

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040119\
 Data File : VX008568.D
 Acq On : 01 Apr 2019 15:00
 Operator : JC/SP
 Sample : K2189-06RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 01:11:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	231922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387872	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139989	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	161395	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	
35) Dibromofluoromethane	5.49	113	118246	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
50) Toluene-d8	8.71	98	486969	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	11.13	95	164181	43.81	ug/l	0.00
Spiked Amount			Recovery	=	87.62%	

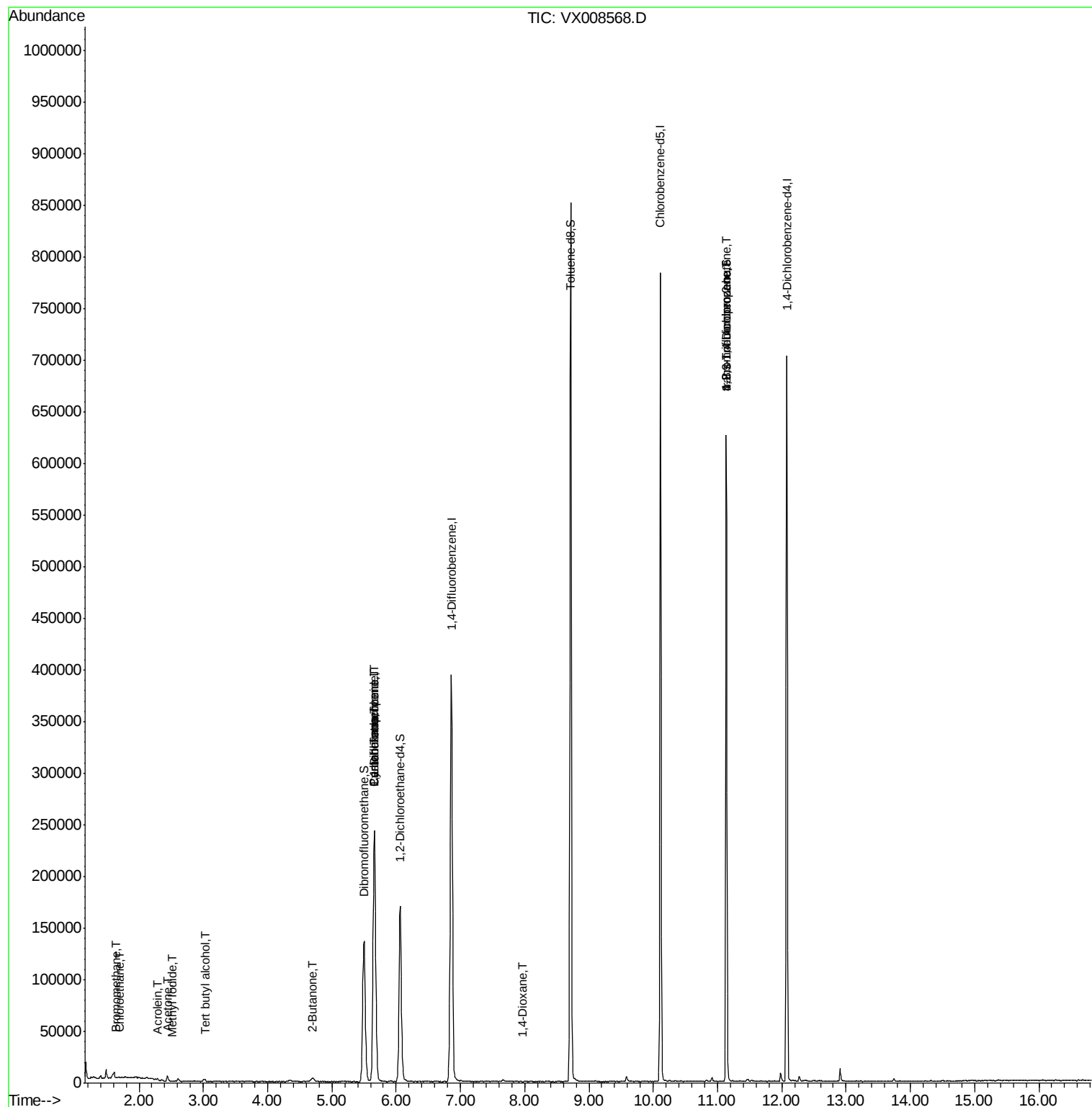
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	670	Below Cal		90
5) Bromomethane	1.64	94	385	1.993	ug/l #	73
6) Chloroethane	1.71	64	610	0.270	ug/l	91
10) Methyl Iodide	2.51	142	44	4.145	ug/l #	42
11) Tert butyl alcohol	3.03	59	1625	2.086	ug/l #	79
13) Acrolein	2.29	56	182	0.322	ug/l #	29
16) Acetone	2.44	43	5107	2.779	ug/l	98
17) Carbon Disulfide	2.57	76	940	Below Cal	#	77
20) Methylene Chloride	2.87	84	250	Below Cal	#	75
21) trans-1,2-Dichloroethene	2.92	96	19	Below Cal	#	1
25) 2-Butanone	4.70	43	1852	0.629	ug/l #	86
31) Cyclohexane	5.66	56	5548	0.984	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19785	4.784	ug/l #	51
38) Carbon Tetrachloride	5.66	117	22515	6.524	ug/l #	15
49) 1,4-Dioxane	7.96	88	20	0.235	ug/l #	41
76) 1,2,3-Trichloropropane	11.13	75	83813	20.139	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	83813	64.502	ug/l #	9

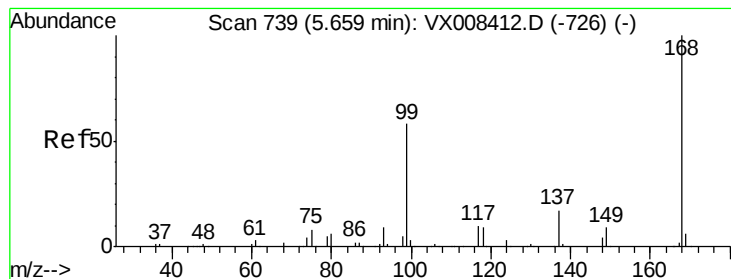
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
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: VX008568.D

Acq: 01 Apr 2019 15:00

Instrument :

MSVOA_X

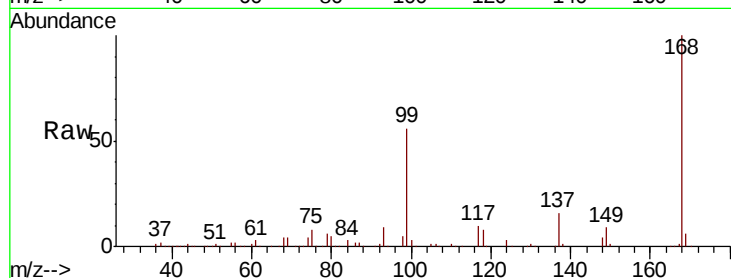
ClientSampleId :

Tot Ion:168 Resp: 231922

Ion Ratio Lower Upper

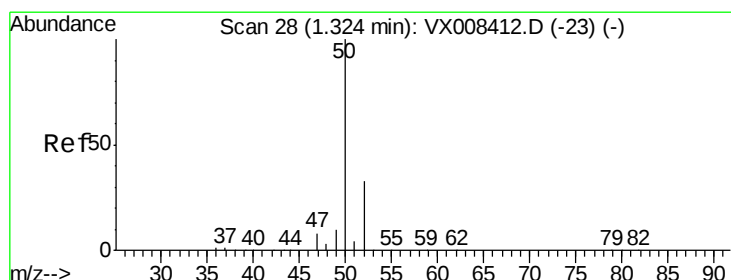
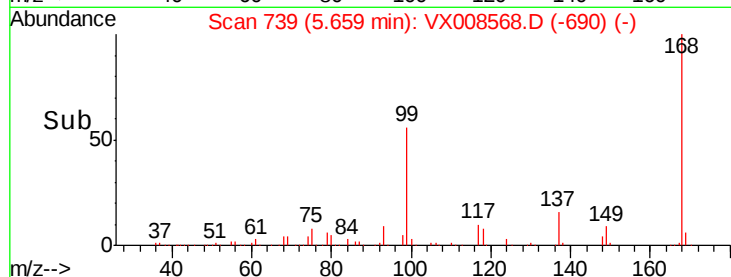
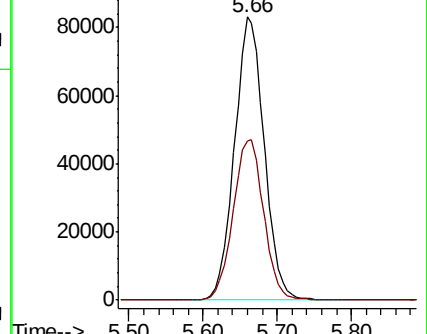
168 100

