

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012619\
 Data File : VX007231.D
 Acq On : 25 Jan 2019 16:15
 Operator : JC/SP
 Sample : VX0126WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 00:13:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	551207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	845762	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	780587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	378735	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	295150	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
35) Dibromofluoromethane	5.50	113	264422	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	8.71	98	995776	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.13	95	351390	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	

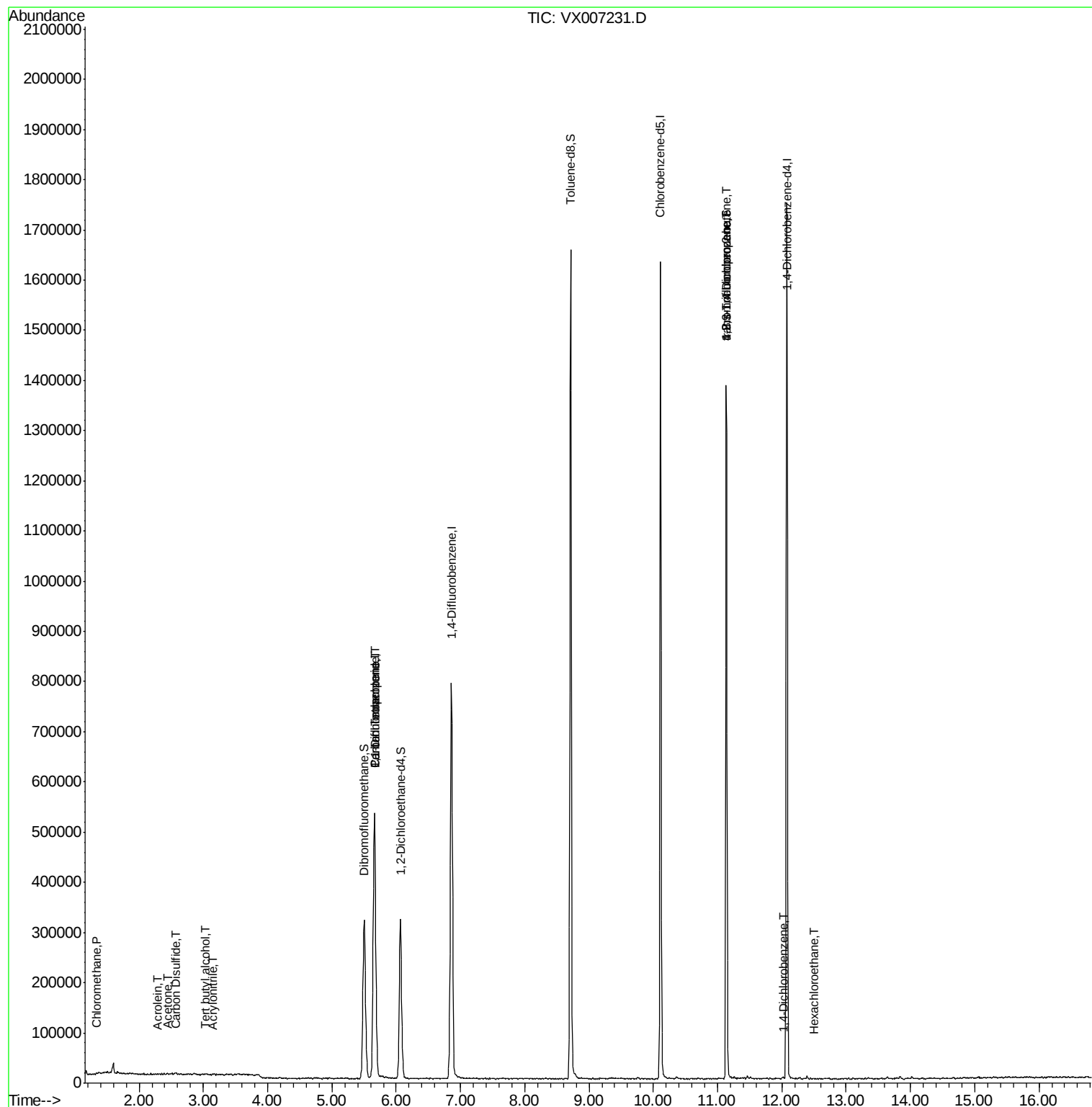
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1352	0.257	ug/l #	83
11) Tert butyl alcohol	3.03	59	588	0.433	ug/l #	1
13) Acrolein	2.29	56	561	4.030	ug/l #	45
15) Acrylonitrile	3.14	53	1271	0.407	ug/l #	86
16) Acetone	2.43	43	1333	0.468	ug/l #	70
17) Carbon Disulfide	2.57	76	2813	0.216	ug/l #	76
20) Methylene Chloride	2.86	84	1189	Below Cal	#	83
36) 1,1-Dichloropropene	5.67	75	35660	4.850	ug/l #	49
38) Carbon Tetrachloride	5.66	117	50669	6.849	ug/l #	15
49) 1,4-Dioxane	7.74	88	331	Below Cal	#	45
76) 1,2,3-Trichloropropane	11.13	75	164395	21.420	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	164395	63.534	ug/l #	10
88) 1,4-Dichlorobenzene	12.03	146	1073	0.230	ug/l	98
90) Hexachloroethane	12.51	117	29	2.915	ug/l	78

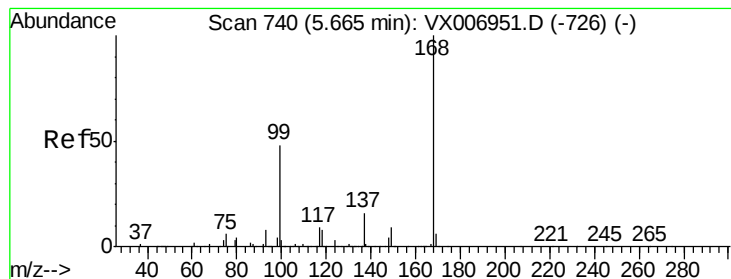
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007231.D

Acq: 25 Jan 2019 16:15

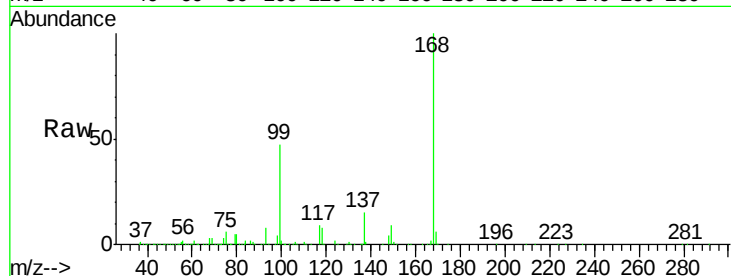
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 551207

Ion Ratio Lower Upper

168 100

99 47.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

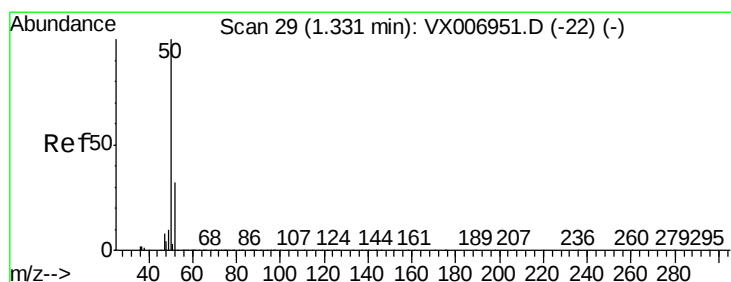
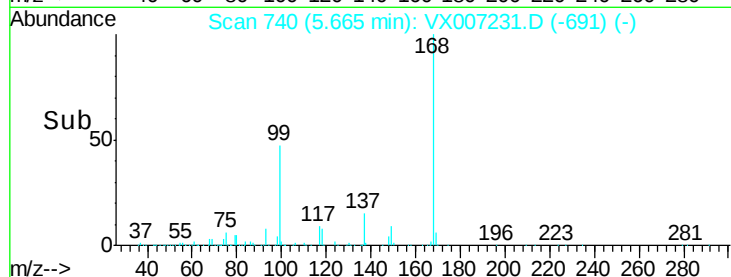
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.257 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007231.D

