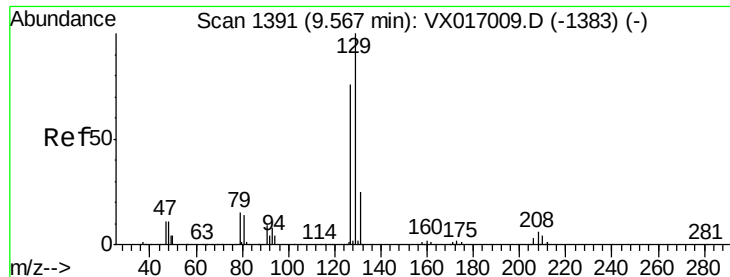
100 67.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 1.193 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX017016.D

Acq: 29 Jun 2020 18:55

Instrument :

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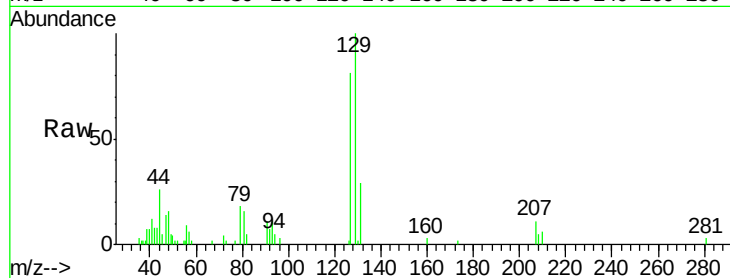
MW-26

Tgt Ion:129 Resp: 4708

Ion Ratio Lower Upper

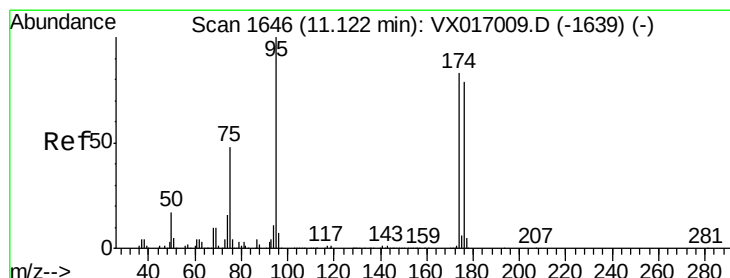
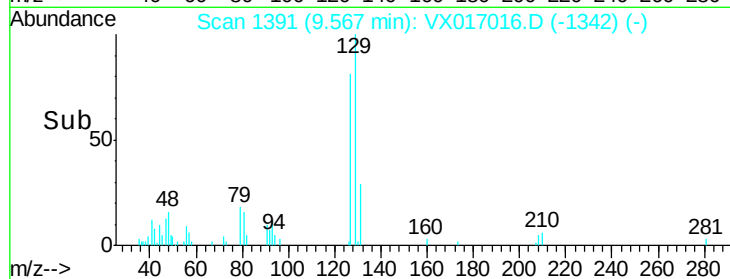
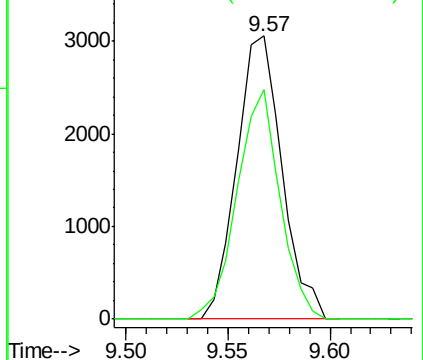
129 100

127 76.8 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 55.688 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017016.D

