

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120618\
 Data File : VX006309.D
 Acq On : 06 Dec 2018 11:12
 Operator : JC/MD
 Sample : VX1206WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 07 04:27:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	751674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1124211	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1007609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	497326	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	364144	47.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.92%	
35) Dibromofluoromethane	5.50	113	351334	48.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.54%	
50) Toluene-d8	8.71	98	1291018	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.13	95	482102	48.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.64%	

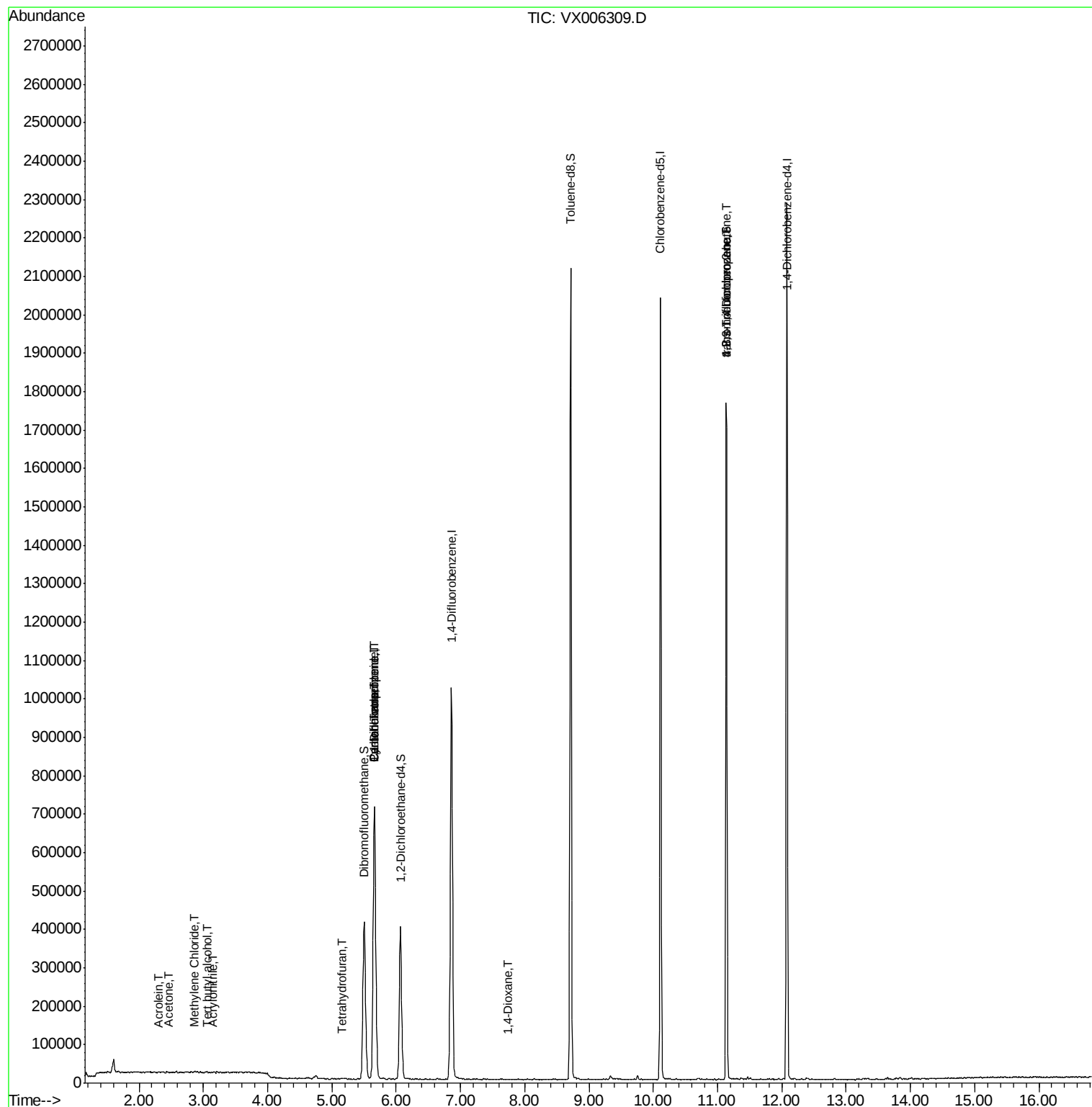
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.05	59	467	0.223	ug/l #	38
13) Acrolein	2.29	56	237	0.207	ug/l #	1
15) Acrylonitrile	3.15	53	1062	0.243	ug/l #	63
16) Acetone	2.45	43	2077	0.577	ug/l #	76
20) Methylene Chloride	2.85	84	2115	0.276	ug/l #	85
29) Tetrahydrofuran	5.17	42	790	0.221	ug/l #	46
31) Cyclohexane	5.66	56	11174	1.008	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	47589	5.027	ug/l #	48
38) Carbon Tetrachloride	5.66	117	67518	6.062	ug/l #	15
49) 1,4-Dioxane	7.75	88	384	1.812	ug/l #	45
76) 1,2,3-Trichloropropane	11.13	75	220133	22.932	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	220133	53.816	ug/l #	15

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

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MSVOA_X
ClientSampleId :

Quant Time: Dec 07 04:27:14 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006309.D

Acq: 06 Dec 2018 11:12

Instrument :

MSVOA_X

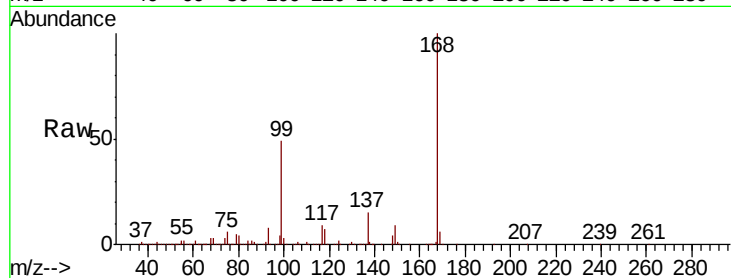
ClientSampleId :

Tot Ion:168 Resp: 751674

Ion Ratio Lower Upper

168 100

99 49.3 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): VX006309.D (-691) (-)

Ion 98.90 (98.60 to 99.60): VX006309.D (-691) (-)

5.67

300000

250000

200000

150000

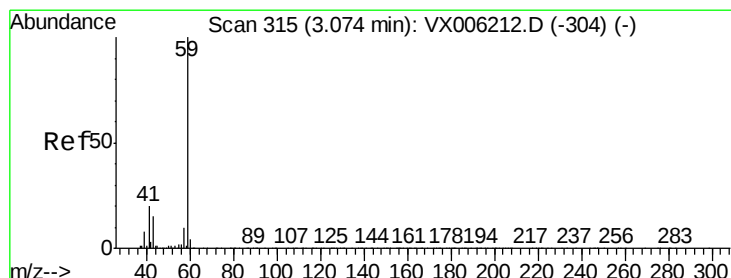
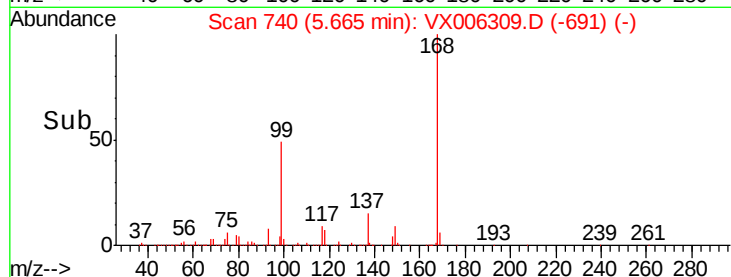
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.223 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.02 min

