

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009427.D
 Acq On : 09 May 2019 15:01
 Operator : JC/SP
 Sample : K2748-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:07:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	186955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	296389	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108685	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	120928	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
35) Dibromofluoromethane	5.50	113	90554	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	8.71	98	371879	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.13	95	120153	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	

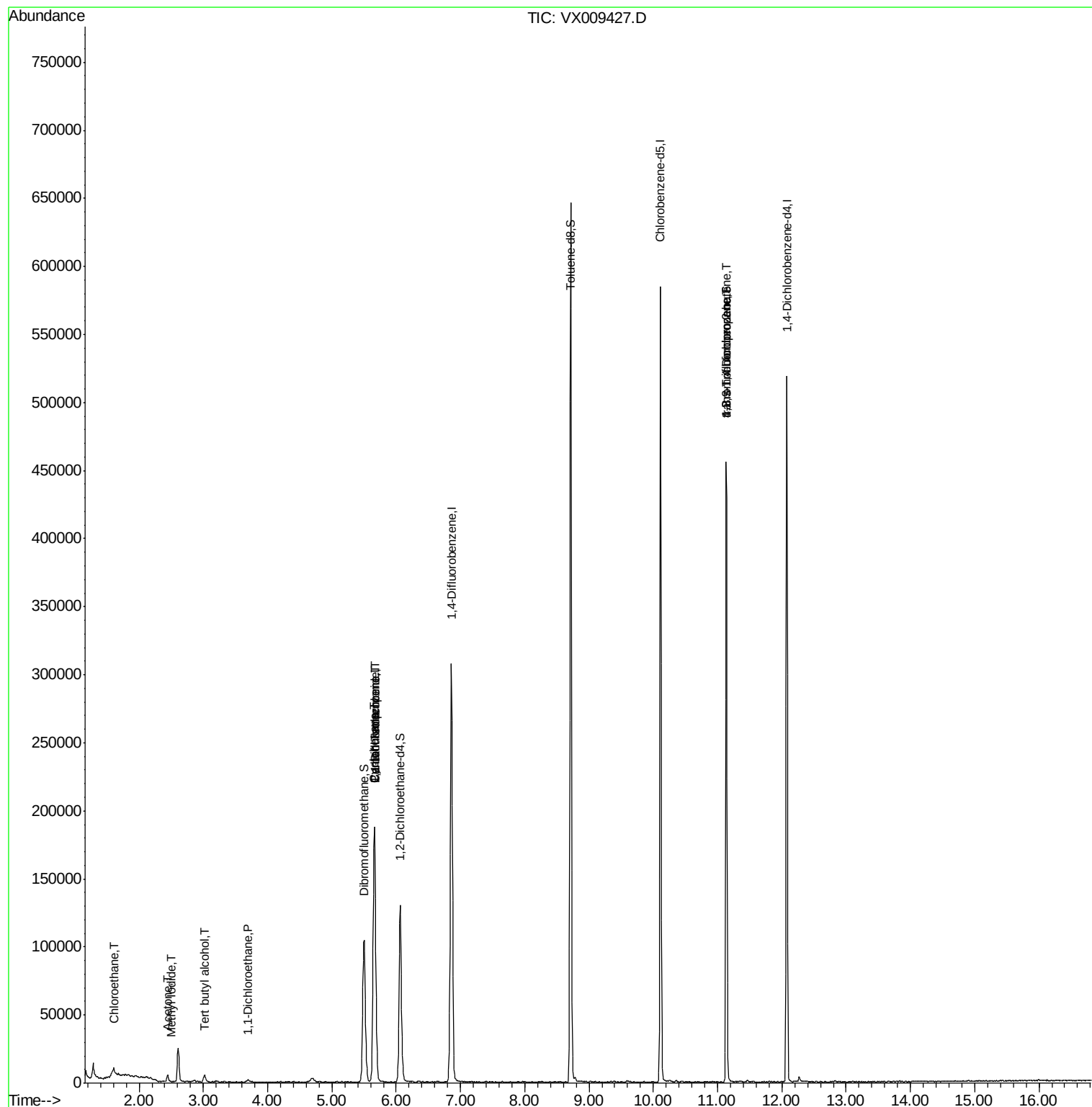
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.62	64	10476	7.114	ug/l #	50
10) Methyl Iodide	2.51	142	18	4.602	ug/l #	42
11) Tert butyl alcohol	3.01	59	3355	5.679	ug/l #	74
16) Acetone	2.44	43	5031	3.671	ug/l	93
24) 1,1-Dichloroethane	3.70	63	1680	0.414	ug/l #	88
28) Bromochloromethane	4.99	49	24	Below Cal	#	20
31) Cyclohexane	5.65	56	3837	1.017	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13922	5.054	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17153	6.854	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	61518	24.401	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61518	62.434	ug/l #	10

