

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006639.D
 Acq On : 19 Dec 2018 16:18
 Operator : JC/MD
 Sample : J6479-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 04:02:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	638027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1003833	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	912111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	429556	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	348346	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
35) Dibromofluoromethane	5.50	113	306054	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
50) Toluene-d8	8.71	98	1186621	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.13	95	425325	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	

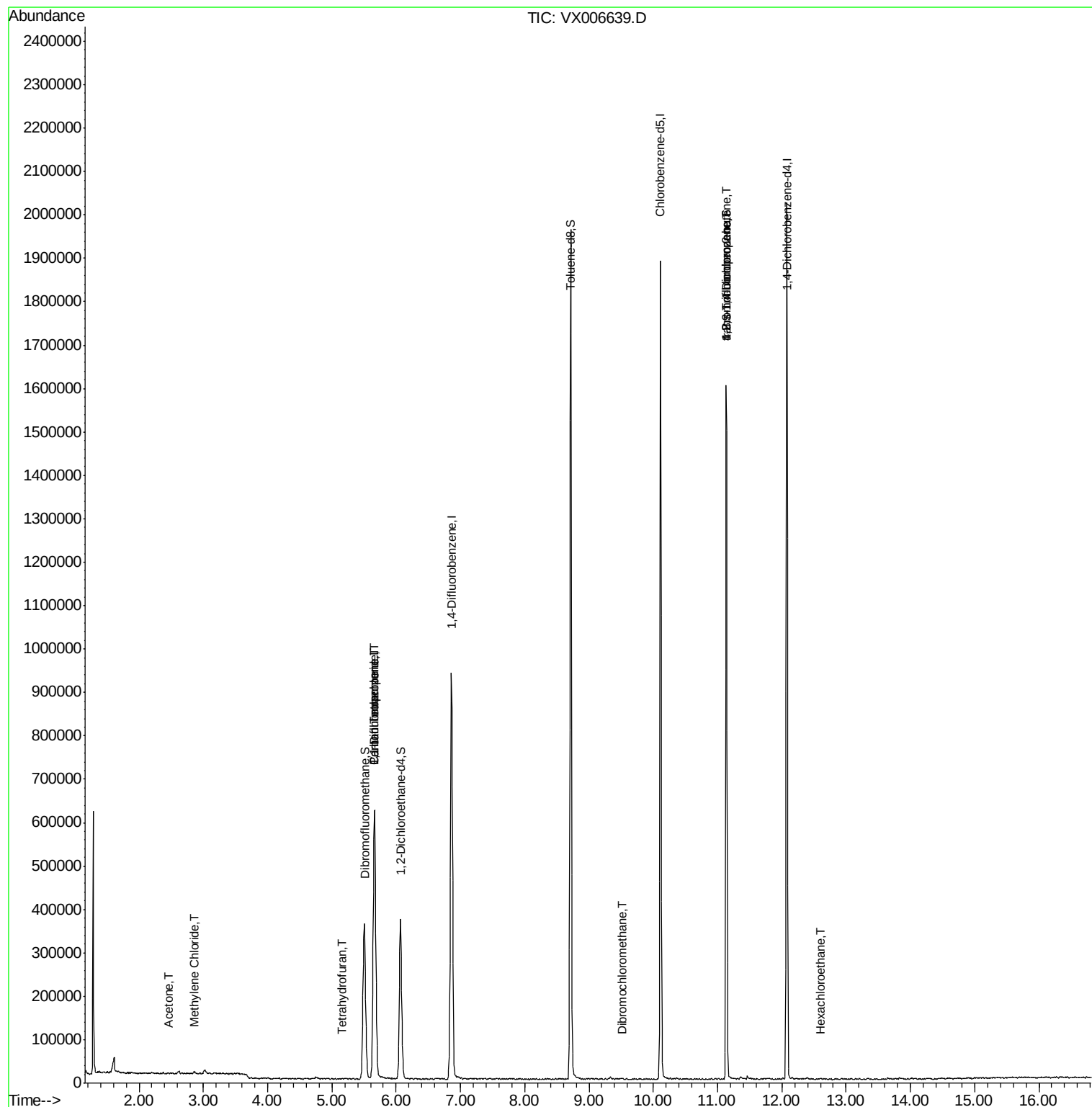
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	2484	Below Cal	#	69
16) Acetone	2.45	43	2411	0.763	ug/l #	65
20) Methylene Chloride	2.85	84	3520	0.539	ug/l #	91
28) Bromochloromethane	5.03	49	330	Below Cal	#	4
29) Tetrahydrofuran	5.16	42	694	0.237	ug/l #	40
36) 1,1-Dichloropropene	5.66	75	41969	5.048	ug/l #	49
38) Carbon Tetrachloride	5.67	117	60733	7.517	ug/l #	14
49) 1,4-Dioxane	7.74	88	185	Below Cal	#	35
60) Dibromochloromethane	9.52	129	55	2.332	ug/l	66
76) 1,2,3-Trichloropropane	11.13	75	197719	24.768	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	197719	73.227	ug/l #	10
90) Hexachloroethane	12.61	117	235	3.347	ug/l #	35

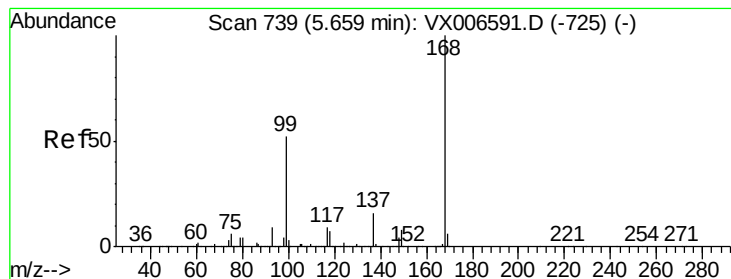
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Dec 20 04:02:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006639.D

Acq: 19 Dec 2018 16:18

Instrument :

MSVOA_X

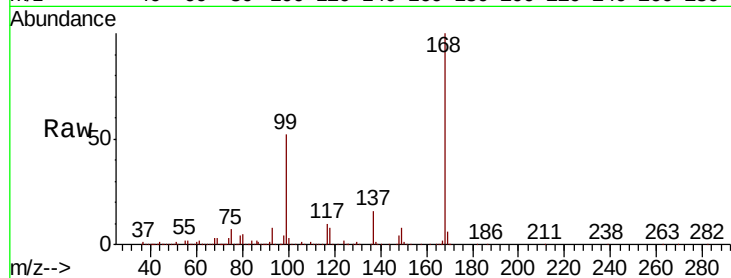
ClientSampleId :

