

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019730.D
 Acq On : 04 Dec 2020 20:27
 Operator : JC/MD
 Sample : L4960-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: Dec 05 03:51:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	337133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	549899	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	499064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	217572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	208405	47.03	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.06%
35) Dibromofluoromethane	5.46	113	168531	47.42	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.84%
50) Toluene-d8	8.70	98	659319	48.59	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.18%
62) 4-Bromofluorobenzene	11.12	95	230601	44.65	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.30%

Target Compounds

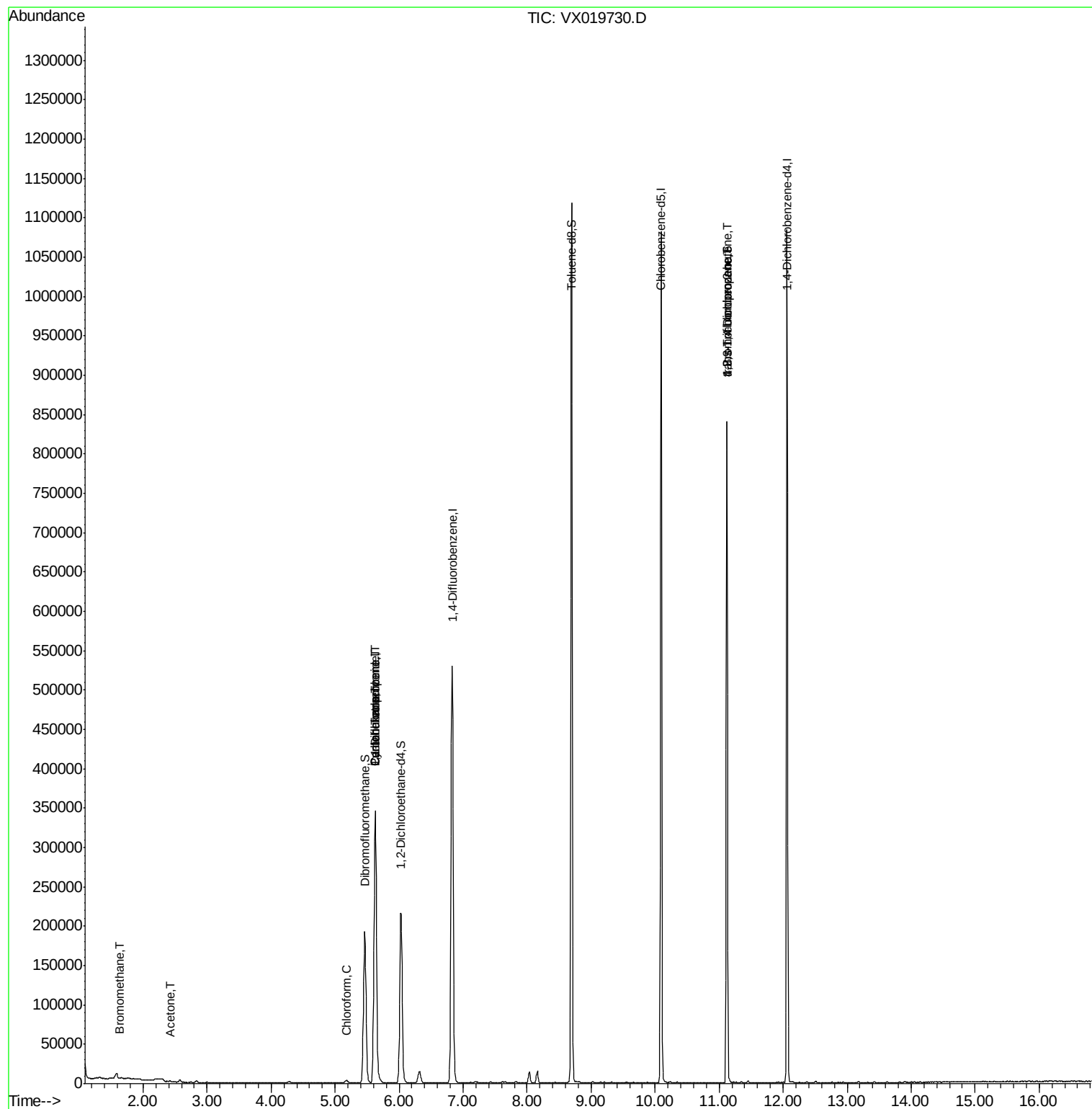
					Qvalue	
5) Bromomethane	1.63	94	676	0.532	ug/l	84
11) Tert butyl alcohol	3.00	59	752	Below Cal	#	80
16) Acetone	2.42	43	1585	0.952	ug/l	92
20) Methylene Chloride	2.84	84	634	Below Cal	#	82
30) Chloroform	5.18	83	4116	0.629	ug/l	94
31) Cyclohexane	5.62	56	6671	1.210	ug/l	# 1
36) 1,1-Dichloropropene	5.63	75	25476	5.127	ug/l	# 49
38) Carbon Tetrachloride	5.63	117	32348	6.648	ug/l	# 17
76) 1,2,3-Trichloropropane	11.12	75	111856	22.922	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.12	75	111856	66.265	ug/l	# 12

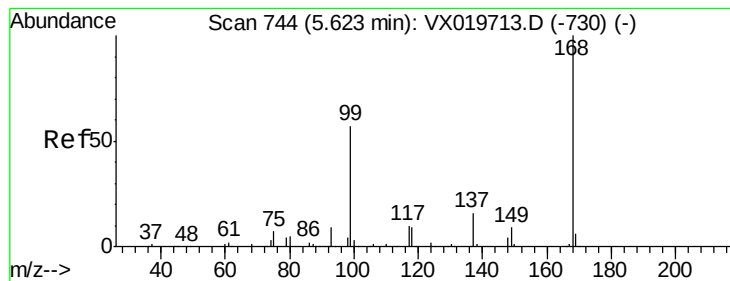
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120420\
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Instrument :
MSVOA_X
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MW-6

Quant Time: Dec 05 03:51:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019730.D

Acq: 04 Dec 2020 20:27

Instrument :

MSVOA_X

ClientSampleId :