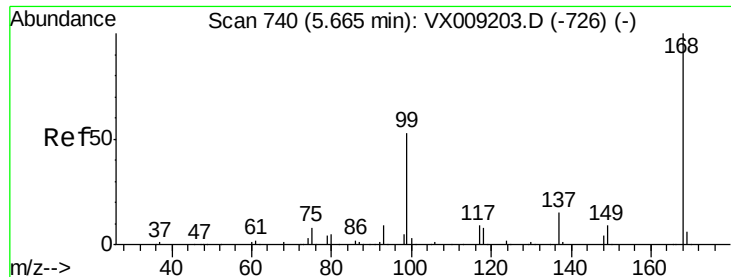
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050919\
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MSVOA_X
ClientSampled :

Quant Time: May 10 07:07:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009427.D

Acq: 09 May 2019 15:01

Instrument :

MSVOA_X

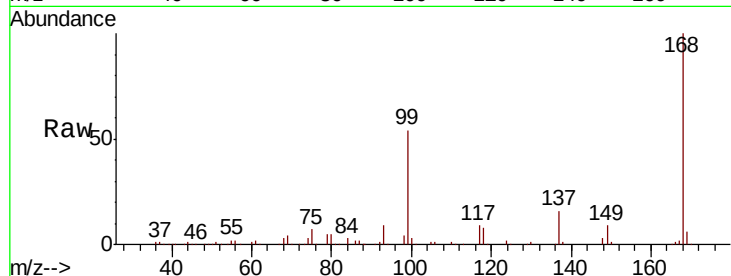
ClientSampleId :

Tot Ion:168 Resp: 186955

Ion Ratio Lower Upper

168 100

99 54.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

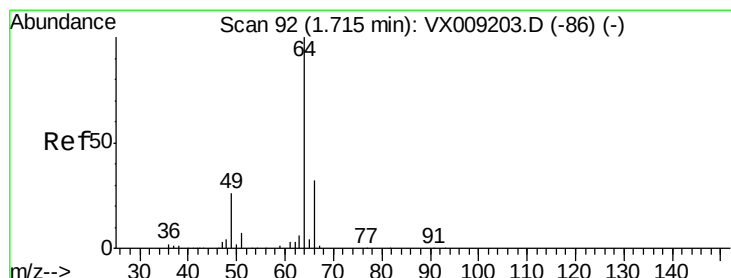
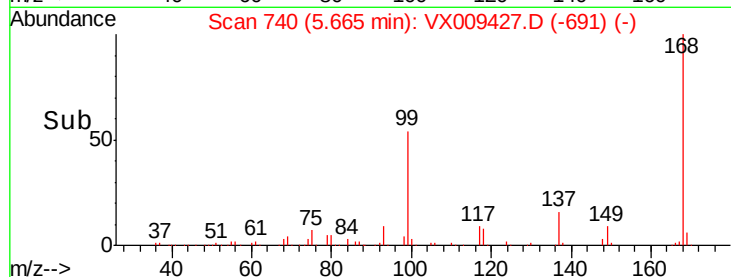
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#6