Acq: 29 Jun 2020 18:55

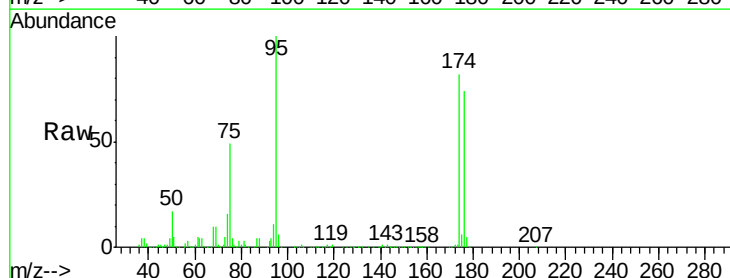
Tgt Ion: 95 Resp: 244219

Ion Ratio Lower Upper

95 100

174 80.8 0.0 164.0

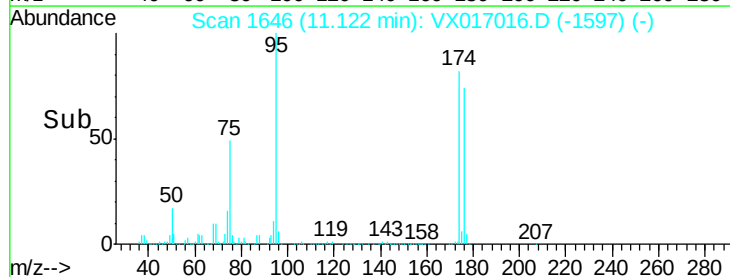
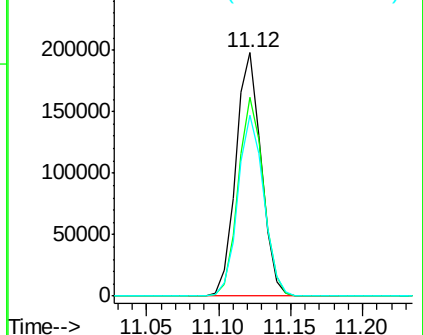
176 75.5 0.0 157.6

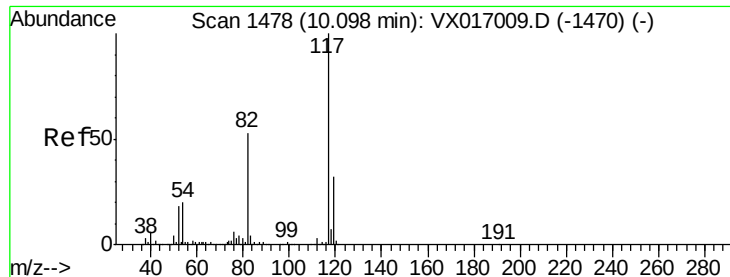


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

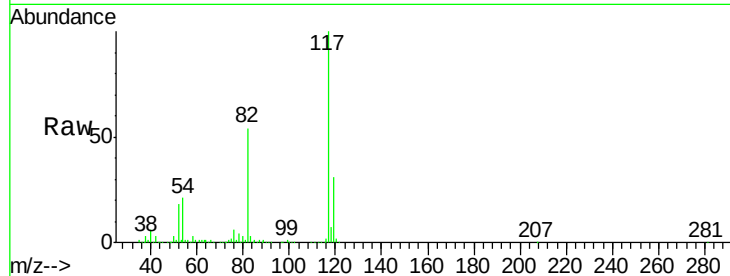




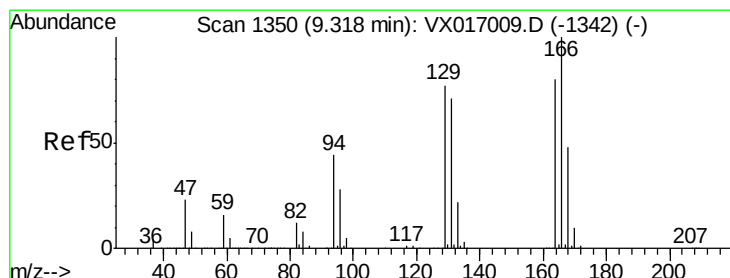
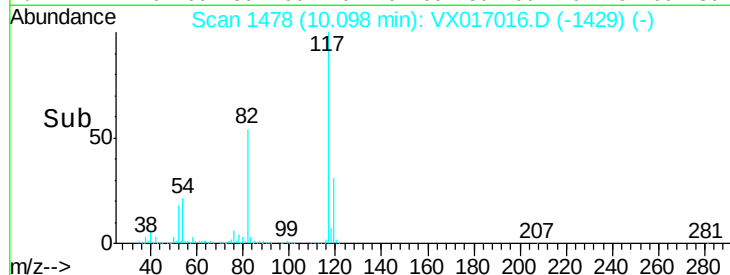
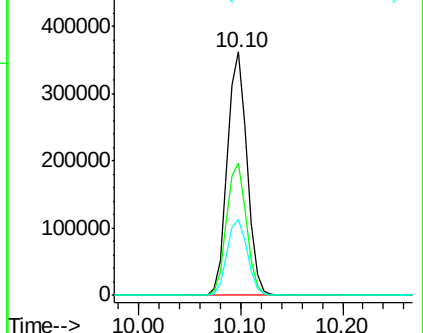
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017016.D
Acq: 29 Jun 2020 18:55