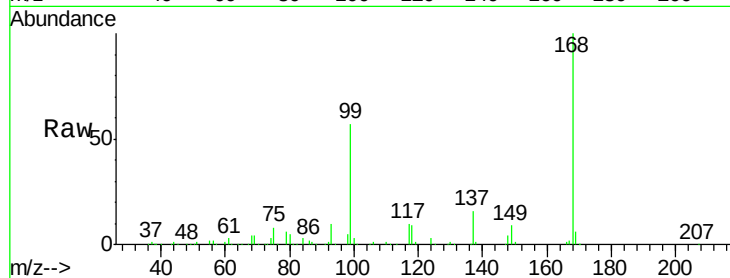
MW-6

Tot Ion:168 Resp: 337133

Ion Ratio Lower Upper

168 100

99 57.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

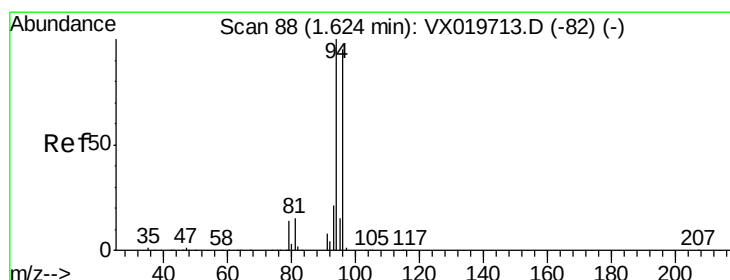
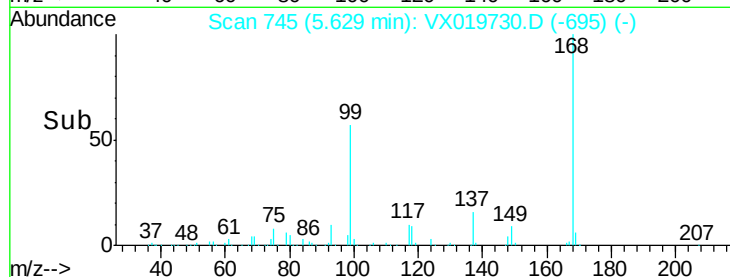
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.532 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019730.D

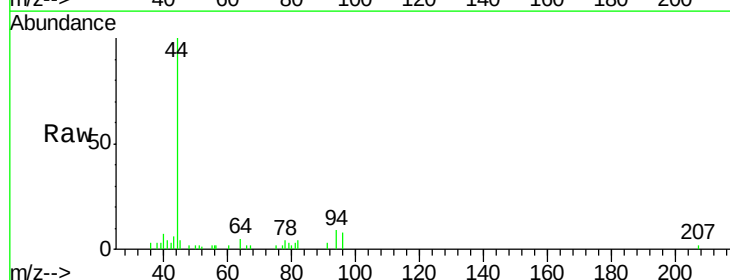
Acq: 04 Dec 2020 20:27

Tgt Ion: 94 Resp: 676

Ion Ratio Lower Upper

94 100

96 79.6 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

400

300

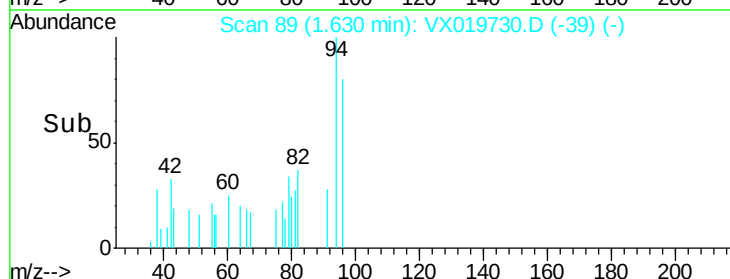
200

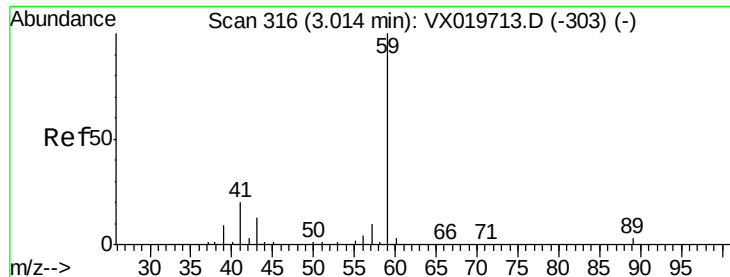
100

0

Time-->

1.60 1.65 1.70

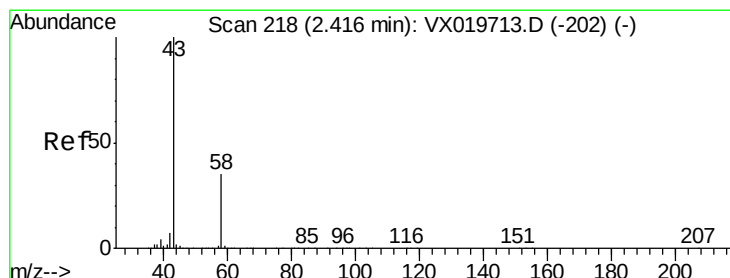
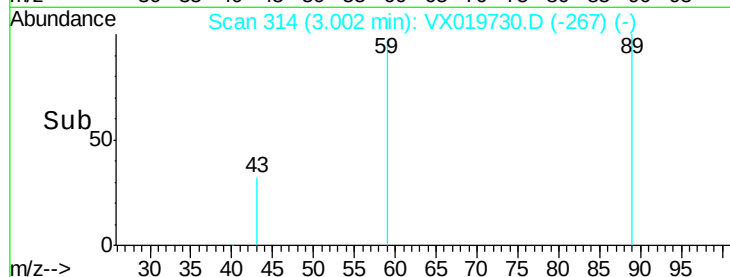
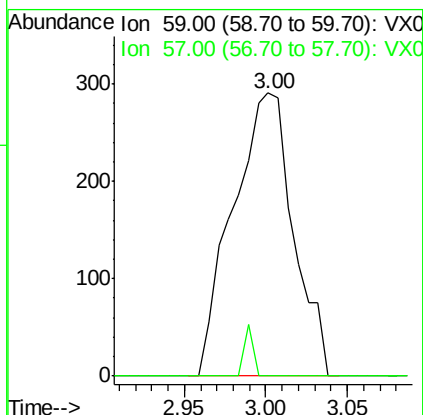
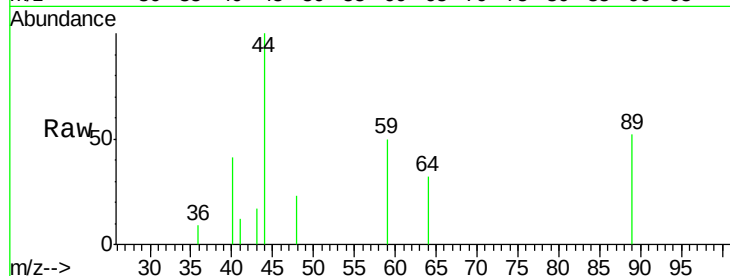




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX019730.D
Acq: 04 Dec 2020 20:27