99 56.5 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008568.D

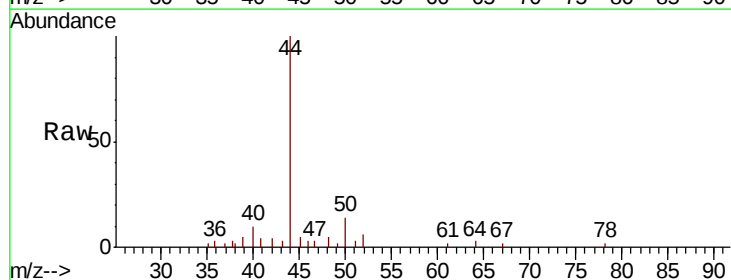
Acq: 01 Apr 2019 15:00

Tgt Ion: 50 Resp: 670

Ion Ratio Lower Upper

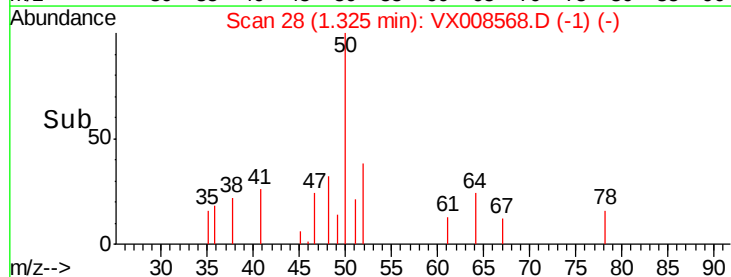
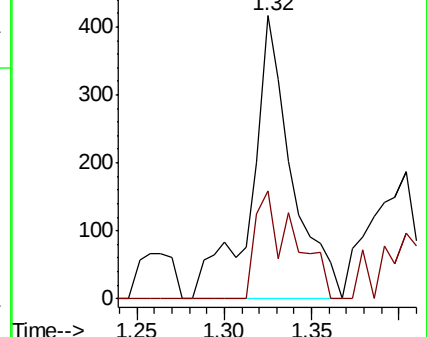
50 100

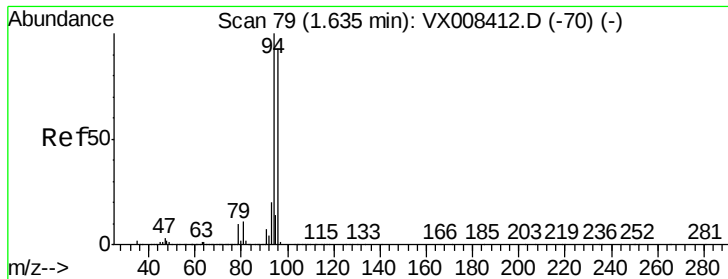
52 38.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.993 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008568.D

Acq: 01 Apr 2019 15:00

Instrument :

MSVOA_X

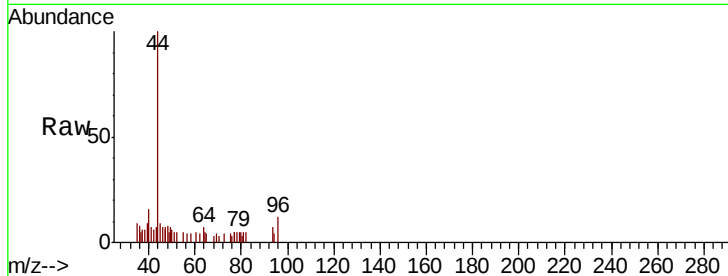
ClientSampled :

Tot Ion: 94 Resp: 385

Ion Ratio Lower Upper

94 100

96 67.2 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

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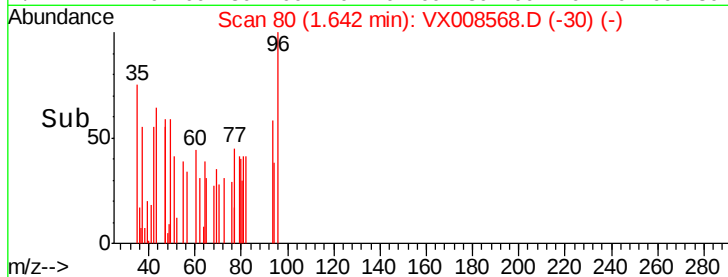
1.64

1.64

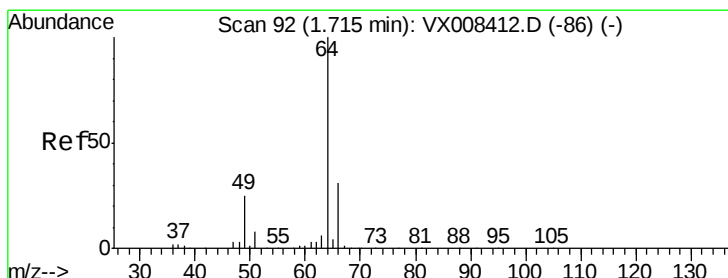
1.64

1.64

1.64



Time-->



#6

Chloroethane

Concen: 0.270 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008568.D

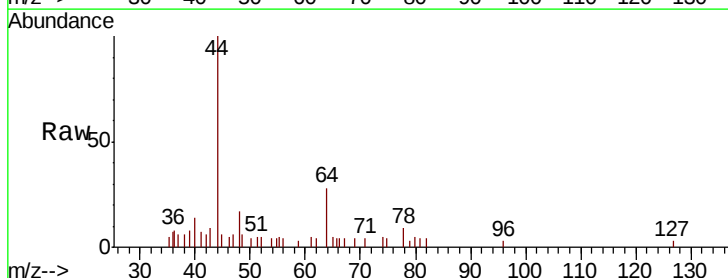
Acq: 01 Apr 2019 15:00

Tgt Ion: 64 Resp: 610

Ion Ratio Lower Upper

64 100

66 36.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

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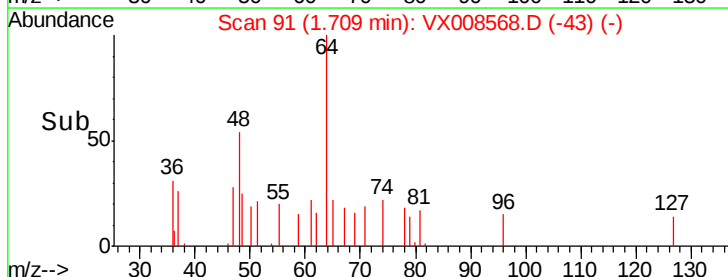
1.71

1.71

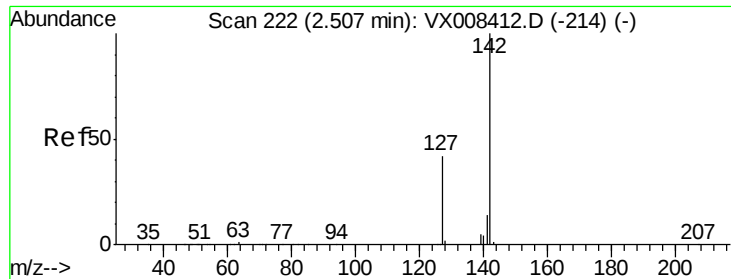
1.71

1.71

1.71



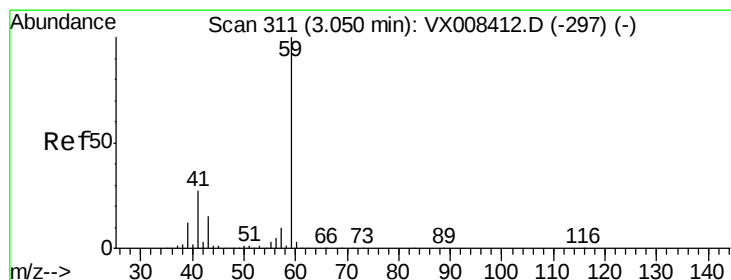
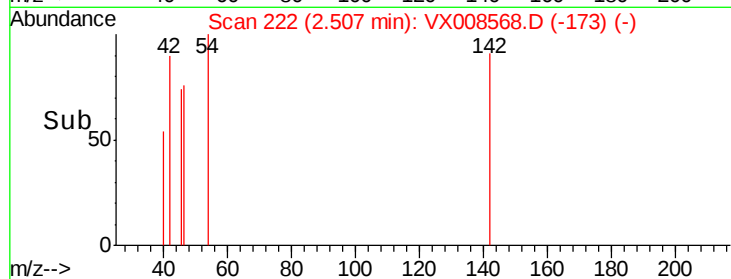
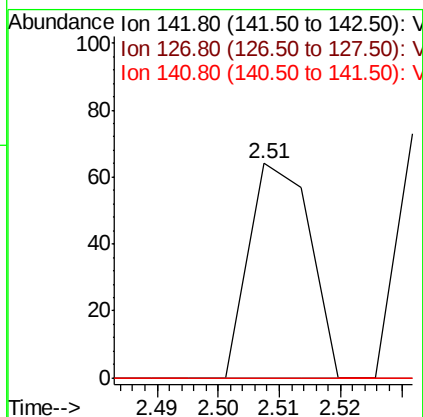
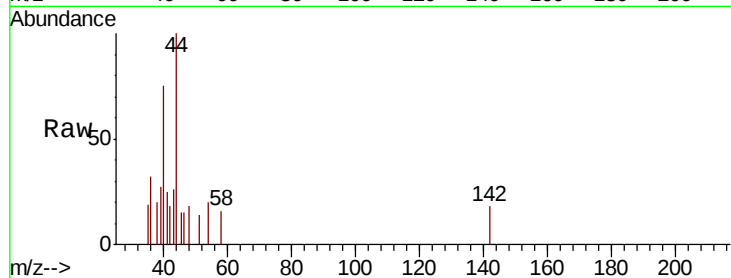
Time-->



