

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
 Data File : VX011573.D
 Acq On : 16 Aug 2019 11:55
 Operator : JC/SP
 Sample : VX0816WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBL01

Quant Time: Aug 19 01:05:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	450170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	622844	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	554424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	270569	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	216891	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	5.49	113	187824	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
50) Toluene-d8	8.71	98	706038	55.62	ug/l	0.00
Spiked Amount			Recovery	=	111.24%	
62) 4-Bromofluorobenzene	11.13	95	247070	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	

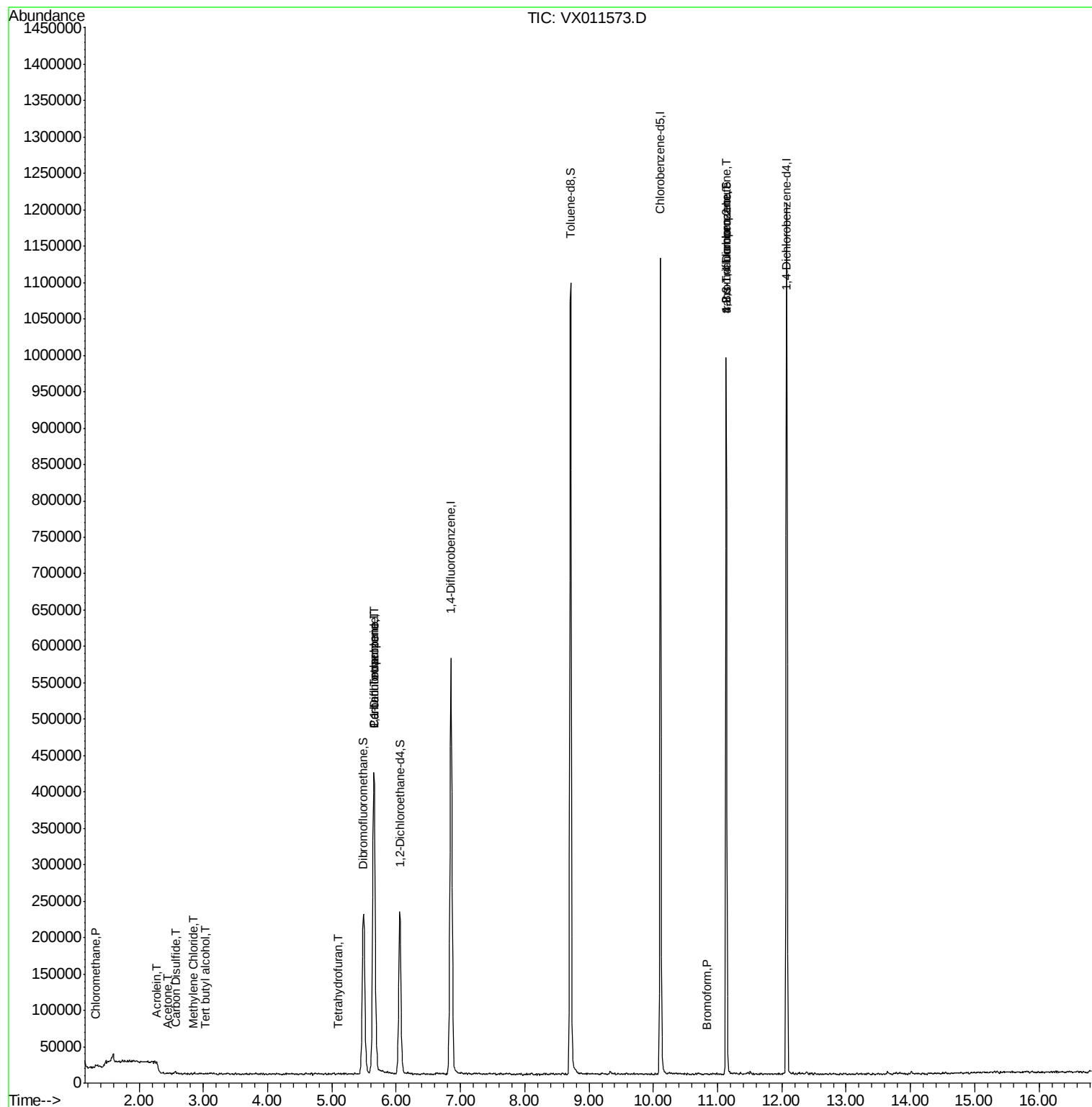
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1249	0.272	ug/l #	71
11) Tert butyl alcohol	3.04	59	238	0.232	ug/l #	1
13) Acrolein	2.28	56	116	12.534	ug/l #	1
16) Acetone	2.44	43	420	0.200	ug/l #	46
17) Carbon Disulfide	2.57	76	2192	0.242	ug/l #	64
20) Methylene Chloride	2.85	84	1006	0.228	ug/l #	73
29) Tetrahydrofuran	5.10	42	575	0.266	ug/l #	48
36) 1,1-Dichloropropene	5.65	75	25740	4.834	ug/l #	51
38) Carbon Tetrachloride	5.65	117	38287	6.526	ug/l #	16
71) Bromoform	10.85	173	135	3.321	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	113596	22.141	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	113596	59.083	ug/l #	11

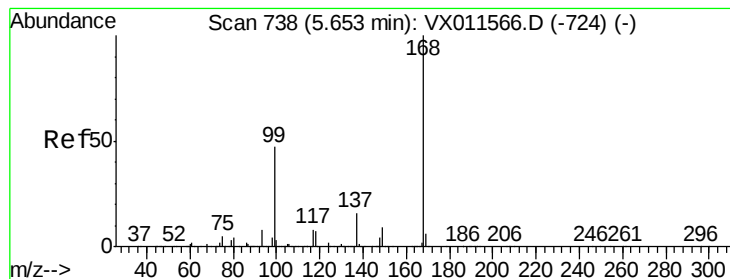
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011573.D

Acq: 16 Aug 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

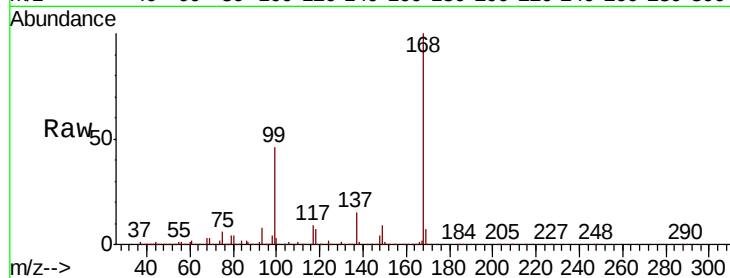
VX0816WBL01

Tgt Ion:168 Resp: 450170

Ion Ratio Lower Upper

168 100

99 46.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

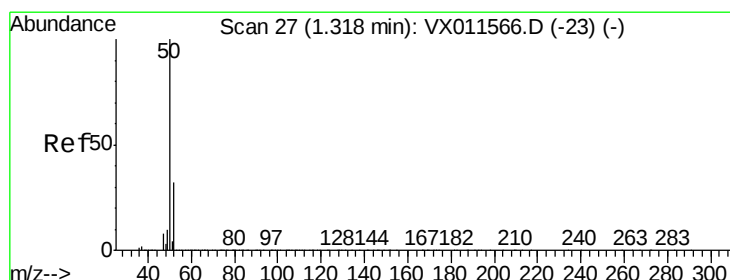
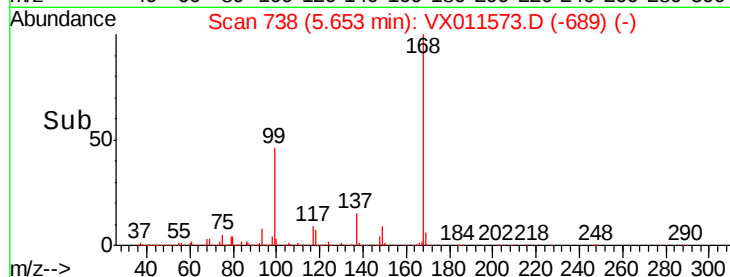
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.272 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011573.D