Tot Ion:168 Resp: 638027

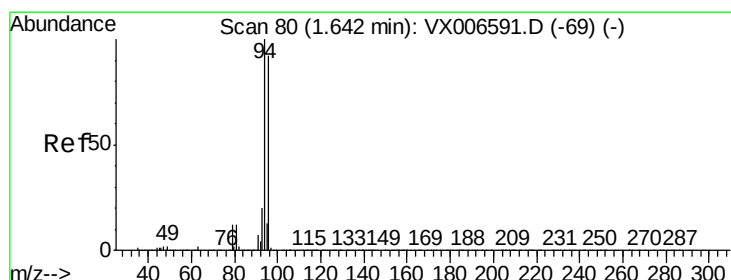
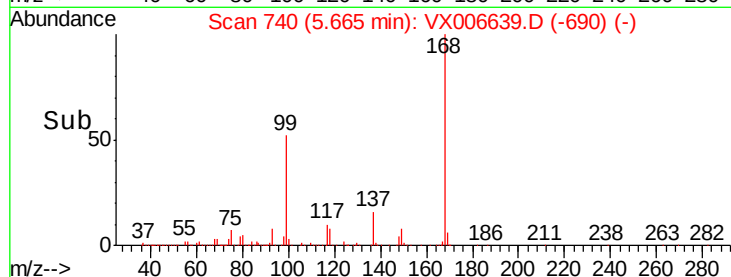
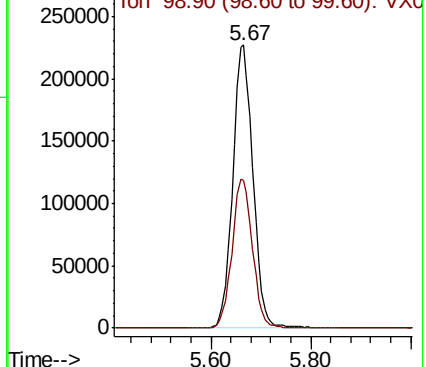
Ion Ratio Lower Upper

168 100

99 52.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006639.D (-690) (-)



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006639.D

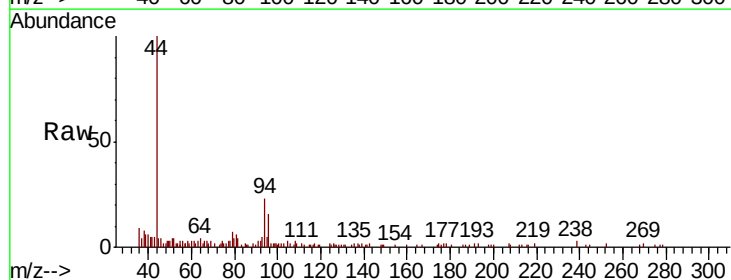
Acq: 19 Dec 2018 16:18

Tgt Ion: 94 Resp: 2484

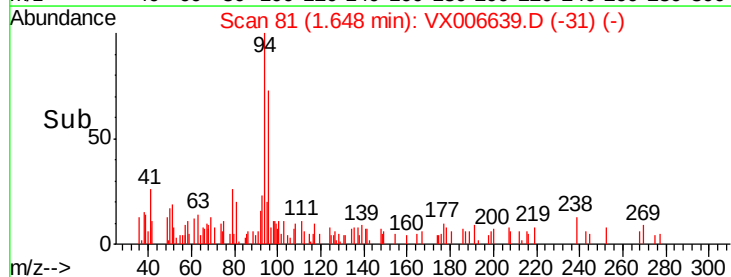
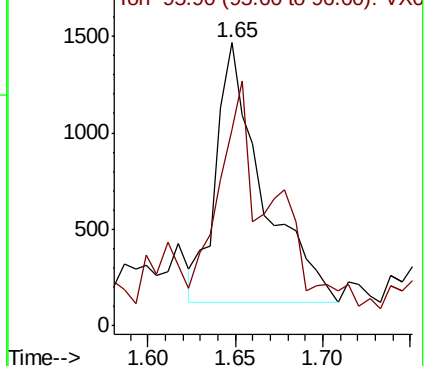
Ion Ratio Lower Upper

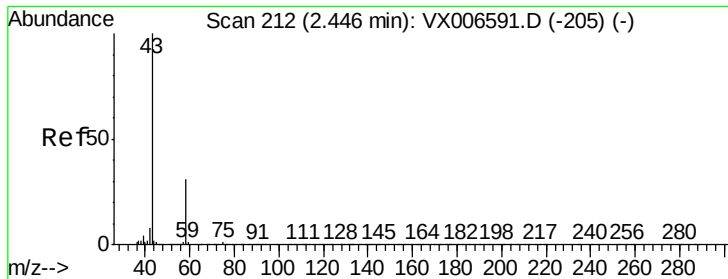
94 100

96 62.2 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX006639.D (-31) (-)





#16

Acetone

Concen: 0.763 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006639.D

Acq: 19 Dec 2018 16:18

Instrument :

MSVOA_X

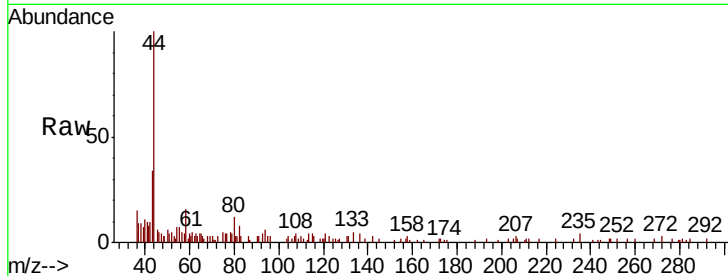
ClientSampled :

Tot Ion: 43 Resp: 2411

Ion Ratio Lower Upper

43 100

58 50.5 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

1500

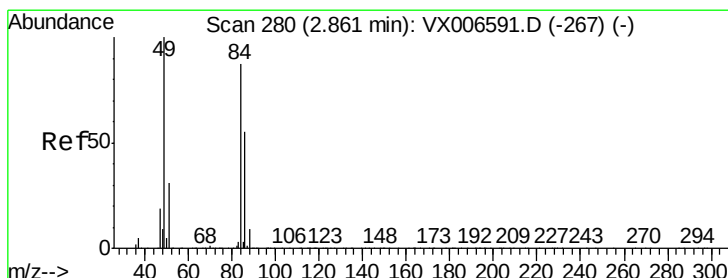
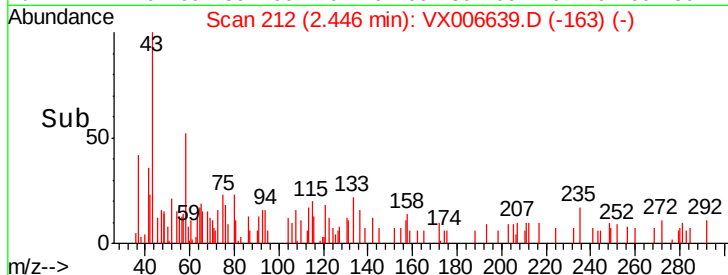
1000