#10
Methvl Iodide
Concen: 4.145 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008568.D
Acq: 01 Apr 2019 15:00

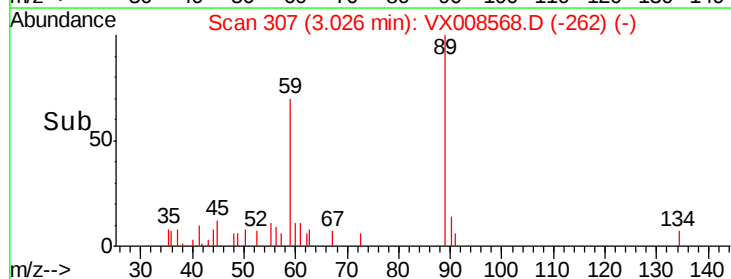
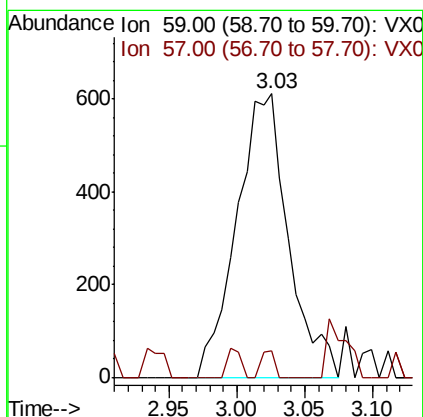
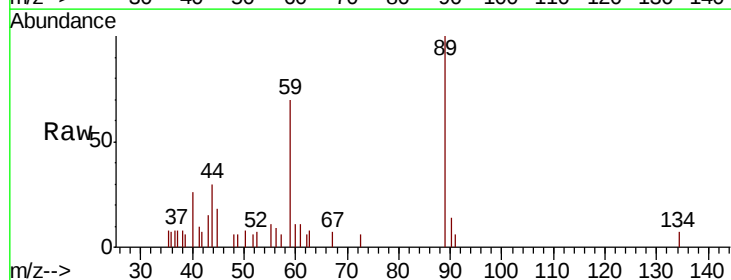
Instrument :
MSVOA_X
ClientSampleId :

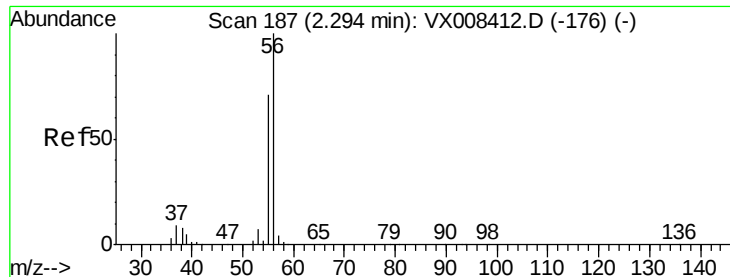
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.6	50.4#
141	0.0	11.3	16.9#



#11
Tert butyl alcohol
Concen: 2.086 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX008568.D
Acq: 01 Apr 2019 15:00

Tgt Ion	Ratio	Lower	Upper
59	100		
57	2.5	8.2	12.4#





#13

Acrolein

Concen: 0.322 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008568.D

Acq: 01 Apr 2019 15:00

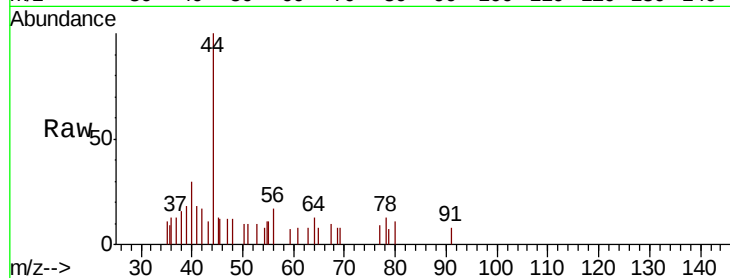
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 182

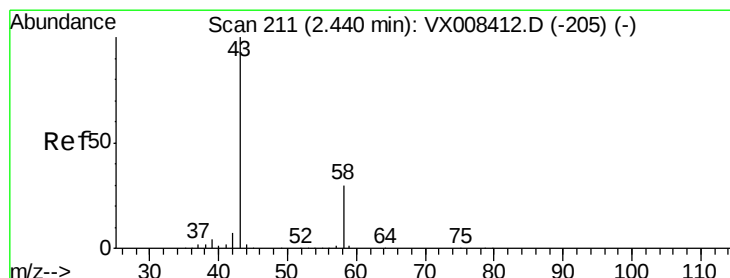
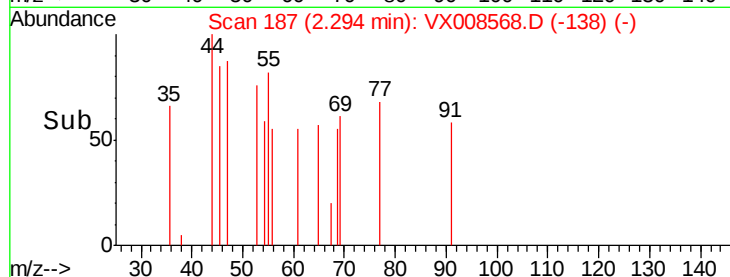
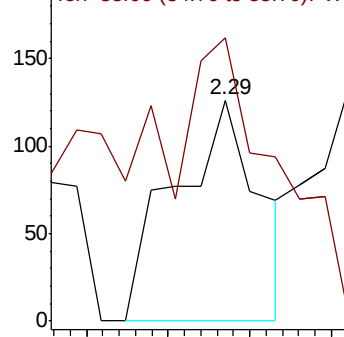
Ion Ratio Lower Upper

56 100

55 129.1 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.779 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008568.D

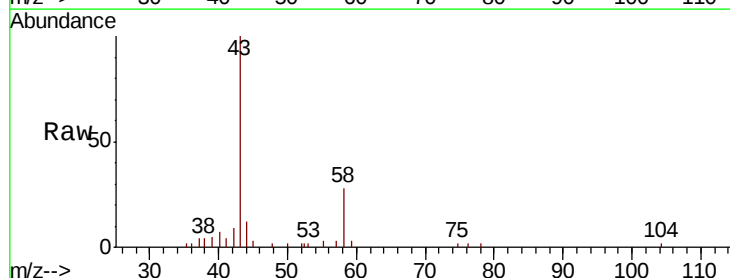
Acq: 01 Apr 2019 15:00

Tgt Ion: 43 Resp: 5107

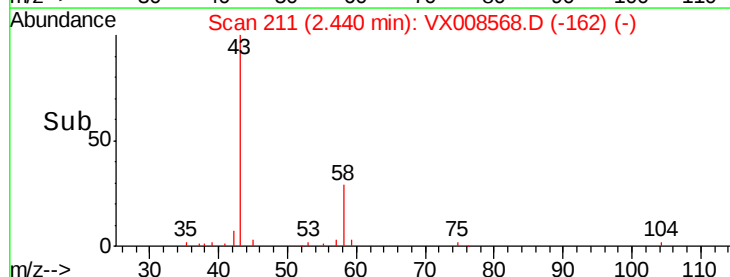
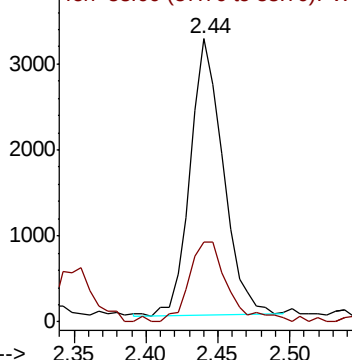
Ion Ratio Lower Upper