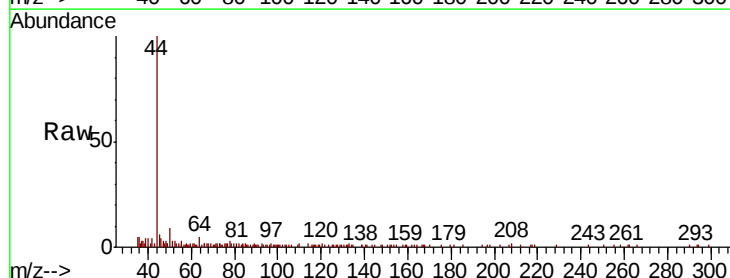
Acq: 16 Aug 2019 11:55

Tgt Ion: 50 Resp: 1249

Ion Ratio Lower Upper

50 100

52 16.2 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

800

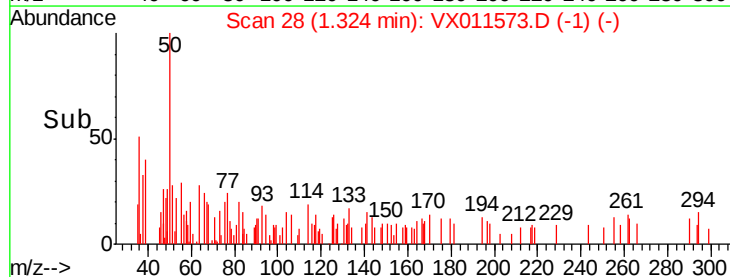
600

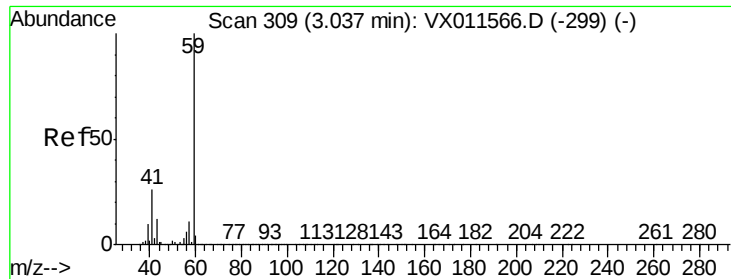
400

200

0

Time-->

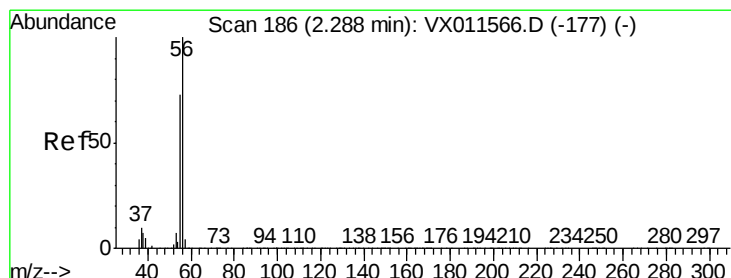
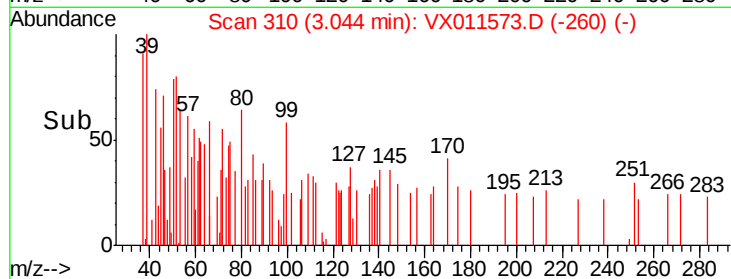
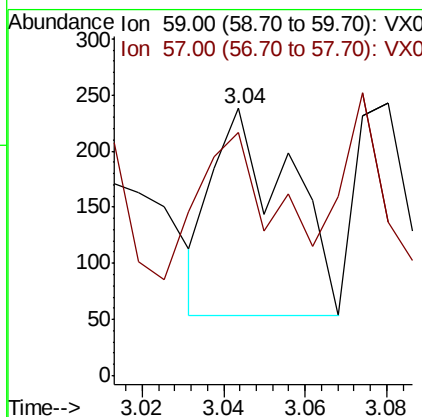
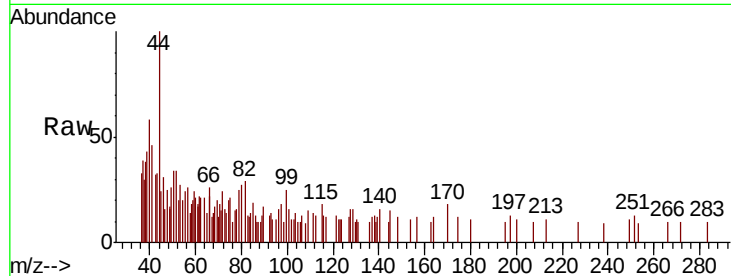




#11
Tert butyl alcohol
Concen: 0.232 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011573.D
Acq: 16 Aug 2019 11:55

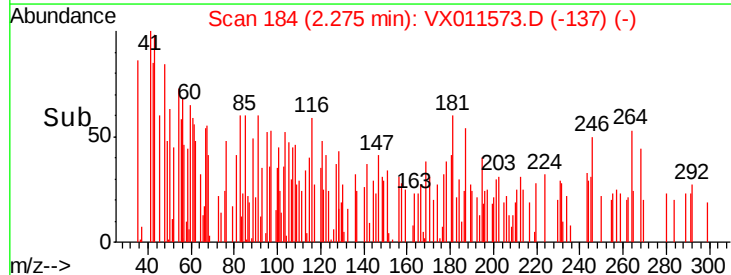
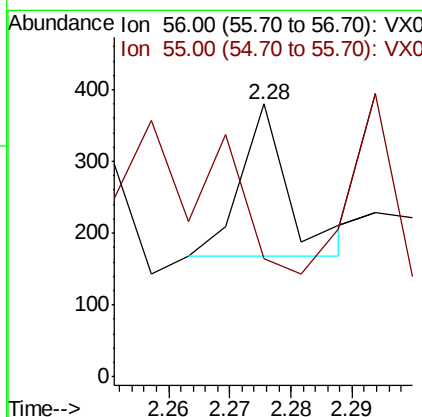
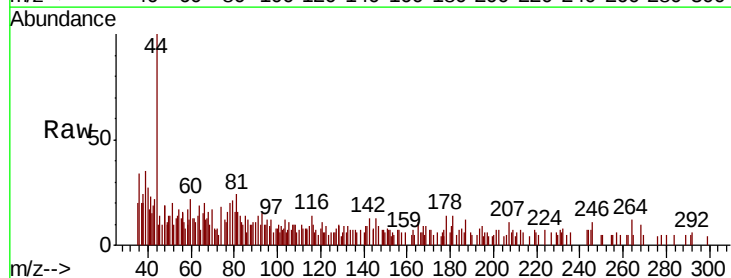
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL01

