

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016808.D
 Acq On : 17 Jun 2020 03:35
 Operator : JC/SP
 Sample : L2984-06 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Jun 17 05:07:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	284028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	509983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	456885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	273216	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	157680	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	5.46	113	137987	43.85	ug/l	0.00
Spiked Amount			Recovery	=	87.70%	
50) Toluene-d8	8.70	98	549472	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
62) 4-Bromofluorobenzene	11.12	95	225345	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	

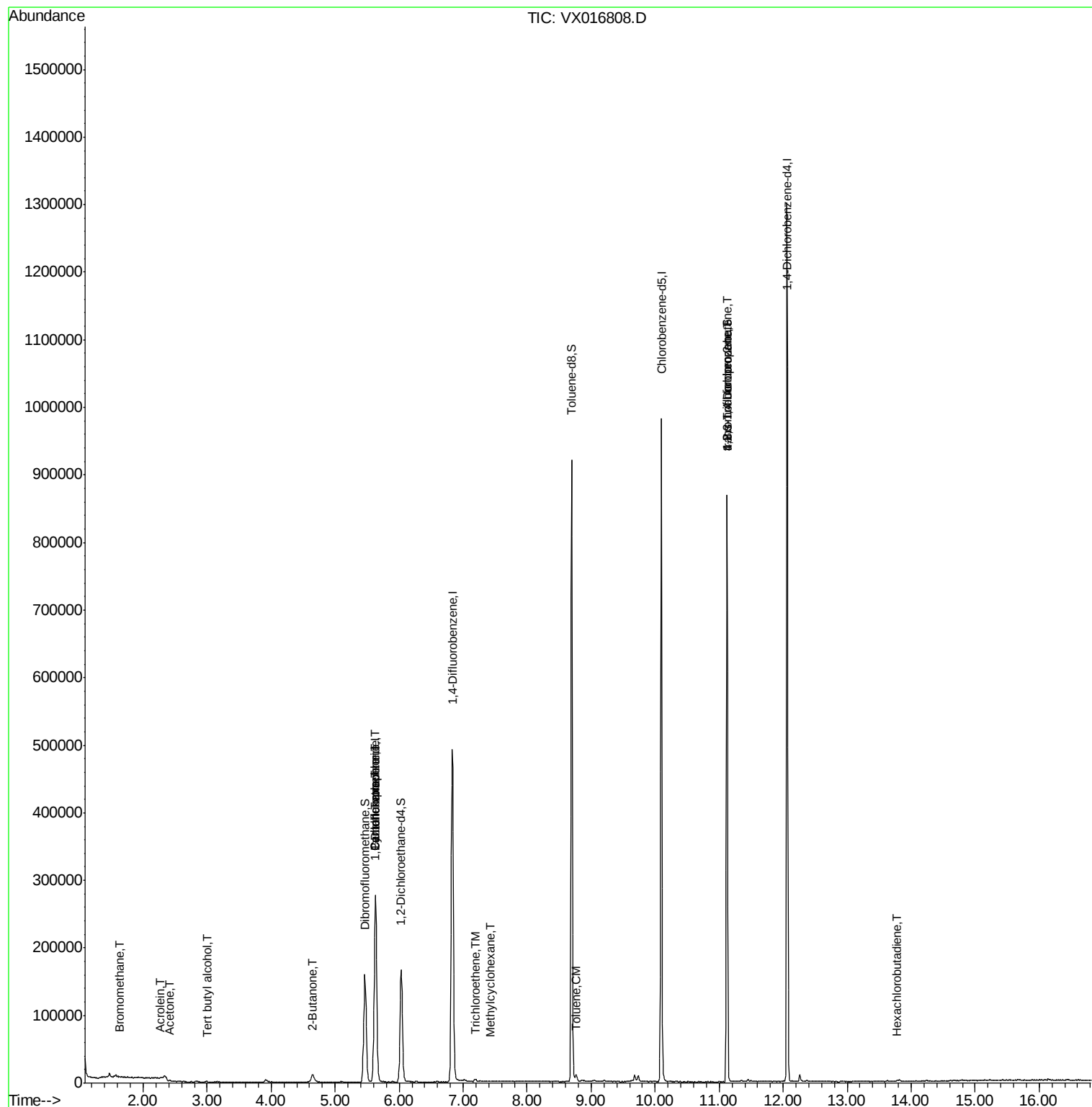
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	470	0.229	ug/l #	51
11) Tert butyl alcohol	3.01	59	555	0.692	ug/l #	82
13) Acrolein	2.28	56	541	3.874	ug/l	99
16) Acetone	2.42	43	1804	1.245	ug/l	92
25) 2-Butanone	4.65	43	2516	1.152	ug/l #	77
31) Cyclohexane	5.63	56	4848	1.859	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	19142	4.247	ug/l #	50
38) Carbon Tetrachloride	5.63	117	25459	4.974	ug/l #	16
39) Methylcyclohexane	7.43	83	66	0.965	ug/l #	19
44) Trichloroethene	7.18	130	1583	0.373	ug/l	67
52) Toluene	8.77	92	1913	0.215	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	106627	18.558	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	106627	46.719	ug/l #	13
94) Hexachlorobutadiene	13.77	225	131	0.463	ug/l #	41

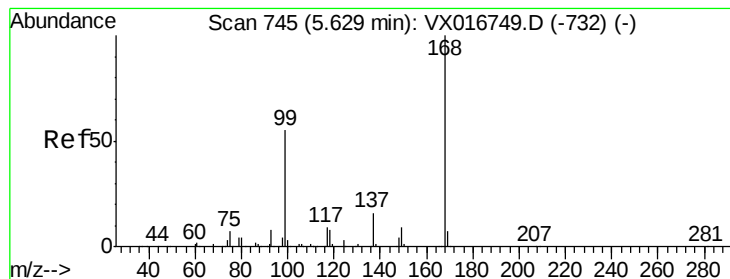
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 17 05:07:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016808.D

Acq: 17 Jun 2020 03:35

Instrument :

MSVOA_X

ClientSampleId :

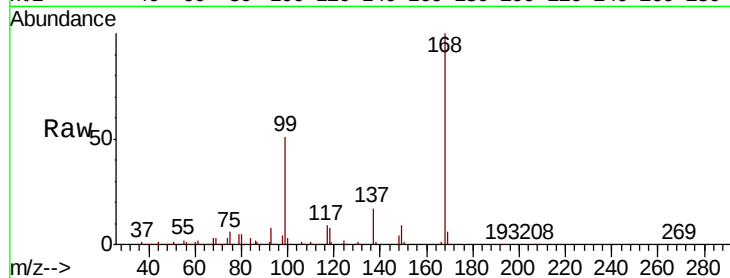
BFB

Tot Ion:168 Resp: 284028

Ion Ratio Lower Upper

168 100

99 51.1 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

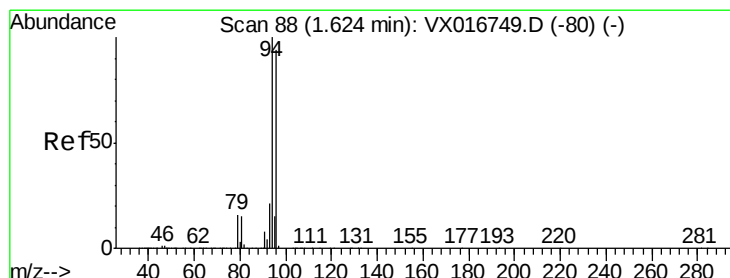
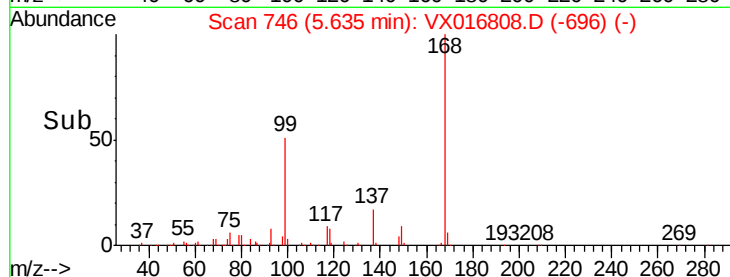
40000