Instrument :
MSVOA_X
ClientSampleId :
MW-26

Tgt Ion:117 Resp: 480823
Ion Ratio Lower Upper
117 100
82 54.5 42.6 63.8
119 31.4 25.4 38.2

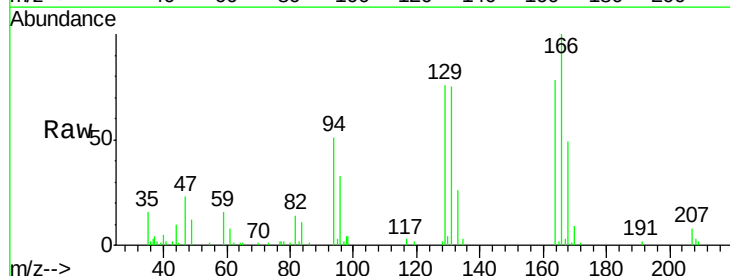


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

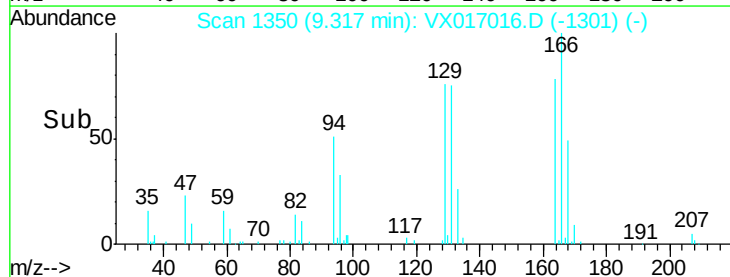
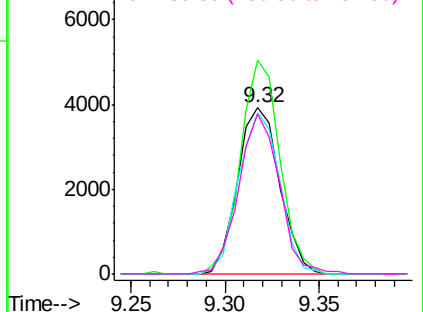


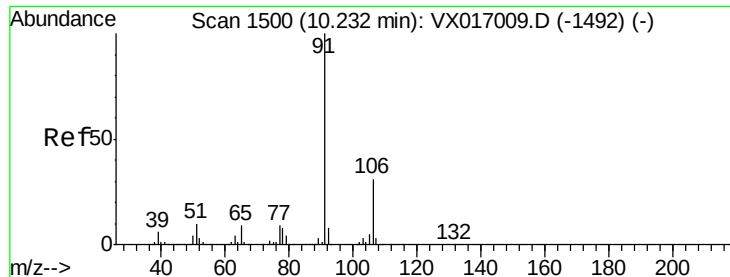
#64
Tetrachloroethene
Concen: 1.567 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017016.D
Acq: 29 Jun 2020 18:55

Tgt Ion:164 Resp: 6079
Ion Ratio Lower Upper
164 100
166 128.7 99.4 149.0
129 97.3 76.3 114.5
131 96.6 70.6 105.8



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

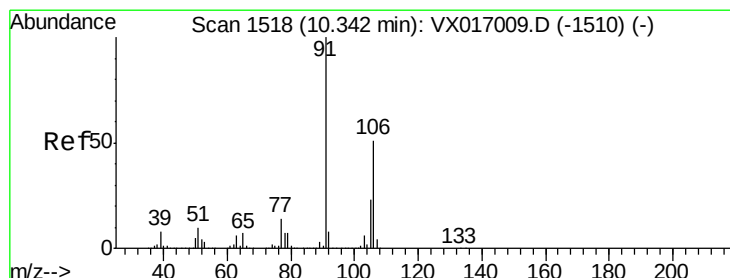
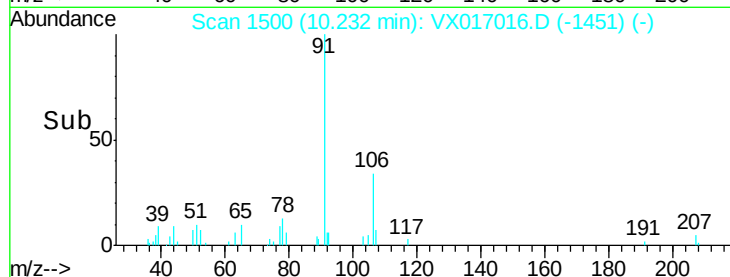
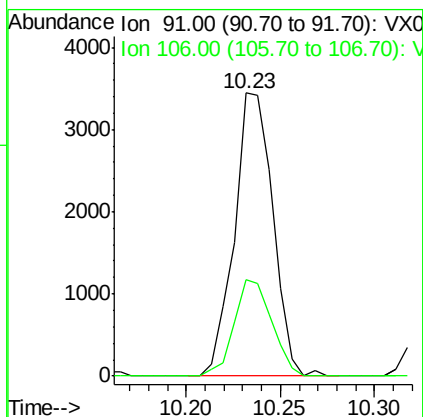
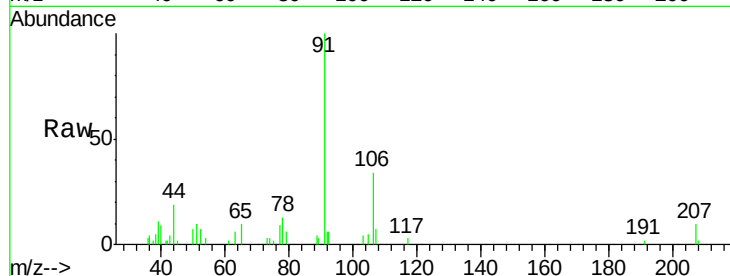