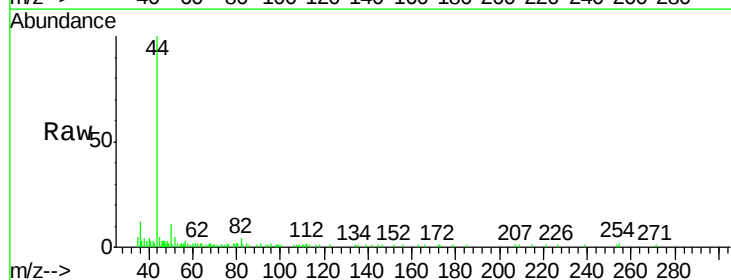
Acq: 25 Jan 2019 16:15

Tgt Ion: 50 Resp: 1352

Ion Ratio Lower Upper

50 100

52 22.6 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

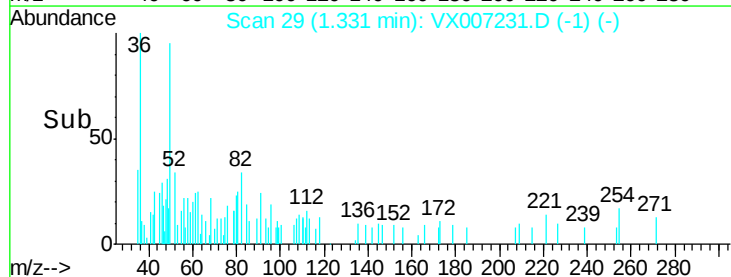
600

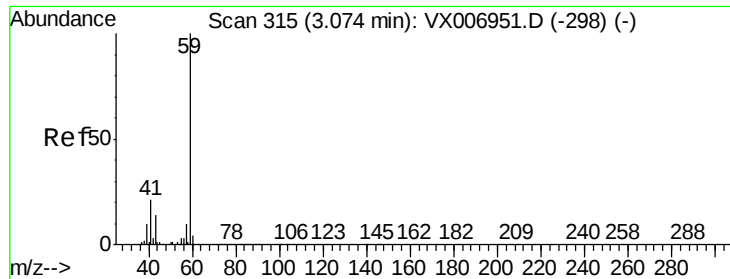
400

200

0

Time-->



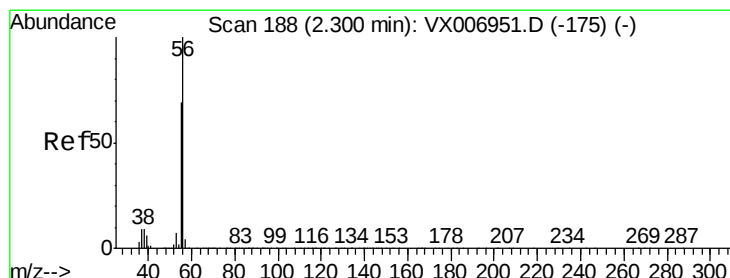
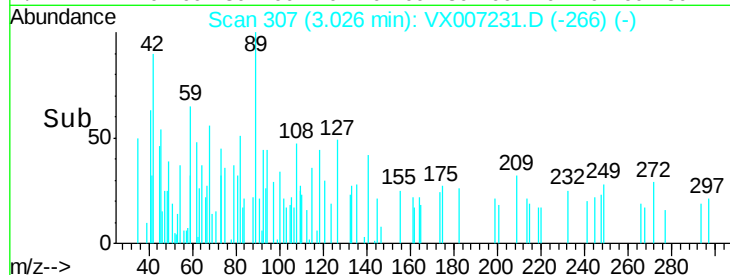
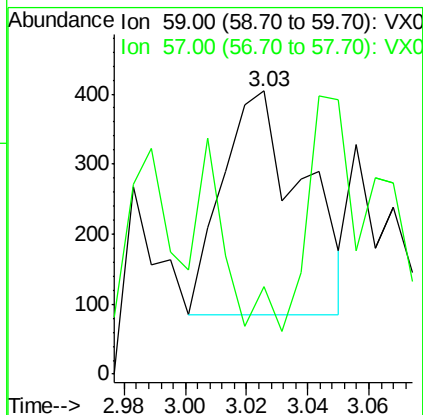
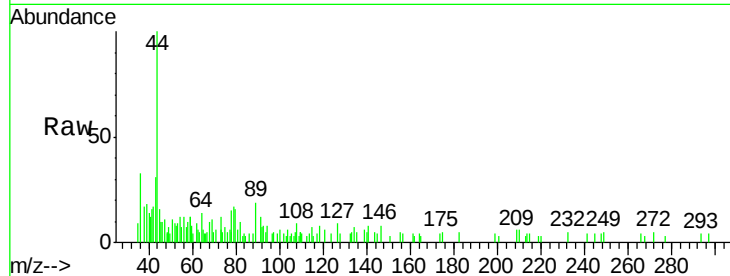


#11

Tert butyl alcohol
Concen: 0.433 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX007231.D
Acq: 25 Jan 2019 16:15

Instrument :
MSVOA_X
ClientSampled :

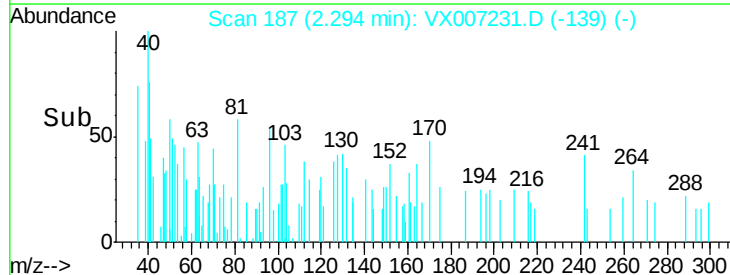
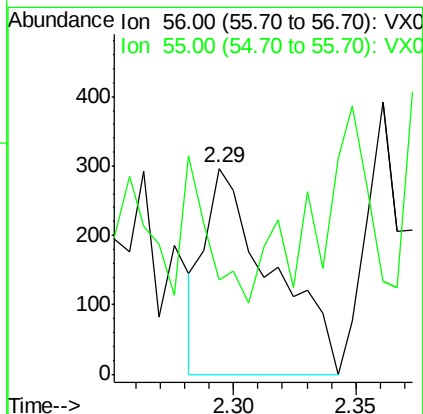
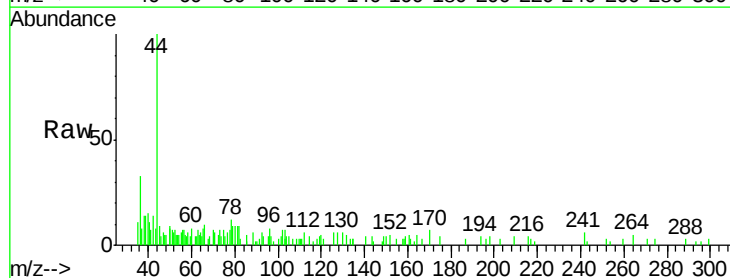
Tot Ion: 59 Resp: 588
Ion Ratio Lower Upper
59 100
57 84.7 8.5 12.7#

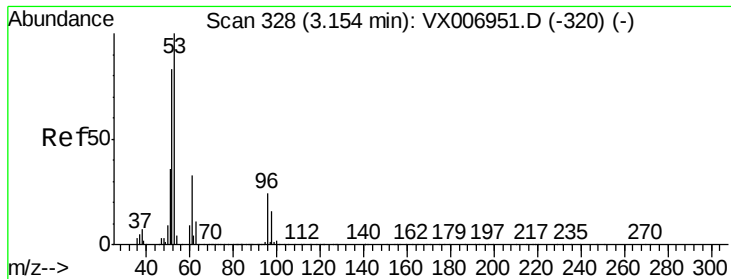


#13

Acrolein
Concen: 4.030 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX007231.D
Acq: 25 Jan 2019 16:15