20000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.229 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016808.D

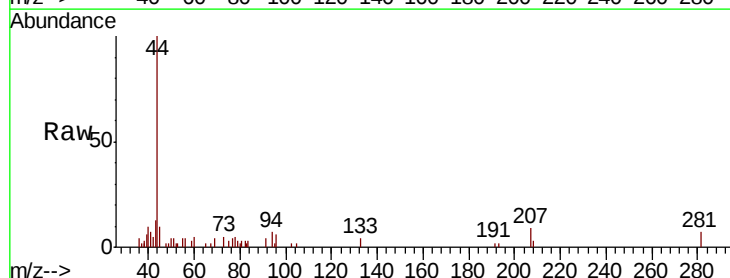
Acq: 17 Jun 2020 03:35

Tgt Ion: 94 Resp: 470

Ion Ratio Lower Upper

94 100

96 46.9 75.4 113.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

150

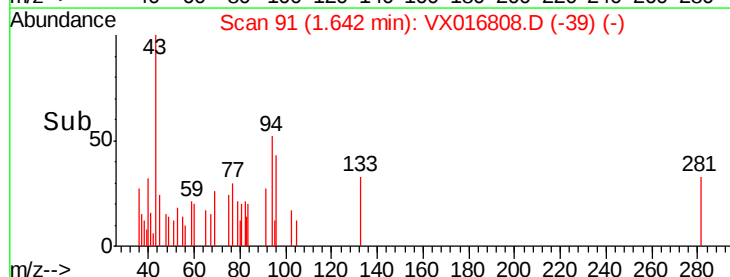
100

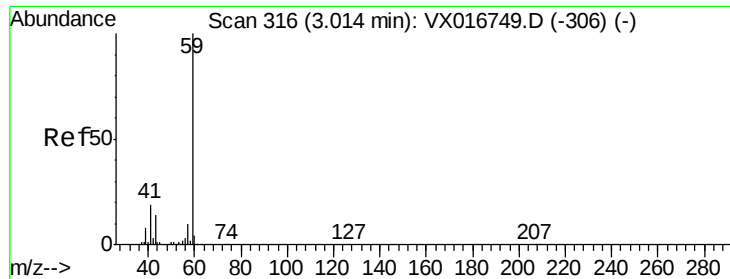
50

0

Time-->

1.60 1.65 1.70

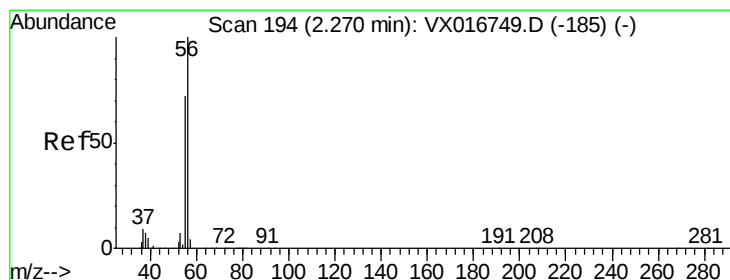
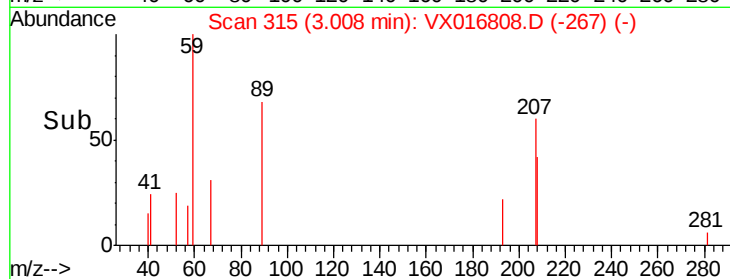
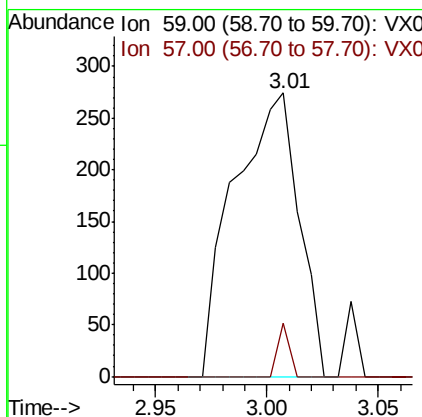
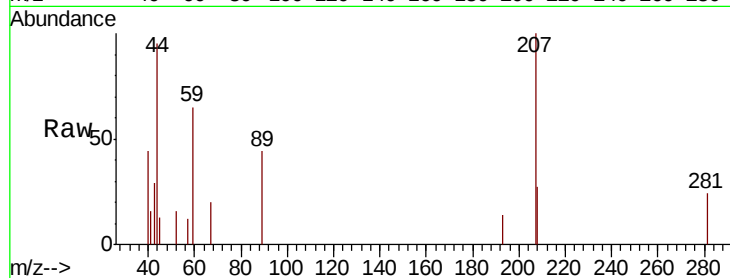




#11
Tert butyl alcohol
Concen: 0.692 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016808.D
Acq: 17 Jun 2020 03:35

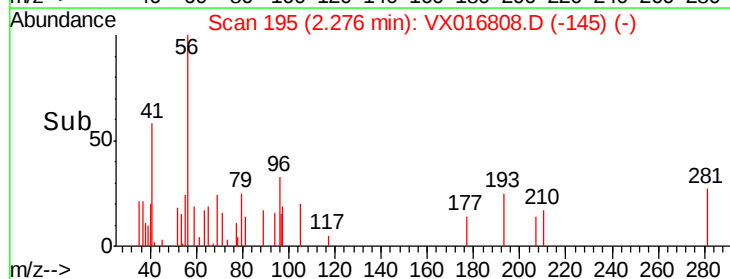
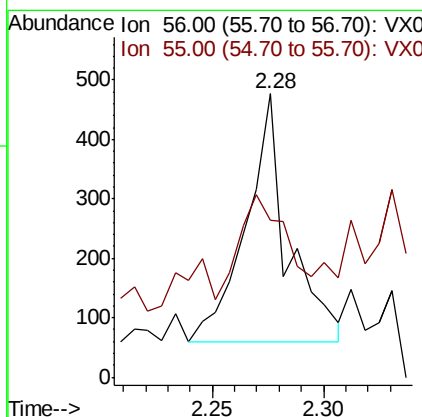
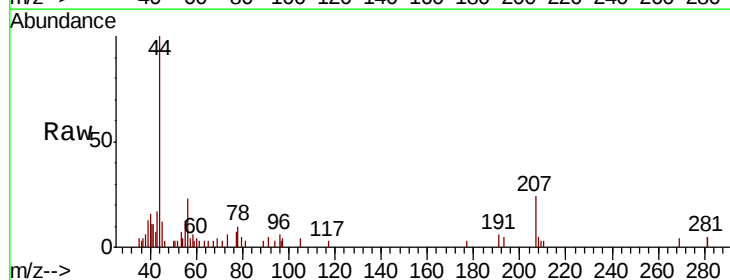
Instrument :
MSVOA_X
ClientSampled :
BFB

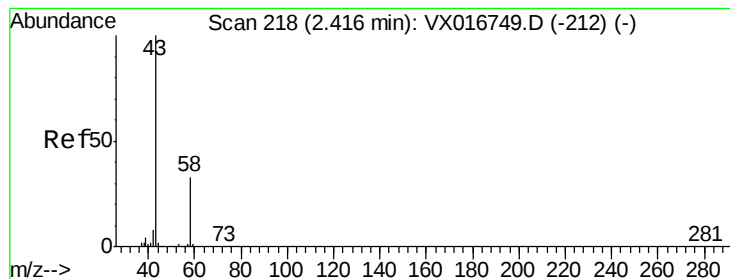
Tot Ion: 59 Resp: 555
Ion Ratio Lower Upper
59 100
57 3.4 8.2 12.2#



#13
Acrolein
Concen: 3.874 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016808.D
Acq: 17 Jun 2020 03:35