#67
Ethyl Benzene
Concen: 0.295 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX017016.D
Acq: 29 Jun 2020 18:55

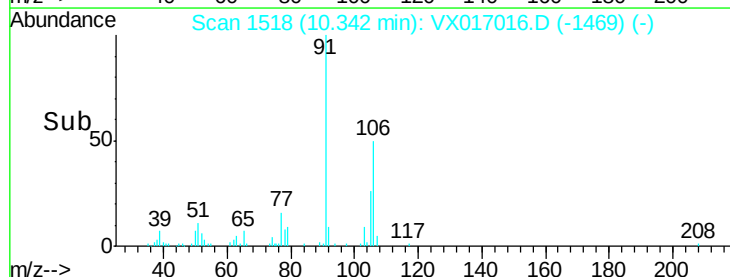
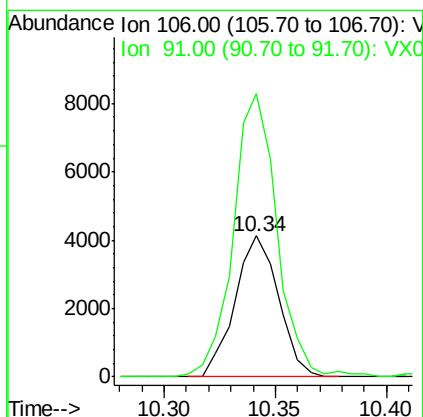
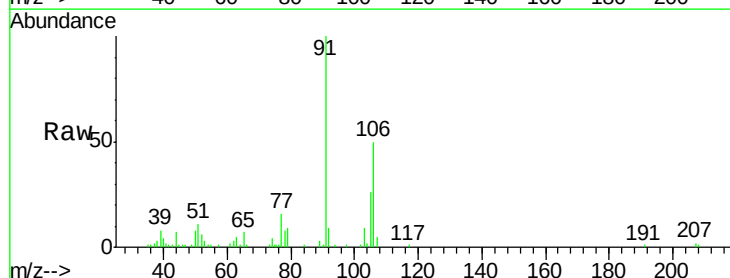
Instrument :
MSVOA_X
ClientSampleId :
MW-26

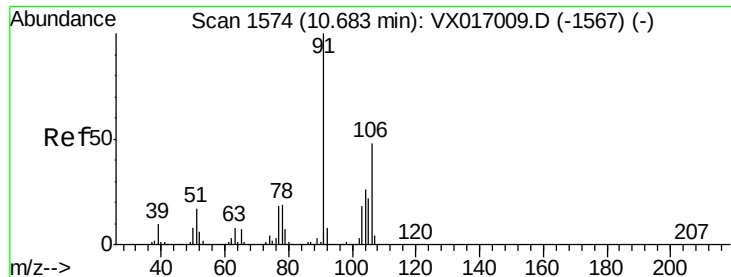
Tgt Ion: 91 Resp: 4883
Ion Ratio Lower Upper
91 100
106 34.2 24.7 37.1



#68
m/p-Xylenes
Concen: 0.883 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017016.D
Acq: 29 Jun 2020 18:55