Lab File: VX006309.D

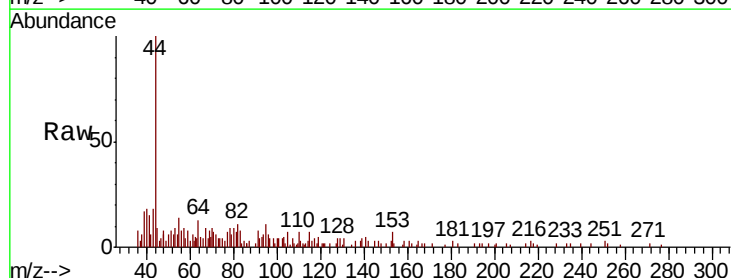
Acq: 06 Dec 2018 11:12

Tgt Ion: 59 Resp: 467

Ion Ratio Lower Upper

59 100

57 33.4 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX006309.D (-266) (-)

Ion 57.00 (56.70 to 57.70): VX006309.D (-266) (-)

3.05

600

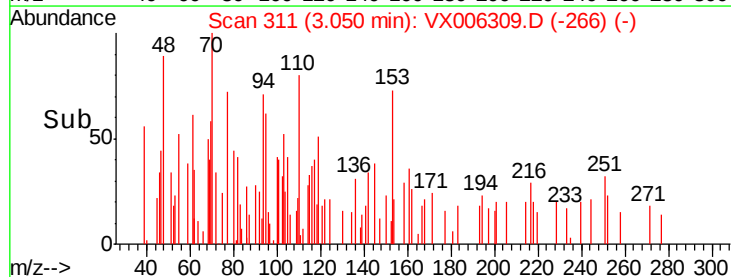
400

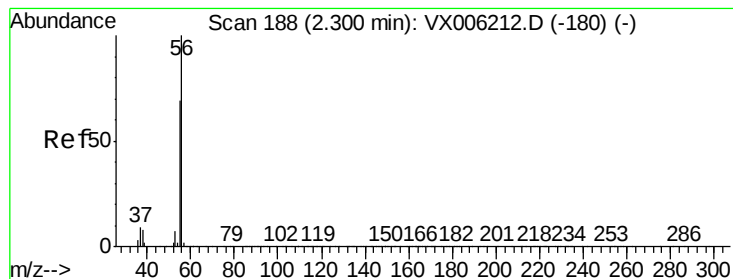
200

0

Time-->

3.00 3.05 3.10





#13

Acrolein

Concen: 0.207 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006309.D

Acq: 06 Dec 2018 11:12

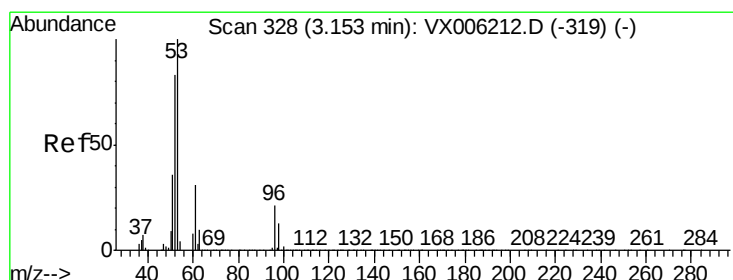
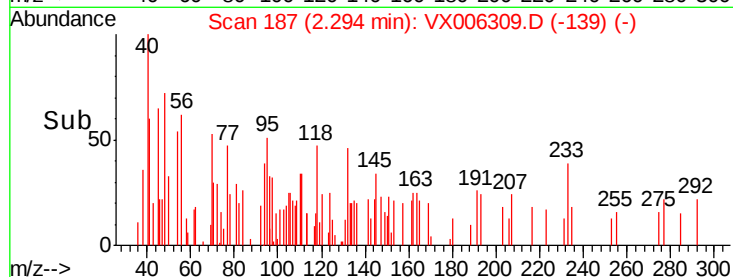
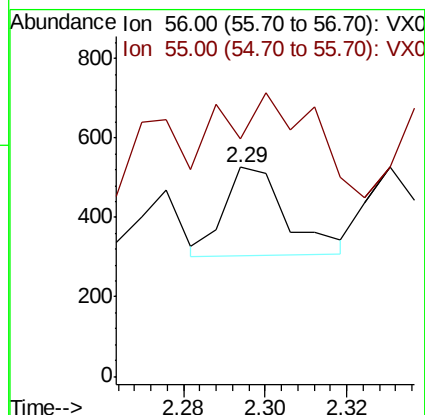
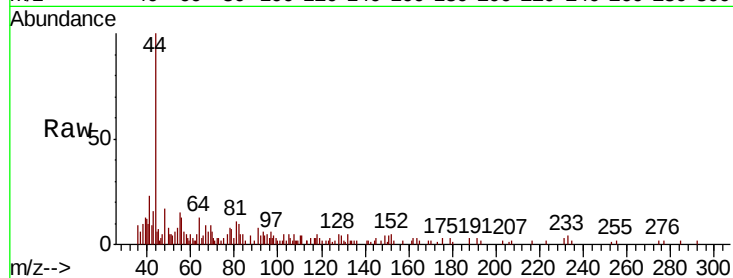
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 237

Ion Ratio Lower Upper

56 100

55 169.6 57.8 86.6#



#15

Acrylonitrile

Concen: 0.243 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006309.D

Acq: 06 Dec 2018 11:12

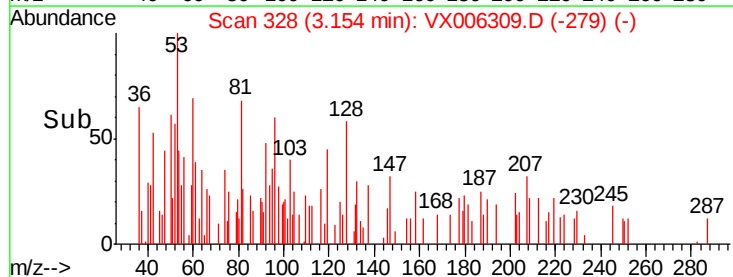
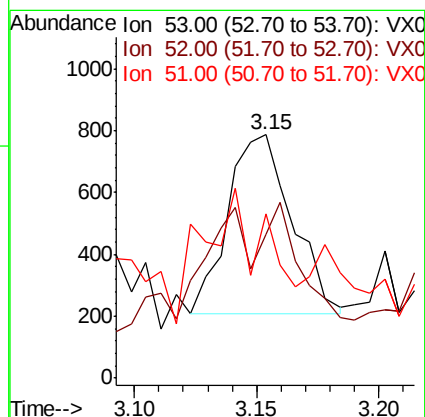
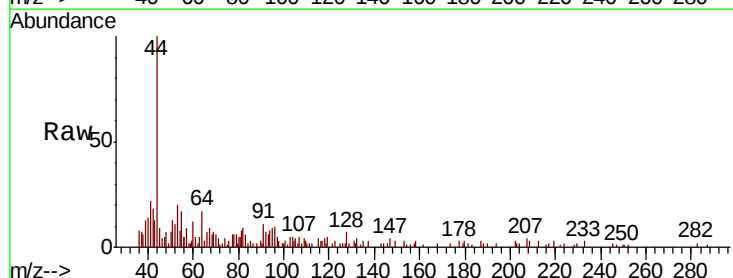
Tgt Ion: 53 Resp: 1062

