

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019015.D
 Acq On : 22 Oct 2020 10:35
 Operator : JC/SP
 Sample : VX1022WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBL01

Quant Time: Oct 23 08:30:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	313801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	544274	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	505838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	249964	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	187674	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	5.46	113	168120	48.79	ug/l	-0.01
Spiked Amount			Recovery	=	97.58%	
50) Toluene-d8	8.70	98	668455	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.12	95	235210	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	

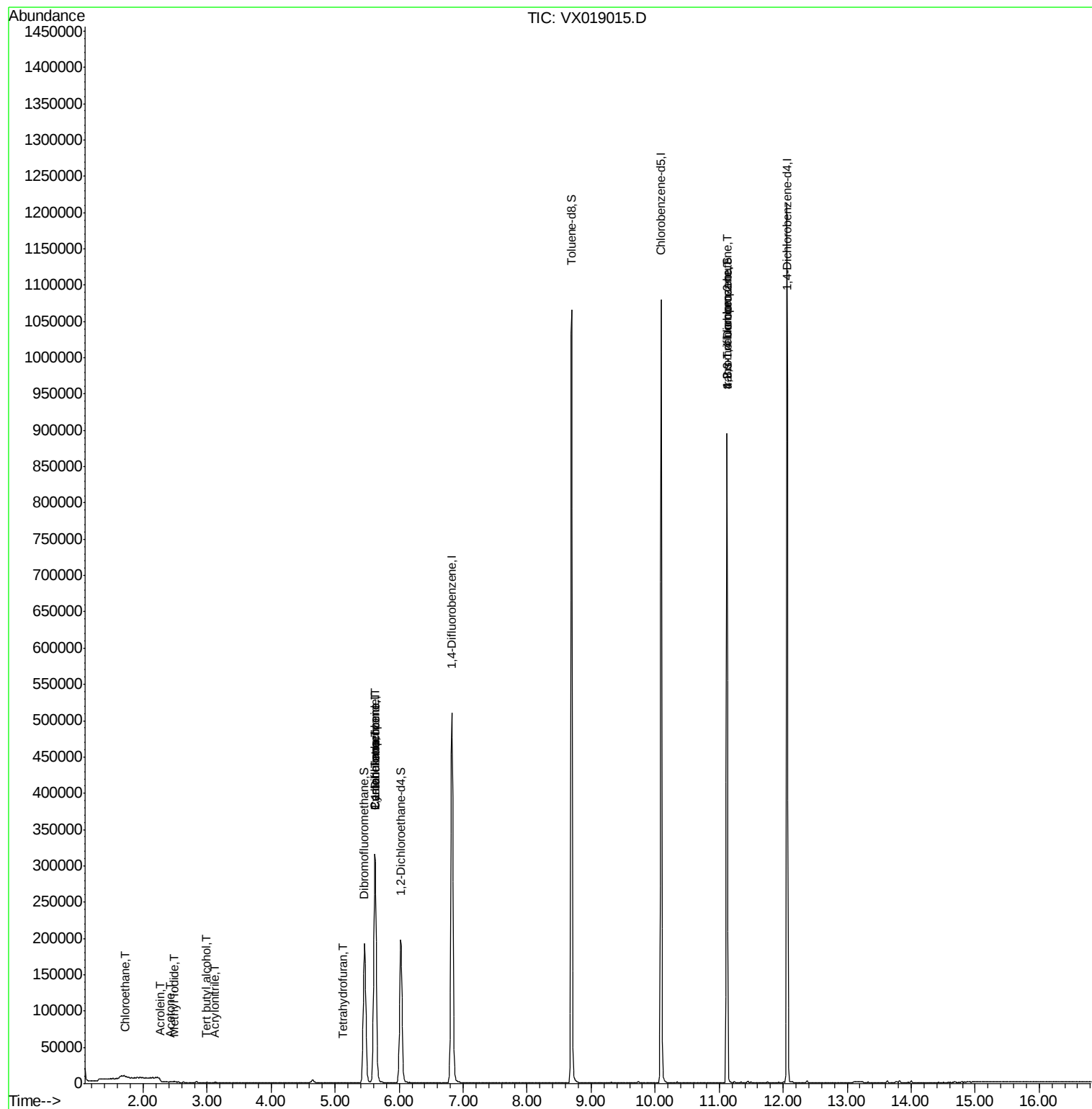
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1351	Below Cal		96
6) Chloroethane	1.72	64	57	1.291	ug/l #	70
10) Methyl Iodide	2.49	142	1722	5.146	ug/l #	98
11) Tert butyl alcohol	2.98	59	228	0.299	ug/l #	73
13) Acrolein	2.28	56	189	14.247	ug/l #	16
15) Acrylonitrile	3.13	53	504	0.342	ug/l #	83
16) Acetone	2.43	43	714	0.558	ug/l #	87
29) Tetrahydrofuran	5.11	42	587	0.485	ug/l #	22
31) Cyclohexane	5.62	56	6468	1.469	ug/l #	3
36) 1,1-Dichloropropene	5.62	75	23931	4.900	ug/l #	47
38) Carbon Tetrachloride	5.62	117	30417	5.934	ug/l #	18
76) 1,2,3-Trichloropropane	11.12	75	116598	23.338	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	116598	59.460	ug/l #	15

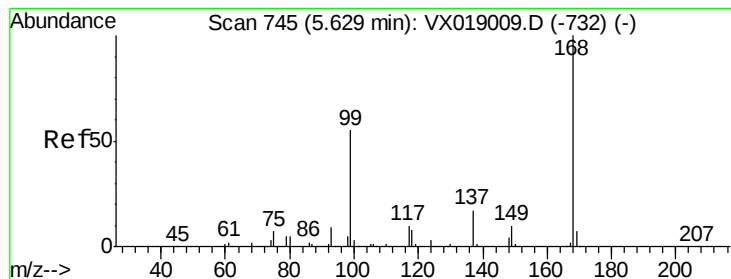
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 23 08:30:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019015.D

Acq: 22 Oct 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

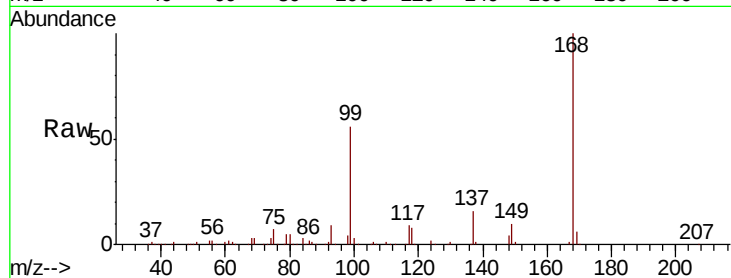
VX1022WBL01

Tot Ion:168 Resp: 313801

Ion Ratio Lower Upper

168 100

99 56.1 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

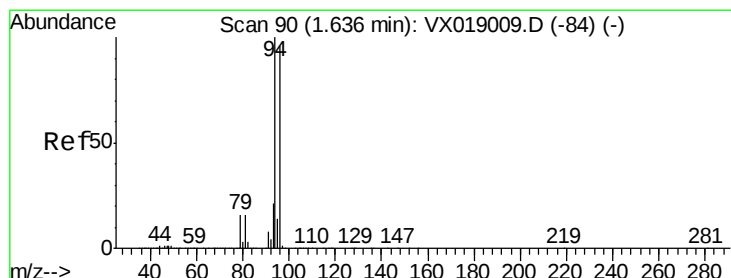
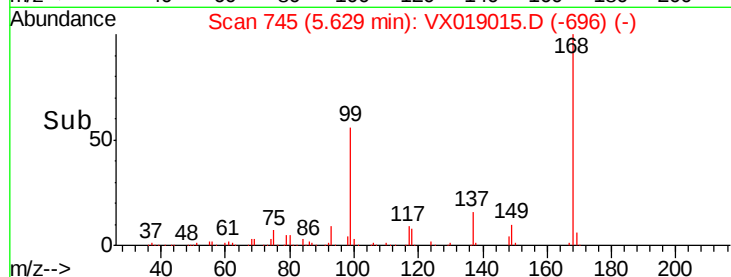
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019015.D