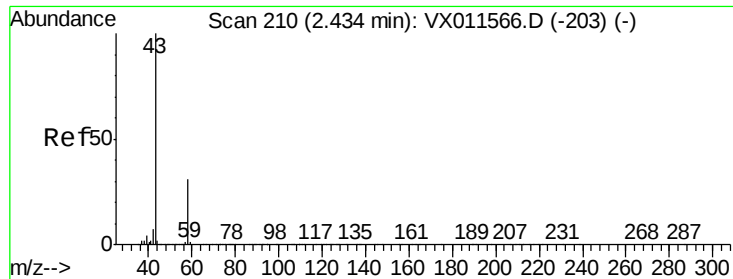
Tgt Ion: 59 Resp: 238
Ion Ratio Lower Upper
59 100
57 68.9 8.7 13.1#



#13
Acrolein
Concen: 12.534 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.01 min
Lab File: VX011573.D
Acq: 16 Aug 2019 11:55

Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 195.7 55.5 83.3#





#16

Acetone

Concen: 0.200 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011573.D

Acq: 16 Aug 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

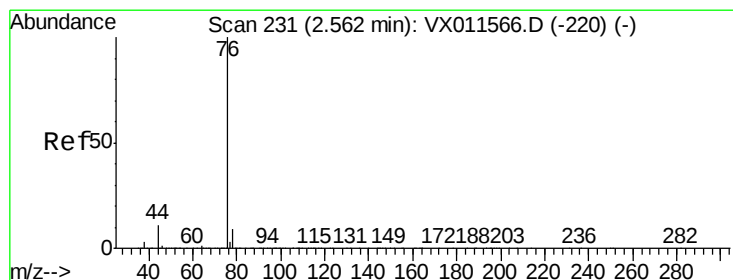
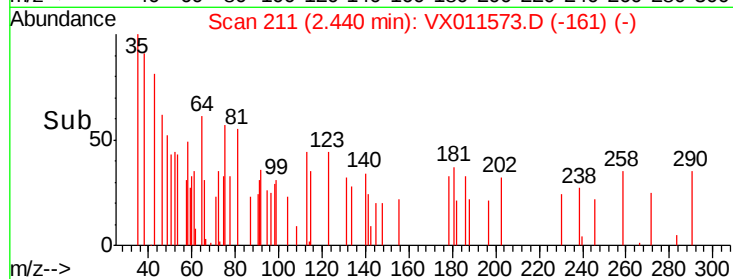
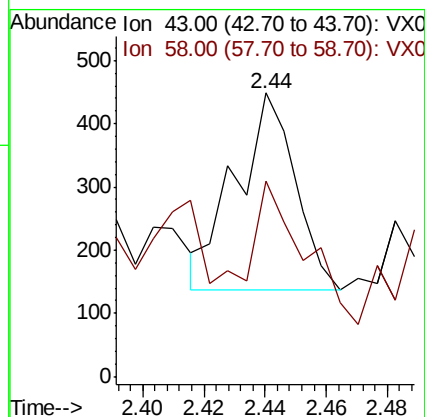
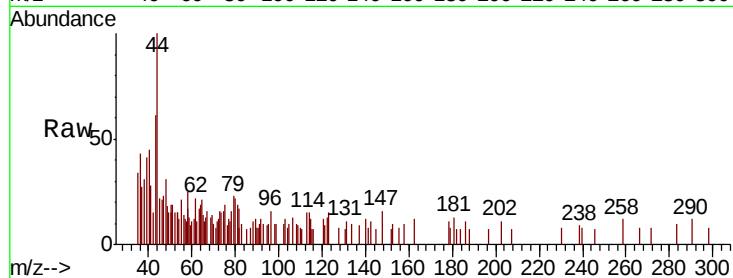
VX0816WBL01

Tgt Ion: 43 Resp: 420

Ion Ratio Lower Upper

43 100

58 61.5 25.2 37.8#



#17

Carbon Disulfide

Concen: 0.242 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX011573.D

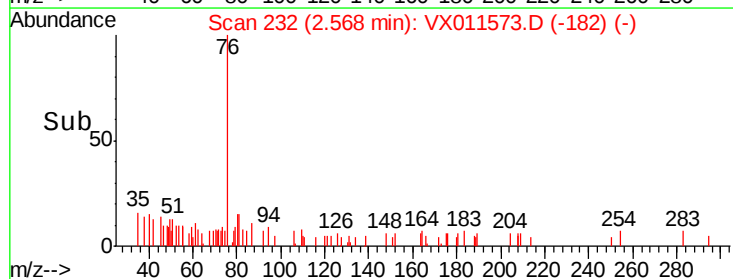
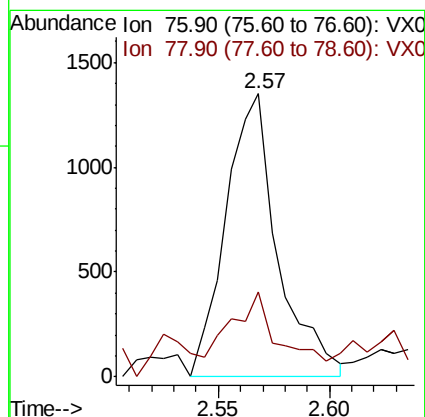
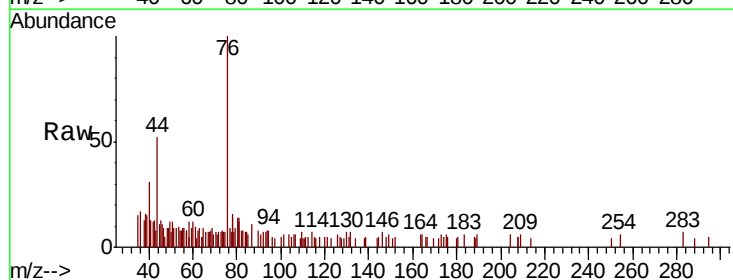
Acq: 16 Aug 2019 11:55