Chloroethane

Concen: 7.114 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.09 min

Lab File: VX009427.D

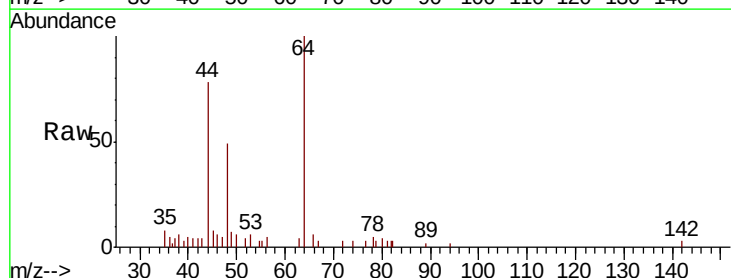
Acq: 09 May 2019 15:01

Tgt Ion: 64 Resp: 10476

Ion Ratio Lower Upper

64 100

66 3.8 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2500

2000

1500

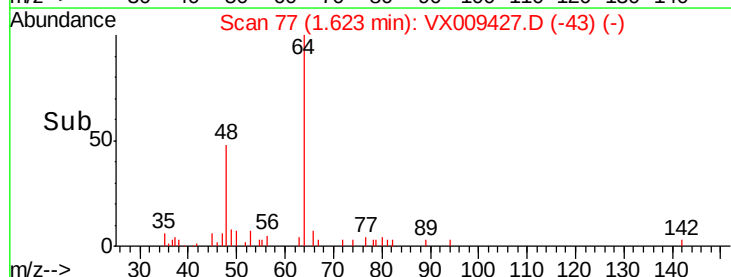
1000

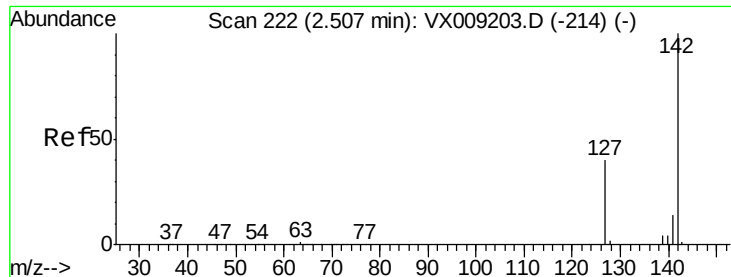
500

0

Time-->

1.40 1.50 1.60 1.70

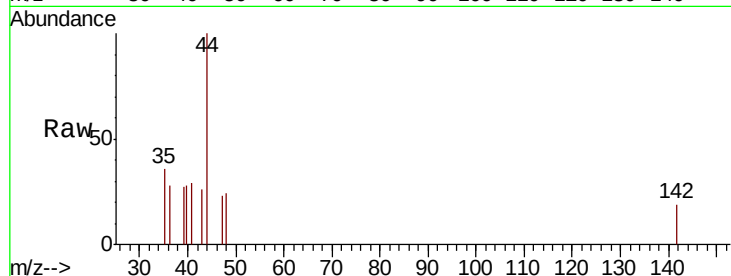




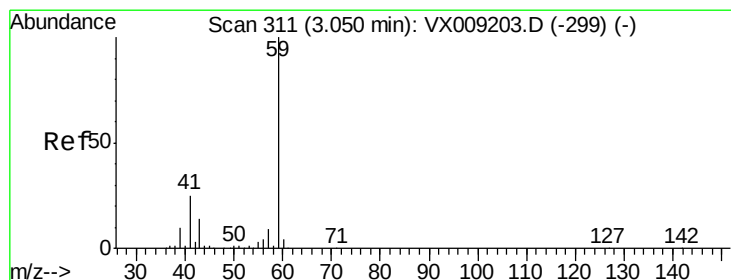
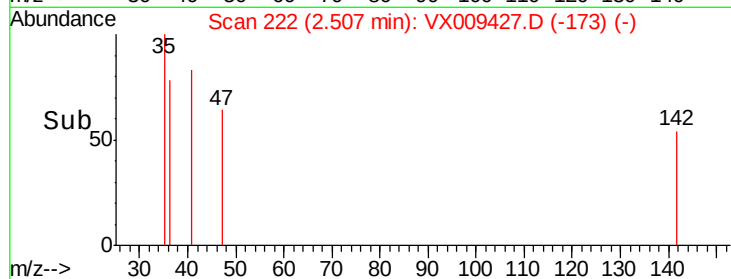
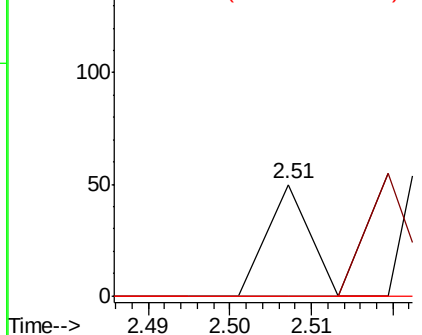
#10
Methvl Iodide
Concen: 4.602 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009427.D
Acq: 09 May 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 18
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