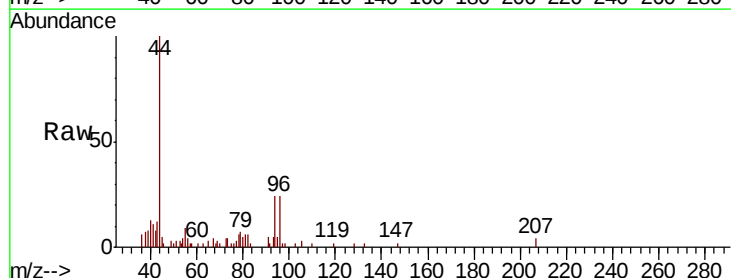
Acq: 22 Oct 2020 10:35

Tgt Ion: 94 Resp: 1351

Ion Ratio Lower Upper

94 100

96 100.0 77.1 115.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

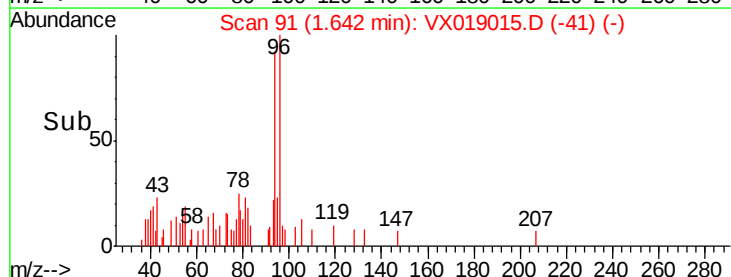
600

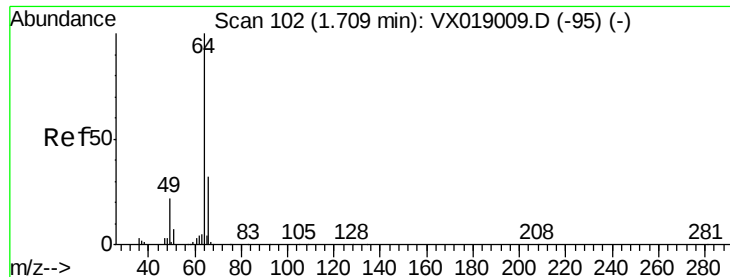
400

200

0

Time-->





#6

Chloroethane

Concen: 1.291 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019015.D

Acq: 22 Oct 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

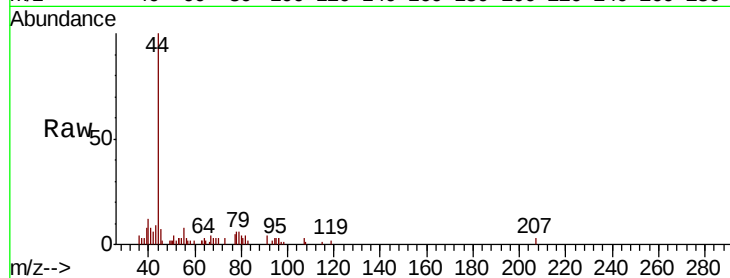
VX1022WBL01

Tot Ion: 64 Resp: 57

Ion Ratio Lower Upper

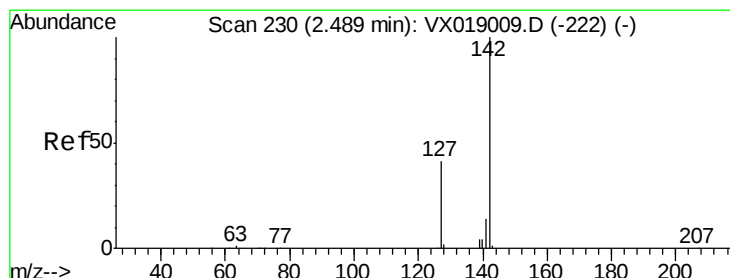
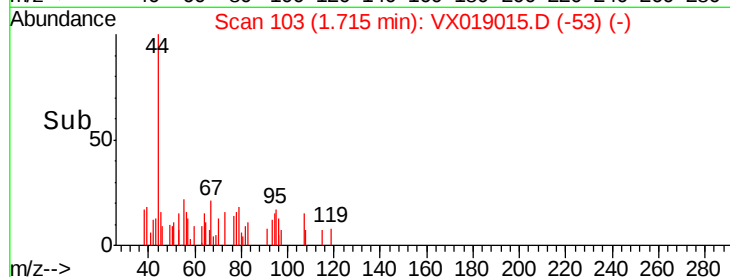
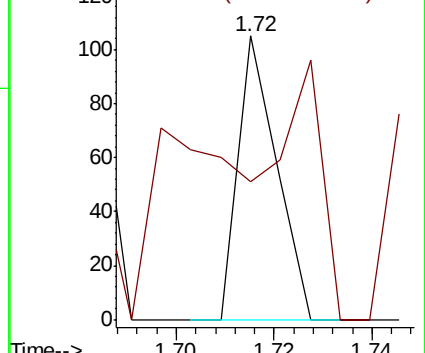
64 100

66 48.6 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.146 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019015.D

Acq: 22 Oct 2020 10:35

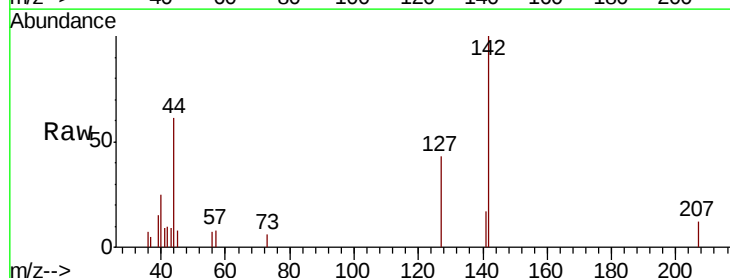
Tgt Ion: 142 Resp: 1722

Ion Ratio Lower Upper

142 100

127 41.7 33.6 50.4

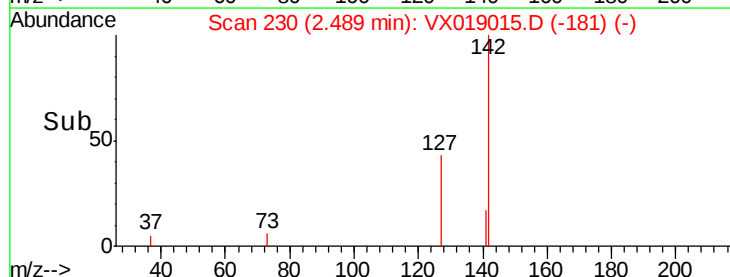
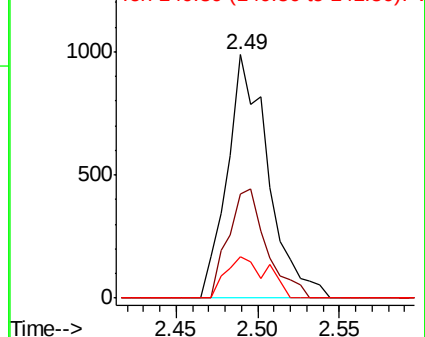
141 17.2 11.2 16.8#

