

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040919\
 Data File : VX008781.D
 Acq On : 09 Apr 2019 19:19
 Operator : JC/SP
 Sample : K2337-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 10 06:39:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	204438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337122	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	288808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119301	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	138499	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	
35) Dibromofluoromethane	5.50	113	100749	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
50) Toluene-d8	8.71	98	421174	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.13	95	137090	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	

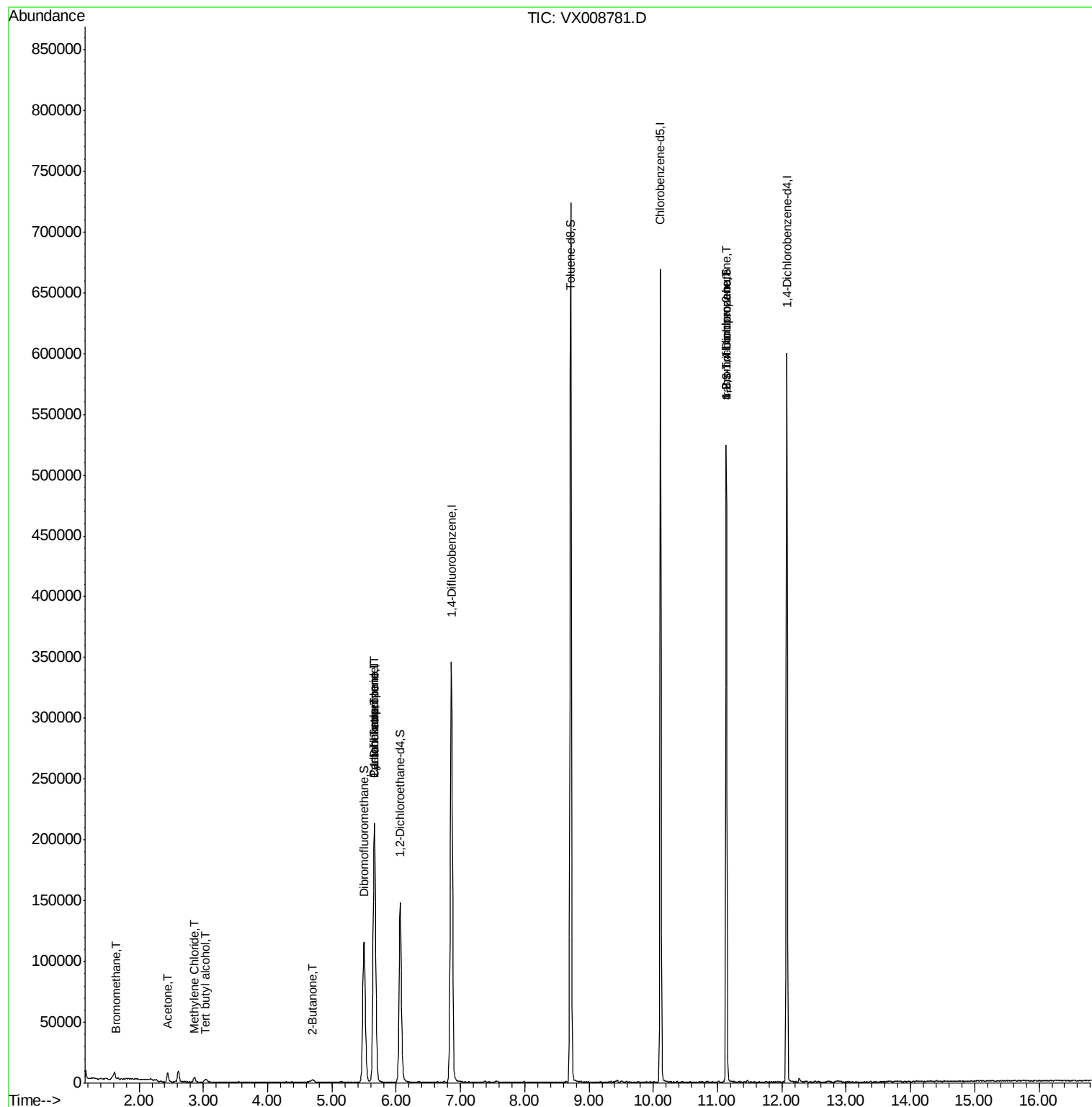
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	304	Below Cal	#	88
5) Bromomethane	1.64	94	168	1.988	ug/l #	64
6) Chloroethane	1.68	64	203	Below Cal	#	59
11) Tert butyl alcohol	3.04	59	2813	4.030	ug/l	95
16) Acetone	2.44	43	8159	4.751	ug/l	95
17) Carbon Disulfide	2.57	76	554	Below Cal	#	70
20) Methylene Chloride	2.86	84	1677	0.583	ug/l	98
25) 2-Butanone	4.70	43	2129	0.784	ug/l	96
28) Bromochloromethane	5.02	49	86	Below Cal	#	22
31) Cyclohexane	5.67	56	4678	0.908	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16580	4.499	ug/l #	51
38) Carbon Tetrachloride	5.66	117	19762	6.479	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	70167	21.410	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	70167	59.017	ug/l #	9

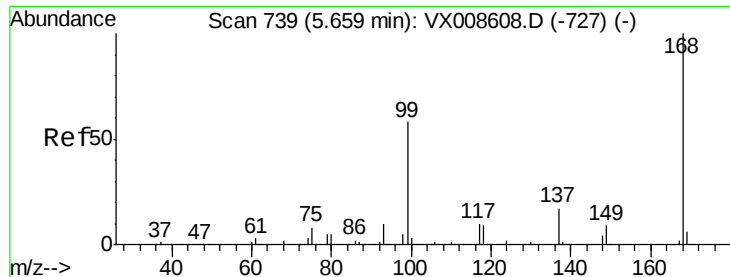
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008781.D

Acq: 09 Apr 2019 19:19

Instrument :

MSVOA_X

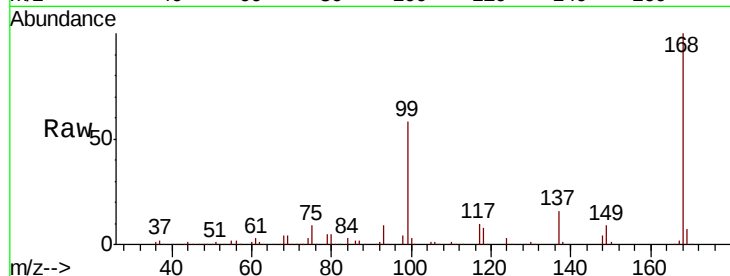
ClientSampleId :

Tot Ion:168 Resp: 204438

Ion Ratio Lower Upper

168 100

99 57.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

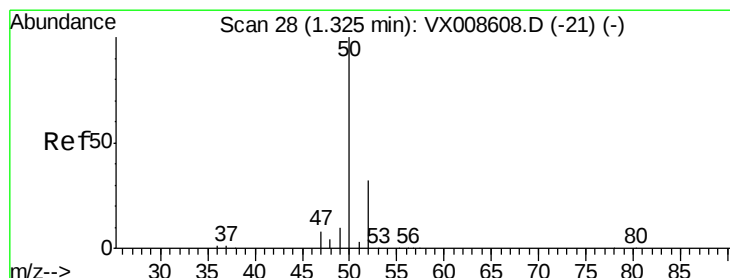
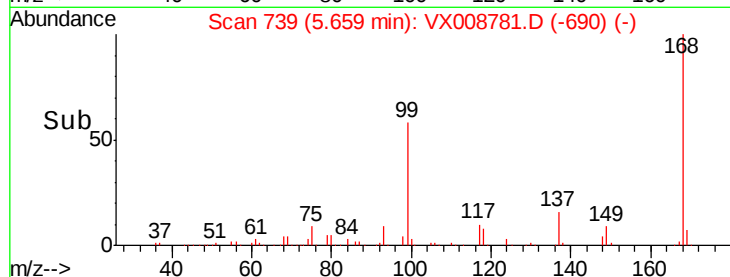
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008781.D

