

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019729.D
 Acq On : 04 Dec 2020 20:04
 Operator : JC/MD
 Sample : L4960-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Dec 05 03:50:56 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	5.62	168	335781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	549353	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	492090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	214012	50.00	ug/l	0.00

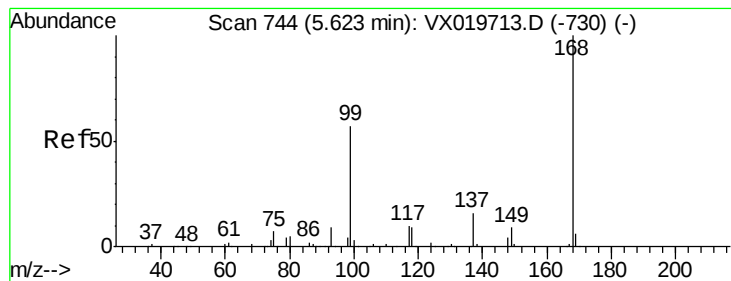
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	206131	46.71	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.42%
35) Dibromofluoromethane	5.46	113	166395	46.87	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.74%
50) Toluene-d8	8.70	98	657883	48.54	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.08%
62) 4-Bromofluorobenzene	11.12	95	227970	44.19	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.38%

Target Compounds

					Qvalue	
5) Bromomethane	1.64	94	767	0.606	ug/l	90
11) Tert butyl alcohol	3.00	59	467	Below Cal	#	73
13) Acrolein	2.28	56	343	0.704	ug/l #	63
16) Acetone	2.42	43	1425	0.859	ug/l #	85
20) Methylene Chloride	2.83	84	461	Below Cal		93
31) Cyclohexane	5.62	56	6446	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	25342	5.105	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32713	6.729	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	111381	23.205	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	111381	67.081	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX019729.D

Acq: 04 Dec 2020 20:04

Instrument :

MSVOA_X

ClientSampleId :

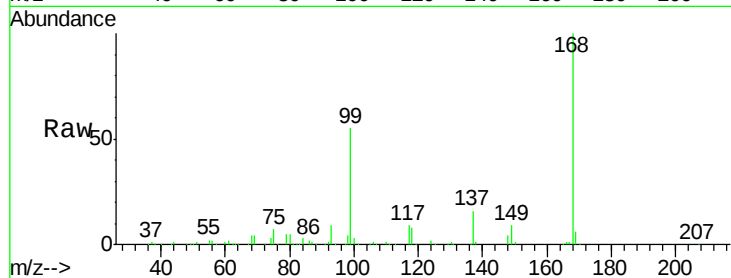
MW-7

Tot Ion:168 Resp: 335781

Ion Ratio Lower Upper

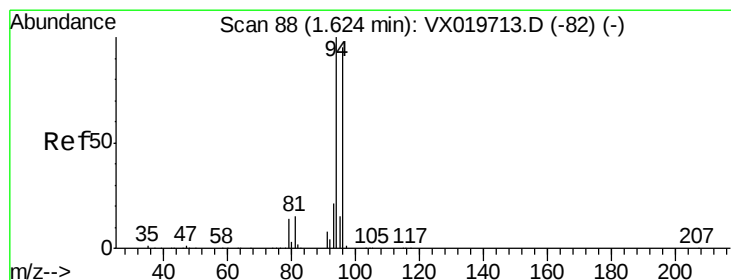
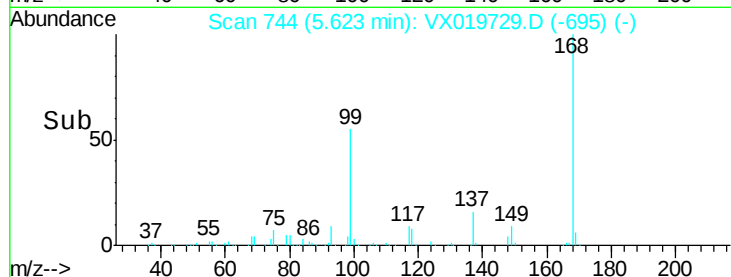
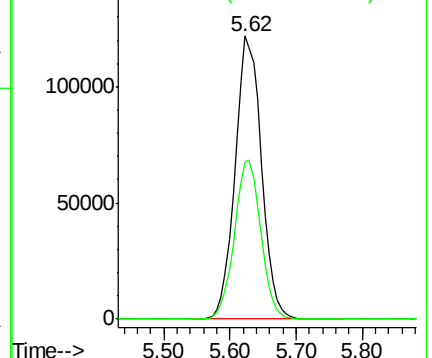
168 100

99 55.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.606 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019729.D

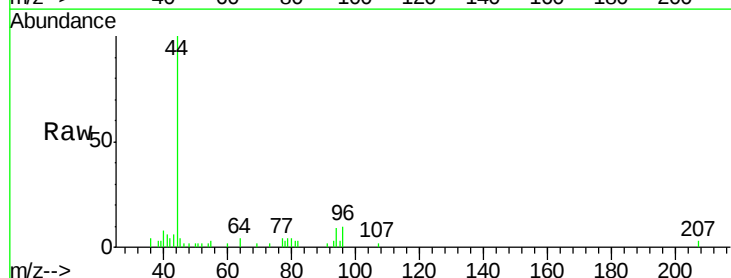
Acq: 04 Dec 2020 20:04

Tgt Ion: 94 Resp: 767

Ion Ratio Lower Upper

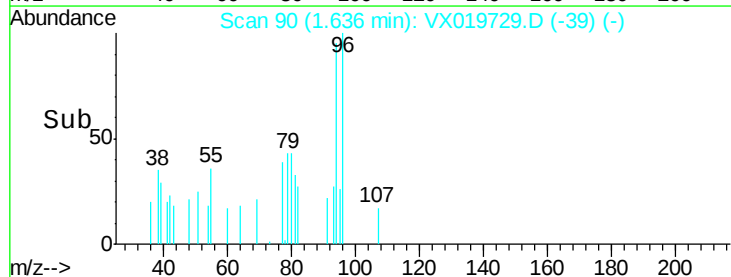
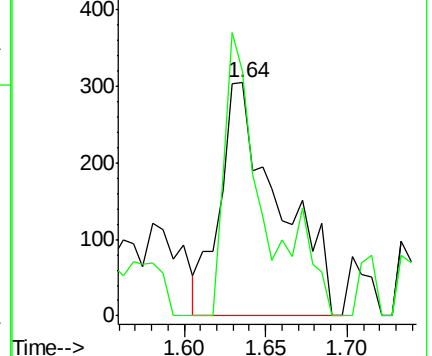
94 100