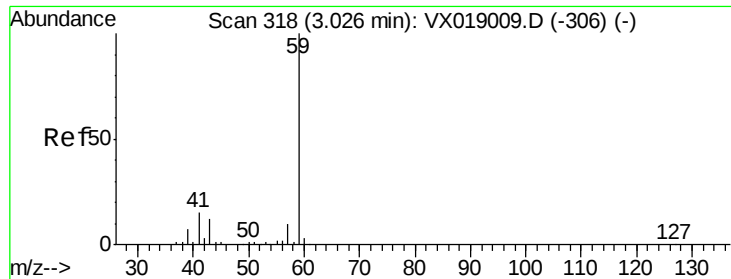


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



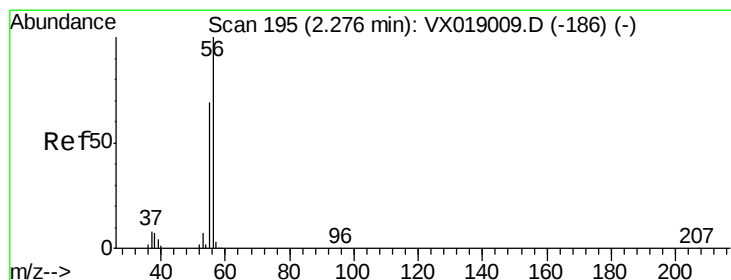
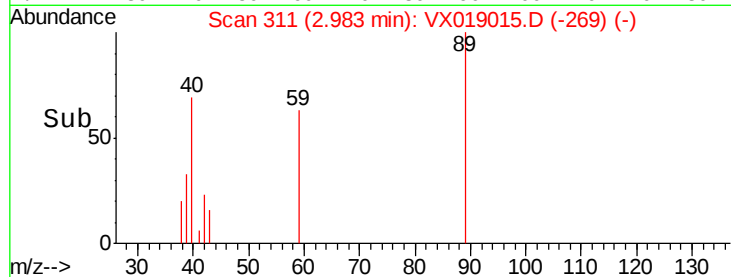
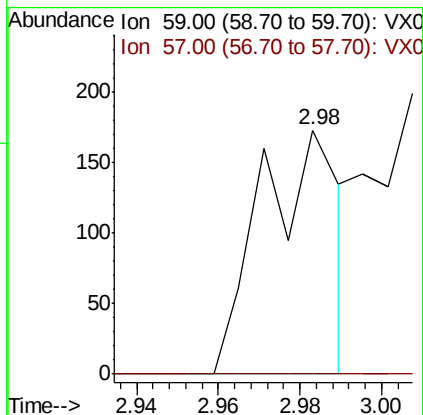
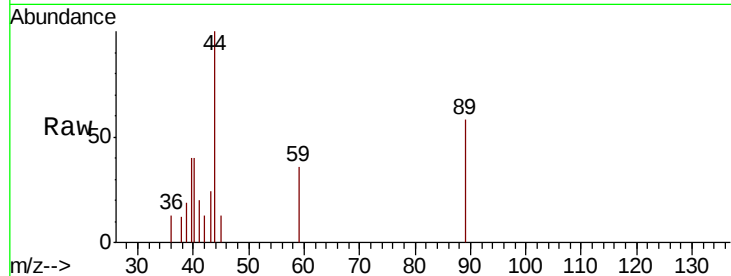


#11

Tert butyl alcohol
Concen: 0.299 ug/l
RT: 2.98 min Scan# 311
Delta R.T. -0.04 min
Lab File: VX019015.D
Acq: 22 Oct 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL01

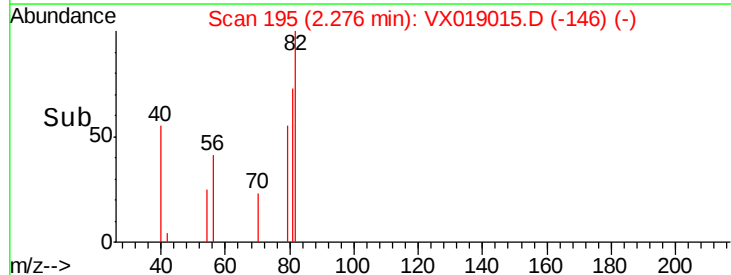
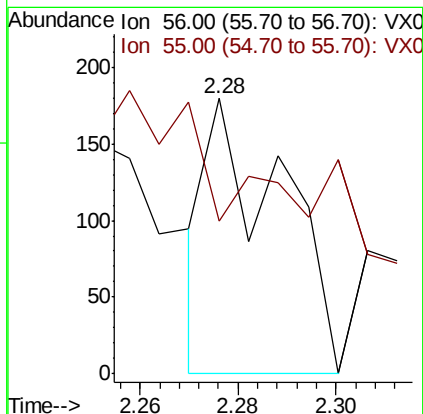
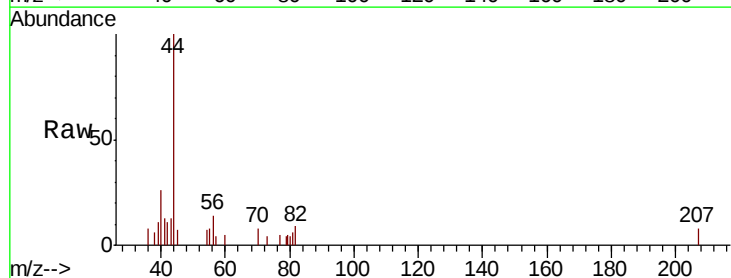
Tot Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

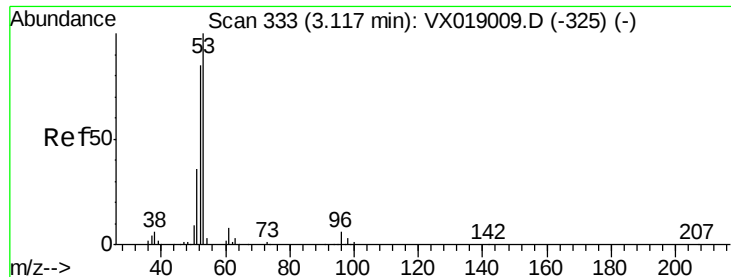


#13

Acrolein
Concen: 14.247 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX019015.D
Acq: 22 Oct 2020 10:35