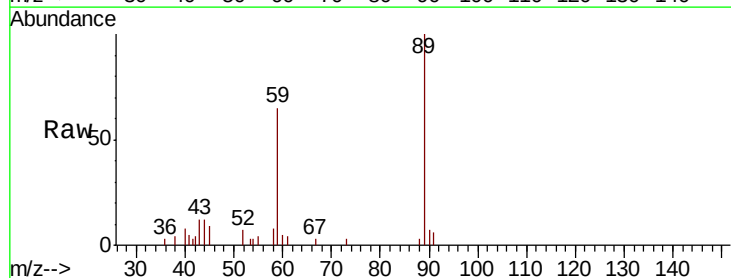


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

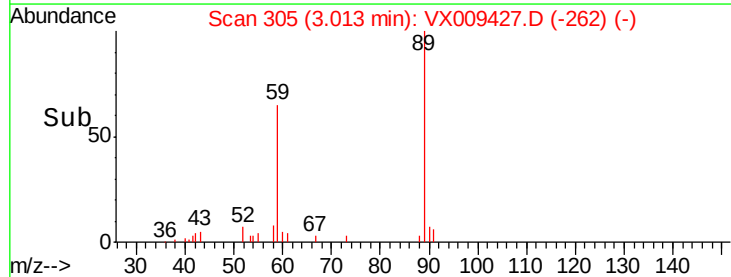
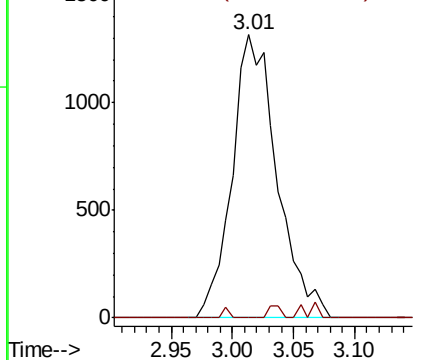


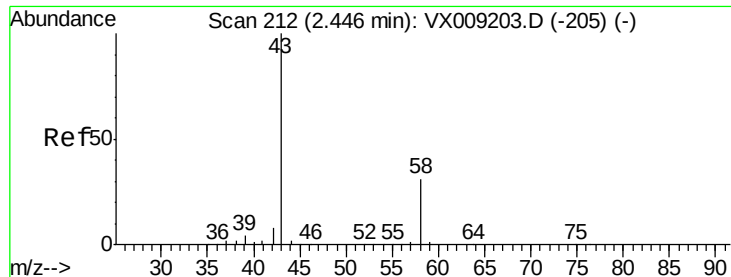
#11
Tert butyl alcohol
Concen: 5.679 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009427.D
Acq: 09 May 2019 15:01

Tgt Ion: 59 Resp: 3355
Ion Ratio Lower Upper
59 100
57 0.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.671 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009427.D

Acq: 09 May 2019 15:01

Instrument :

