

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091820\
 Data File : VX018503.D
 Acq On : 18 Sep 2020 19:19
 Operator : JC/SP
 Sample : L4058-06DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7DL

Quant Time: Sep 19 01:59:11 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	5.63	168	515406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	824742	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	779055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	377188	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	347627	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
35) Dibromofluoromethane	5.46	113	276255	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	8.70	98	1000323	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	11.12	95	370650	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	

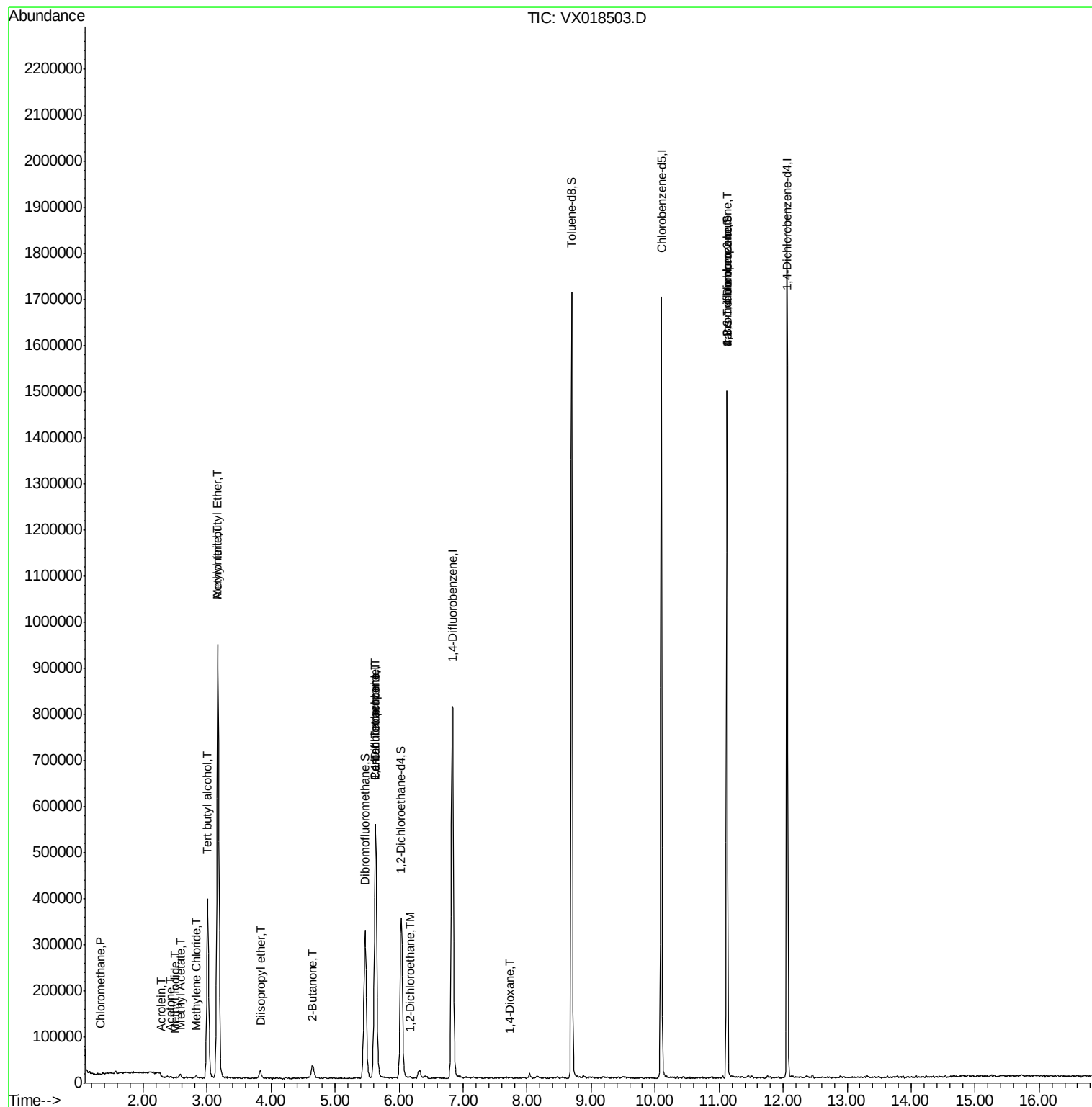
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1428	0.250	ug/l #	75
10) Methyl Iodide	2.49	142	158	4.938	ug/l #	25
11) Tert butyl alcohol	3.01	59	470792	371.100	ug/l	99
13) Acrolein	2.28	56	194	0.242	ug/l #	13
15) Acrylonitrile	3.17	53	11099	3.667	ug/l #	35
16) Acetone	2.42	43	3194	1.145	ug/l #	81
18) Methyl Acetate	2.58	43	2109	0.305	ug/l #	75
19) Methyl tert-butyl Ether	3.17	73	1039569	59.330	ug/l	100
20) Methylene Chloride	2.84	84	2700	0.439	ug/l #	84
22) Diisopropyl ether	3.83	45	17471	0.961	ug/l #	69
25) 2-Butanone	4.64	43	958	0.221	ug/l #	76
36) 1,1-Dichloropropene	5.63	75	39946	4.990	ug/l #	53
38) Carbon Tetrachloride	5.63	117	52819	5.958	ug/l #	18
42) 1,2-Dichloroethane	6.18	62	2727	0.306	ug/l	81
49) 1,4-Dioxane	7.73	88	114	0.999	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	189931	23.962	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	189931	61.402	ug/l #	12

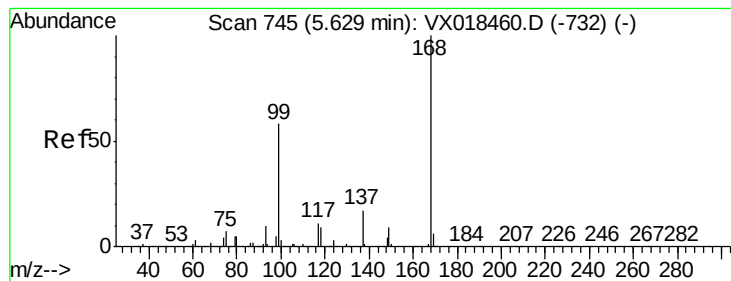
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX018503.D

Acq: 18 Sep 2020 19:19

Instrument :

MSVOA_X

ClientSampleId :

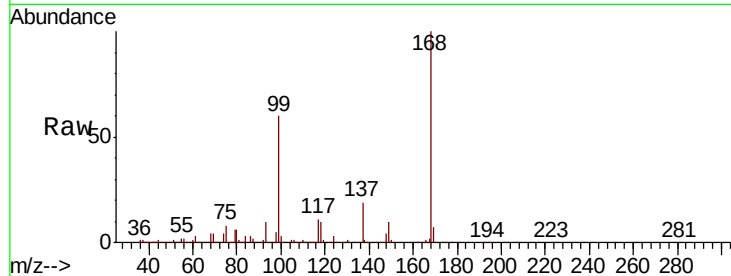
MW-7DL

Tot Ion:168 Resp: 515406

Ion Ratio Lower Upper

168 100

99 59.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

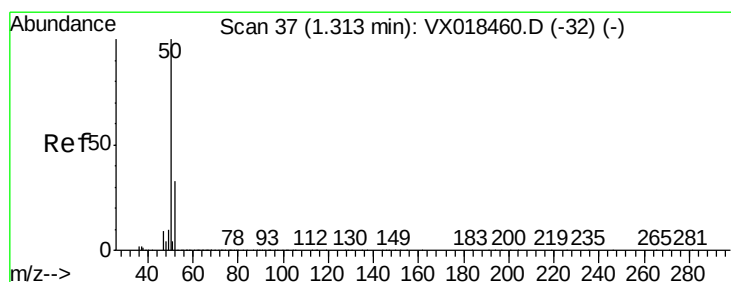
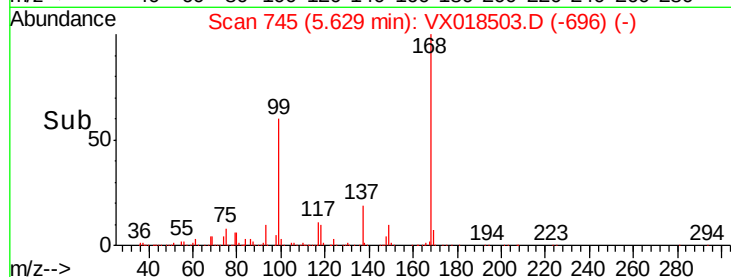
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.250 ug/l