Tgt Ion: 56 Resp: 189
Ion Ratio Lower Upper
56 100
55 0.0 54.2 81.4#

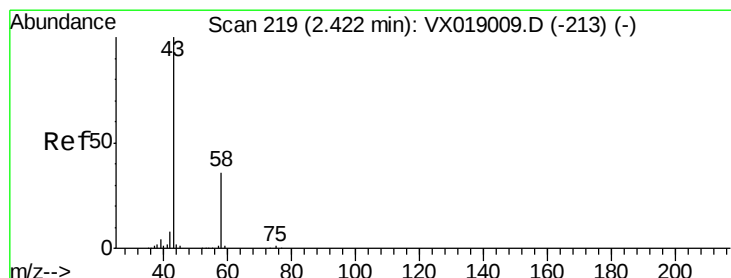
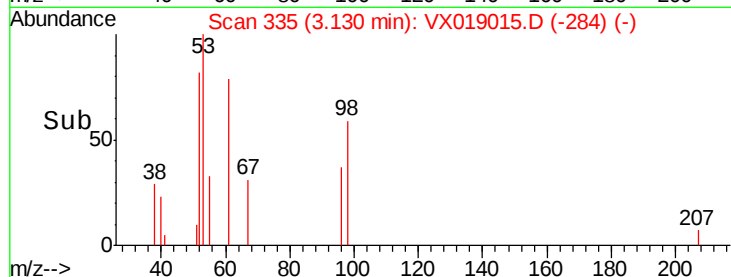
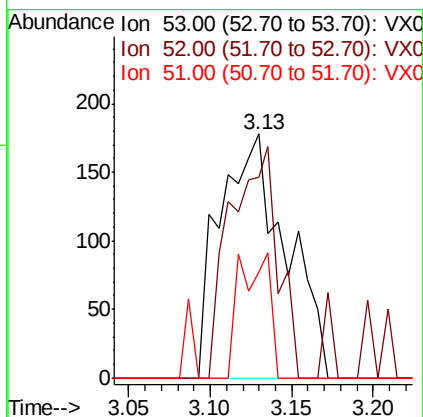
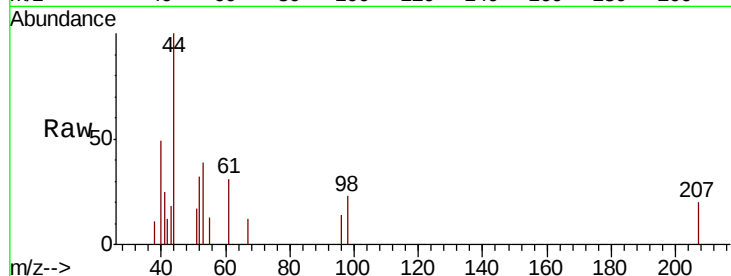




#15
 Acrylonitrile
 Concen: 0.342 ug/l
 RT: 3.13 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: VX019015.D
 Acq: 22 Oct 2020 10:35

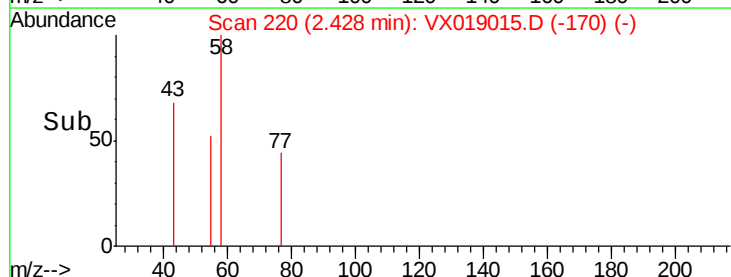
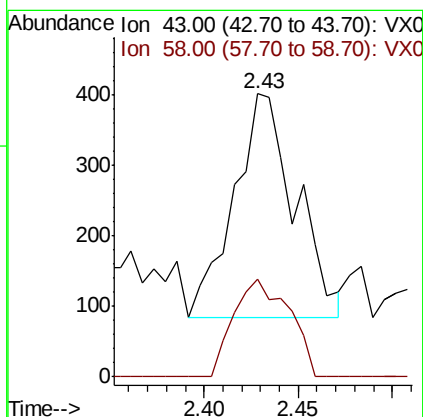
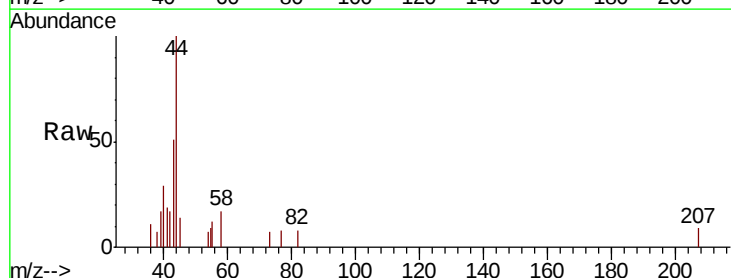
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBL01

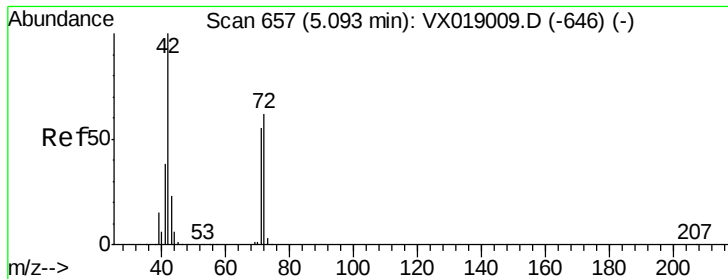
Tot Ion: 53 Resp: 504
 Ion Ratio Lower Upper
 53 100
 52 68.1 65.9 98.9
 51 23.2 28.3 42.5#



#16
 Acetone
 Concen: 0.558 ug/l
 RT: 2.43 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX019015.D
 Acq: 22 Oct 2020 10:35

Tgt Ion: 43 Resp: 714
 Ion Ratio Lower Upper
 43 100
 58 43.5 28.6 42.8#

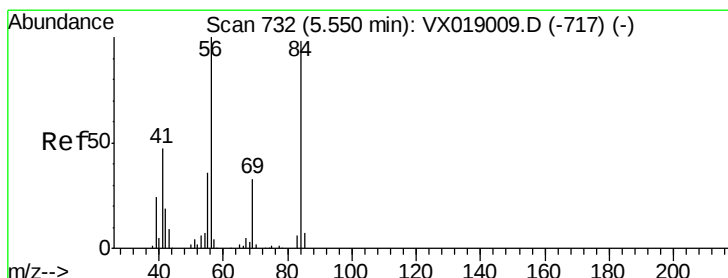
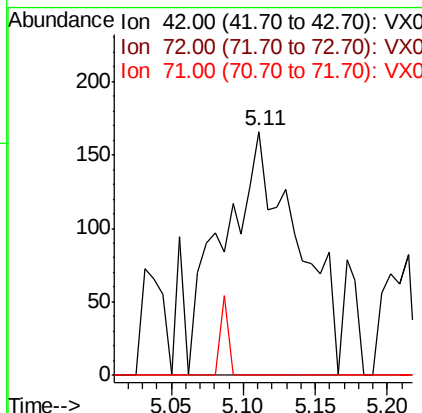
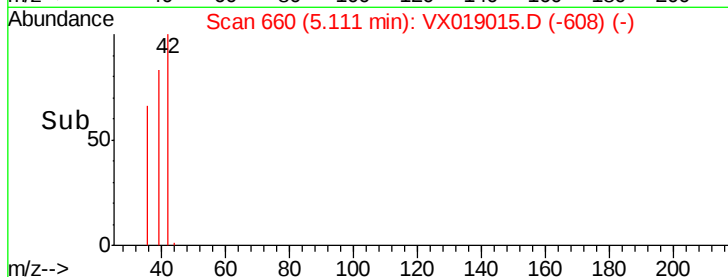
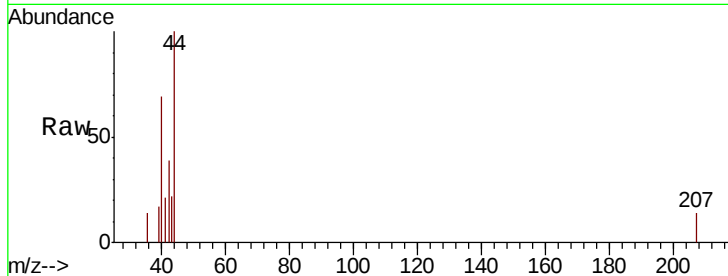




#29
Tetrahydrofuran
Concen: 0.485 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX019015.D
Acq: 22 Oct 2020 10:35