500

0

Time-->

2.40 2.45 2.50



#20

Methylene Chloride

Concen: 0.539 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006639.D

Acq: 19 Dec 2018 16:18

Tgt Ion: 84 Resp: 3520

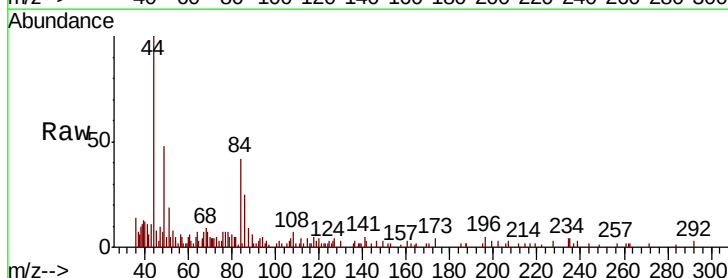
Ion Ratio Lower Upper

84 100

49 109.4 91.8 137.6

51 27.9 28.5 42.7#

86 52.8 50.2 75.2



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

2500

2000

1500

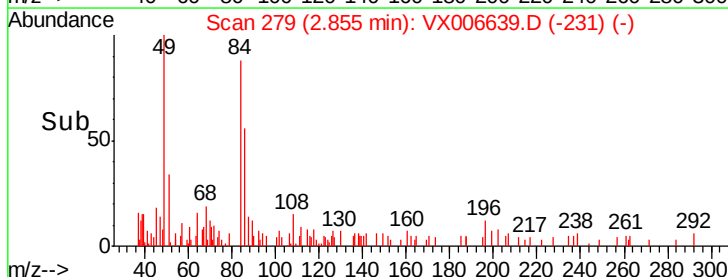
1000

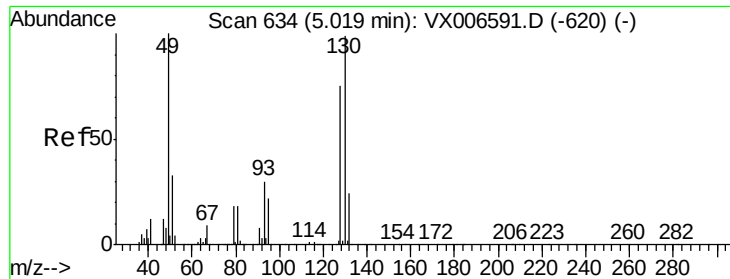
500

0

Time-->

2.80 2.85 2.90 2.95





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

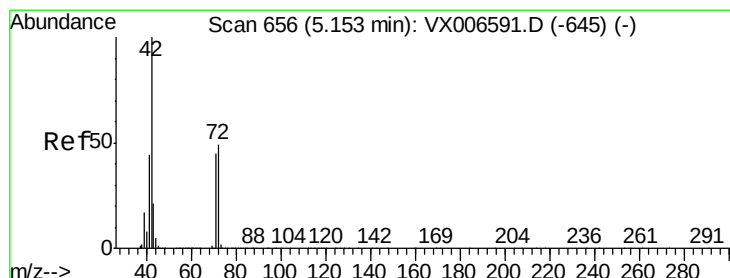
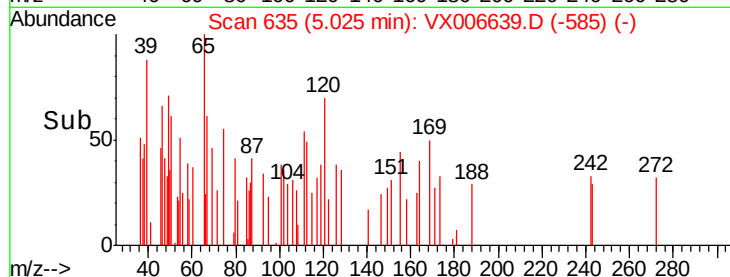
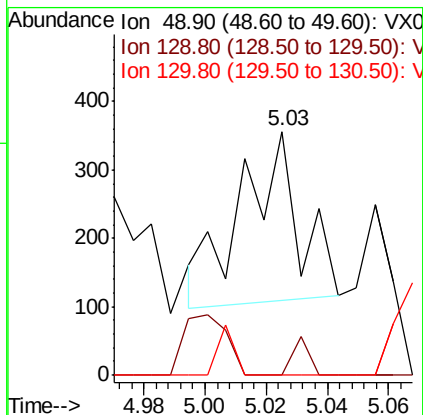
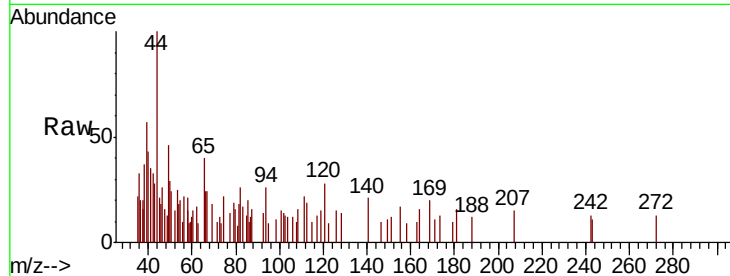
Delta R.T. 0.01 min

Lab File: VX006639.D

Acq: 19 Dec 2018 16:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 330
Ion Ratio Lower Upper
49 100
129 6.4 0.0 5.4#
130 0.0 77.7 116.5#



#29

Tetrahydrofuran

Concen: 0.237 ug/l

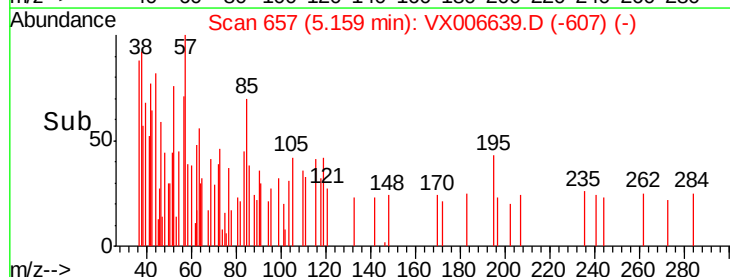
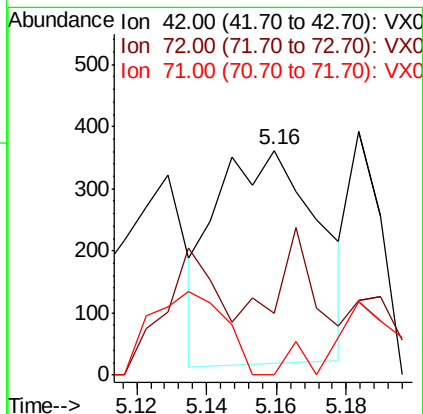
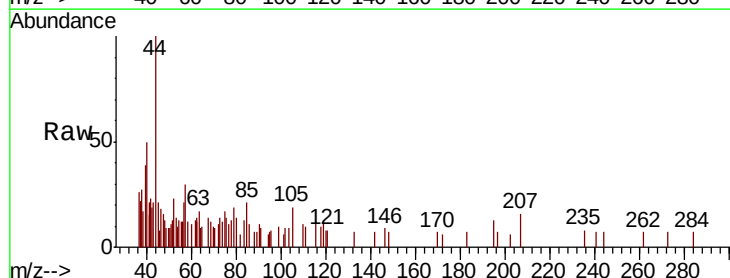
RT: 5.16 min Scan# 657