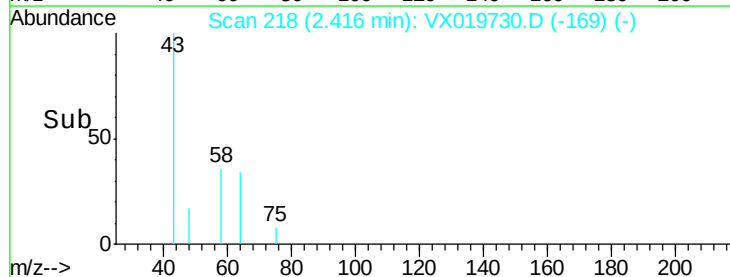
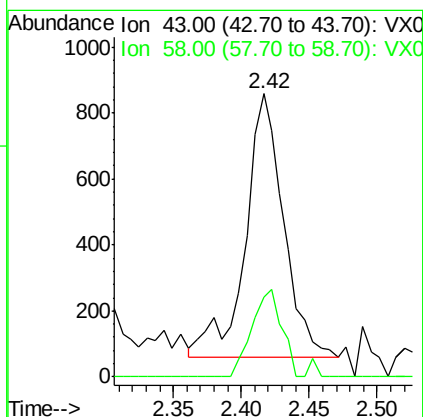
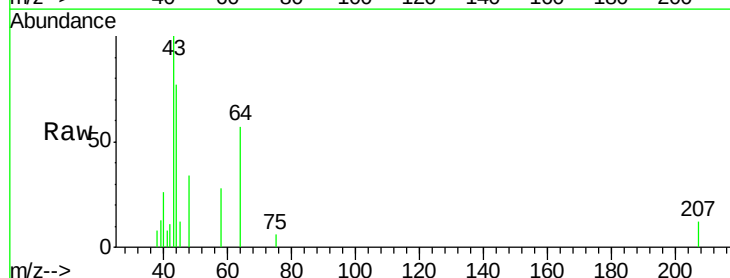
Instrument :
MSVOA_X
ClientSampled :
MW-6

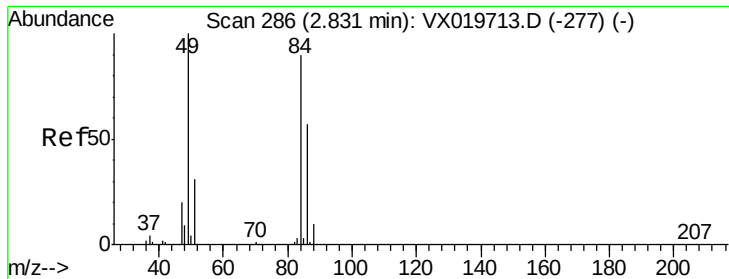
Tot Ion: 59 Resp: 752
Ion Ratio Lower Upper
59 100
57 2.5 7.8 11.8#



#16
Acetone
Concen: 0.952 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX019730.D
Acq: 04 Dec 2020 20:27

Tgt Ion: 43 Resp: 1585
Ion Ratio Lower Upper
43 100
58 30.1 27.8 41.8

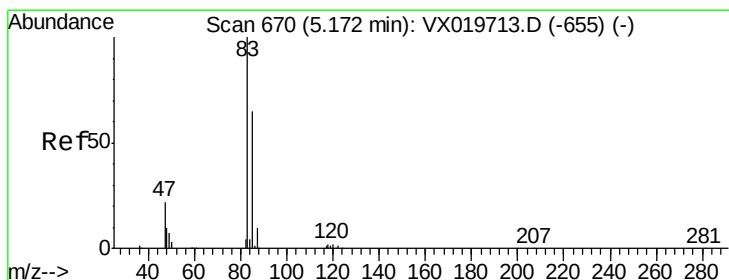
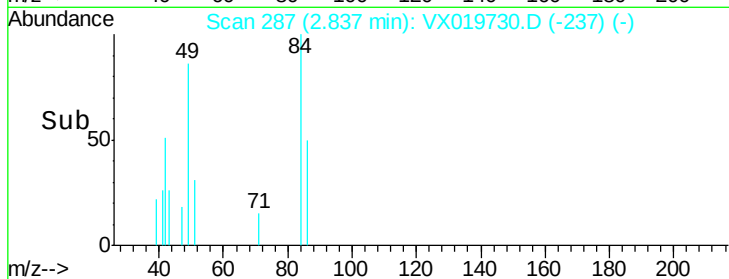
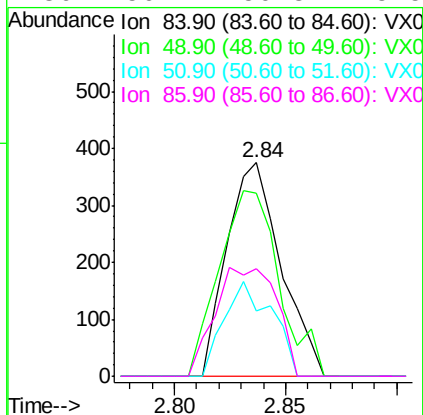
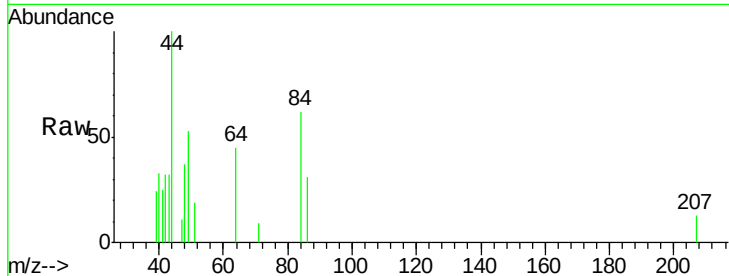




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019730.D
Acq: 04 Dec 2020 20:27