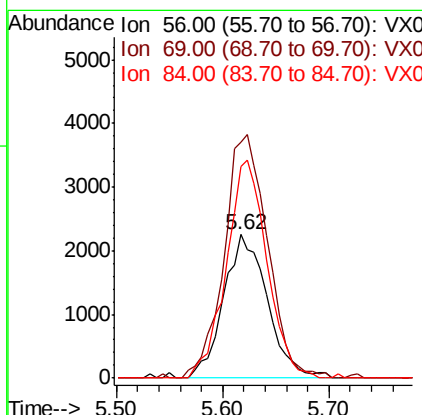
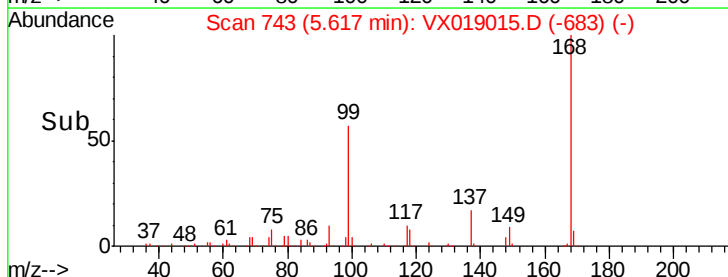
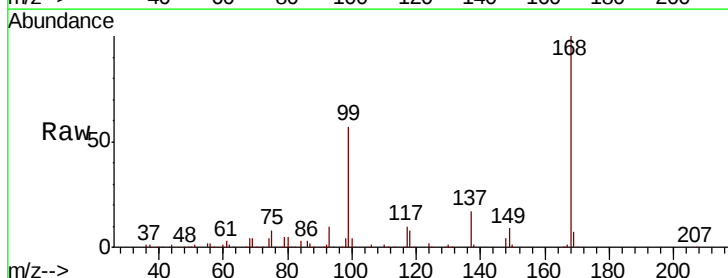
Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL01

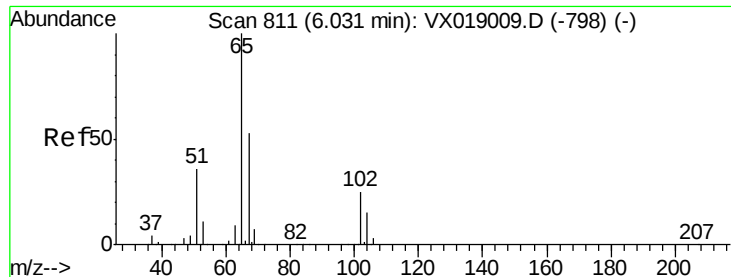
Tot Ion: 42 Resp: 587
Ion Ratio Lower Upper
42 100
72 0.0 49.1 73.7#
71 0.0 44.2 66.4#



#31
Cyclohexane
Concen: 1.469 ug/l
RT: 5.62 min Scan# 743
Delta R.T. 0.07 min
Lab File: VX019015.D
Acq: 22 Oct 2020 10:35

Tgt Ion: 56 Resp: 6468
Ion Ratio Lower Upper
56 100
69 164.5 26.2 39.2#
84 148.0 78.3 117.5#





#33

1,2-Dichloroethane-d4

Concen: 49.929 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019015.D

Acq: 22 Oct 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

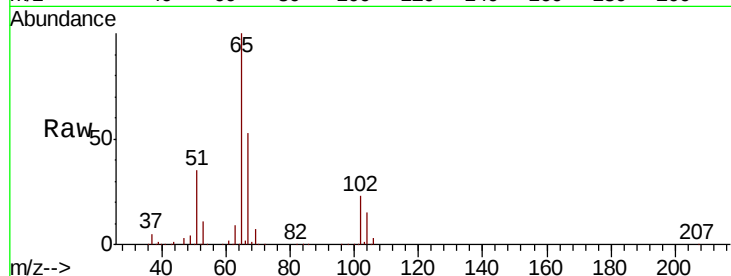
VX1022WBL01

Tot Ion: 65 Resp: 187674

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

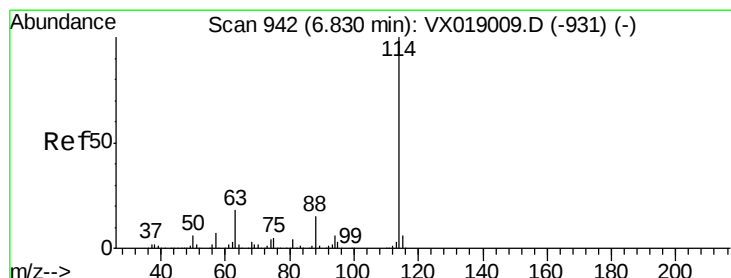
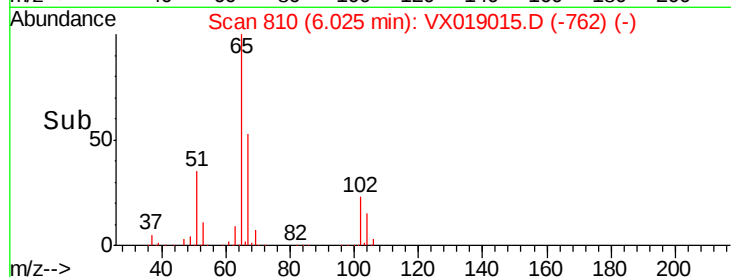
40000

20000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019015.D

Acq: 22 Oct 2020 10:35

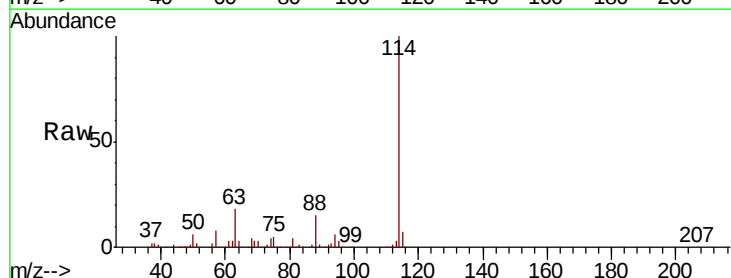
Tgt Ion: 114 Resp: 544274

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 15.3 0.0 30.2



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

6.82

300000

250000

200000

150000

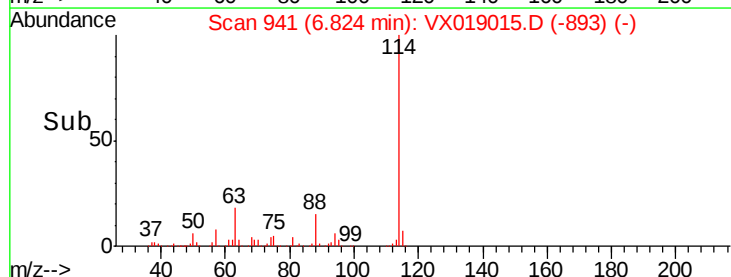
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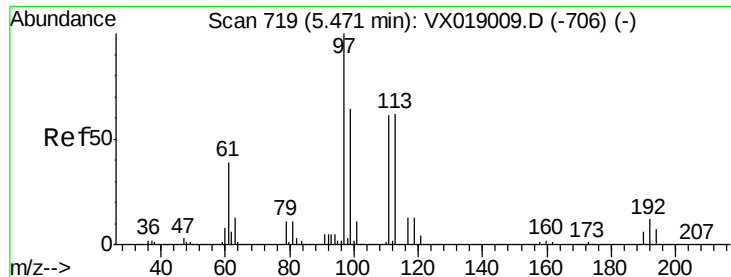
50000