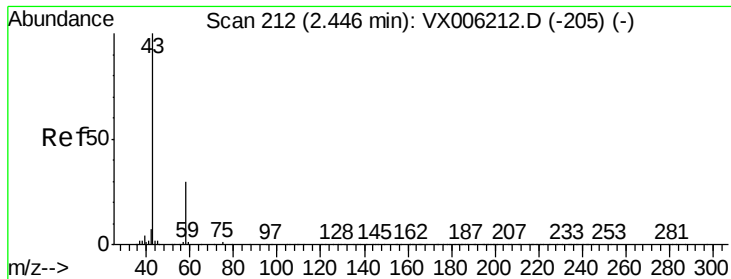
Ion Ratio Lower Upper

53 100

52 59.2 66.2 99.4#

51 72.7 28.7 43.1#





#16

Acetone

Concen: 0.577 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006309.D

Acq: 06 Dec 2018 11:12

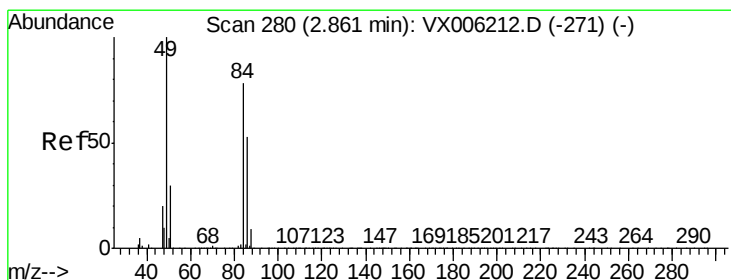
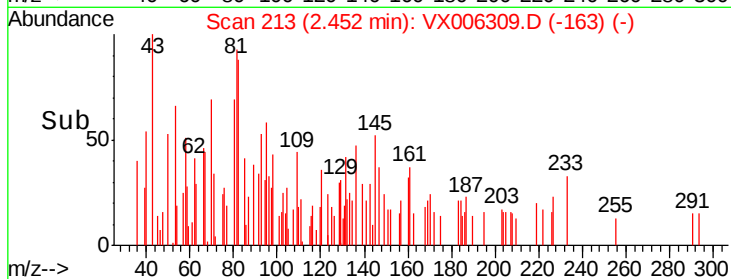
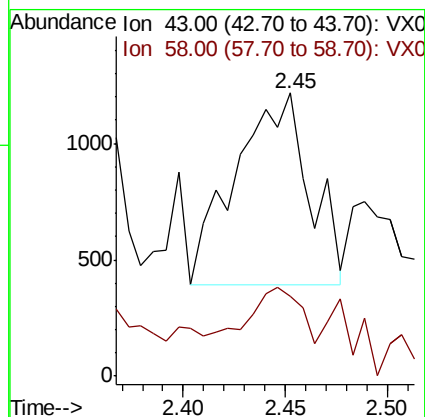
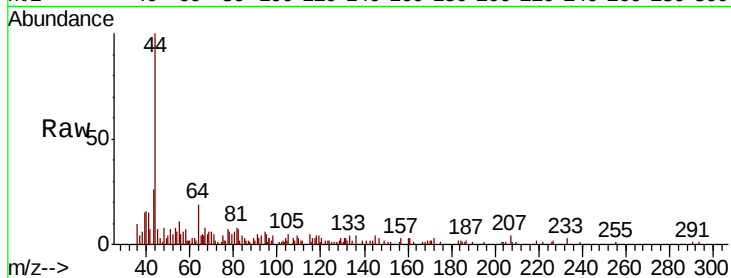
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 2077

Ion Ratio Lower Upper

43 100

58 16.7 24.0 36.0#



#20

Methylene Chloride

Concen: 0.276 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006309.D

Acq: 06 Dec 2018 11:12

Tgt Ion: 84 Resp: 2115

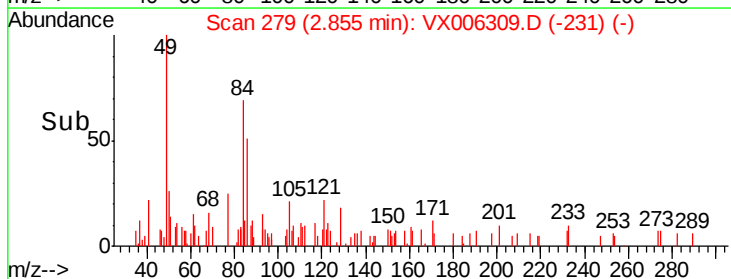
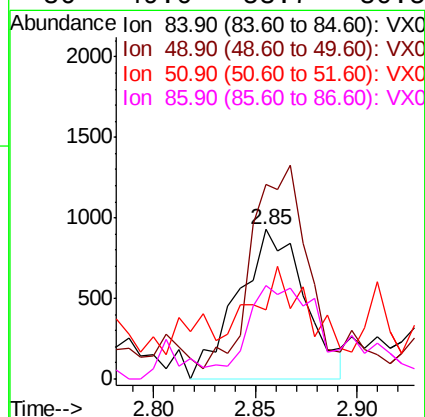
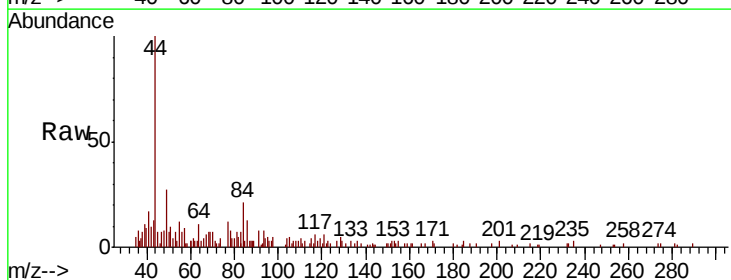
Ion Ratio Lower Upper