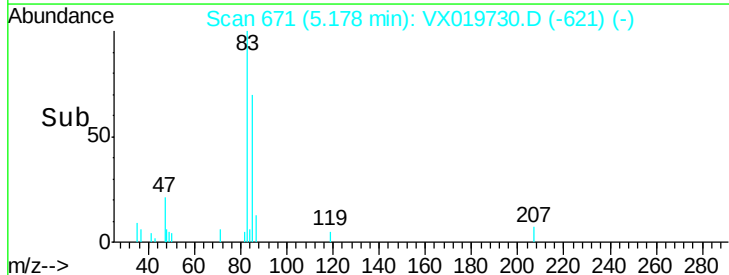
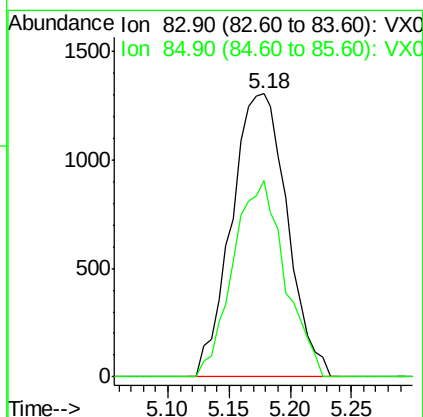
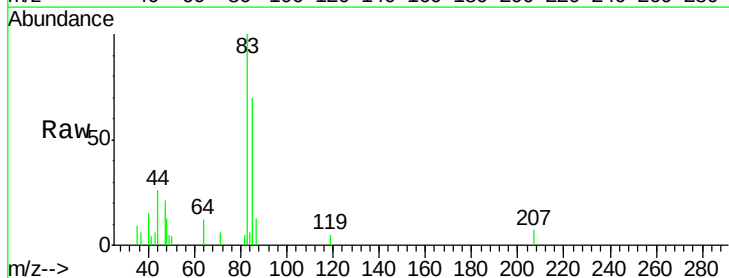
Instrument :
MSVOA_X
ClientSampled :
MW-6

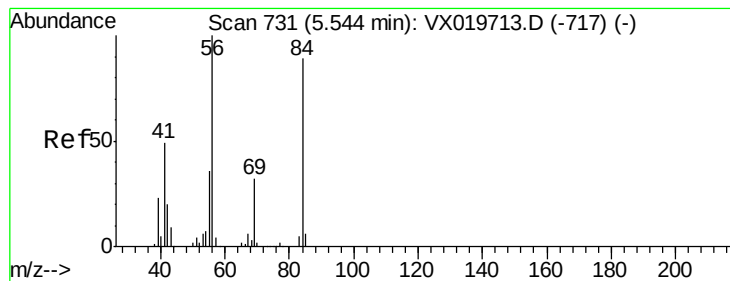
Tot Ion: 84 Resp: 634
Ion Ratio Lower Upper
84 100
49 85.9 88.6 132.8#
51 30.7 27.0 40.6
86 50.1 50.3 75.5#



#30
Chloroform
Concen: 0.629 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX019730.D
Acq: 04 Dec 2020 20:27

Tgt Ion: 83 Resp: 4116
Ion Ratio Lower Upper
83 100
85 69.6 52.0 78.0





#31

Cyclohexane

Concen: 1.210 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019730.D

Acq: 04 Dec 2020 20:27

Instrument :

MSVOA_X

ClientSampled :

MW-6

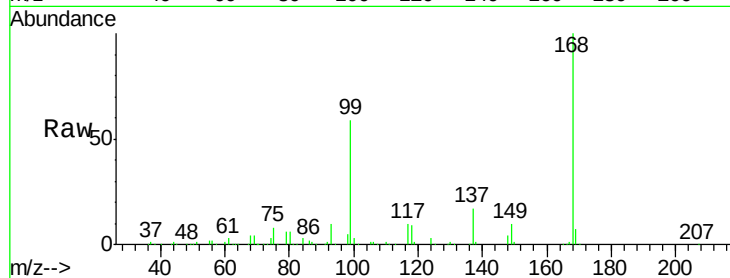
Tot Ion: 56 Resp: 6671

Ion Ratio Lower Upper

56 100

69 202.1 25.3 37.9#

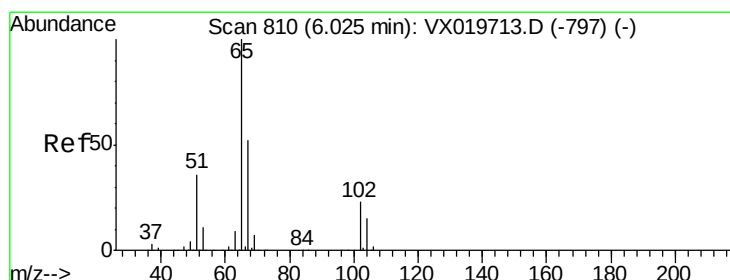
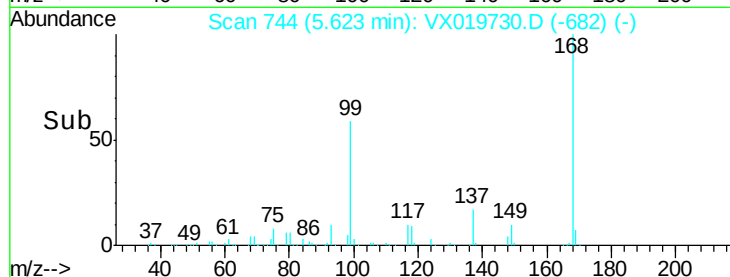
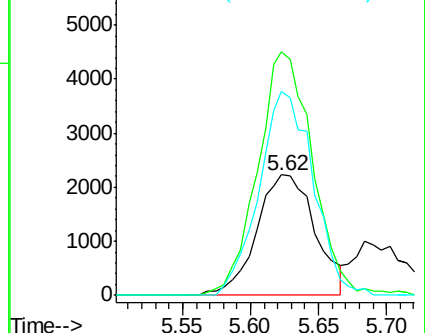
84 169.3 71.4 107.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.034 ug/l

RT: 6.03 min Scan# 810

Delta R.T. 0.00 min

Lab File: VX019730.D

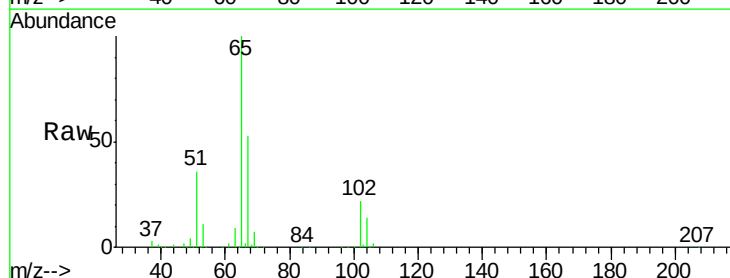
Acq: 04 Dec 2020 20:27

Tgt Ion: 65 Resp: 208405

Ion Ratio Lower Upper

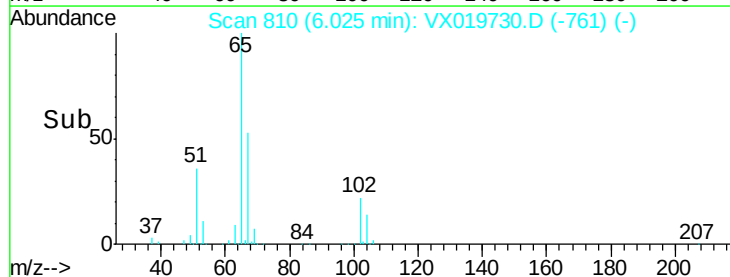
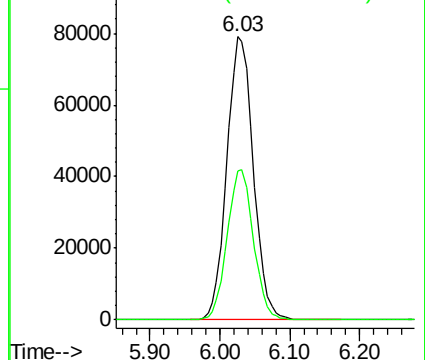
65 100