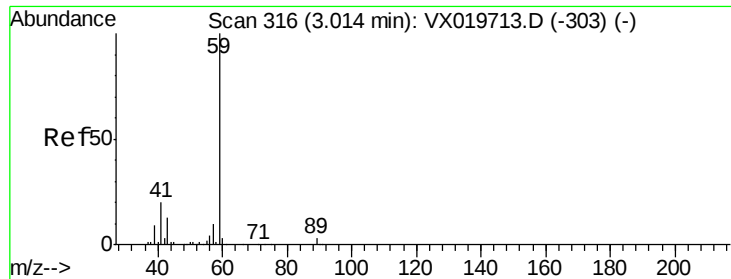
96 105.2 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

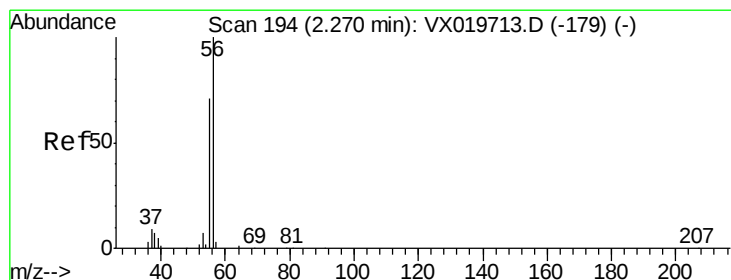
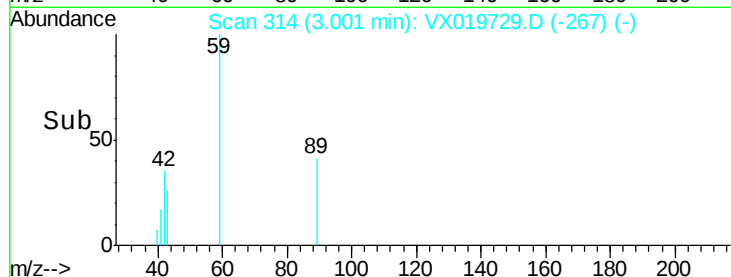
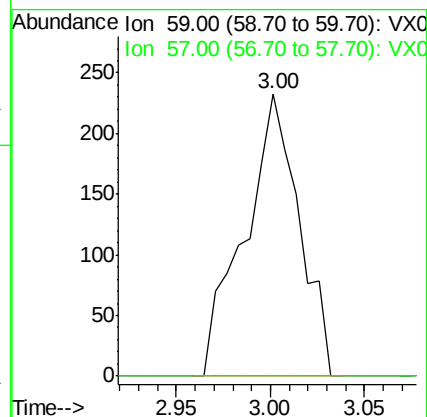
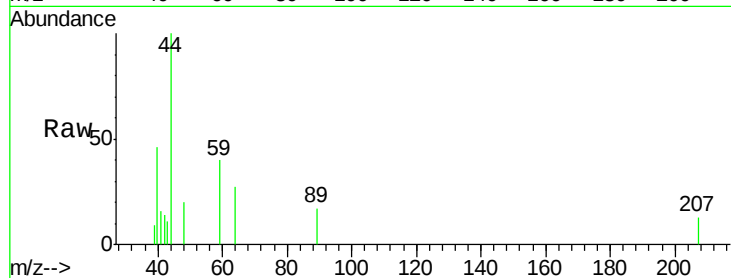




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX019729.D
Acq: 04 Dec 2020 20:04

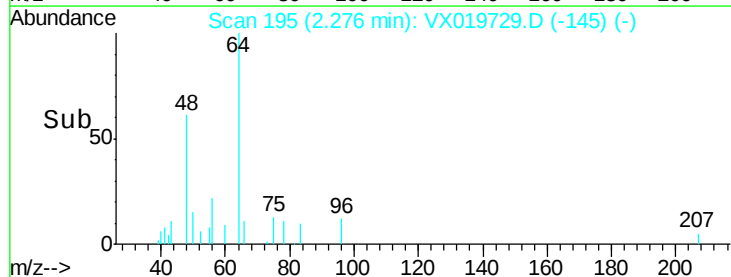
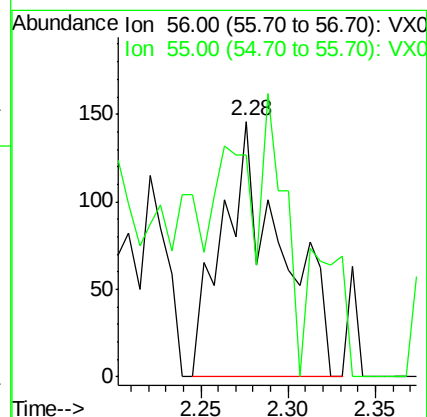
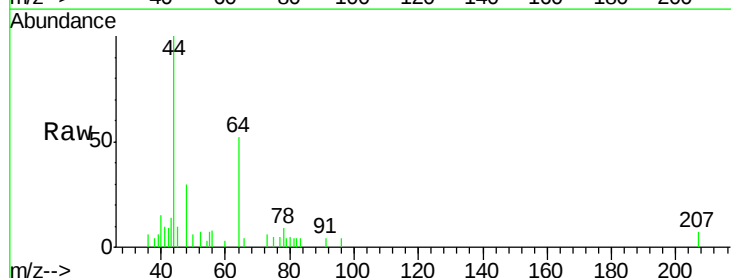
Instrument :
MSVOA_X
ClientSampled :
MW-7