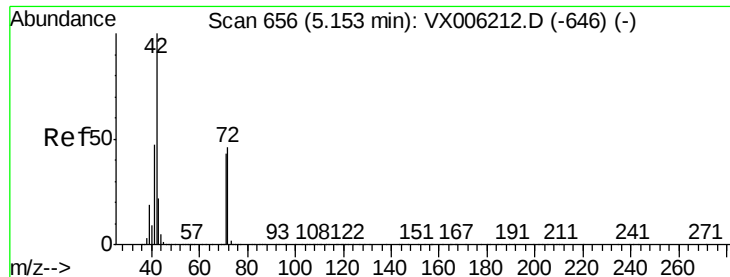
84 100

49 116.6 102.2 153.4

51 25.6 31.1 46.7#

86 49.0 53.7 80.5#

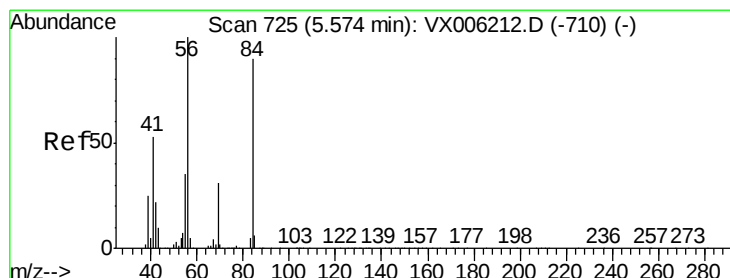
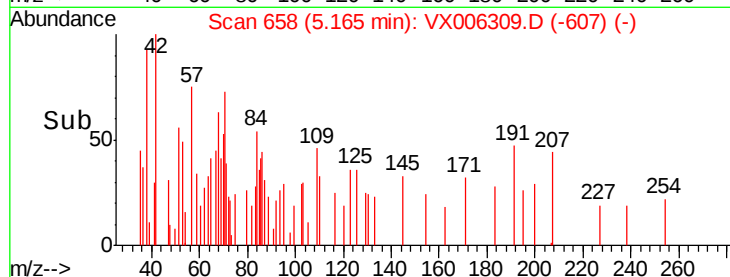
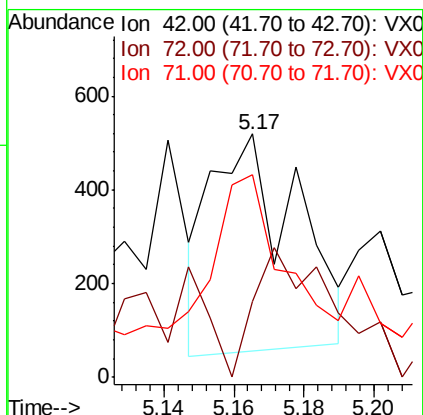
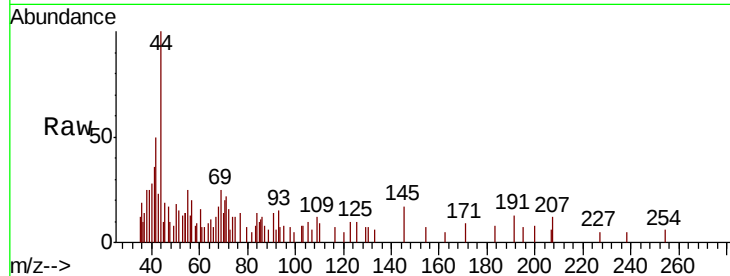




#29
Tetrahydrofuran
Concen: 0.221 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX006309.D
Acq: 06 Dec 2018 11:12

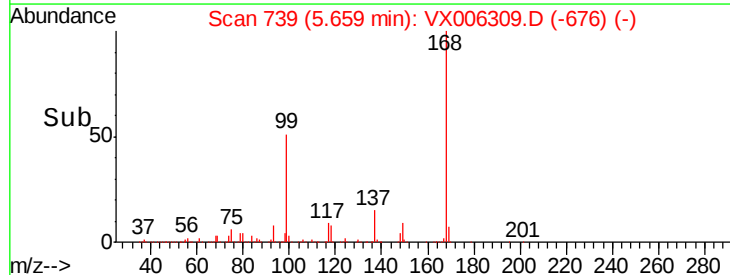
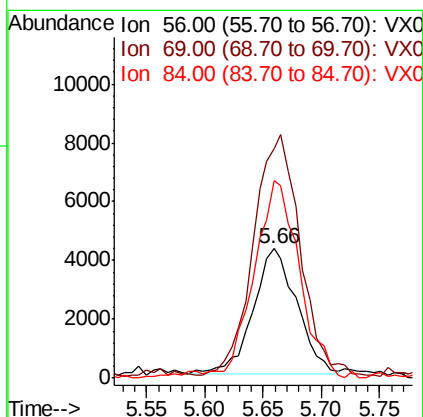
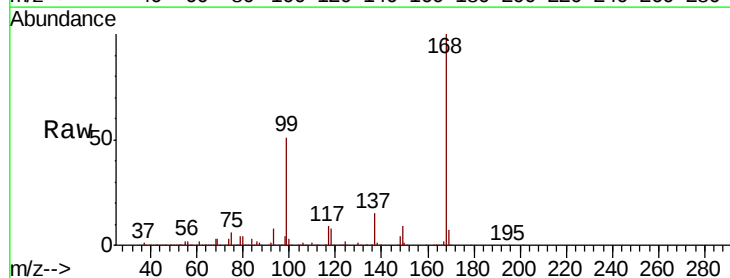
Instrument :
MSVOA_X
ClientSampled :

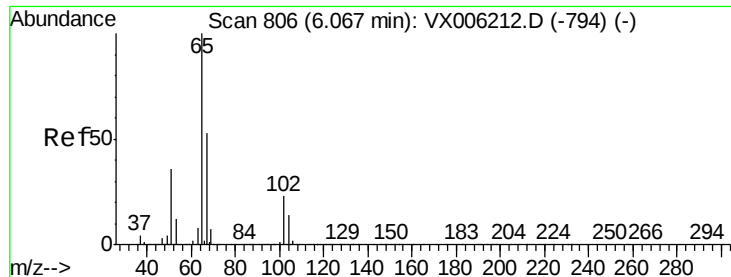
Tot Ion: 42 Resp: 790
Ion Ratio Lower Upper
42 100
72 56.1 37.8 56.8
71 107.8 35.2 52.8#



#31
Cyclohexane
Concen: 1.008 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006309.D
Acq: 06 Dec 2018 11:12

Tgt Ion: 56 Resp: 11174
Ion Ratio Lower Upper
56 100
69 180.3 24.5 36.7#
84 155.0 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 47.455 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006309.D

Acq: 06 Dec 2018 11:12

Instrument :

MSVOA_X

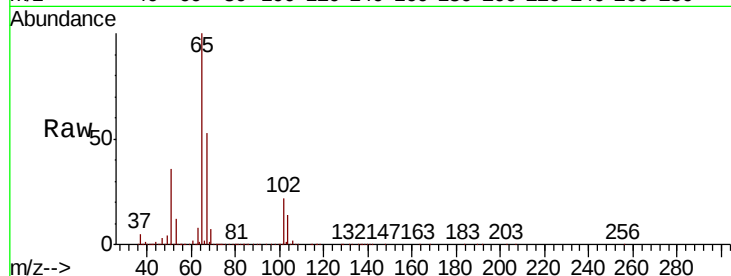
ClientSampleId :

