

Data File : VX017239.D
Acq On : 08 Jul 2020 05:54
Operator : JC/SP
Sample : L3232-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1007-MW-11

Quant Time: Jul 08 06:31:30 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	5.63	168	253652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	429943	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	453724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	239306	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	170176	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
35) Dibromofluoromethane	5.47	113	148974	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
50) Toluene-d8	8.70	98	531621	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
62) 4-Bromofluorobenzene	11.12	95	218498	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	

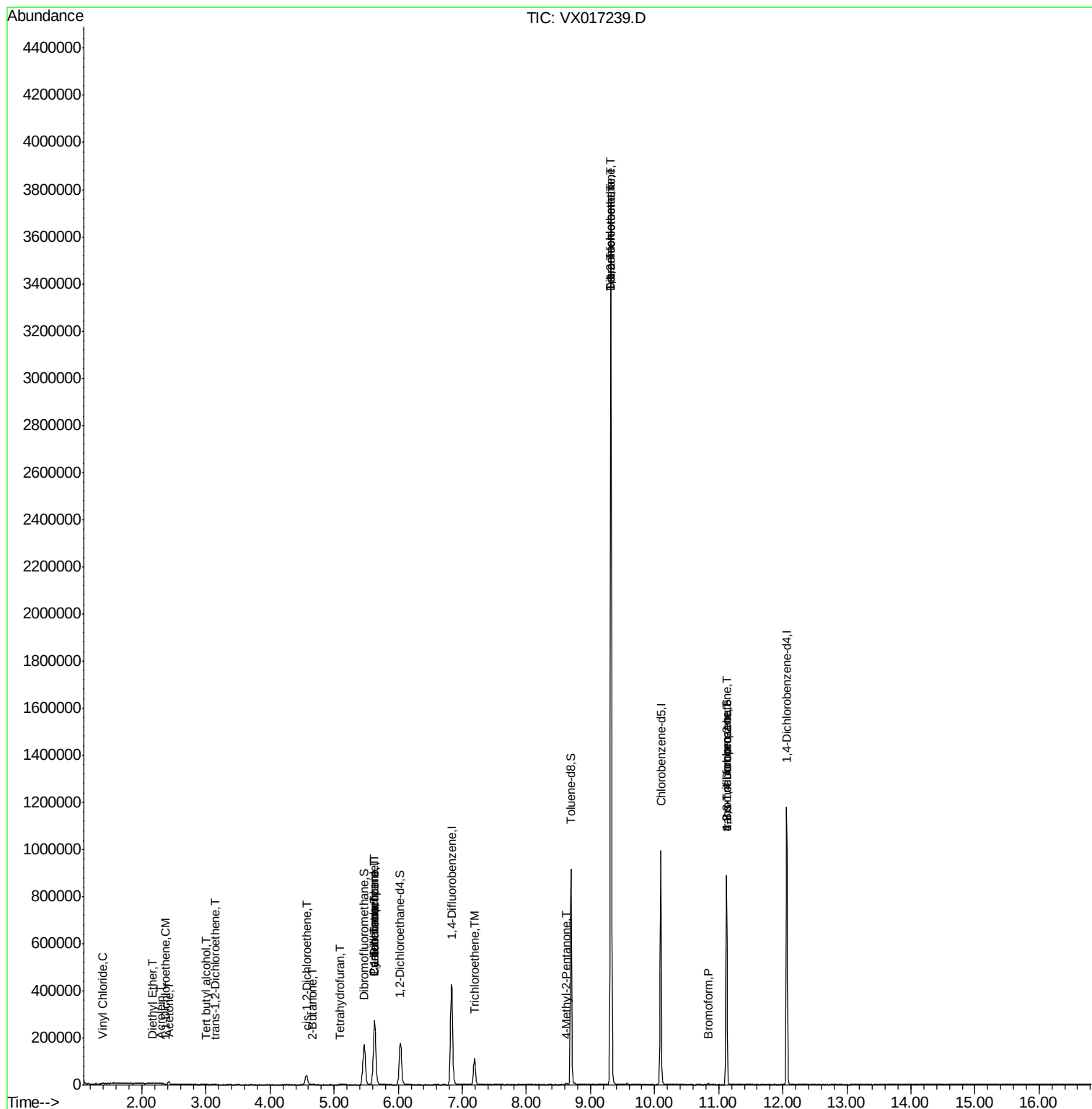
Target Compounds			Qvalue			
4) Vinyl Chloride	1.39	62	1231	0.447	ug/l #	86
8) Diethyl Ether	2.16	74	182	0.497	ug/l	72
11) Tert butyl alcohol	3.01	59	545	0.914	ug/l #	92
12) 1,1-Dichloroethene	2.37	96	734	0.292	ug/l #	15
13) Acrolein	2.29	56	392	1.099	ug/l #	15
16) Acetone	2.42	43	12127	10.367	ug/l	100
20) Methylene Chloride	2.84	84	472	Below Cal	#	63
21) trans-1,2-Dichloroethene	3.14	96	584	0.210	ug/l #	69
25) 2-Butanone	4.66	43	4449	2.283	ug/l #	81
27) cis-1,2-Dichloroethene	4.56	96	25440	8.062	ug/l	90
29) Tetrahydrofuran	5.09	42	872	0.677	ug/l #	61
31) Cyclohexane	5.63	56	5043	1.195	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	18839	4.636	ug/l #	51
38) Carbon Tetrachloride	5.63	117	25239	5.639	ug/l #	17
44) Trichloroethene	7.19	130	42530	12.678	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	3581	0.877	ug/l	92
55) 1,1,2-Trichloroethane	9.32	97	6237	2.048	ug/l #	10
60) Dibromochloromethane	9.32	129	666324	188.371	ug/l #	11
64) Tetrachloroethene	9.32	164	715311	195.342	ug/l	97
71) Bromoform	10.84	173	1856	0.649	ug/l #	97
76) 1,2,3-Trichloropropane	11.12	75	109053	23.174	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	109053	60.013	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	410	Below Cal	#	1

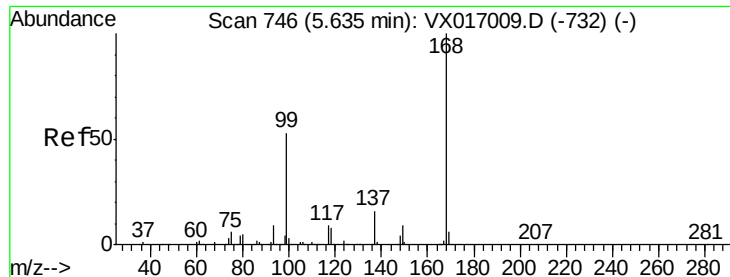
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

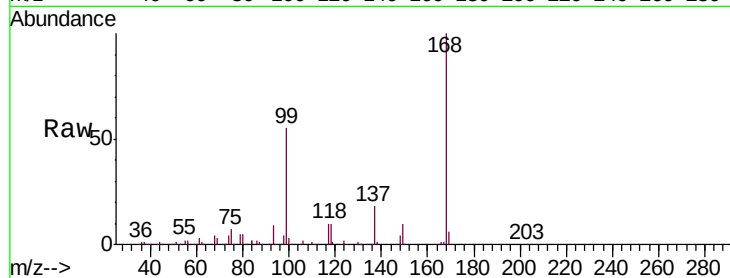
1007-MW-11

Tgt Ion:168 Resp: 253652

Ion Ratio Lower Upper

168 100

99 54.5 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

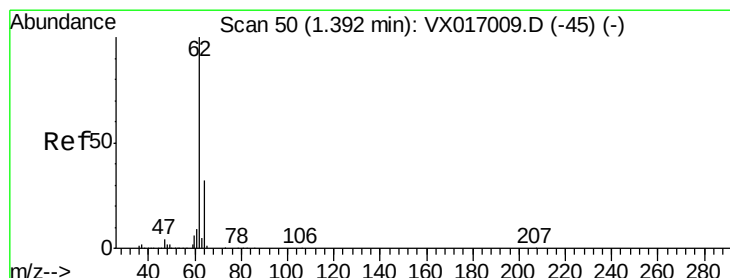
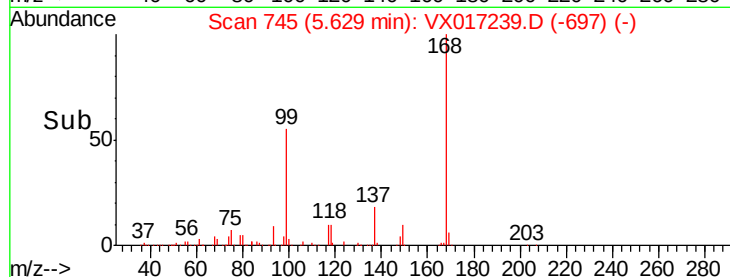
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 0.447 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017239.D

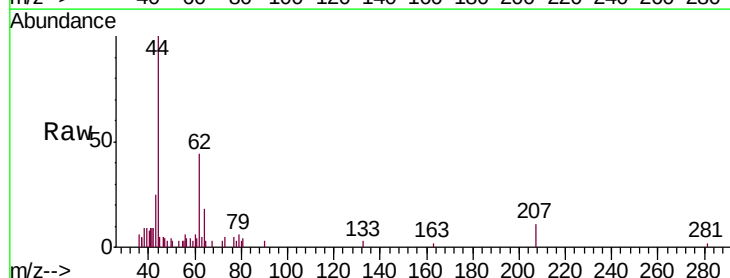
Acq: 08 Jul 2020 05:54

Tgt Ion: 62 Resp: 1231

Ion Ratio Lower Upper

62 100

64 40.4 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

1000

800

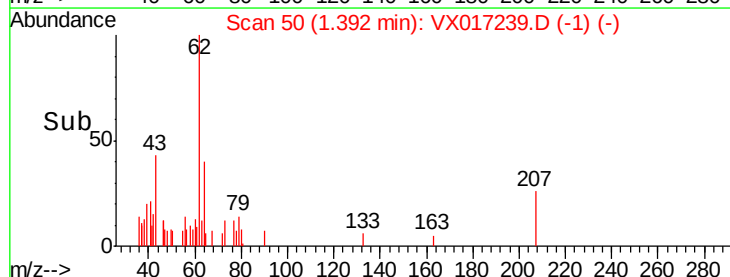
600

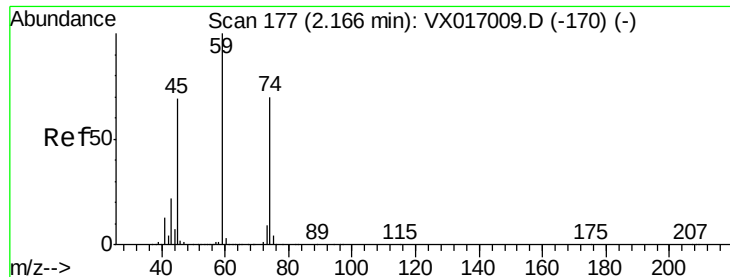
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.497 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

