

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018499.D
 Acq On : 18 Sep 2020 17:48
 Operator : JC/SP
 Sample : L4058-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2R

Quant Time: Sep 19 01:58:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	571937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	934121	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	864797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	434797	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	377003	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
35) Dibromofluoromethane	5.47	113	304199	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
50) Toluene-d8	8.70	98	1122254	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.12	95	430584	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

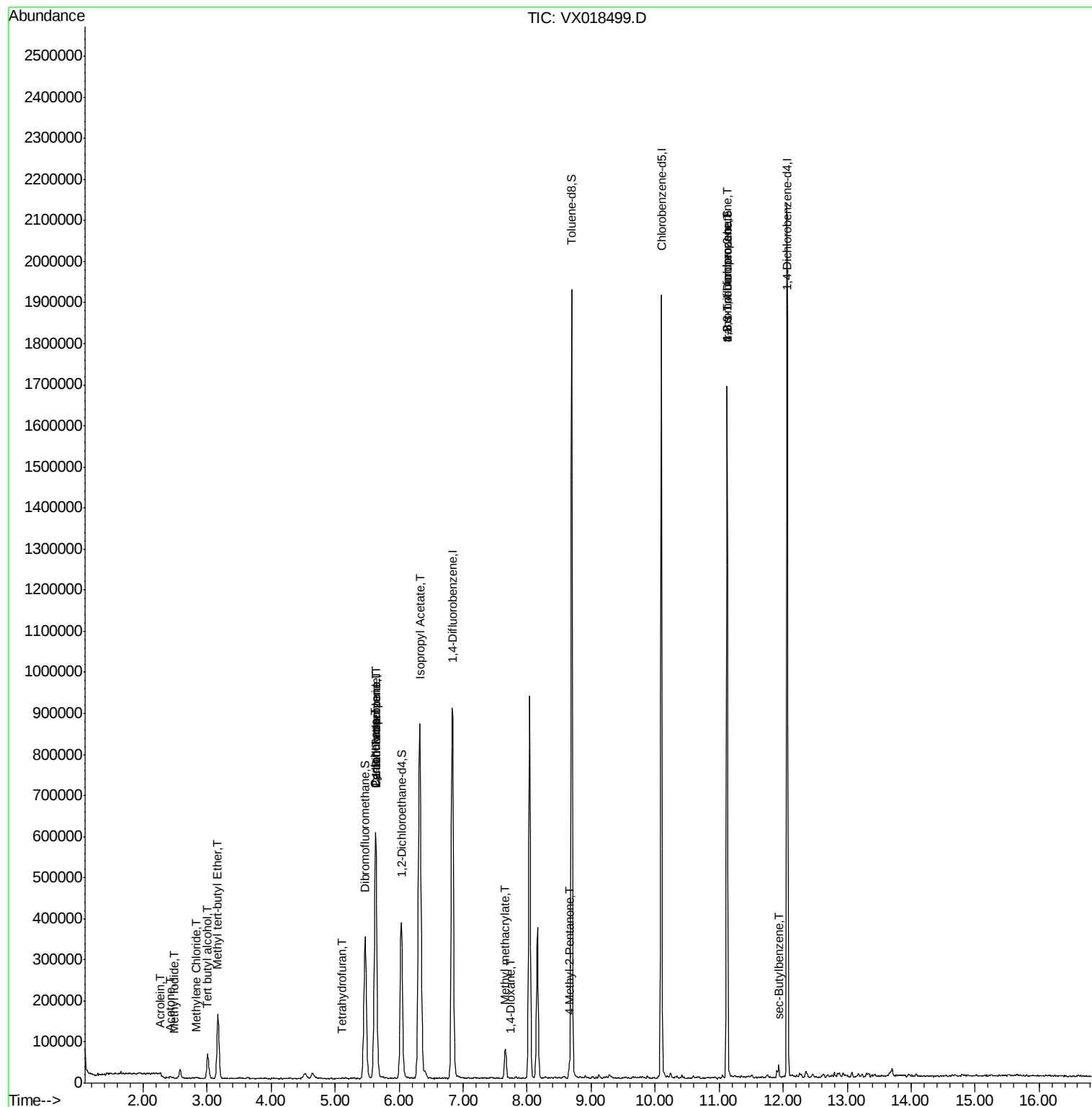
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.48	142	311	4.956	ug/l #	46
11) Tert butyl alcohol	3.01	59	73132	51.948	ug/l	95
13) Acrolein	2.27	56	612	0.687	ug/l #	56
16) Acetone	2.42	43	2967	0.959	ug/l	92
19) Methyl tert-butyl Ether	3.17	73	177996	9.155	ug/l	99
20) Methylene Chloride	2.84	84	1995	0.292	ug/l #	49
29) Tetrahydrofuran	5.10	42	2021	0.665	ug/l	95
31) Cyclohexane	5.62	56	12542	1.281	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	42080	4.641	ug/l #	54
38) Carbon Tetrachloride	5.63	117	57526	5.729	ug/l #	21
43) Isopropyl Acetate	6.32	43	206190	12.834	ug/l #	62
48) Methyl methacrylate	7.66	41	20187	2.581	ug/l #	43
49) 1,4-Dioxane	7.73	88	69	0.534	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	4615	0.482	ug/l #	36
76) 1,2,3-Trichloropropane	11.12	75	210671	23.057	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	210671	59.083	ug/l #	12
85) sec-Butylbenzene	11.93	105	13899	0.488	ug/l	94

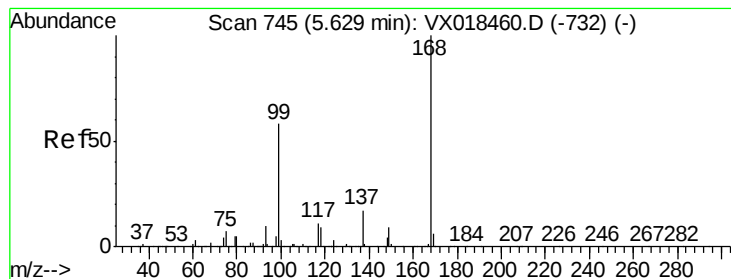
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018499.D

Acq: 18 Sep 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

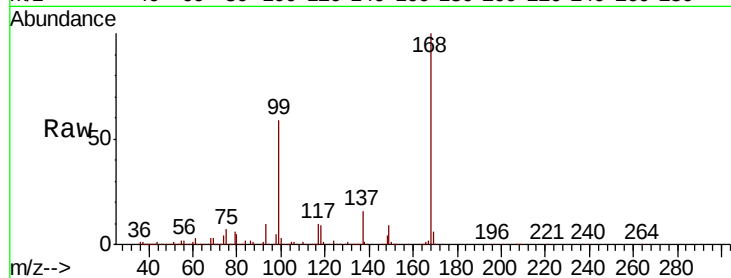
MW-2R

Tot Ion:168 Resp: 571937

Ion Ratio Lower Upper

168 100

99 59.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

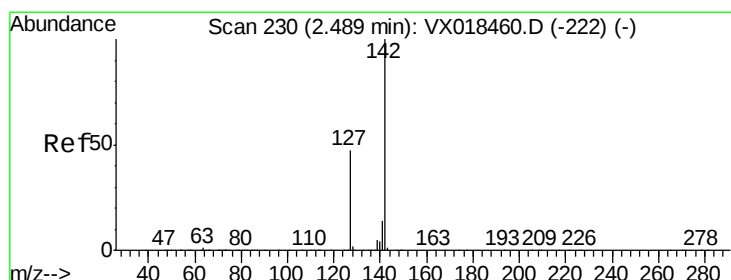
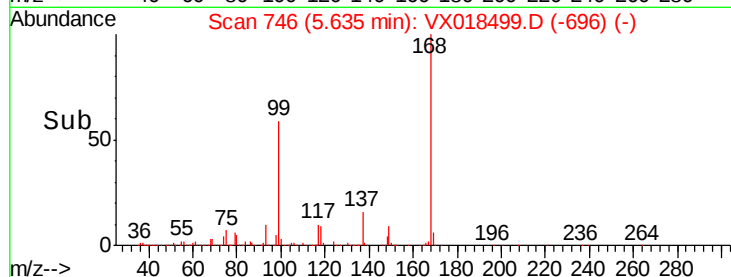
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 4.956 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX018499.D