Tgt Ion: 56 Resp: 541
Ion Ratio Lower Upper
56 100
55 73.8 58.2 87.4





#16

Acetone

Concen: 1.245 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016808.D

Acq: 17 Jun 2020 03:35

Instrument :

MSVOA_X

ClientSampled :

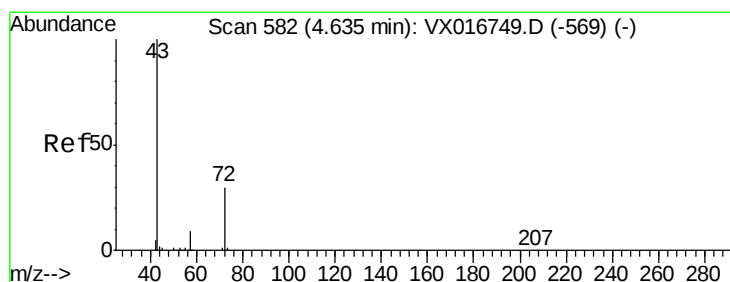
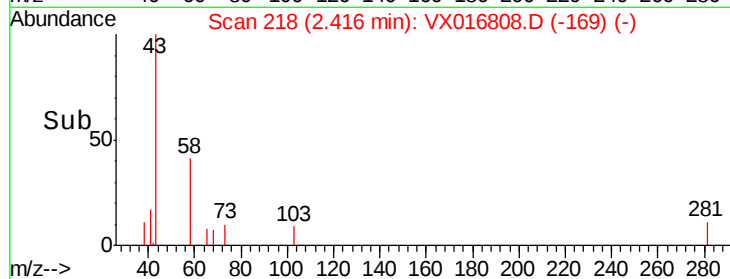
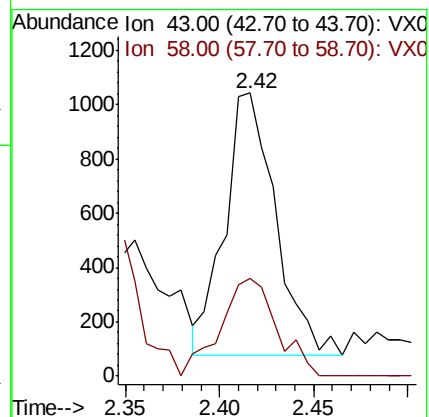
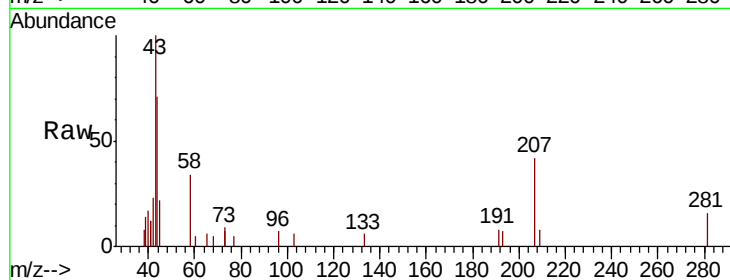
BFB

Tot Ion: 43 Resp: 1804

Ion Ratio Lower Upper

43 100

58 37.1 26.3 39.5



#25

2-Butanone

Concen: 1.152 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016808.D

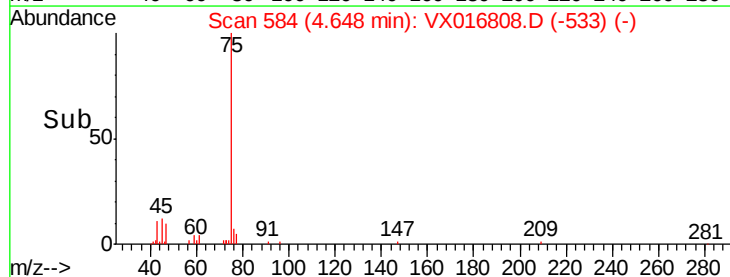
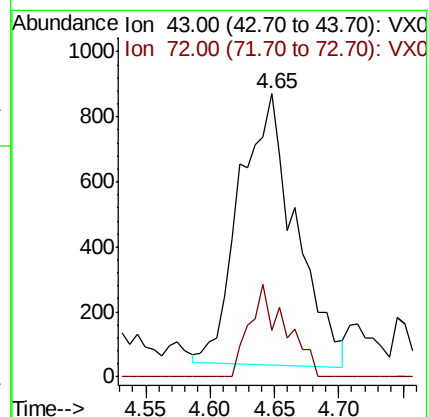
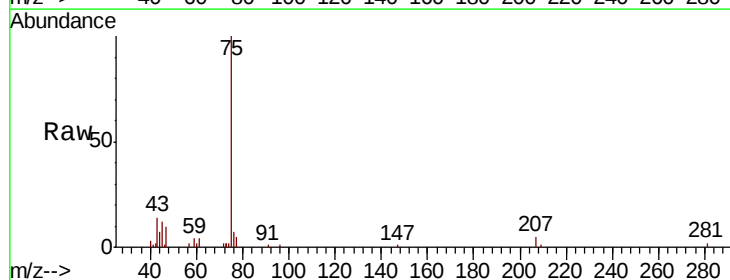
Acq: 17 Jun 2020 03:35

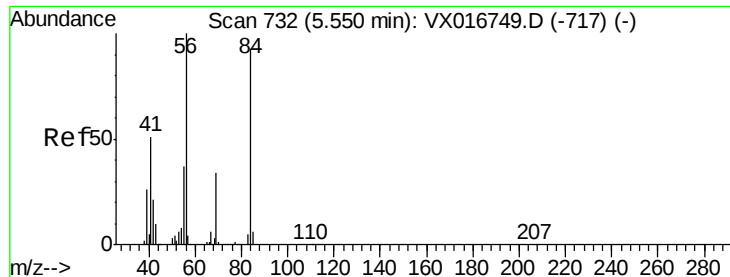
Tgt Ion: 43 Resp: 2516

Ion Ratio Lower Upper

43 100

72 18.0 24.2 36.4#

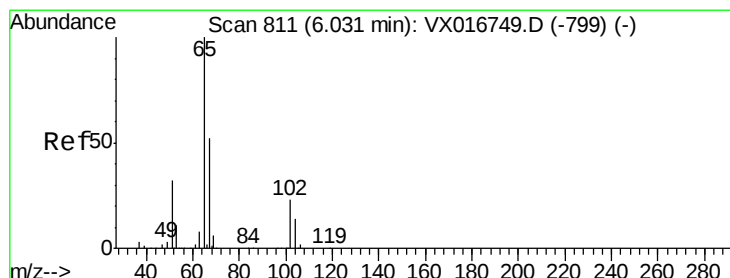
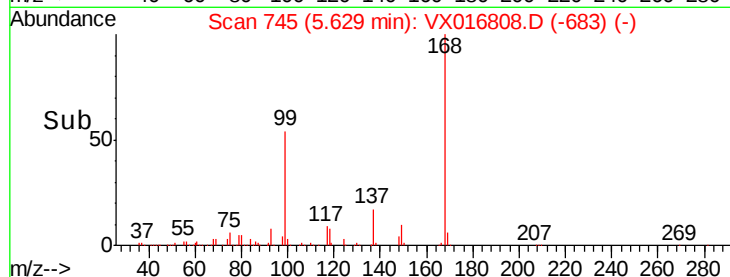
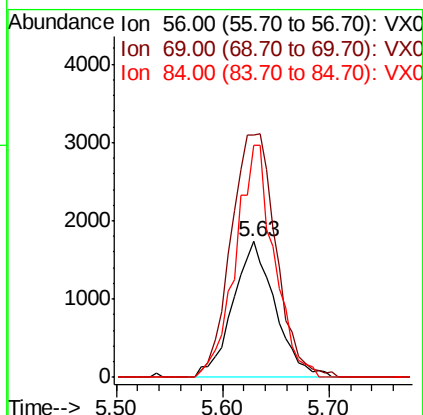
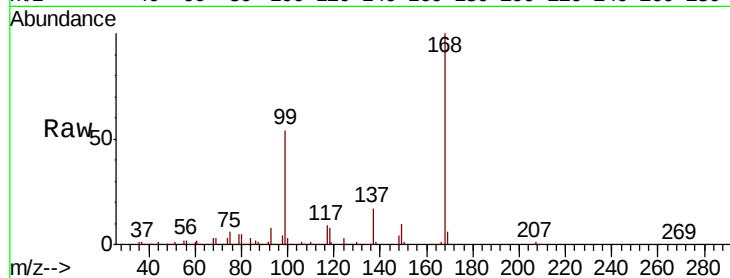