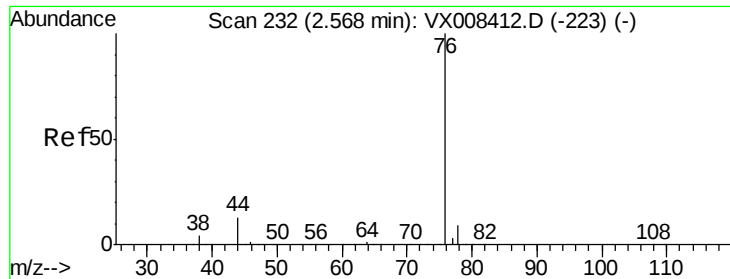
43 100

58 28.8 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008568.D

Acq: 01 Apr 2019 15:00

Instrument :

MSVOA_X

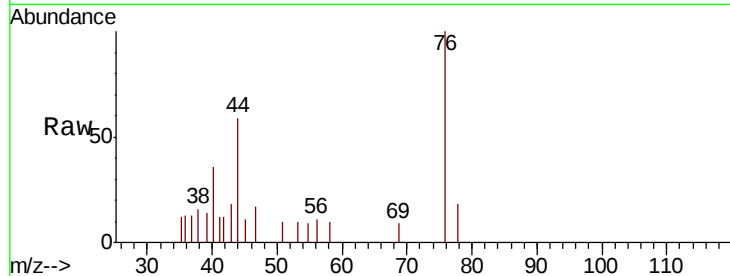
ClientSampleId :

Tot Ion: 76 Resp: 940

Ion Ratio Lower Upper

76 100

78 17.8 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

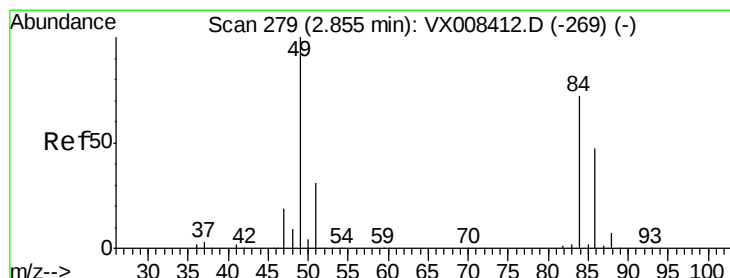
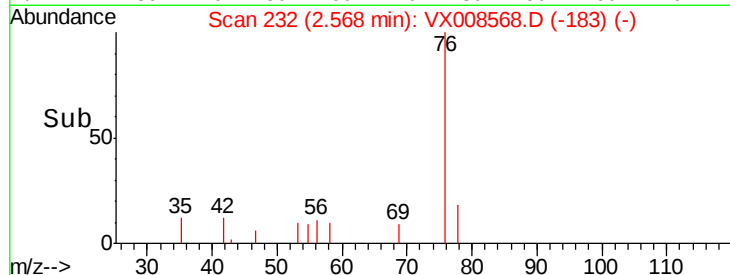
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX008568.D

Acq: 01 Apr 2019 15:00

Tgt Ion: 84 Resp: 250

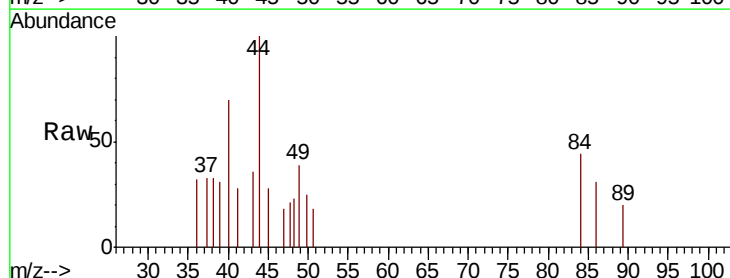
Ion Ratio Lower Upper

84 100

49 88.8 110.6 165.8#

51 40.0 33.9 50.9

86 69.6 52.2 78.2



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

300

250

200

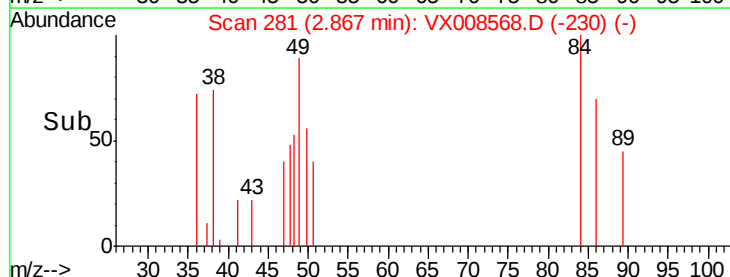
150

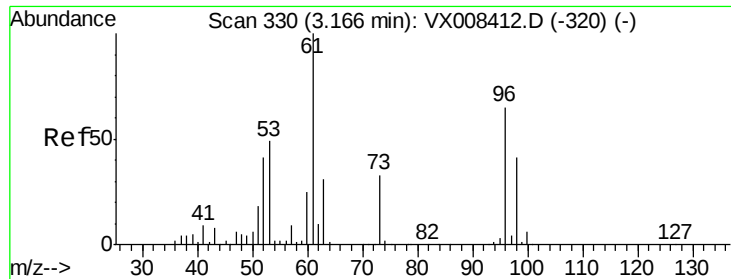
100

50

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.92 min Scan# 290

Delta R.T. -0.24 min

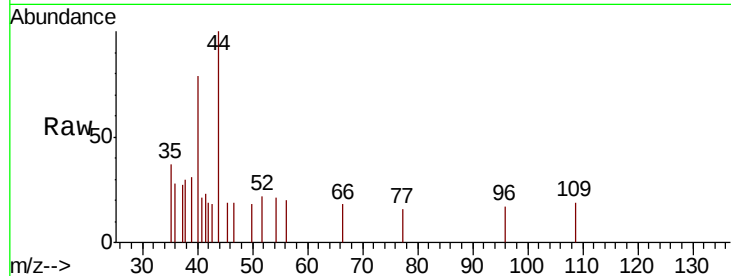
Lab File: VX008568.D

Acq: 01 Apr 2019 15:00

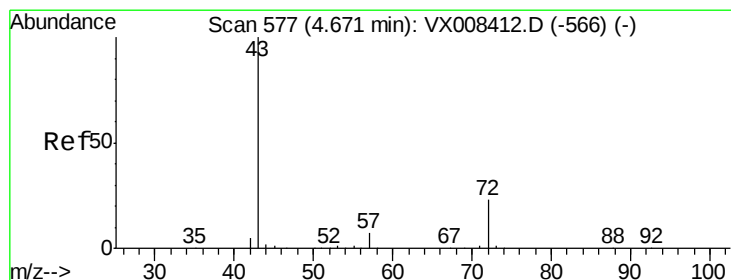
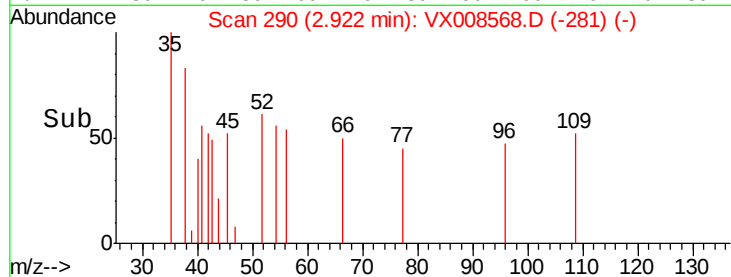
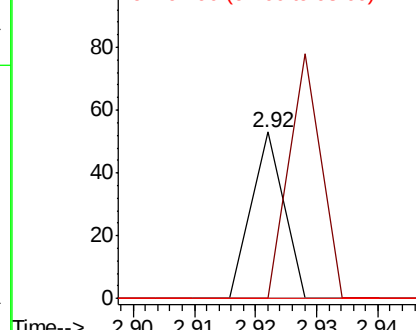
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 19

Ion	Ratio	Lower	Upper
96	100		
61	0.0	122.6	184.0#
98	0.0	50.9	76.3#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.629 ug/l

RT: 4.70 min Scan# 581

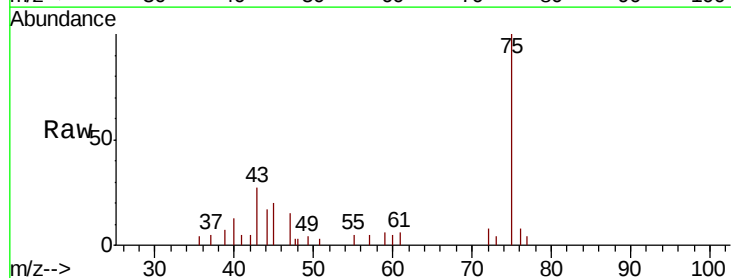
Delta R.T. 0.02 min

Lab File: VX008568.D

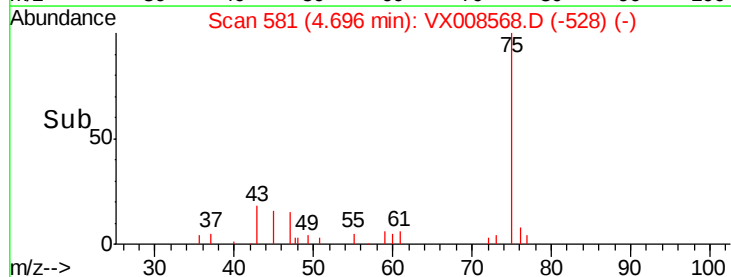
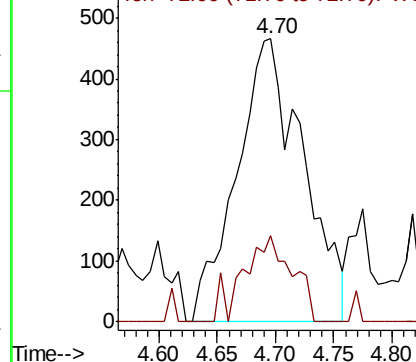
Acq: 01 Apr 2019 15:00