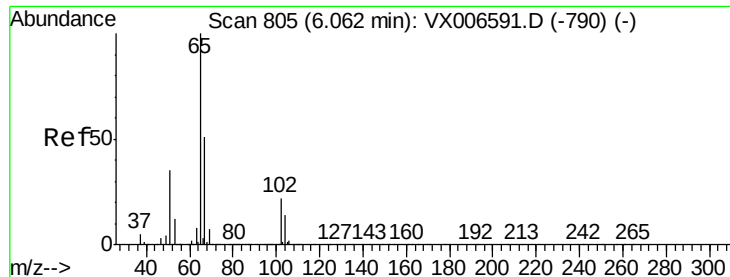
Delta R.T. 0.01 min

Lab File: VX006639.D

Acq: 19 Dec 2018 16:18

Tgt Ion: 42 Resp: 694
Ion Ratio Lower Upper
42 100
72 13.4 38.9 58.3#
71 0.0 36.2 54.4#





#33

1,2-Dichloroethane-d4

Concen: 50.658 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006639.D

Acq: 19 Dec 2018 16:18

Instrument :

MSVOA_X

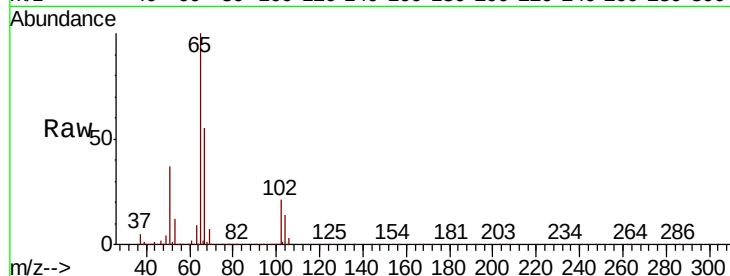
ClientSampleId :

Tot Ion: 65 Resp: 348346

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

150000

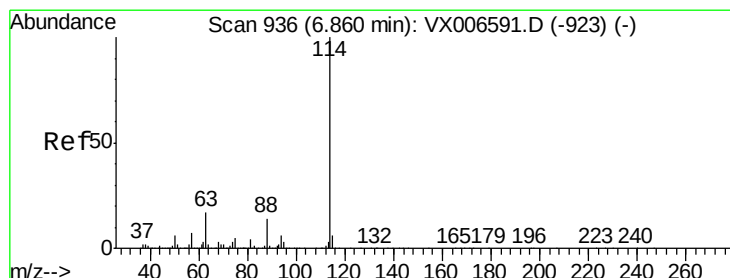
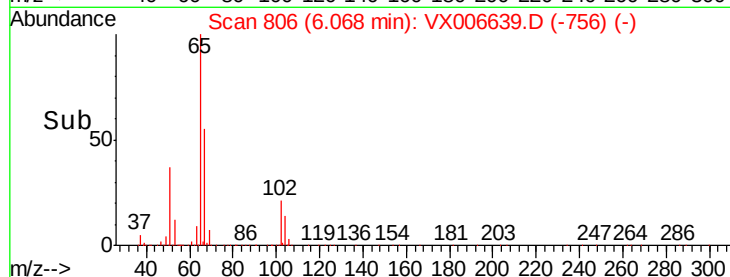
100000

50000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006639.D

Acq: 19 Dec 2018 16:18

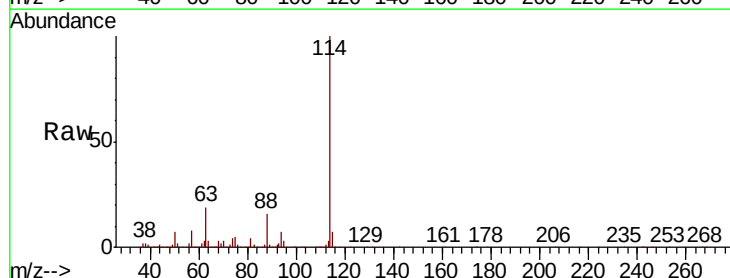
Tgt Ion: 114 Resp: 1003833

Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.8

88 15.9 0.0 28.8



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

6.86

500000

400000

300000

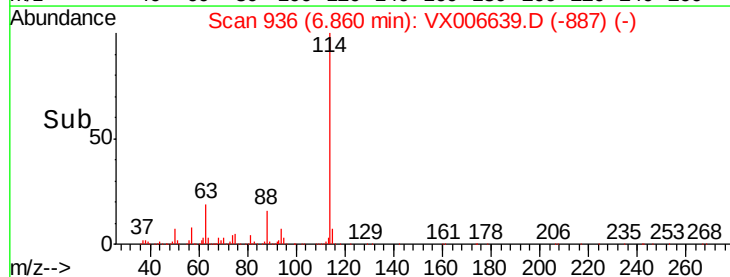
200000

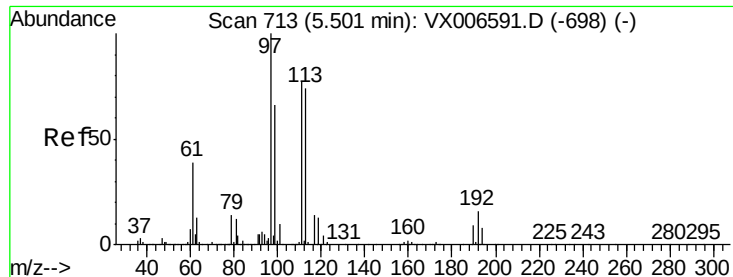
100000

0

Time-->

6.70 6.80 6.90 7.00

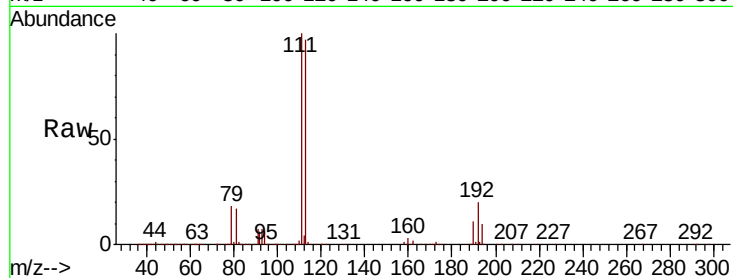




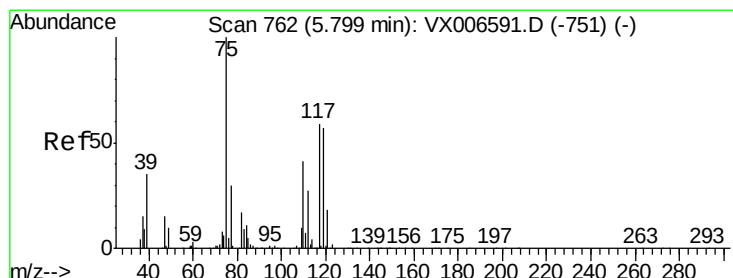
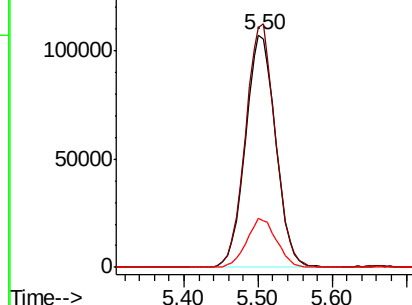
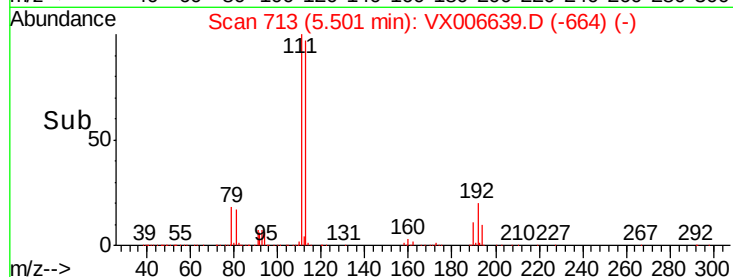
#35
 Dibromofluoromethane
 Concen: 48.212 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006639.D
 Acq: 19 Dec 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.6	122.4
192	20.7	16.7	25.1