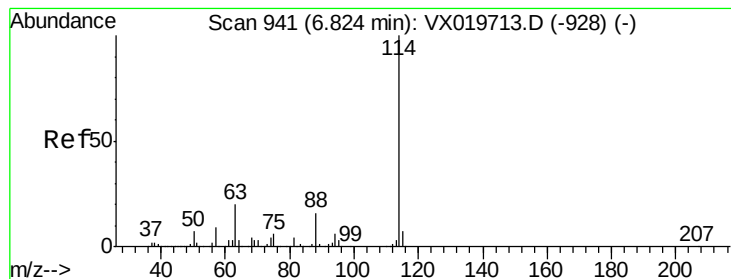
67 52.6 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019730.D

Acq: 04 Dec 2020 20:27

Instrument :

MSVOA_X

ClientSampleId :

MW-6

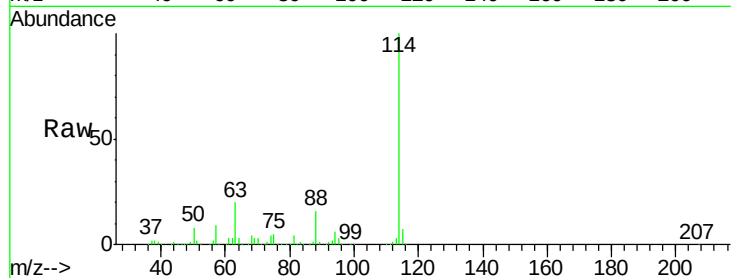
Tot Ion:114 Resp: 549899

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

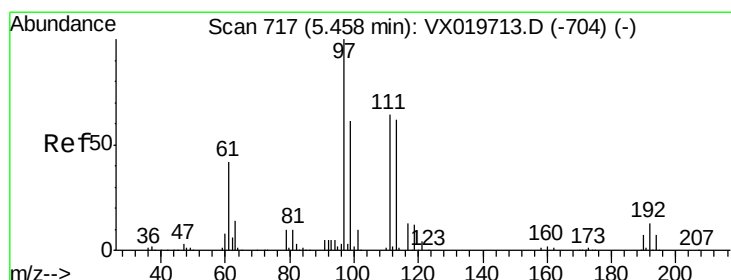
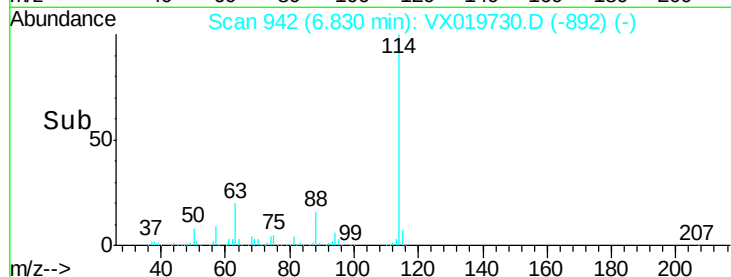
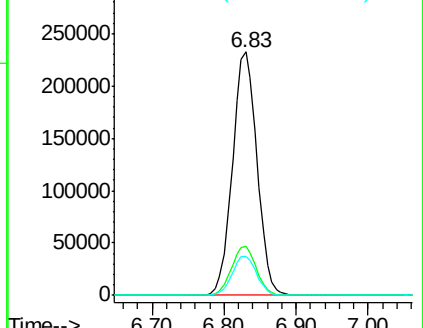
88 16.0 0.0 32.8



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: 47.421 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019730.D

Acq: 04 Dec 2020 20:27

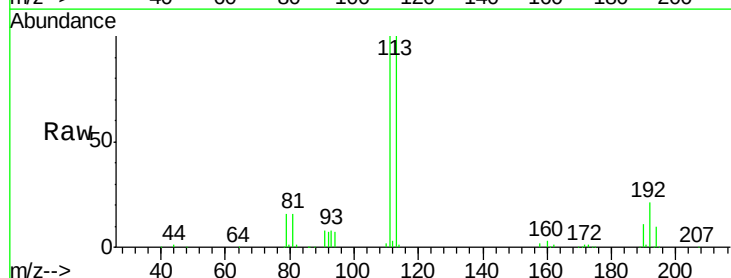
Tgt Ion:113 Resp: 168531

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

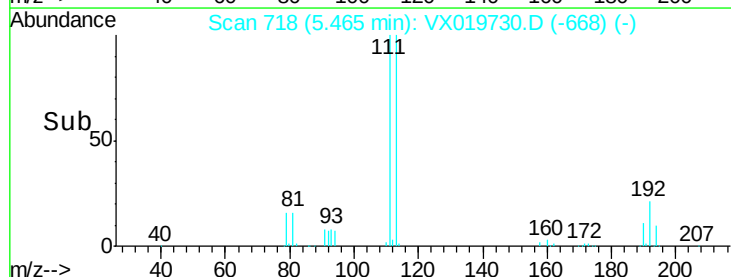
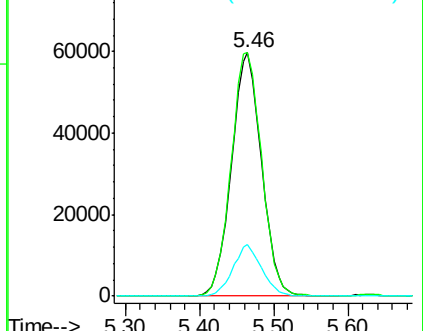
192 20.1 16.7 25.1

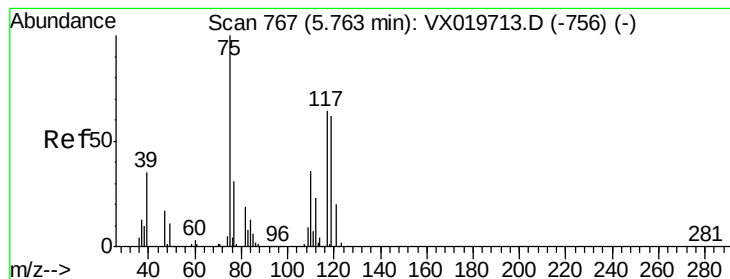


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.127 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019730.D