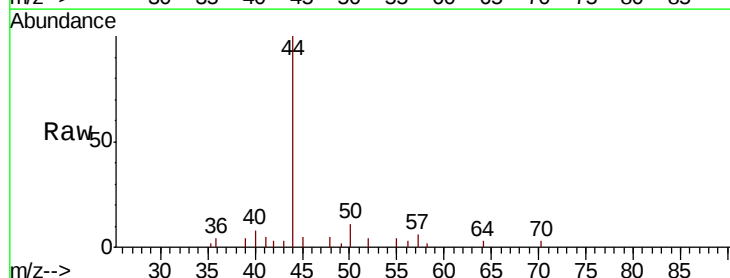
Acq: 09 Apr 2019 19:19

Tgt Ion: 50 Resp: 304

Ion Ratio Lower Upper

50 100

52 38.8 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250

200

150

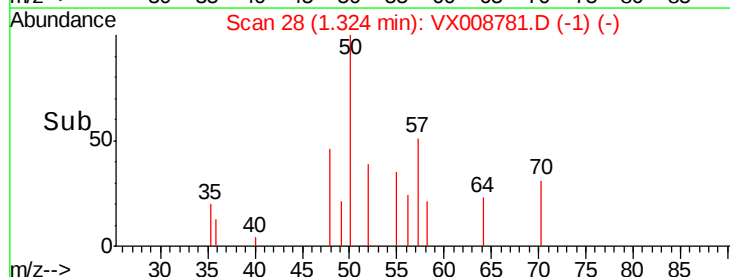
100

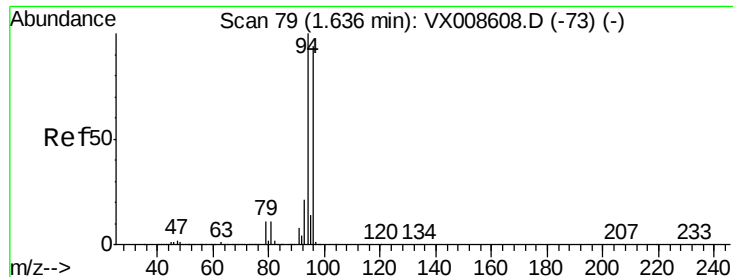
50

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 1.988 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008781.D

Acq: 09 Apr 2019 19:19

Instrument :

MSVOA_X

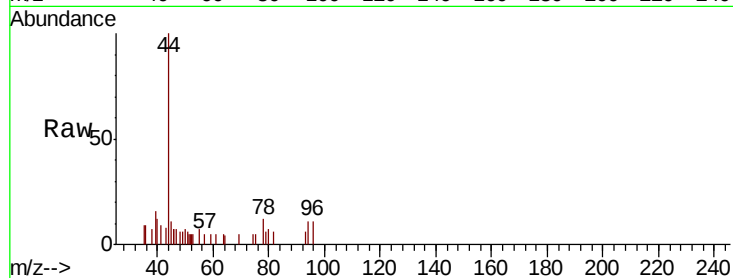
ClientSampled :

Tot Ion: 94 Resp: 168

Ion Ratio Lower Upper

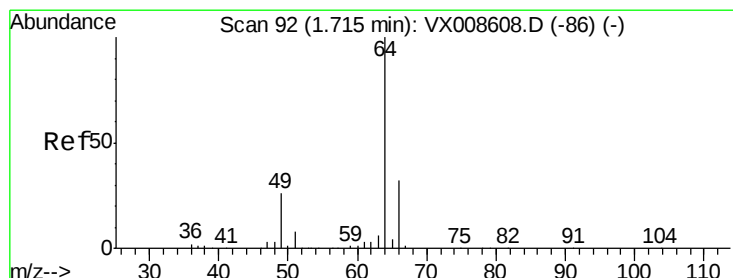
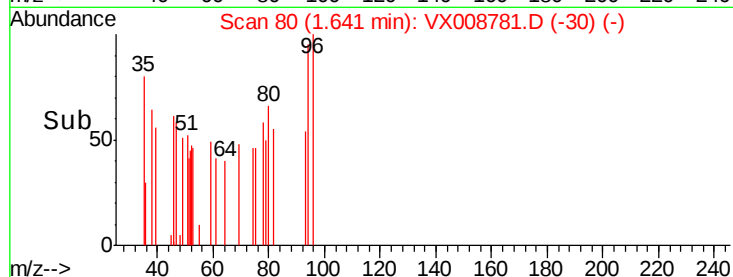
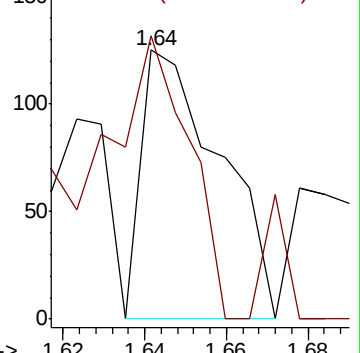
94 100

96 59.2 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX008781.D

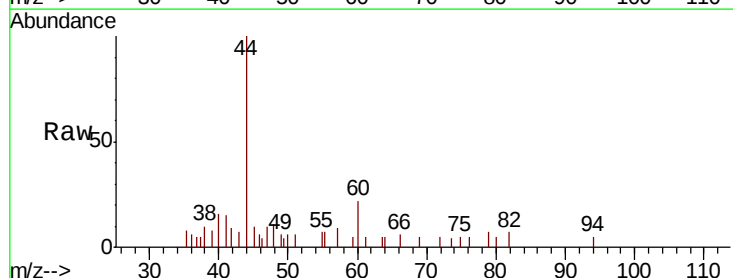
Acq: 09 Apr 2019 19:19

Tgt Ion: 64 Resp: 203

Ion Ratio Lower Upper

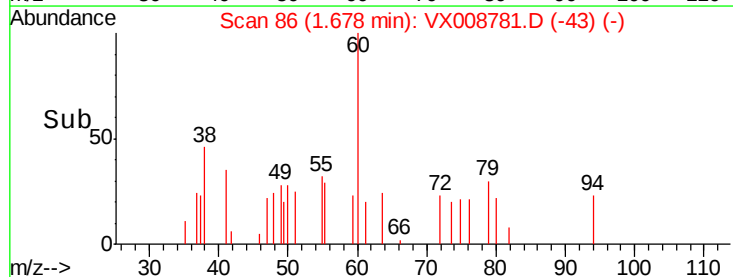
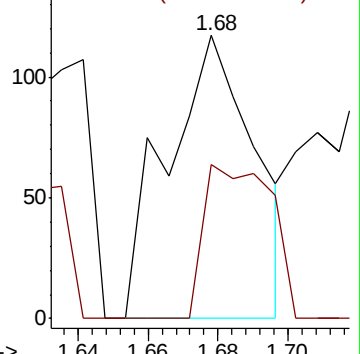
64 100

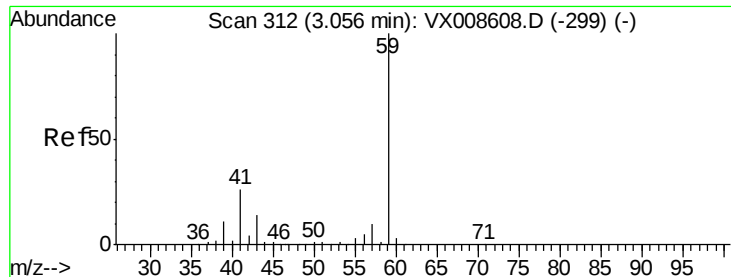
66 54.7 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