Acq: 18 Sep 2020 17:48

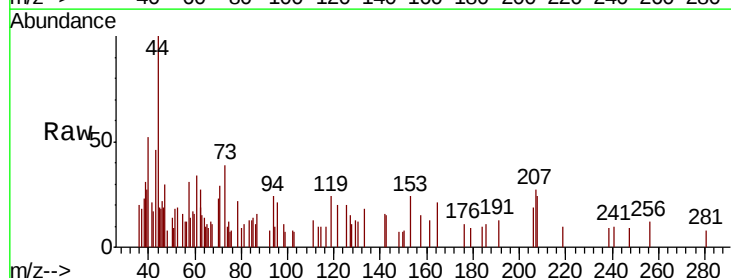
Tgt Ion:142 Resp: 311

Ion Ratio Lower Upper

142 100

127 0.0 36.0 54.0#

141 11.9 11.9 17.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

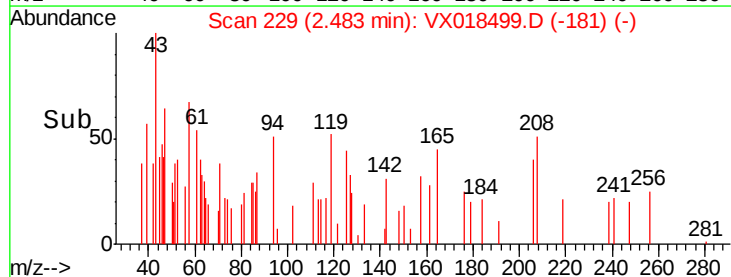
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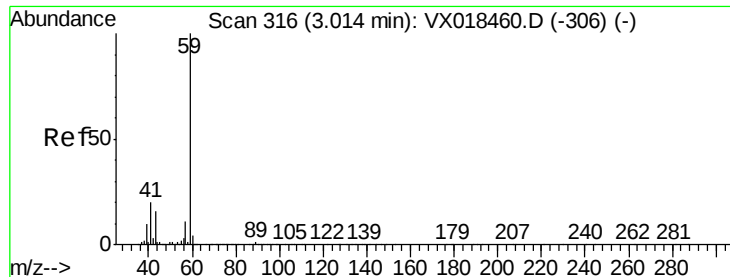
200

100

0

Time-->



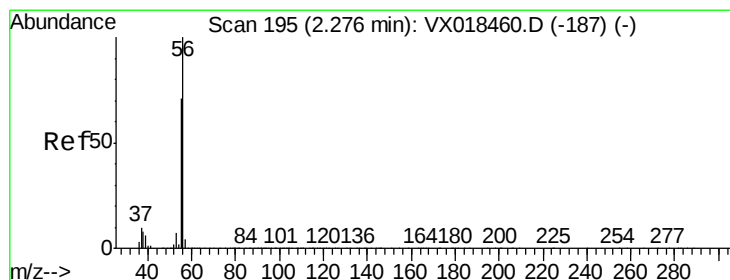
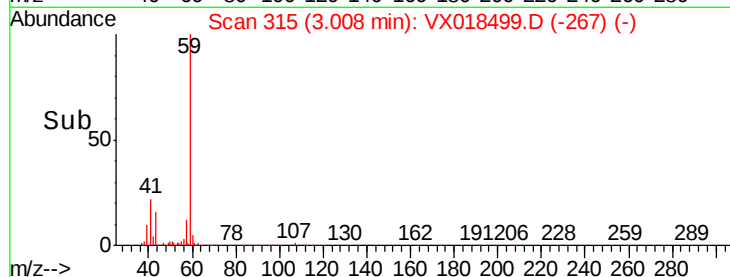
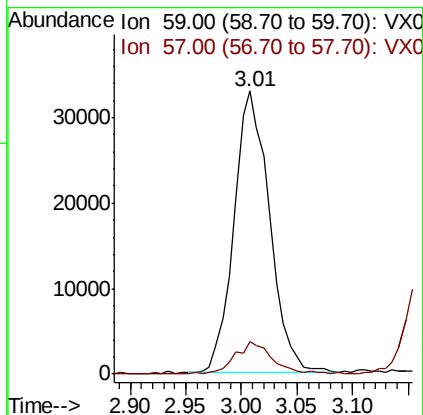
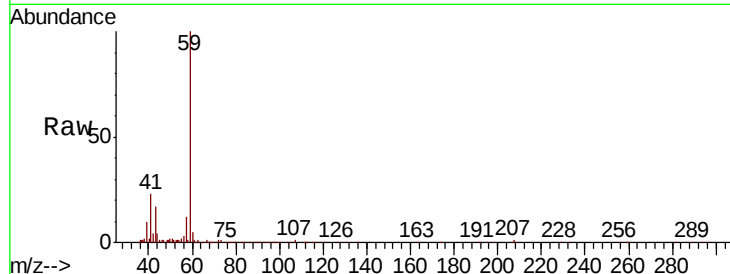


#11

Tert butyl alcohol
 Concen: 51.948 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX018499.D
 Acq: 18 Sep 2020 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2R

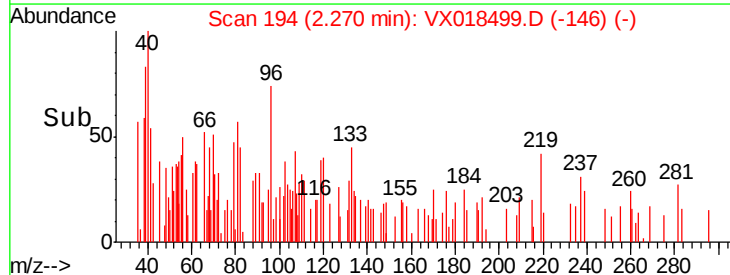
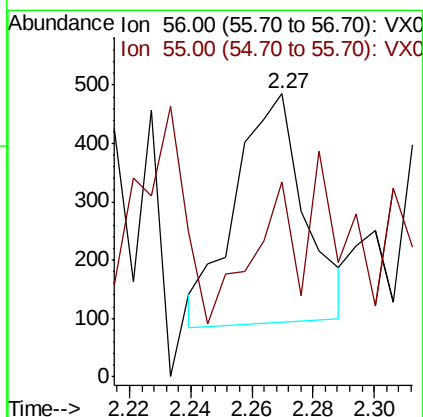
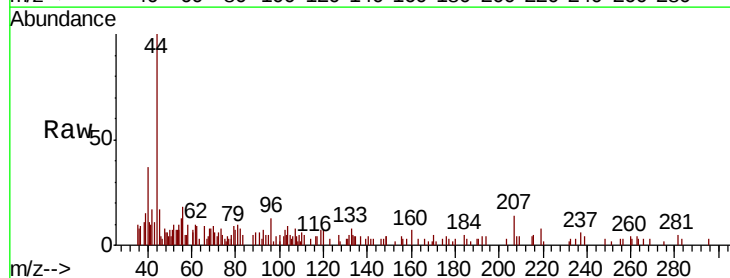
Tot Ion: 59 Resp: 73132
 Ion Ratio Lower Upper
 59 100
 57 12.3 8.2 12.4

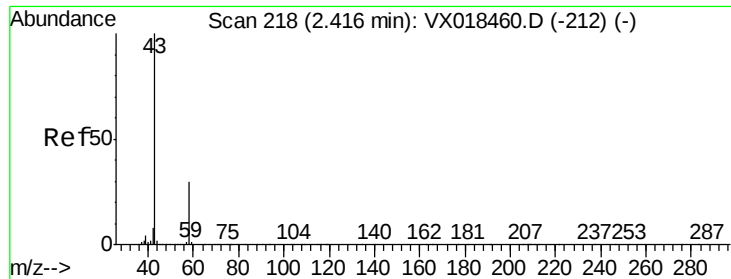


#13

Acrolein
 Concen: 0.687 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX018499.D
 Acq: 18 Sep 2020 17:48

Tgt Ion: 56 Resp: 612
 Ion Ratio Lower Upper
 56 100
 55 36.3 58.2 87.4#

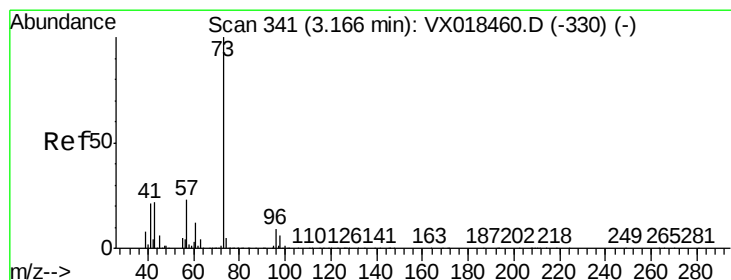
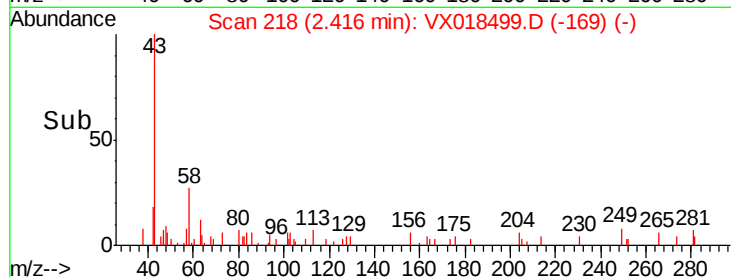
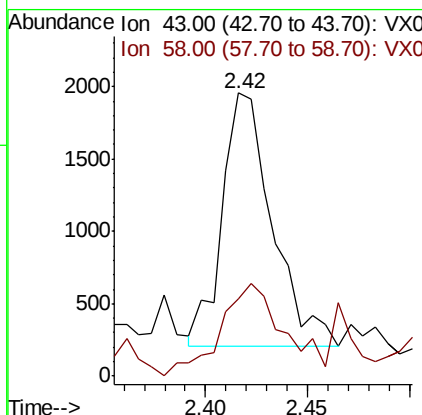
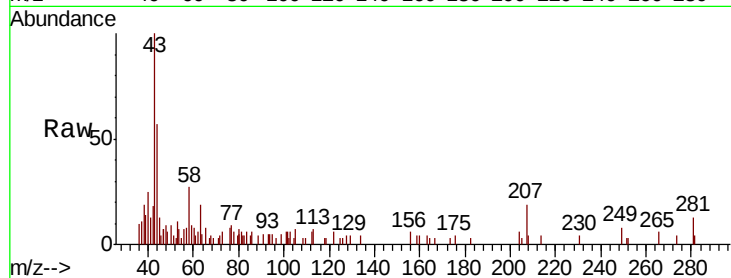