#31
Cyclohexane
Concen: 1.859 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016808.D
Acq: 17 Jun 2020 03:35

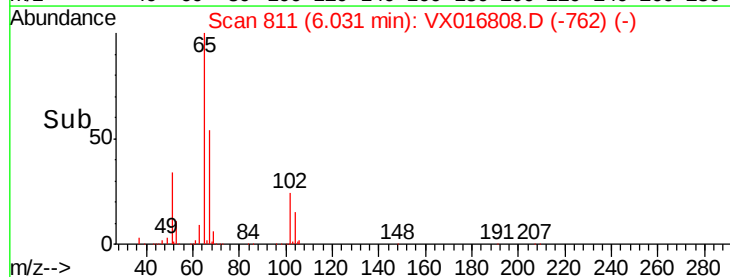
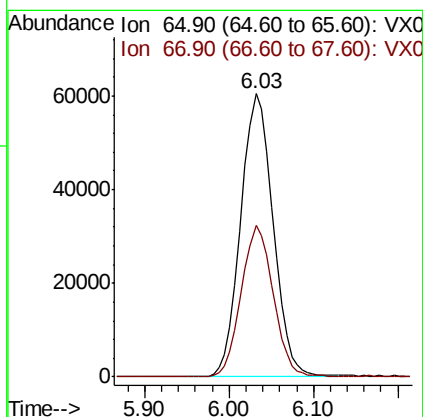
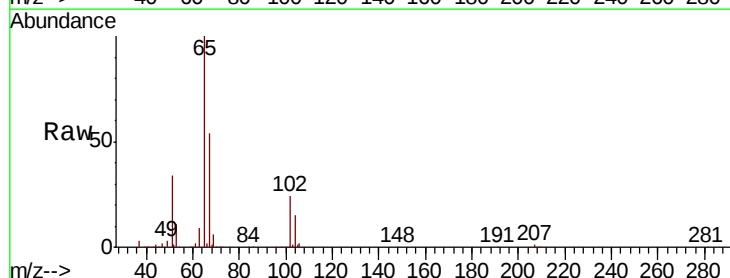
Instrument :
MSVOA_X
ClientSampleId :
BFB

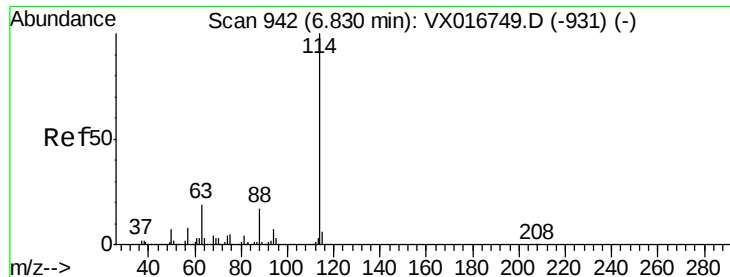
Tot Ion: 56 Resp: 4848
Ion Ratio Lower Upper
56 100
69 178.2 27.1 40.7#
84 171.0 74.0 111.0#



#33
1,2-Dichloroethane-d4
Concen: 49.359 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016808.D
Acq: 17 Jun 2020 03:35

Tgt Ion: 65 Resp: 157680
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016808.D

Acq: 17 Jun 2020 03:35

Instrument :

MSVOA_X

ClientSampled :

BFB

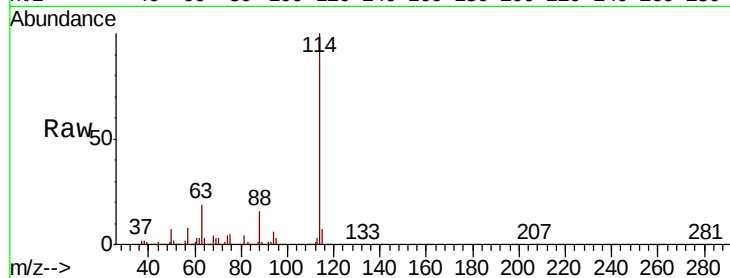
Tot Ion:114 Resp: 509983

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

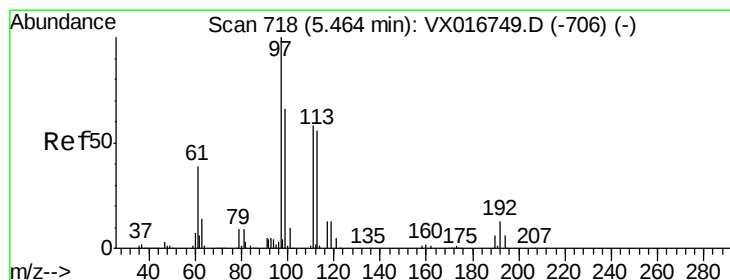
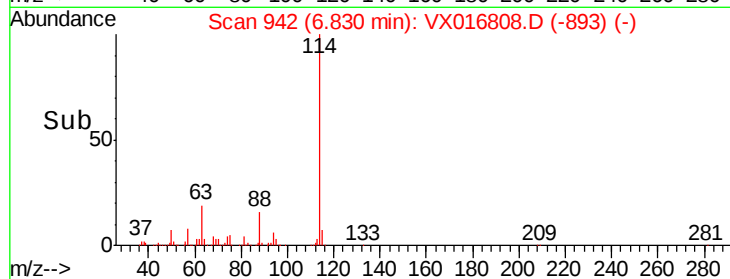
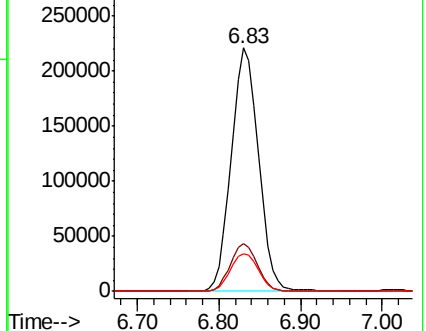
88 15.6 0.0 33.4



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: 43.854 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016808.D

Acq: 17 Jun 2020 03:35

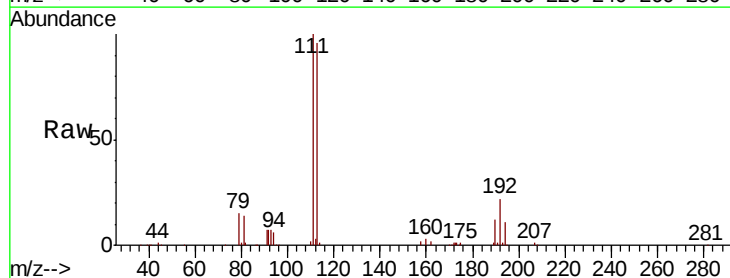
Tgt Ion:113 Resp: 137987

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

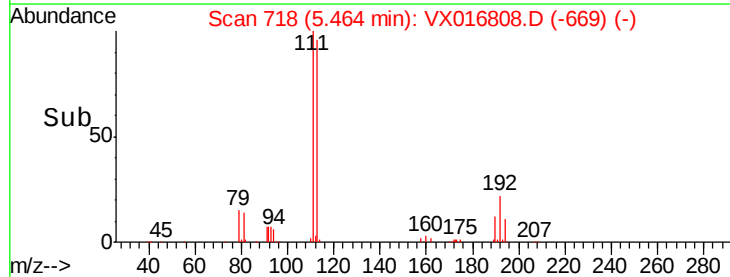
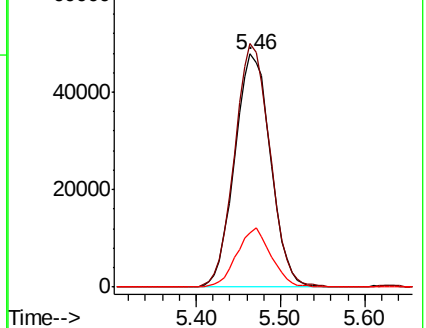
192 24.1 18.2 27.4