Instrument :

MSVOA_X

ClientSampled :

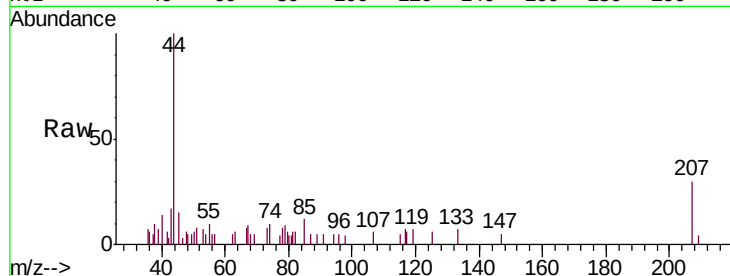
1007-MW-11

Tgt Ion: 74 Resp: 182

Ion Ratio Lower Upper

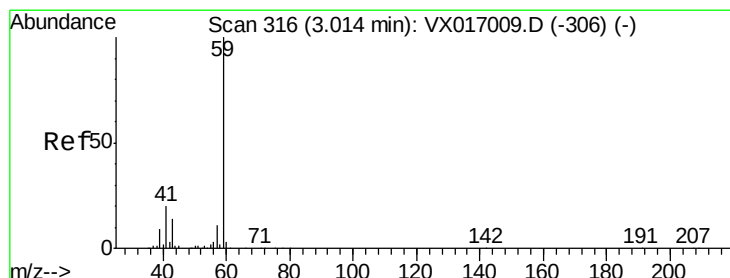
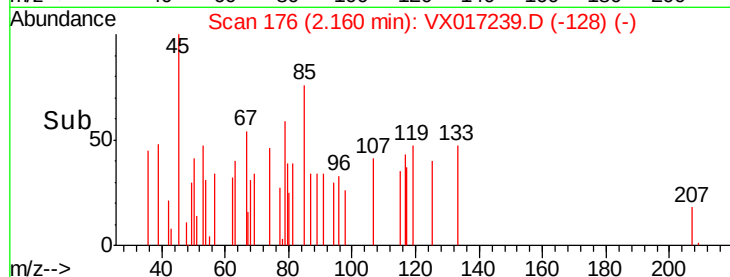
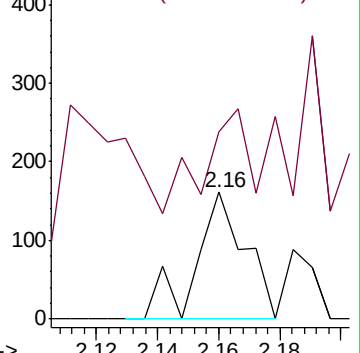
74 100

45 72.0 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 0.914 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017239.D

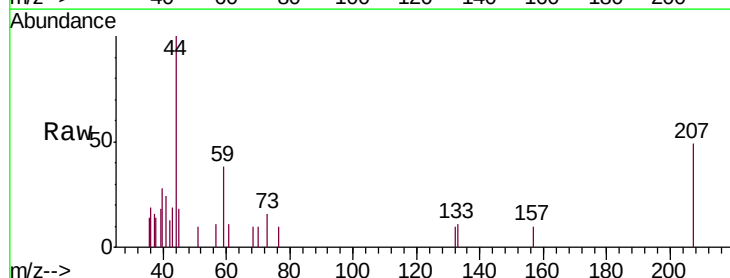
Acq: 08 Jul 2020 05:54

Tgt Ion: 59 Resp: 545

Ion Ratio Lower Upper

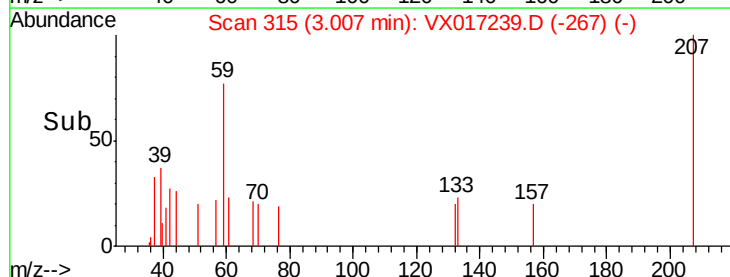
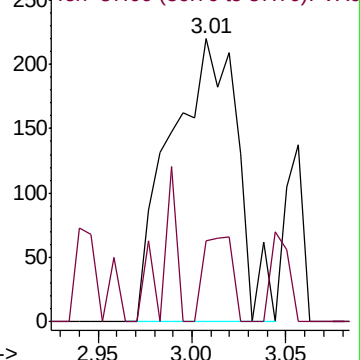
59 100

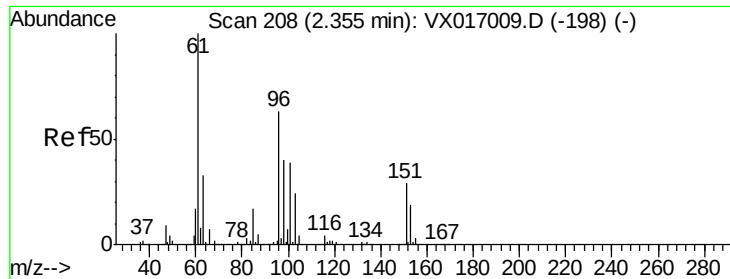
57 13.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.292 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

1007-MW-11

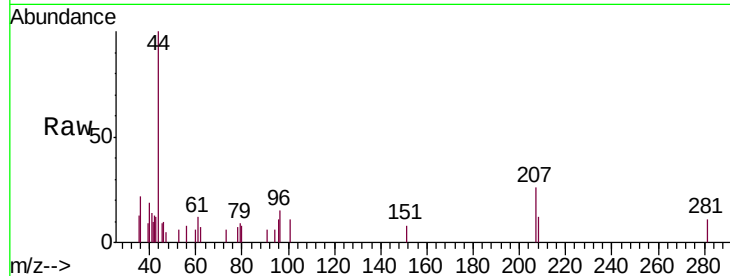
Tgt Ion: 96 Resp: 734

Ion Ratio Lower Upper

96 100

61 45.8 126.3 189.5#

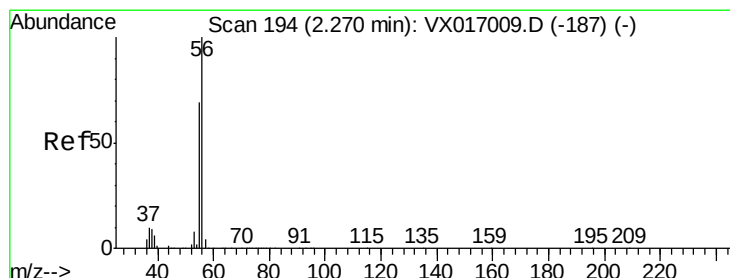
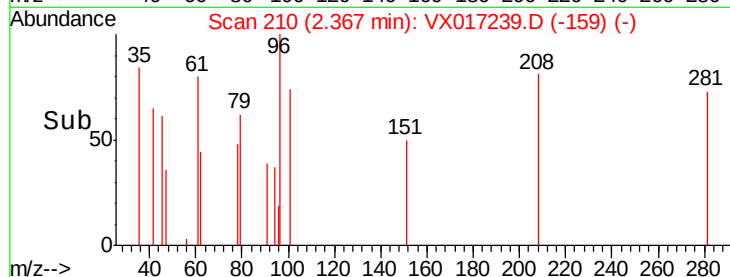
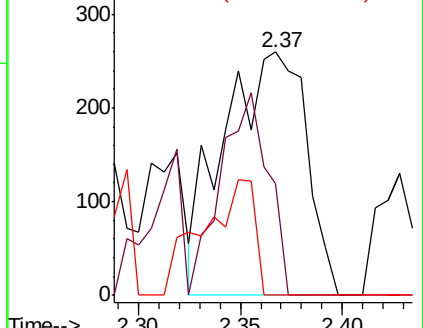
98 0.0 51.0 76.6#



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: 1.099 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.02 min

Lab File: VX017239.D

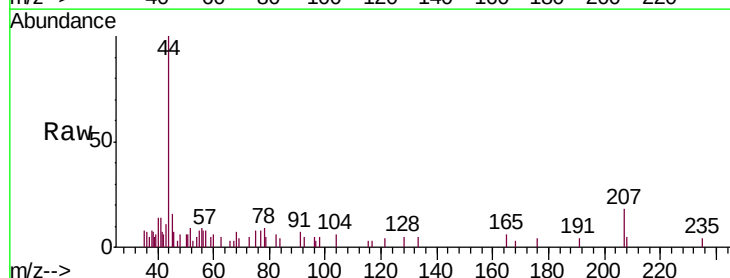
Acq: 08 Jul 2020 05:54

Tgt Ion: 56 Resp: 392

Ion Ratio Lower Upper

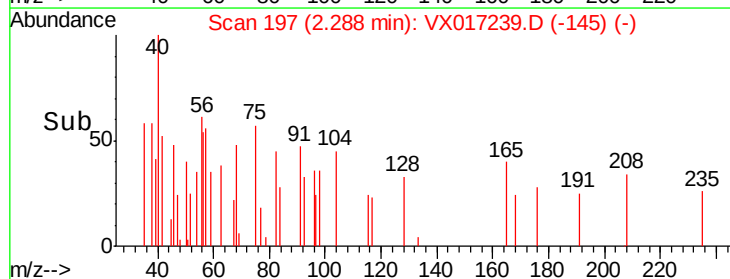
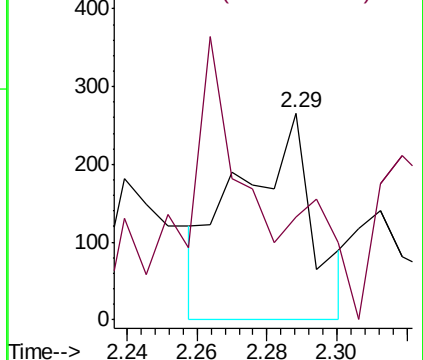
56 100