#16
Acetone
Concen: 0.959 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX018499.D
Acq: 18 Sep 2020 17:48

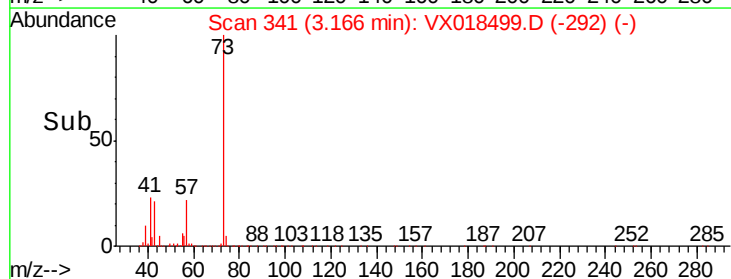
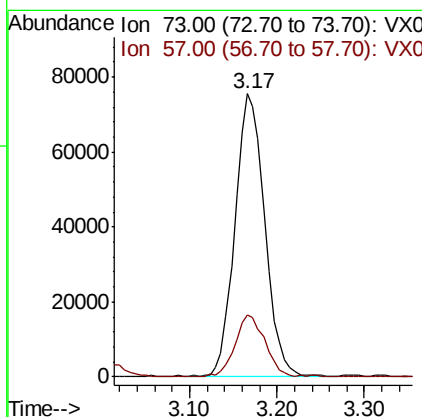
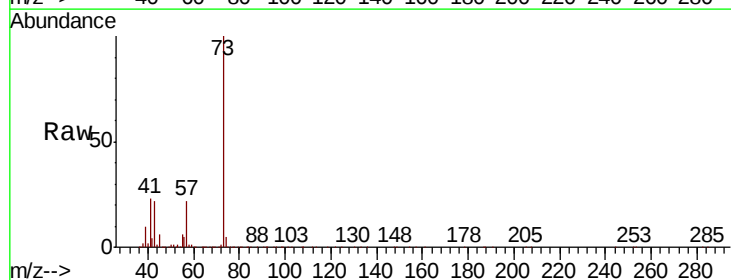
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

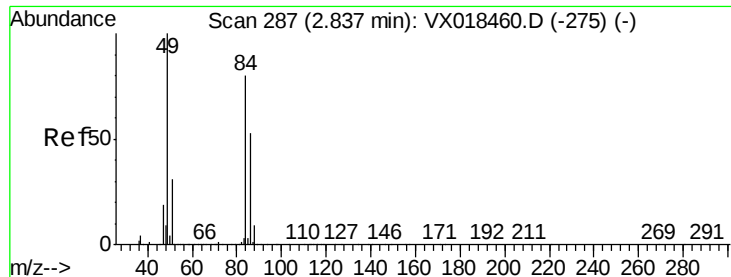
Tot Ion: 43 Resp: 2967
Ion Ratio Lower Upper
43 100
58 25.4 24.0 36.0



#19
Methyl tert-butyl Ether
Concen: 9.155 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018499.D
Acq: 18 Sep 2020 17:48

Tgt Ion: 73 Resp: 177996
Ion Ratio Lower Upper
73 100
57 21.8 18.0 27.0

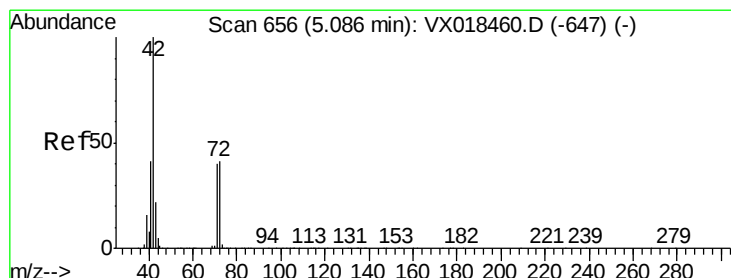
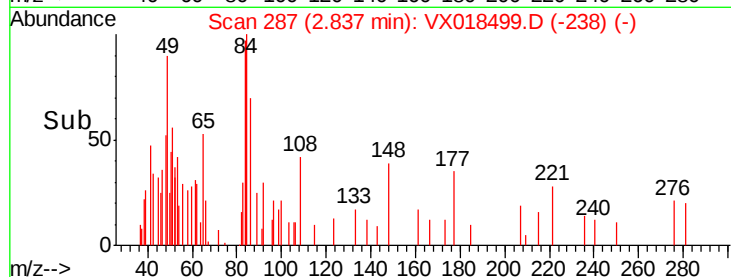
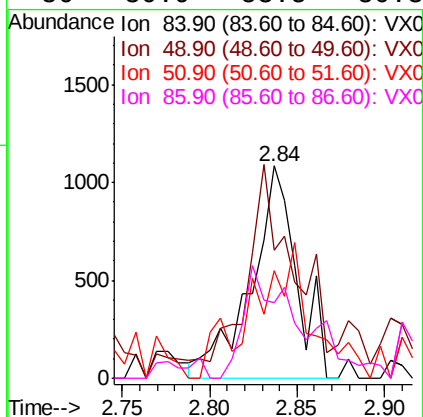
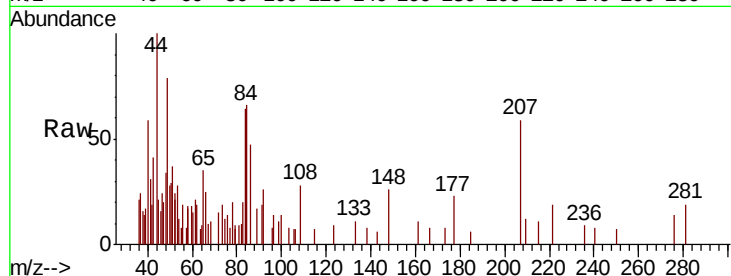




#20
Methvlene Chloride
Concen: 0.292 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018499.D
Acq: 18 Sep 2020 17:48

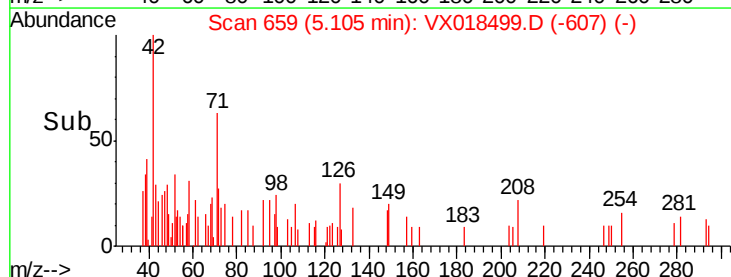
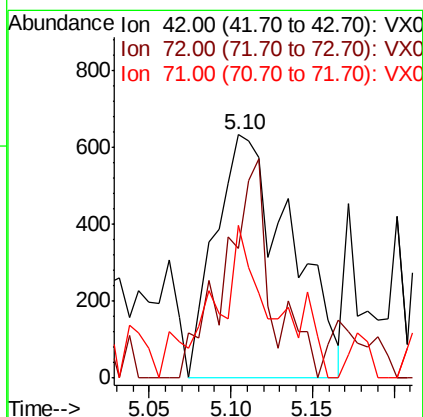
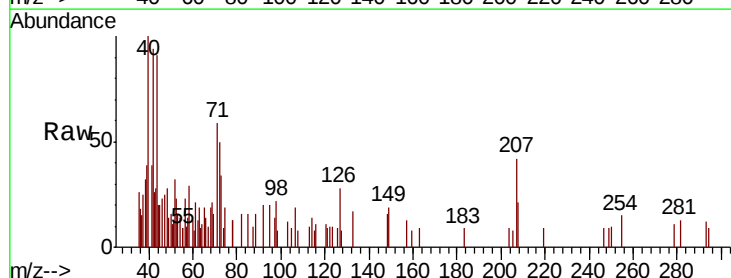
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

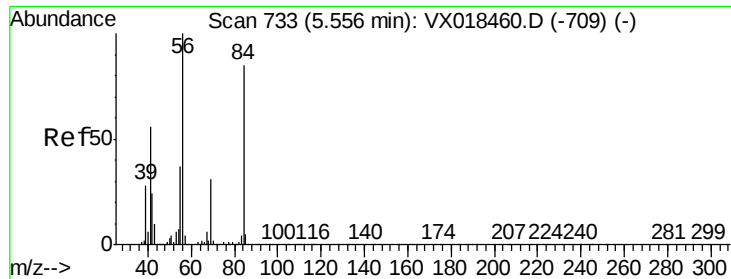
Tot Ion:	84	Resp:	1995
Ion	Ratio	Lower	Upper
84	100		
49	52.0	100.6	151.0#
51	50.6	30.9	46.3#
86	30.9	53.5	80.3#