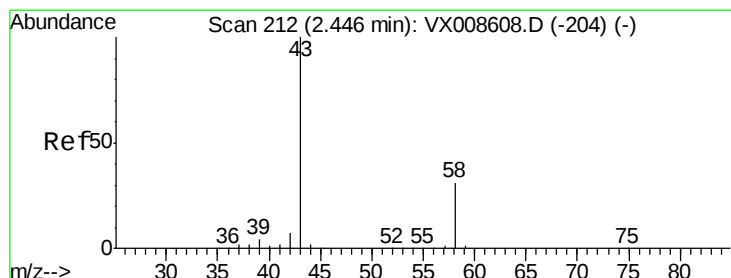
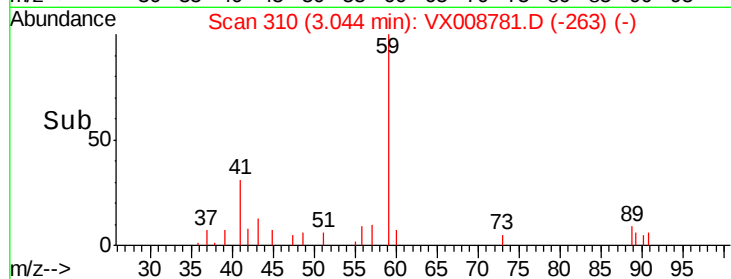
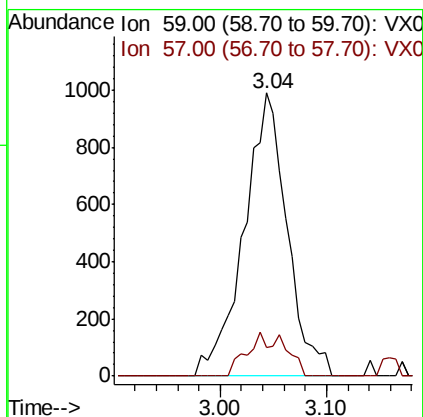
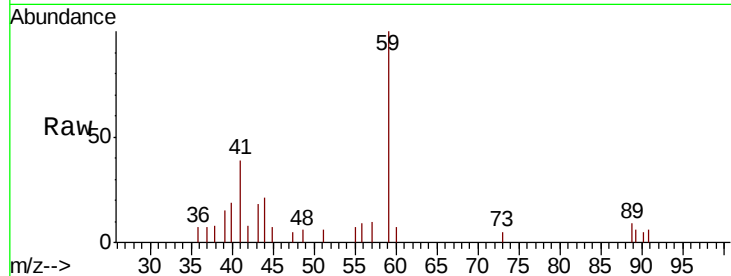




#11
Tert butyl alcohol
Concen: 4.030 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008781.D
Acq: 09 Apr 2019 19:19

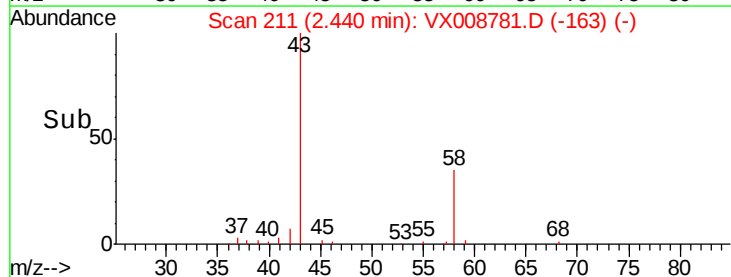
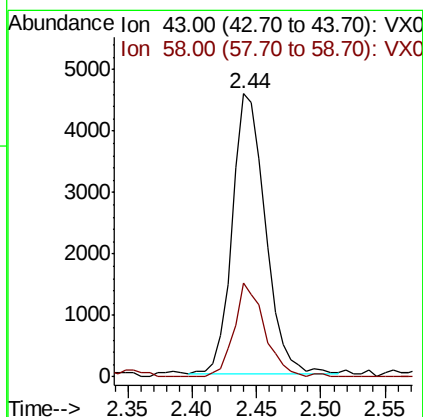
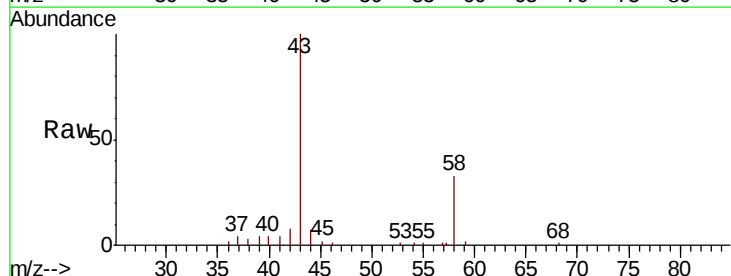
Instrument :
MSVOA_X
ClientSampled :

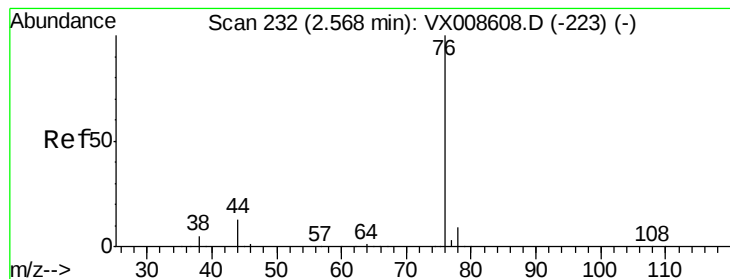
Tot Ion: 59 Resp: 2813
Ion Ratio Lower Upper
59 100
57 8.7 8.3 12.5



#16
Acetone
Concen: 4.751 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX008781.D
Acq: 09 Apr 2019 19:19

Tgt Ion: 43 Resp: 8159
Ion Ratio Lower Upper
43 100
58 33.7 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008781.D

Acq: 09 Apr 2019 19:19

Instrument :

MSVOA_X

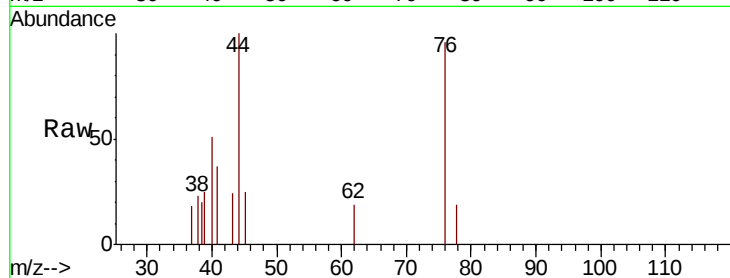
ClientSampleId :

Tot Ion: 76 Resp: 554

Ion Ratio Lower Upper

76 100

78 19.8 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

300

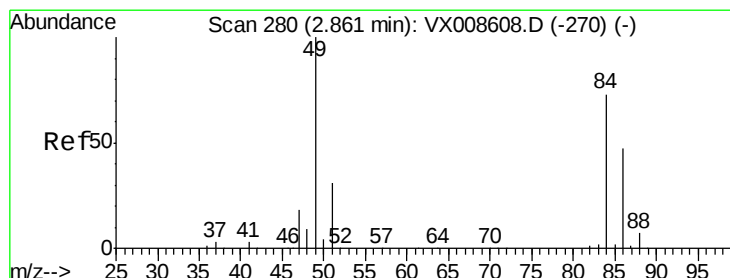
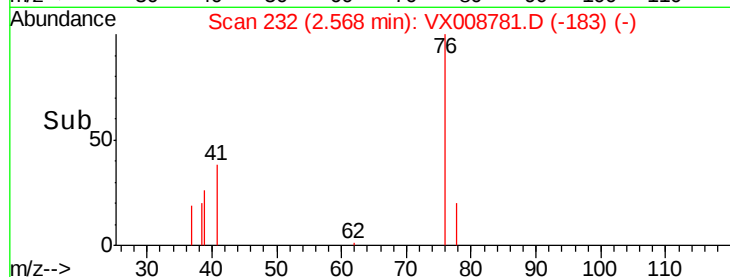
200