0

6.80 7.00

Time-->

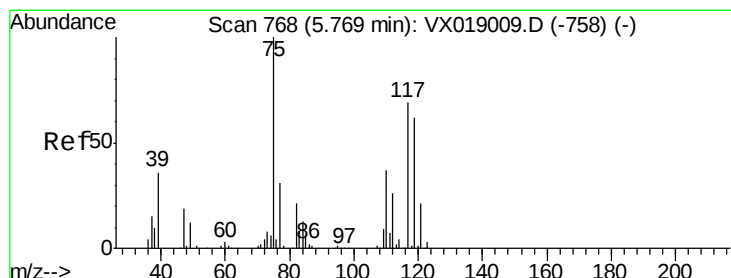
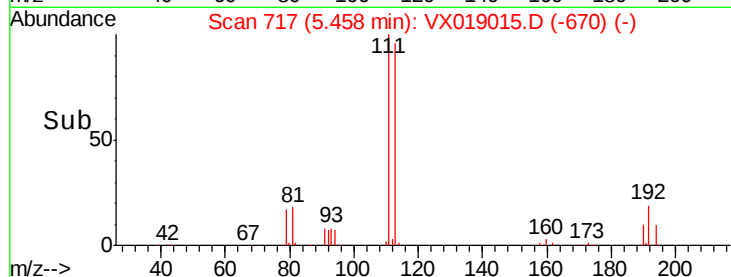
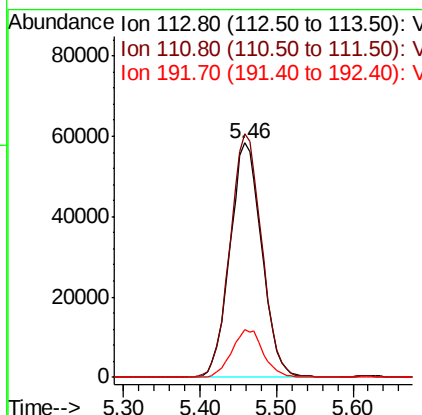
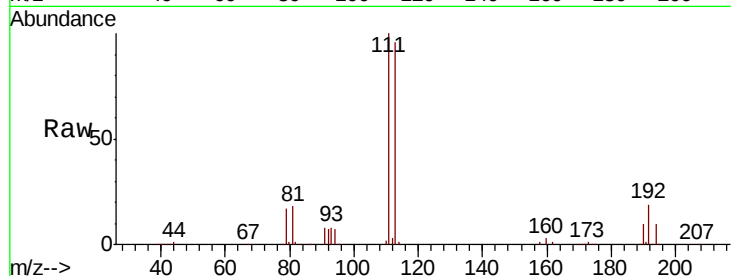




#35
Dibromofluoromethane
Concen: 48.787 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX019015.D
Acq: 22 Oct 2020 10:35

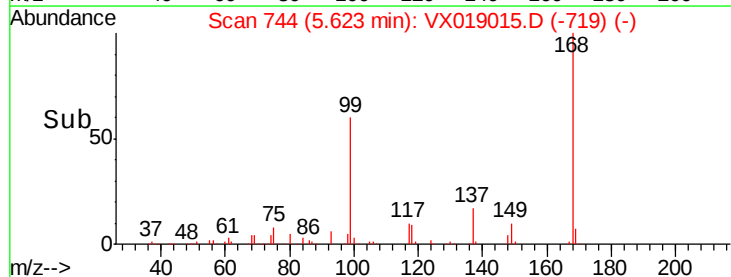
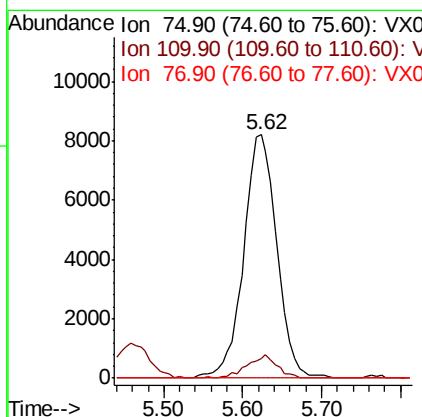
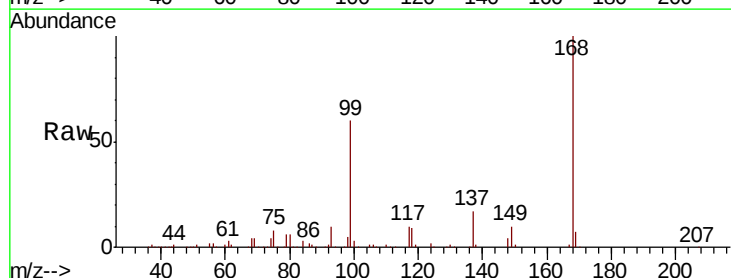
Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL01

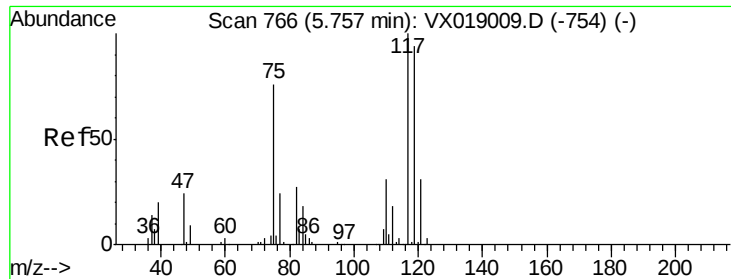
Tot Ion:113 Resp: 168120
Ion Ratio Lower Upper
113 100
111 103.6 81.5 122.3
192 20.0 16.3 24.5



#36
1,1-Dichloropropene
Concen: 4.900 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.15 min
Lab File: VX019015.D
Acq: 22 Oct 2020 10:35

Tgt Ion: 75 Resp: 23931
Ion Ratio Lower Upper
75 100
110 8.6 19.4 58.2#
77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.934 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019015.D

Acq: 22 Oct 2020 10:35

Instrument :

MSVOA_X

ClientSampled :

VX1022WBL01

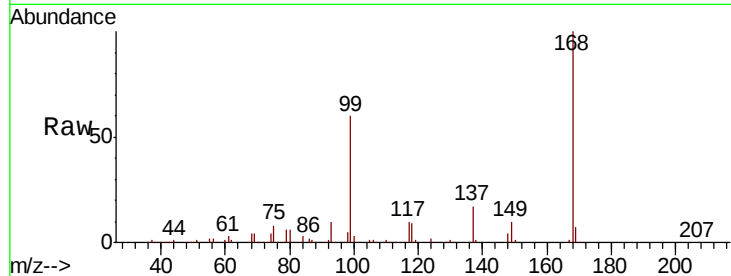
Tot Ion:117 Resp: 30417

Ion Ratio Lower Upper

117 100

119 6.5 75.4 113.0#

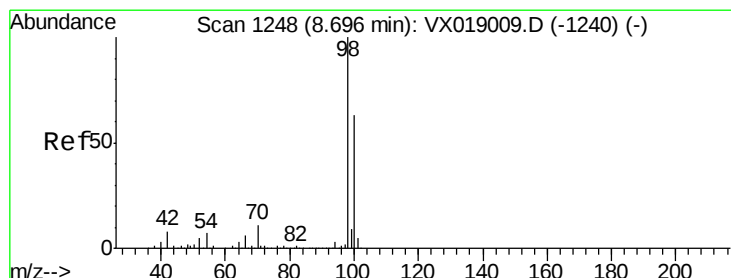
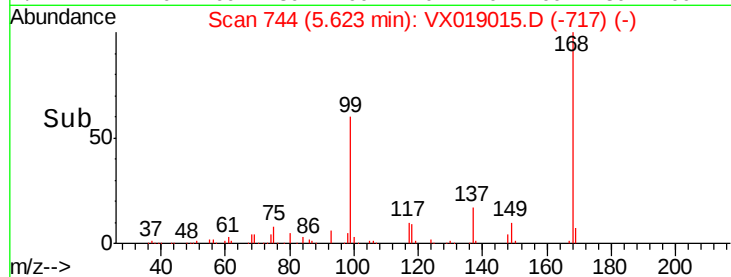
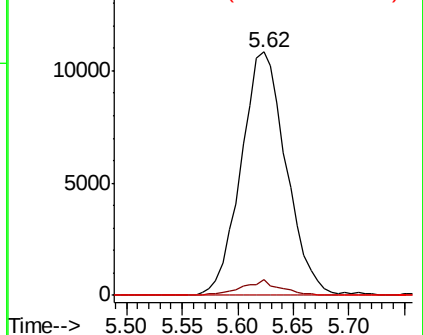
121 0.0 25.0 37.6#