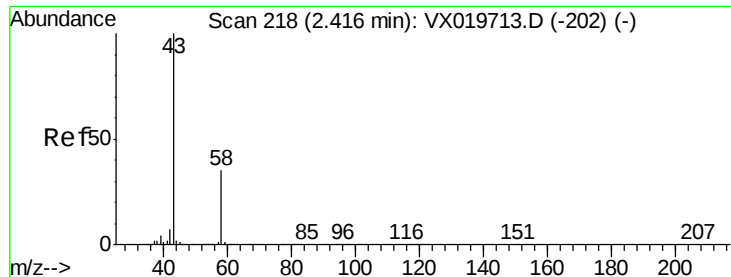
Tot Ion: 59 Resp: 467
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.704 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX019729.D
Acq: 04 Dec 2020 20:04

Tgt Ion: 56 Resp: 343
Ion Ratio Lower Upper
56 100
55 39.9 56.4 84.6#





#16

Acetone

Concen: 0.859 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX019729.D

Acq: 04 Dec 2020 20:04

Instrument :

MSVOA_X

ClientSampleId :

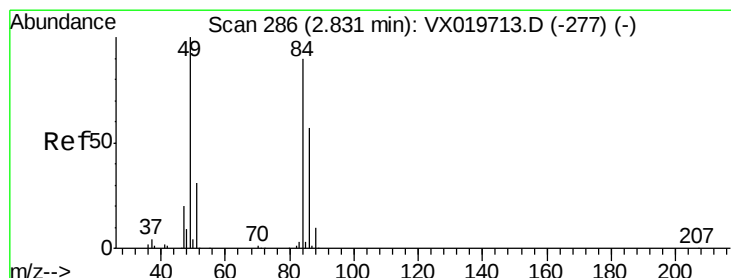
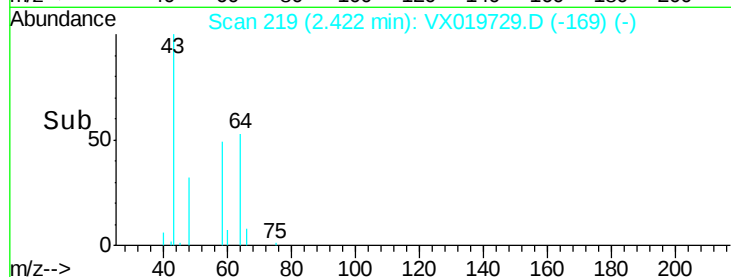
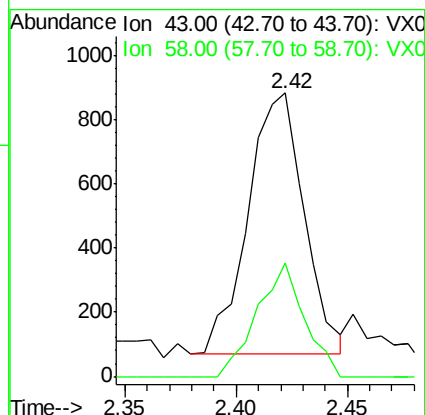
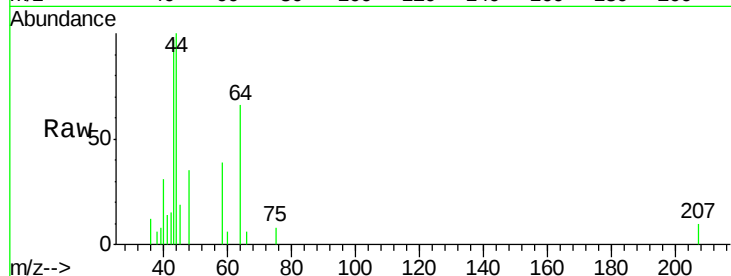
MW-7

Tot Ion: 43 Resp: 1425

Ion Ratio Lower Upper

43 100

58 43.2 27.8 41.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019729.D

Acq: 04 Dec 2020 20:04

Tgt Ion: 84 Resp: 461

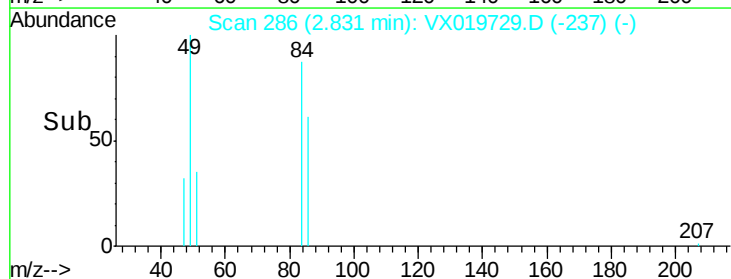
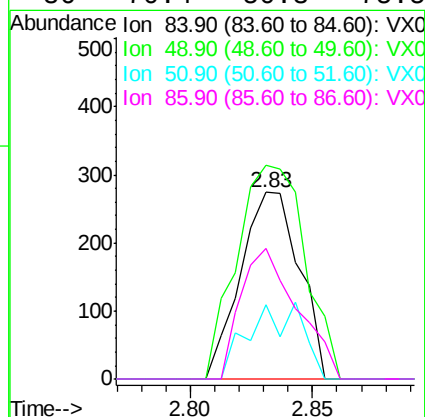
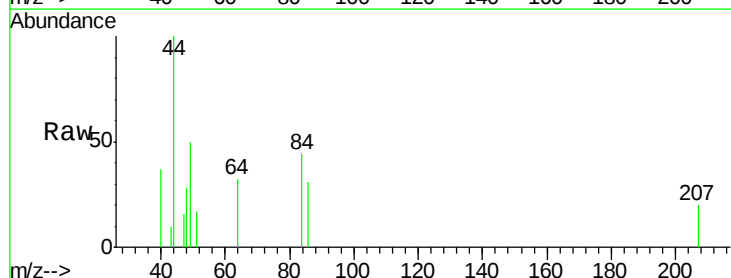
Ion Ratio Lower Upper