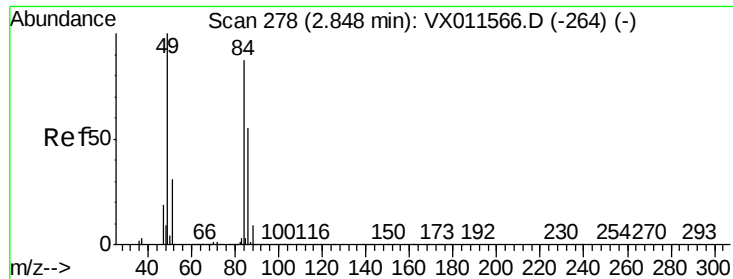
Tgt Ion: 76 Resp: 2192

Ion Ratio Lower Upper

76 100

78 22.0 7.2 10.8#

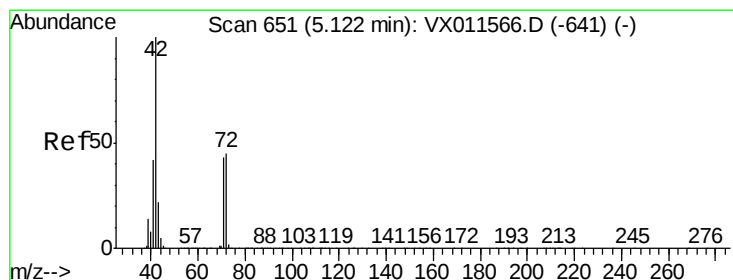
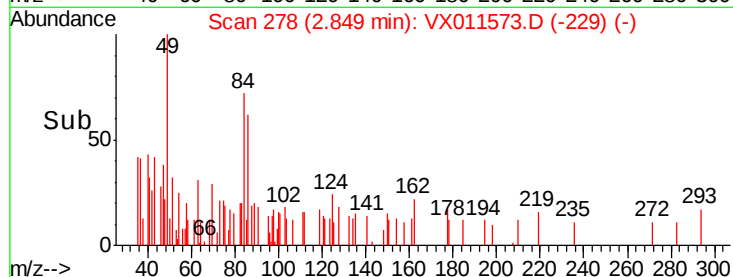
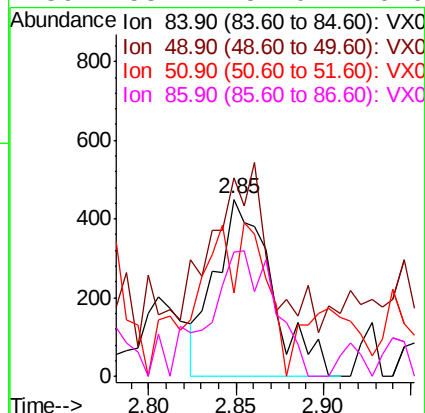
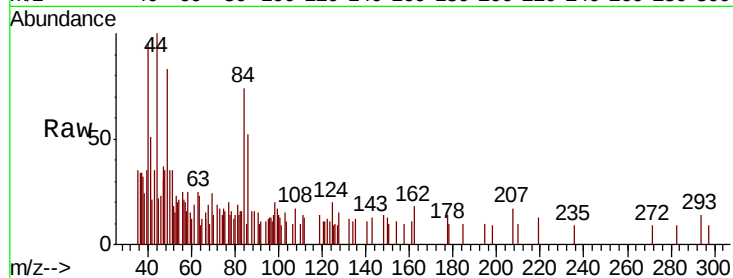




#20
Methylene Chloride
Concen: 0.228 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011573.D
Acq: 16 Aug 2019 11:55

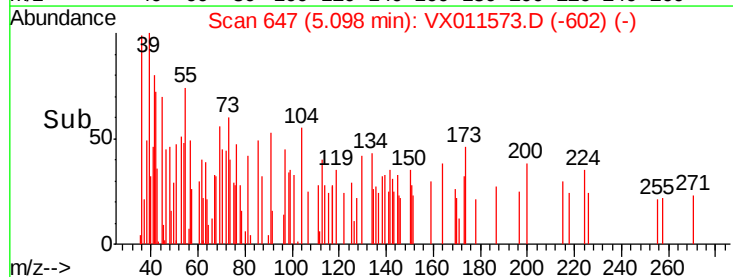
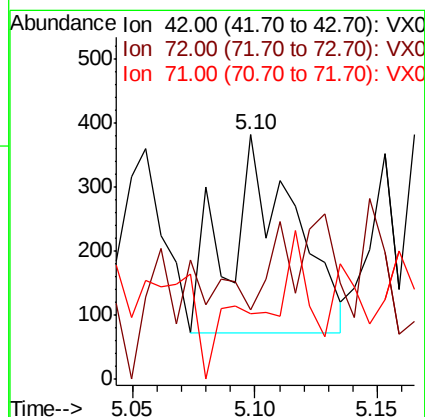
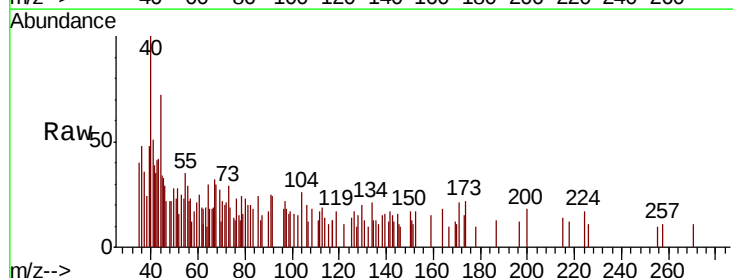
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL01

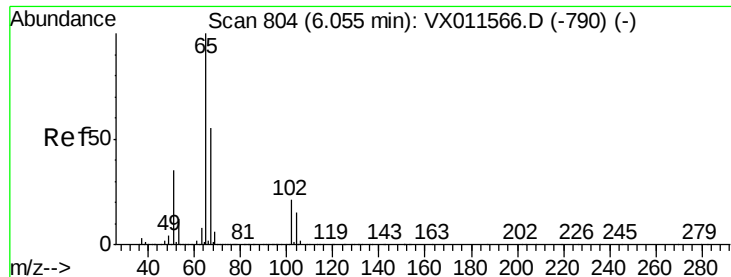
Tgt Ion:	84	Resp:	1006
Ion	Ratio	Lower	Upper
84	100		
49	76.7	92.4	138.6#
51	15.1	28.5	42.7#
86	58.1	51.0	76.6



#29
Tetrahydrofuran
Concen: 0.266 ug/l
RT: 5.10 min Scan# 647
Delta R.T. -0.02 min
Lab File: VX011573.D
Acq: 16 Aug 2019 11:55

Tgt Ion:	42	Resp:	575
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.1	54.1#
71	20.5	33.8	50.8#