Tot Ion: 65 Resp: 364144

Ion Ratio Lower Upper

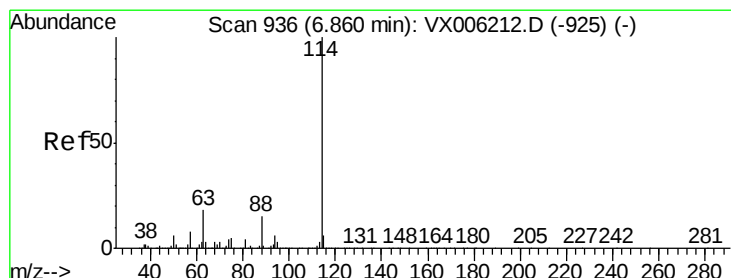
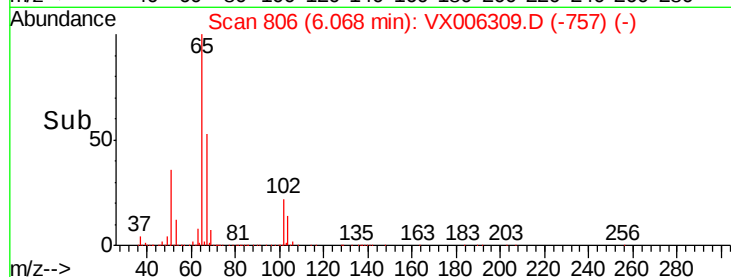
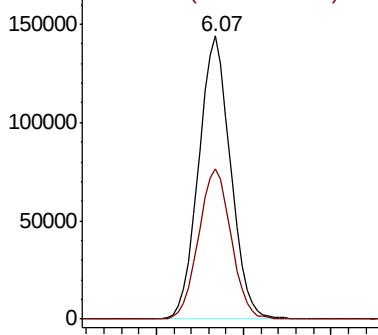
65 100

67 54.2 0.0 107.2



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006309.D

Acq: 06 Dec 2018 11:12

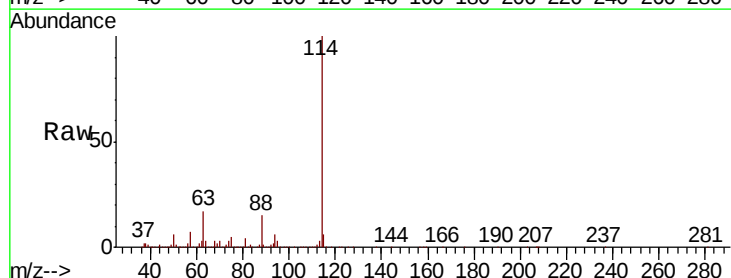
Tgt Ion: 114 Resp: 1124211

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

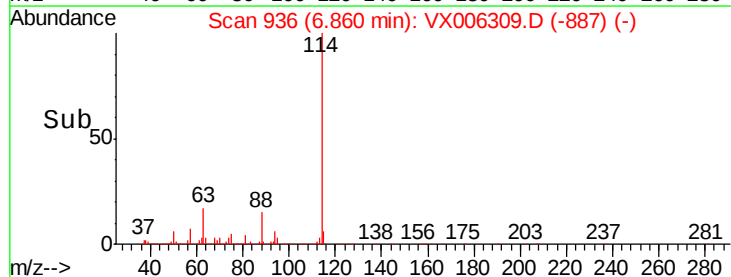
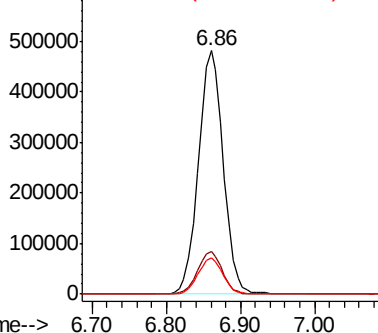
88 15.1 0.0 29.0

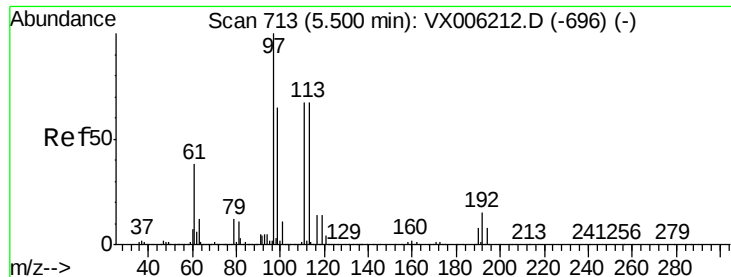


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.268 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006309.D

Acq: 06 Dec 2018 11:12

Instrument :
MSVOA_X
ClientSampleId :

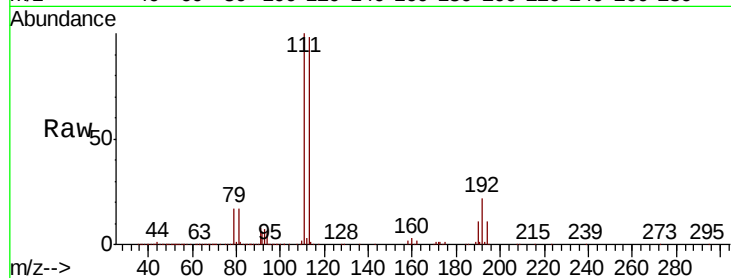
Tot Ion:113 Resp: 351334

Ion Ratio Lower Upper

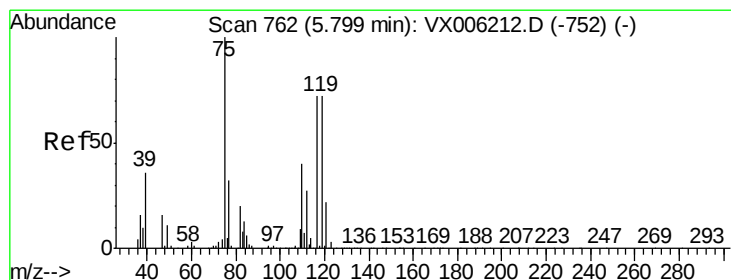
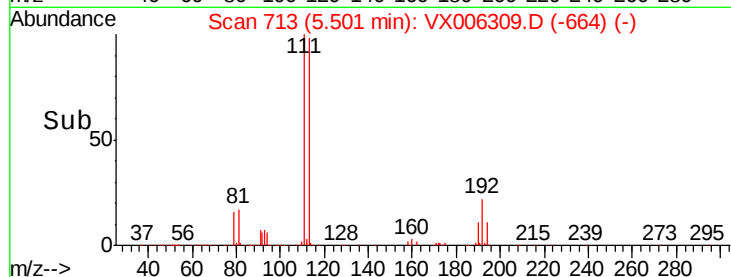
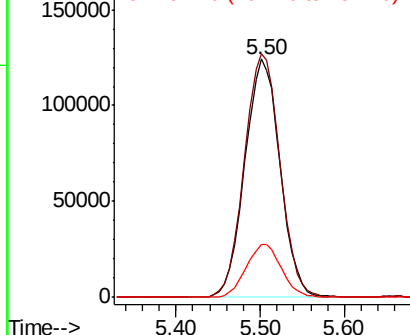
113 100

111 103.6 81.1 121.7

192 22.4 18.2 27.2



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: 5.027 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006309.D