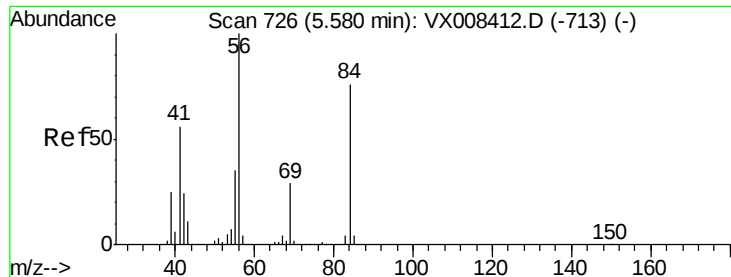
Tgt Ion: 43 Resp: 1852

Ion	Ratio	Lower	Upper
43	100		
72	30.3	18.6	28.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

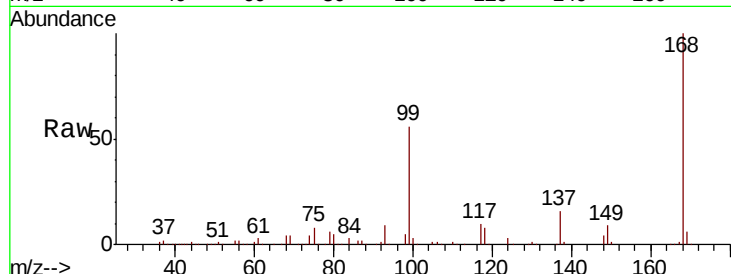




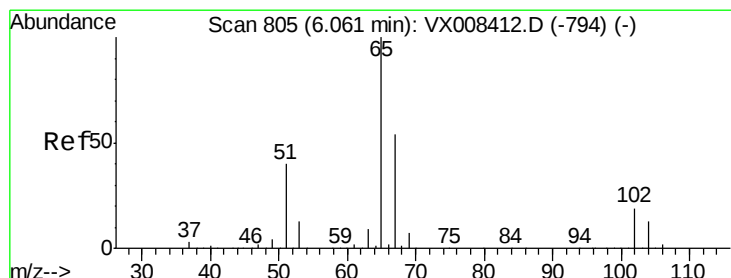
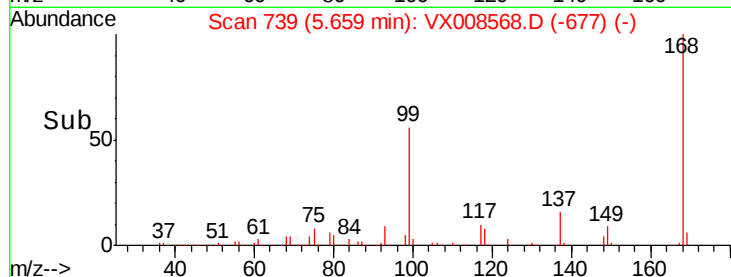
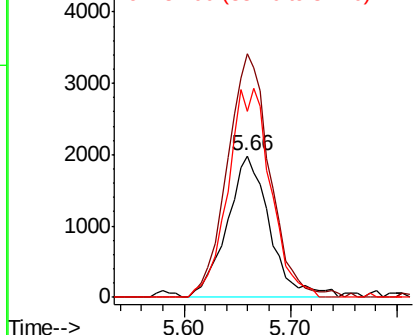
#31
Cyclohexane
Concen: 0.984 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008568.D
Acq: 01 Apr 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 5548
Ion Ratio Lower Upper
56 100
69 172.3 23.2 34.8#
84 131.3 60.7 91.1#

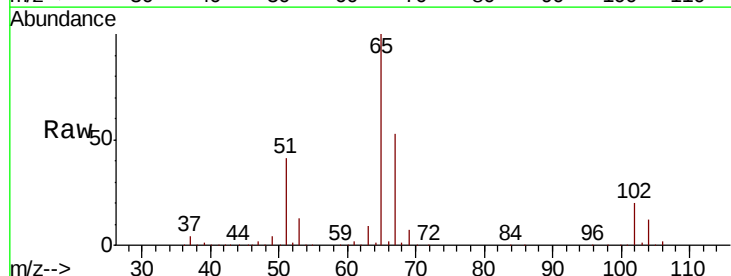


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

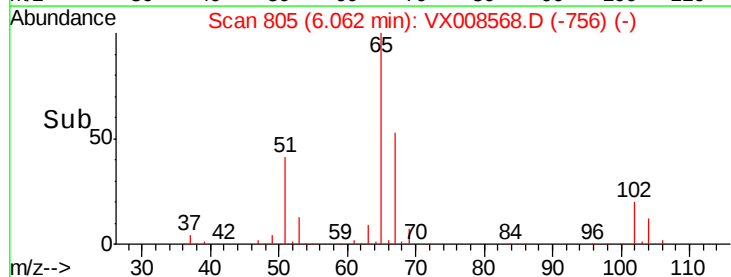
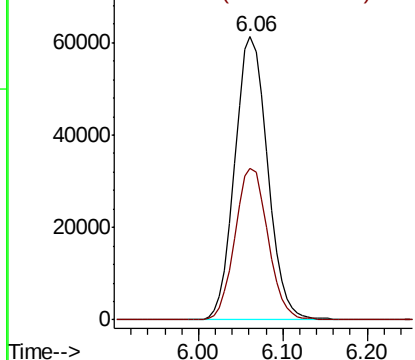


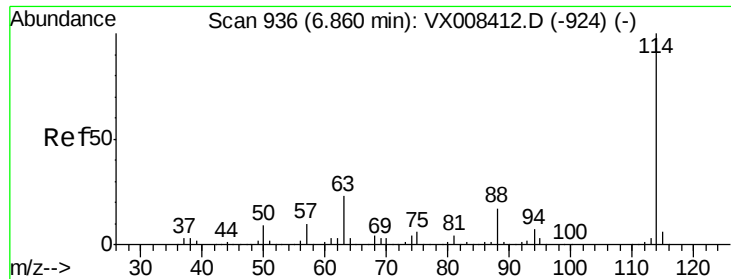
#33
1,2-Dichloroethane-d4
Concen: 45.903 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX008568.D
Acq: 01 Apr 2019 15:00

Tgt Ion: 65 Resp: 161395
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.4



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

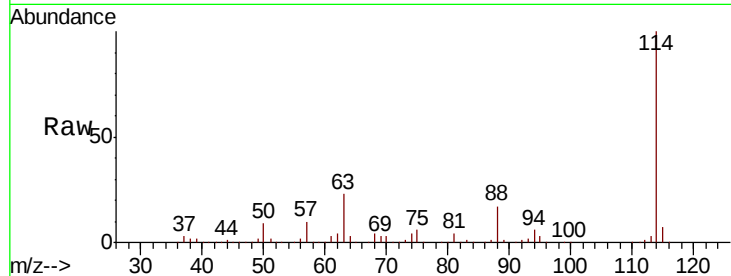




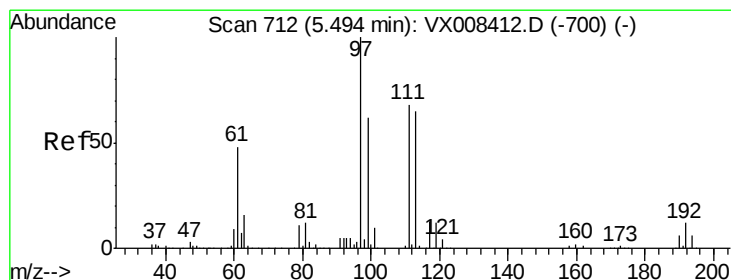
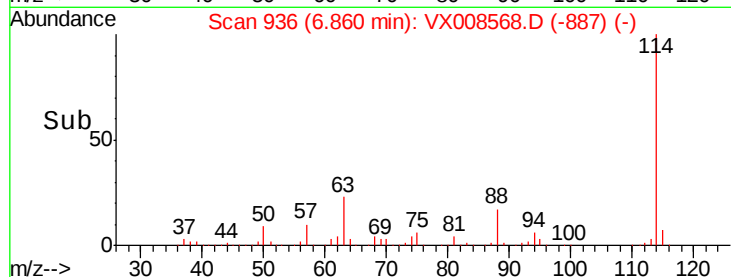
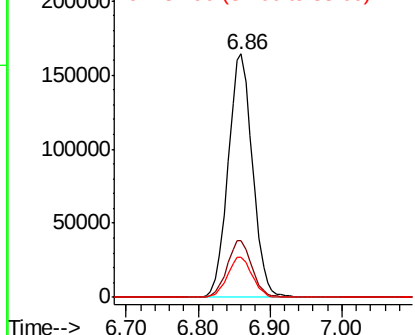
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX008568.D
Acq: 01 Apr 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 387872
Ion Ratio Lower Upper
114 100
63 23.2 0.0 46.4
88 16.5 0.0 33.2