MSVOA_X

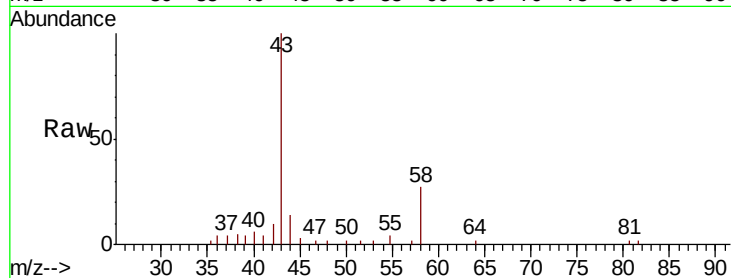
ClientSampleId :

Tot Ion: 43 Resp: 5031

Ion Ratio Lower Upper

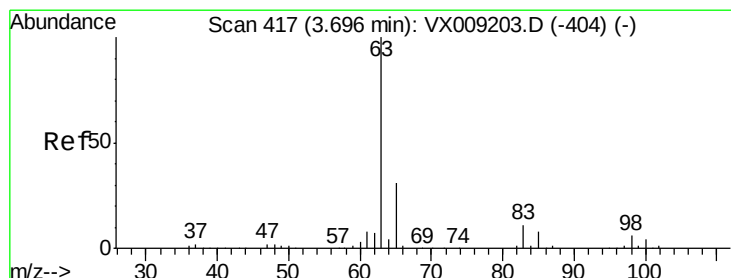
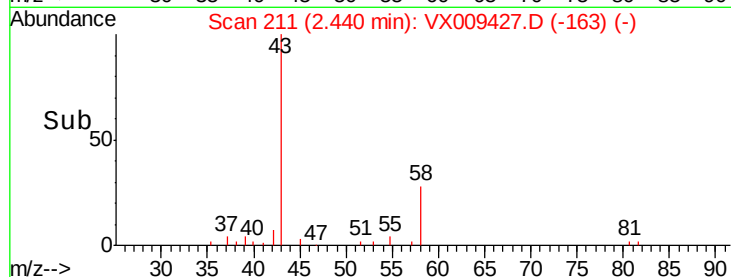
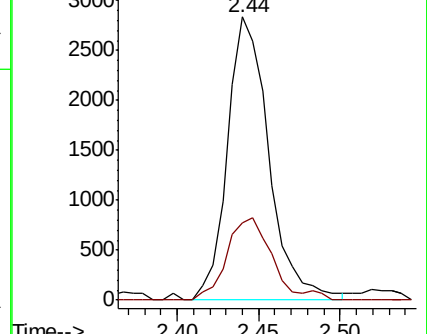
43 100