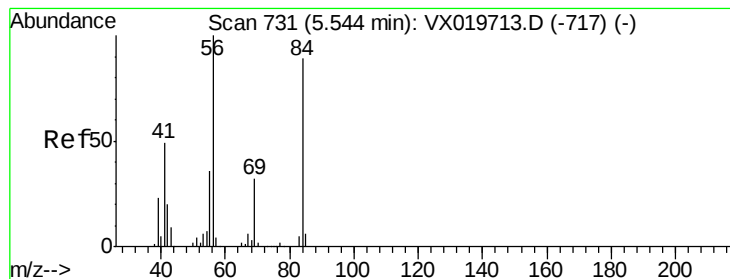
84 100

49 114.6 88.6 132.8

51 39.8 27.0 40.6

86 70.4 50.3 75.5





#31

Cyclohexane

Concen: 1.174 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019729.D

Acq: 04 Dec 2020 20:04

Instrument :

MSVOA_X

ClientSampleId :

MW-7

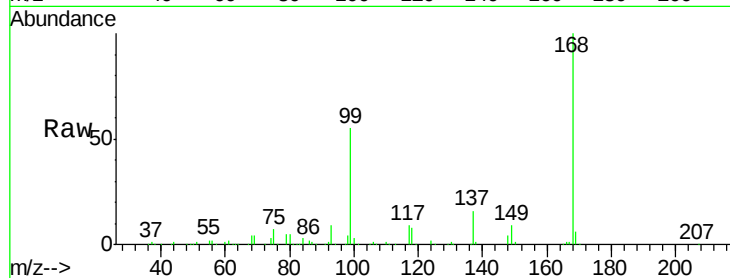
Tot Ion: 56 Resp: 6446

Ion Ratio Lower Upper

56 100

69 177.0 25.3 37.9#

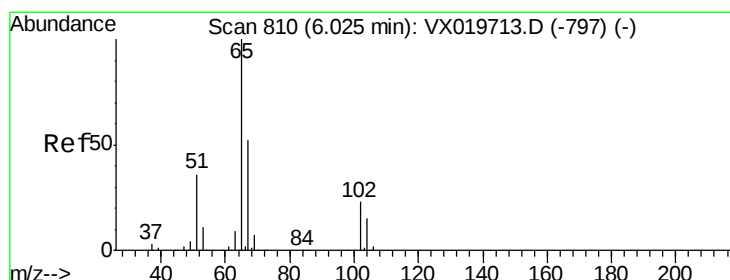
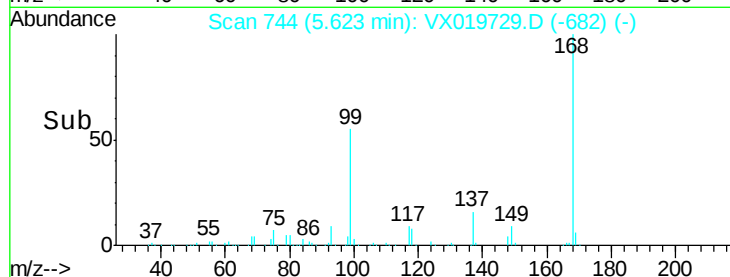
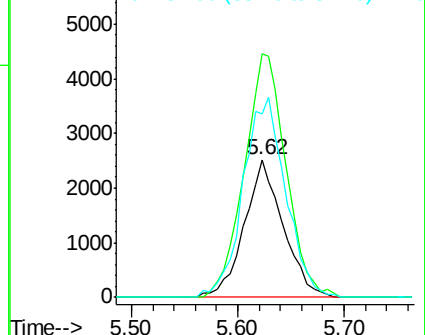
84 133.6 71.4 107.0#



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: 46.708 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019729.D

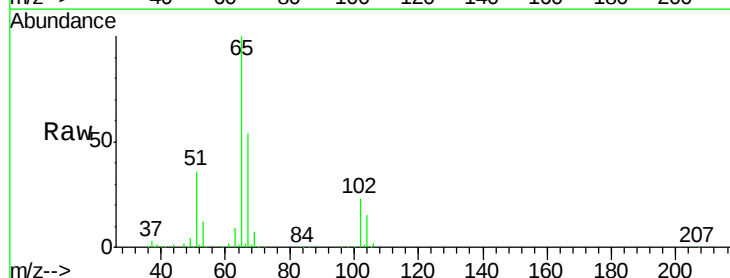
Acq: 04 Dec 2020 20:04

Tgt Ion: 65 Resp: 206131

Ion Ratio Lower Upper

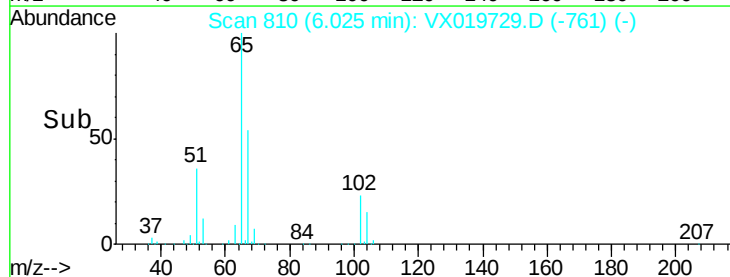
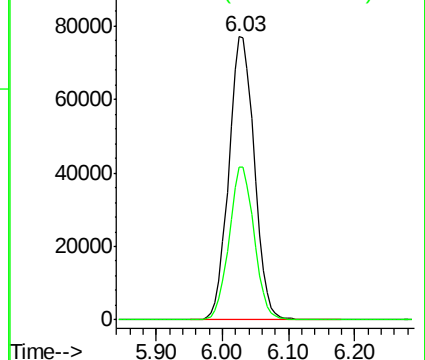
65 100

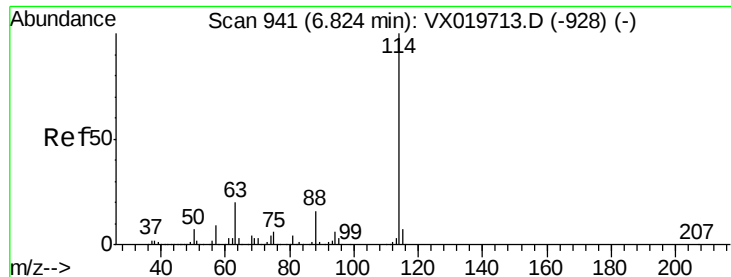
67 53.0 0.0 105.4



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: VX019729.D

Acq: 04 Dec 2020 20:04

Instrument :