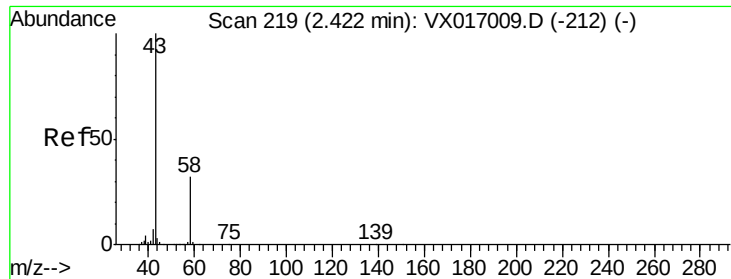
55 0.0 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 10.367 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

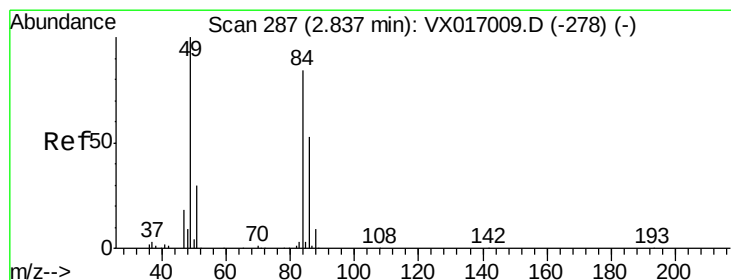
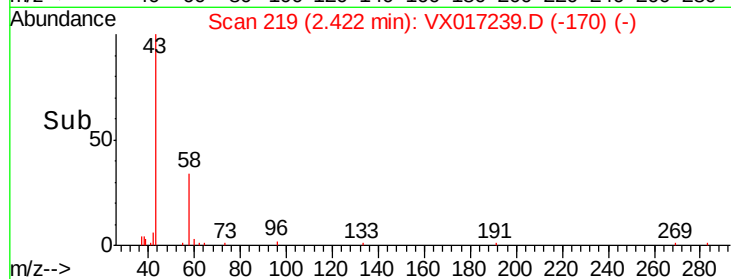
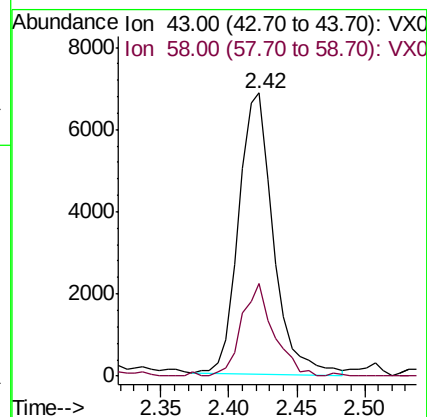
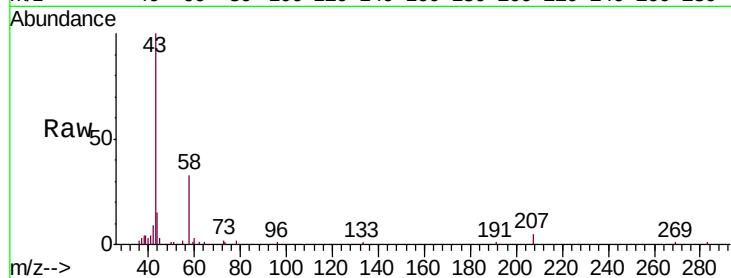
1007-MW-11

Tgt Ion: 43 Resp: 12127

Ion Ratio Lower Upper

43 100

58 32.0 25.7 38.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

Tgt Ion: 84 Resp: 472

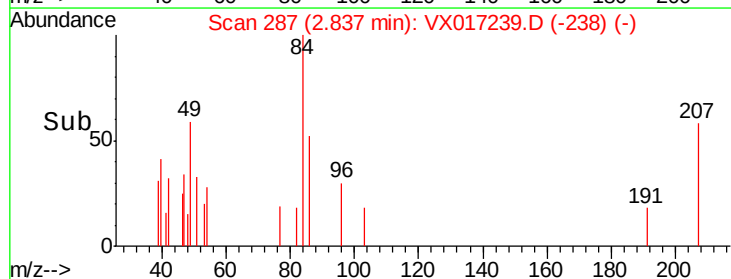
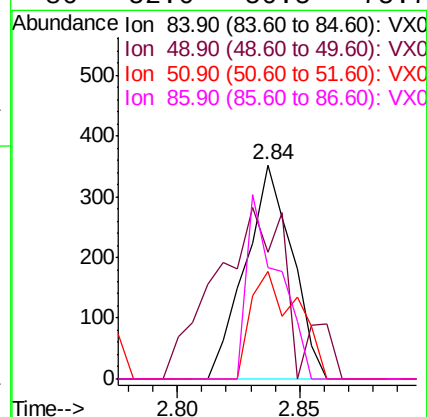
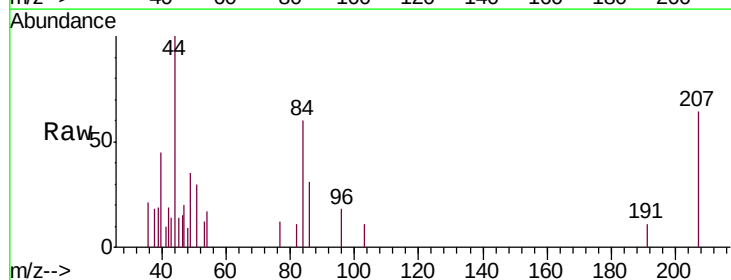
Ion Ratio Lower Upper

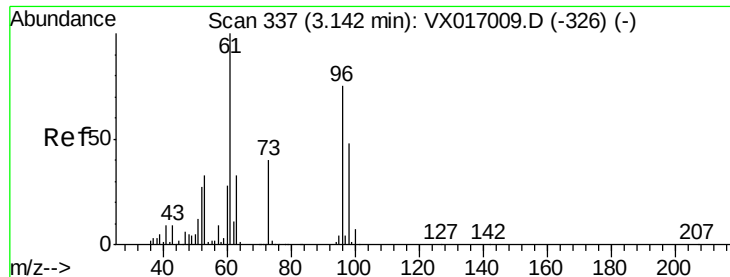
84 100

49 59.1 94.7 142.1#

51 50.0 28.6 42.8#

86 52.0 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 0.210 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

Instrument :

MSVOA_X

ClientSampled :

1007-MW-11

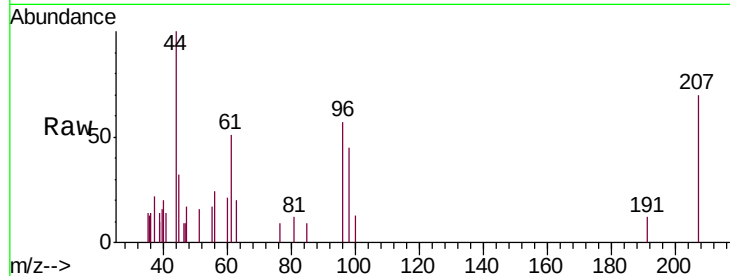
Tgt Ion: 96 Resp: 584

Ion Ratio Lower Upper

96 100

61 90.2 107.0 160.6#

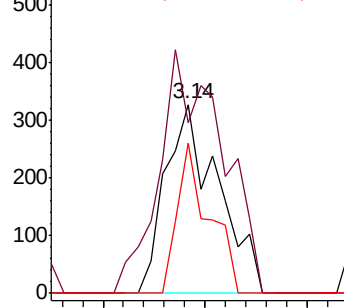
98 79.5 51.6 77.4#



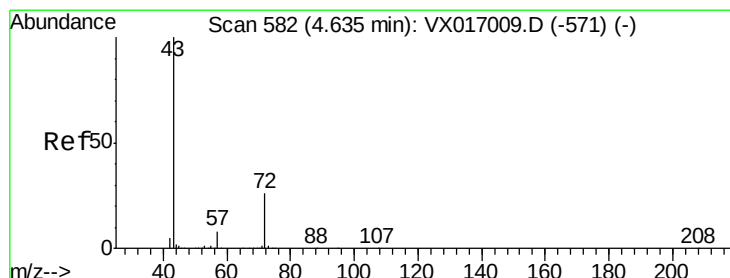
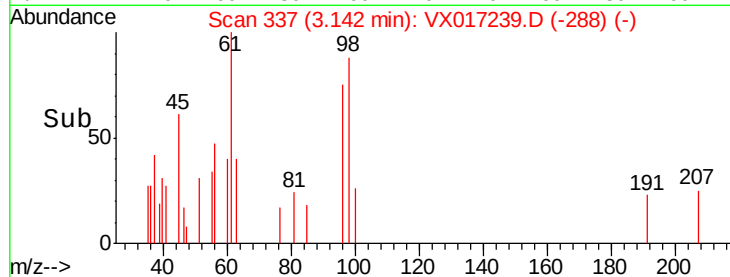
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#25