RT: 1.33 min Scan# 39

Delta R.T. 0.01 min

Lab File: VX018503.D

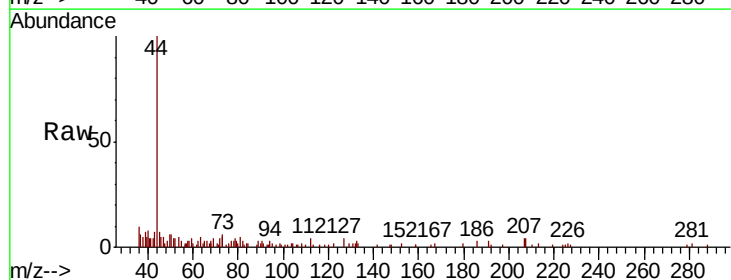
Acq: 18 Sep 2020 19:19

Tgt Ion: 50 Resp: 1428

Ion Ratio Lower Upper

50 100

52 19.2 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

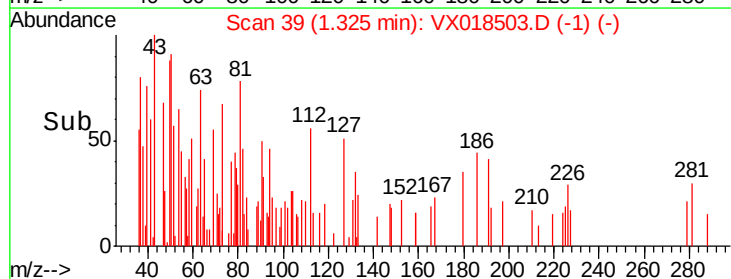
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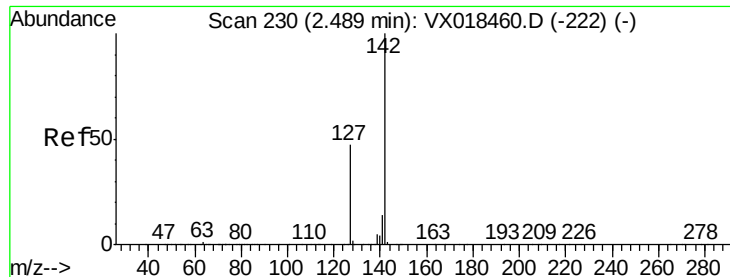
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200

0

Time-->

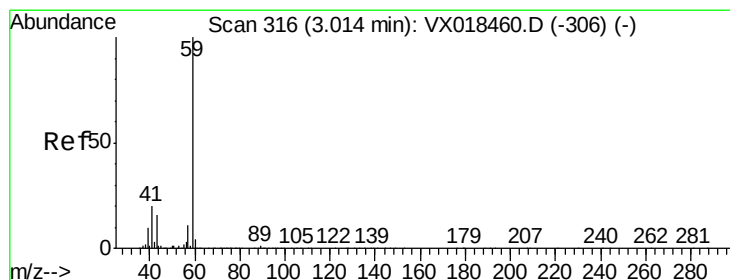
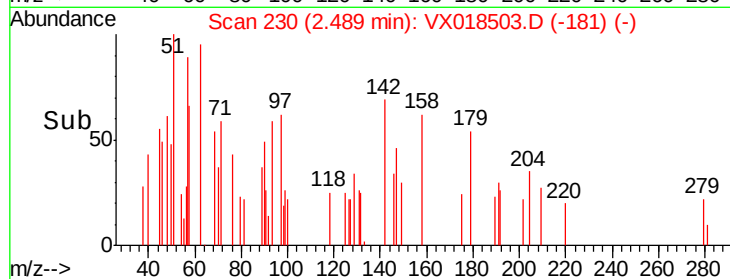
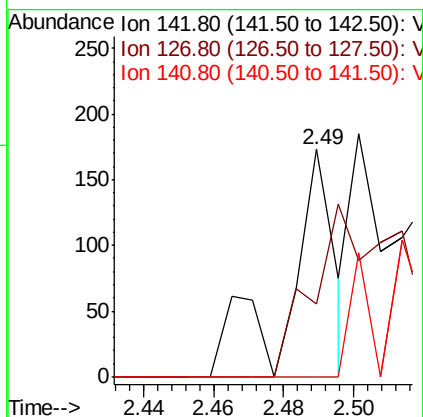
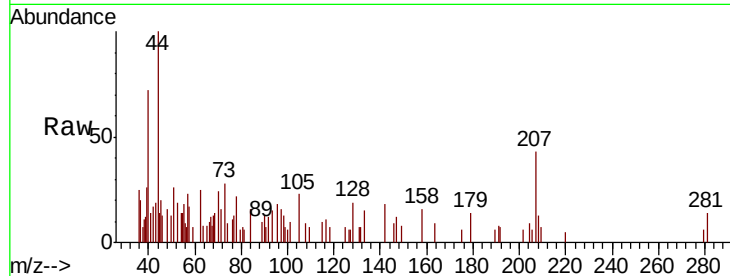




#10
Methyl Iodide
Concen: 4.938 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018503.D
Acq: 18 Sep 2020 19:19

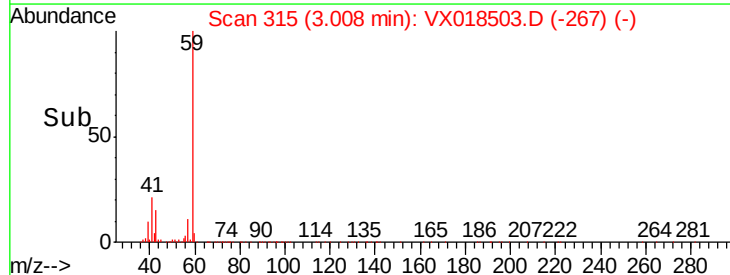
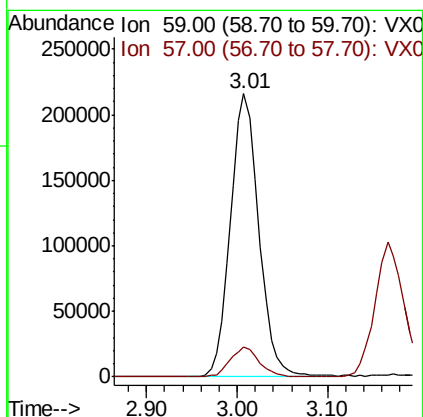
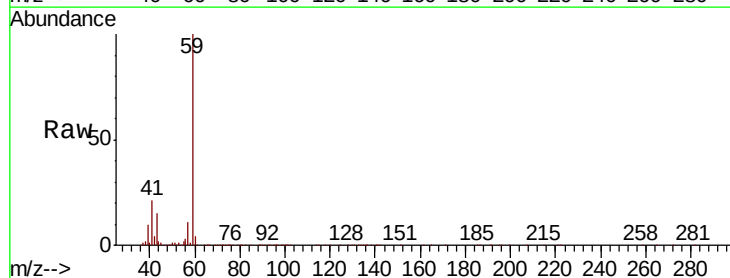
Instrument :
MSVOA_X
ClientSampled :
MW-7DL

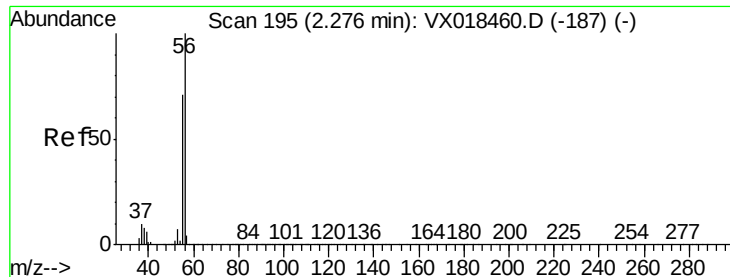
Tot Ion:142 Resp: 158
Ion Ratio Lower Upper
142 100
127 102.5 36.0 54.0#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: 371.100 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018503.D
Acq: 18 Sep 2020 19:19

Tgt Ion: 59 Resp: 470792
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4





#13

Acrolein

Concen: 0.242 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018503.D

Acq: 18 Sep 2020 19:19

Instrument :

MSVOA_X

ClientSampled :

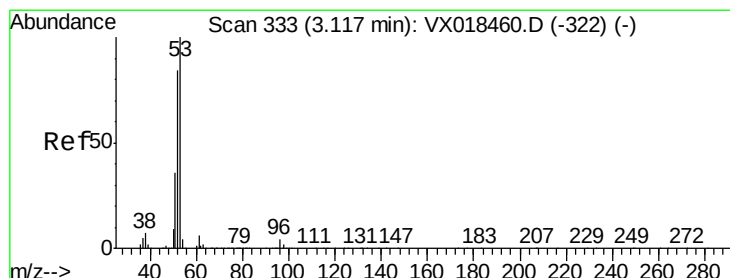
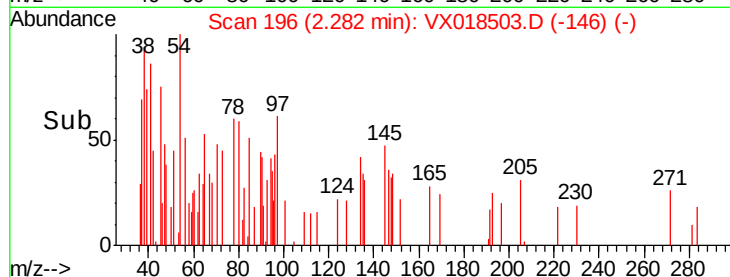
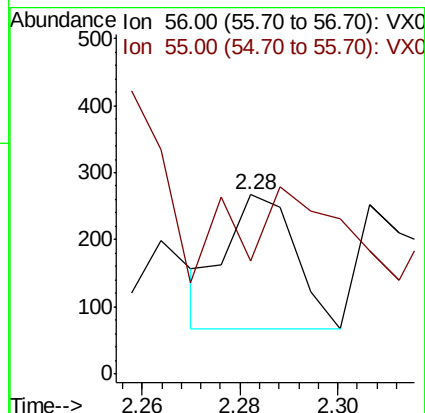
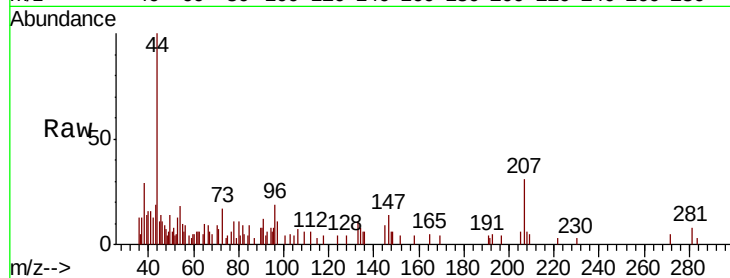
MW-7DL