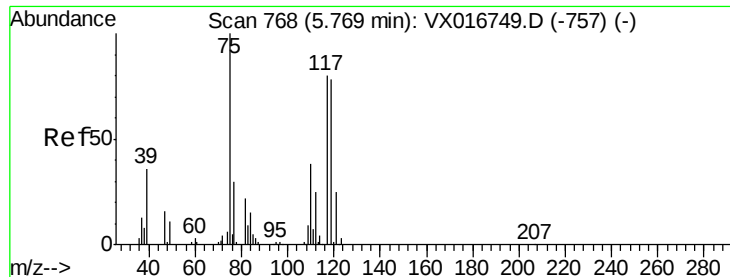


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.247 ug/l

RT: 5.62 min Scan# 743

Delta R.T. -0.15 min

Lab File: VX016808.D

Acq: 17 Jun 2020 03:35

Instrument :

MSVOA_X

ClientSampleId :

BFB

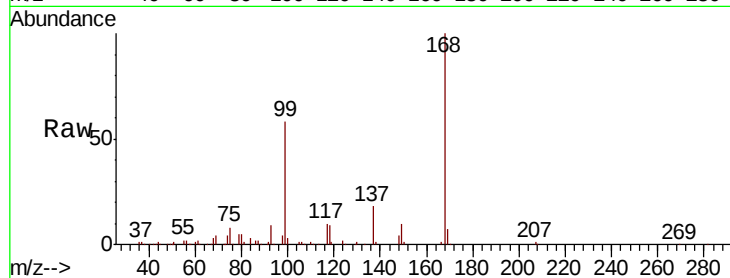
Tot Ion: 75 Resp: 19142

Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

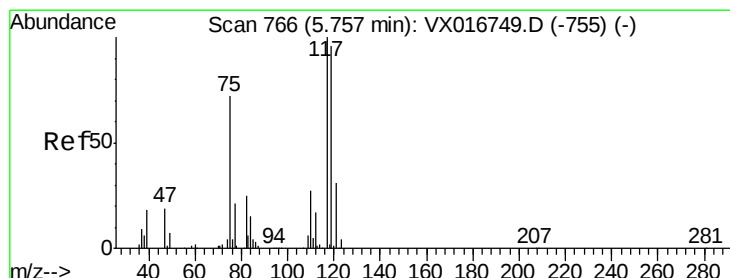
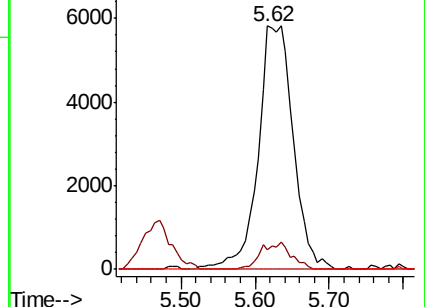
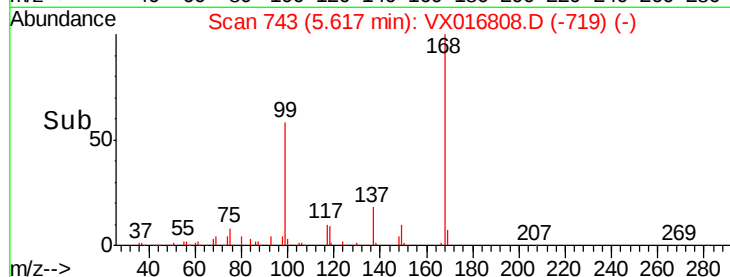
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX016808.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016808.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016808.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 4.974 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016808.D

Acq: 17 Jun 2020 03:35

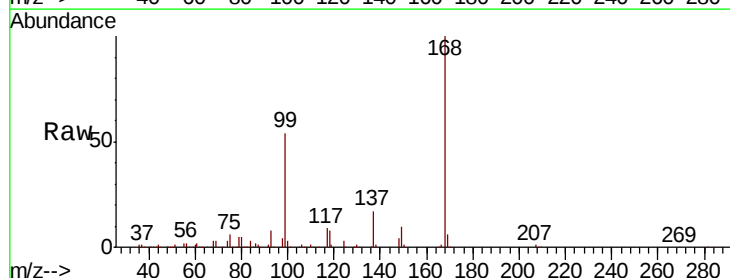
Tgt Ion: 117 Resp: 25459

Ion Ratio Lower Upper

117 100

119 5.5 76.7 115.1#

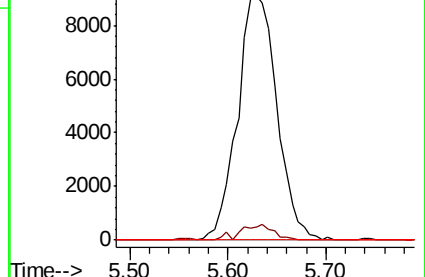
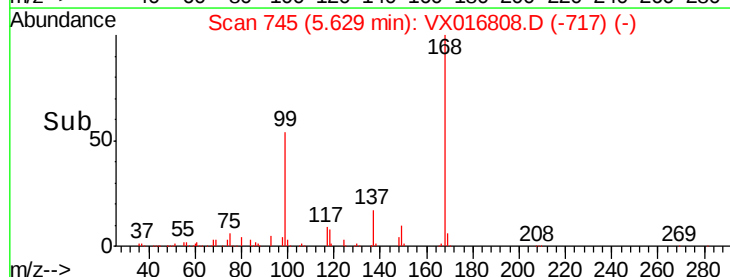
121 0.0 24.7 37.1#

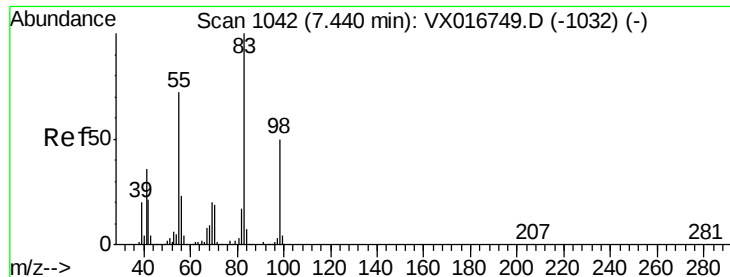


Abundance Ion 116.80 (116.50 to 117.50): VX016808.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016808.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016808.D (-717) (-)





#39

Methvlcvclohexane

Concen: 0.965 ug/l

RT: 7.43 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VX016808.D

Acq: 17 Jun 2020 03:35

Instrument :

MSVOA_X

ClientSampleId :

BFB

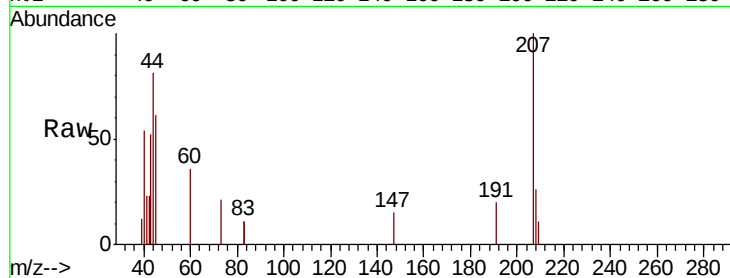
Tot Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