#33

1,2-Dichloroethane-d4

Concen: 51.954 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011573.D

Acq: 16 Aug 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

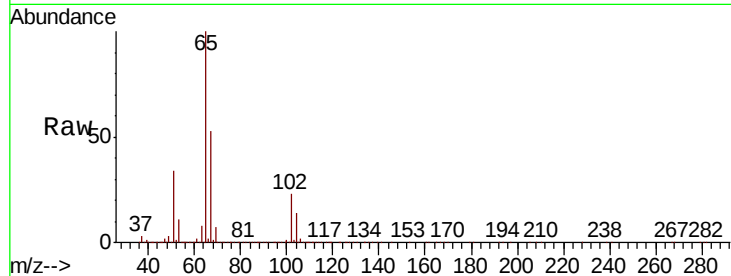
VX0816WBL01

Tgt Ion: 65 Resp: 216891

Ion Ratio Lower Upper

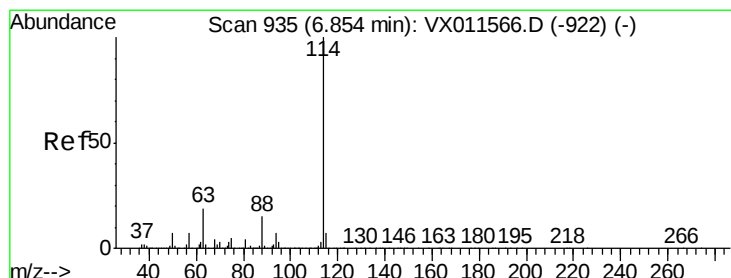
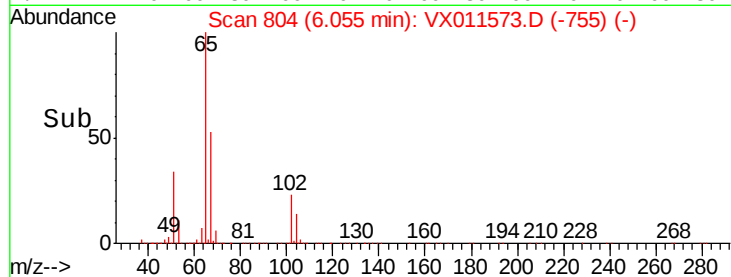
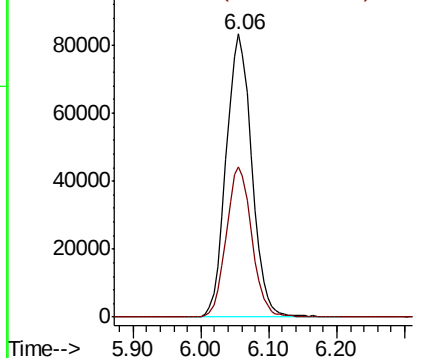
65 100

67 52.6 0.0 107.6



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: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011573.D

Acq: 16 Aug 2019 11:55

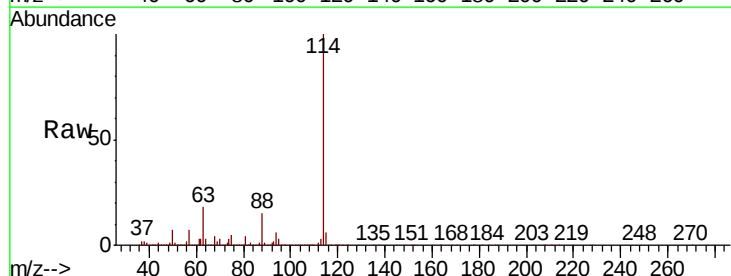
Tgt Ion: 114 Resp: 622844

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.8

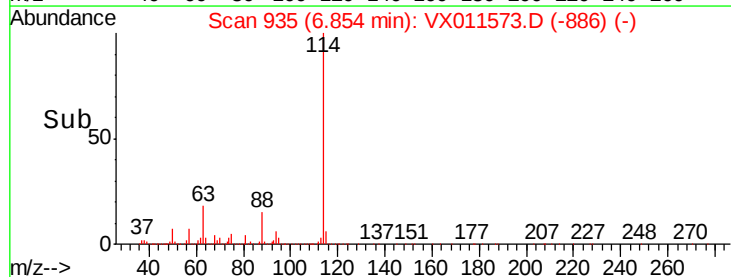
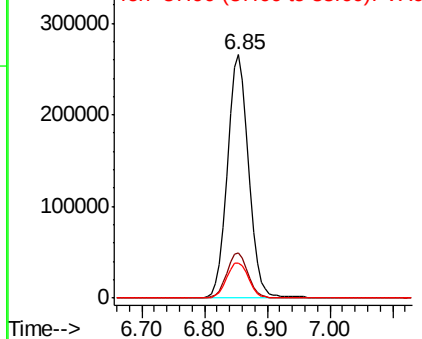
88 14.6 0.0 30.2

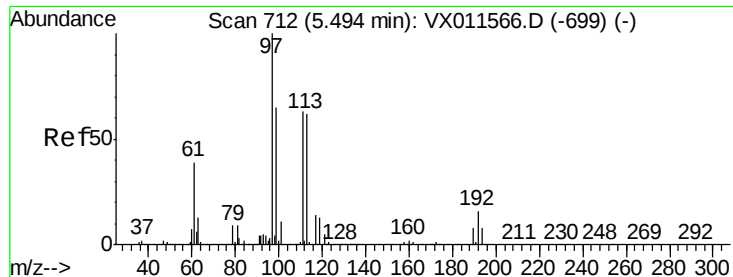


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.105 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011573.D

Acq: 16 Aug 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBL01

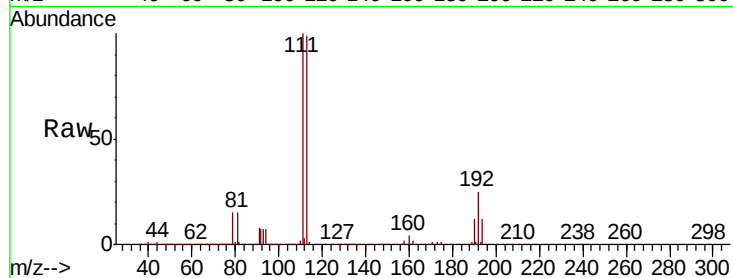
Tgt Ion:113 Resp: 187824

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

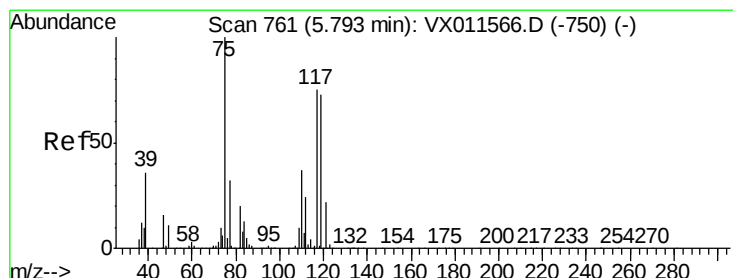
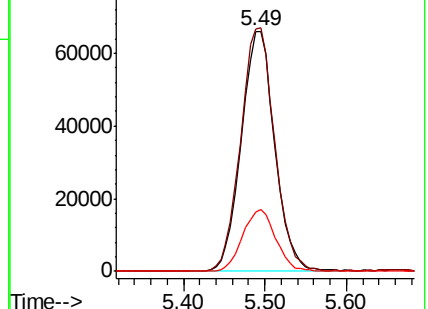
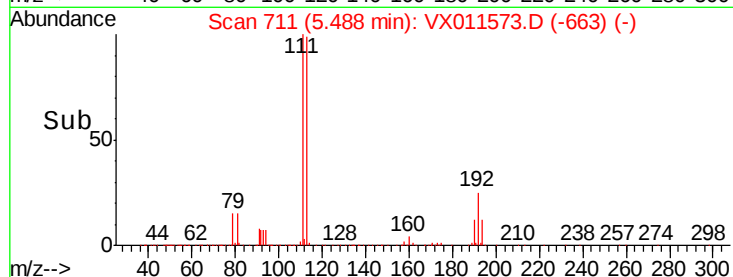
192 25.6 20.8 31.2



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: 4.834 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.15 min