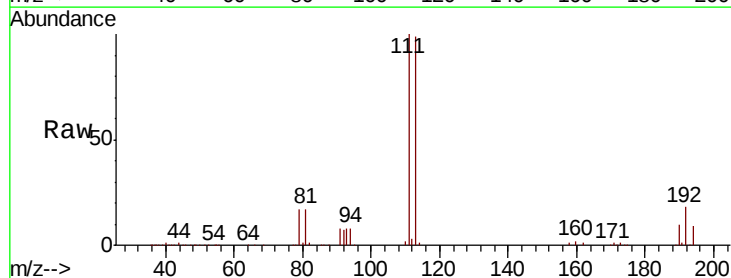


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

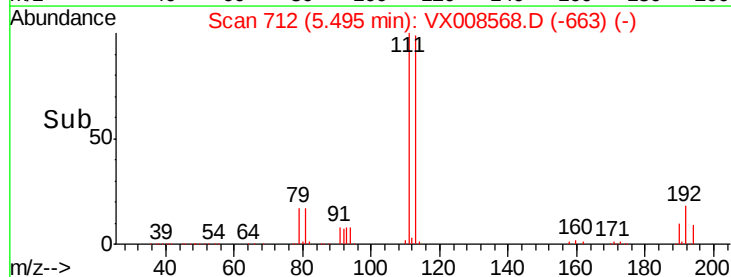
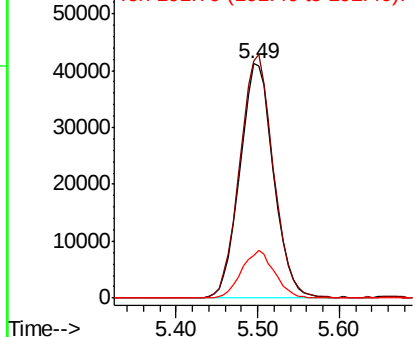


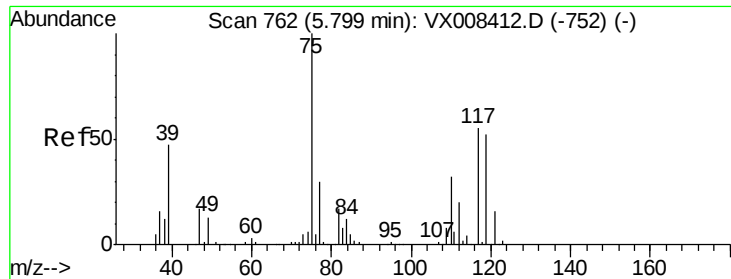
#35
Dibromofluoromethane
Concen: 46.754 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX008568.D
Acq: 01 Apr 2019 15:00

Tgt Ion:113 Resp: 118246
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.4
192 19.8 15.6 23.4



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

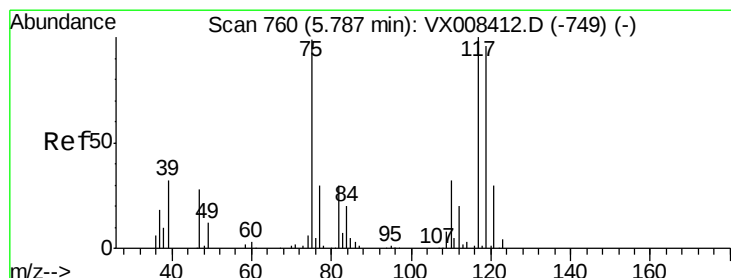
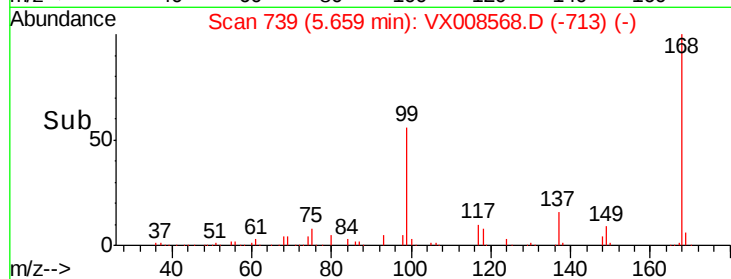
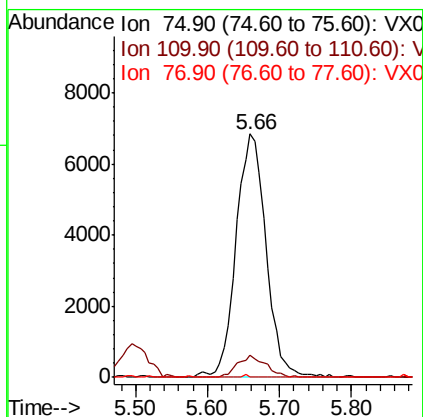
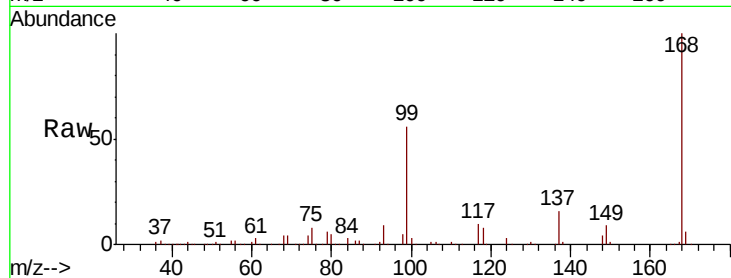




#36
 1,1-Dichloropropene
 Concen: 4.784 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008568.D
 Acq: 01 Apr 2019 15:00

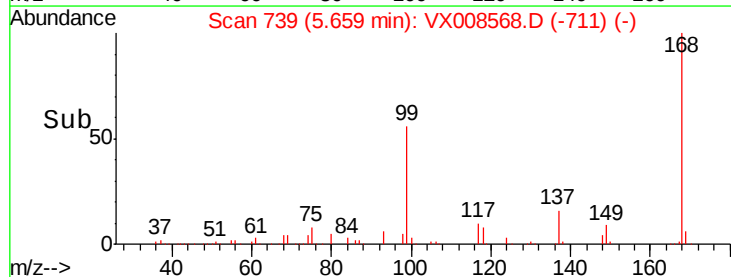
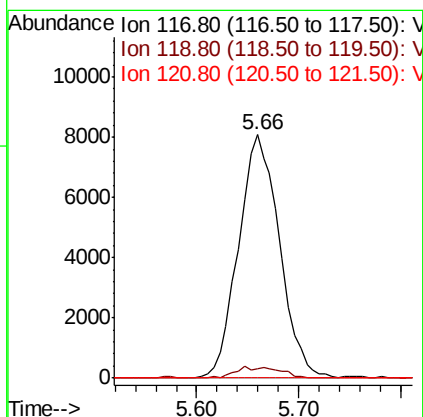
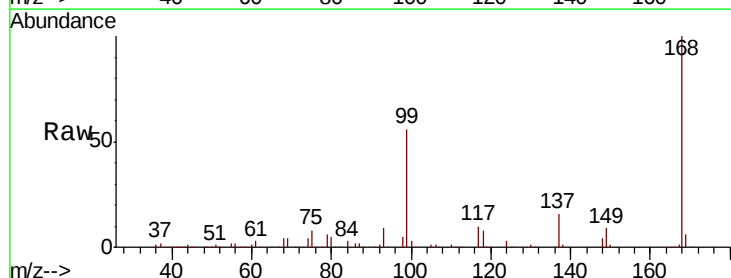
Instrument :
 MSVOA_X
 ClientSampleId :

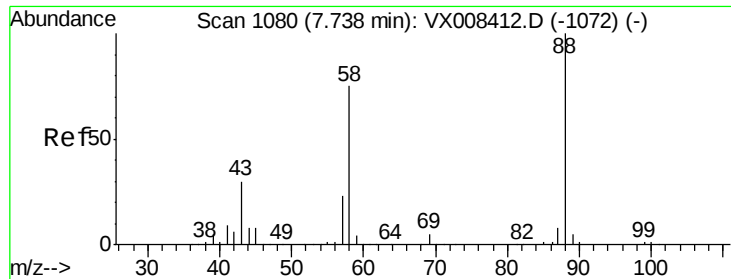
Tot Ion	75	Resp	19785
Ion Ratio	100	Lower	Upper
75	100		
110	8.7	16.6	49.7#
77	0.1	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.524 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008568.D
 Acq: 01 Apr 2019 15:00