58 27.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#24

1,1-Dichloroethane

Concen: 0.414 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009427.D

Acq: 09 May 2019 15:01

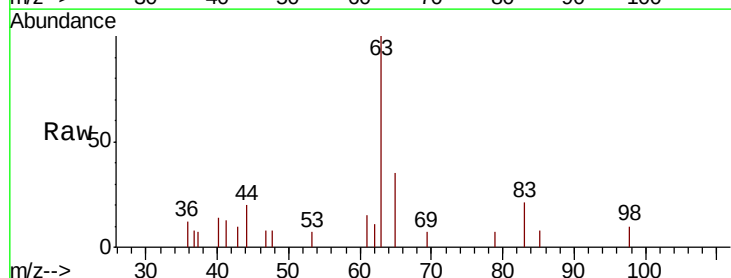
Tgt Ion: 63 Resp: 1680

Ion Ratio Lower Upper

63 100

98 9.9 3.0 9.2#

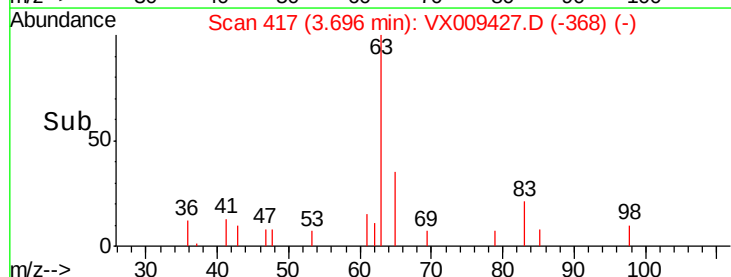
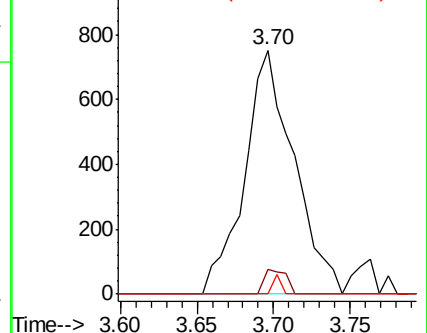
100 0.0 2.0 6.0#

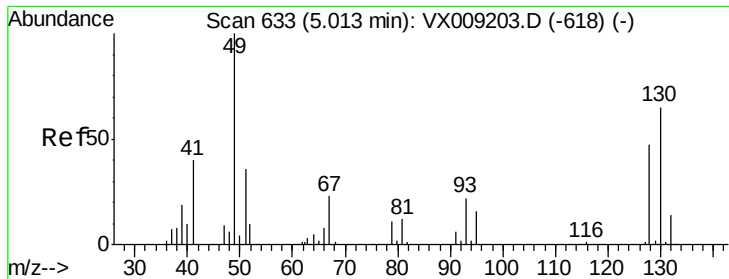


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

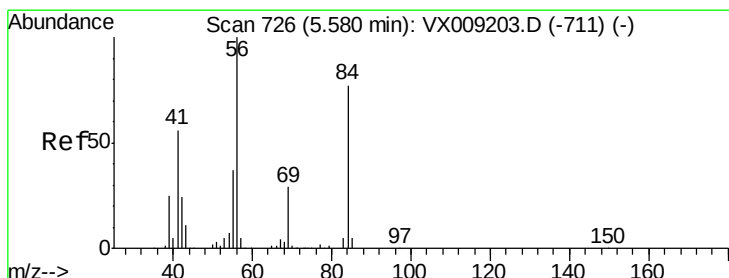
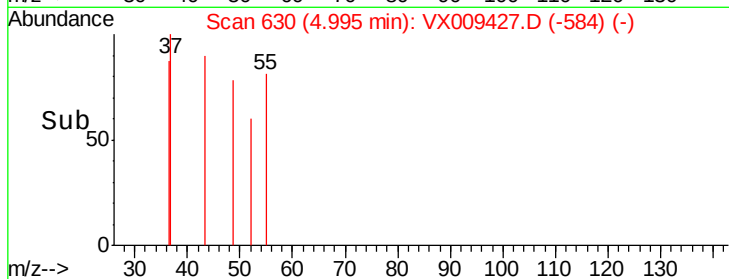
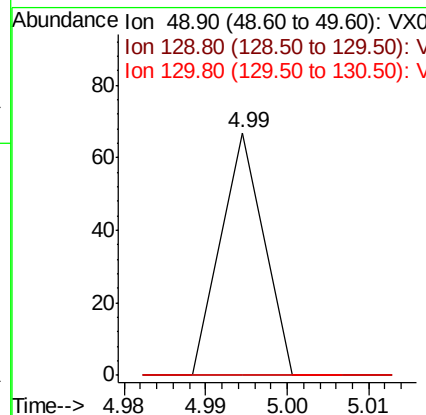
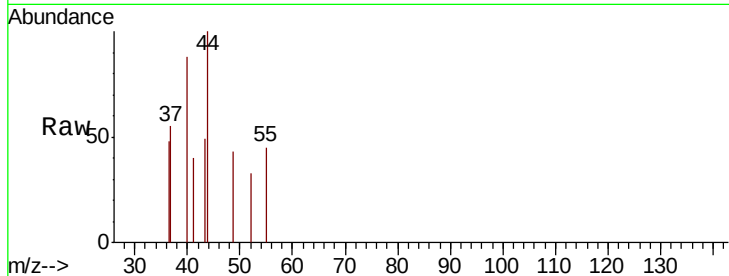
Delta R.T. -0.02 min