Tgt Ion: 106 Resp: 5621
Ion Ratio Lower Upper
106 100
91 201.7 158.6 238.0

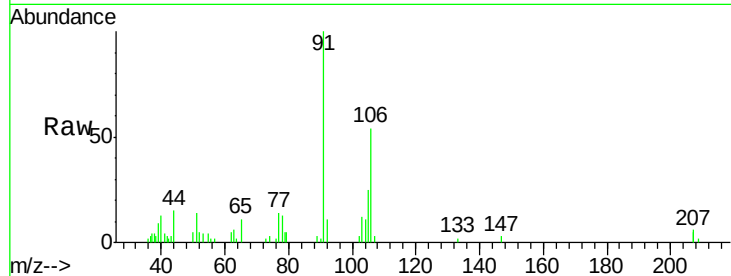




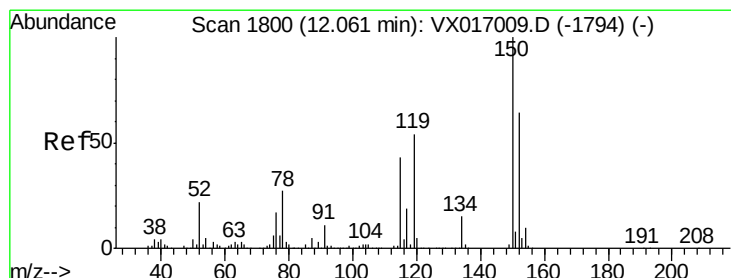
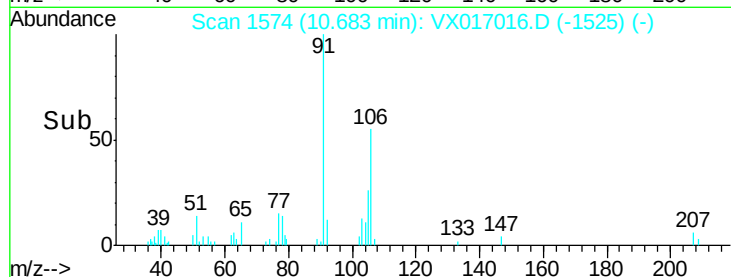
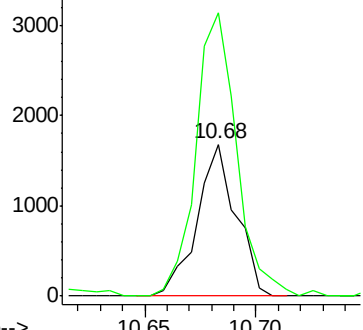
#69
o-Xylene
Concen: 0.341 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017016.D
Acq: 29 Jun 2020 18:55

Instrument :
MSVOA_X
ClientSampled :
MW-26

Tgt Ion:106 Resp: 2063
Ion Ratio Lower Upper
106 100
91 195.4 105.6 316.7

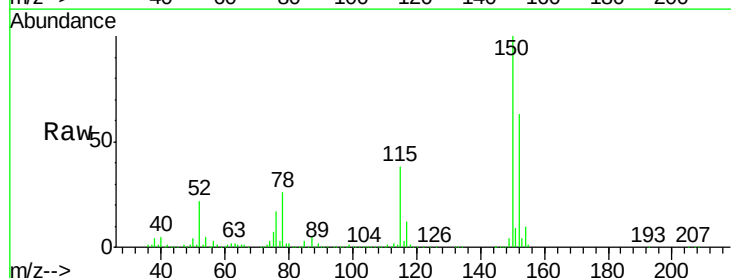


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

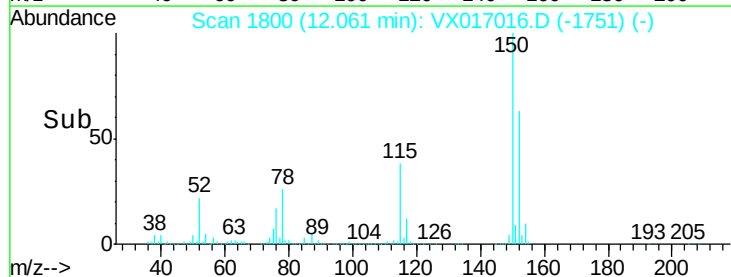
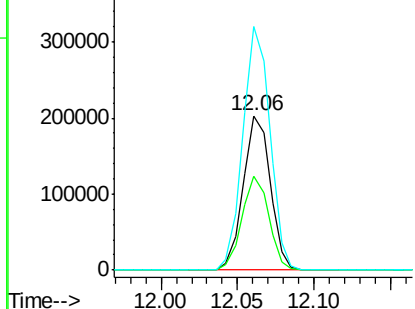