2-Butanone

Concen: 2.283 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX017239.D

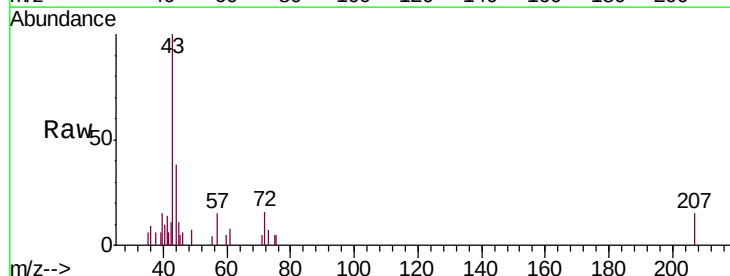
Acq: 08 Jul 2020 05:54

Tgt Ion: 43 Resp: 4449

Ion Ratio Lower Upper

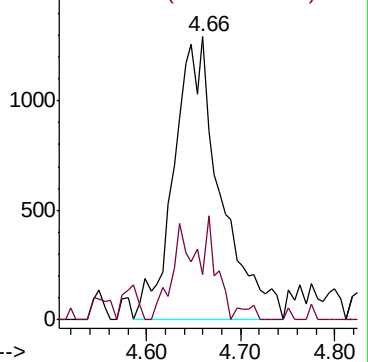
43 100

72 16.1 20.8 31.2#

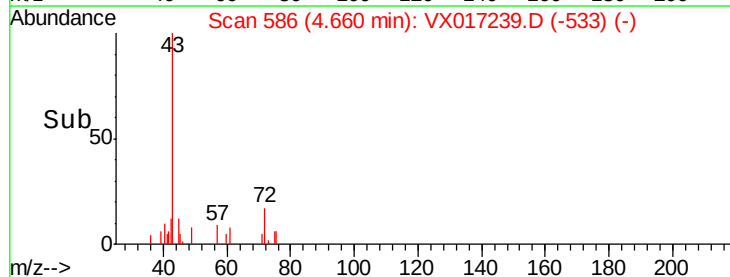


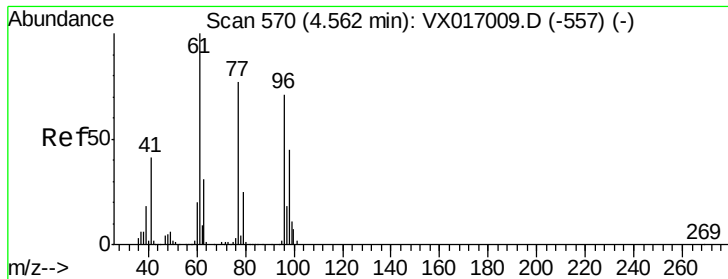
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



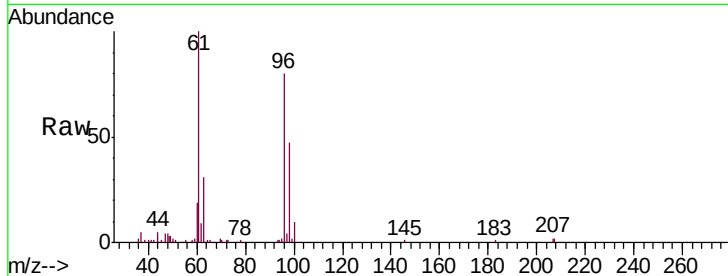


#27

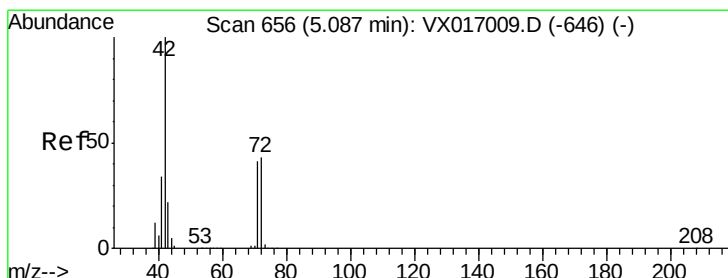
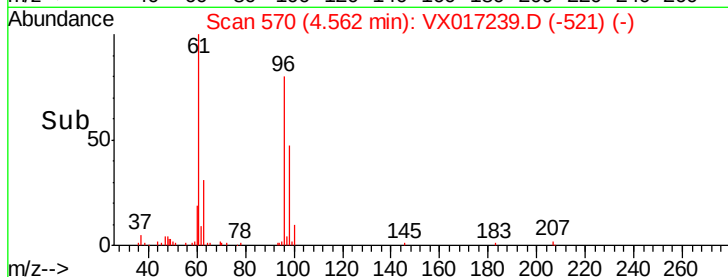
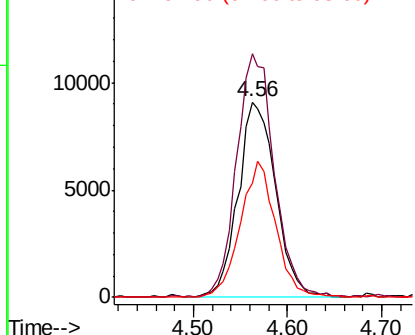
cis-1,2-Dichloroethene
Concen: 8.062 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX017239.D
Acq: 08 Jul 2020 05:54

Instrument :
MSVOA_X
ClientSampleId :
1007-MW-11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.3	0.0	282.8
98	65.6	0.0	127.6



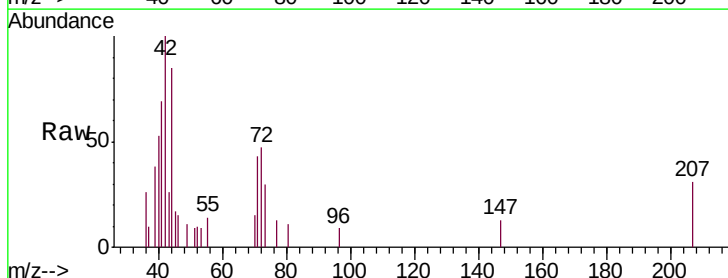
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



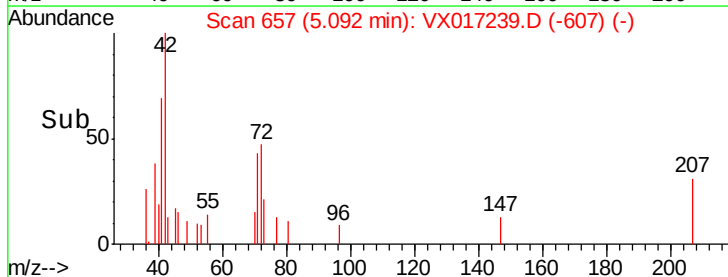
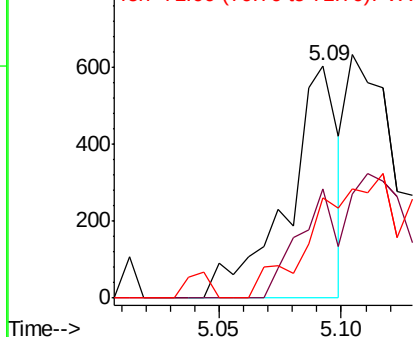
#29

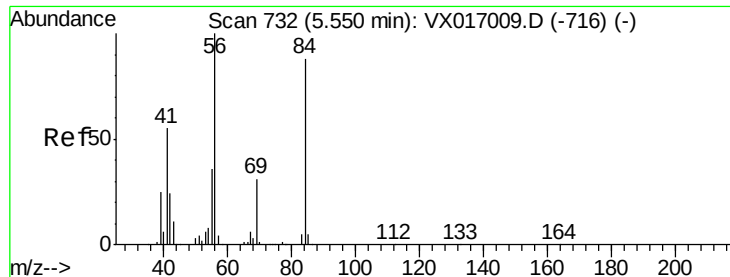
Tetrahydrofuran
Concen: 0.677 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX017239.D
Acq: 08 Jul 2020 05:54

Tgt Ion	Ratio	Lower	Upper
42	100		
72	34.7	35.3	52.9#
71	0.0	33.1	49.7#



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

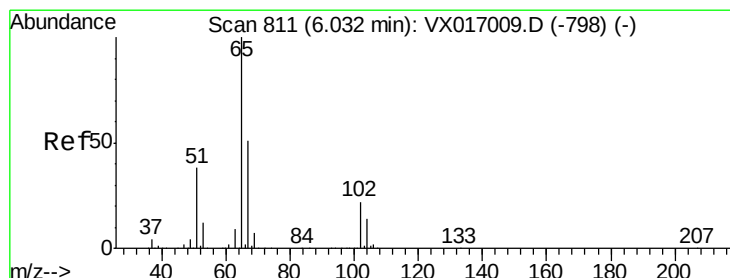
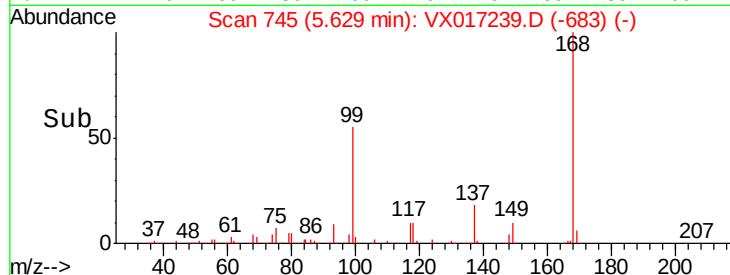
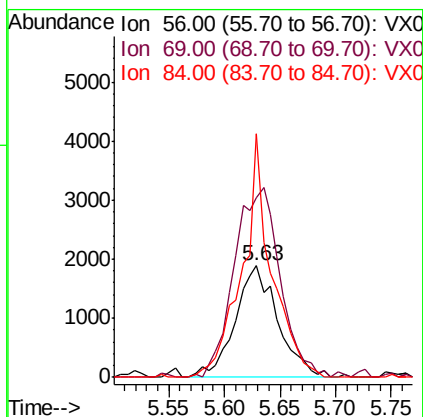
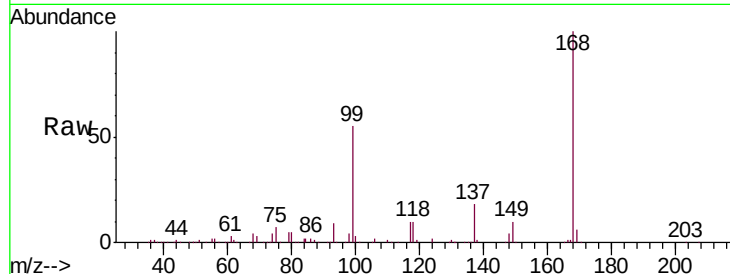




#31
Cyclohexane
Concen: 1.195 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017239.D
Acq: 08 Jul 2020 05:54