#29
Tetrahydrofuran
Concen: 0.665 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX018499.D
Acq: 18 Sep 2020 17:48

Tgt Ion:	42	Resp:	2021
Ion	Ratio	Lower	Upper
42	100		
72	48.3	34.3	51.5
71	39.6	32.1	48.1

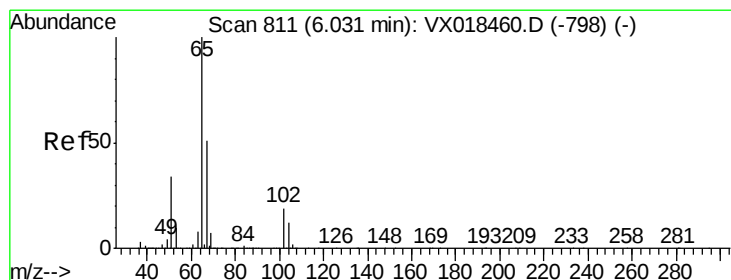
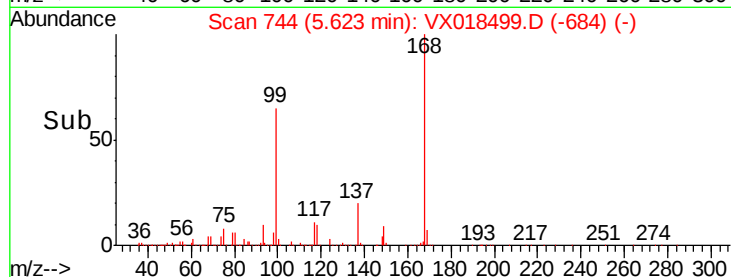
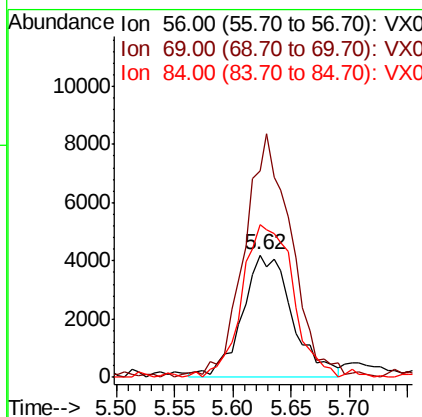
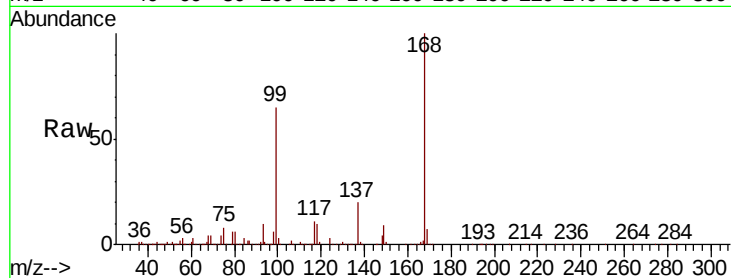




#31
Cyclohexane
Concen: 1.281 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX018499.D
Acq: 18 Sep 2020 17:48

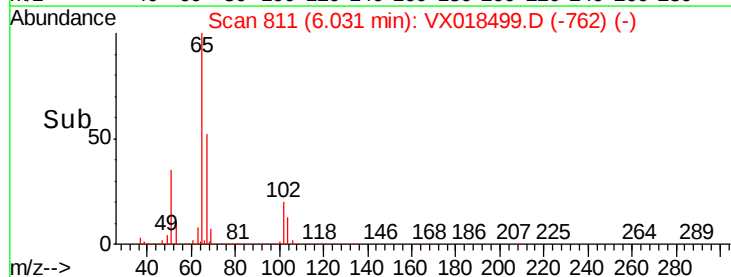
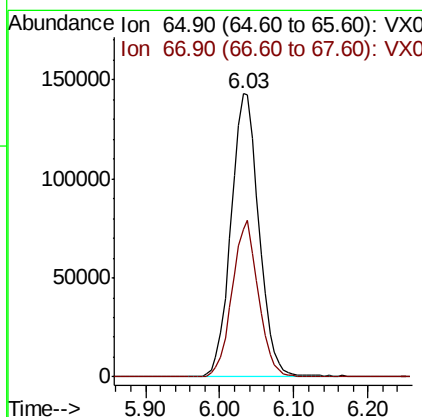
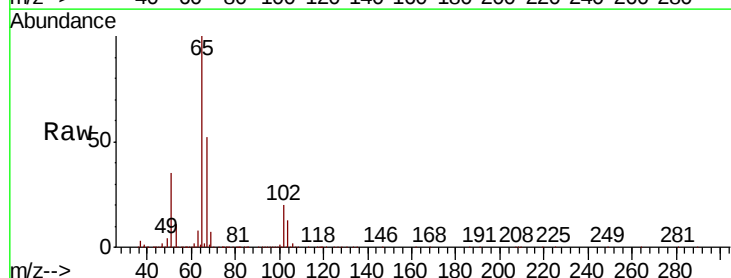
Instrument :
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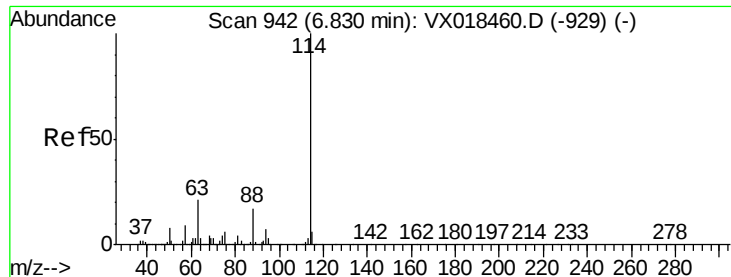
Tot Ion: 56 Resp: 12542
Ion Ratio Lower Upper
56 100
69 171.1 24.8 37.2#
84 129.8 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 46.596 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX018499.D
Acq: 18 Sep 2020 17:48

Tgt Ion: 65 Resp: 377003
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX018499.D

Acq: 18 Sep 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

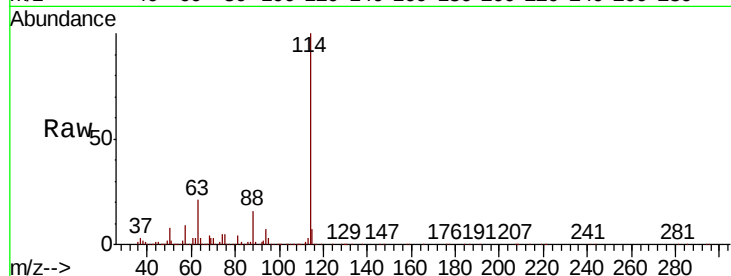
Tot Ion:114 Resp: 934121

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

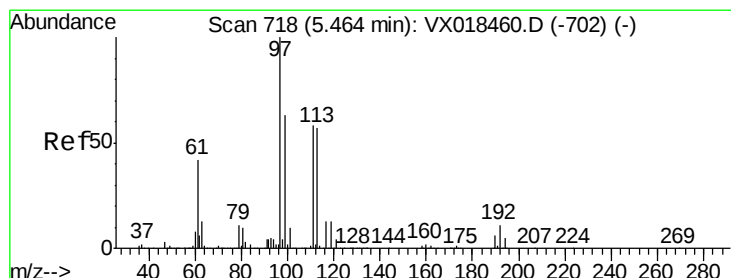
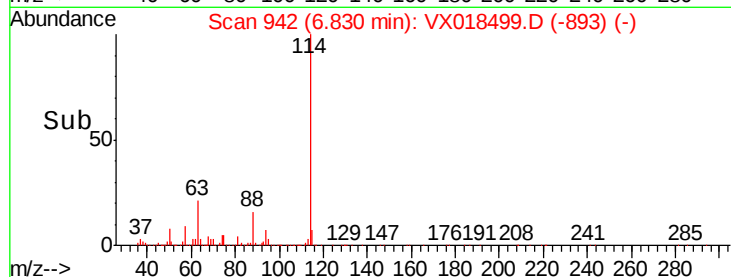
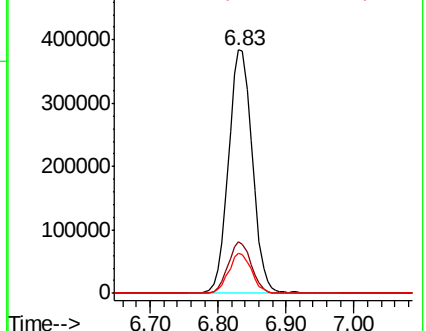
88 16.3 0.0 33.6



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: 47.106 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018499.D