Acq: 06 Dec 2018 11:12

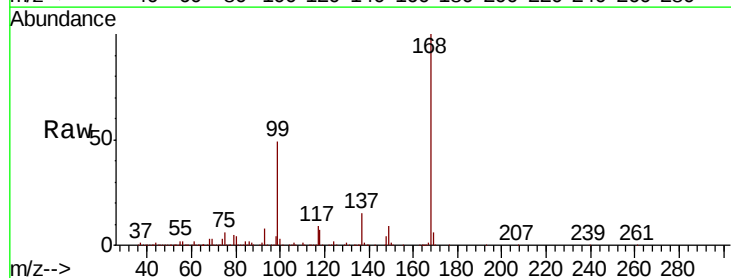
Tgt Ion: 75 Resp: 47589

Ion Ratio Lower Upper

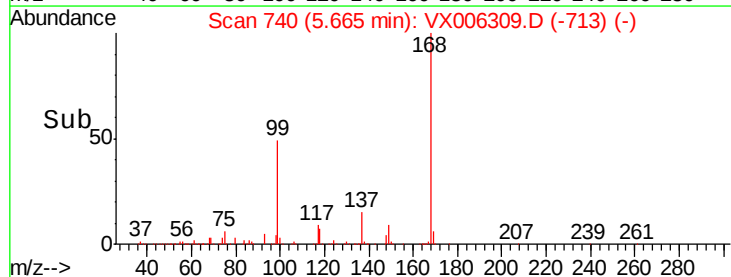
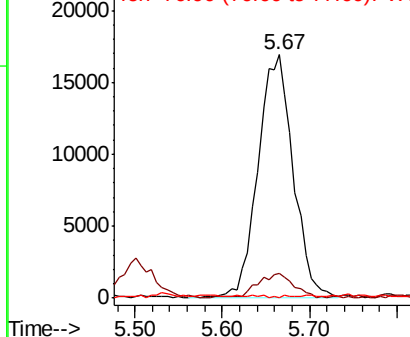
75 100

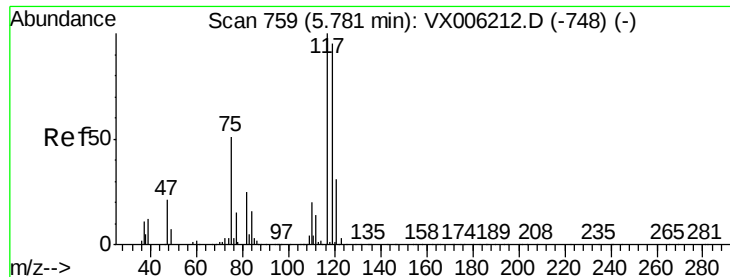
110 10.5 20.4 61.3#

77 0.2 24.9 37.3#



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: 6.062 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006309.D

Acq: 06 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampled :

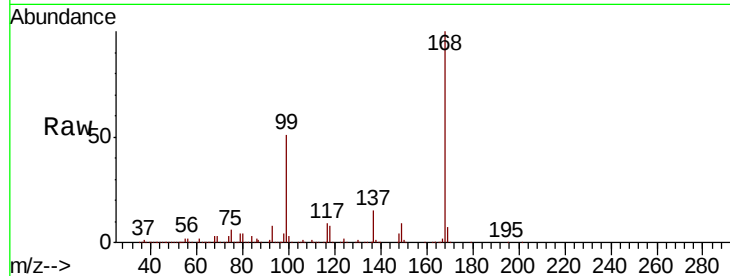
Tot Ion:117 Resp: 67518

Ion Ratio Lower Upper

117 100

119 3.3 75.8 113.8#

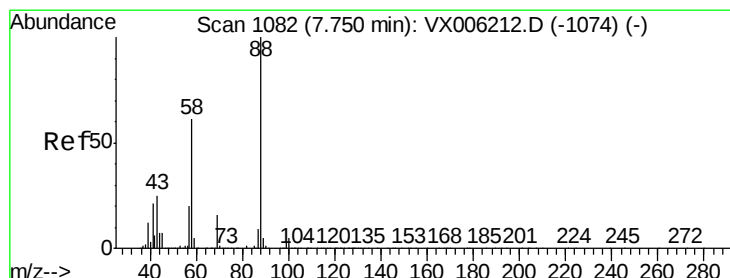
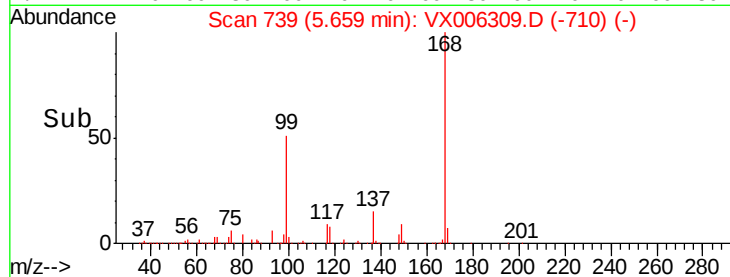
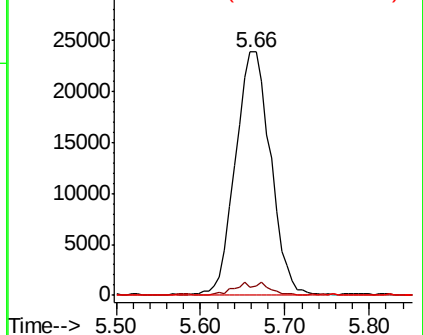
121 0.0 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 1.812 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006309.D

Acq: 06 Dec 2018 11:12

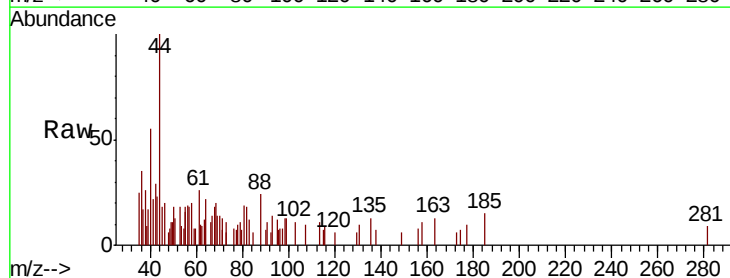
Tgt Ion: 88 Resp: 384

Ion Ratio Lower Upper

88 100

43 74.2 23.2 34.8#

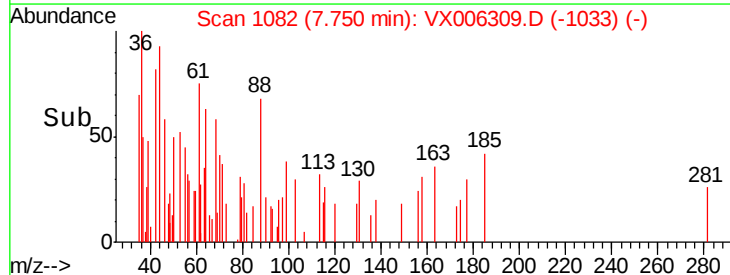
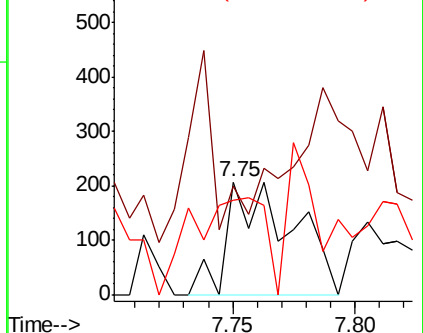
58 96.6 51.4 77.0#