Lab File: VX011573.D

Acq: 16 Aug 2019 11:55

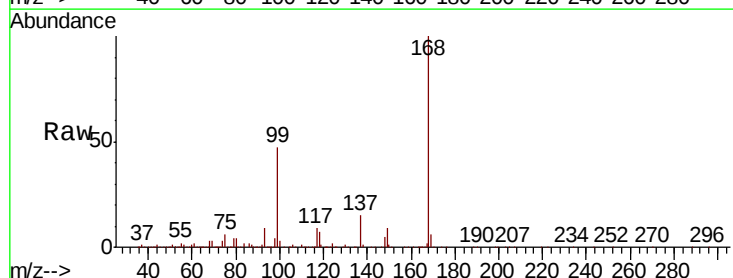
Tgt Ion: 75 Resp: 25740

Ion Ratio Lower Upper

75 100

110 12.9 19.4 58.1#

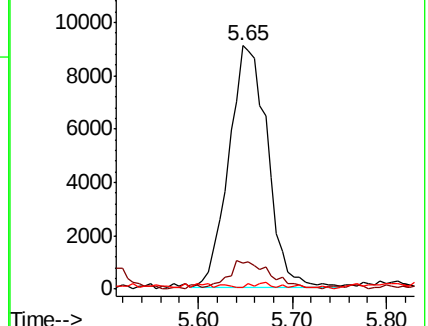
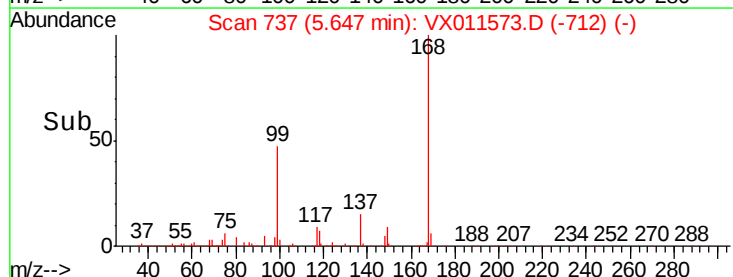
77 0.0 25.1 37.7#

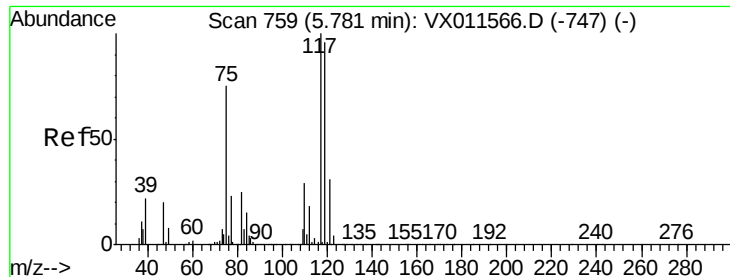


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.526 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011573.D

Acq: 16 Aug 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBL01

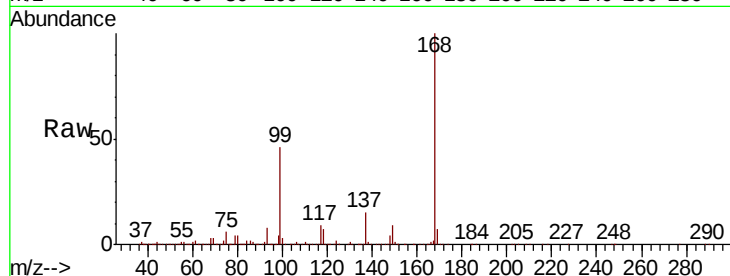
Tgt Ion:117 Resp: 38287

Ion Ratio Lower Upper

117 100

119 5.0 76.9 115.3#

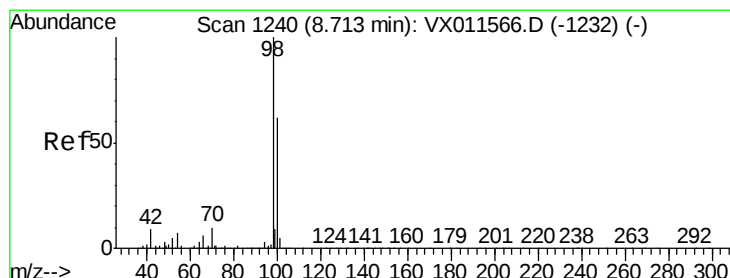
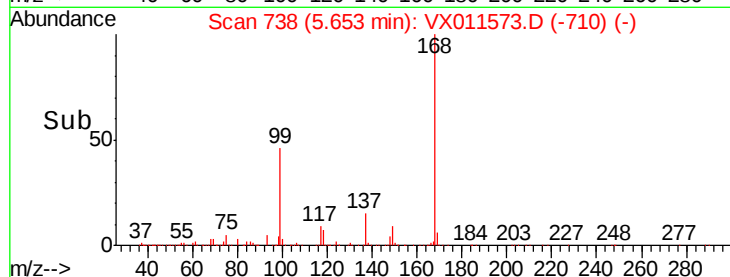
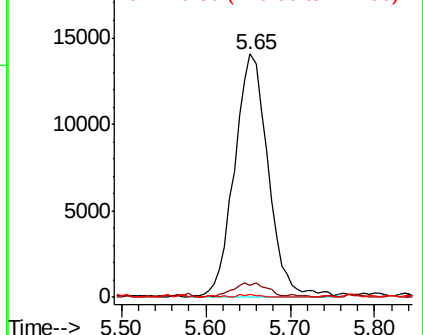
121 1.3 24.8 37.2#



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: 55.622 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011573.D

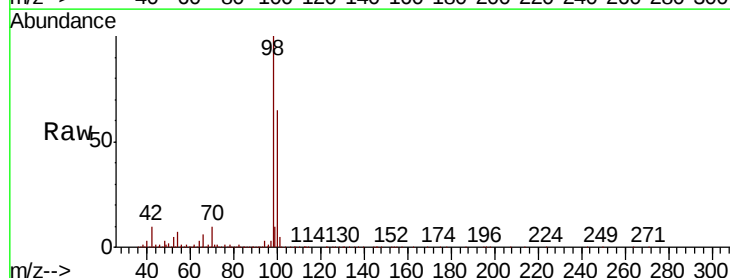
Acq: 16 Aug 2019 11:55

Tgt Ion: 98 Resp: 706038

Ion Ratio Lower Upper

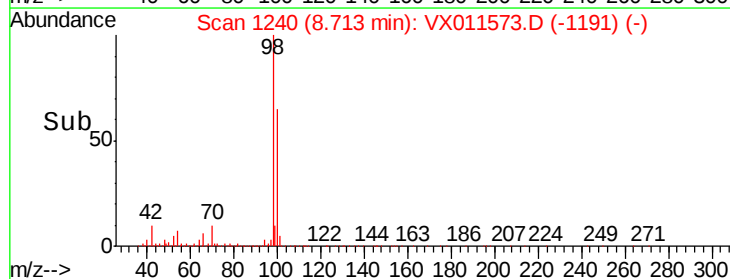
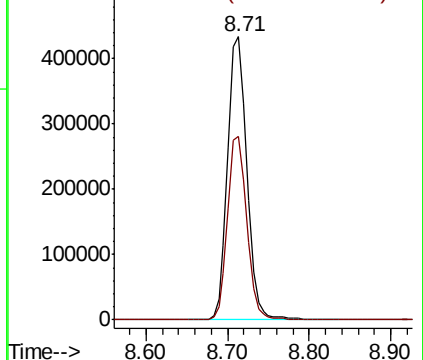
98 100