Tot Ion: 56 Resp: 194

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#15

Acrylonitrile

Concen: 3.667 ug/l

RT: 3.17 min Scan# 342

Delta R.T. 0.05 min

Lab File: VX018503.D

Acq: 18 Sep 2020 19:19

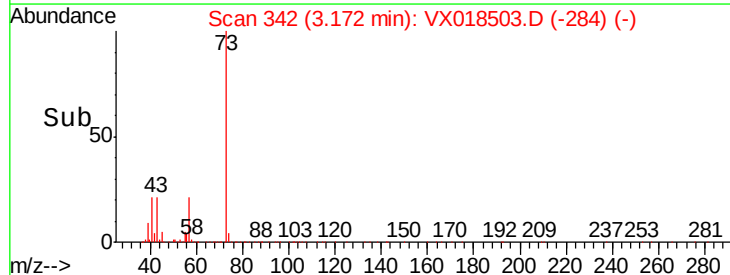
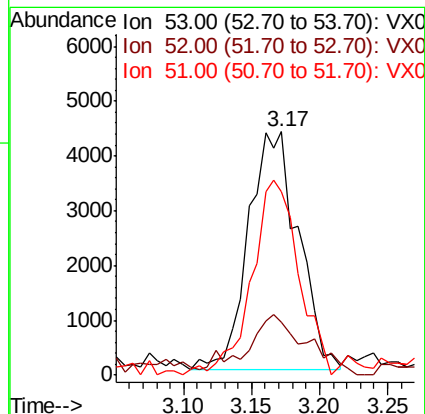
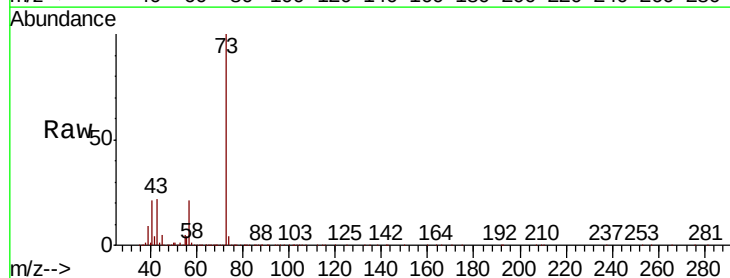
Tgt Ion: 53 Resp: 11099

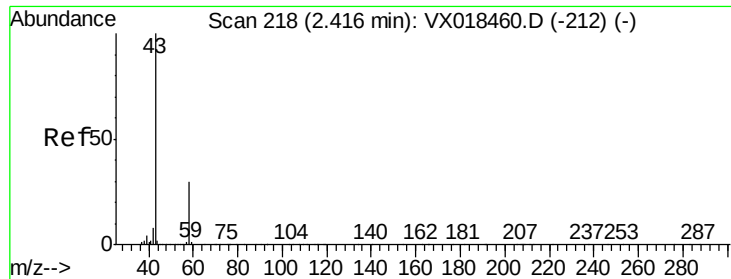
Ion Ratio Lower Upper

53 100

52 26.1 65.8 98.8#

51 77.6 29.2 43.8#

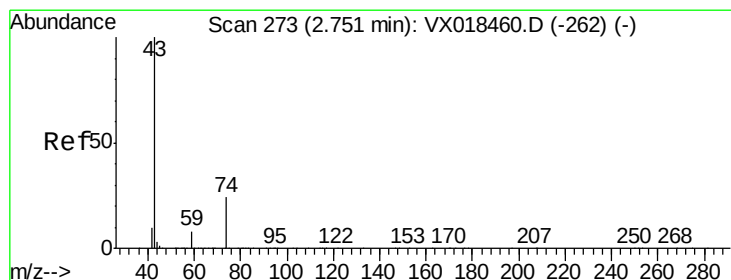
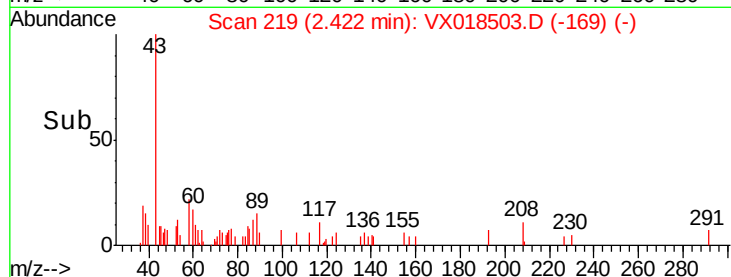
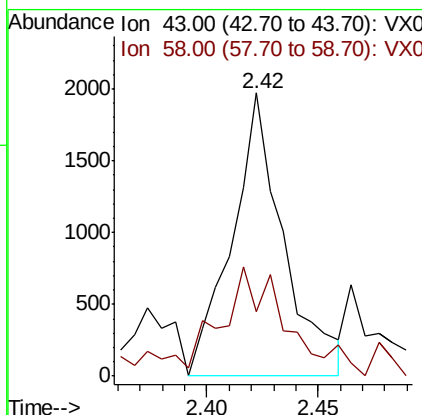
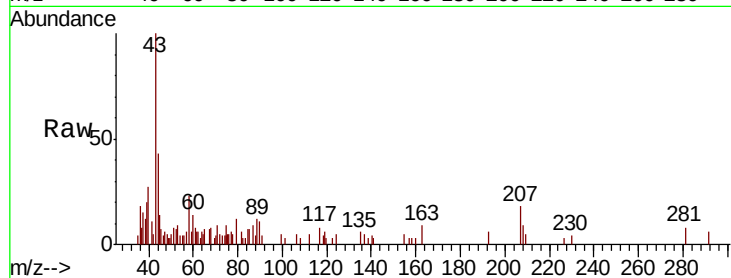




#16
Acetone
Concen: 1.145 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.01 min
Lab File: VX018503.D
Acq: 18 Sep 2020 19:19

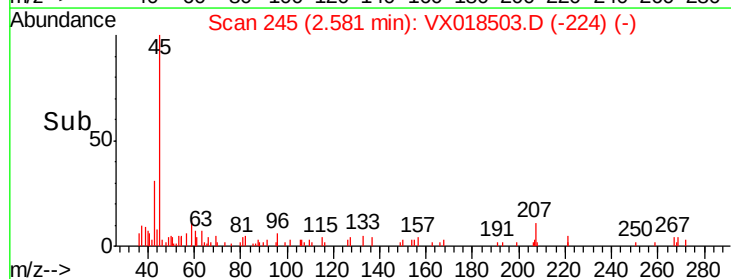
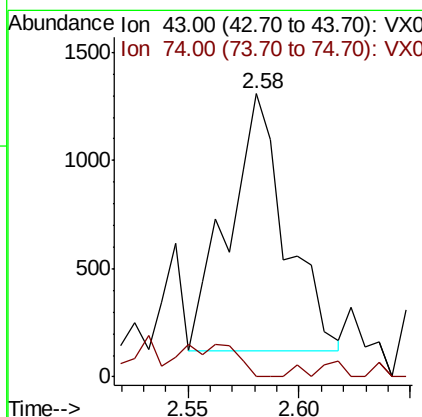
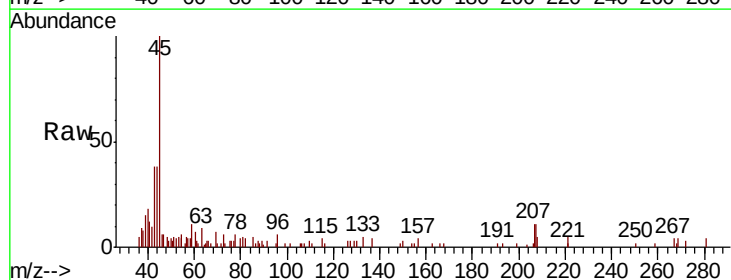
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

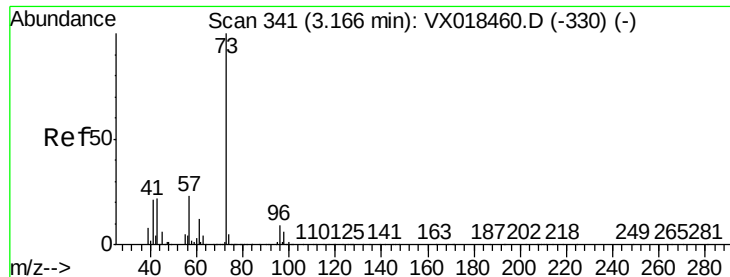
Tot Ion: 43 Resp: 3194
Ion Ratio Lower Upper
43 100
58 19.9 24.0 36.0#