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: 50.833 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019015.D

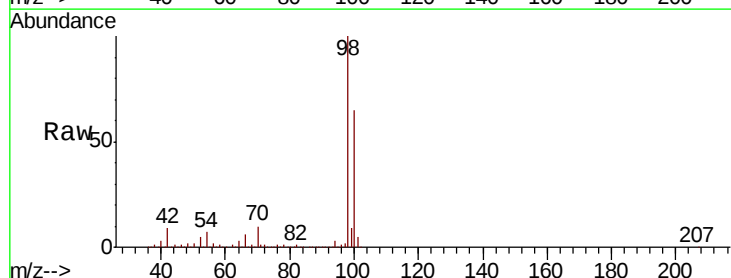
Acq: 22 Oct 2020 10:35

Tgt Ion: 98 Resp: 668455

Ion Ratio Lower Upper

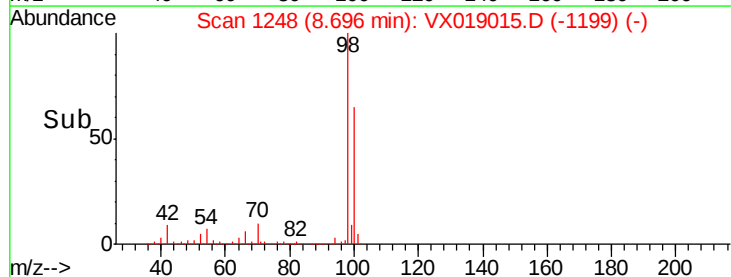
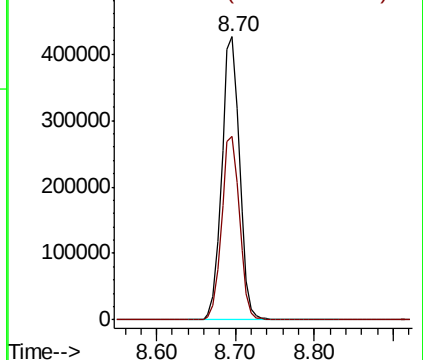
98 100

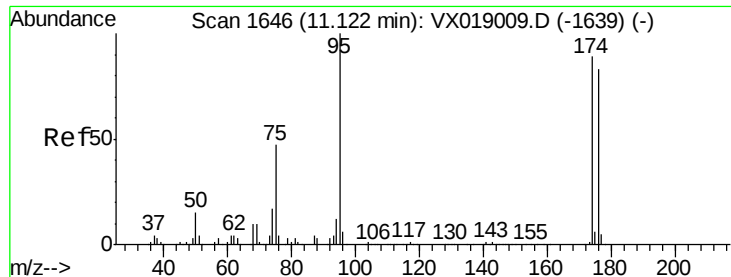
100 65.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 50.286 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019015.D

Acq: 22 Oct 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL01

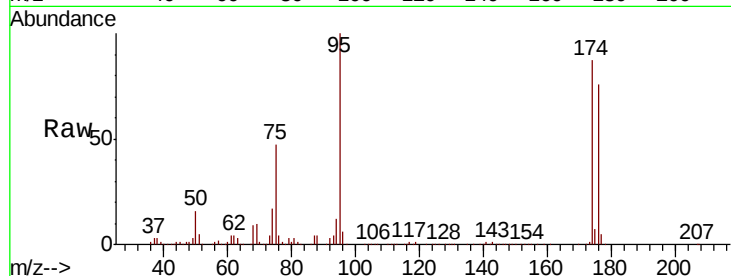
Tot Ion: 95 Resp: 235210

Ion Ratio Lower Upper

95 100

174 83.6 0.0 167.6

176 77.6 0.0 165.2

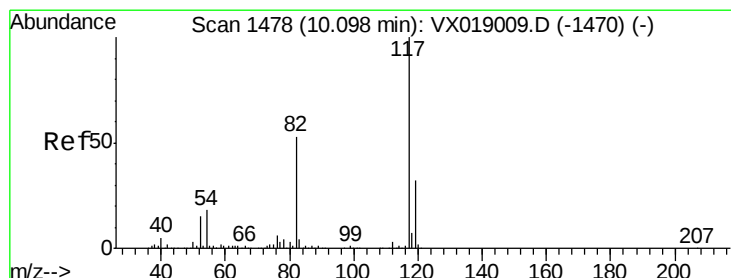
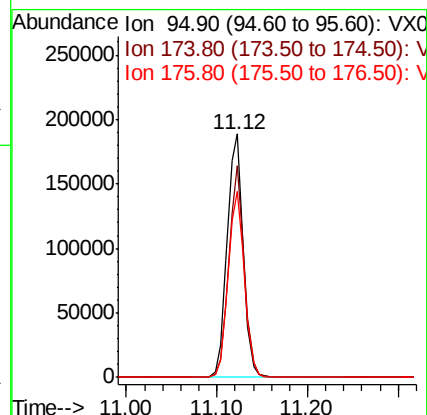
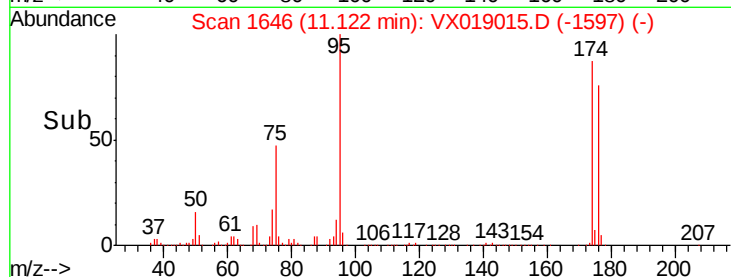


Abundance Ion 94.90 (94.60 to 95.60): VX019009.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX019009.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX019009.D (-1639) (-)

Time--> 11.00 11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.01 min

Lab File: VX019015.D

Acq: 22 Oct 2020 10:35

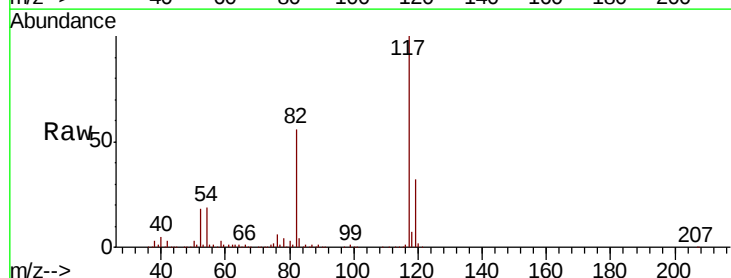
Tgt Ion: 117 Resp: 505838

Ion Ratio Lower Upper

117 100

82 56.1 42.4 63.6

119 31.9 25.6 38.4

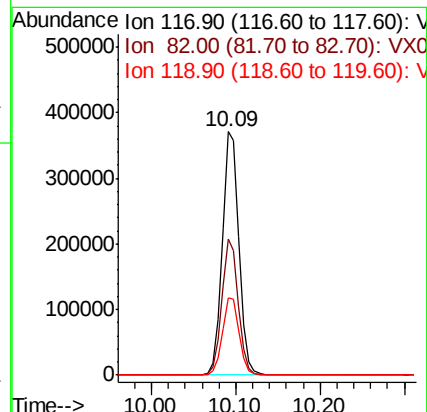
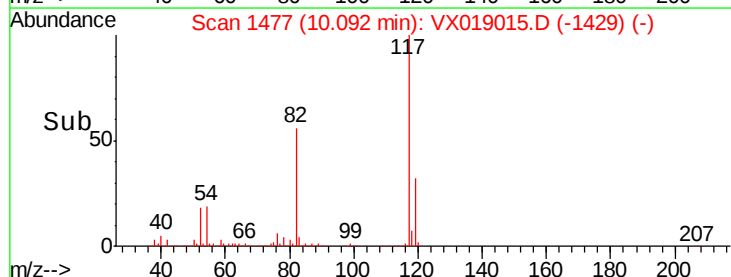