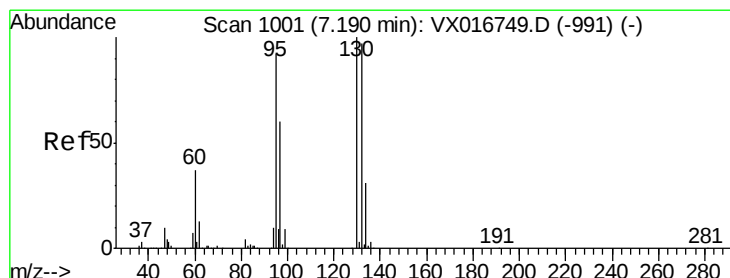
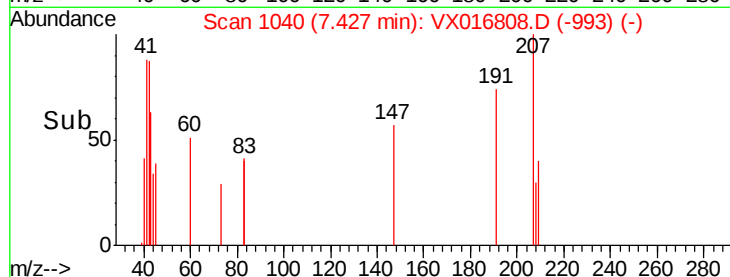
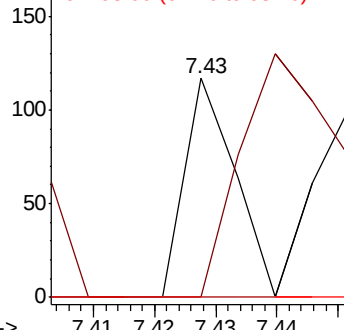
98 0.0 40.3 60.5#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#44

Trichloroethene

Concen: 0.373 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX016808.D

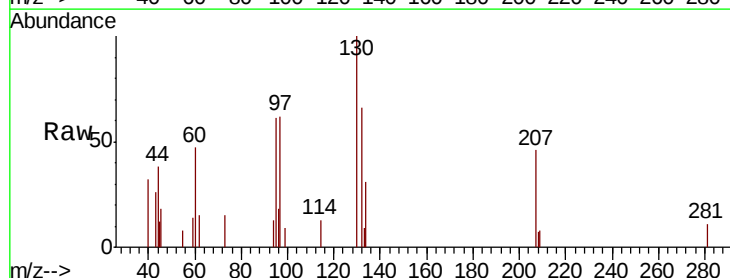
Acq: 17 Jun 2020 03:35

Tgt Ion:130 Resp: 1583

Ion Ratio Lower Upper

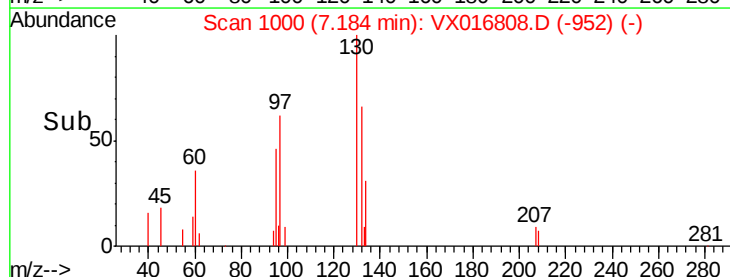
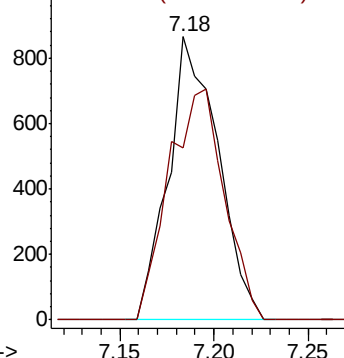
130 100

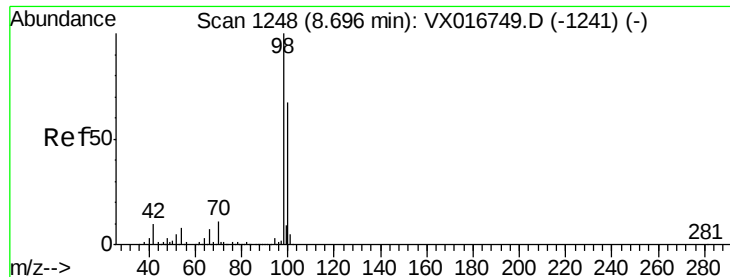
95 60.6 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

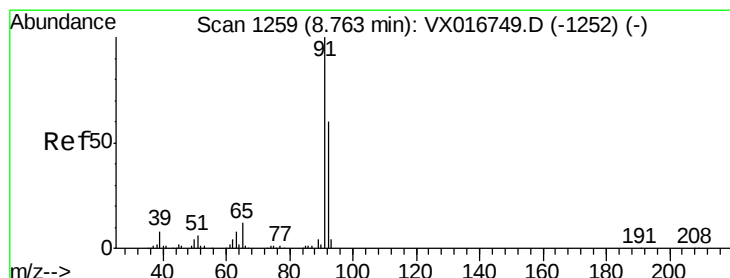
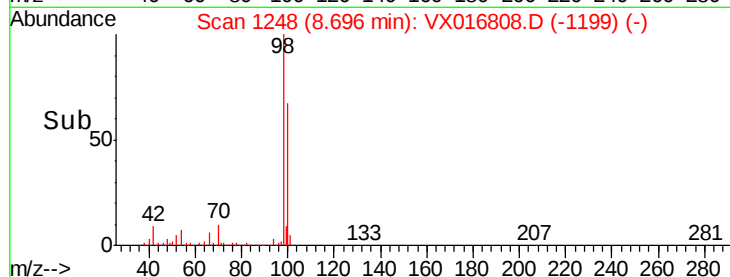
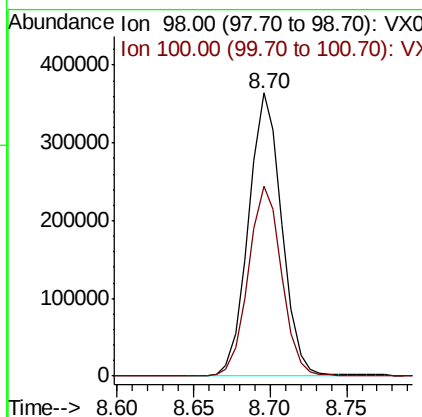
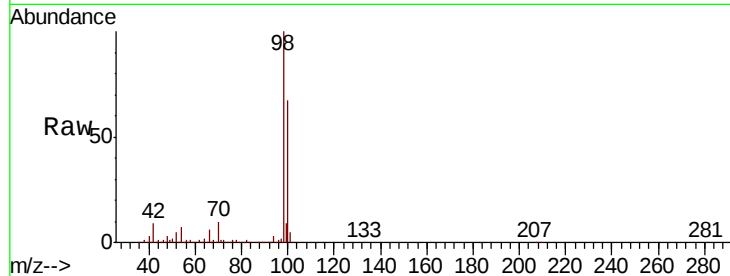




#50
Toluene-d8
Concen: 47.360 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016808.D
Acq: 17 Jun 2020 03:35

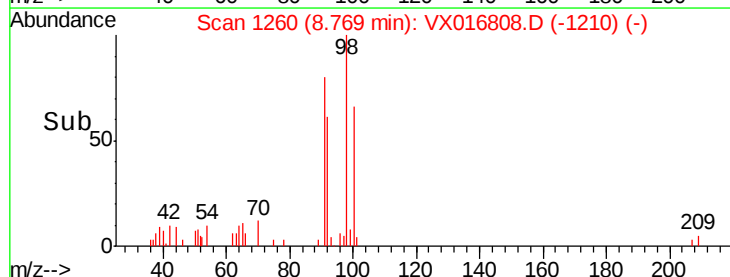
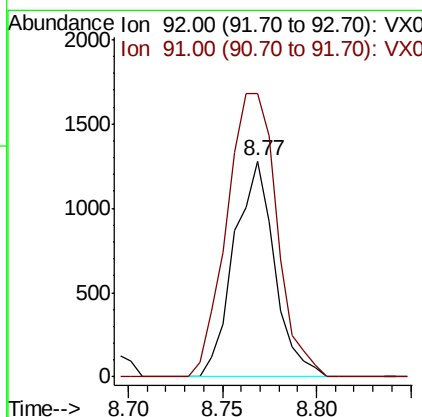
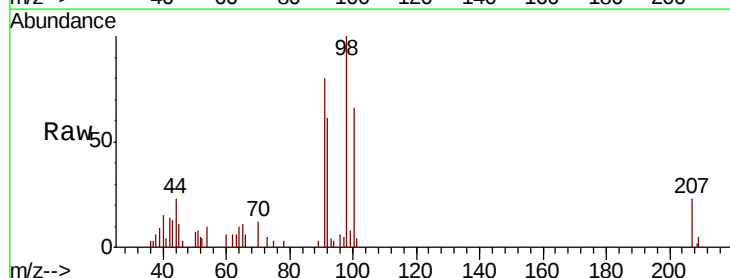
Instrument :
MSVOA_X
ClientSampleId :
BFB