#18
Methyl Acetate
Concen: 0.305 ug/l
RT: 2.58 min Scan# 245
Delta R.T. -0.17 min
Lab File: VX018503.D
Acq: 18 Sep 2020 19:19

Tgt Ion: 43 Resp: 2109
Ion Ratio Lower Upper
43 100
74 10.8 18.3 27.5#



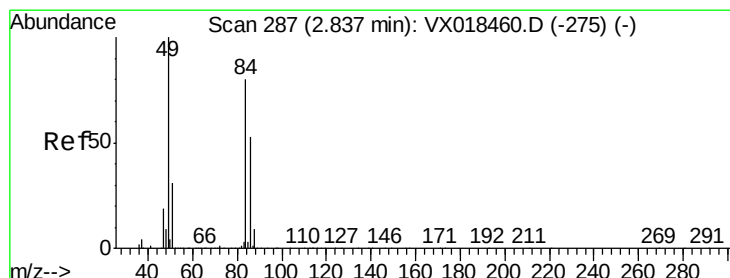
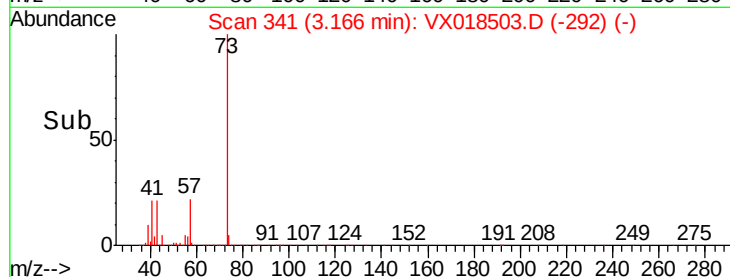
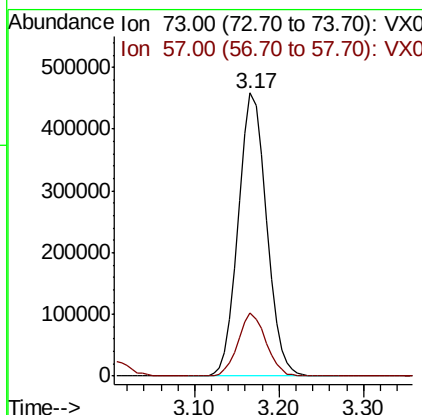
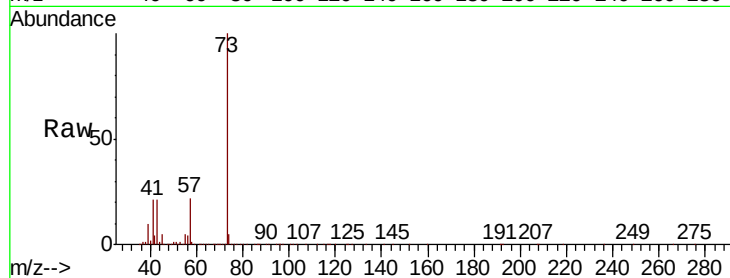


#19

Methyl tert-butyl Ether
 Concen: 59.330 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX018503.D
 Acq: 18 Sep 2020 19:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7DL

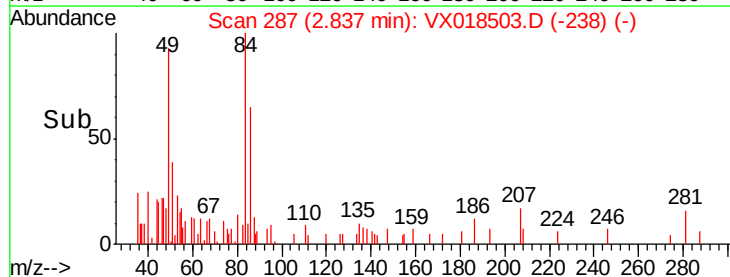
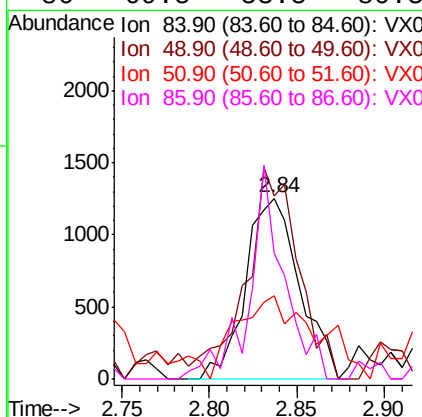
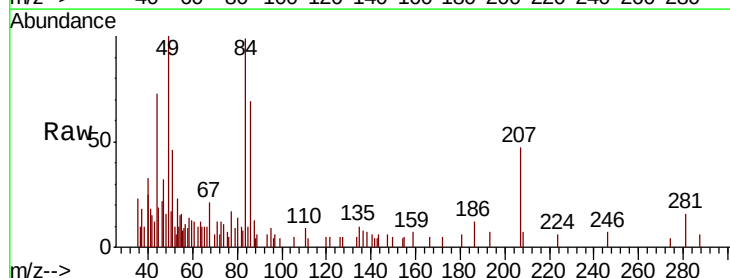
Tot Ion: 73 Resp: 1039569
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.0 27.0

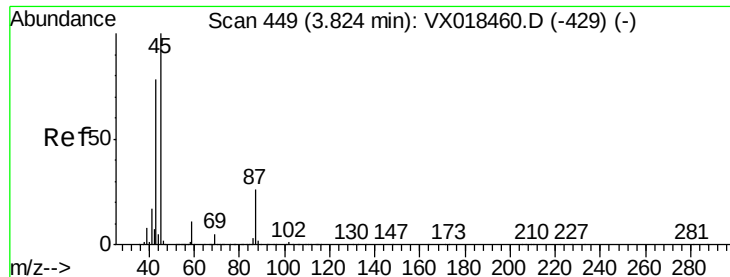


#20

Methylene Chloride
 Concen: 0.439 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX018503.D
 Acq: 18 Sep 2020 19:19

Tgt Ion: 84 Resp: 2700
 Ion Ratio Lower Upper
 84 100
 49 101.2 100.6 151.0
 51 27.9 30.9 46.3#
 86 69.5 53.5 80.3

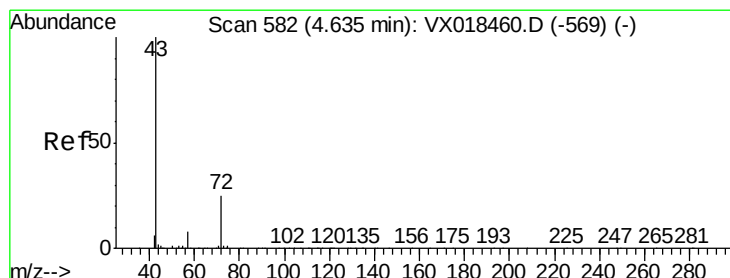
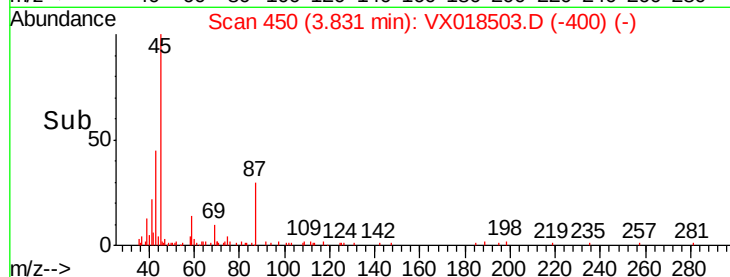
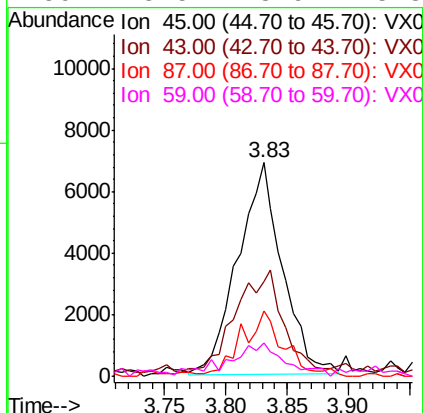
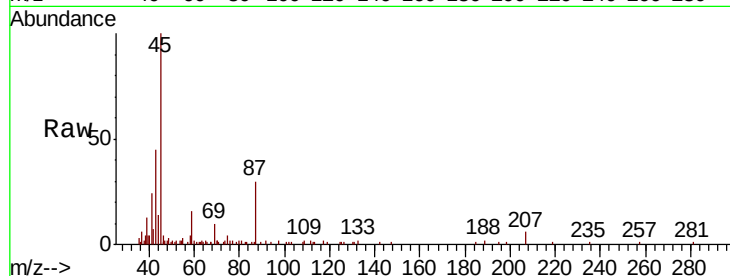




#22
Diisopropyl ether
Concen: 0.961 ug/l
RT: 3.83 min Scan# 450
Delta R.T. 0.01 min
Lab File: VX018503.D
Acq: 18 Sep 2020 19:19