Tgt Ion: 56 Resp: 561
Ion Ratio Lower Upper
56 100
55 26.6 58.2 87.4#





#15

Acrylonitrile

Concen: 0.407 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007231.D

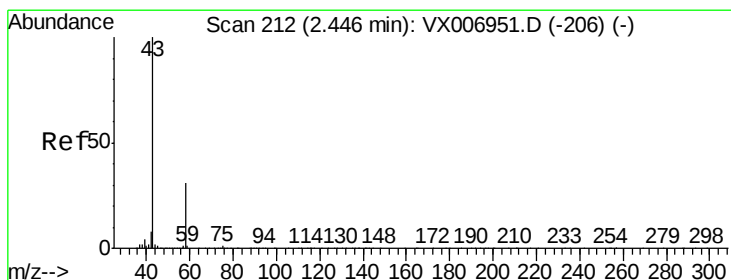
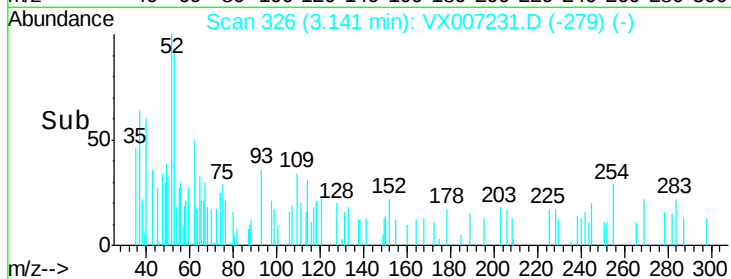
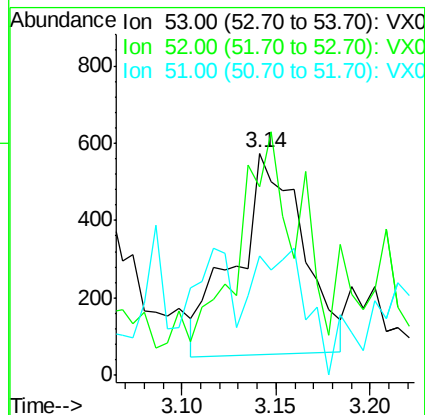
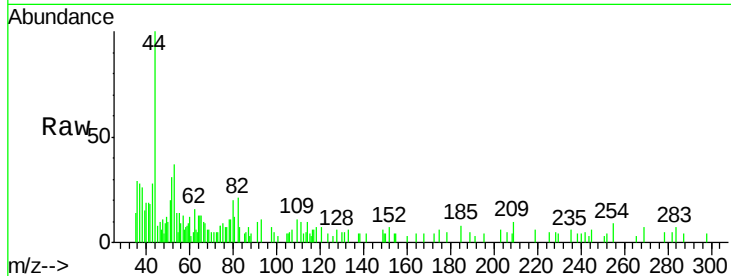
Acq: 25 Jan 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:	53	Resp:	1271
Ion	Ratio	Lower	Upper
53	100		
52	90.6	66.0	99.0
51	49.9	28.6	42.8#



#16

Acetone

Concen: 0.468 ug/l

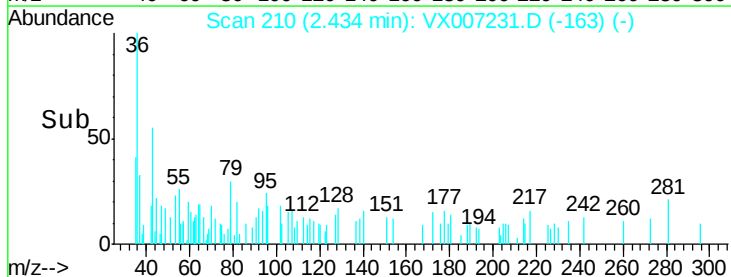
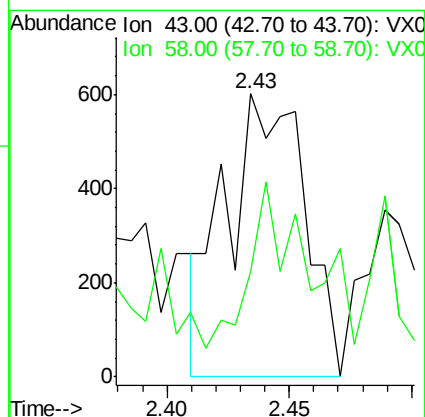
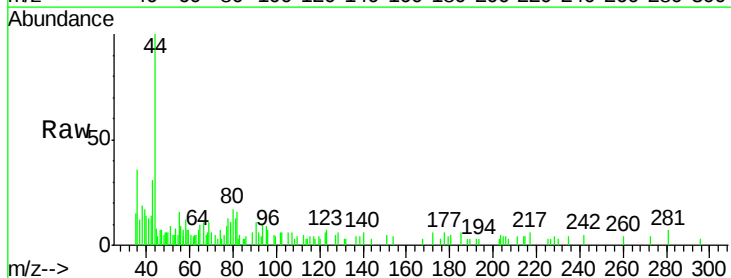
RT: 2.43 min Scan# 210

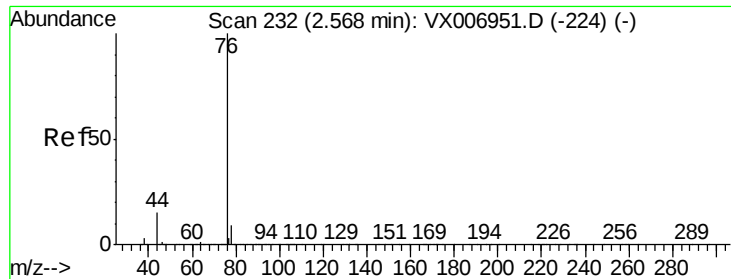
Delta R.T. -0.01 min

Lab File: VX007231.D

Acq: 25 Jan 2019 16:15

Tgt Ion:	43	Resp:	1333
Ion	Ratio	Lower	Upper
43	100		
58	14.6	25.0	37.6#





#17

Carbon Disulfide

Concen: 0.216 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX007231.D

Acq: 25 Jan 2019 16:15

Instrument :

MSVOA_X

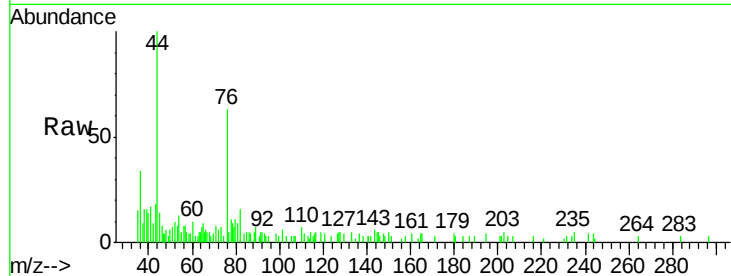
ClientSampleId :

Tot Ion: 76 Resp: 2813

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1500

1000

500

0

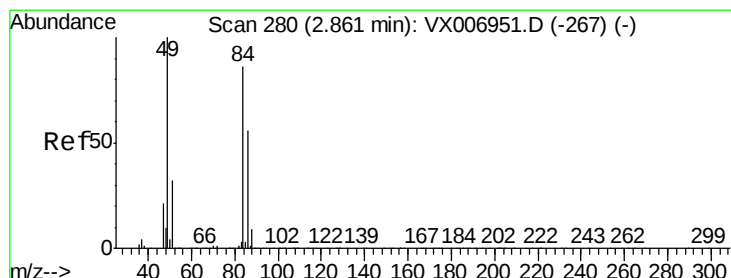
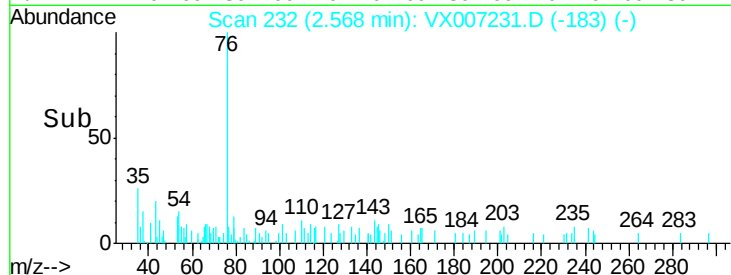
Time-->