Acq: 04 Dec 2020 20:27

Instrument :

MSVOA_X

ClientSampled :

MW-6

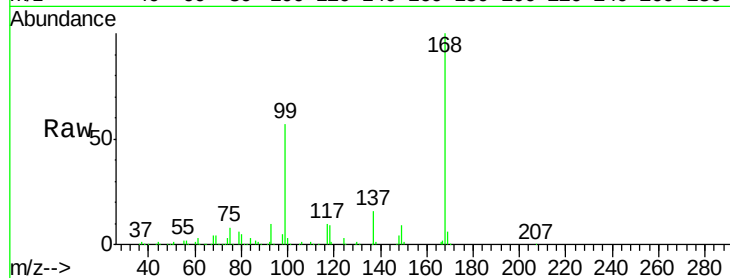
Tot Ion: 75 Resp: 25476

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

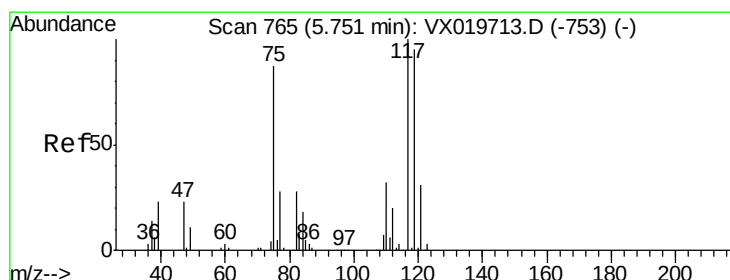
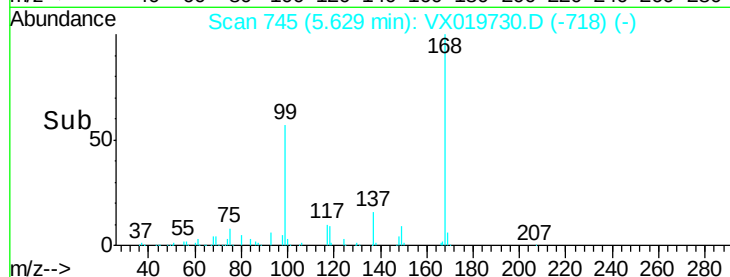
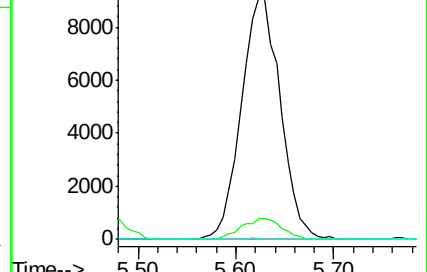
77 0.1 25.3 37.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.648 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019730.D

Acq: 04 Dec 2020 20:27

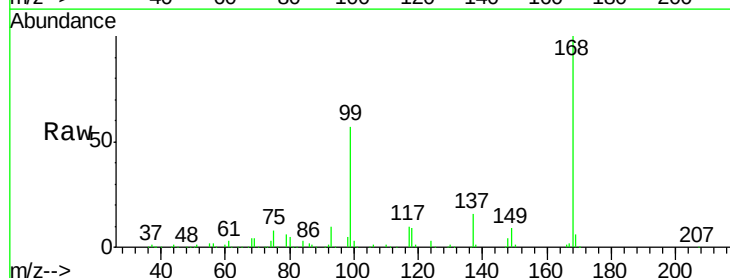
Tgt Ion:117 Resp: 32348

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.2#

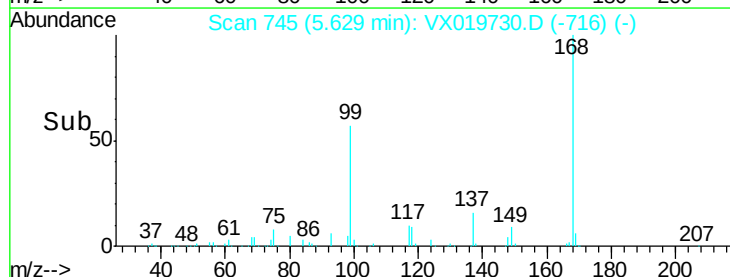
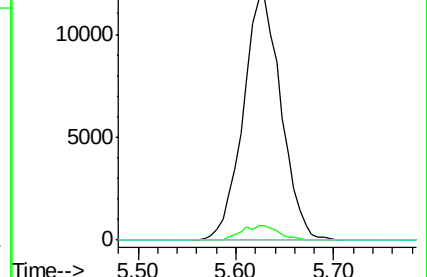
121 0.0 24.8 37.2#