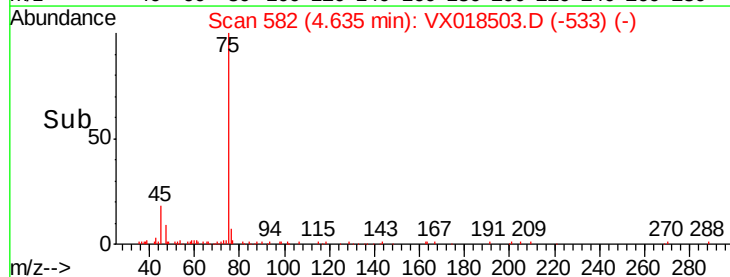
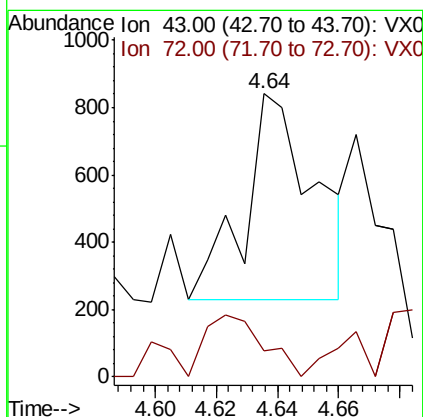
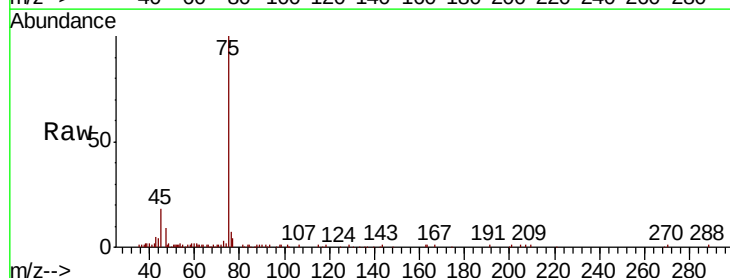
Instrument :
MSVOA_X
ClientSampled :
MW-7DL

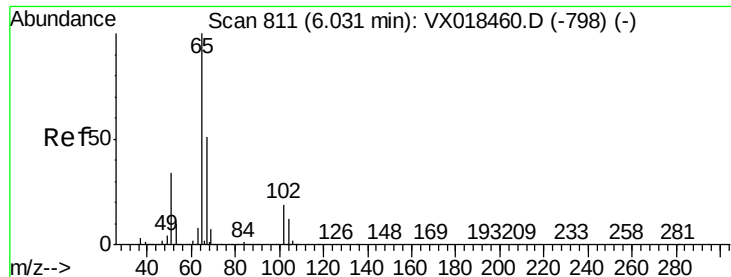
Tot Ion:	45	Resp:	17471
Ion	Ratio	Lower	Upper
45	100		
43	41.7	62.4	93.6#
87	29.9	21.2	31.8
59	15.5	8.9	13.3#



#25
2-Butanone
Concen: 0.221 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX018503.D
Acq: 18 Sep 2020 19:19

Tgt Ion:	43	Resp:	958
Ion	Ratio	Lower	Upper
43	100		
72	13.0	20.2	30.4#

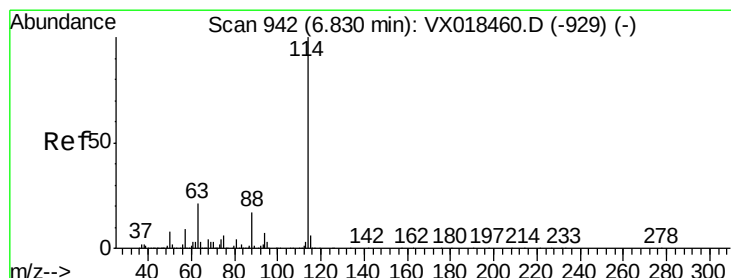
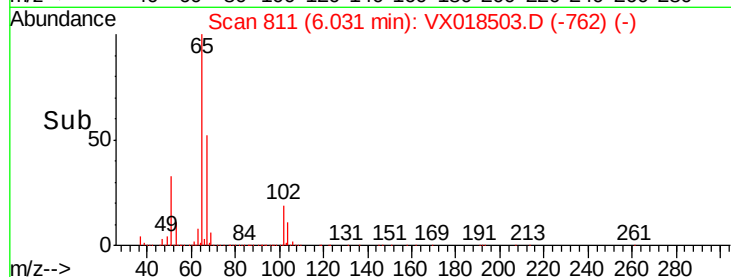
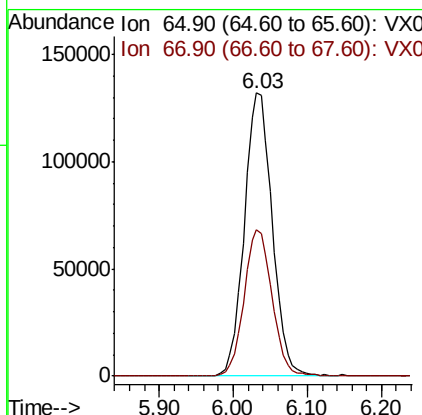
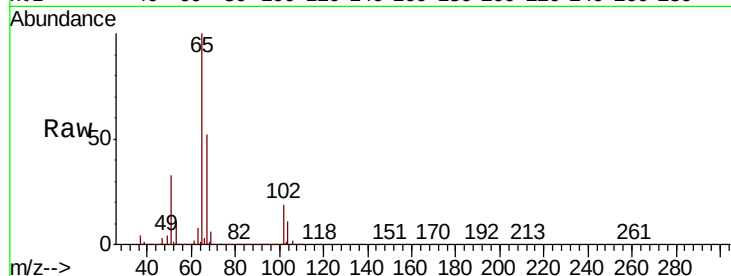




#33
 1,2-Dichloroethane-d4
 Concen: 47.678 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX018503.D
 Acq: 18 Sep 2020 19:19

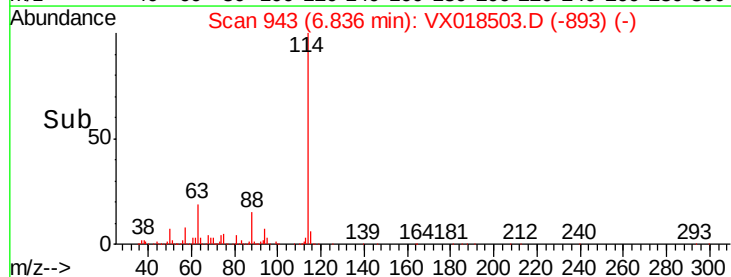
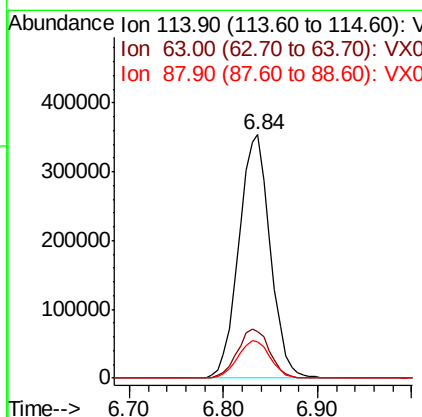
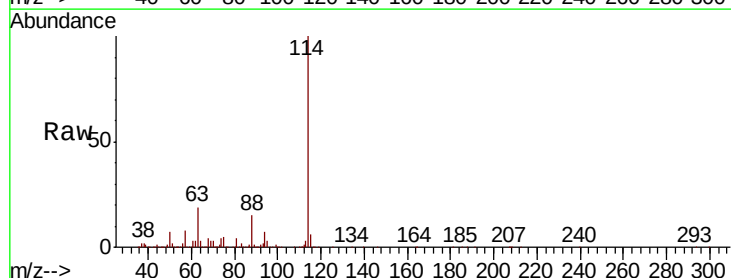
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7DL

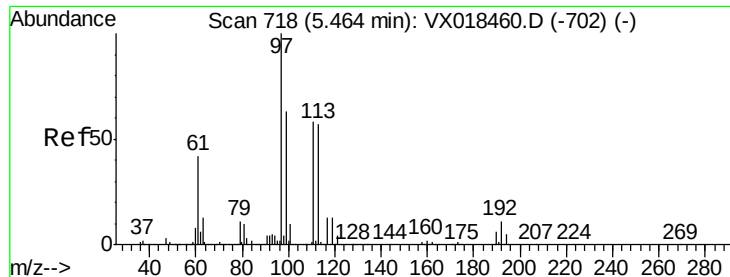
Tot Ion: 65 Resp: 347627
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX018503.D
 Acq: 18 Sep 2020 19:19

Tgt Ion: 114 Resp: 824742
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.8
 88 15.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 48.452 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX018503.D

Acq: 18 Sep 2020 19:19

Instrument :

MSVOA_X

ClientSampled :