2.50

2.55

2.60

2.65



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007231.D

Acq: 25 Jan 2019 16:15

Tgt Ion: 84 Resp: 1189

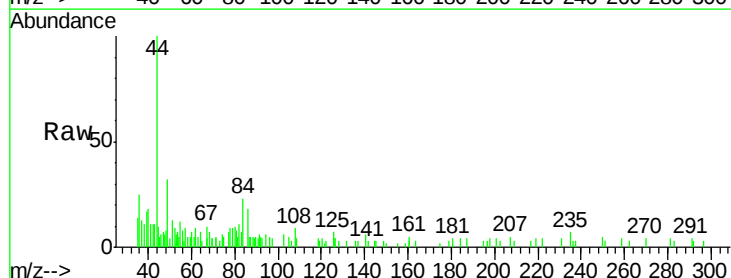
Ion Ratio Lower Upper

84 100

49 111.6 91.8 137.6

51 27.8 28.5 42.7#

86 97.8 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

1000

800

600

400

200

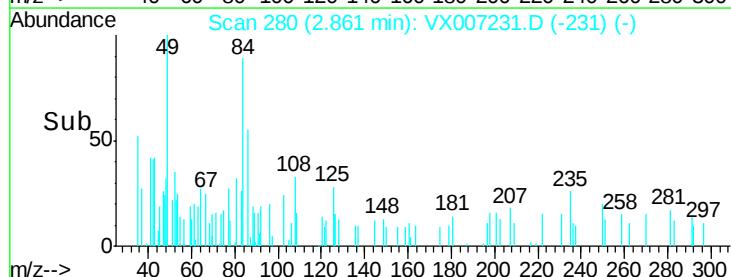
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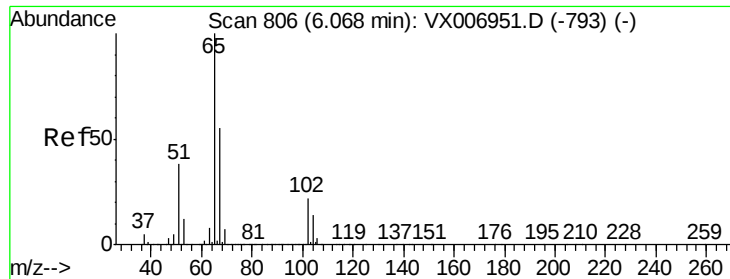
Time-->

2.80

2.85

2.90

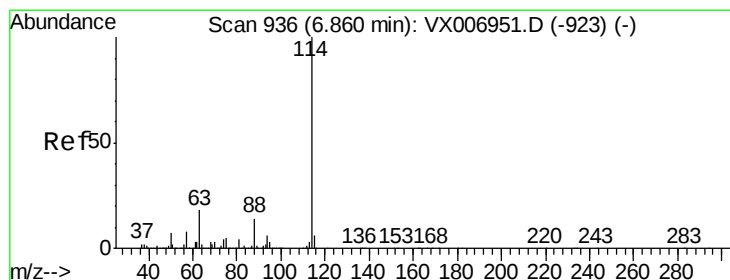
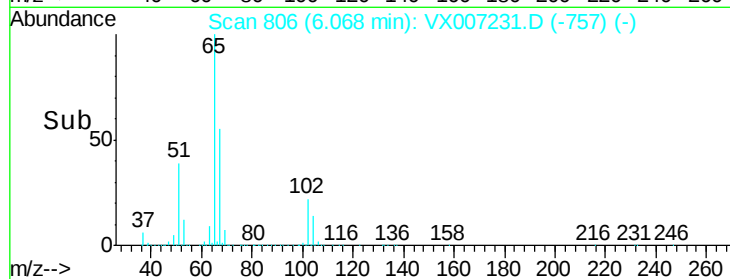
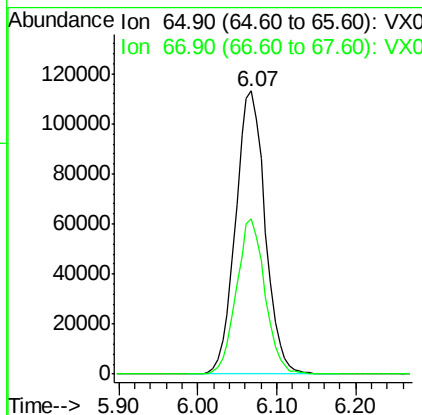
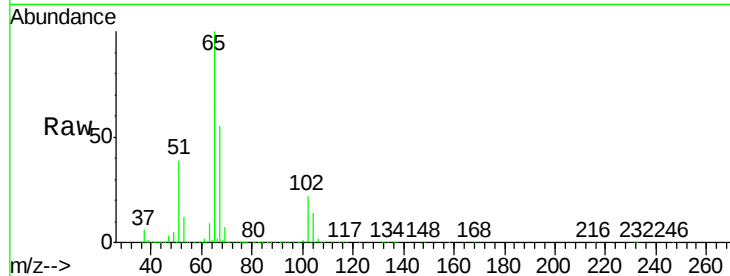




#33
 1,2-Dichloroethane-d4
 Concen: 51.236 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007231.D
 Acq: 25 Jan 2019 16:15

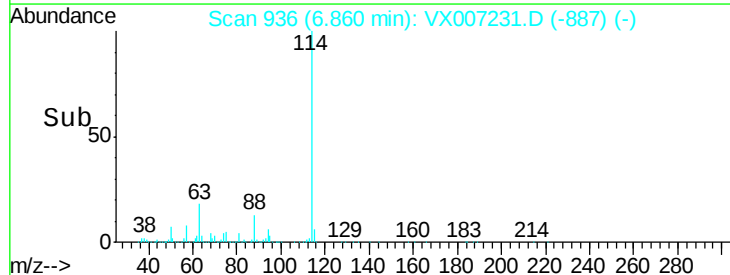
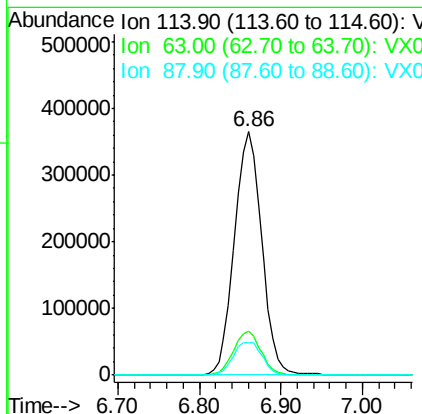
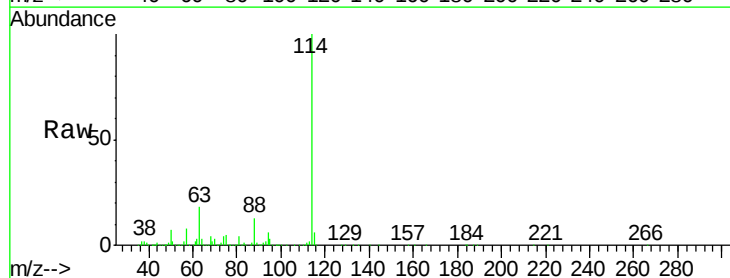
Instrument :
 MSVOA_X
 ClientSampleId :