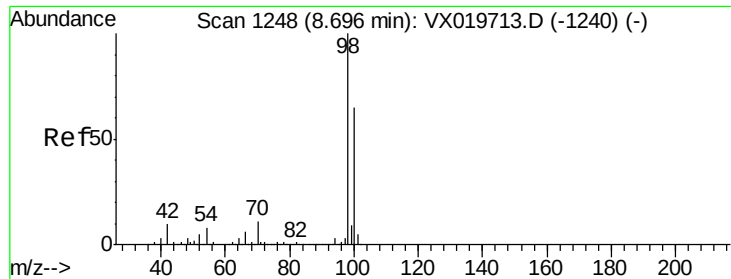


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

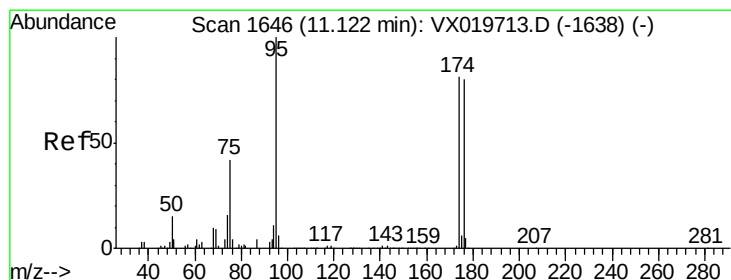
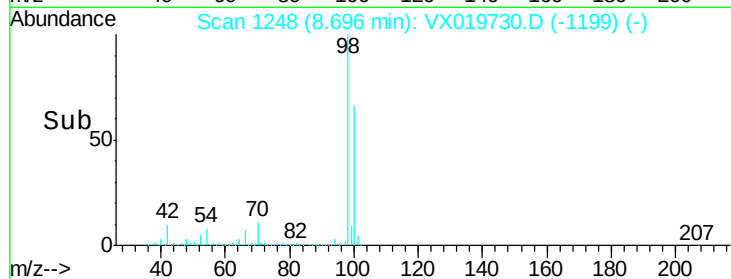
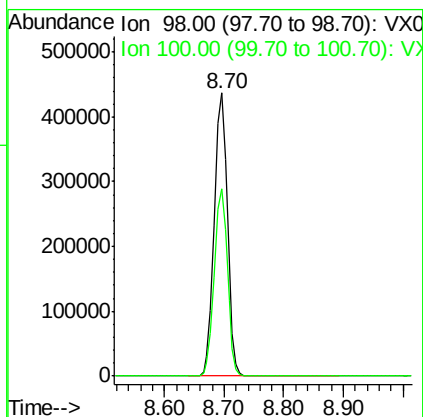
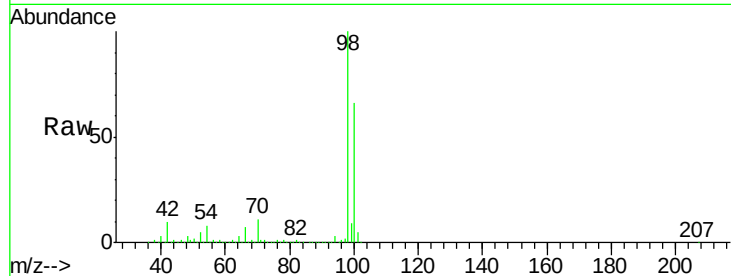




#50
Toluene-d8
Concen: 48.594 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019730.D
Acq: 04 Dec 2020 20:27

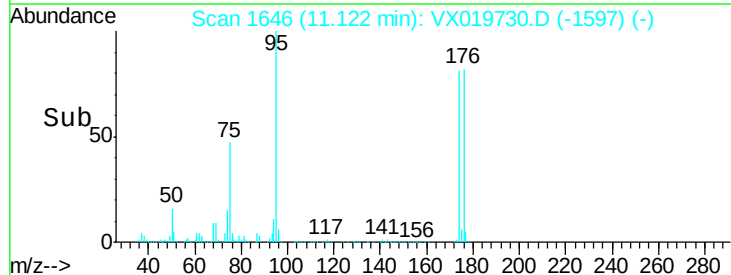
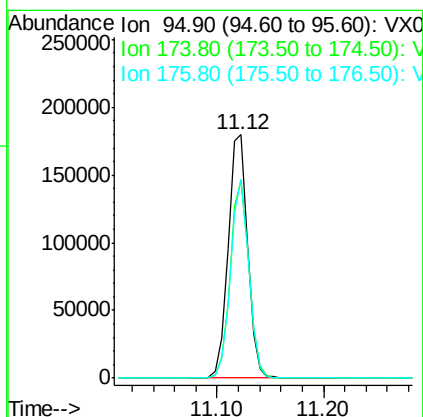
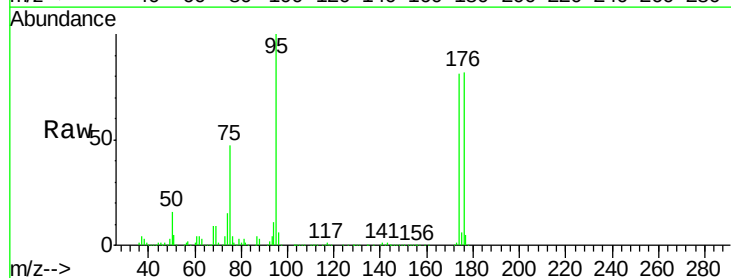
Instrument :
MSVOA_X
ClientSampleId :
MW-6

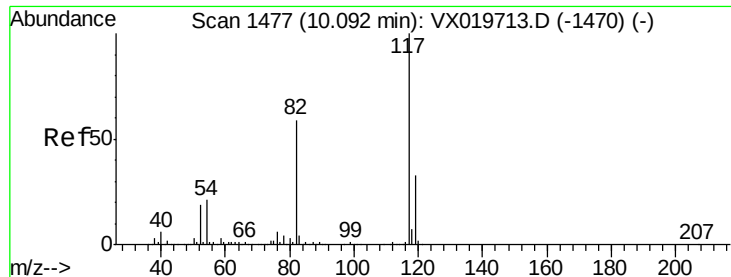
Tot Ion: 98 Resp: 659319
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.654 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019730.D
Acq: 04 Dec 2020 20:27

Tgt Ion: 95 Resp: 230601
Ion Ratio Lower Upper
95 100
174 78.4 0.0 154.6
176 77.0 0.0 155.8

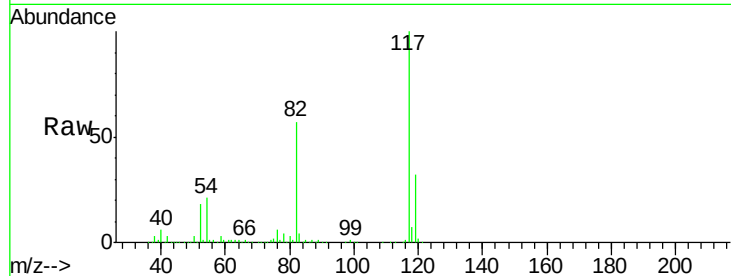




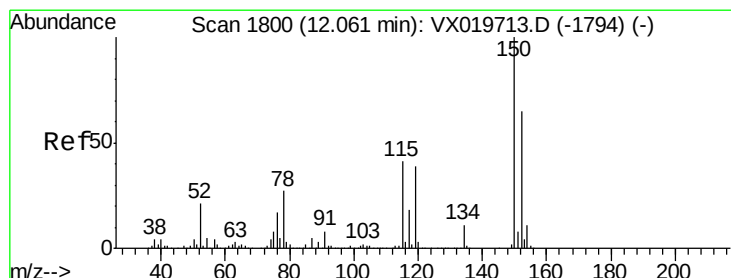
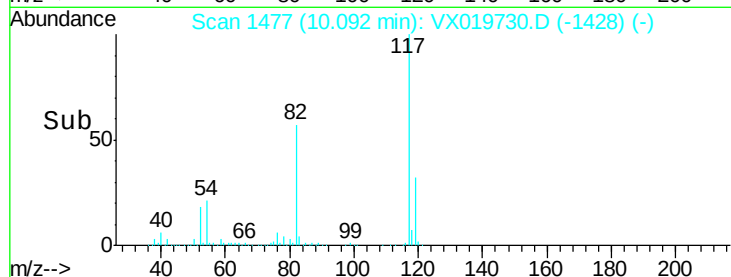
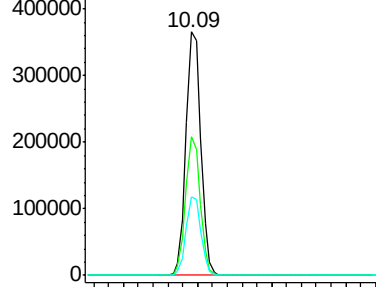
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX019730.D
Acq: 04 Dec 2020 20:27