MW-7DL

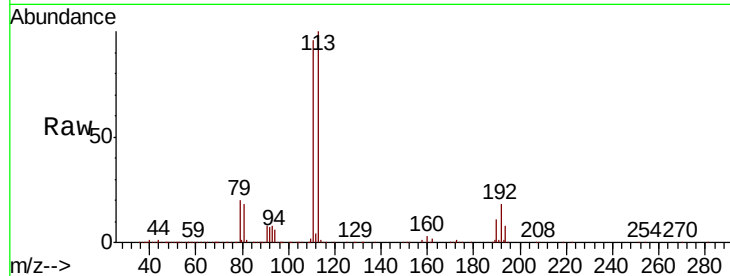
Tot Ion:113 Resp: 276255

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.2

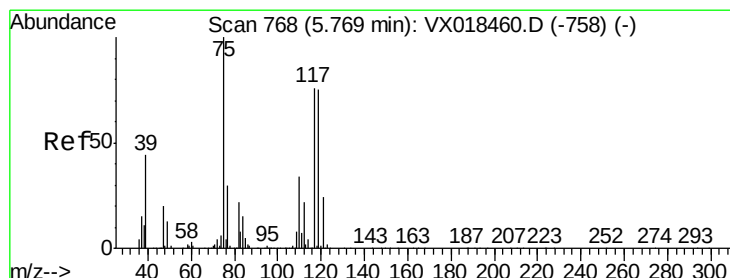
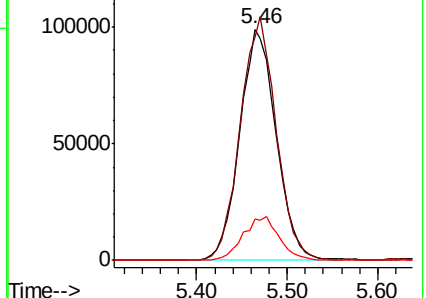
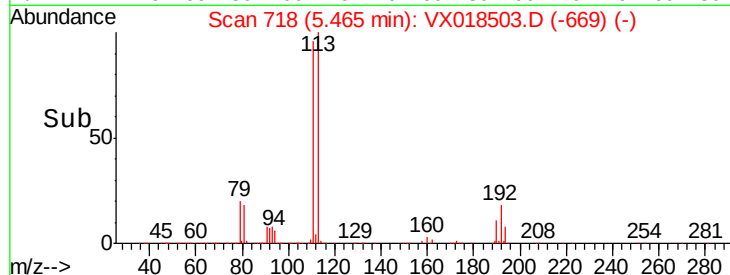
192 18.7 16.6 24.8



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: 4.990 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018503.D

Acq: 18 Sep 2020 19:19

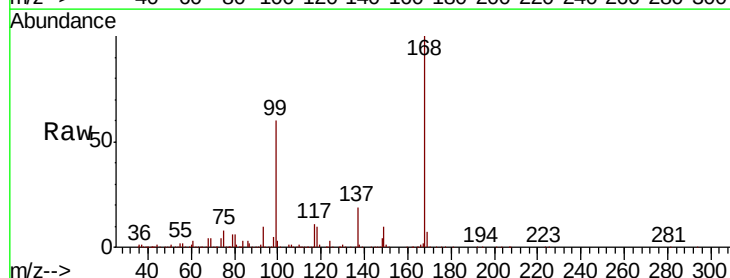
Tgt Ion: 75 Resp: 39946

Ion Ratio Lower Upper

75 100

110 11.8 17.6 52.8#

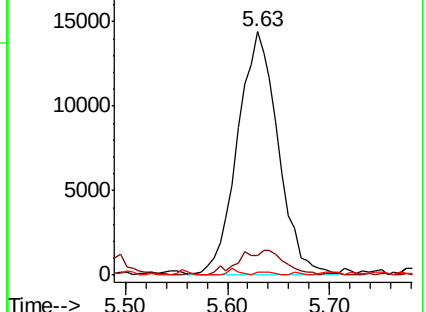
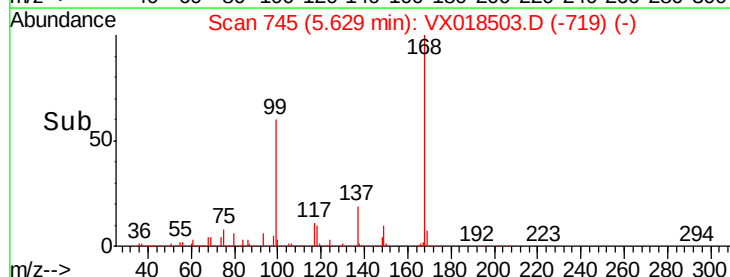
77 0.6 25.0 37.6#

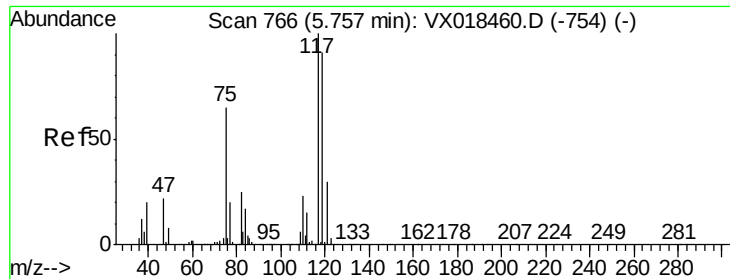


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.958 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018503.D

Acq: 18 Sep 2020 19:19

Instrument :

MSVOA_X

ClientSampled :

MW-7DL

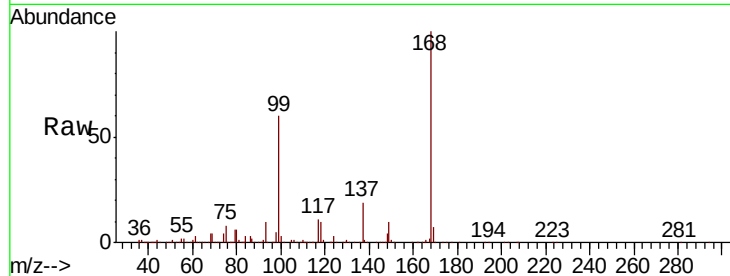
Tot Ion:117 Resp: 52819

Ion Ratio Lower Upper

117 100

119 5.0 72.3 108.5#

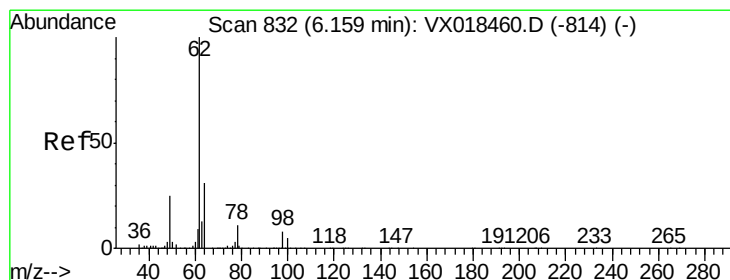
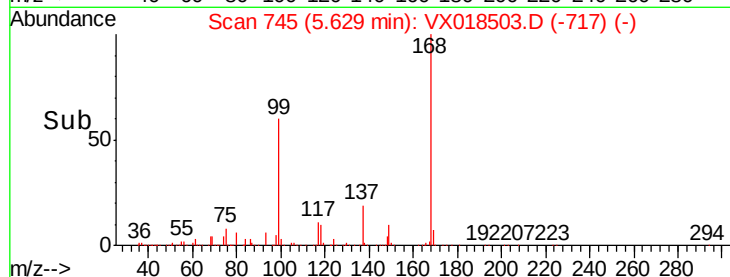
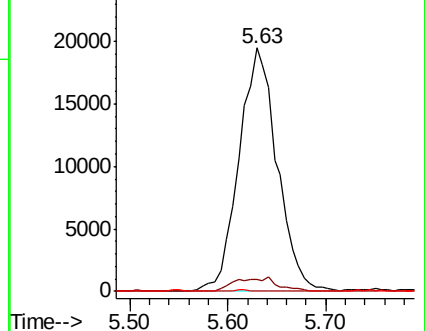
121 0.0 23.8 35.8#



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



#42

1,2-Dichloroethane

Concen: 0.306 ug/l

RT: 6.18 min Scan# 835

Delta R.T. 0.02 min

Lab File: VX018503.D

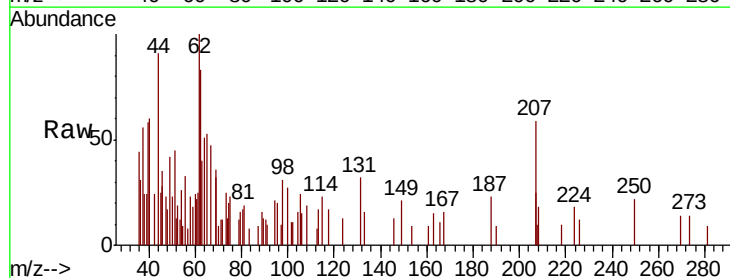
Acq: 18 Sep 2020 19:19

Tgt Ion: 62 Resp: 2727

Ion Ratio Lower Upper

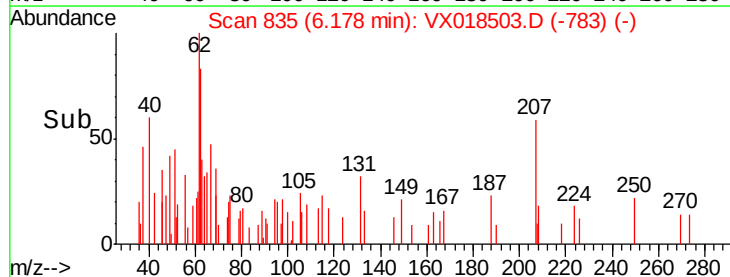
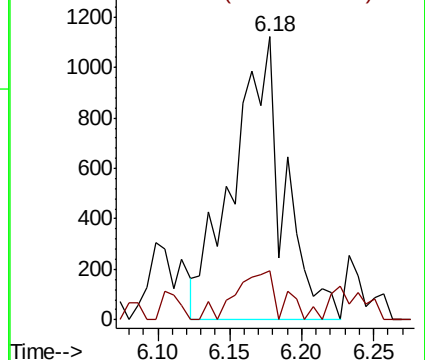
62 100