Acq: 18 Sep 2020 17:48

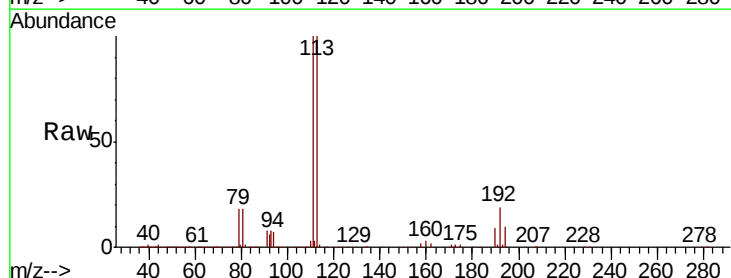
Tgt Ion:113 Resp: 304199

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.2

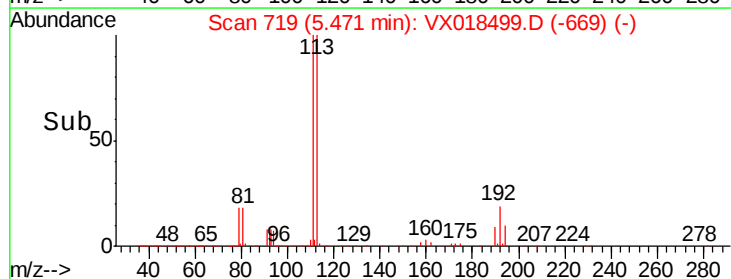
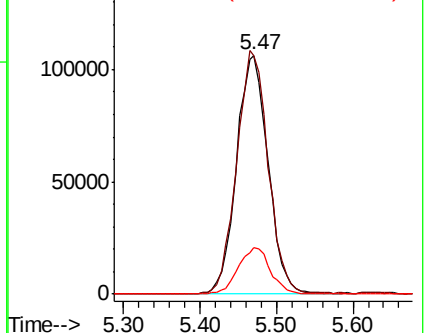
192 19.8 16.6 24.8

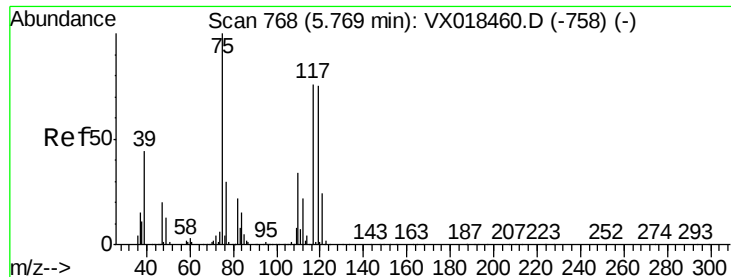


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

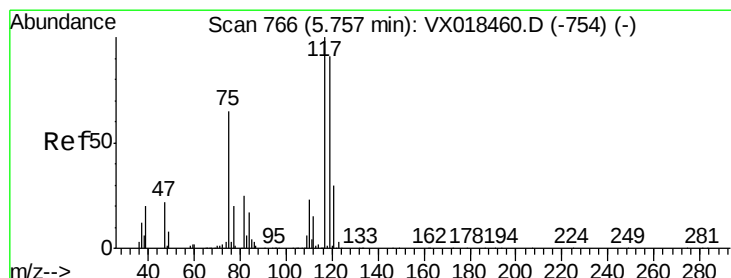
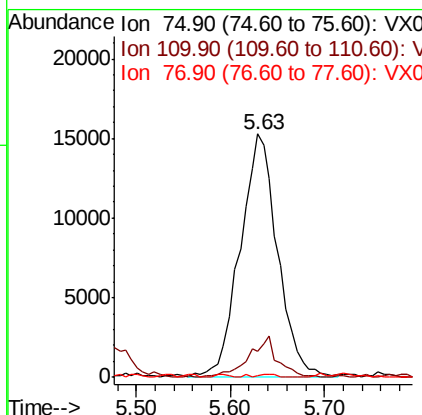
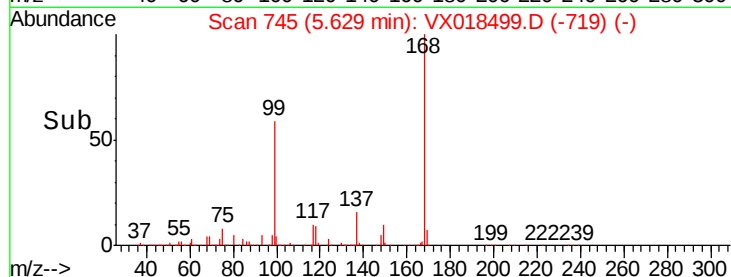
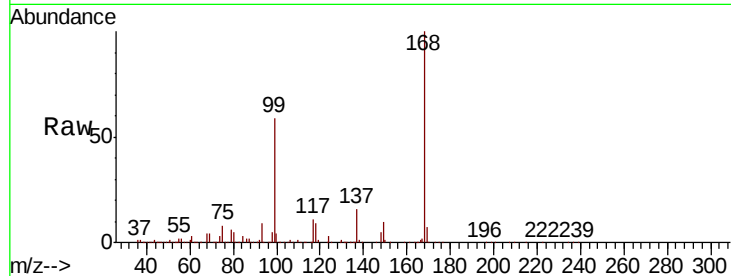




#36
 1,1-Dichloropropene
 Concen: 4.641 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018499.D
 Acq: 18 Sep 2020 17:48

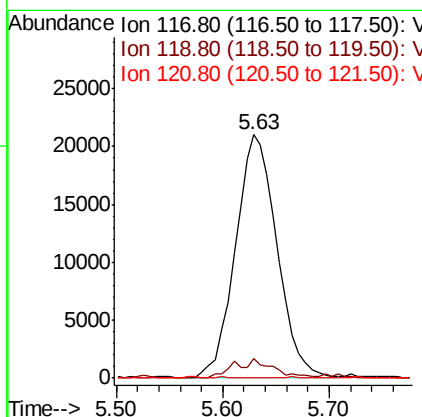
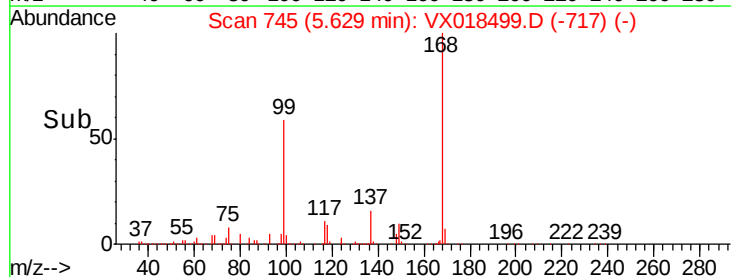
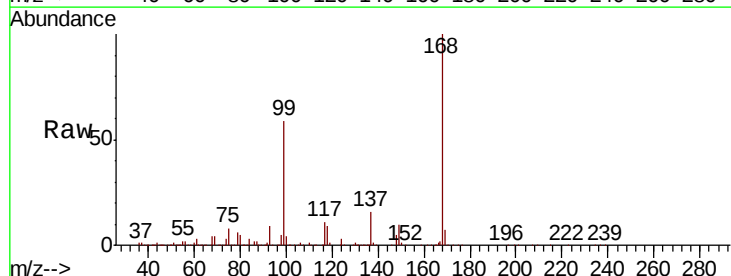
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2R

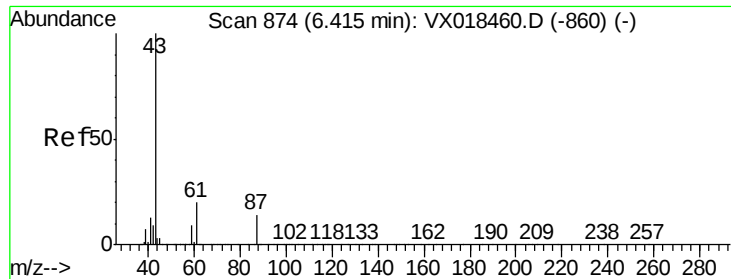
Tot Ion	Ratio	Lower	Upper
75	100		
110	13.2	17.6	52.8#
77	0.5	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.729 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX018499.D
 Acq: 18 Sep 2020 17:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.8	72.3	108.5#
121	0.0	23.8	35.8#