Tgt Ion	117	Resp	22515
Ion Ratio	100	Lower	Upper
117	100		
119	4.0	76.7	115.1#
121	0.0	24.3	36.5#





#49

1,4-Dioxane

Concen: 0.235 ug/l

RT: 7.96 min Scan# 1117

Delta R.T. 0.23 min

Lab File: VX008568.D

Acq: 01 Apr 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

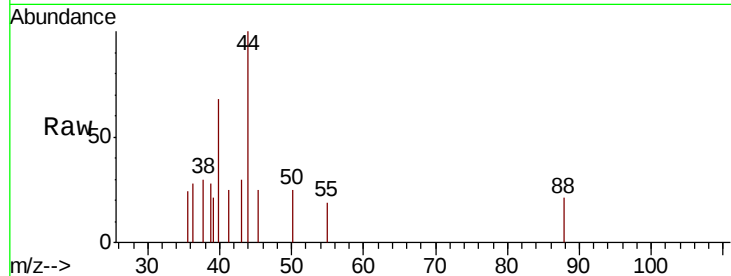
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 28.6 43.0#

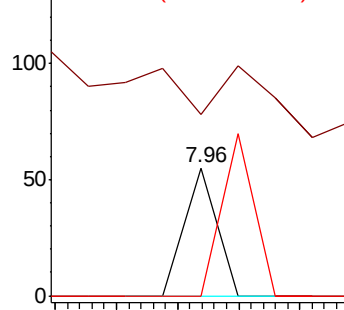
58 130.0 63.0 94.4#



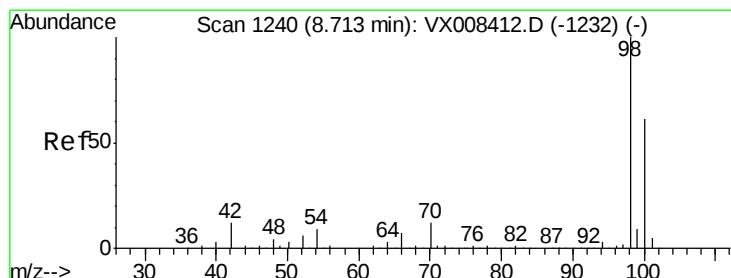
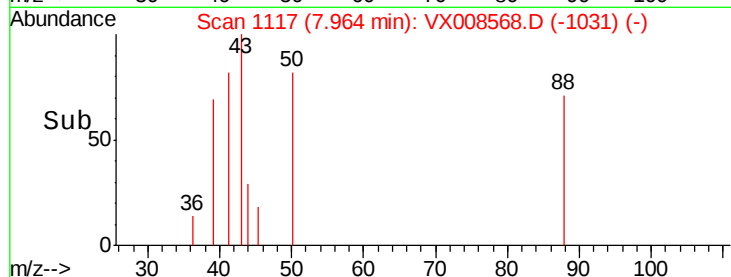
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 48.153 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008568.D

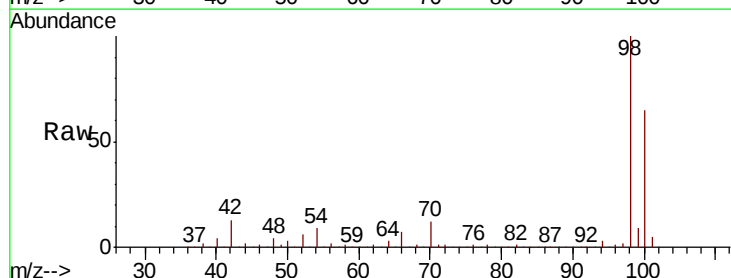
Acq: 01 Apr 2019 15:00

Tgt Ion: 98 Resp: 486969

Ion Ratio Lower Upper

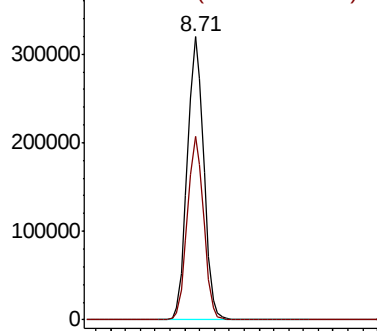
98 100

100 64.2 51.1 76.7

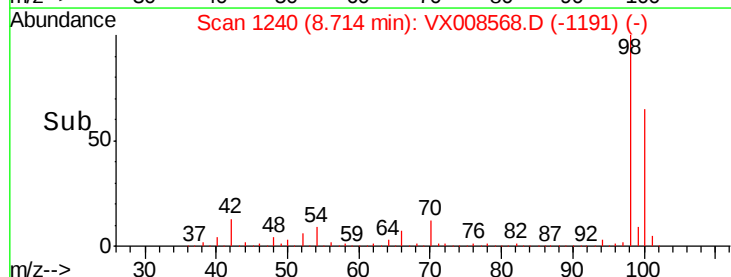


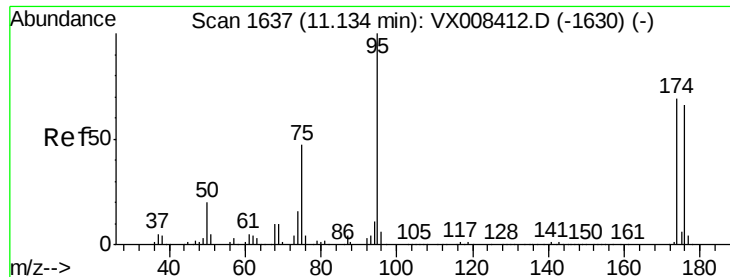
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#62

4-Bromofluorobenzene

Concen: 43.811 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008568.D

Acq: 01 Apr 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

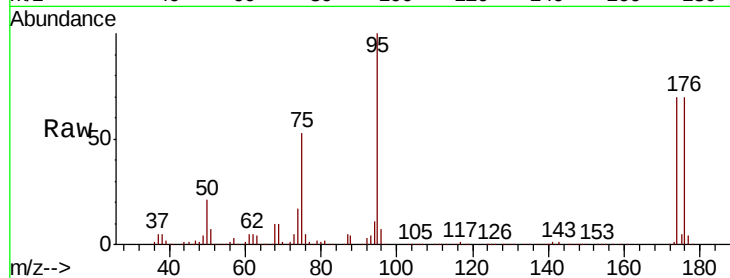
Tot Ion: 95 Resp: 164181

Ion Ratio Lower Upper

95 100

174 74.9 0.0 147.2

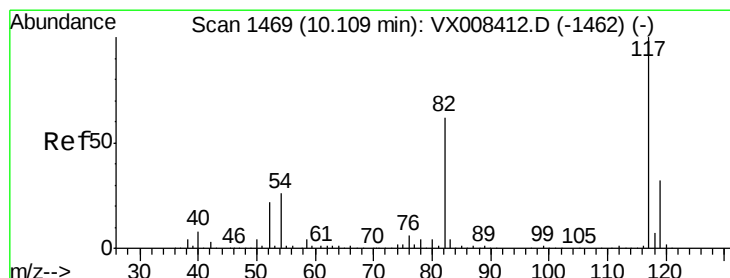
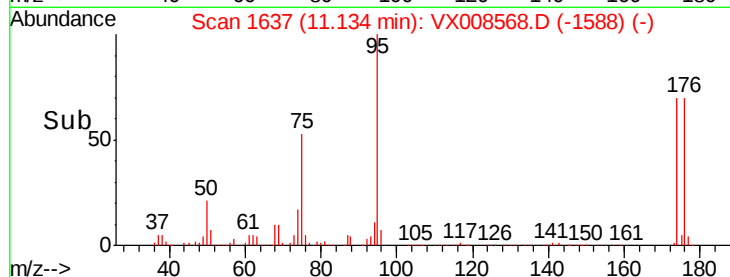
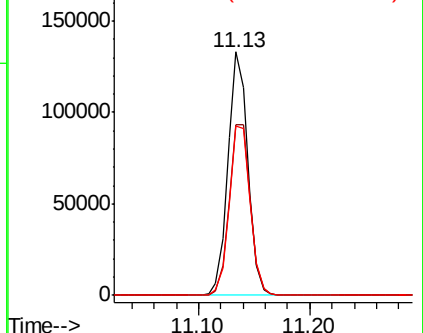
176 73.2 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX008412.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008412.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008412.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008568.D