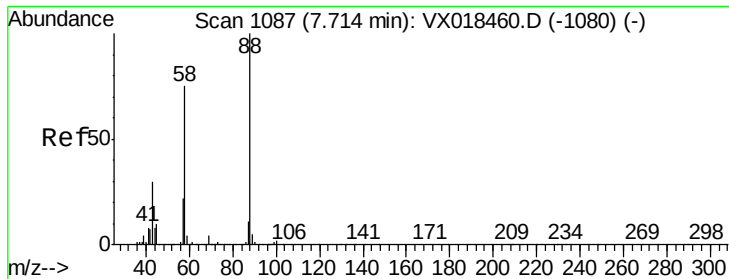
98 15.2 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#49

1,4-Dioxane

Concen: 0.999 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018503.D

Acq: 18 Sep 2020 19:19

Instrument :

MSVOA_X

ClientSampleId :

MW-7DL

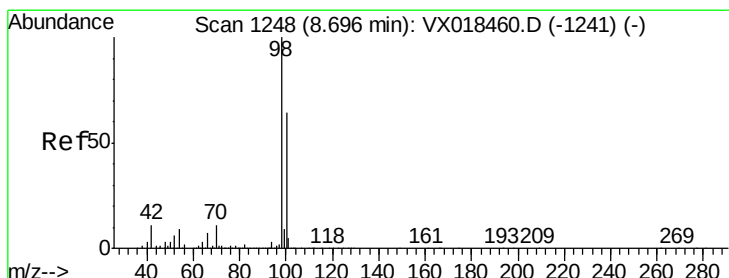
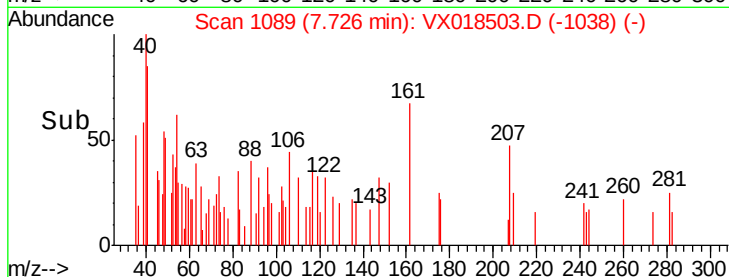
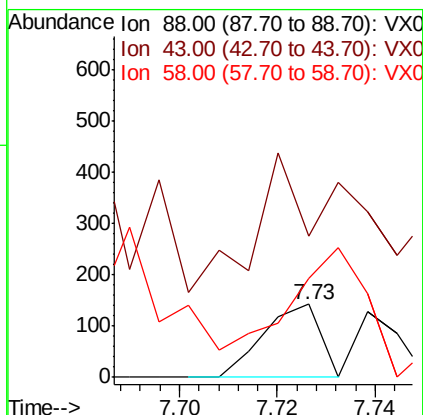
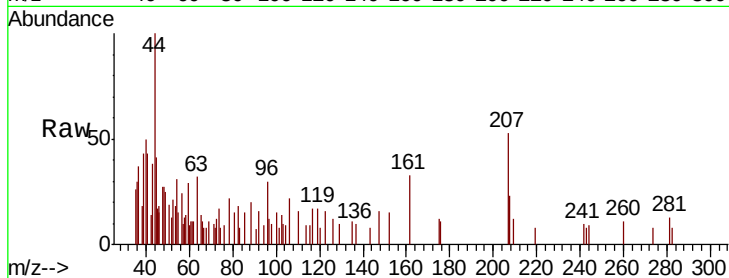
Tot Ion: 88 Resp: 114

Ion Ratio Lower Upper

88 100

43 201.8 29.9 44.9#

58 257.9 59.0 88.6#



#50

Toluene-d8

Concen: 48.288 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018503.D

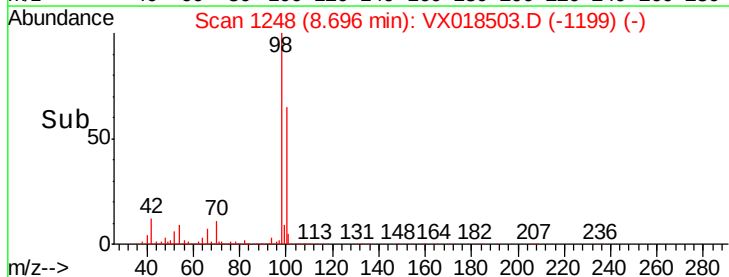
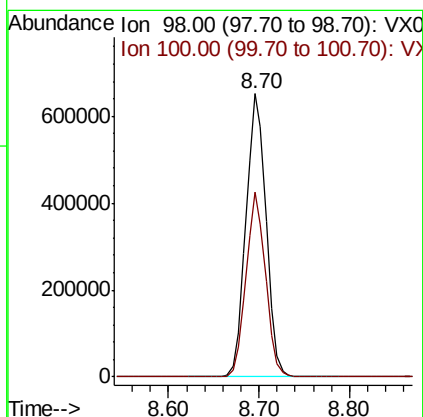
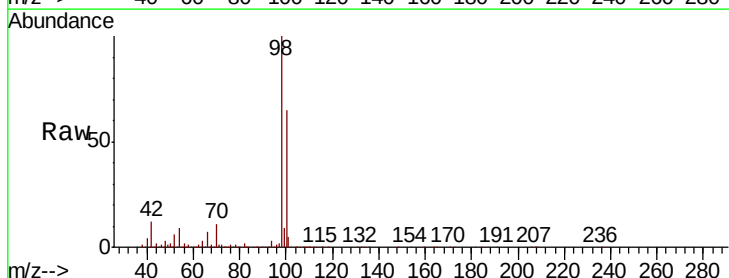
Acq: 18 Sep 2020 19:19

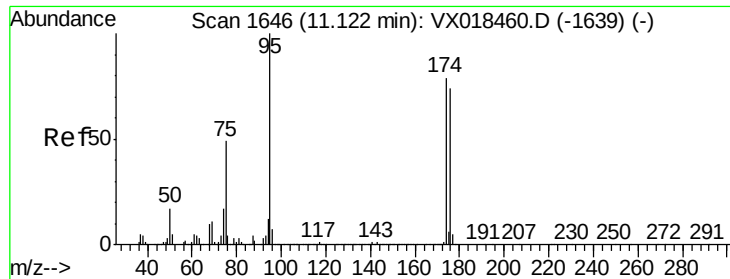
Tgt Ion: 98 Resp: 1000323

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5

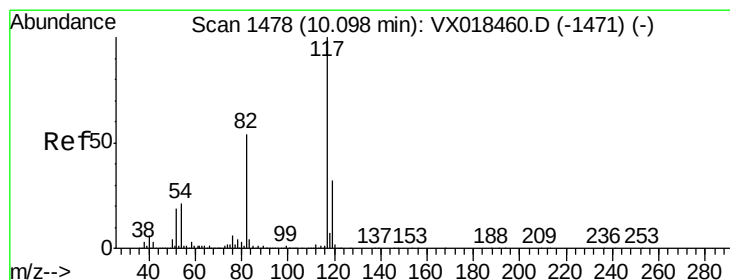
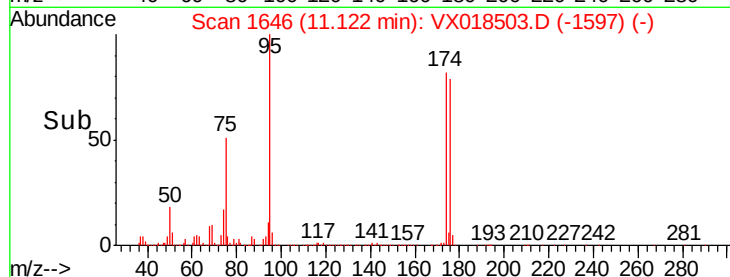
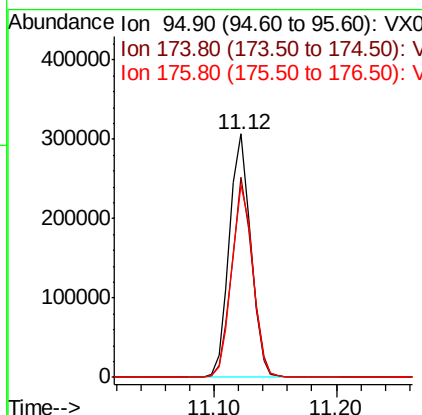
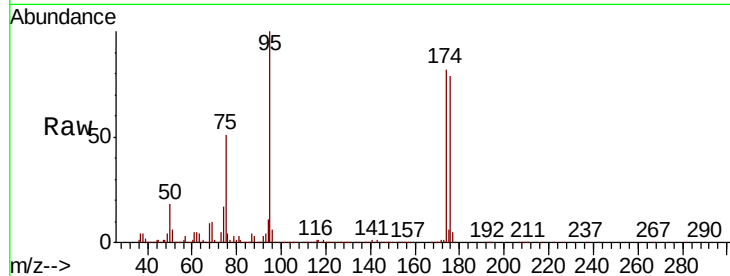