MSVOA_X

ClientSampleId :

MW-7

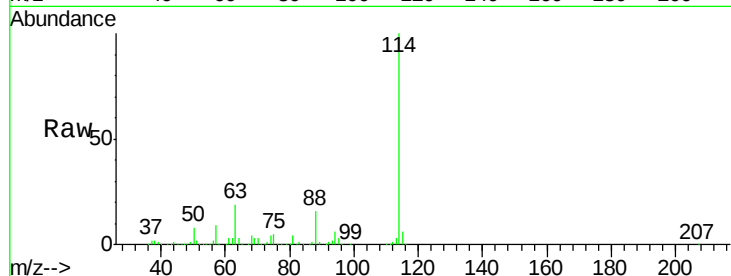
Tot Ion:114 Resp: 549353

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

88 15.7 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

300000

250000

200000

150000

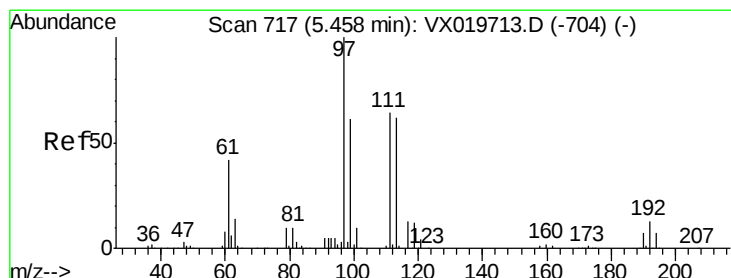
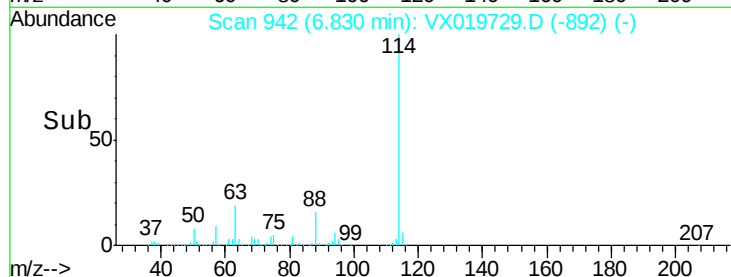
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 46.867 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019729.D

Acq: 04 Dec 2020 20:04

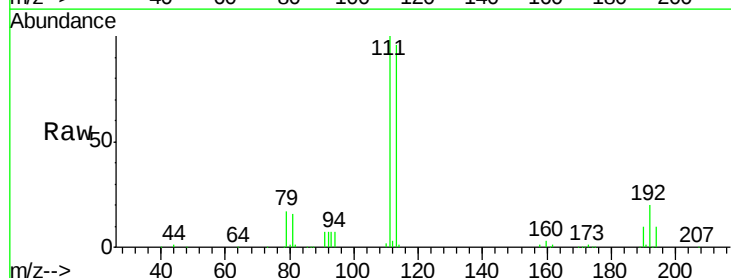
Tgt Ion:113 Resp: 166395

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 21.1 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

80000

60000

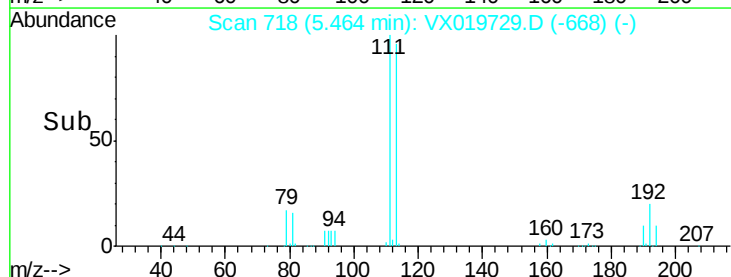
40000

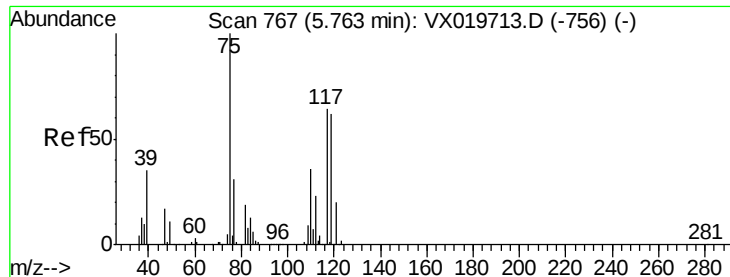
20000

0

5.30 5.40 5.50 5.60

Time-->

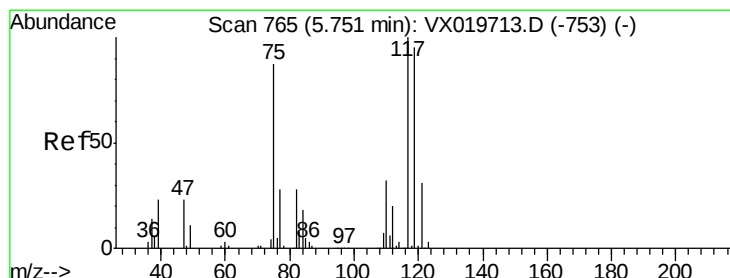
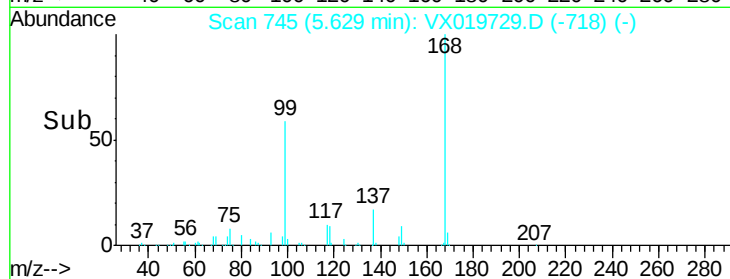
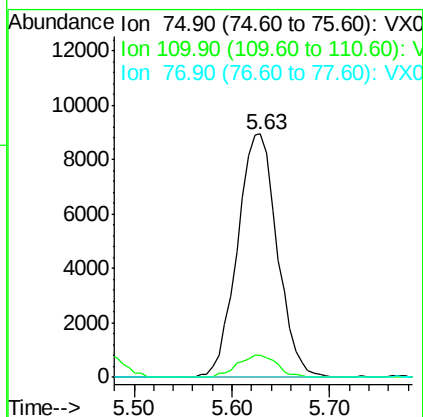
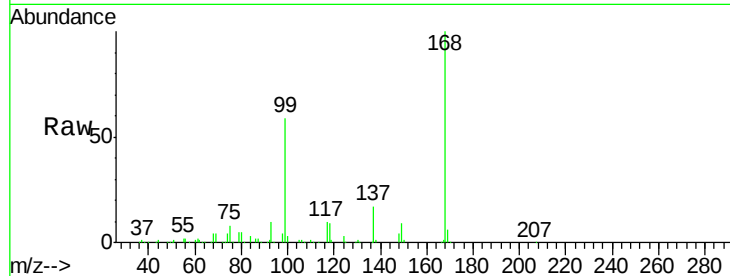