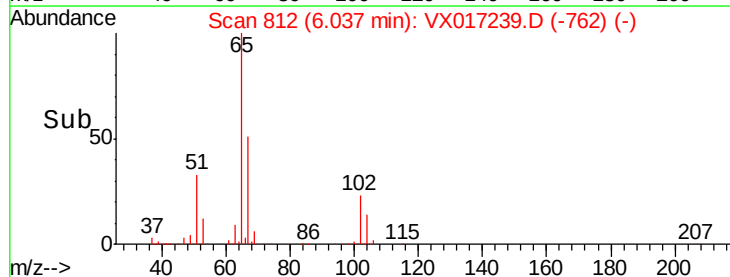
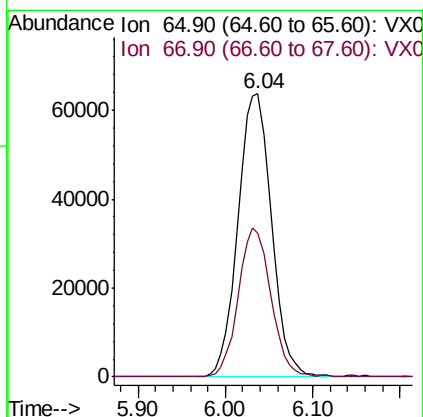
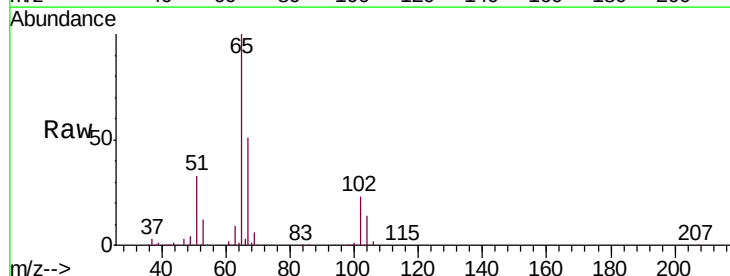
Instrument :
MSVOA_X
ClientSampled :
1007-MW-11

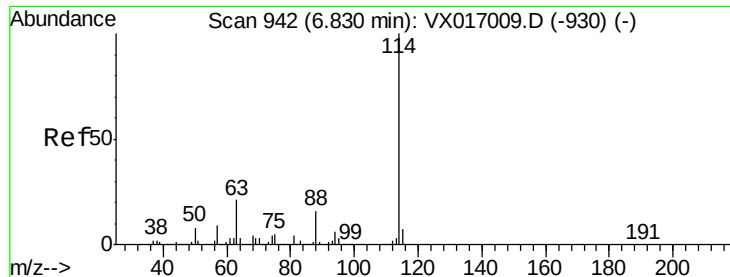
Tgt Ion: 56 Resp: 5043
Ion Ratio Lower Upper
56 100
69 161.2 25.0 37.4#
84 218.2 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 54.421 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX017239.D
Acq: 08 Jul 2020 05:54

Tgt Ion: 65 Resp: 170176
Ion Ratio Lower Upper
65 100
67 50.9 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: VX017239.D

Acq: 08 Jul 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

1007-MW-11

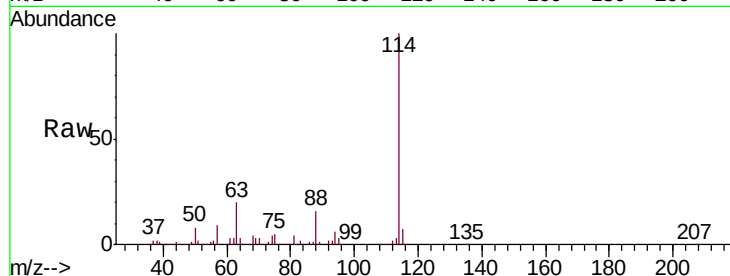
Tgt Ion:114 Resp: 429943

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

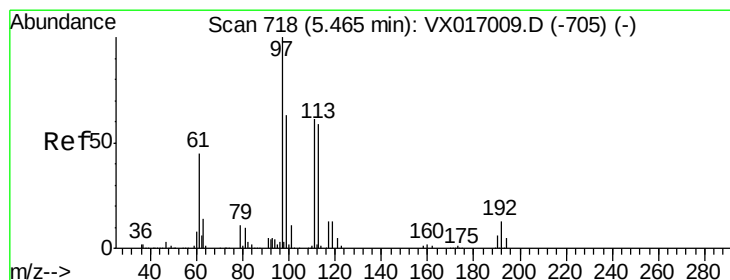
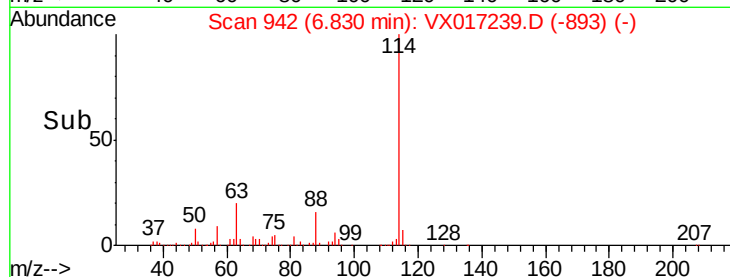
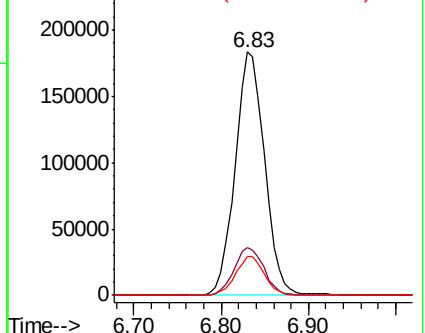
88 15.8 0.0 32.4



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: 54.776 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

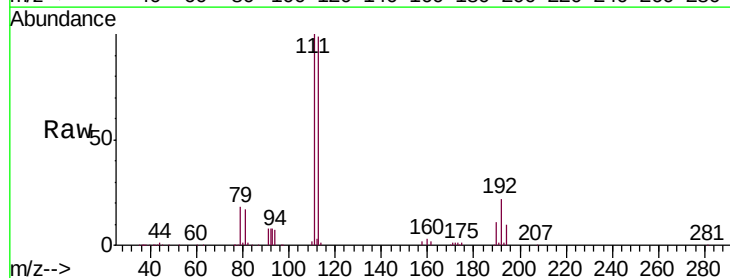
Tgt Ion:113 Resp: 148974

Ion Ratio Lower Upper

113 100

111 100.7 81.9 122.9

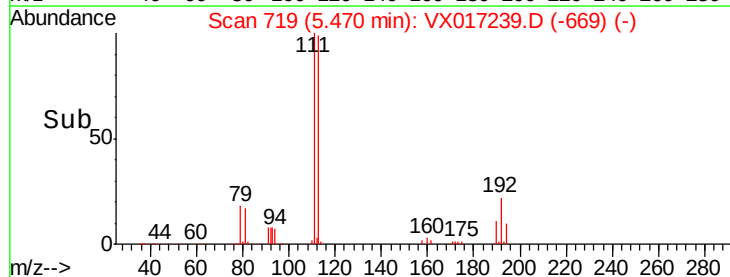
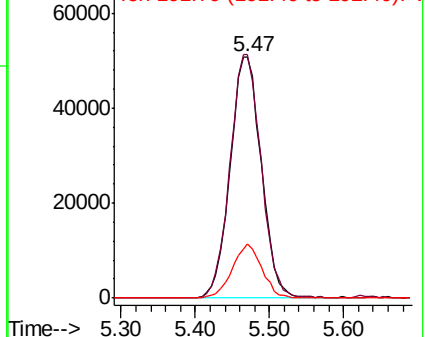
192 21.3 16.7 25.1

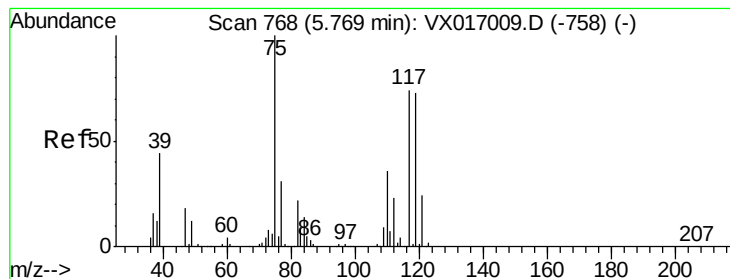


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.636 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

1007-MW-11

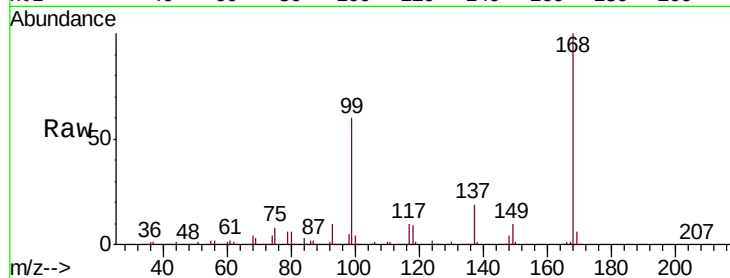
Tgt Ion: 75 Resp: 18839

Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.1#

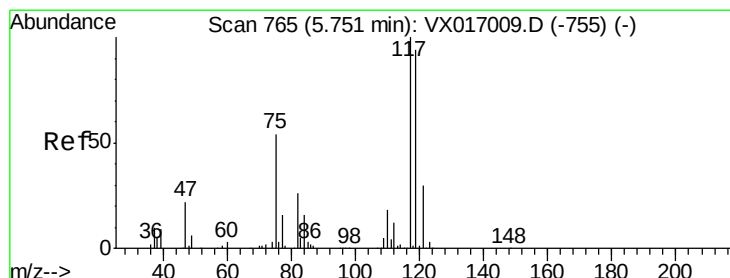
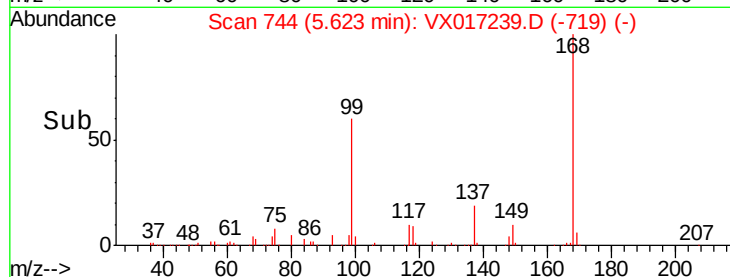
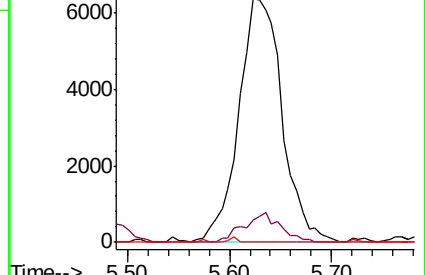
77 0.0 24.6 37.0#



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: 5.639 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