100

0

2.55 2.60

Time-->



#20

Methylene Chloride

Concen: 0.583 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008781.D

Acq: 09 Apr 2019 19:19

Tgt Ion: 84 Resp: 1677

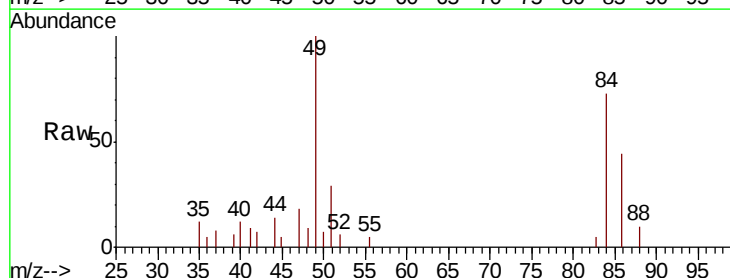
Ion Ratio Lower Upper

84 100

49 136.9 109.7 164.5

51 39.2 33.6 50.4

86 60.7 51.4 77.2



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

1500

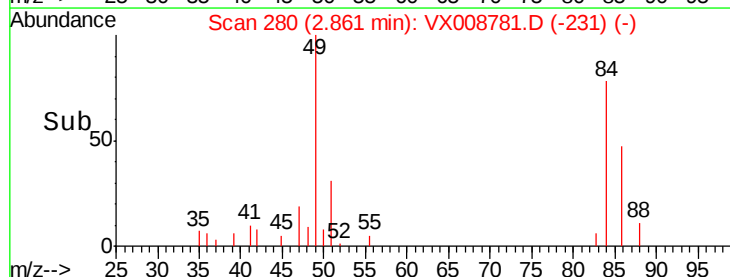
1000

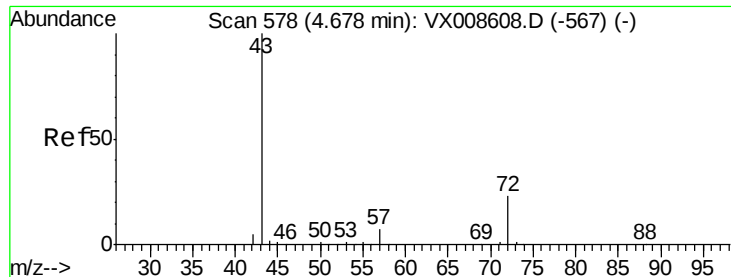
500

0

2.80 2.85 2.90

Time-->





#25

2-Butanone

Concen: 0.784 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX008781.D

Acq: 09 Apr 2019 19:19

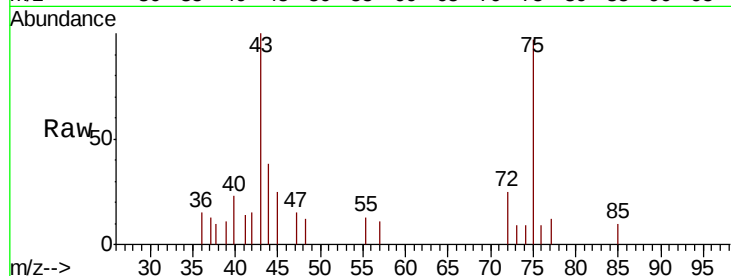
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 2129

Ion Ratio Lower Upper

43 100

72 25.0 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

600

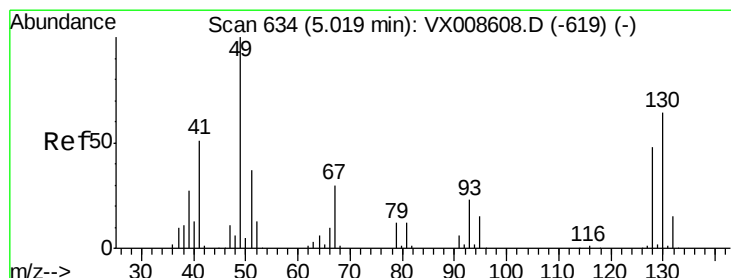
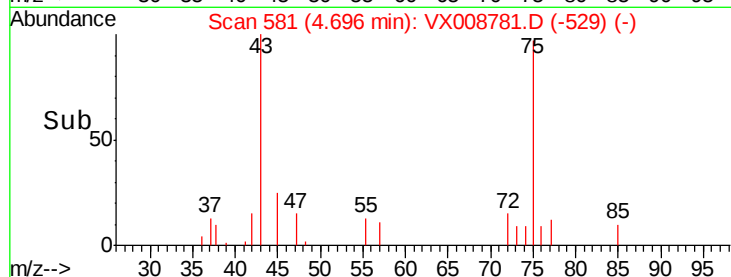
400

200

0

4.60 4.65 4.70 4.75

Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008781.D

Acq: 09 Apr 2019 19:19

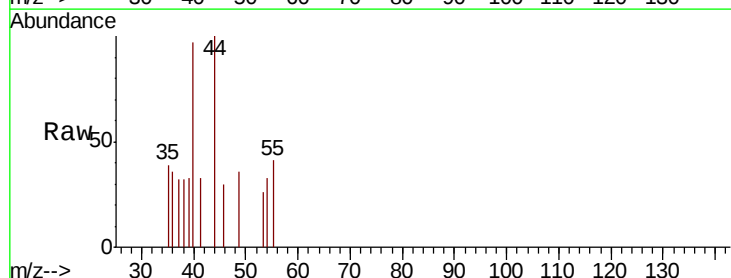
Tgt Ion: 49 Resp: 86

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

80

60

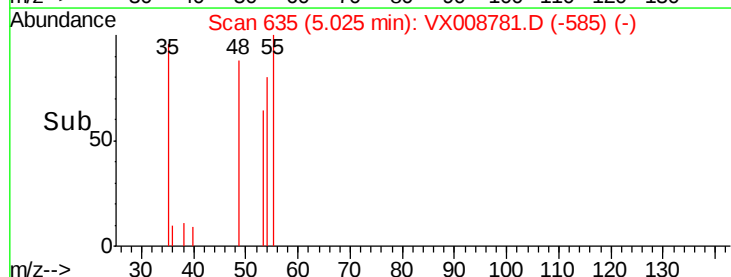
40

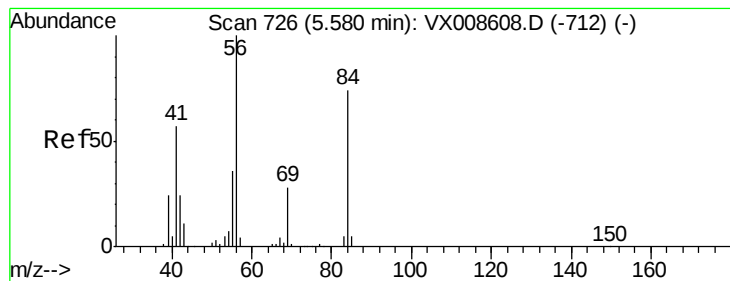
20

0

5.02 5.04 5.06

Time-->





#31

Cyclohexane

Concen: 0.908 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008781.D

Acq: 09 Apr 2019 19:19

Instrument :

MSVOA_X

ClientSampled :