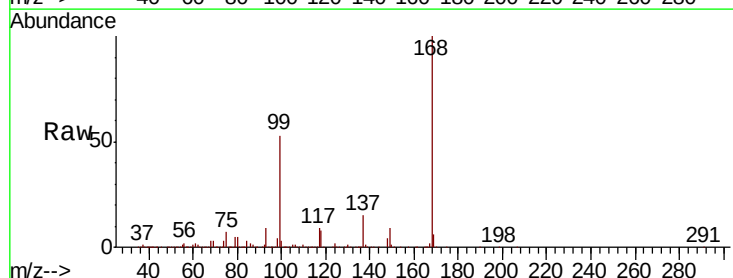


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

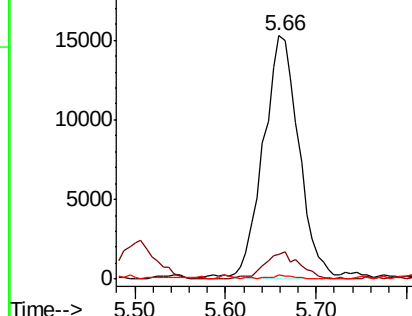
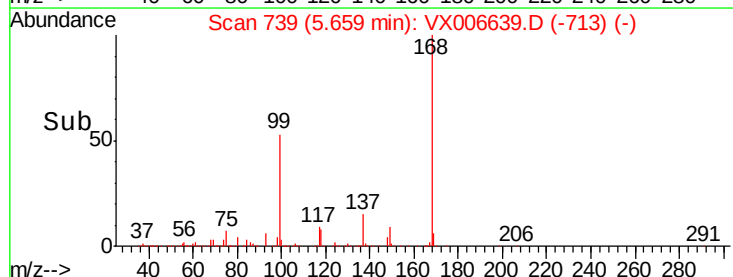


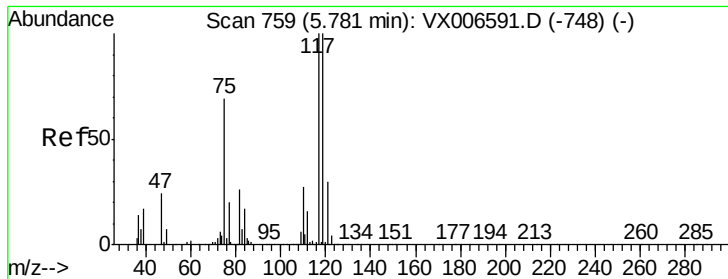
#36
 1,1-Dichloropropene
 Concen: 5.048 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006639.D
 Acq: 19 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	20.2	60.5#
77	0.9	24.8	37.2#



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: 7.517 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006639.D

Acq: 19 Dec 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

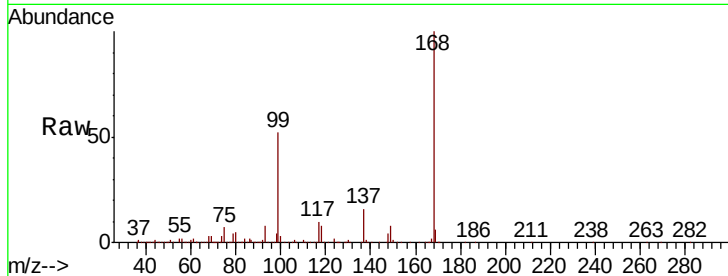
Tot Ion:117 Resp: 60733

Ion Ratio Lower Upper

117 100

119 4.4 79.4 119.2#

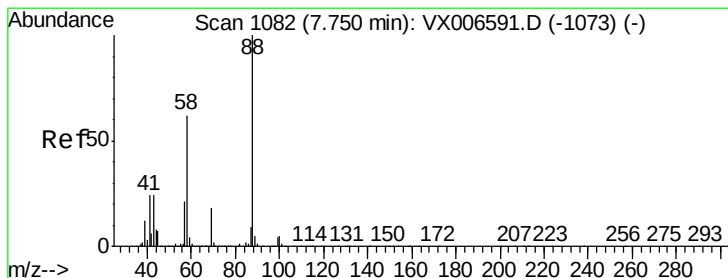
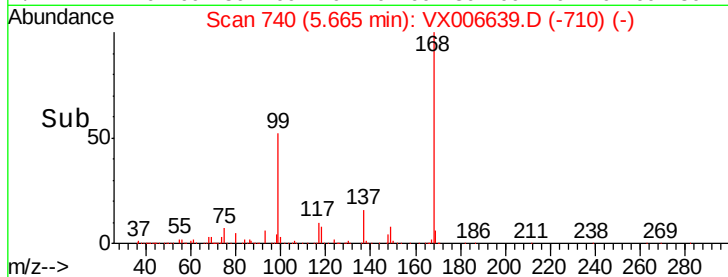
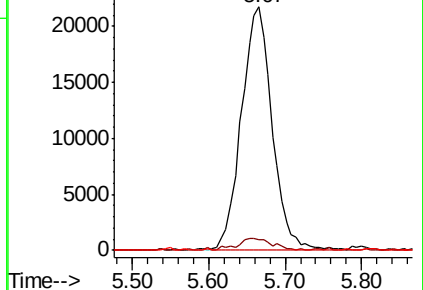
121 0.3 24.0 36.0#



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: Below Cal

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX006639.D

Acq: 19 Dec 2018 16:18

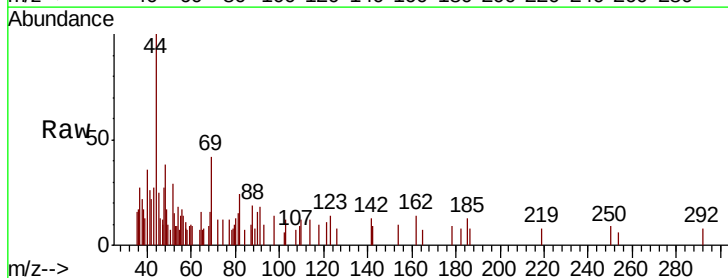
Tgt Ion: 88 Resp: 185

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

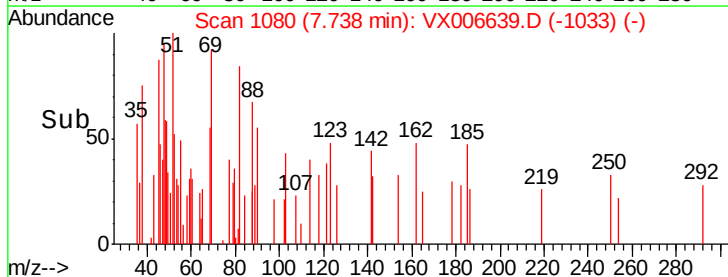
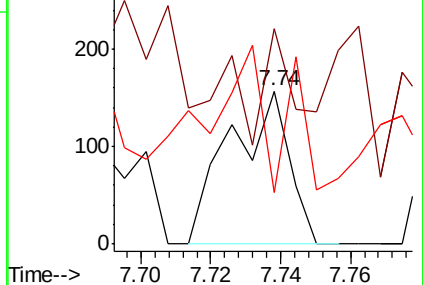
58 118.9 51.0 76.4#