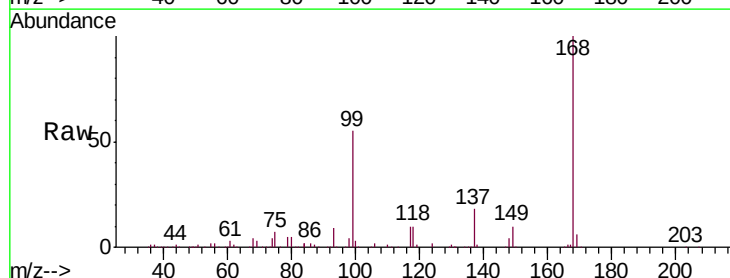
Tgt Ion: 117 Resp: 25239

Ion Ratio Lower Upper

117 100

119 5.8 75.4 113.0#

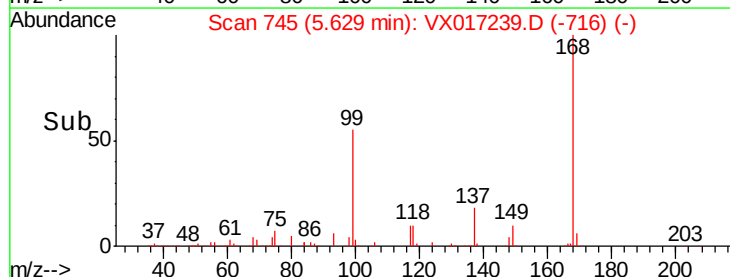
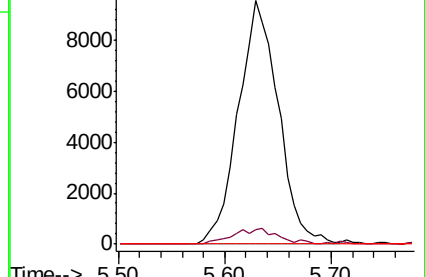
121 0.0 23.8 35.6#

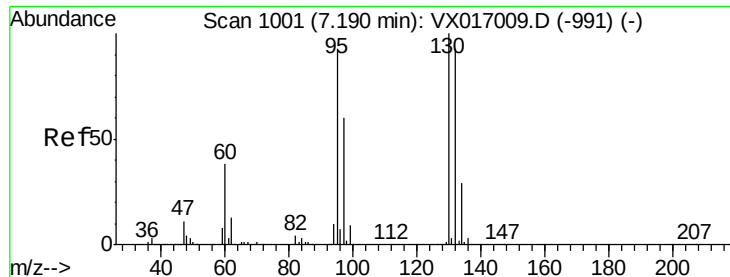


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 12.678 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

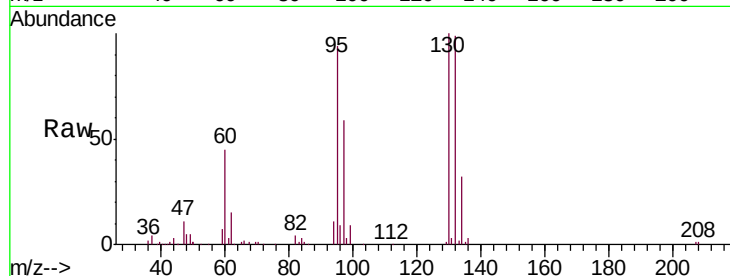
1007-MW-11

Tgt Ion:130 Resp: 42530

Ion Ratio Lower Upper

130 100

95 94.3 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

20000

15000

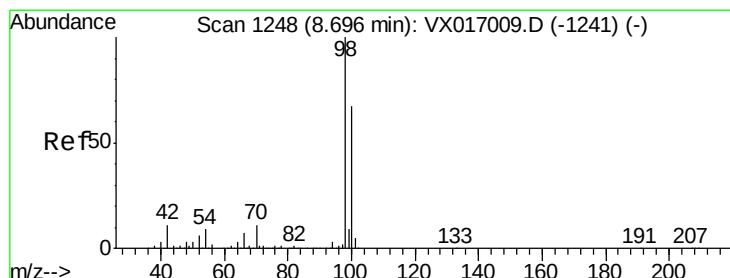
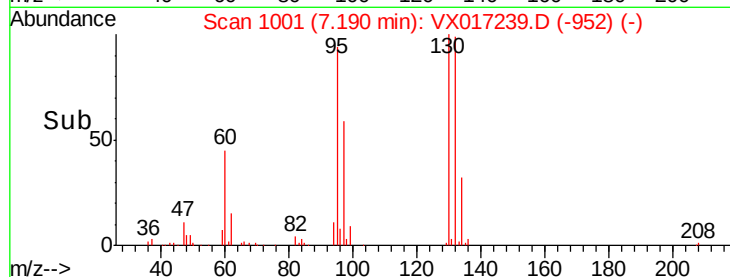
10000

5000

0

Time-->

7.10 7.15 7.20 7.25 7.30



#50

Toluene-d8

Concen: 52.862 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017239.D

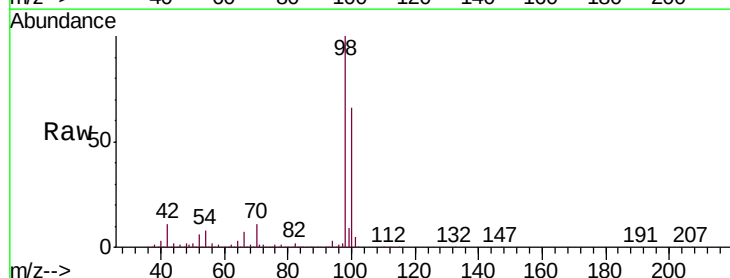
Acq: 08 Jul 2020 05:54

Tgt Ion: 98 Resp: 531621

Ion Ratio Lower Upper

98 100

100 65.2 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

400000

300000

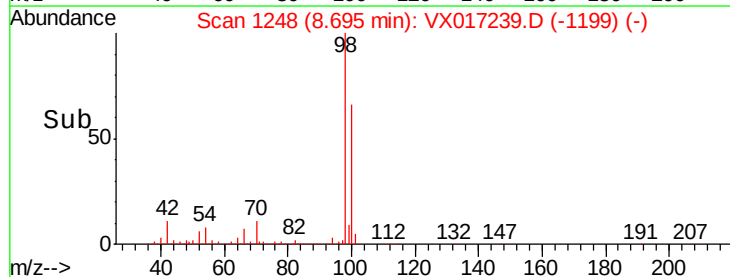
200000

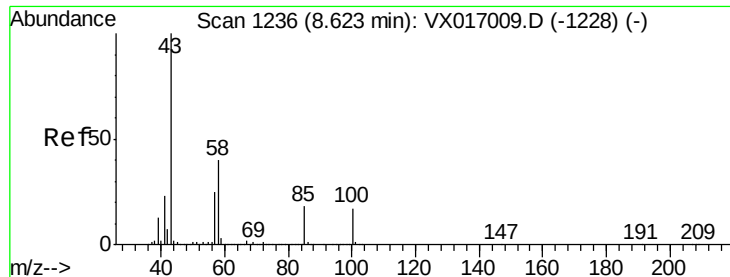
100000

0

Time-->

8.60 8.70 8.80

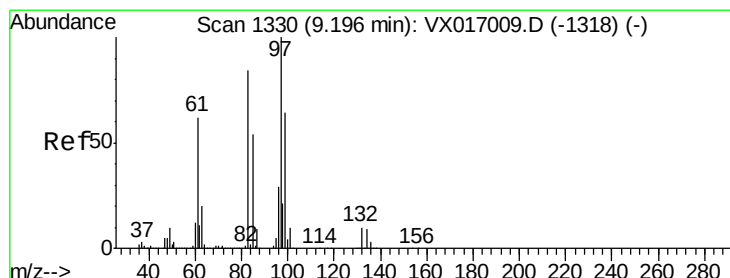
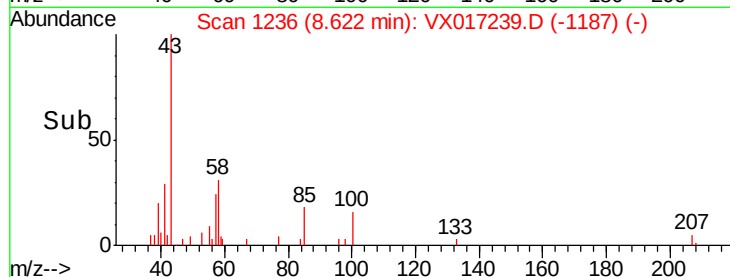
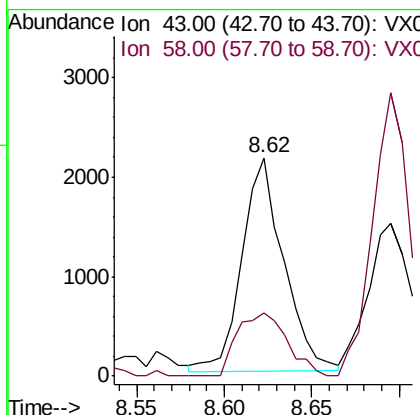
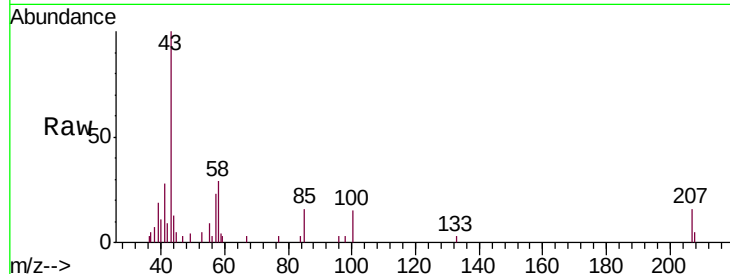




#51
 4-Methyl-2-Pentanone
 Concen: 0.877 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX017239.D
 Acq: 08 Jul 2020 05:54