#36
 1,1-Dichloropropene
 Concen: 5.105 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019729.D
 Acq: 04 Dec 2020 20:04

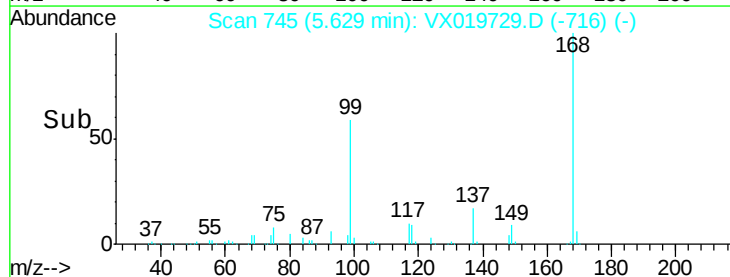
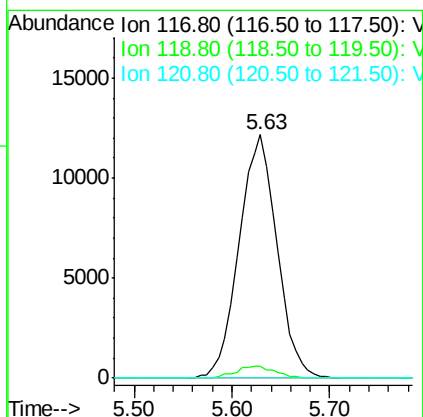
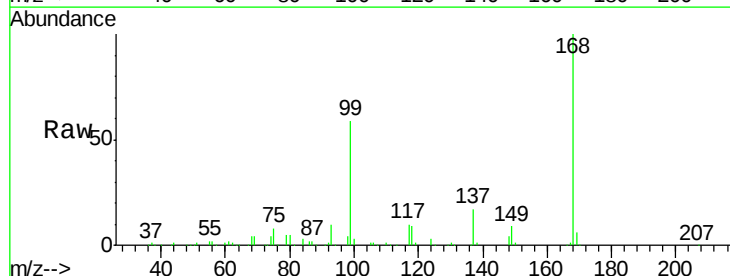
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

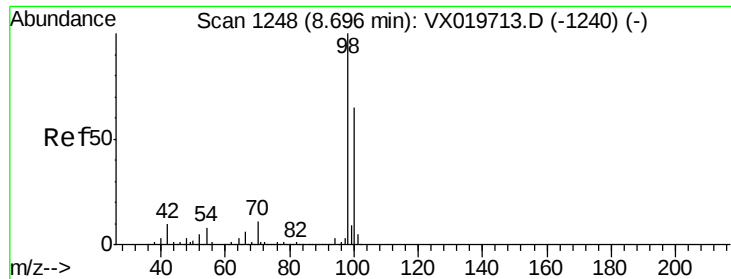
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.729 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019729.D
 Acq: 04 Dec 2020 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.2	114.2#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 48.536 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019729.D

Acq: 04 Dec 2020 20:04

Instrument :

MSVOA_X

ClientSampleId :

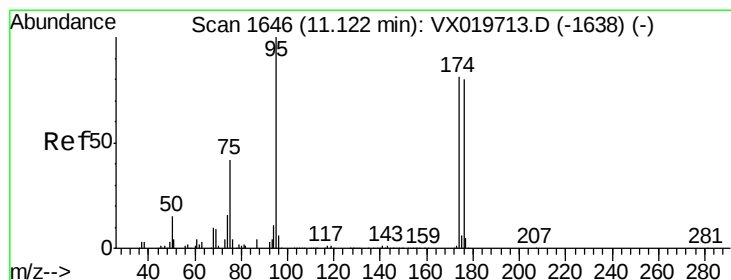
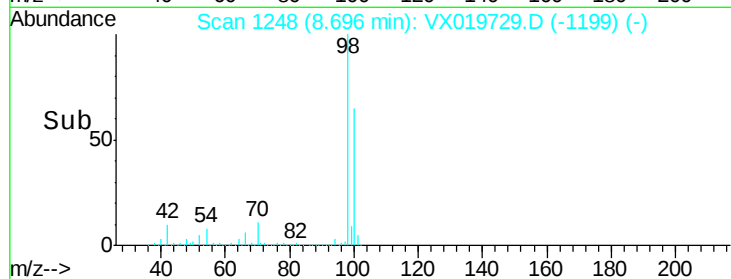
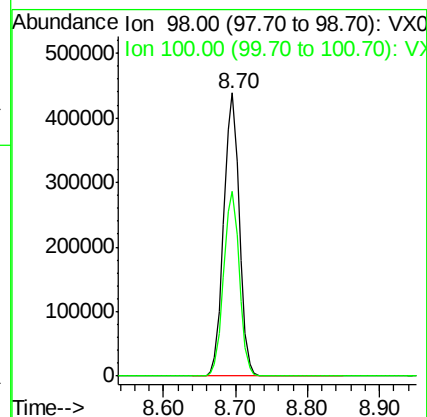
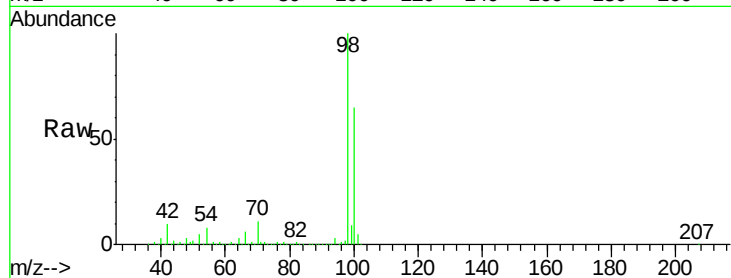
MW-7