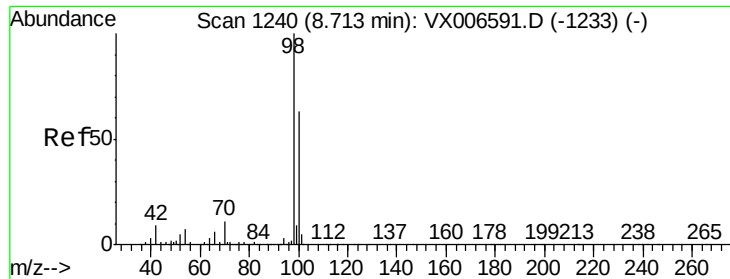


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.582 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006639.D

Acq: 19 Dec 2018 16:18

Instrument :

MSVOA_X

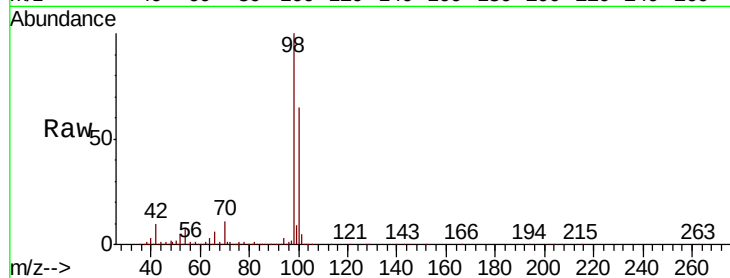
ClientSampleId :

Tot Ion: 98 Resp: 1186621

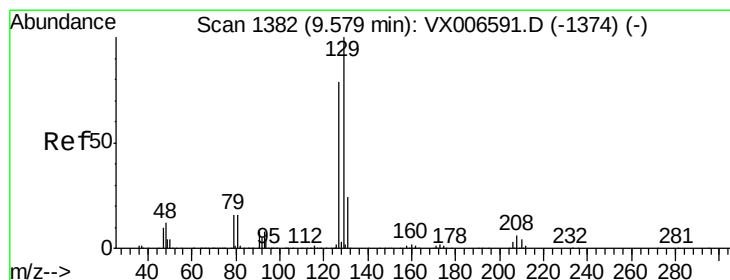
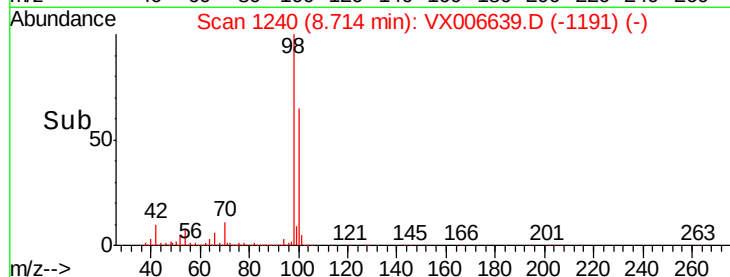
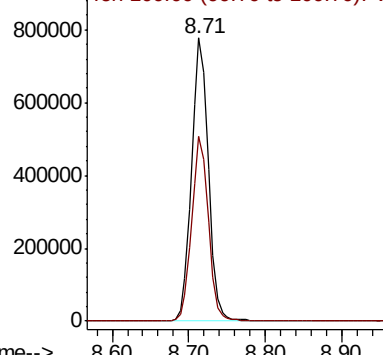
Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX006639.D (-1191) (-)



#60

Dibromochloromethane

Concen: 2.332 ug/l

RT: 9.52 min Scan# 1372

Delta R.T. -0.06 min

Lab File: VX006639.D

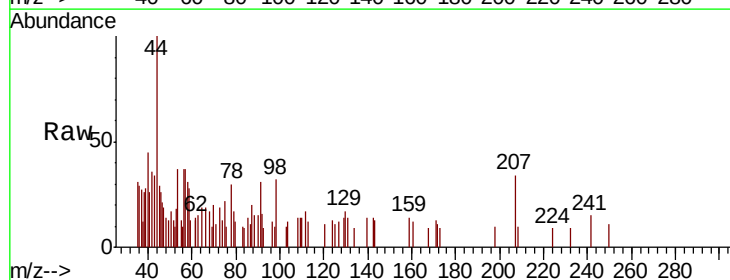
Acq: 19 Dec 2018 16:18

Tgt Ion: 129 Resp: 55

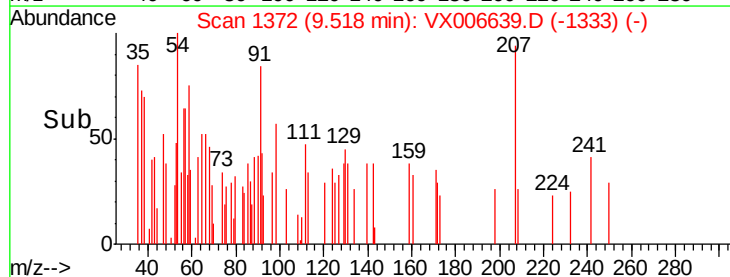
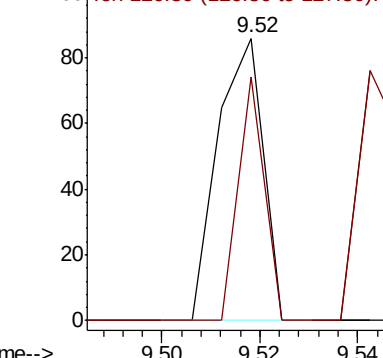
Ion Ratio Lower Upper

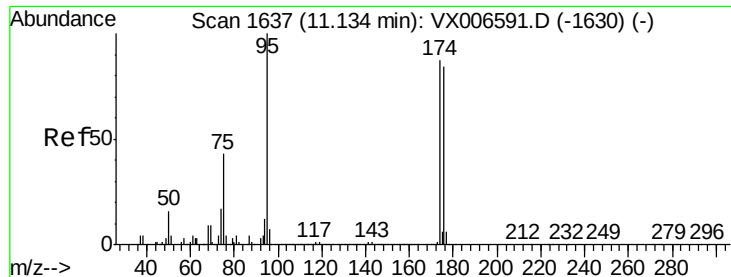
129 100

127 49.1 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): VX006639.D (-1333) (-)