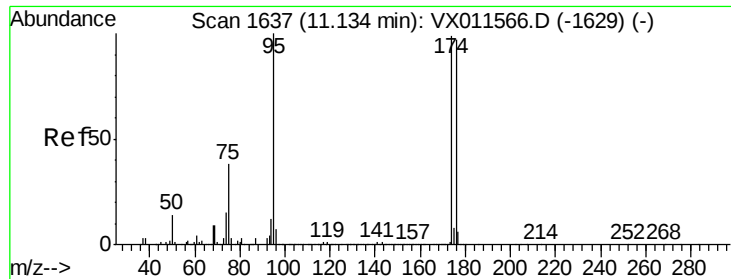
100 64.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.115 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011573.D

Acq: 16 Aug 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBL01

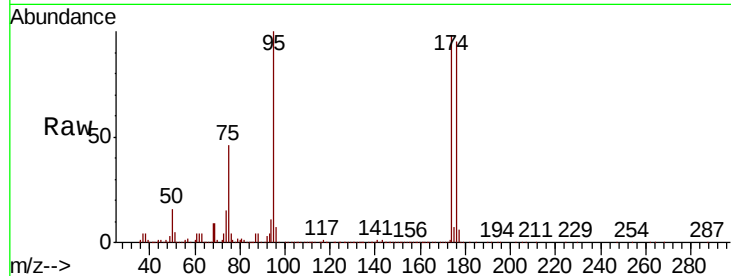
Tgt Ion: 95 Resp: 247070

Ion Ratio Lower Upper

95 100

174 99.0 0.0 200.6

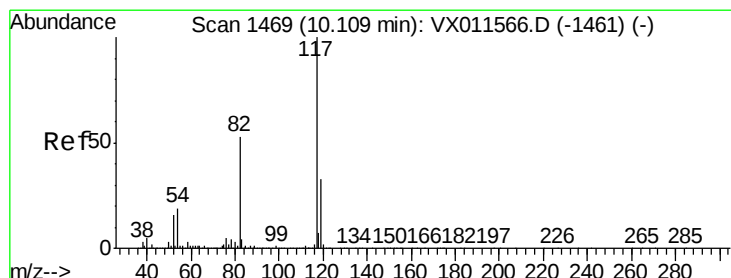
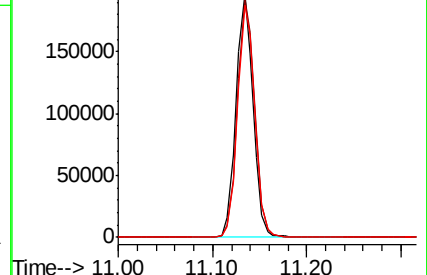
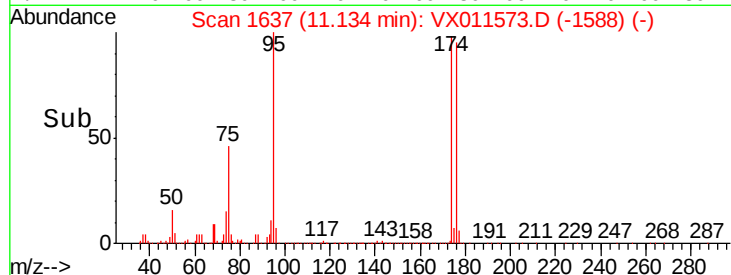
176 95.7 0.0 196.6



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: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011573.D

Acq: 16 Aug 2019 11:55

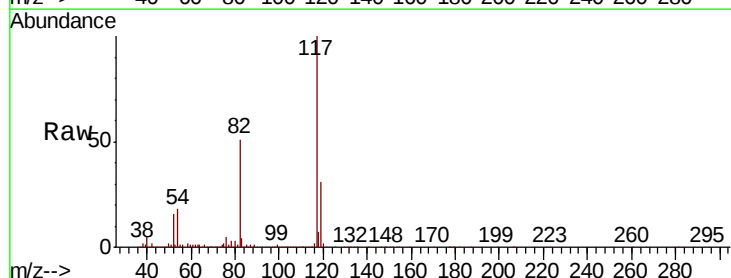
Tgt Ion: 117 Resp: 554424

Ion Ratio Lower Upper

117 100

82 50.9 42.0 63.0

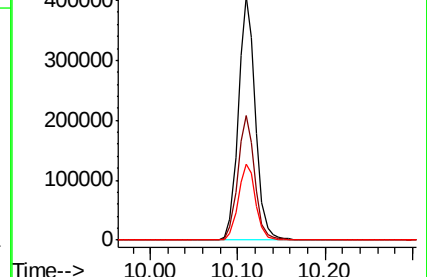
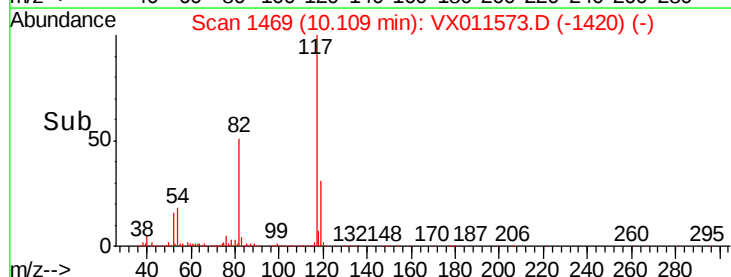
119 31.2 26.5 39.7