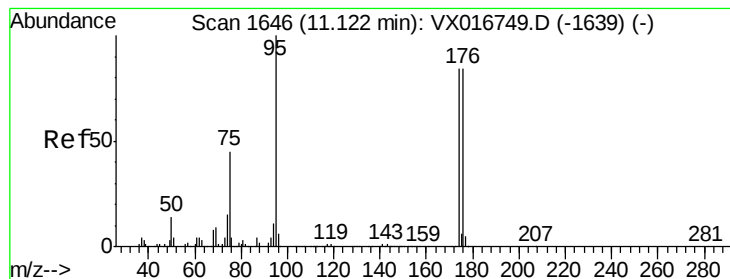
Tot Ion: 98 Resp: 549472
Ion Ratio Lower Upper
98 100
100 67.1 53.9 80.9



#52
Toluene
Concen: 0.215 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX016808.D
Acq: 17 Jun 2020 03:35

Tgt Ion: 92 Resp: 1913
Ion Ratio Lower Upper
92 100
91 162.8 136.1 204.1





#62

4-Bromofluorobenzene

Concen: 50.779 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016808.D

Acq: 17 Jun 2020 03:35

Instrument :

MSVOA_X

ClientSampleId :

BFB

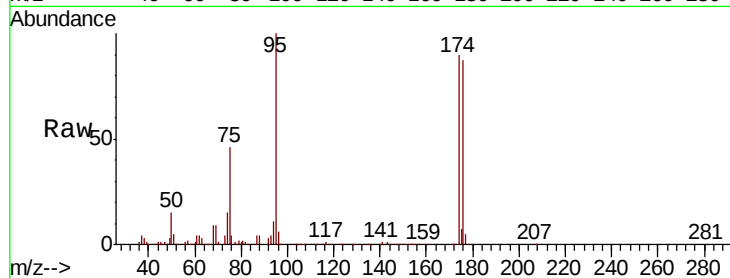
Tot Ion: 95 Resp: 225345

Ion Ratio Lower Upper

95 100

174 87.2 0.0 171.0

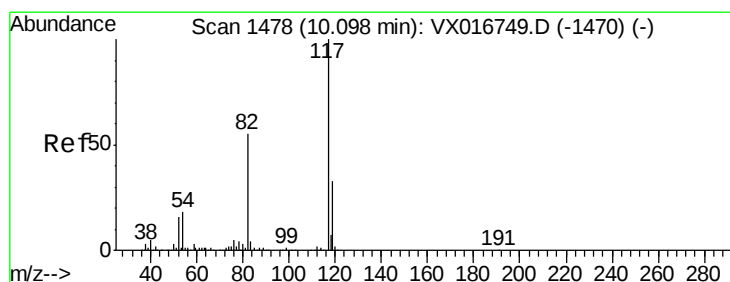
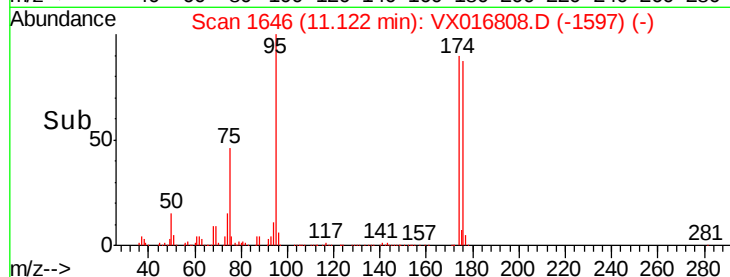
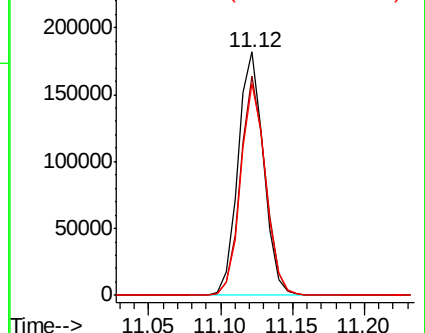
176 85.1 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016808.D

Acq: 17 Jun 2020 03:35

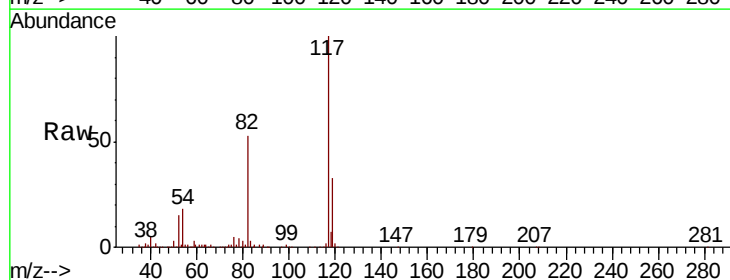
Tgt Ion: 117 Resp: 456885

Ion Ratio Lower Upper

117 100

82 53.3 43.8 65.6

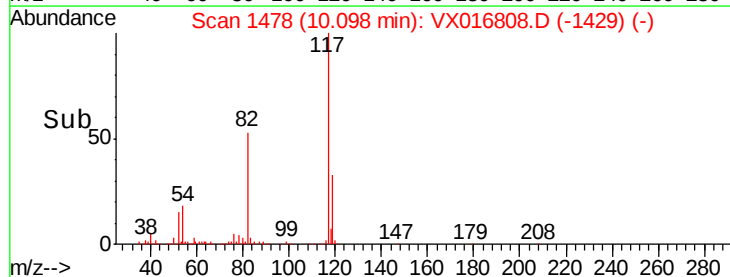
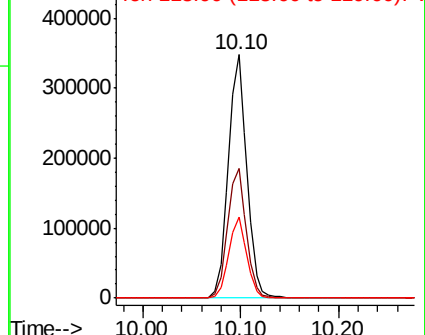
119 33.1 26.2 39.4

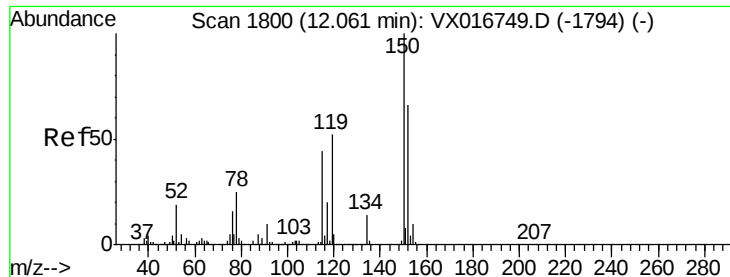


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX016808.D

Acq: 17 Jun 2020 03:35

Instrument :

MSVOA_X

ClientSampleId :