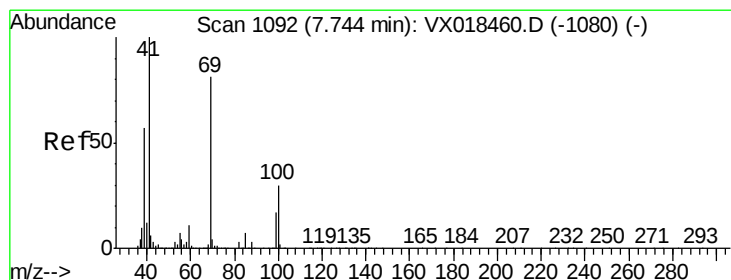
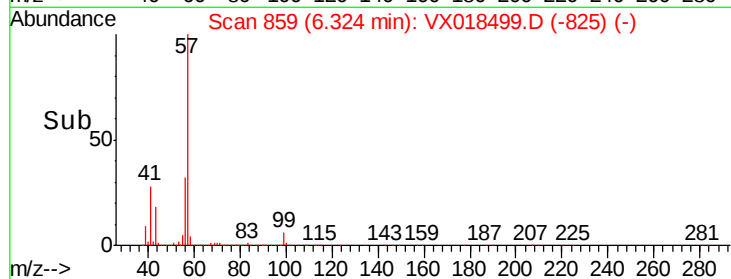
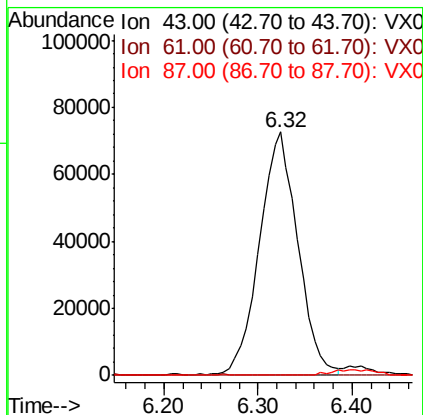
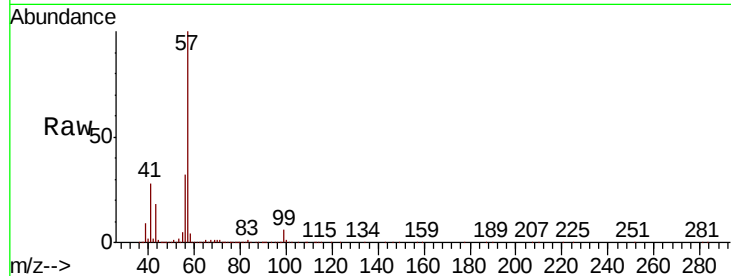


#43

Isopropyl Acetate
 Concen: 12.834 ug/l
 RT: 6.32 min Scan# 859
 Delta R.T. -0.09 min
 Lab File: VX018499.D
 Acq: 18 Sep 2020 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2R

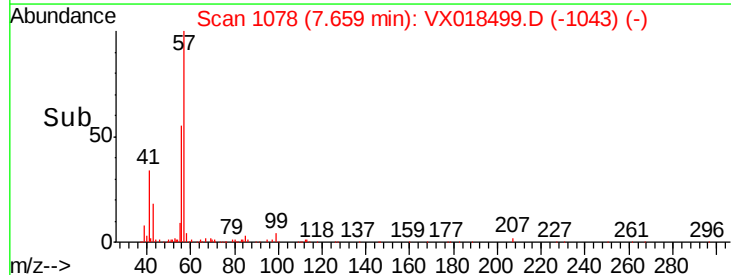
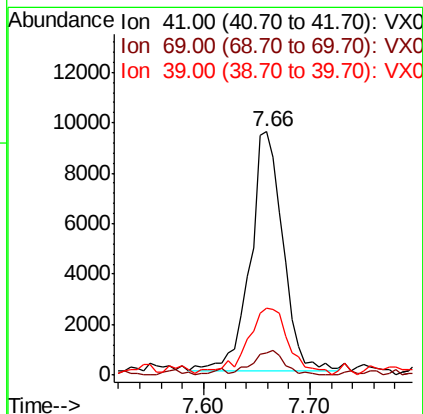
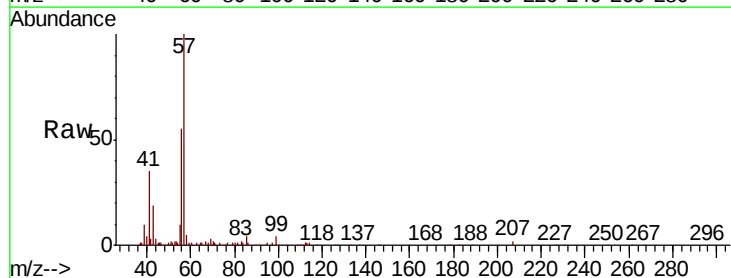
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.3	15.7	23.5#
87	0.0	10.4	15.6#

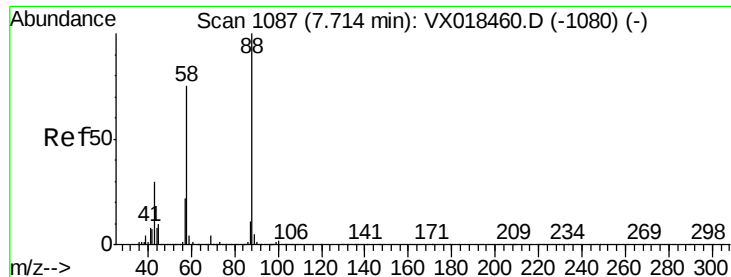


#48

Methyl methacrylate
 Concen: 2.581 ug/l
 RT: 7.66 min Scan# 1078
 Delta R.T. -0.09 min
 Lab File: VX018499.D
 Acq: 18 Sep 2020 17:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	10.1	63.7	95.5#
39	36.6	45.0	67.4#

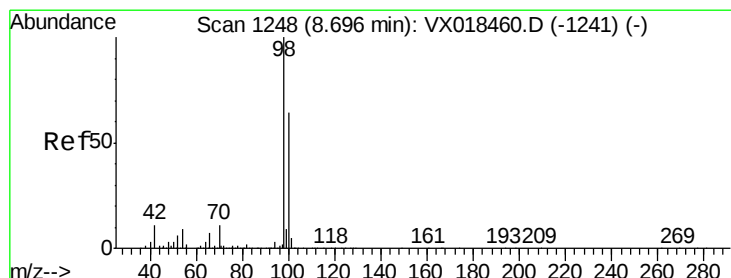
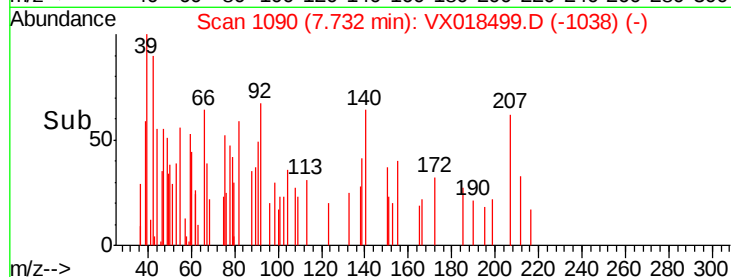
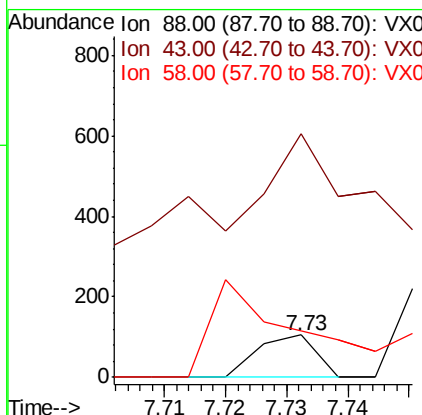
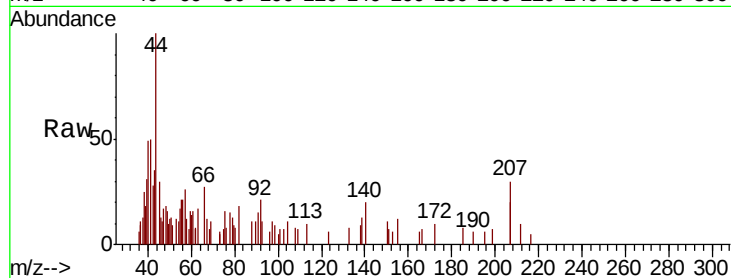




#49
1,4-Dioxane
Concen: 0.534 ug/l
RT: 7.73 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VX018499.D
Acq: 18 Sep 2020 17:48

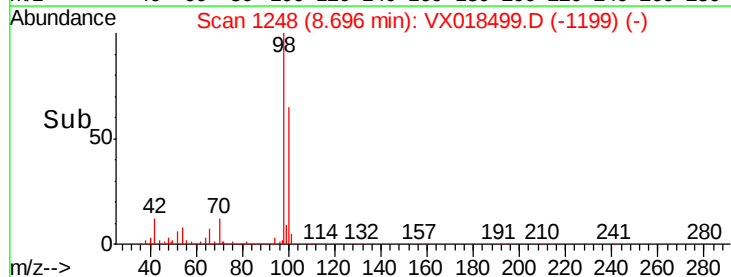
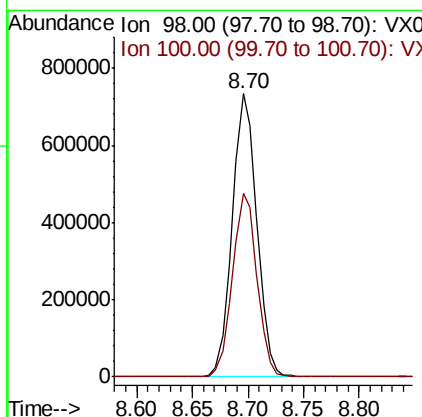
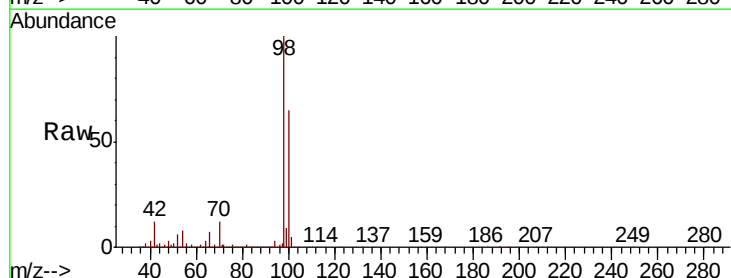
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