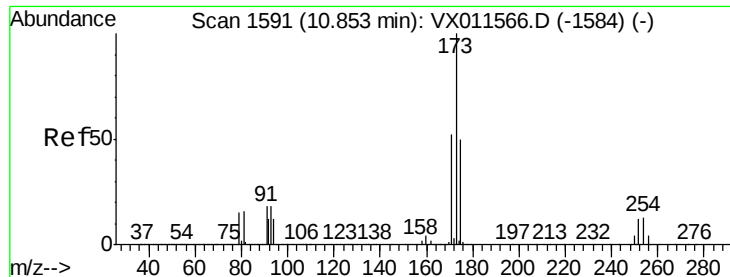


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#71

Bromoform

Concen: 3.321 ug/l

RT: 10.85 min Scan# 1590

Delta R.T. -0.01 min

Lab File: VX011573.D

Acq: 16 Aug 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBL01

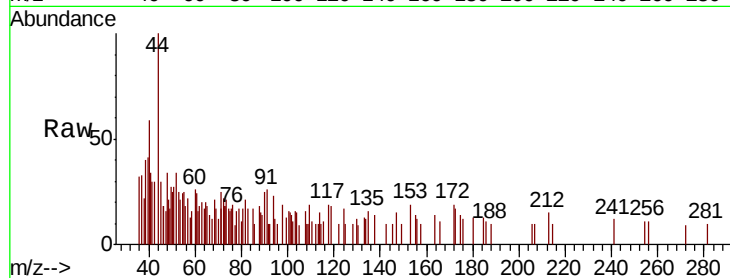
Tgt Ion:173 Resp: 135

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

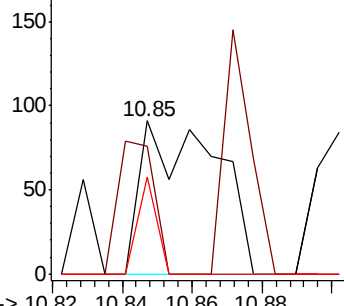
254 15.6 0.1 0.1#



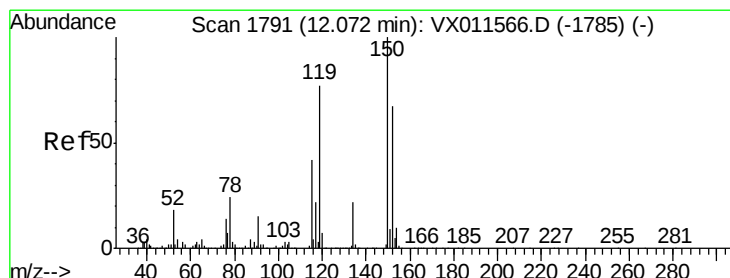
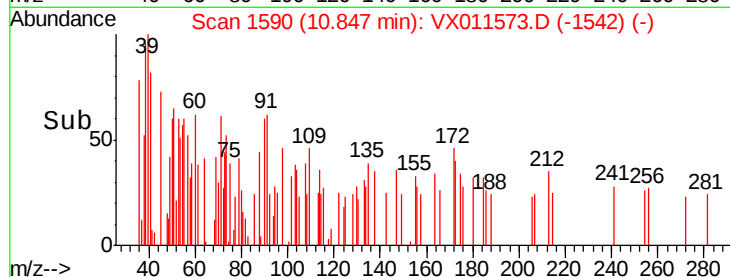
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time--> 10.82 10.84 10.86 10.88



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011573.D

Acq: 16 Aug 2019 11:55

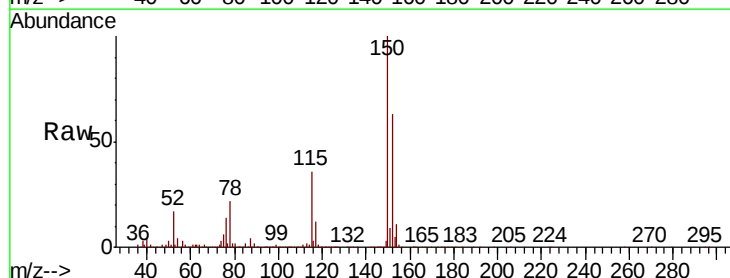
Tgt Ion:152 Resp: 270569

Ion Ratio Lower Upper

152 100

115 53.9 37.3 111.9

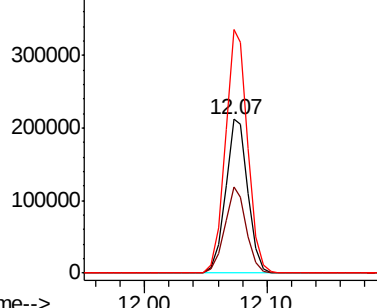
150 157.6 0.0 346.2



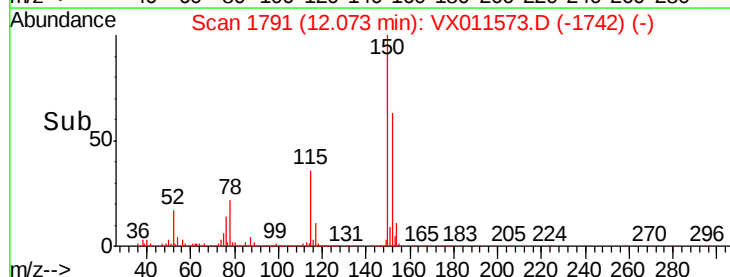
Abundance Ion 151.90 (151.60 to 152.60): V

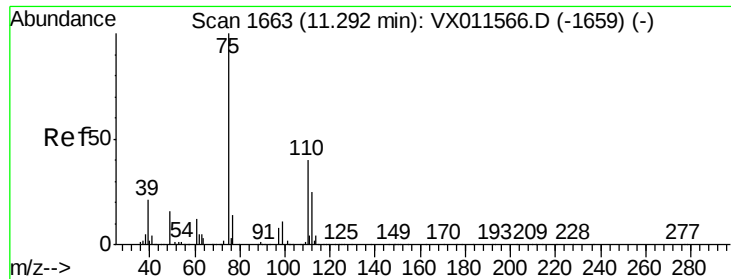
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time--> 12.00 12.10





#76

1,2,3-Trichloropropane

Concen: 22.141 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011573.D

Acq: 16 Aug 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

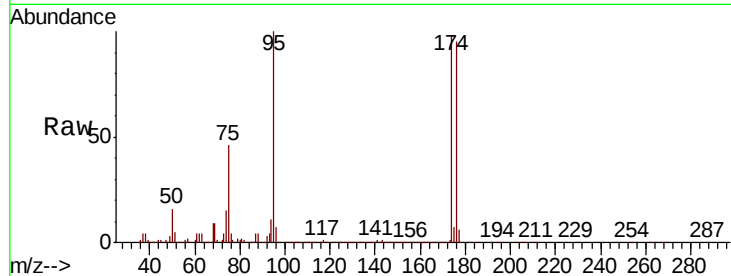
VX0816WBL01

Tgt Ion: 75 Resp: 113596

Ion Ratio Lower Upper

75 100

77 1.5 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

100000

80000

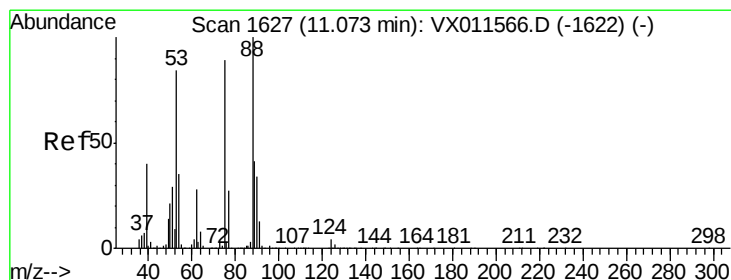
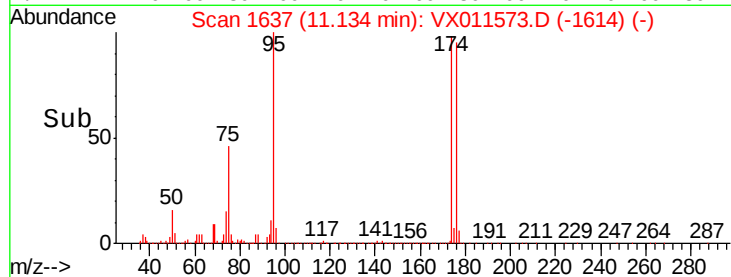
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.083 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011573.D

Acq: 16 Aug 2019 11:55

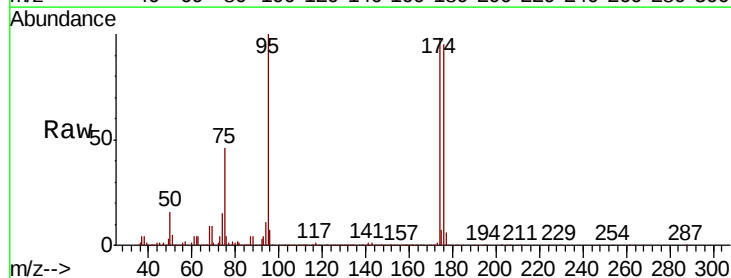
Tgt Ion: 75 Resp: 113596

Ion Ratio Lower Upper

75 100

53 0.3 77.4 116.0#

89 0.2 37.3 55.9#



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

120000

100000

80000

60000

40000

20000

0

Time-->