BFB

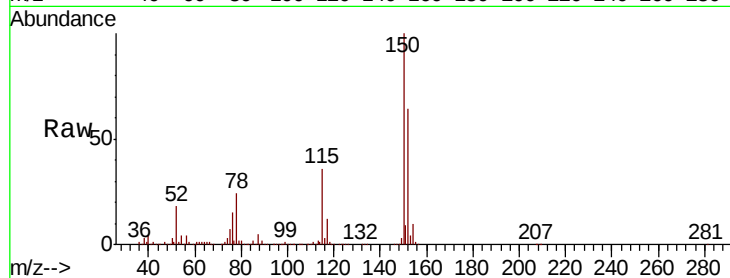
Tot Ion:152 Resp: 273216

Ion Ratio Lower Upper

152 100

115 56.3 40.3 120.8

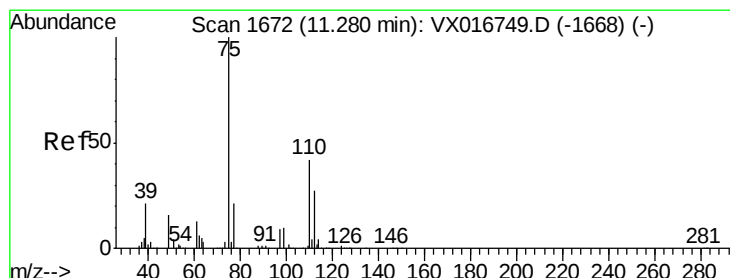
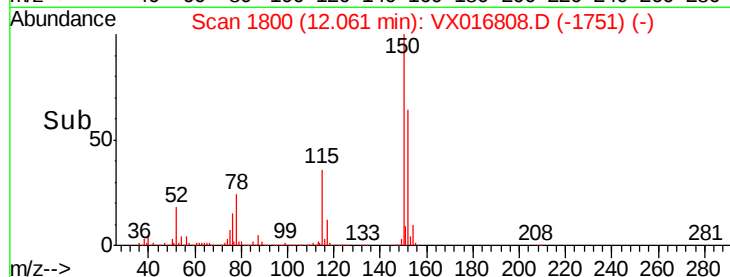
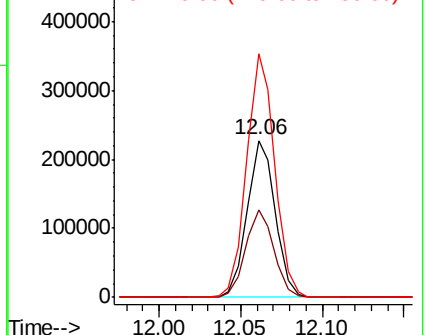
150 155.2 0.0 337.4



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: 18.558 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016808.D

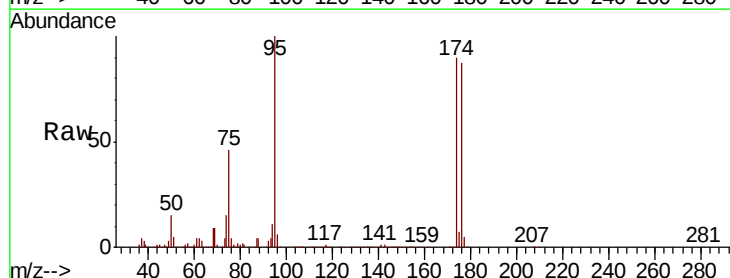
Acq: 17 Jun 2020 03:35

Tgt Ion: 75 Resp: 106627

Ion Ratio Lower Upper

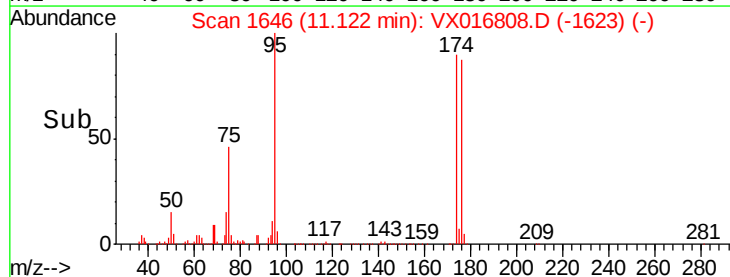
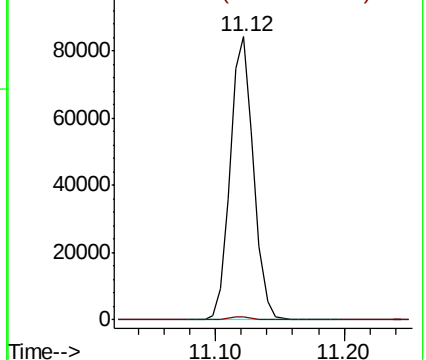
75 100

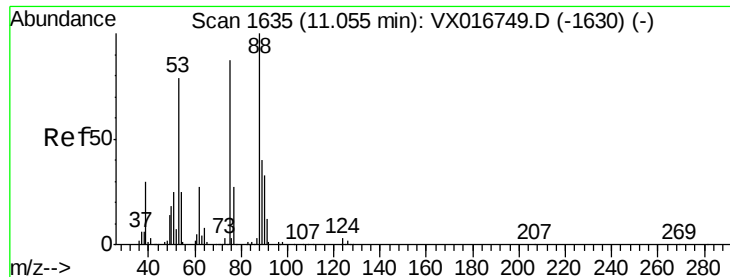
77 1.1 20.3 60.9#



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: 46.719 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016808.D

Acq: 17 Jun 2020 03:35

Instrument :

MSVOA_X

ClientSampled :

BFB

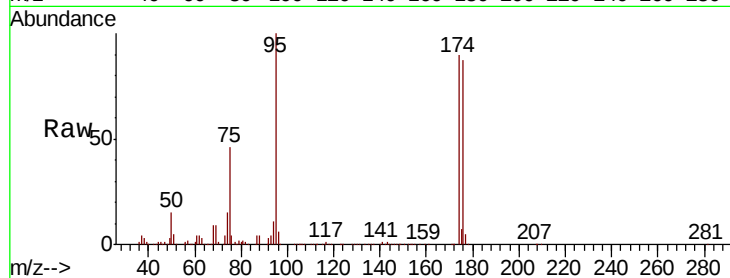
Tot Ion: 75 Resp: 106627

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.0#

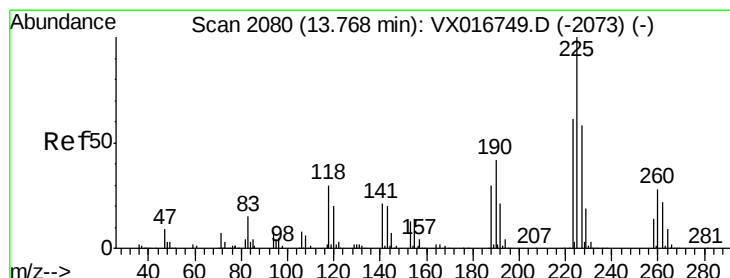
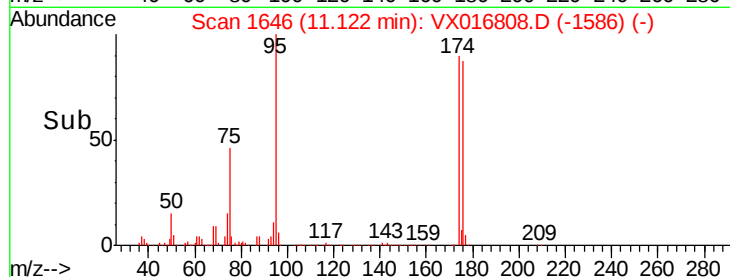
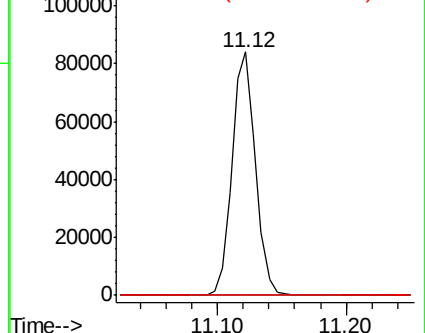
89 0.0 39.1 58.7#



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



#94

Hexachlorobutadiene

Concen: 0.463 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016808.D

Acq: 17 Jun 2020 03:35

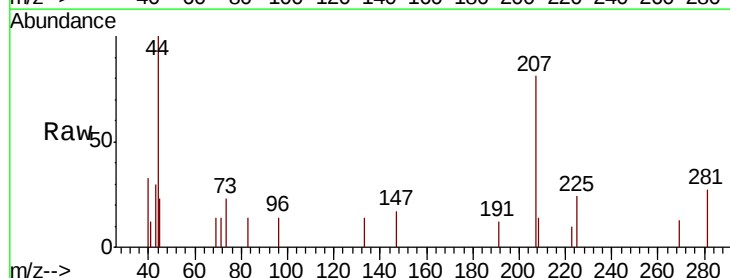
Tgt Ion: 225 Resp: 131

Ion Ratio Lower Upper

225 100

223 33.6 31.1 93.5

227 0.0 30.9 92.7#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