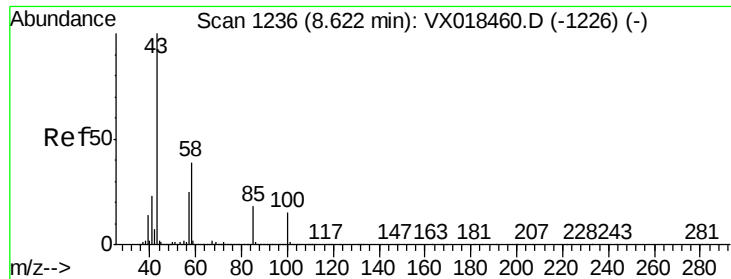
Tot Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 0.0 29.9 44.9#
58 347.8 59.0 88.6#



#50
Toluene-d8
Concen: 47.831 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018499.D
Acq: 18 Sep 2020 17:48

Tgt Ion: 98 Resp: 1122254
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.482 ug/l

RT: 8.66 min Scan# 1242

Delta R.T. 0.04 min

Lab File: VX018499.D

Acq: 18 Sep 2020 17:48

Instrument :

MSVOA_X

ClientSampled :

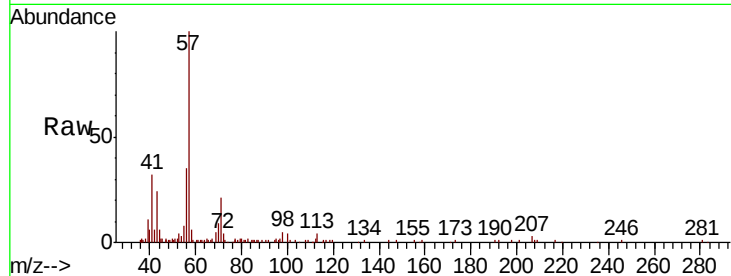
MW-2R

Tot Ion: 43 Resp: 4615

Ion Ratio Lower Upper

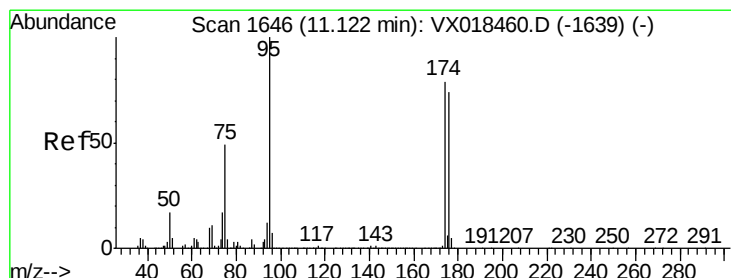
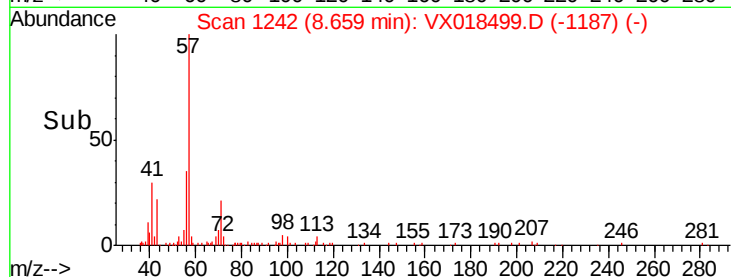
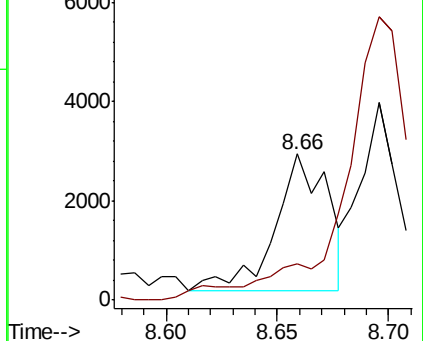
43 100

58 0.0 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.135 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018499.D

Acq: 18 Sep 2020 17:48

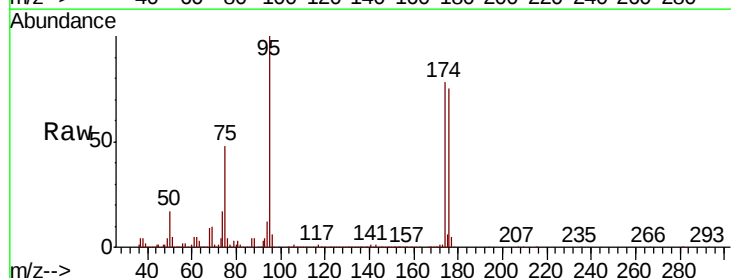
Tgt Ion: 95 Resp: 430584

Ion Ratio Lower Upper

95 100

174 80.8 0.0 161.4

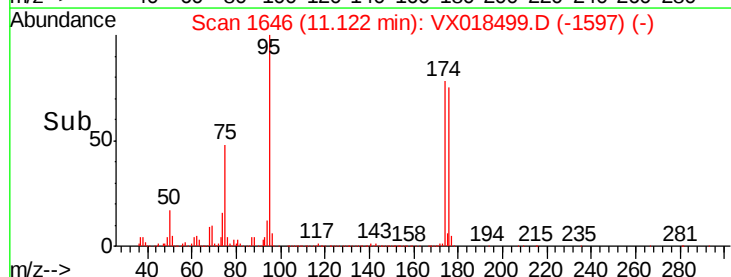
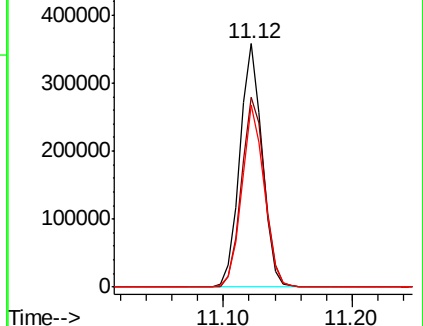
176 74.9 0.0 151.4

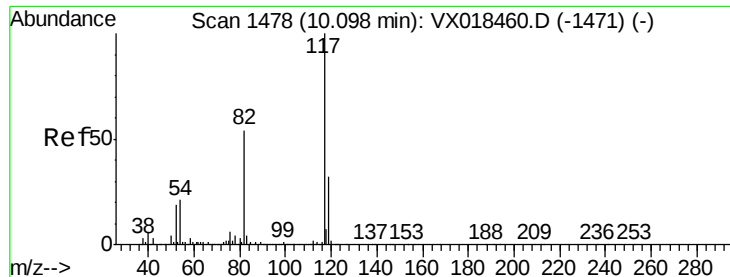


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

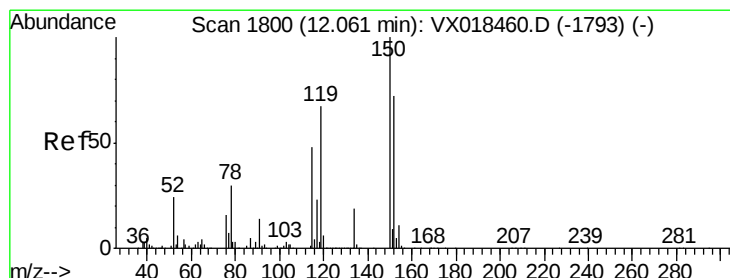
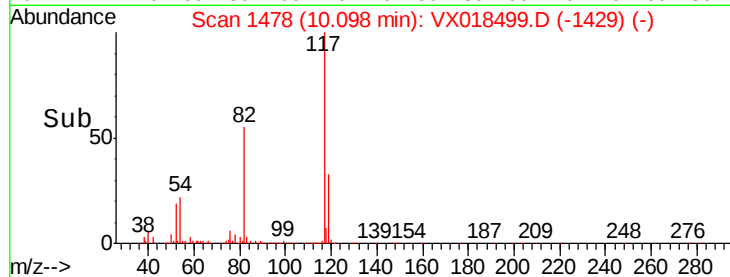
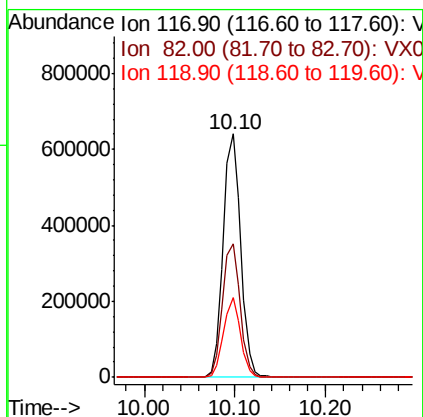
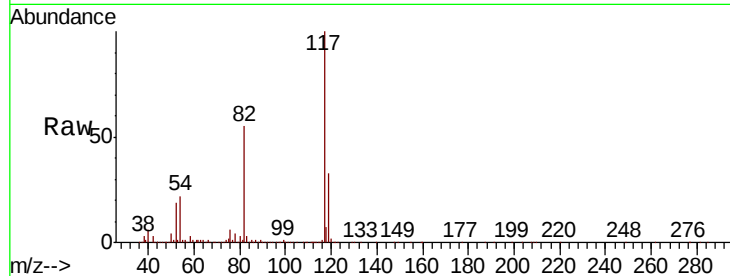