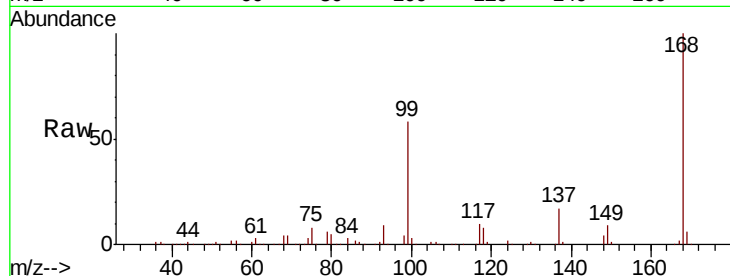
Tot Ion: 56 Resp: 4678

Ion Ratio Lower Upper

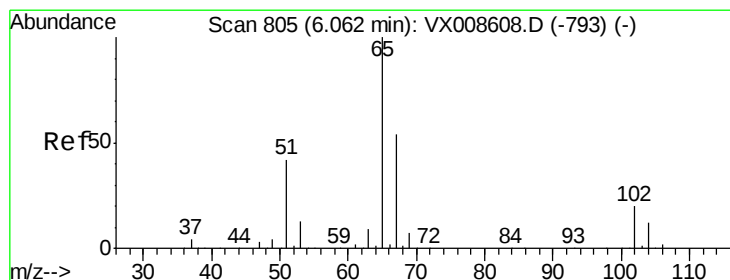
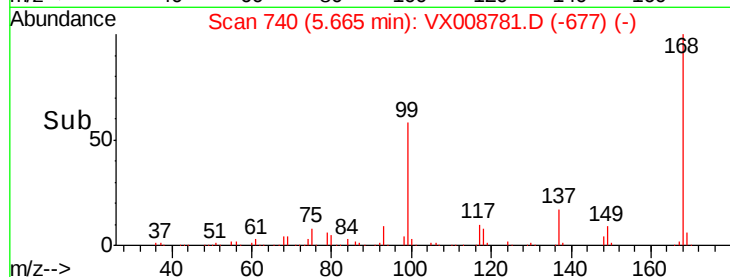
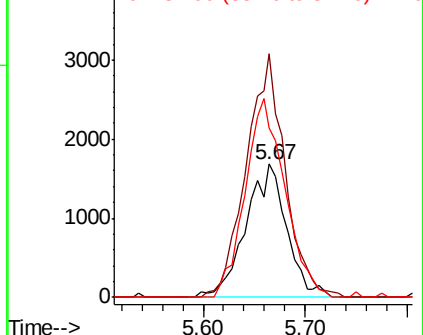
56 100

69 183.2 22.6 33.8#

84 127.6 59.3 88.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.447 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008781.D

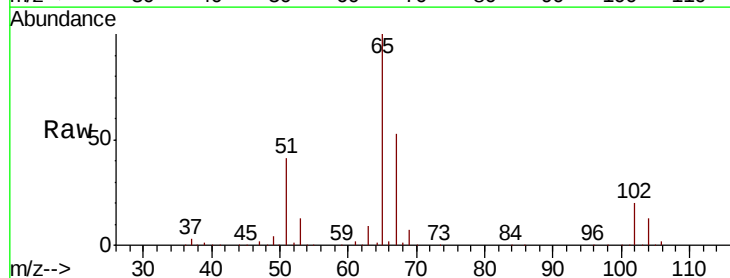
Acq: 09 Apr 2019 19:19

Tgt Ion: 65 Resp: 138499

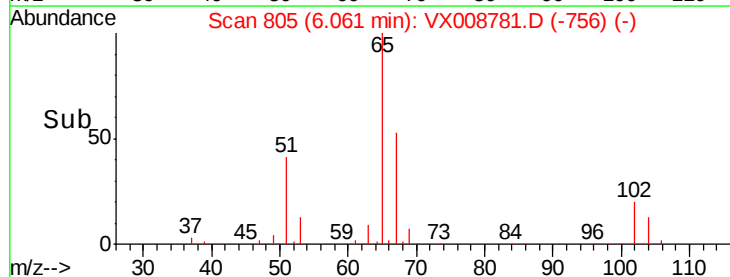
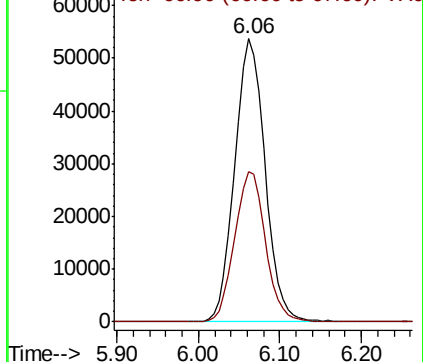
Ion Ratio Lower Upper

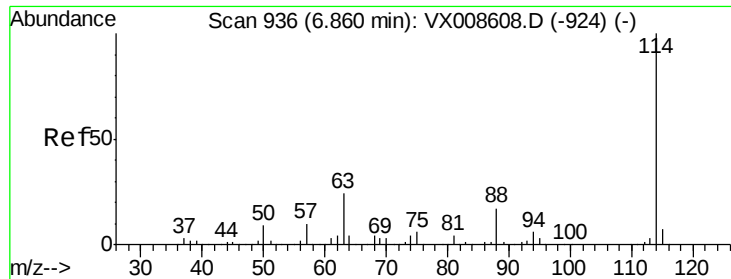
65 100

67 53.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

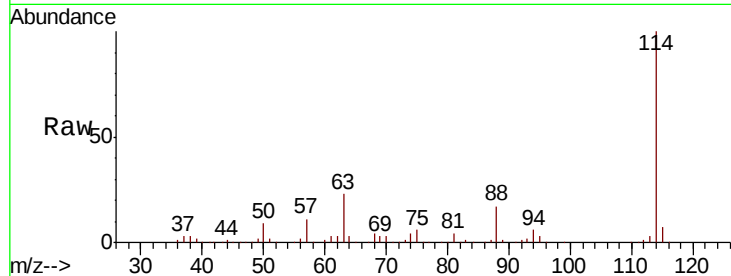




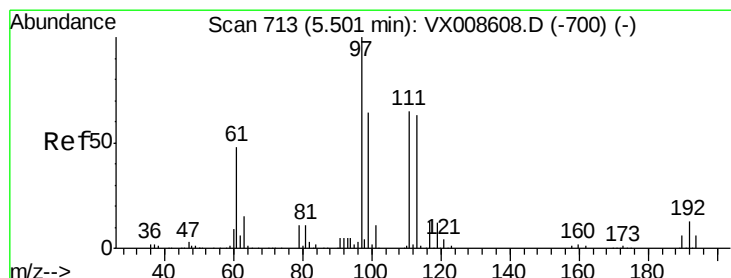
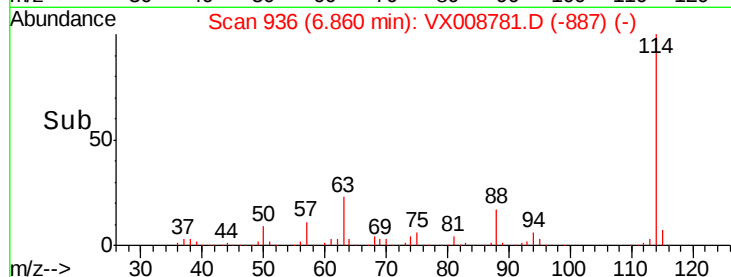
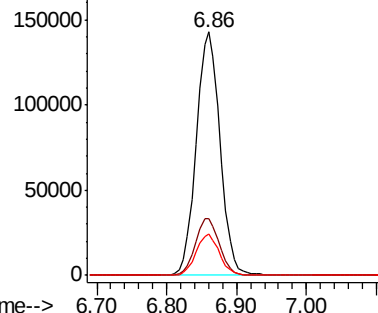
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008781.D
Acq: 09 Apr 2019 19:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 337122
Ion Ratio Lower Upper
114 100
63 23.2 0.0 47.2
88 17.2 0.0 34.0