Lab File: VX009427.D

Acq: 09 May 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 24
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#



#31

Cyclohexane

Concen: 1.017 ug/l

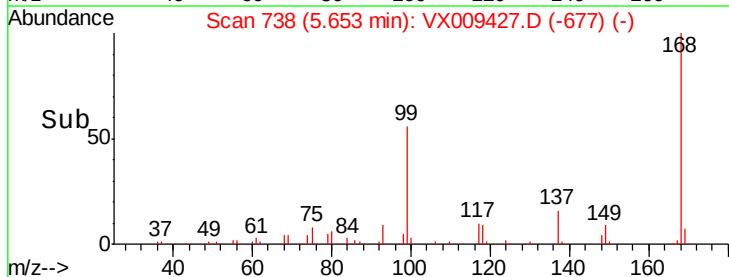
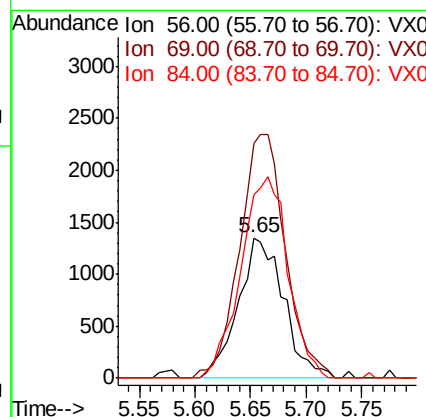
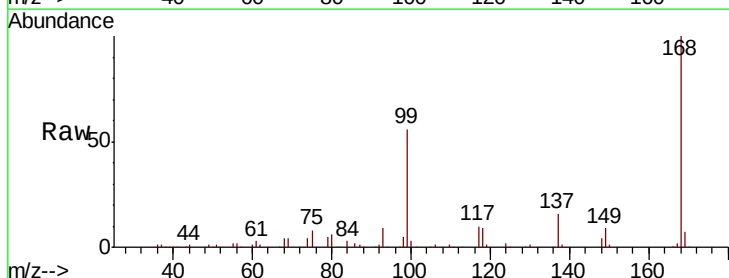
RT: 5.65 min Scan# 738

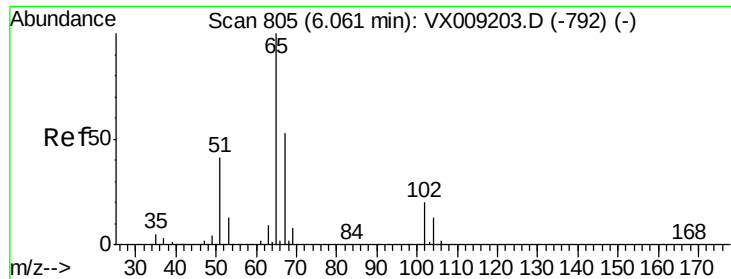
Delta R.T. 0.07 min

Lab File: VX009427.D

Acq: 09 May 2019 15:01

Tgt Ion: 56 Resp: 3837
Ion Ratio Lower Upper
56 100
69 166.6 23.4 35.0#
84 130.7 61.9 92.9#