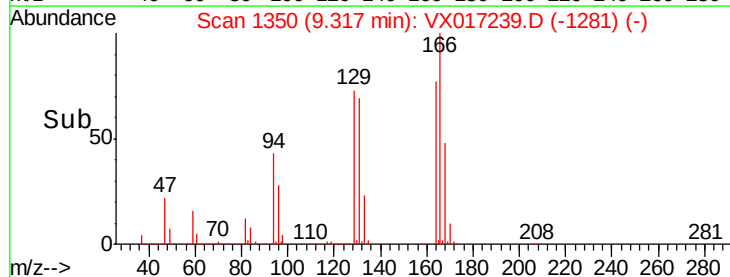
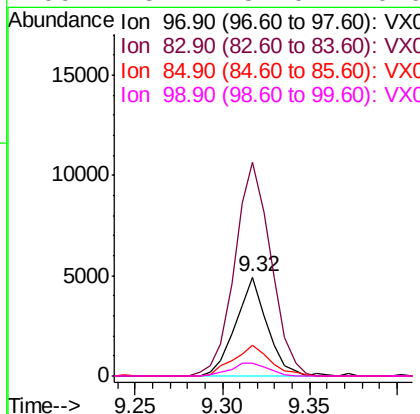
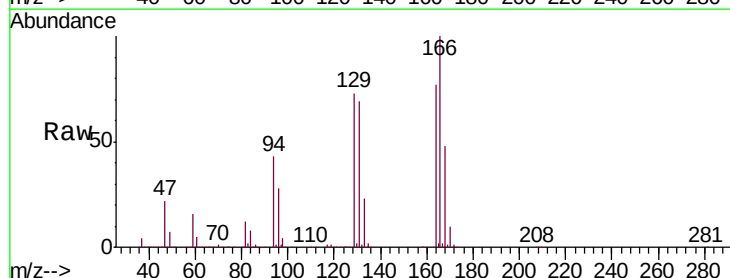
Instrument :
 MSVOA_X
 ClientSampleId :
 1007-MW-11

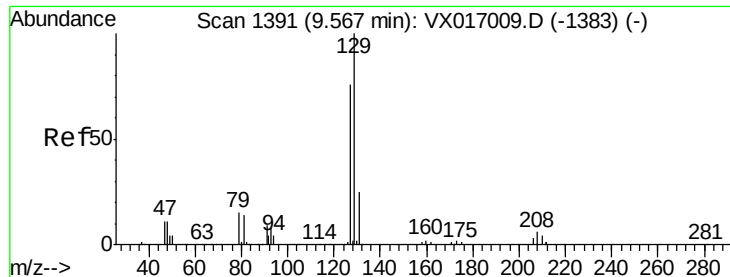
Tgt Ion: 43 Resp: 3581
 Ion Ratio Lower Upper
 43 100
 58 35.1 31.9 47.9



#55
 1,1,2-Trichloroethane
 Concen: 2.048 ug/l
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.12 min
 Lab File: VX017239.D
 Acq: 08 Jul 2020 05:54

Tgt Ion: 97 Resp: 6237
 Ion Ratio Lower Upper
 97 100
 83 215.9 67.0 100.6#
 85 31.6 43.5 65.3#
 99 13.1 51.0 76.6#





#60

Dibromochloromethane

Concen: 188.371 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

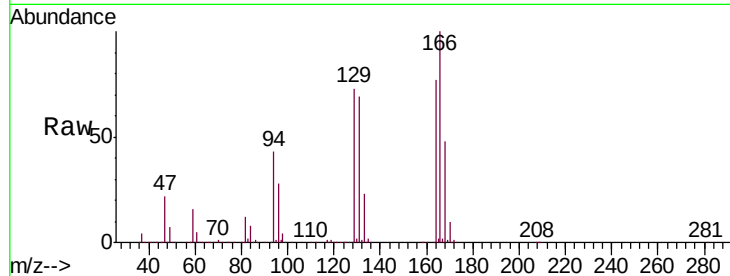
1007-MW-11

Tgt Ion:129 Resp: 666324

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

500000

400000

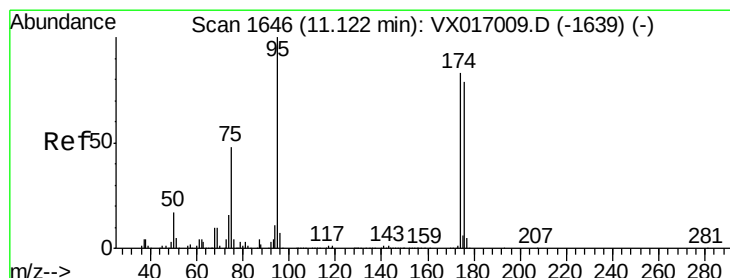
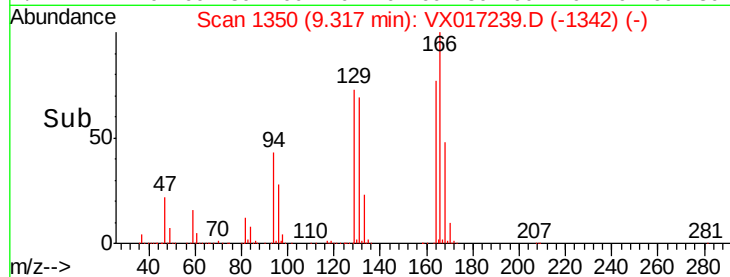
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.578 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

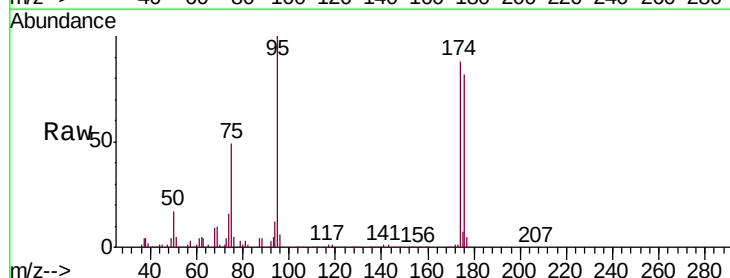
Tgt Ion: 95 Resp: 218498

Ion Ratio Lower Upper

95 100

174 86.3 0.0 164.0

176 81.9 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

250000

200000

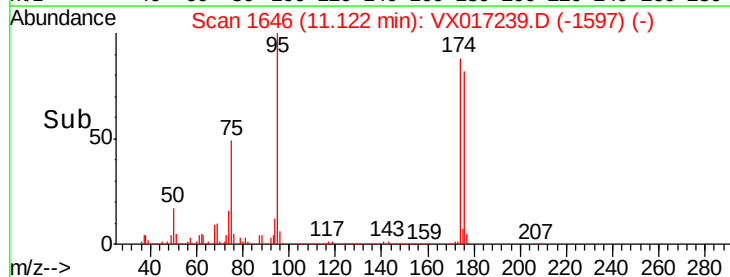
150000

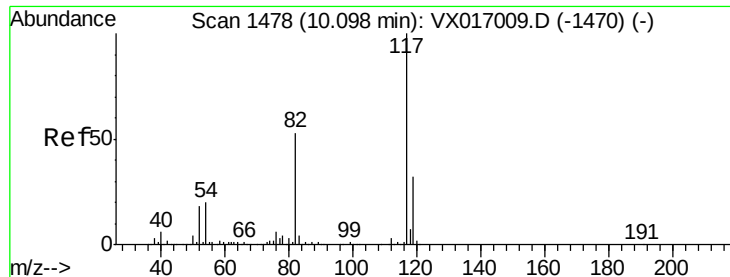
100000

50000

0

Time-->

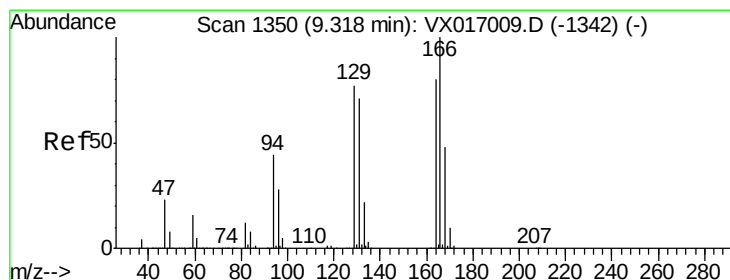
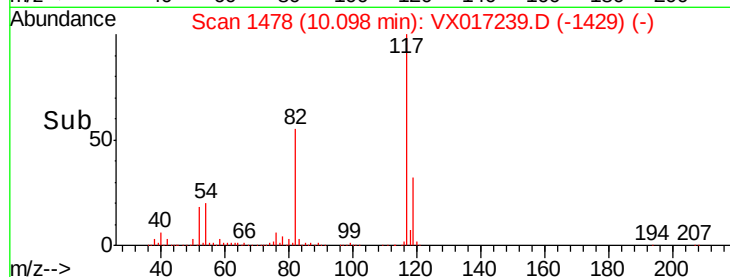
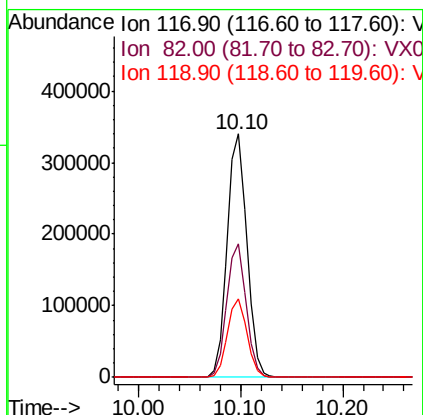
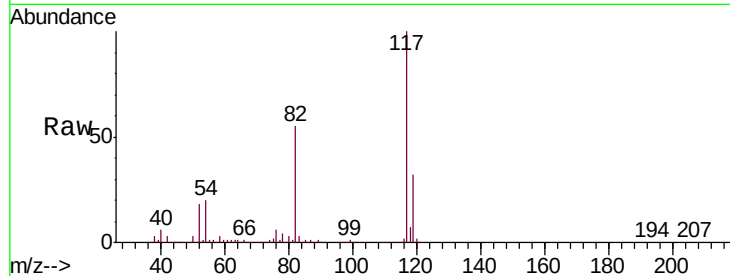




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017239.D
Acq: 08 Jul 2020 05:54