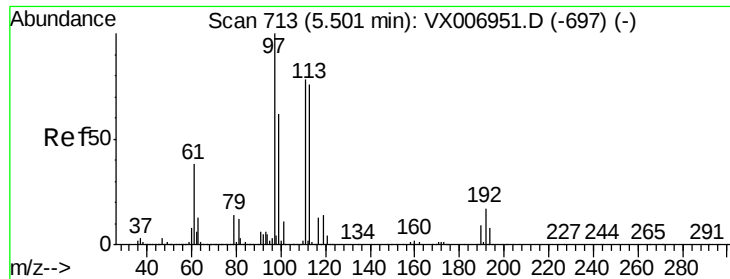
Tot Ion: 65 Resp: 295150
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007231.D
 Acq: 25 Jan 2019 16:15

Tgt Ion: 114 Resp: 845762
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.8
 88 13.3 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.820 ug/l

RT: 5.50 min Scan# 713

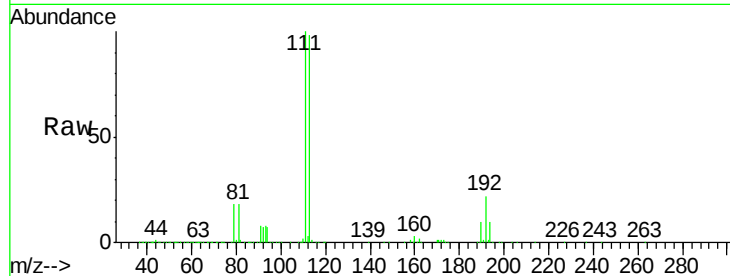
Delta R.T. 0.00 min

Lab File: VX007231.D

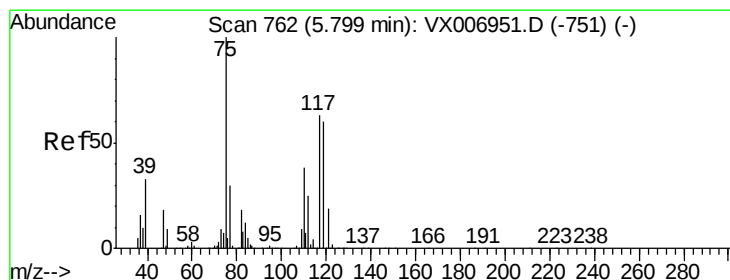
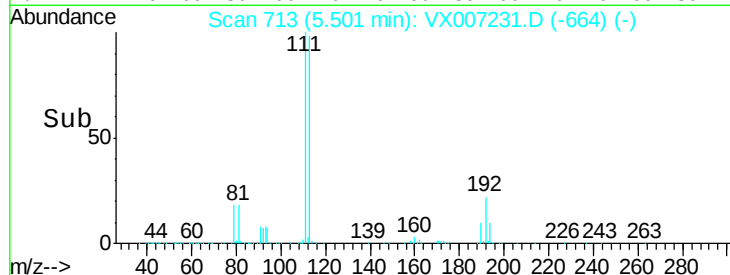
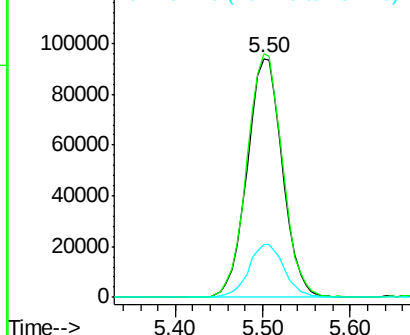
Acq: 25 Jan 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.6	122.4
192	22.4	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: 4.850 ug/l

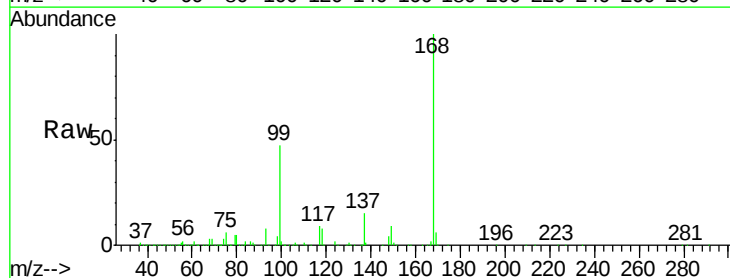
RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

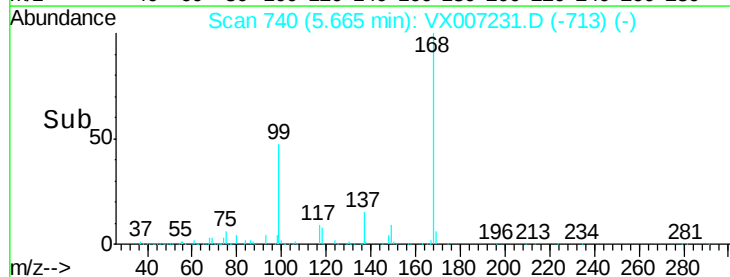
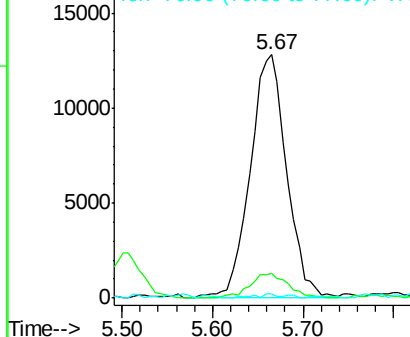
Lab File: VX007231.D

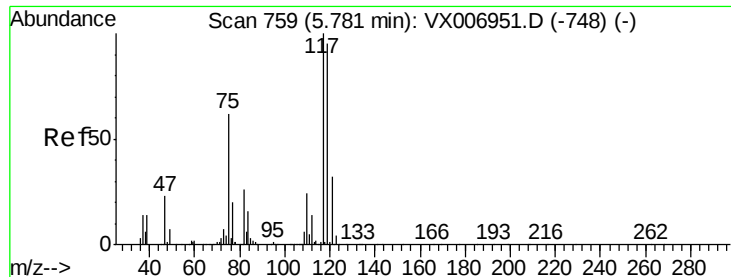
Acq: 25 Jan 2019 16:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	20.2	60.5#
77	1.0	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: 6.849 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007231.D

Acq: 25 Jan 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

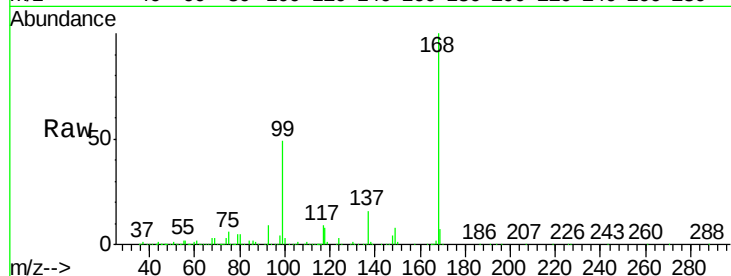
Tot Ion:117 Resp: 50669

Ion Ratio Lower Upper

117 100

119 5.8 79.4 119.2#

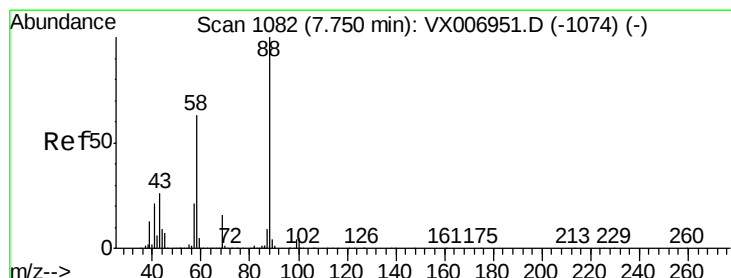
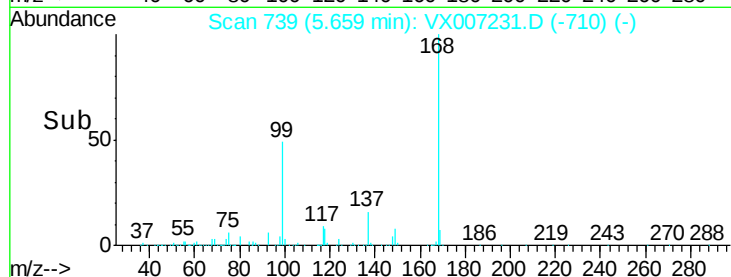
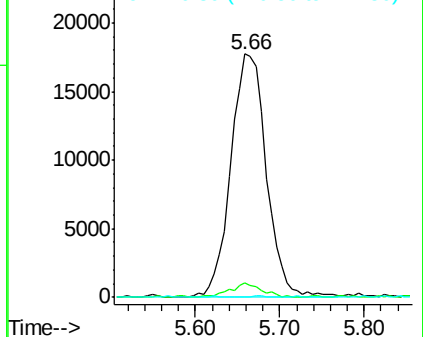
121 0.0 24.0 36.0#