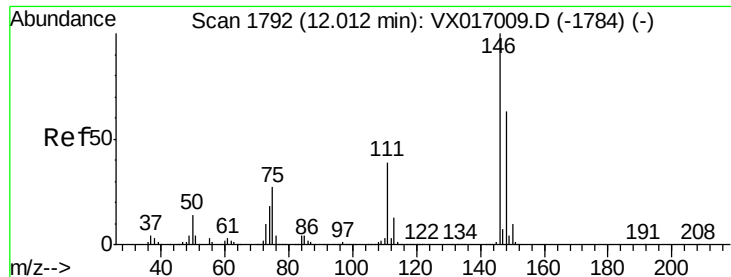
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017016.D
Acq: 29 Jun 2020 18:55

Tgt Ion:152 Resp: 249698
Ion Ratio Lower Upper
152 100
115 60.3 40.9 122.7
150 157.8 0.0 351.6



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

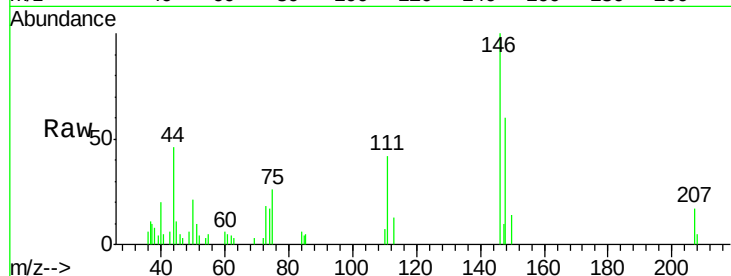




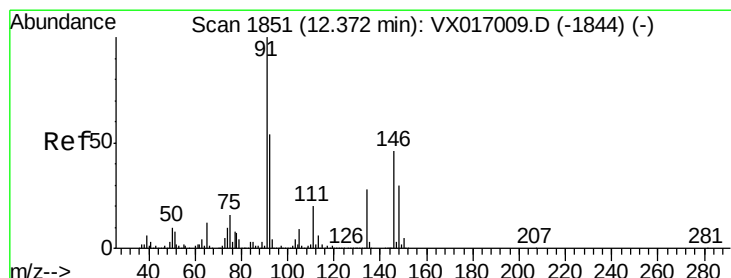
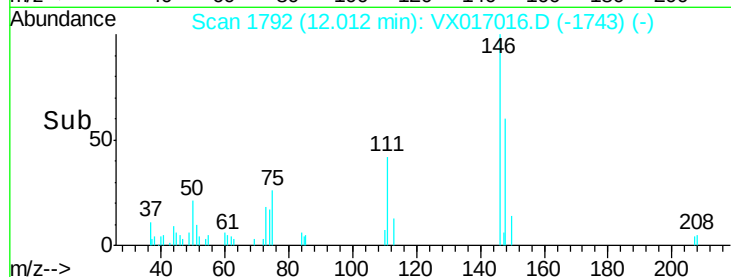
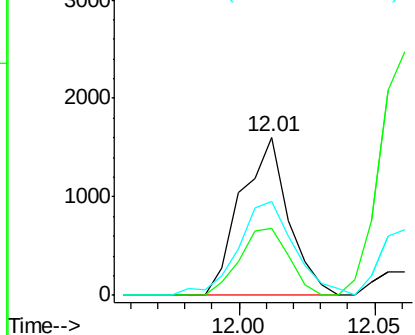
#87
 1,3-Dichlorobenzene
 Concen: 0.238 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX017016.D
 Acq: 29 Jun 2020 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-26

Tgt Ion: 146 Resp: 1945
 Ion Ratio Lower Upper
 146 100
 111 43.9 20.4 61.2
 148 70.1 32.5 97.5