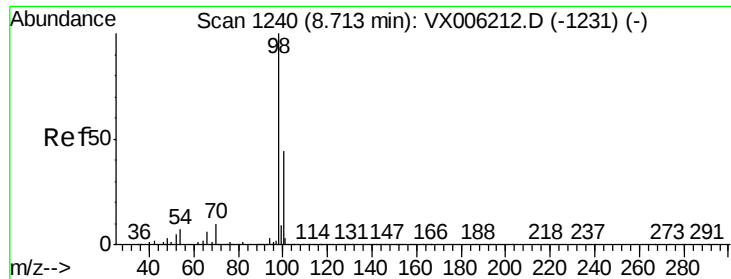


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

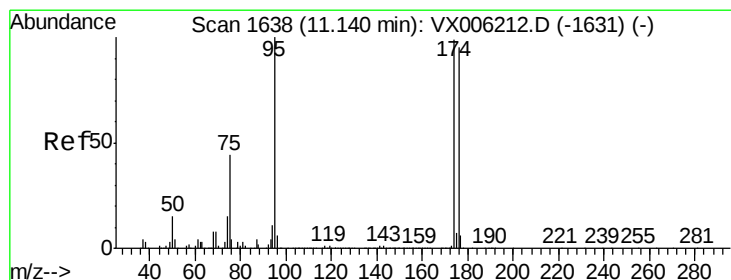
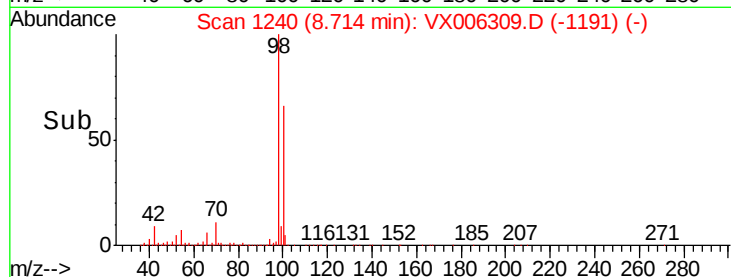
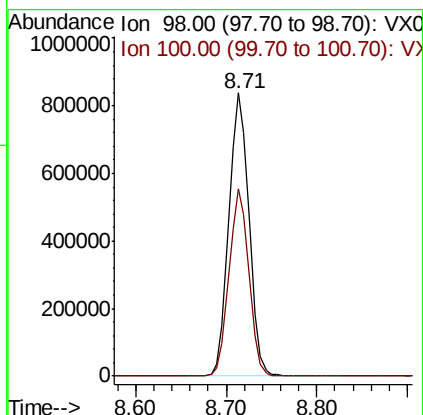
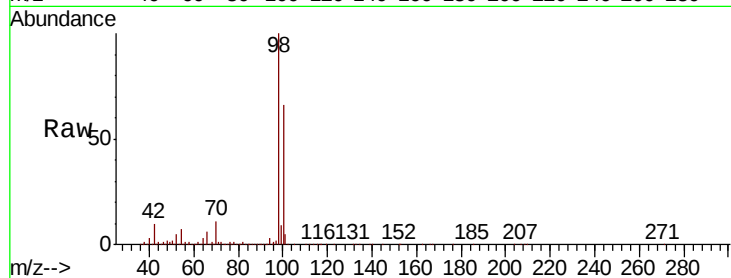




#50
Toluene-d8
Concen: 48.762 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006309.D
Acq: 06 Dec 2018 11:12

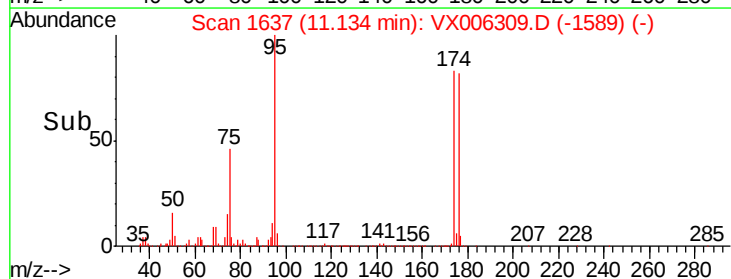
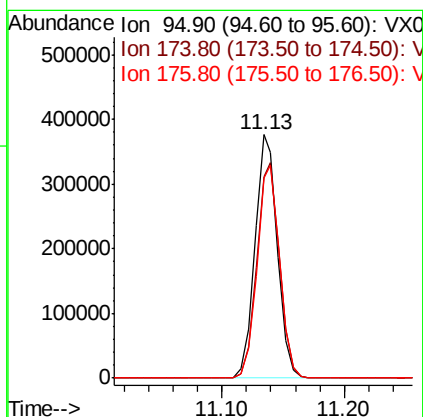
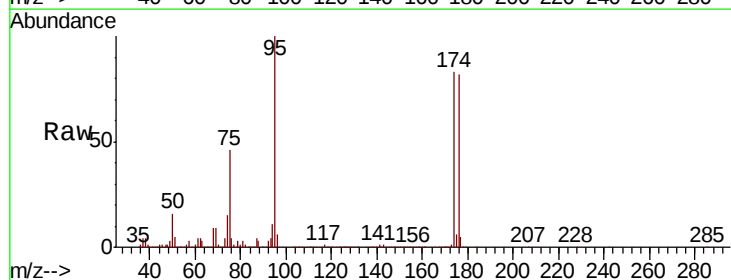
Instrument :
MSVOA_X
ClientSampleId :

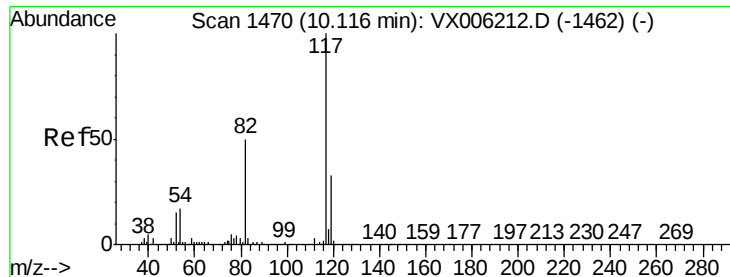
Tot Ion: 98 Resp: 1291018
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 48.321 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006309.D
Acq: 06 Dec 2018 11:12

Tgt Ion: 95 Resp: 482102
Ion Ratio Lower Upper
95 100
174 89.7 0.0 187.0
176 88.2 0.0 181.8