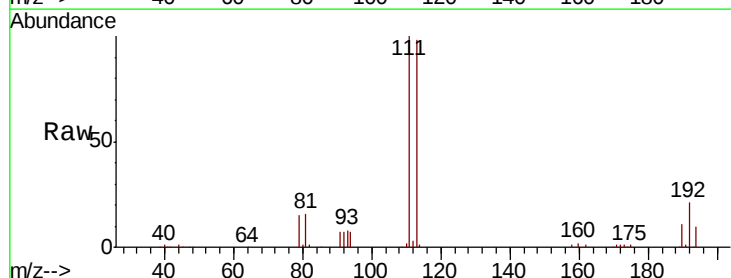


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

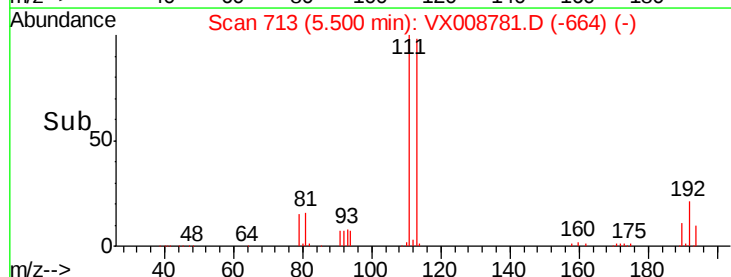
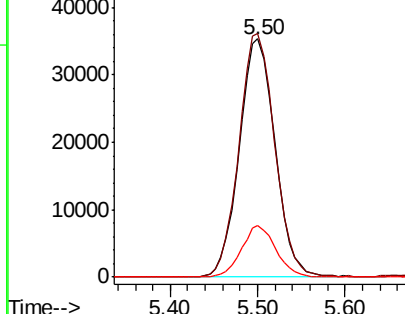


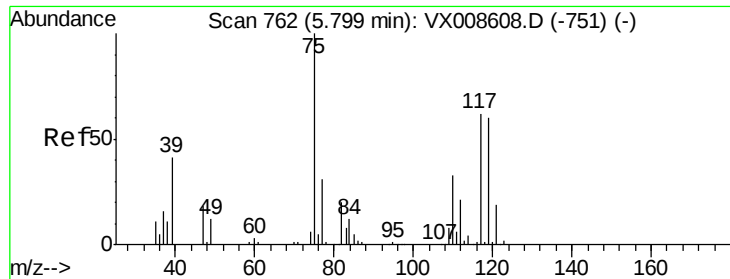
#35
Dibromofluoromethane
Concen: 46.742 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008781.D
Acq: 09 Apr 2019 19:19

Tgt Ion:113 Resp: 100749
Ion Ratio Lower Upper
113 100
111 102.3 83.4 125.2
192 20.8 16.1 24.1



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

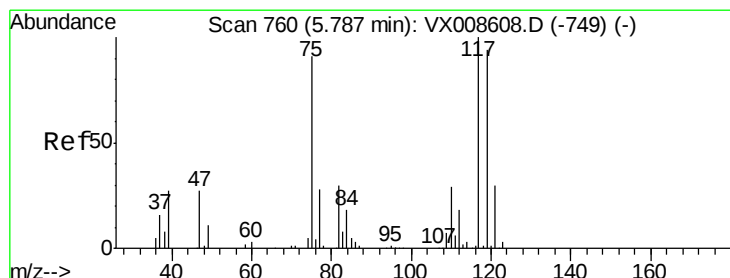
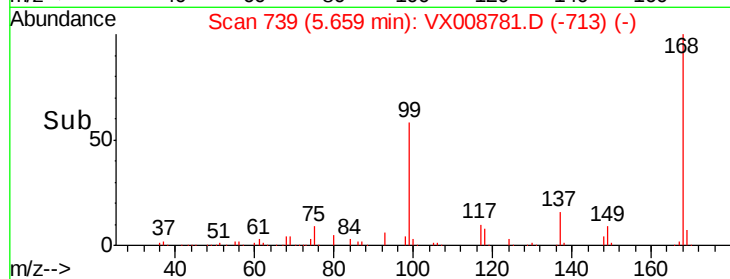
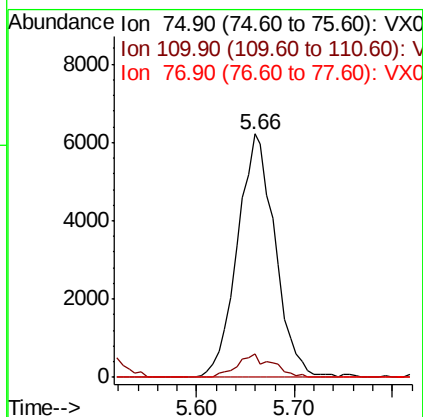
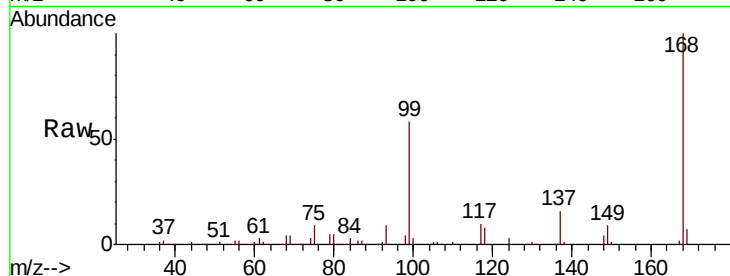




#36
 1,1-Dichloropropene
 Concen: 4.499 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008781.D
 Acq: 09 Apr 2019 19:19

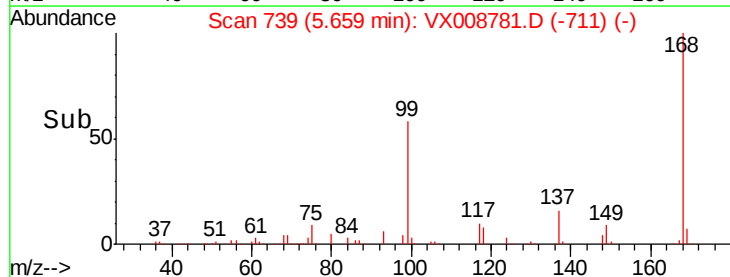
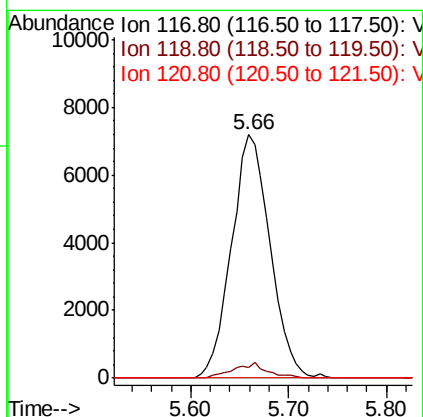
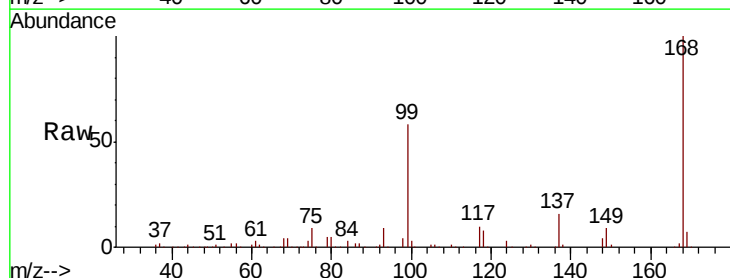
Instrument :
 MSVOA_X
 ClientSampleId :