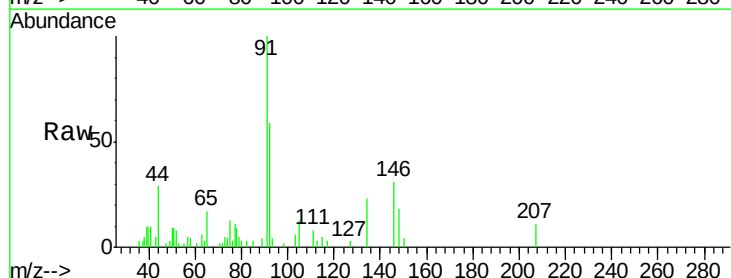


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

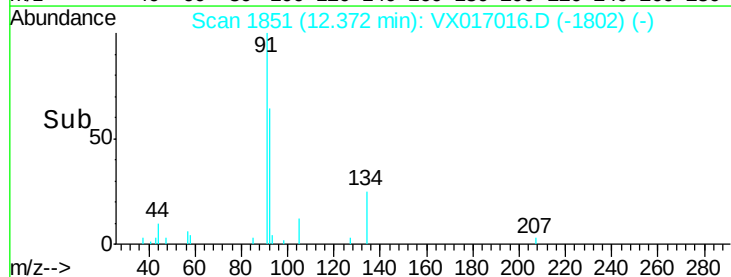
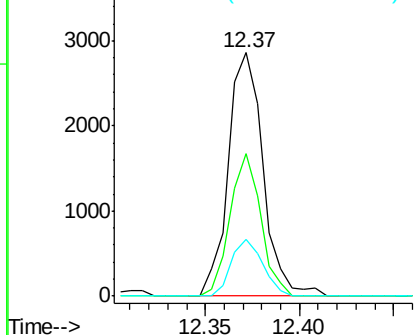


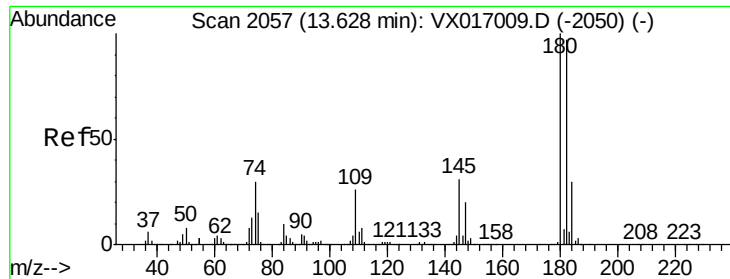
#89
 n-Butylbenzene
 Concen: 0.282 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX017016.D
 Acq: 29 Jun 2020 18:55

Tgt Ion: 91 Resp: 3667
 Ion Ratio Lower Upper
 91 100
 92 51.6 27.2 81.6
 134 20.8 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V

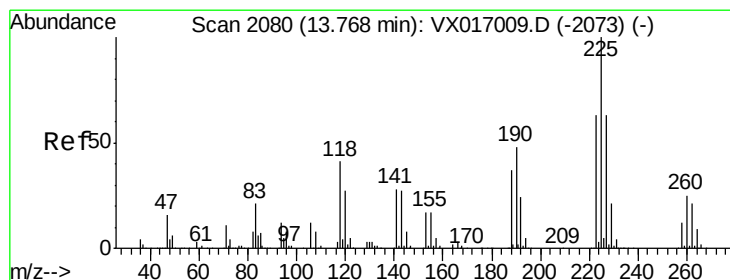
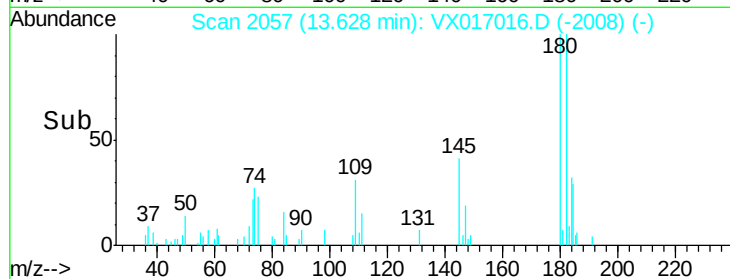
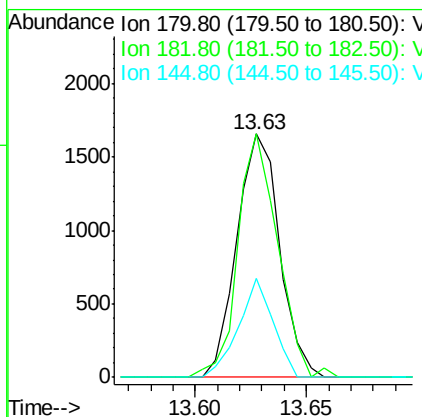
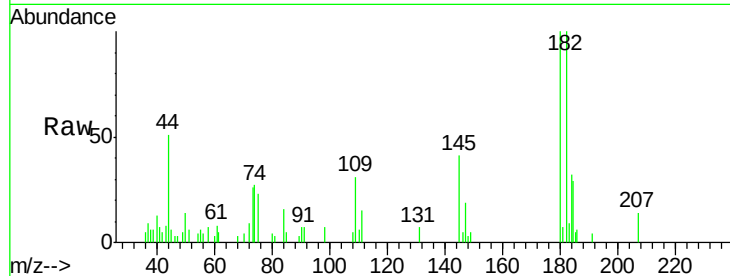