Acq: 01 Apr 2019 15:00

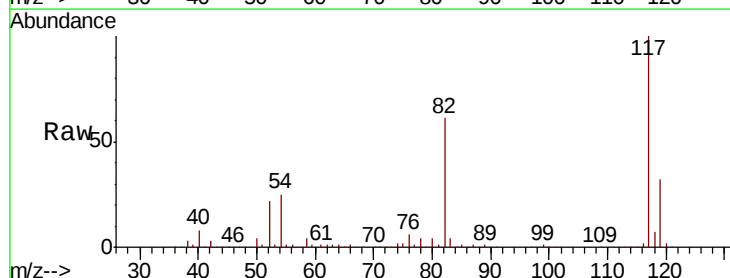
Tgt Ion: 117 Resp: 337429

Ion Ratio Lower Upper

117 100

82 60.6 49.4 74.2

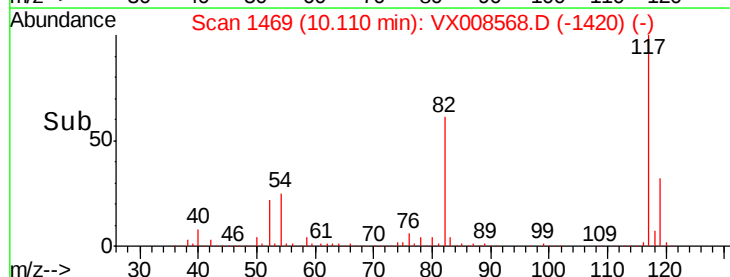
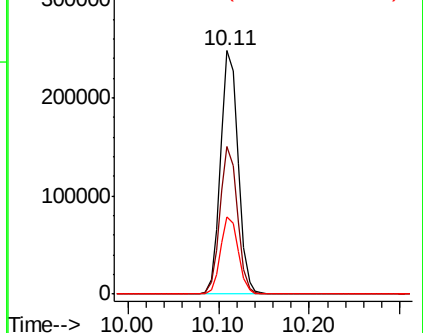
119 31.7 25.4 38.0

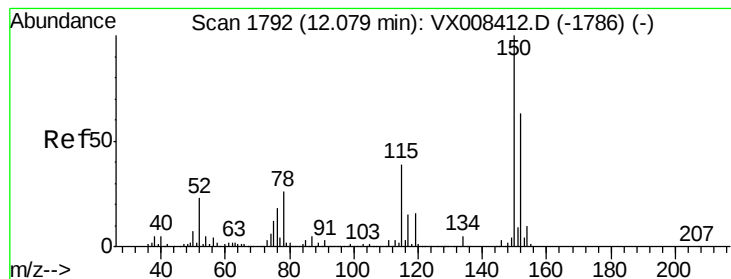


Abundance Ion 116.90 (116.60 to 117.60): VX008412.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008412.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008412.D (-1462) (-)



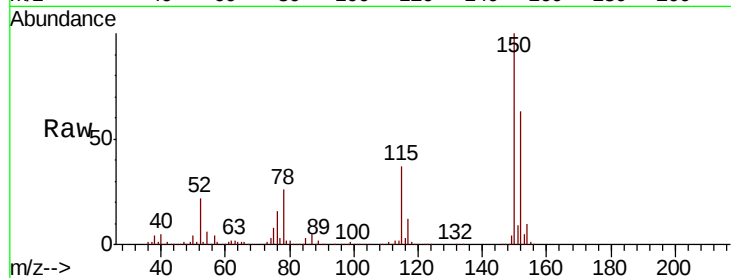


#72

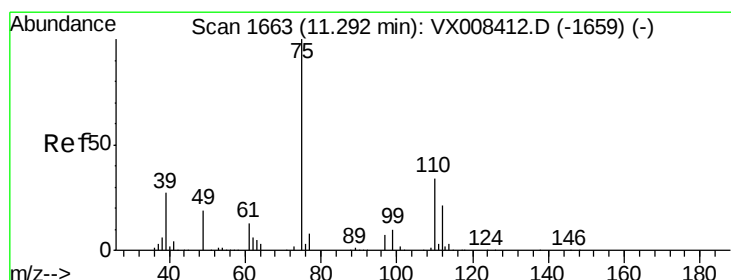
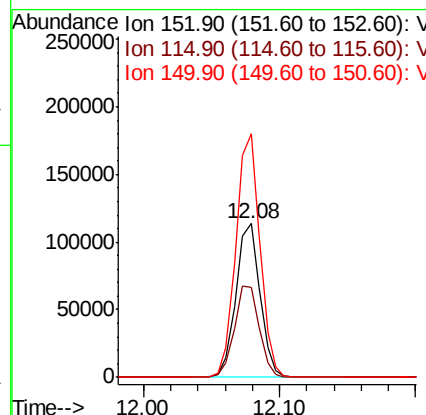
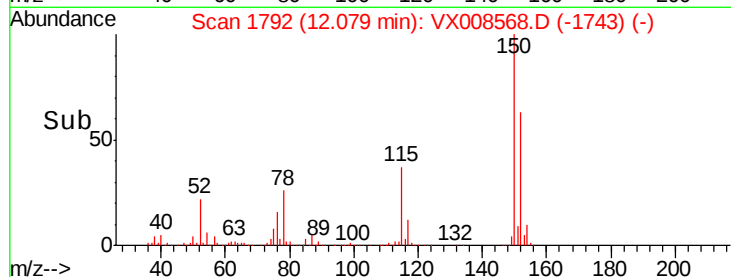
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008568.D
Acq: 01 Apr 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.6	43.5	130.5
150	158.1	0.0	348.8



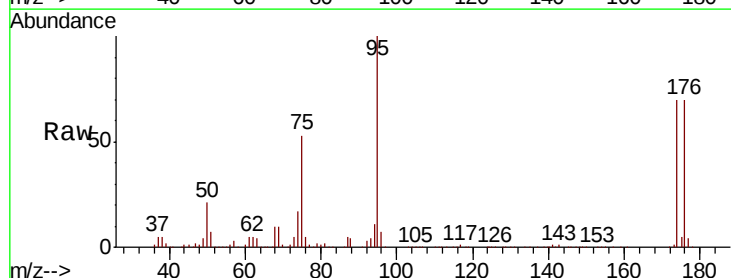
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



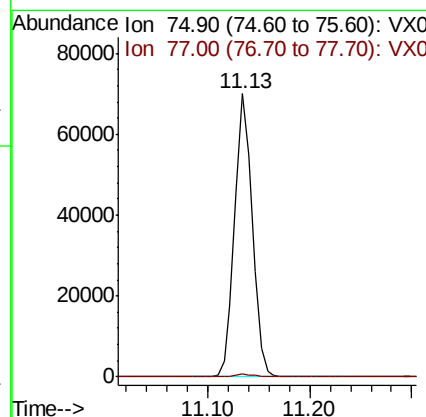
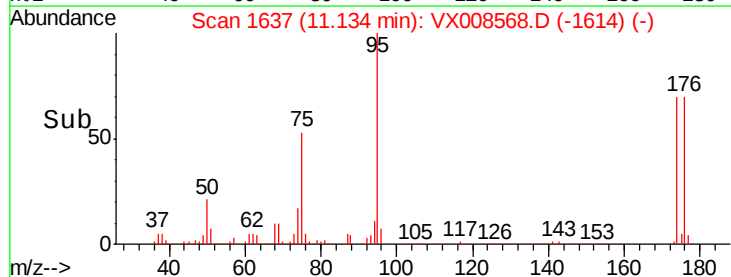
#76

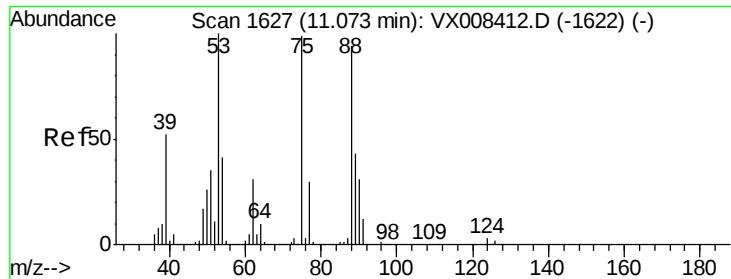
1,2,3-Trichloropropane
Concen: 20.139 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008568.D
Acq: 01 Apr 2019 15:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.9	65.7#



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: 64.502 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008568.D

Acq: 01 Apr 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

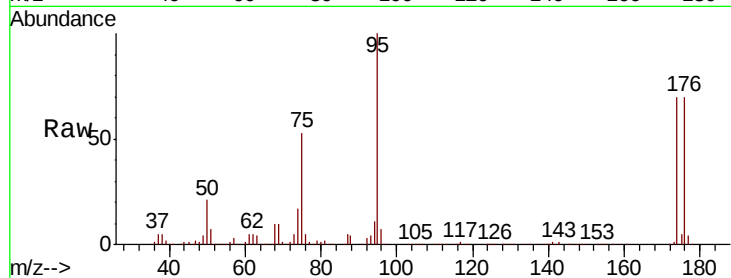
Tot Ion: 75 Resp: 83813

Ion Ratio Lower Upper

75 100

53 0.2 82.1 123.1#

89 0.0 34.6 52.0#



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