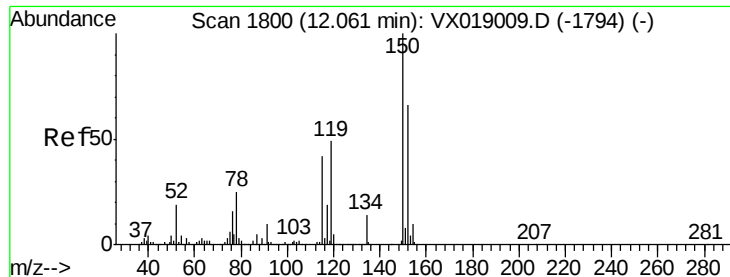
Abundance Ion 116.90 (116.60 to 117.60): VX019009.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019009.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019009.D (-1470) (-)

Time--> 10.00 10.10 10.20





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019015.D

Acq: 22 Oct 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL01

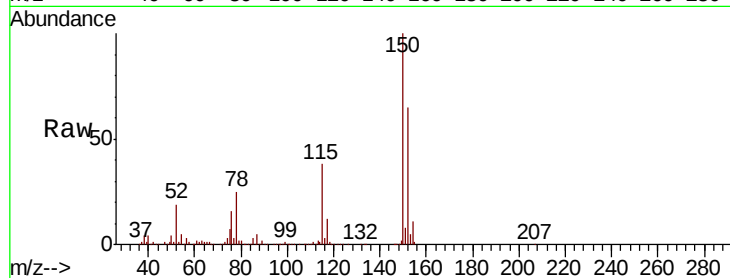
Tot Ion:152 Resp: 249964

Ion Ratio Lower Upper

152 100

115 58.2 40.8 122.5

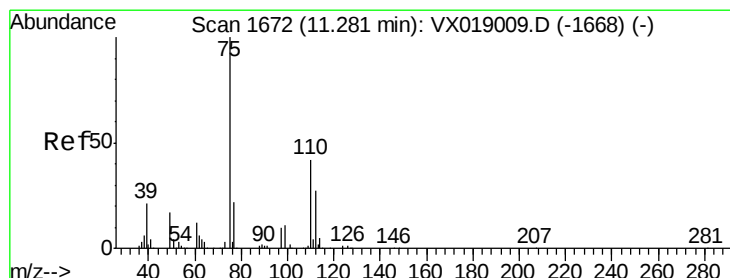
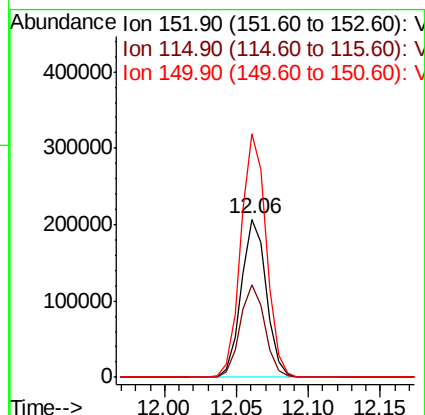
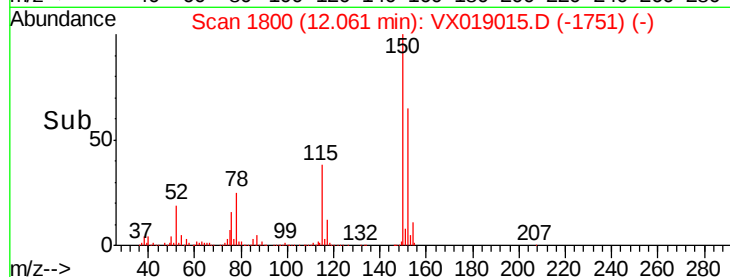
150 156.6 0.0 345.6



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: 23.338 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019015.D

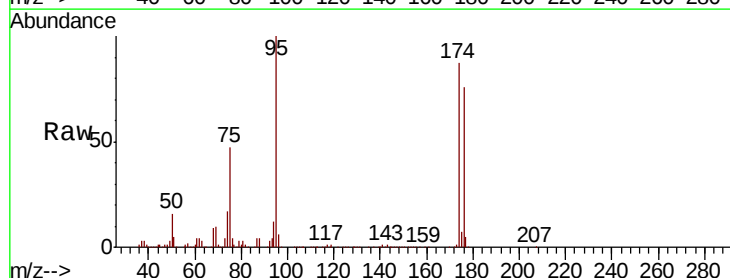
Acq: 22 Oct 2020 10:35

Tgt Ion: 75 Resp: 116598

Ion Ratio Lower Upper

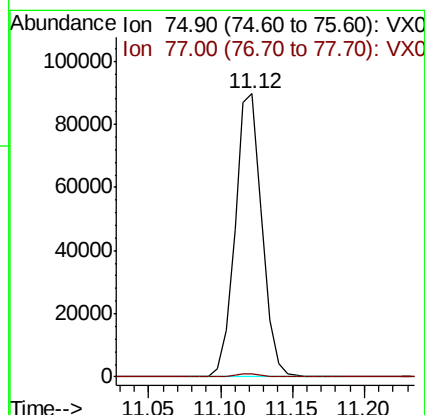
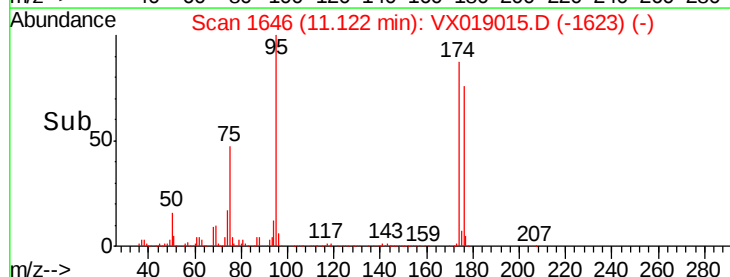
75 100

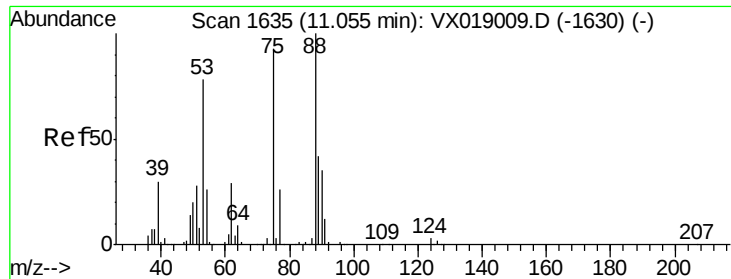
77 1.3 20.7 62.1#



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: 59.460 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019015.D

Acq: 22 Oct 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL01

Tot Ion: 75 Resp: 116598

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#