Instrument :
MSVOA_X
ClientSampleId :
MW-6

Tot Ion:117 Resp: 499064
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 32.3 26.6 39.8

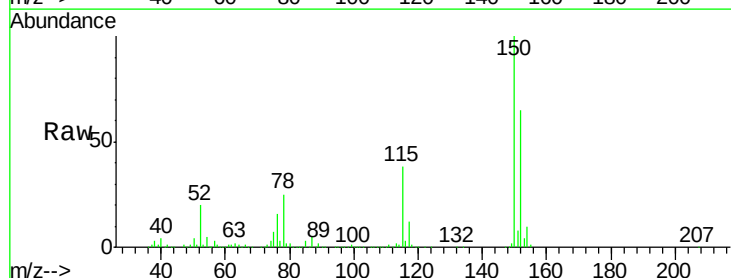


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

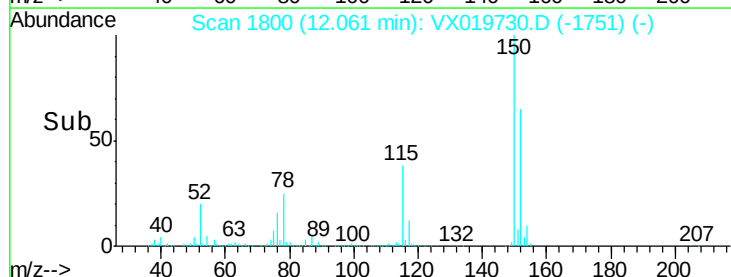
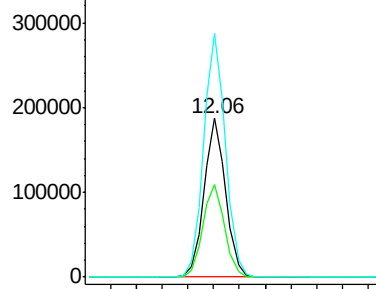


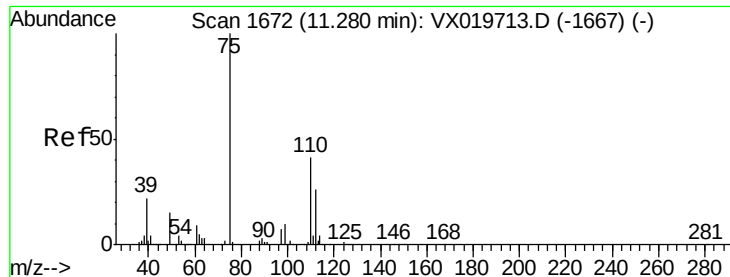
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019730.D
Acq: 04 Dec 2020 20:27

Tgt Ion:152 Resp: 217572
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 156.3 0.0 349.0



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: 22.922 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019730.D

Acq: 04 Dec 2020 20:27

Instrument :

MSVOA_X

ClientSampleId :

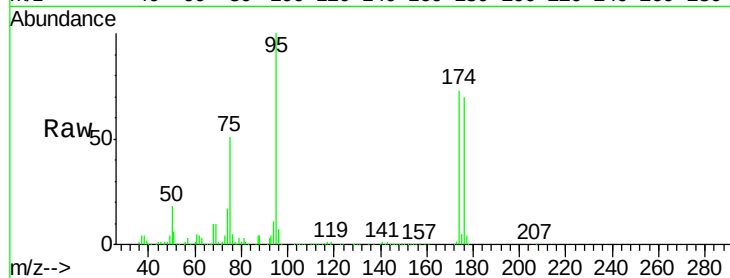
MW-6

Tot Ion: 75 Resp: 111856

Ion Ratio Lower Upper

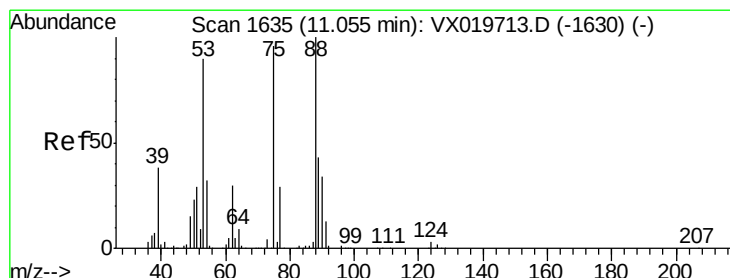
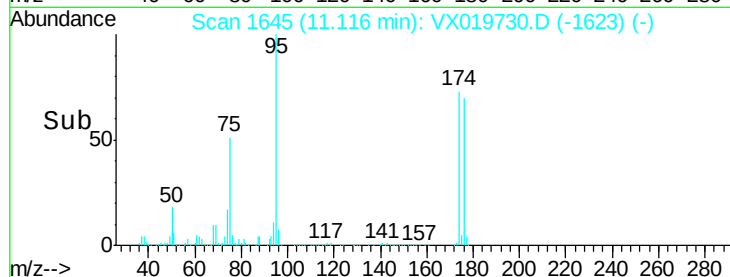
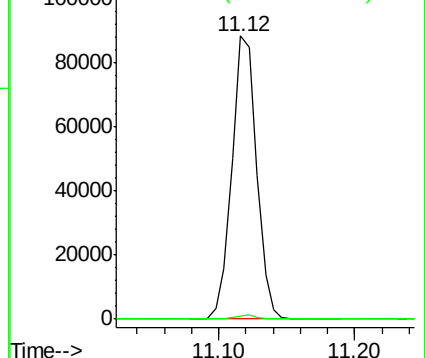
75 100

77 1.4 19.1 57.5#



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: 66.265 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019730.D

Acq: 04 Dec 2020 20:27

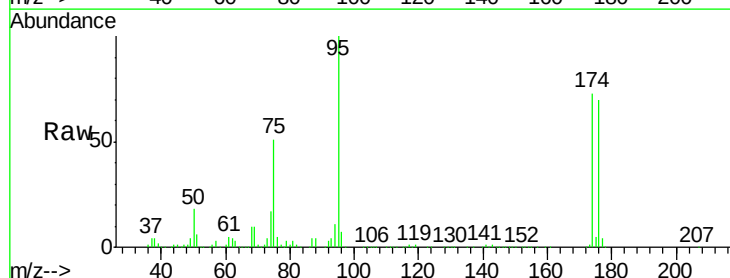
Tgt Ion: 75 Resp: 111856

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