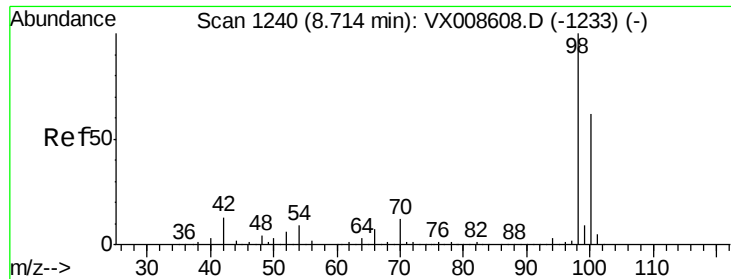
Tot Ion	75	Resp	16580
Ion Ratio	100	Lower	Upper
75	100		
110	9.0	16.4	49.2#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.479 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008781.D
 Acq: 09 Apr 2019 19:19

Tgt Ion	117	Resp	19762
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.3	75.0	112.6#
121	0.0	24.3	36.5#

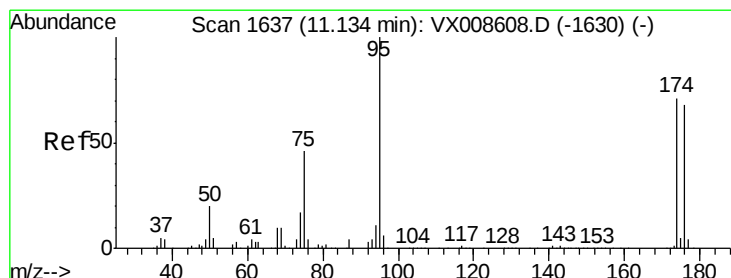
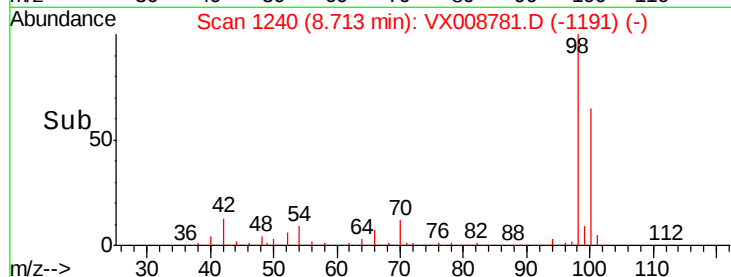
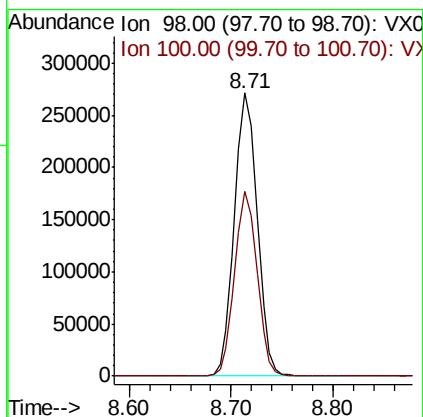
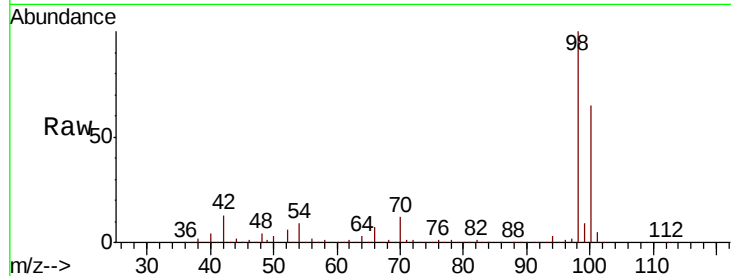




#50
Toluene-d8
Concen: 49.074 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008781.D
Acq: 09 Apr 2019 19:19

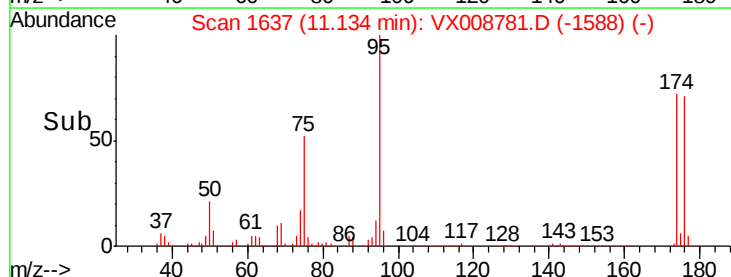
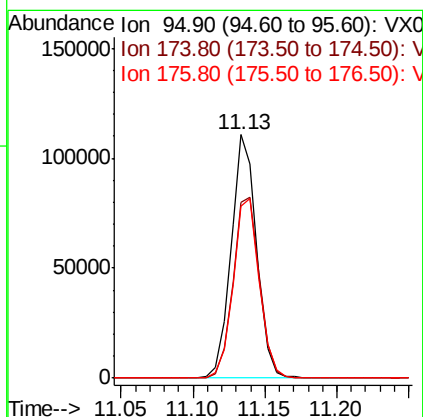
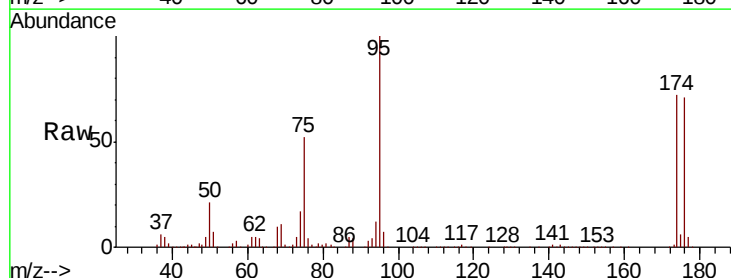
Instrument :
MSVOA_X
ClientSampleId :

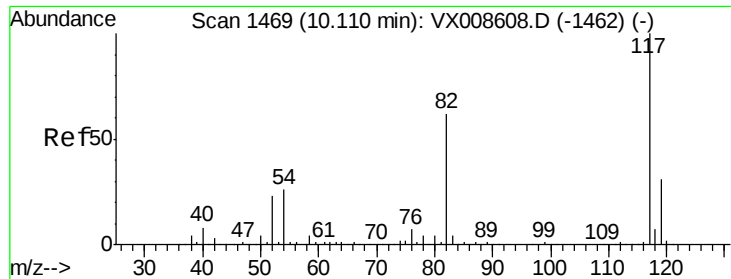
Tot Ion: 98 Resp: 421174
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 45.044 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008781.D
Acq: 09 Apr 2019 19:19

Tgt Ion: 95 Resp: 137090
Ion Ratio Lower Upper
95 100
174 77.6 0.0 151.8
176 75.9 0.0 145.8