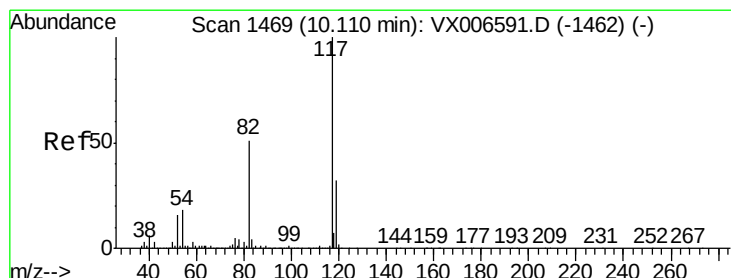
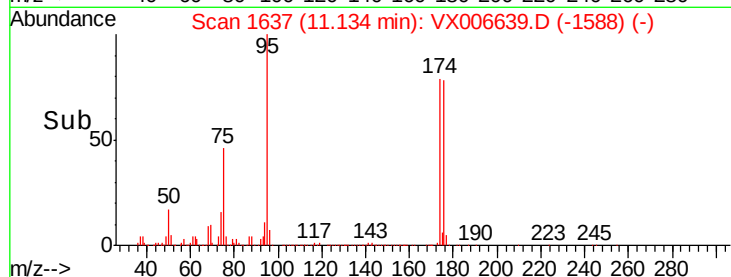
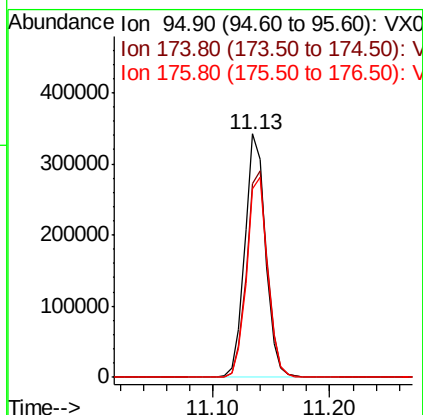
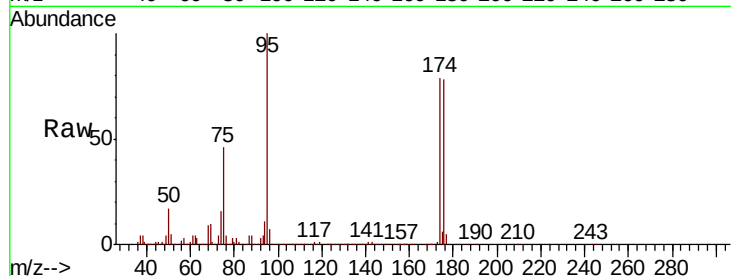




#62
4-Bromofluorobenzene
Concen: 48.525 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006639.D
Acq: 19 Dec 2018 16:18

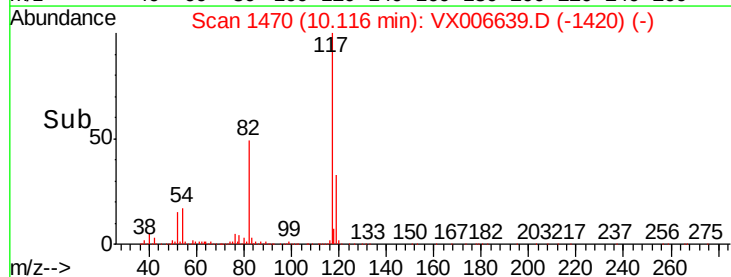
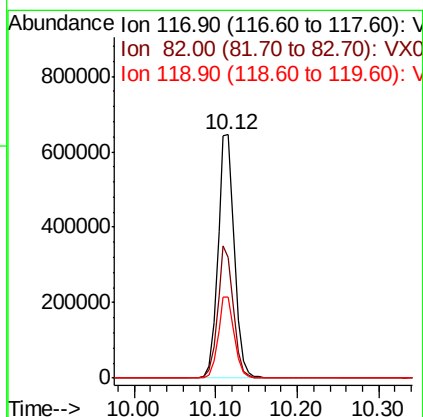
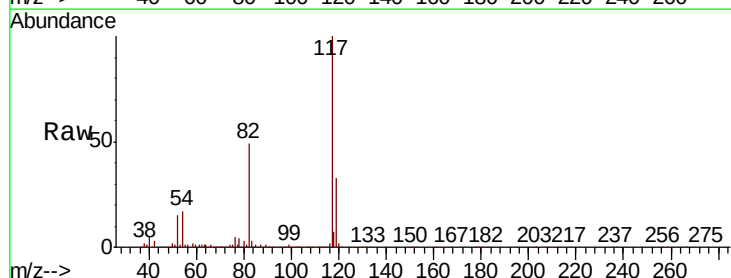
Instrument :
MSVOA_X
ClientSampleId :

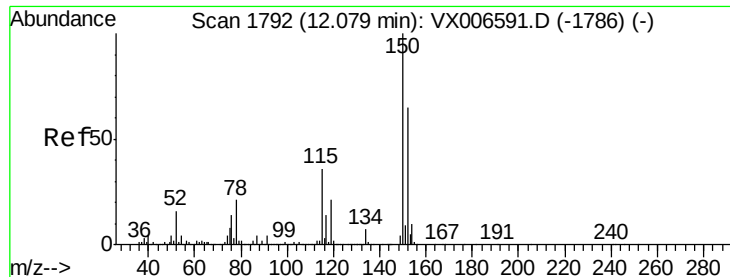
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	182.2
176	83.9	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006639.D
Acq: 19 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.4	41.0	61.6
119	33.0	25.4	38.0

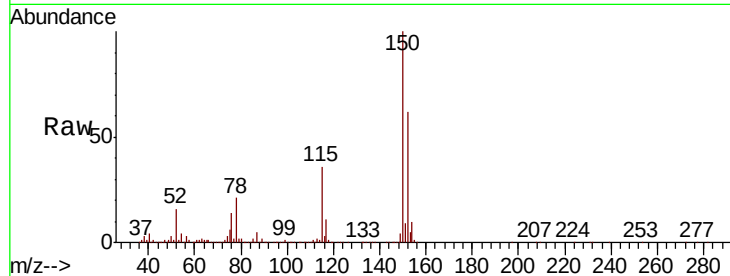




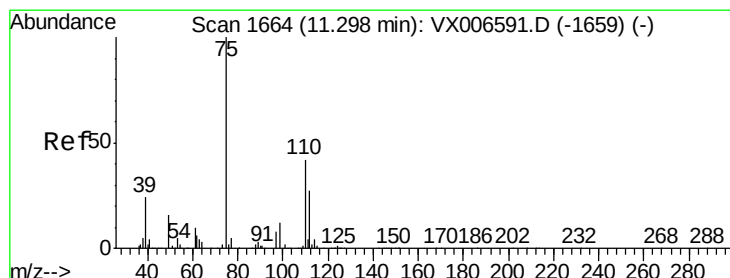
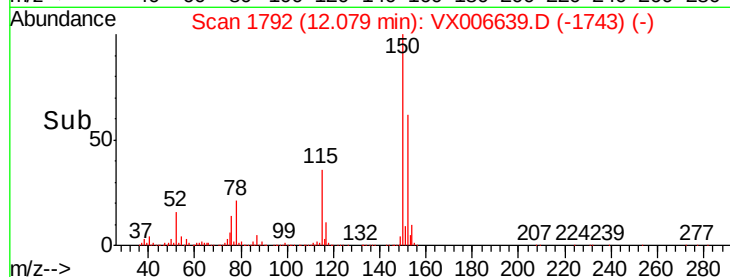
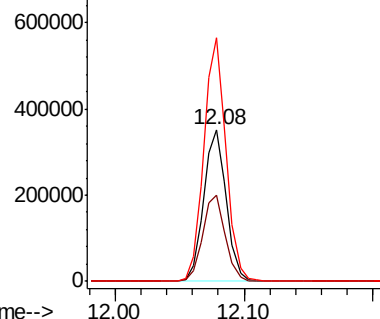
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX006639.D
 Acq: 19 Dec 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.6	39.1	117.2
150	158.4	0.0	344.8