#62
4-Bromofluorobenzene
Concen: 44.981 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018503.D
Acq: 18 Sep 2020 19:19

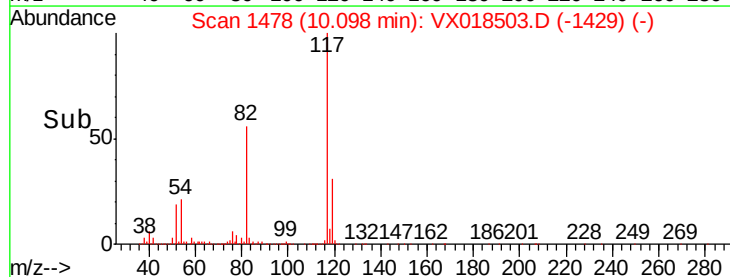
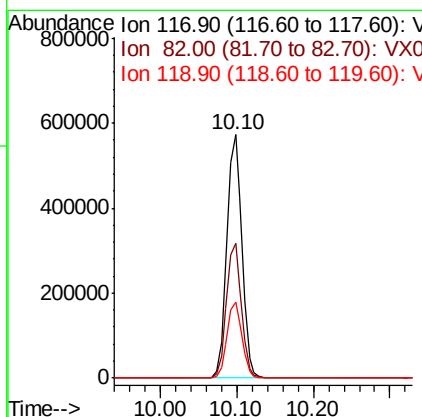
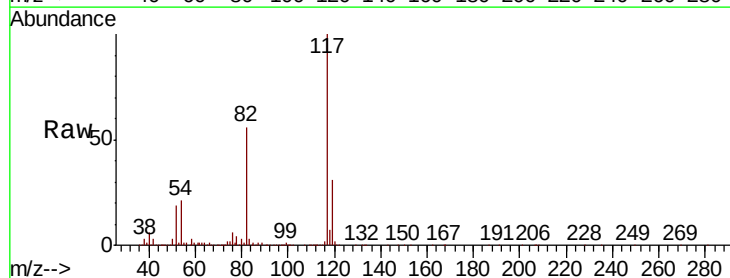
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

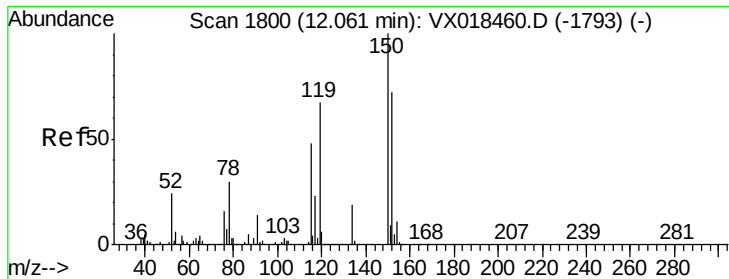
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	161.4
176	78.6	0.0	151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018503.D
Acq: 18 Sep 2020 19:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.3	64.9
119	31.4	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: VX018503.D

Acq: 18 Sep 2020 19:19

Instrument :

MSVOA_X

ClientSampleId :

MW-7DL

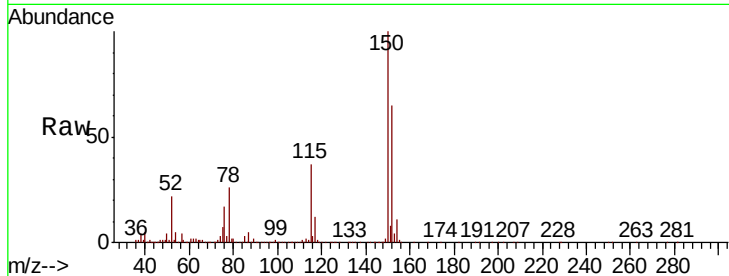
Tot Ion:152 Resp: 377188

Ion Ratio Lower Upper

152 100

115 59.6 41.8 125.4

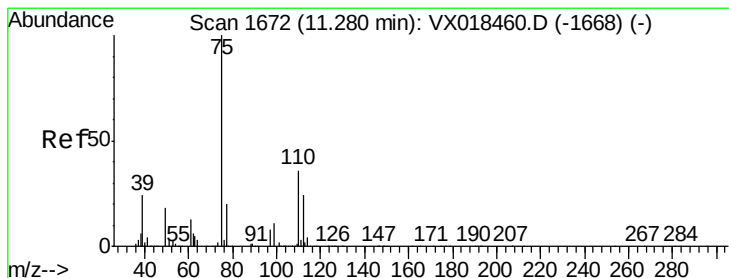
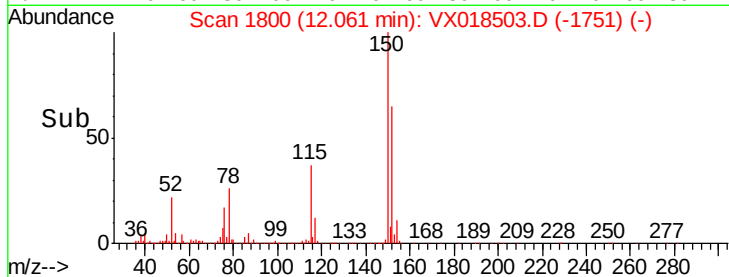
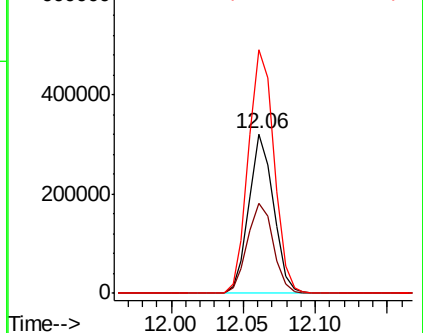
150 160.1 0.0 342.4



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: 23.962 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018503.D

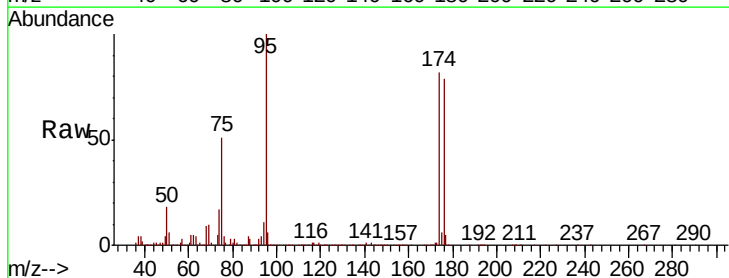
Acq: 18 Sep 2020 19:19

Tgt Ion: 75 Resp: 189931

Ion Ratio Lower Upper

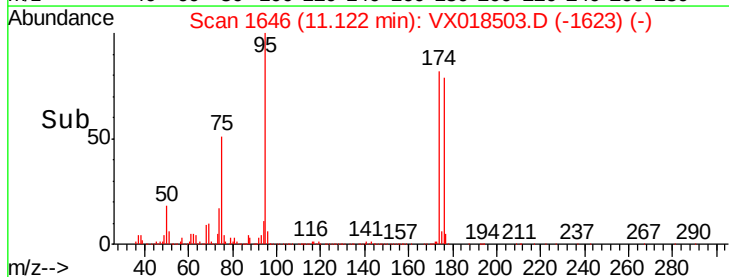
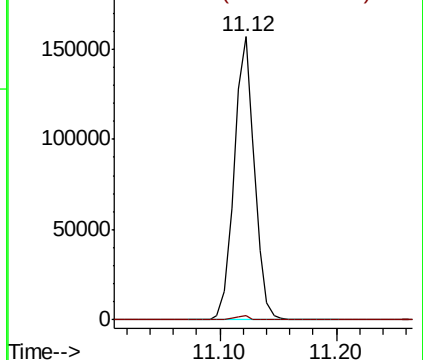
75 100

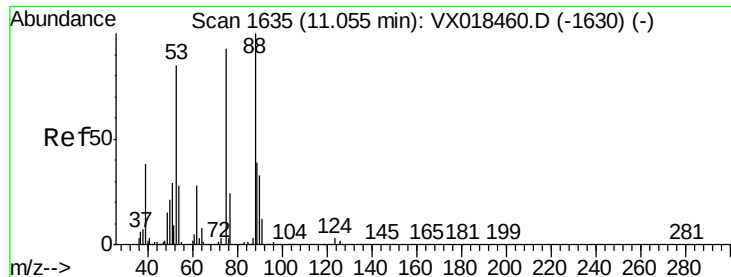
77 1.4 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.402 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018503.D

Acq: 18 Sep 2020 19:19

Instrument :

MSVOA_X

ClientSampleId :

MW-7DL

Tot Ion: 75 Resp: 189931

Ion Ratio Lower Upper

75 100

53 0.3 74.6 111.8#

89 0.1 36.2 54.4#