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: VX007231.D

Acq: 25 Jan 2019 16:15

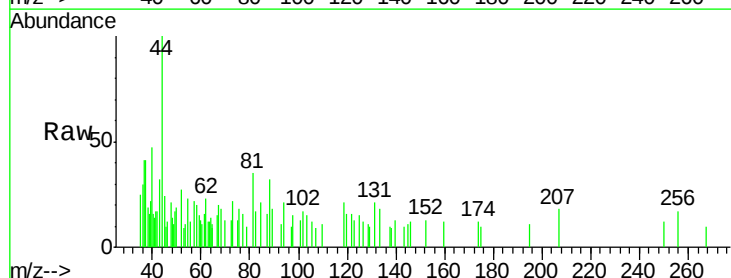
Tgt Ion: 88 Resp: 331

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

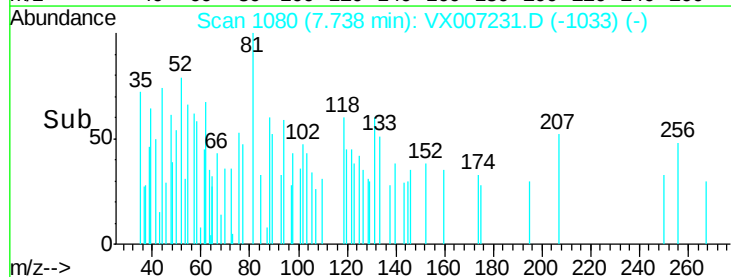
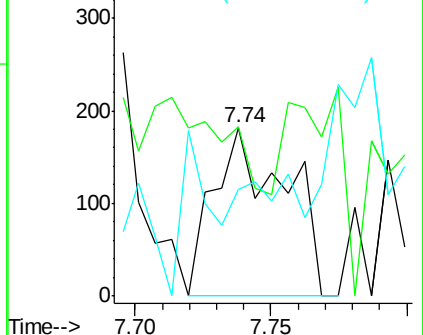
58 19.6 51.0 76.4#

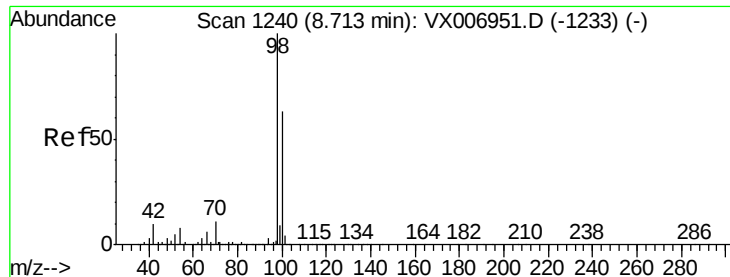


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.228 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007231.D

Acq: 25 Jan 2019 16:15

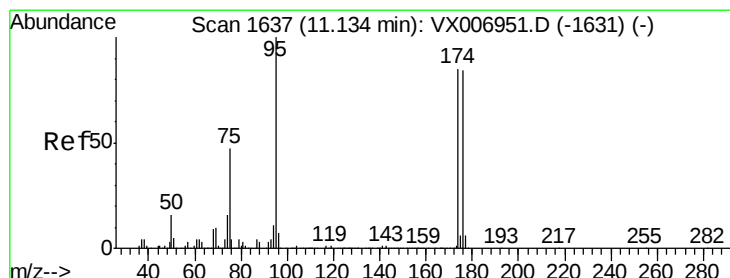
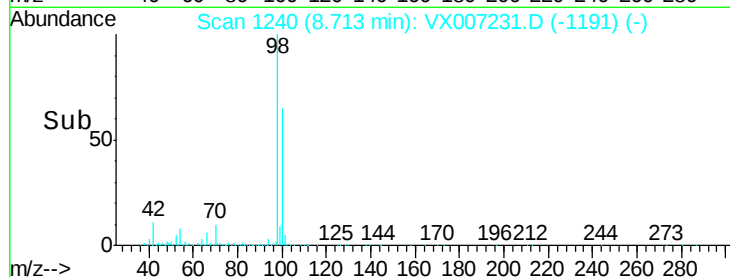
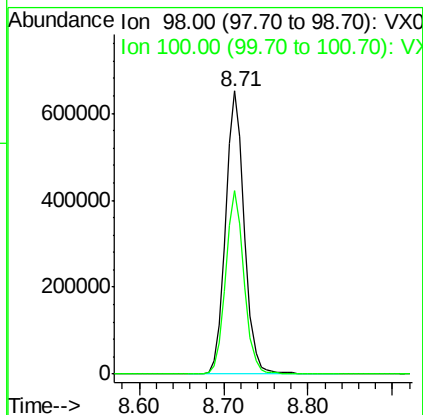
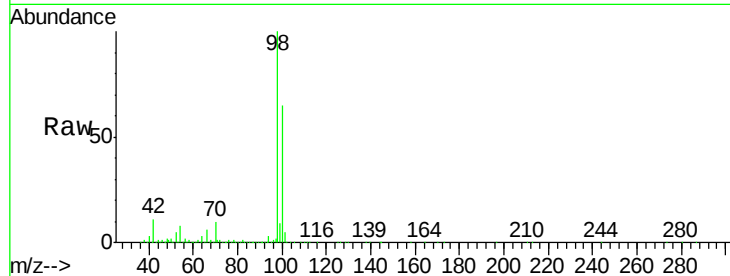
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 995776

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 50.842 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007231.D

Acq: 25 Jan 2019 16:15

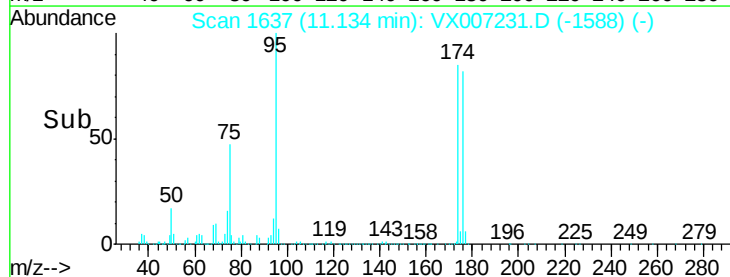
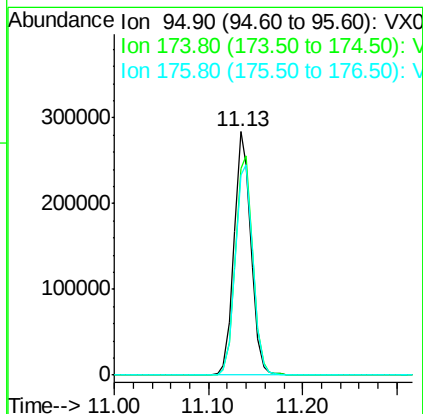
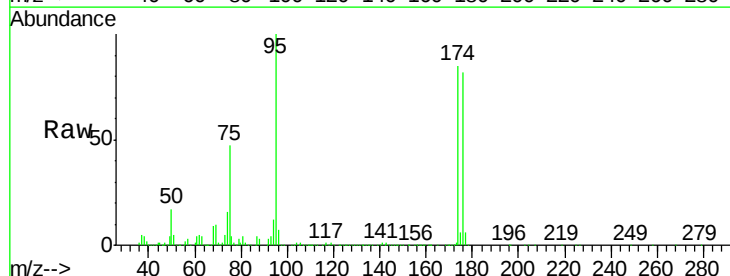
Tgt Ion: 95 Resp: 351390