Tot Ion: 98 Resp: 657883

Ion Ratio Lower Upper

98 100

100 65.8 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 44.189 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019729.D

Acq: 04 Dec 2020 20:04

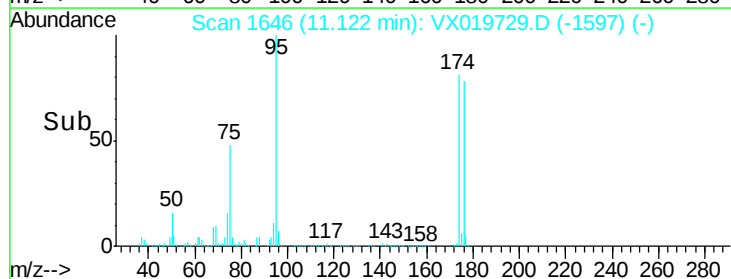
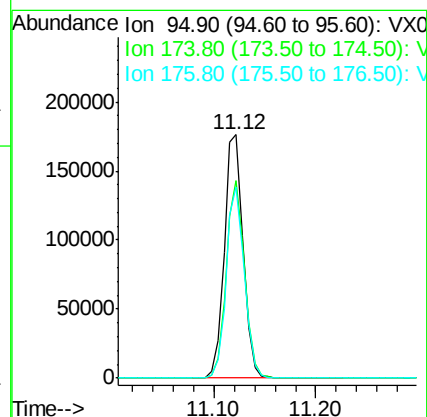
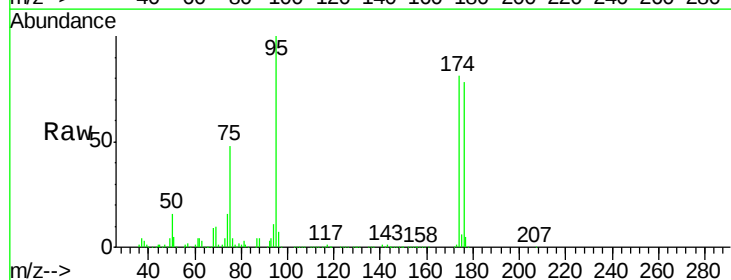
Tgt Ion: 95 Resp: 227970

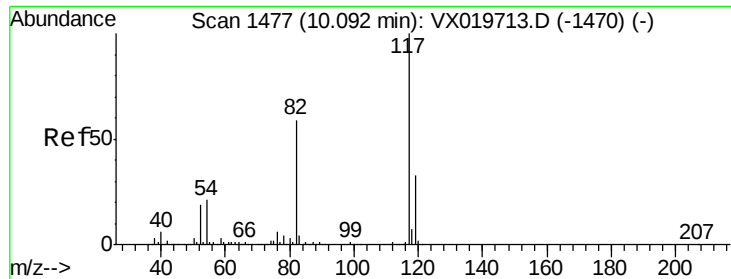
Ion Ratio Lower Upper

95 100

174 78.0 0.0 154.6

176 75.1 0.0 155.8

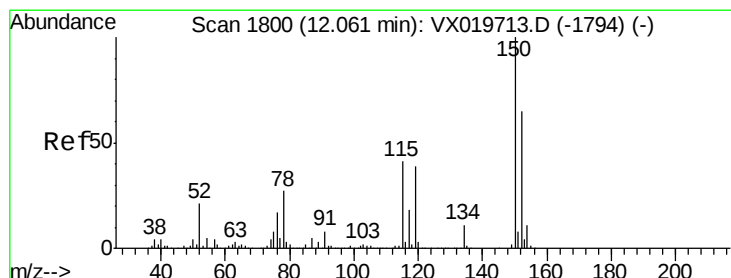
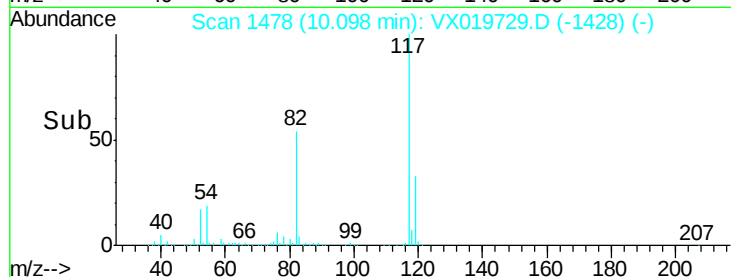
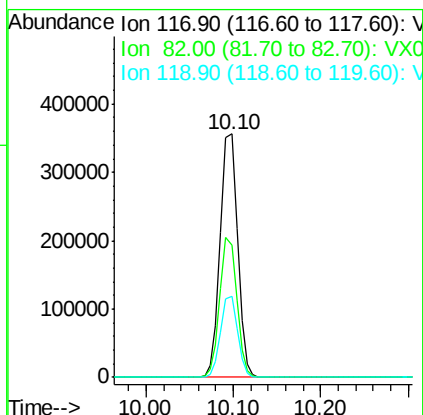
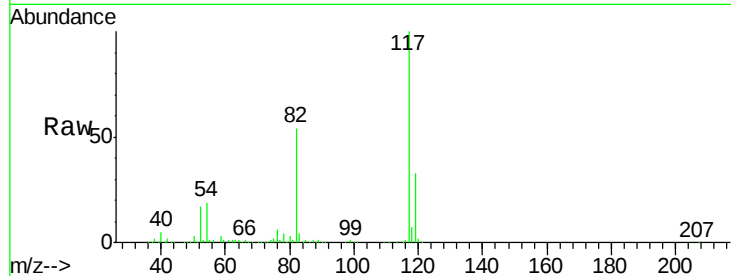