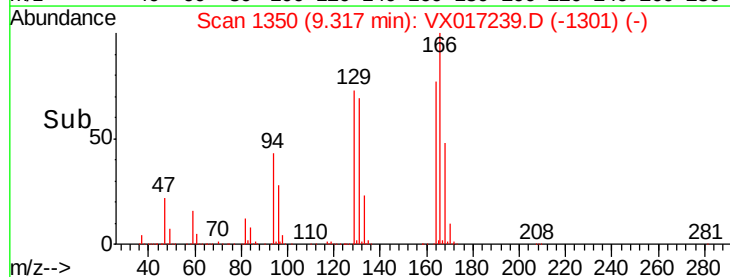
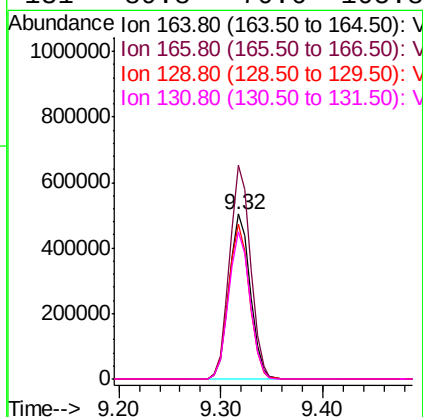
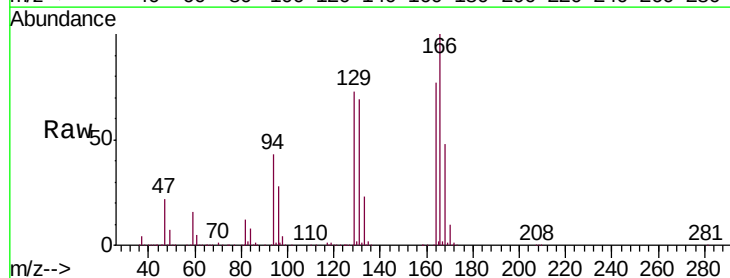
Instrument :
MSVOA_X
ClientSampleId :
1007-MW-11

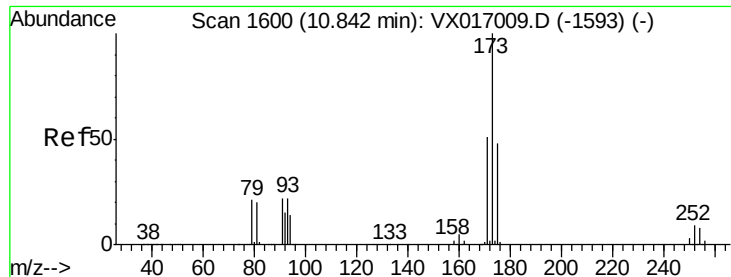
Tgt Ion:117 Resp: 453724
Ion Ratio Lower Upper
117 100
82 54.7 42.6 63.8
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 195.342 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017239.D
Acq: 08 Jul 2020 05:54

Tgt Ion:164 Resp: 715311
Ion Ratio Lower Upper
164 100
166 129.7 99.4 149.0
129 94.5 76.3 114.5
131 89.8 70.6 105.8





#71

Bromoform

Concen: 0.649 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

1007-MW-11

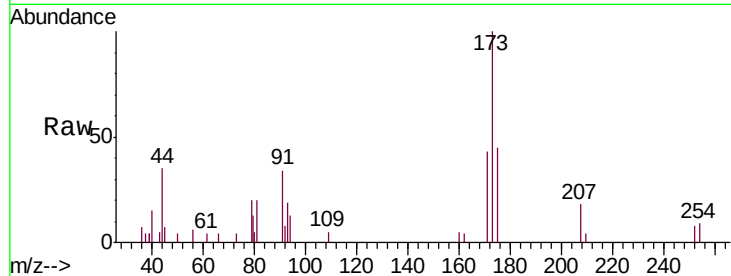
Tgt Ion:173 Resp: 1856

Ion Ratio Lower Upper

173 100

175 51.2 24.5 73.5

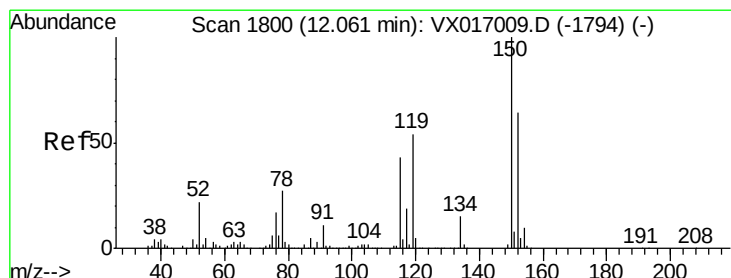
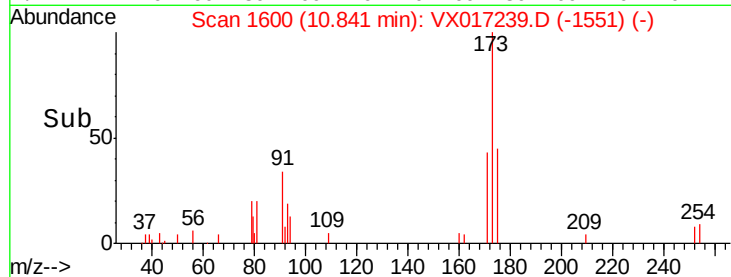
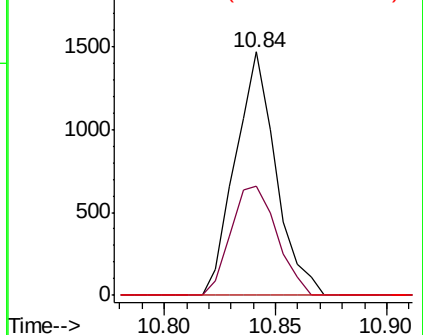
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX017239.D

Acq: 08 Jul 2020 05:54

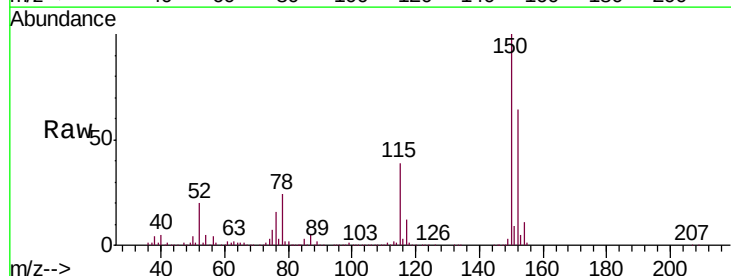
Tgt Ion:152 Resp: 239306

Ion Ratio Lower Upper

152 100

115 58.4 40.9 122.7

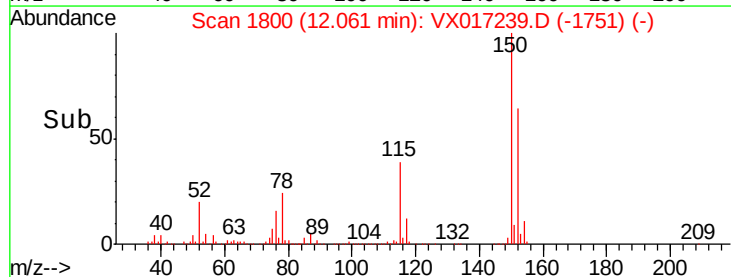
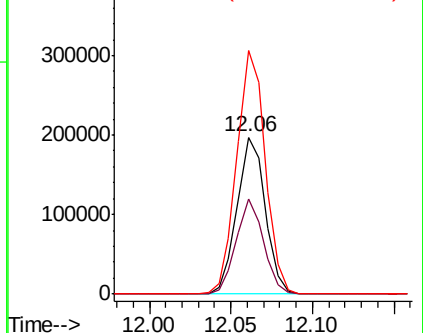
150 156.1 0.0 351.6

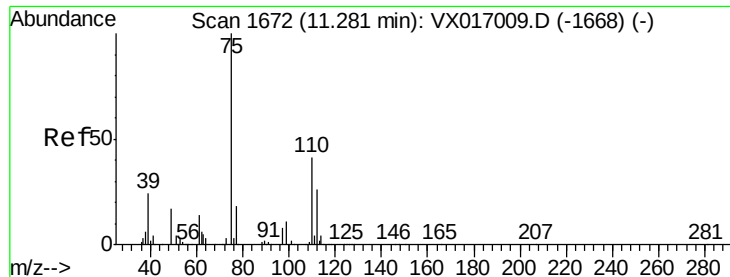


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.174 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

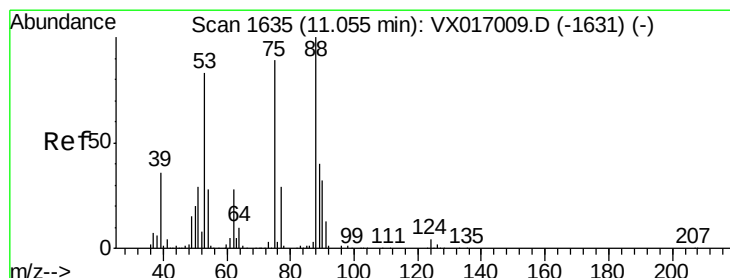
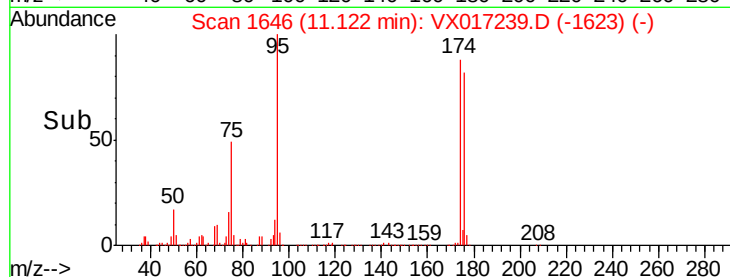
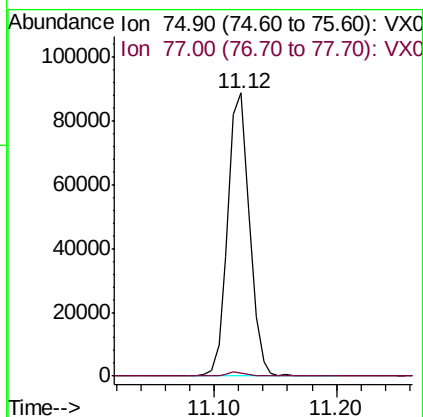
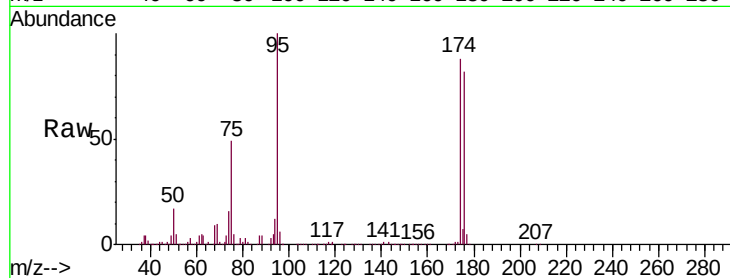
1007-MW-11

Tgt Ion: 75 Resp: 109053

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.013 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017239.D

Acq: 08 Jul 2020 05:54

Tgt Ion: 75 Resp: 109053

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

89 0.1 37.0 55.4#