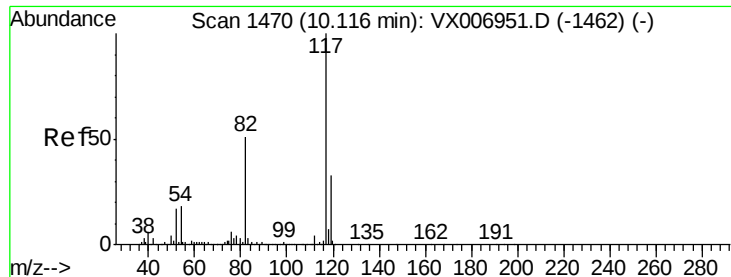
Ion Ratio Lower Upper

95 100

174 93.1 0.0 182.2

176 90.6 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007231.D

Acq: 25 Jan 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

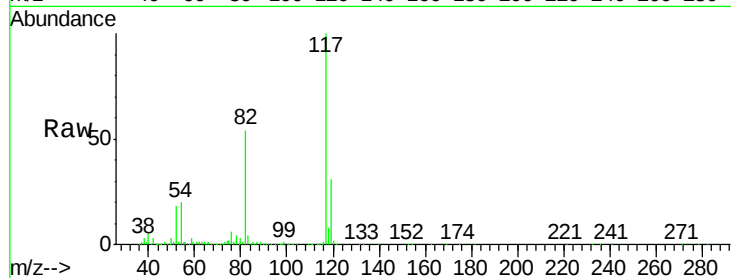
Tot Ion:117 Resp: 780587

Ion Ratio Lower Upper

117 100

82 53.5 41.0 61.6

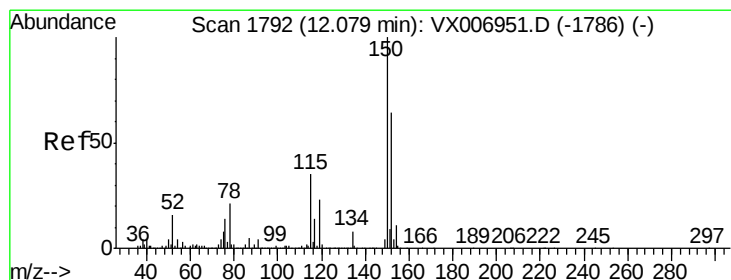
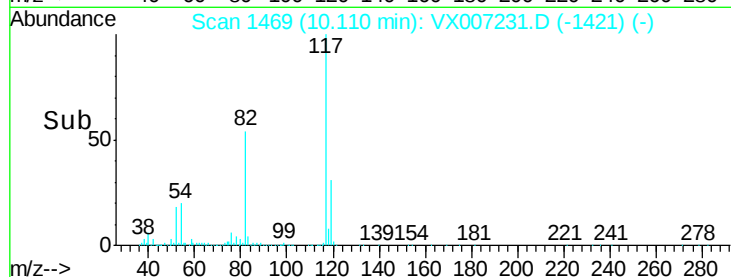
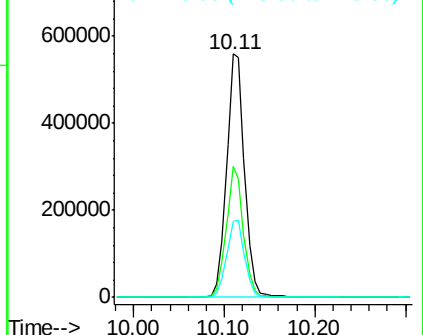
119 31.4 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX007231.D

Acq: 25 Jan 2019 16:15

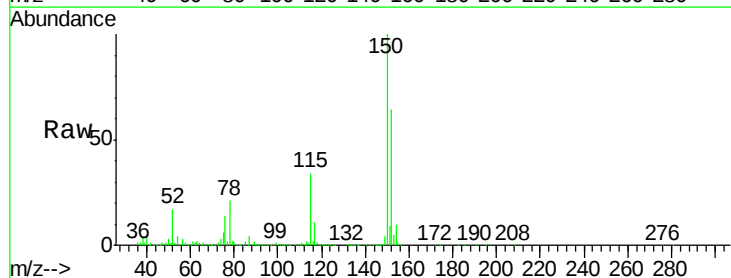
Tgt Ion:152 Resp: 378735

Ion Ratio Lower Upper

152 100

115 53.7 39.1 117.2

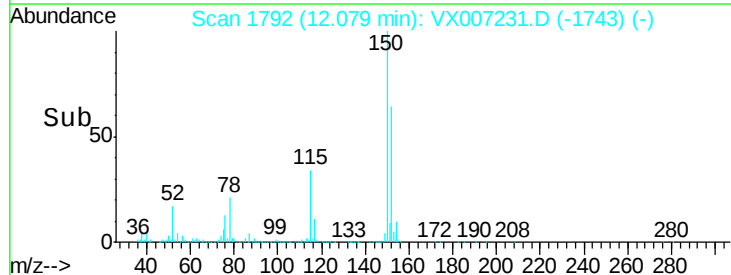
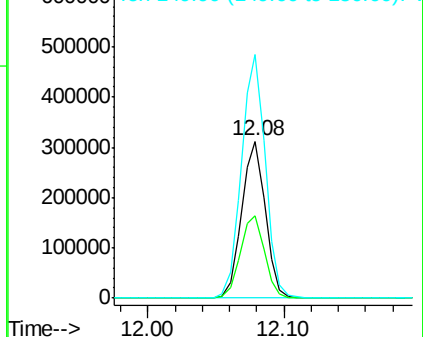
150 155.9 0.0 344.8

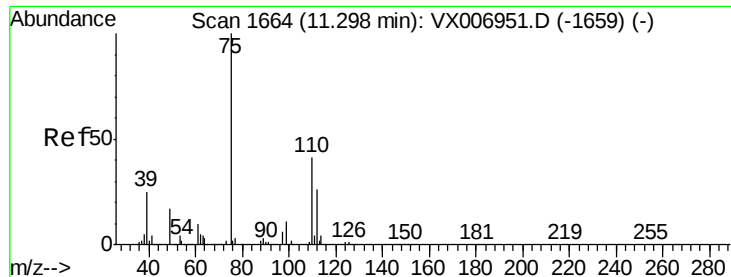


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



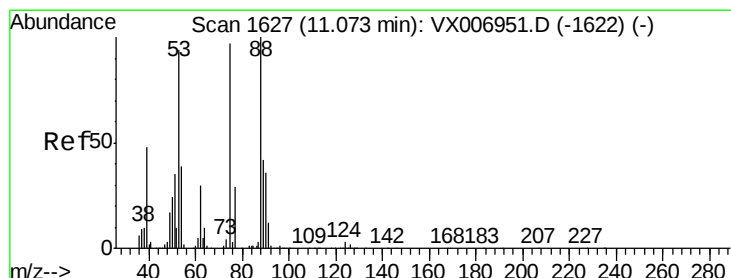
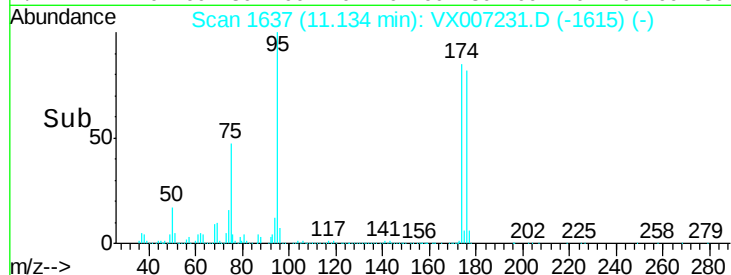
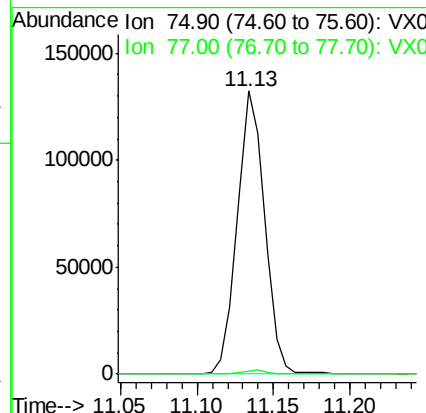
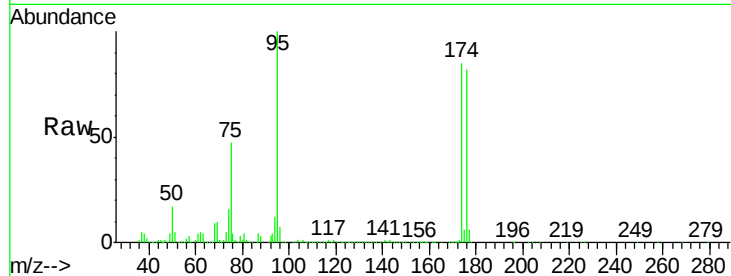