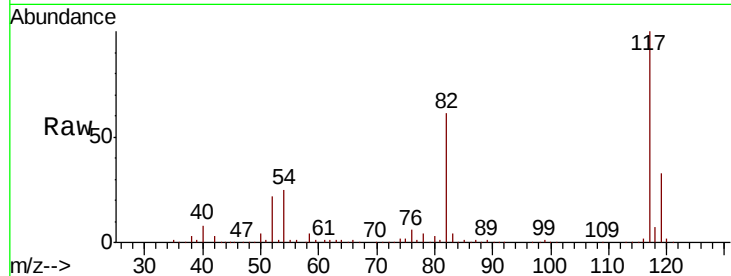




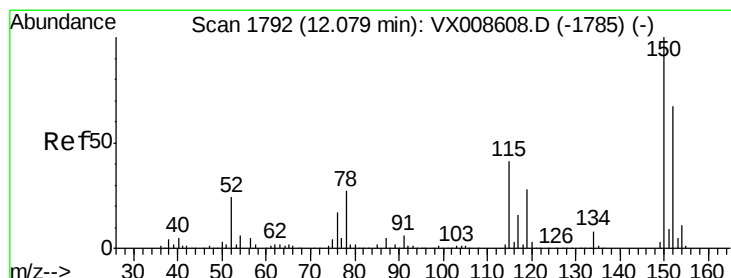
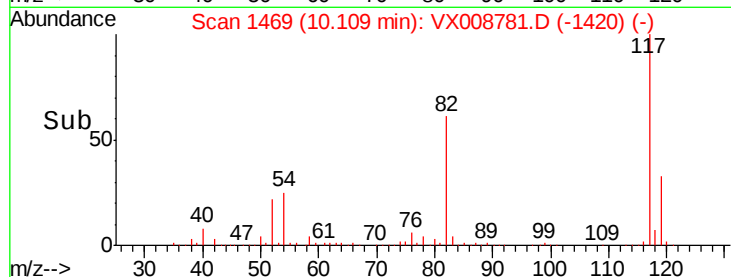
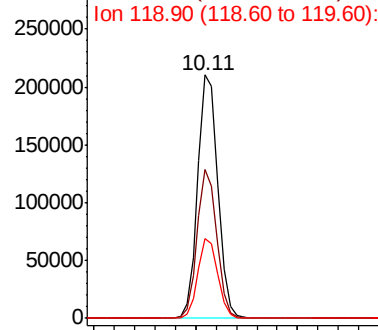
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008781.D
Acq: 09 Apr 2019 19:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 288808
Ion Ratio Lower Upper
117 100
82 61.1 49.6 74.4
119 32.8 25.0 37.4

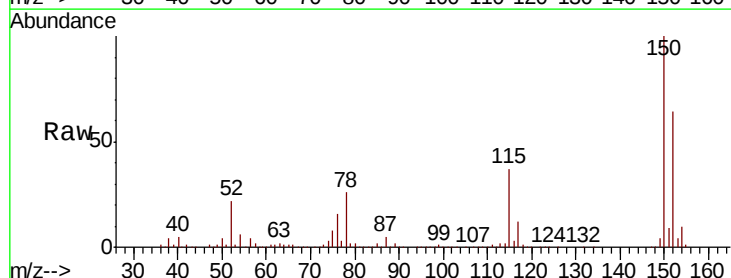


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

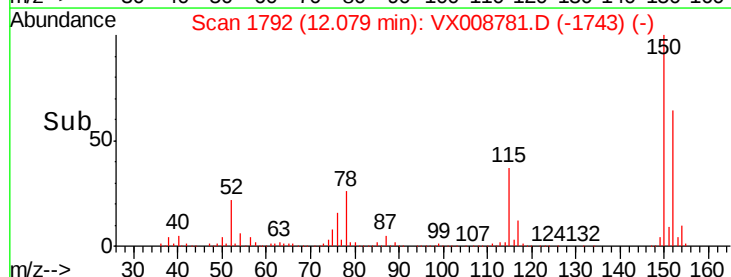
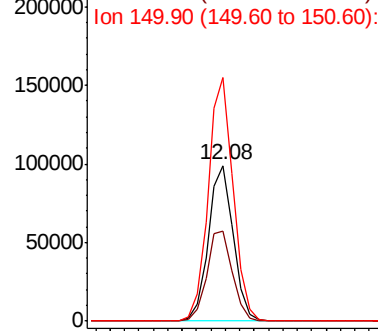


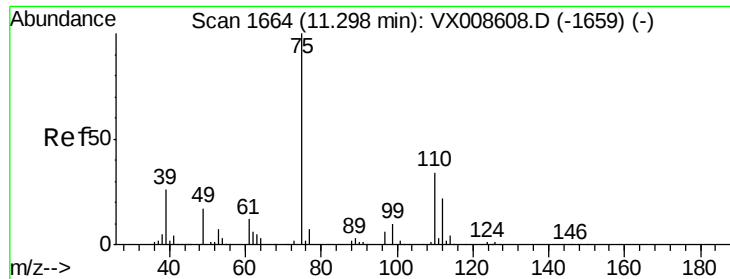
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008781.D
Acq: 09 Apr 2019 19:19

Tgt Ion:152 Resp: 119301
Ion Ratio Lower Upper
152 100
115 59.9 43.5 130.5
150 156.7 0.0 348.8



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: 21.410 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008781.D

Acq: 09 Apr 2019 19:19

Instrument :

MSVOA_X

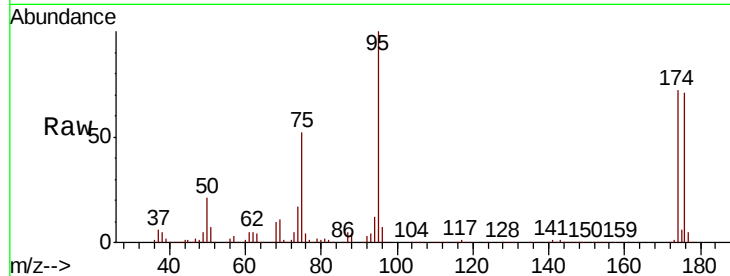
ClientSampleId :

Tot Ion: 75 Resp: 70167

Ion Ratio Lower Upper

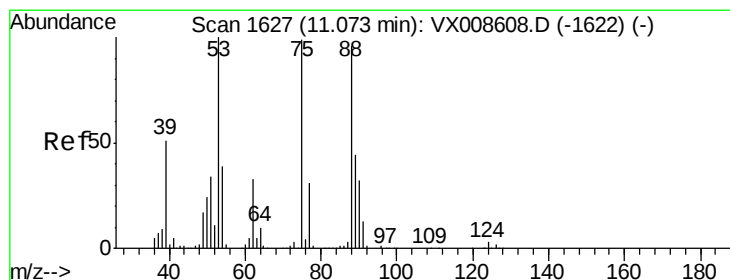
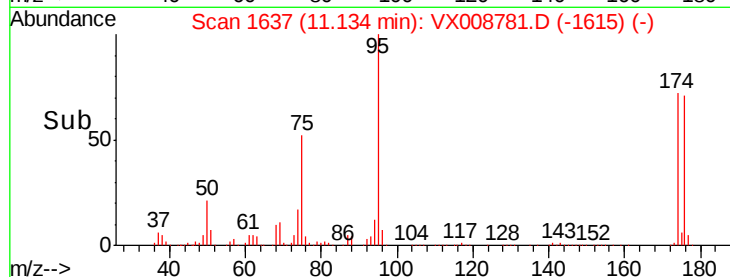
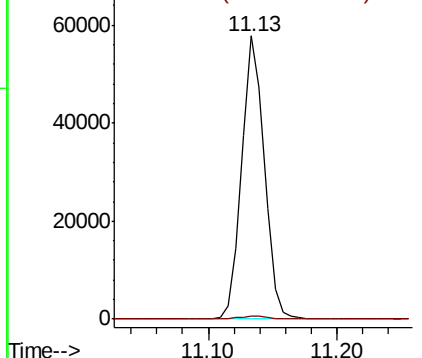
75 100

77 1.4 22.3 66.8#



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: 59.017 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008781.D

Acq: 09 Apr 2019 19:19

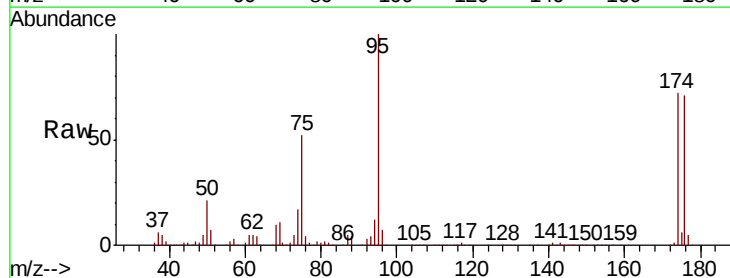
Tgt Ion: 75 Resp: 70167

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