#93
 1,2,4-Trichlorobenzene
 Concen: 0.426 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017016.D
 Acq: 29 Jun 2020 18:55

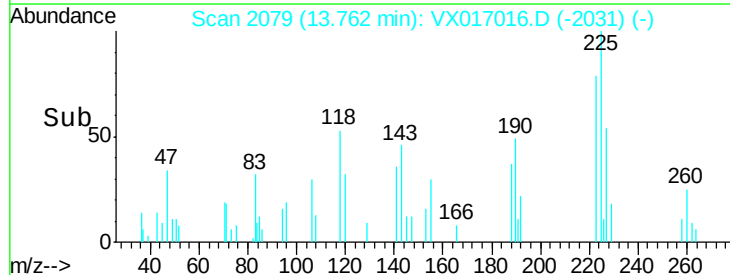
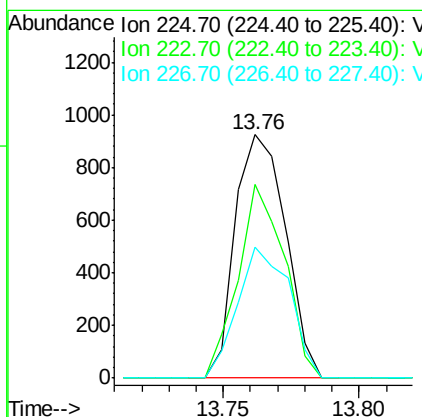
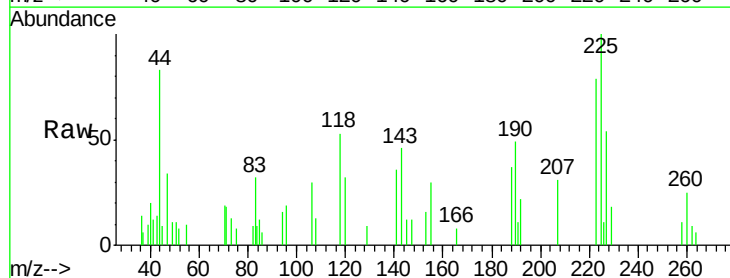
Instrument :
 MSVOA_X
 ClientSampled :
 MW-26

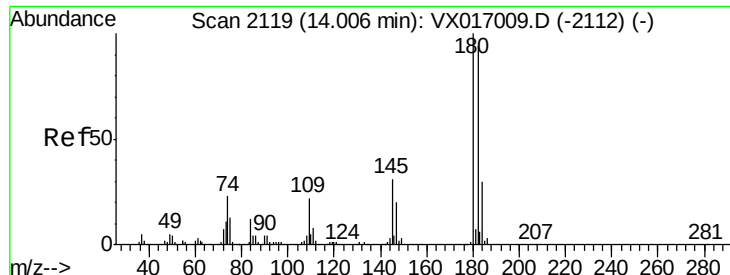
Tgt Ion:180 Resp: 2219
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.3 141.9
 145 32.9 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 1.434 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017016.D
 Acq: 29 Jun 2020 18:55

Tgt Ion:225 Resp: 1185
 Ion Ratio Lower Upper
 225 100
 223 73.5 32.5 97.5
 227 55.6 33.1 99.2





#96

1,2,3-Trichlorobenzene

Concen: 0.366 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX017016.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

MW-26

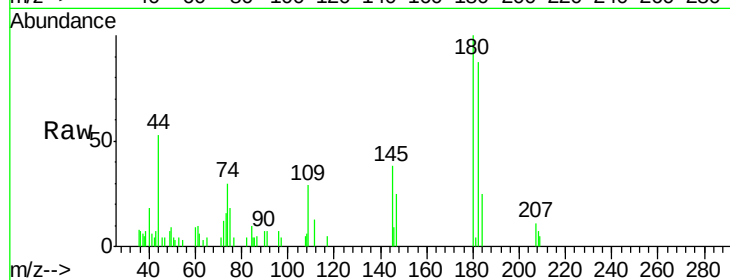
Tgt Ion:180 Resp: 1845

Ion Ratio Lower Upper

180 100

182 102.3 47.1 141.4

145 40.5 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