#76

1,2,3-Trichloropropane
Concen: 21.420 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007231.D
Acq: 25 Jan 2019 16:15

Instrument :
MSVOA_X
ClientSampled :

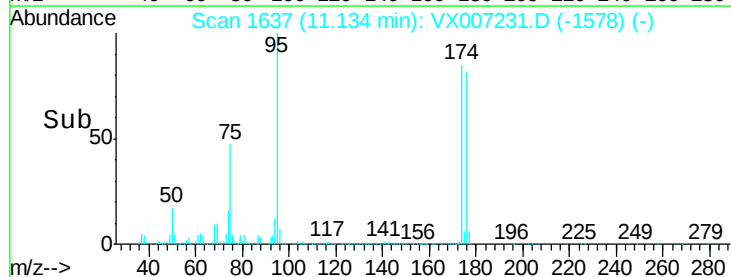
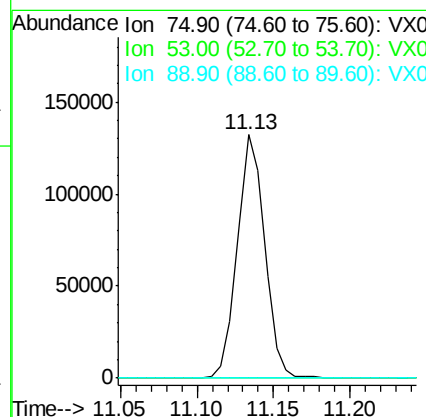
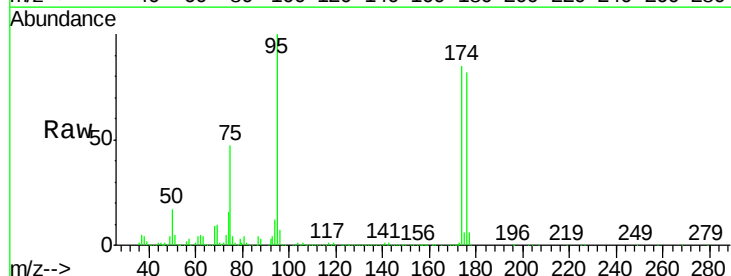
Tot Ion: 75 Resp: 164395
Ion Ratio Lower Upper
75 100
77 1.5 18.5 55.5#

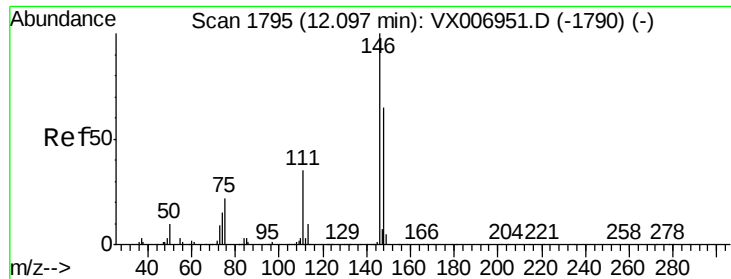


#81

trans-1,4-Dichloro-2-butene
Concen: 63.534 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007231.D
Acq: 25 Jan 2019 16:15

Tgt Ion: 75 Resp: 164395
Ion Ratio Lower Upper
75 100
53 0.3 79.7 119.5#
89 0.0 38.0 57.0#





#88

1,4-Dichlorobenzene

Concen: 0.230 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.07 min

Lab File: VX007231.D

Acq: 25 Jan 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

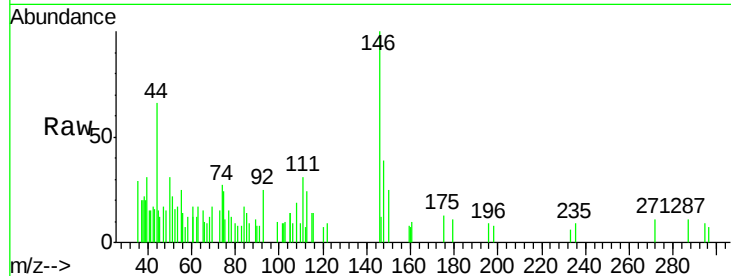
Tot Ion:146 Resp: 1073

Ion Ratio Lower Upper

146 100

111 38.5 18.1 54.1

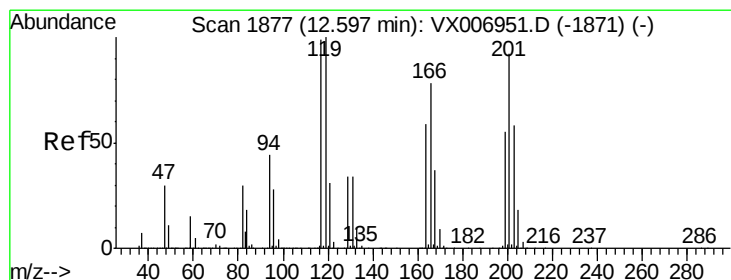
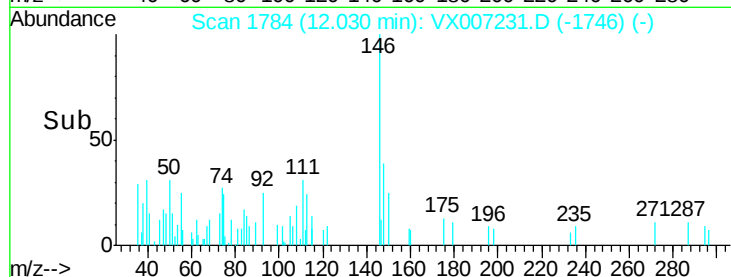
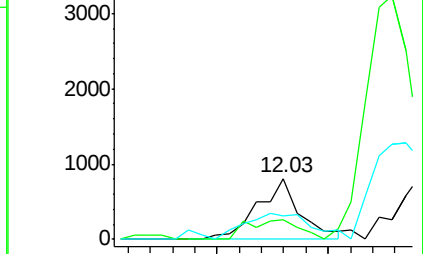
148 63.2 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 2.915 ug/l

RT: 12.51 min Scan# 1862

Delta R.T. -0.09 min

Lab File: VX007231.D

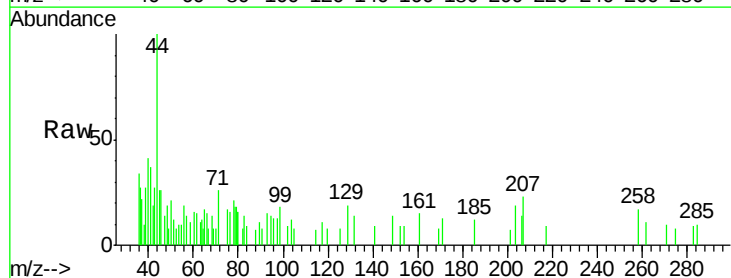
Acq: 25 Jan 2019 16:15

Tgt Ion:117 Resp: 29

Ion Ratio Lower Upper

117 100

201 65.5 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