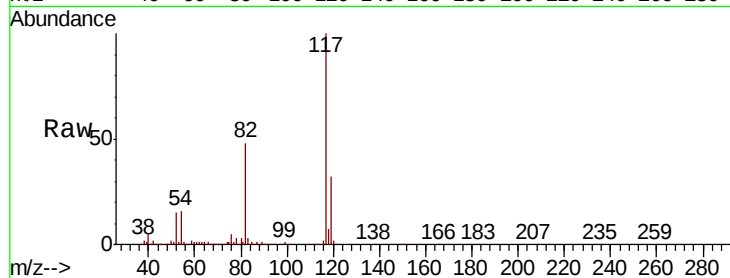




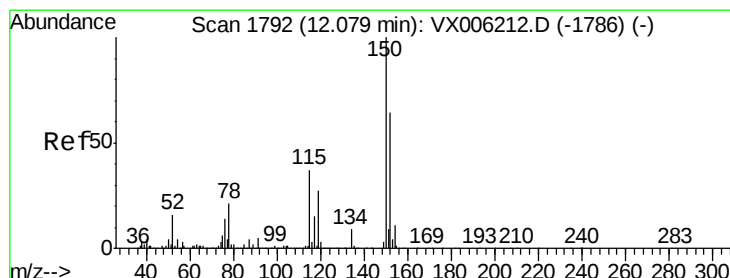
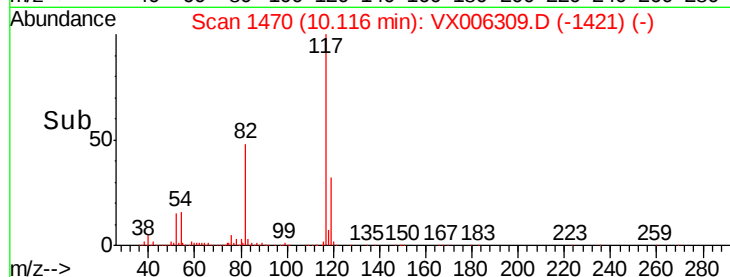
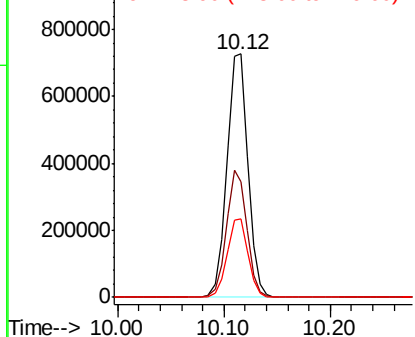
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006309.D
Acq: 06 Dec 2018 11:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 1007609
Ion Ratio Lower Upper
117 100
82 47.7 39.6 59.4
119 32.1 26.3 39.5

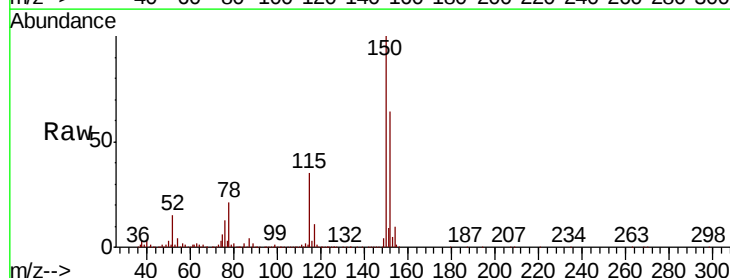


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

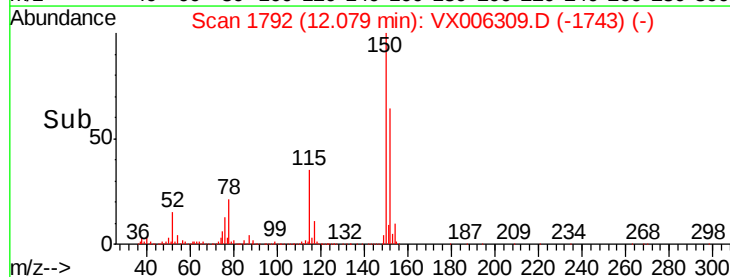
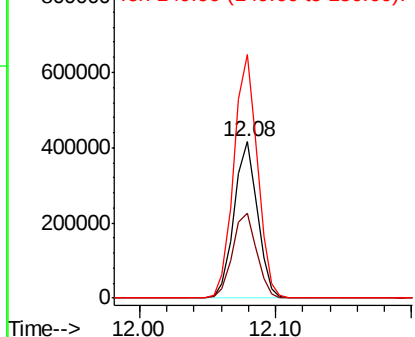


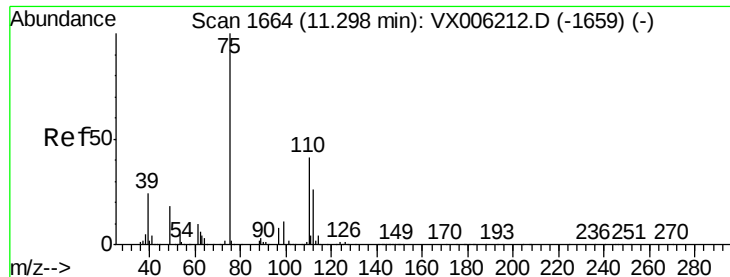
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006309.D
Acq: 06 Dec 2018 11:12

Tgt Ion:152 Resp: 497326
Ion Ratio Lower Upper
152 100
115 56.3 39.0 116.9
150 157.2 0.0 345.8



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: 22.932 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006309.D

Acq: 06 Dec 2018 11:12

Instrument :

MSVOA_X

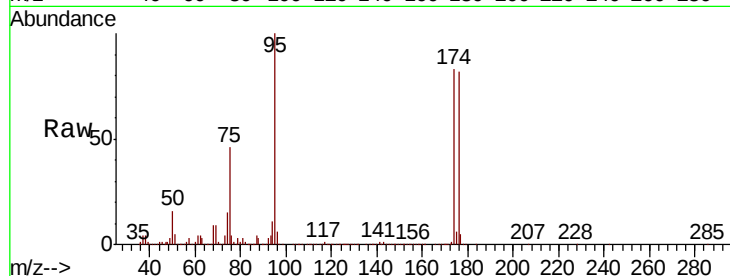
ClientSampleId :

Tot Ion: 75 Resp: 220133

Ion Ratio Lower Upper

75 100

77 1.3 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

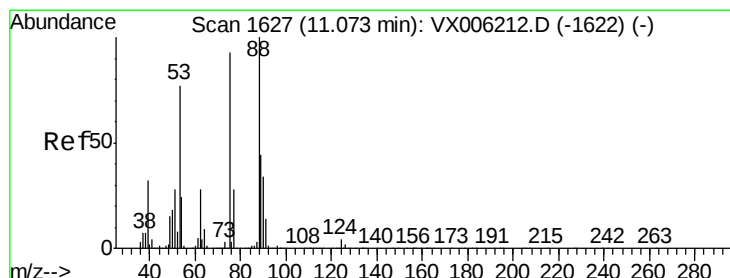
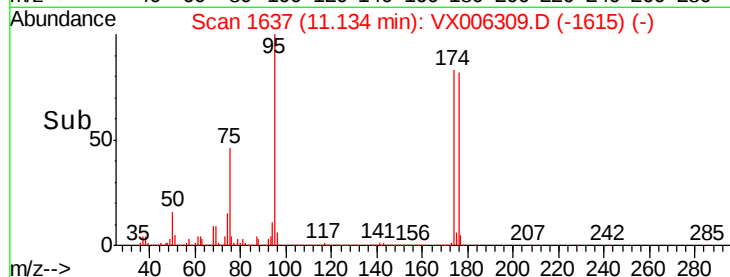
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 53.816 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006309.D

Acq: 06 Dec 2018 11:12

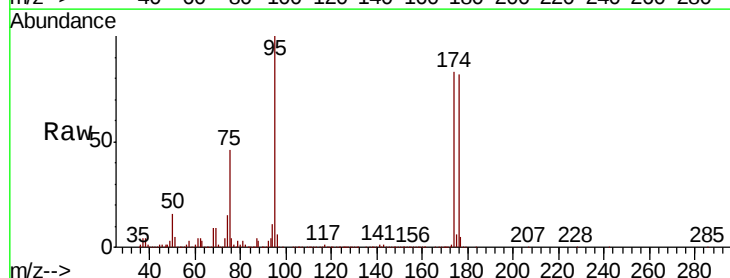
Tgt Ion: 75 Resp: 220133

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.4#



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

11.13

150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20