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018499.D
Acq: 18 Sep 2020 17:48

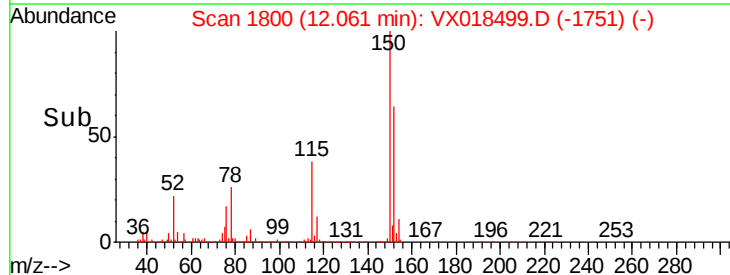
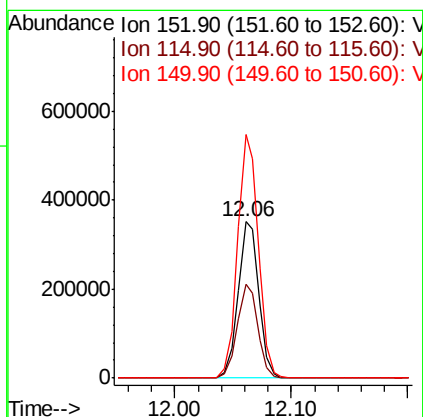
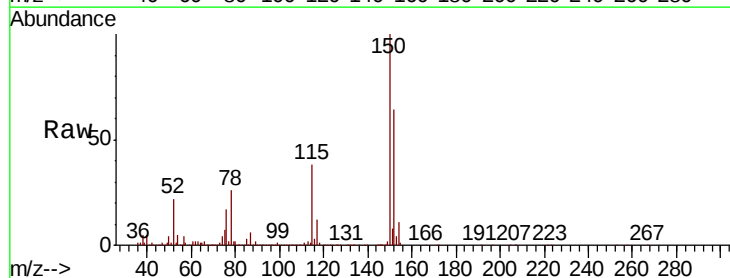
Instrument :
MSVOA_X
ClientSampled :
MW-2R

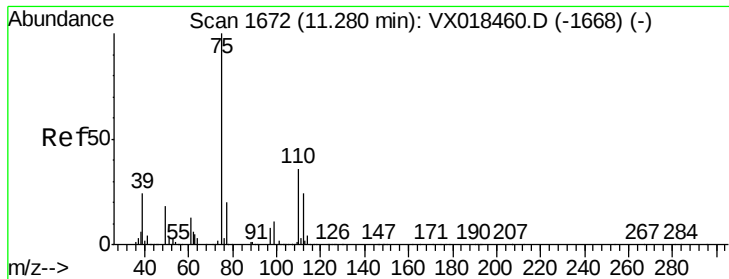
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.3	64.9
119	33.0	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018499.D
Acq: 18 Sep 2020 17:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	41.8	125.4
150	155.5	0.0	342.4





#76

1,2,3-Trichloropropane

Concen: 23.057 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018499.D

Acq: 18 Sep 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

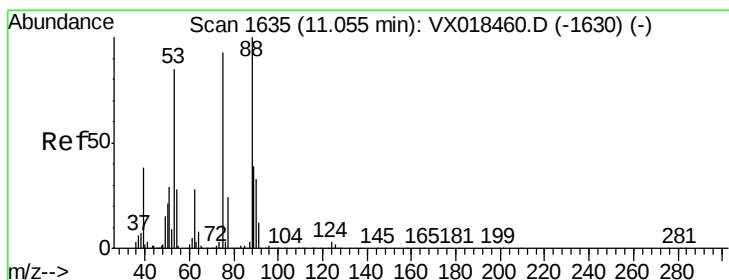
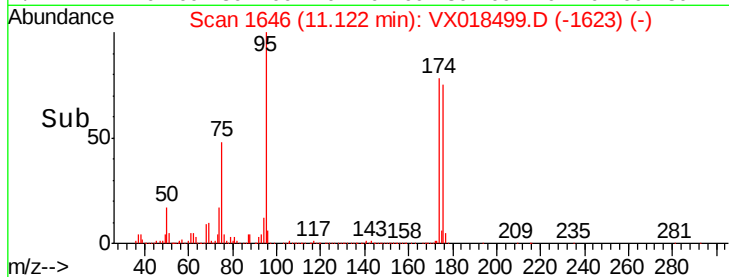
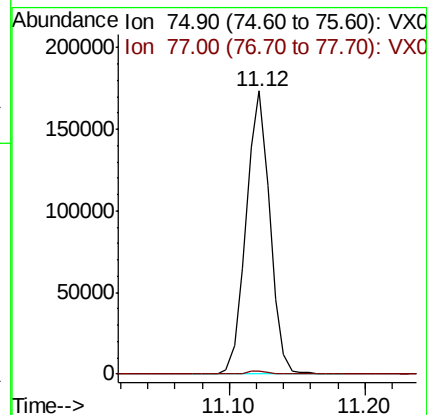
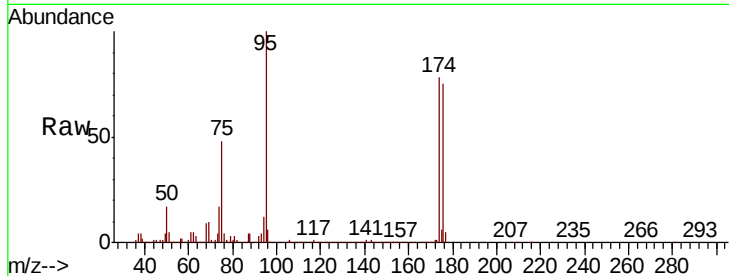
MW-2R

Tot Ion: 75 Resp: 210671

Ion Ratio Lower Upper

75 100

77 1.3 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.083 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018499.D

Acq: 18 Sep 2020 17:48

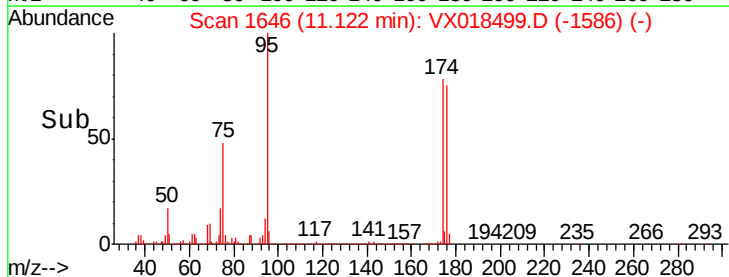
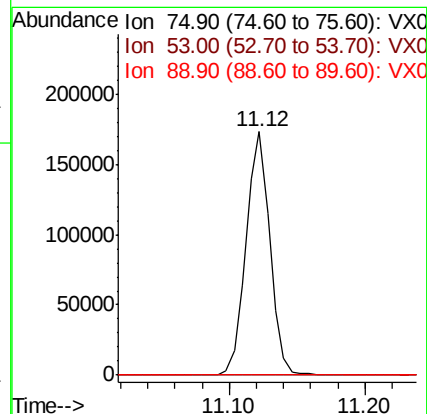
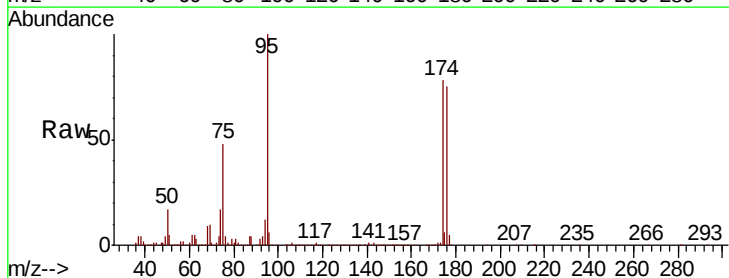
Tgt Ion: 75 Resp: 210671

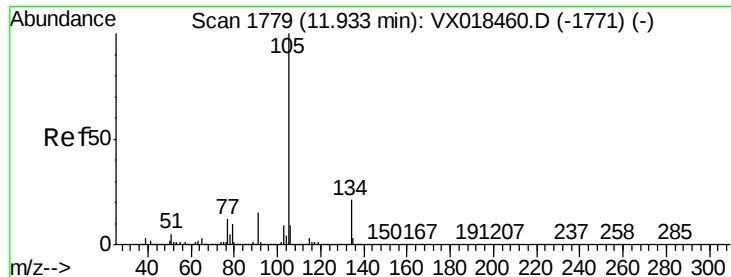
Ion Ratio Lower Upper

75 100

53 0.4 74.6 111.8#

89 0.1 36.2 54.4#





#85
 sec-Butylbenzene
 Concen: 0.488 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VX018499.D
 Acq: 18 Sep 2020 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2R

Tot Ion: 105 Resp: 13899
 Ion Ratio Lower Upper
 105 100
 134 23.0 10.2 30.4