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019729.D
Acq: 04 Dec 2020 20:04

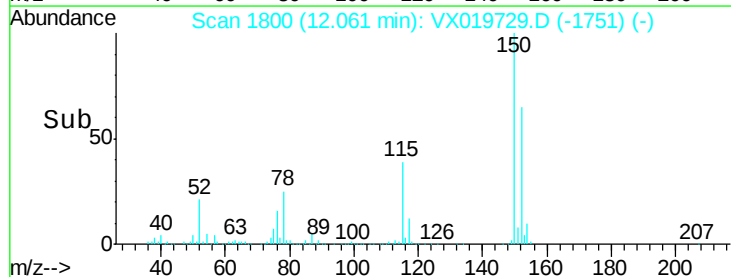
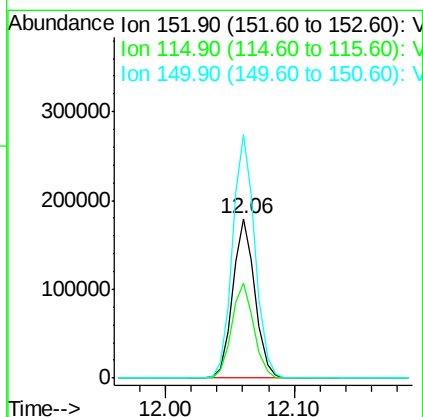
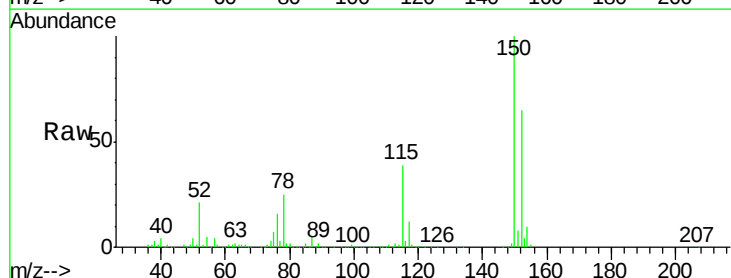
Instrument :
MSVOA_X
ClientSampleId :
MW-7

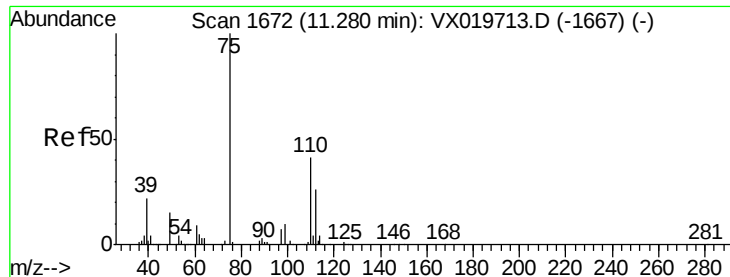
Tot Ion:117 Resp: 492090
Ion Ratio Lower Upper
117 100
82 54.5 47.4 71.2
119 33.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019729.D
Acq: 04 Dec 2020 20:04

Tgt Ion:152 Resp: 214012
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 155.2 0.0 349.0

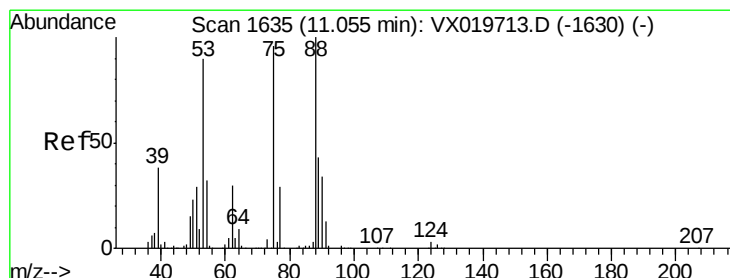
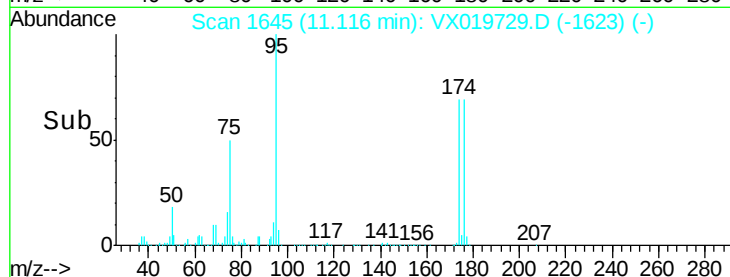
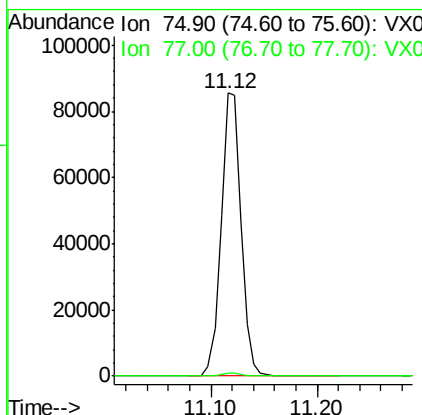
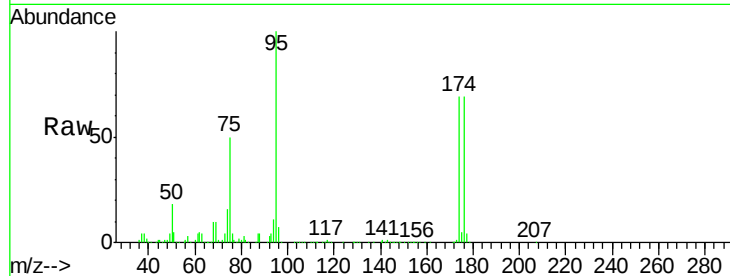




#76
 1,2,3-Trichloropropane
 Concen: 23.205 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. -0.16 min
 Lab File: VX019729.D
 Acq: 04 Dec 2020 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Tot Ion: 75 Resp: 111381
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.081 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. 0.06 min
 Lab File: VX019729.D
 Acq: 04 Dec 2020 20:04

Tgt Ion: 75 Resp: 111381
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