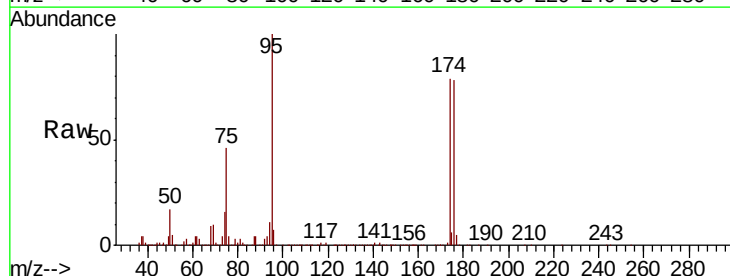


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

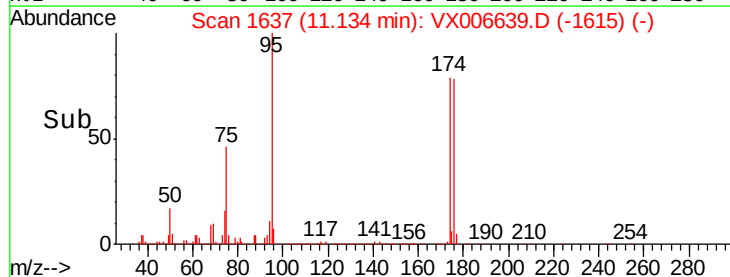
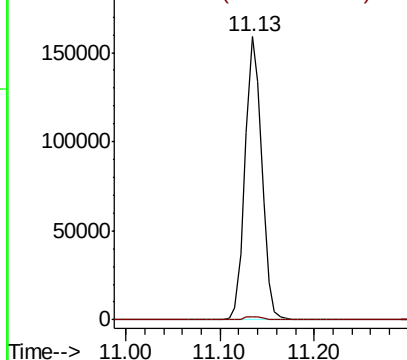


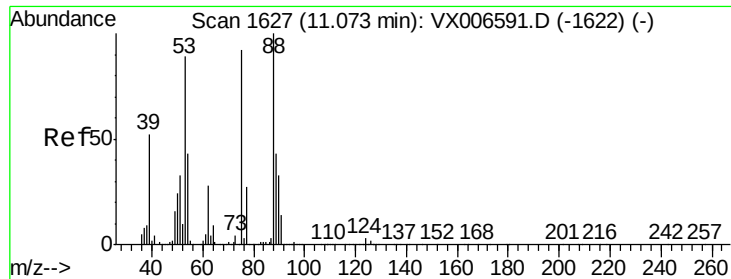
#76
 1,2,3-Trichloropropane
 Concen: 24.768 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006639.D
 Acq: 19 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	18.5	55.5#



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: 73.227 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006639.D

Acq: 19 Dec 2018 16:18

Instrument :

MSVOA_X

ClientSampleId :

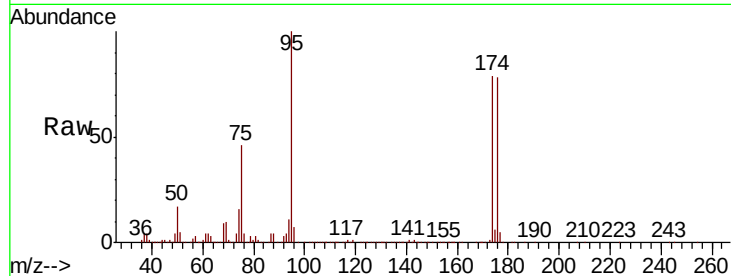
Tot Ion: 75 Resp: 197719

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

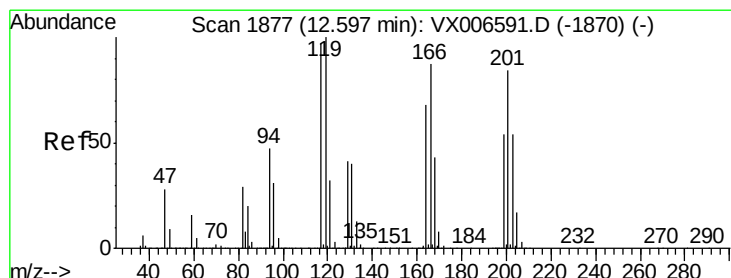
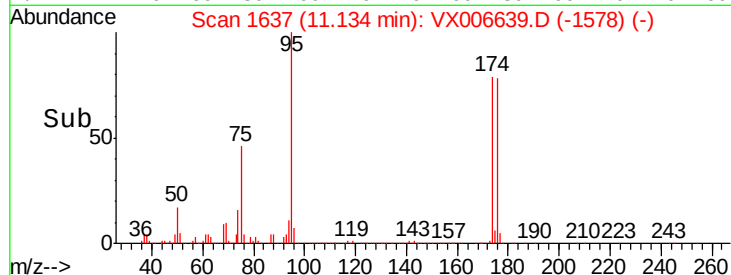
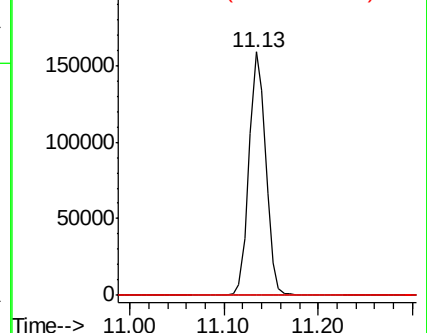
89 0.0 38.0 57.0#



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



#90

Hexachloroethane

Concen: 3.347 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX006639.D

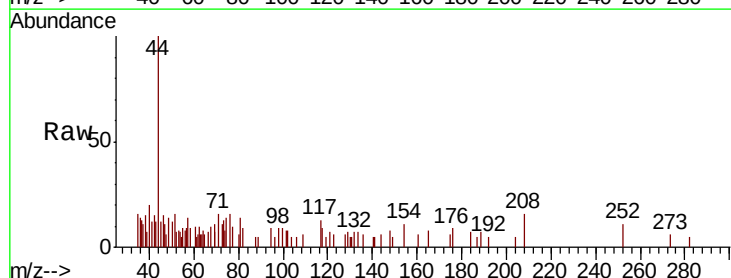
Acq: 19 Dec 2018 16:18

Tgt Ion: 117 Resp: 235

Ion Ratio Lower Upper

117 100

201 26.4 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