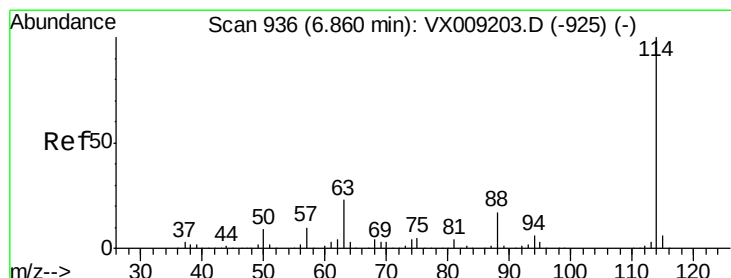
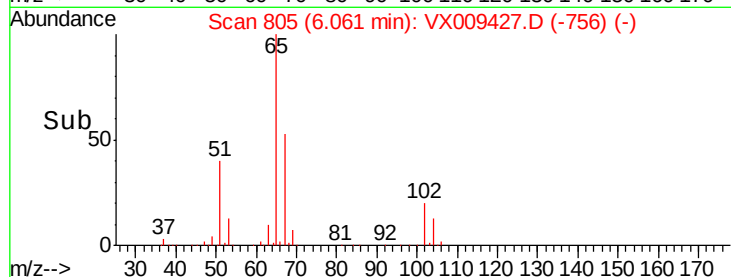
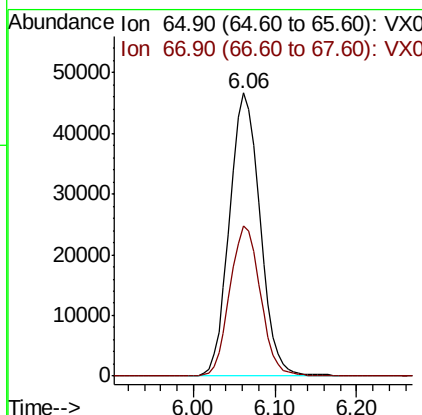
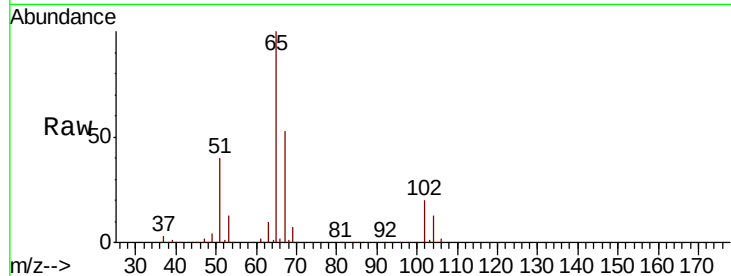




#33
 1,2-Dichloroethane-d4
 Concen: 47.383 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009427.D
 Acq: 09 May 2019 15:01

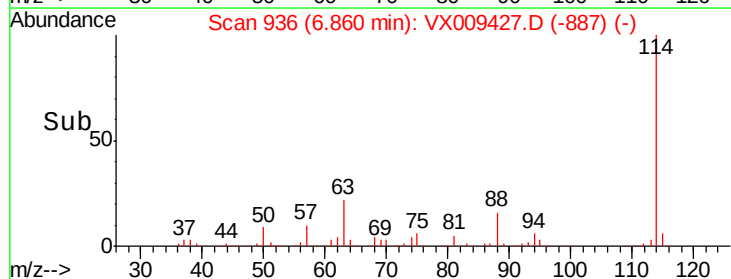
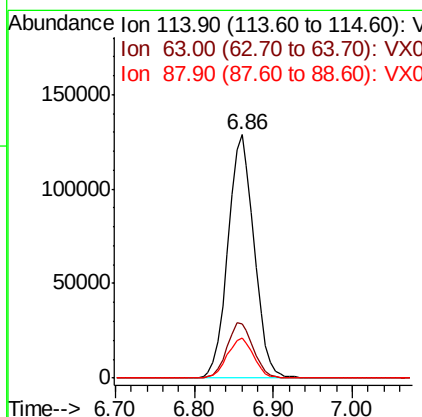
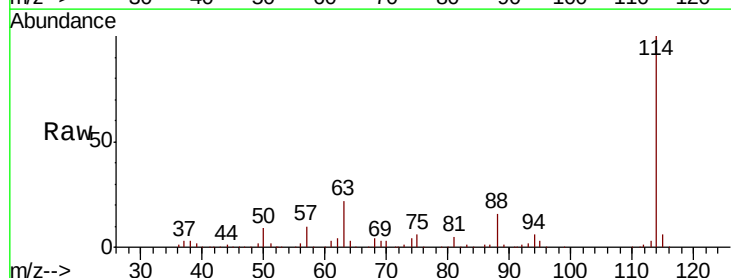
Instrument :
 MSVOA_X
 ClientSampleId :

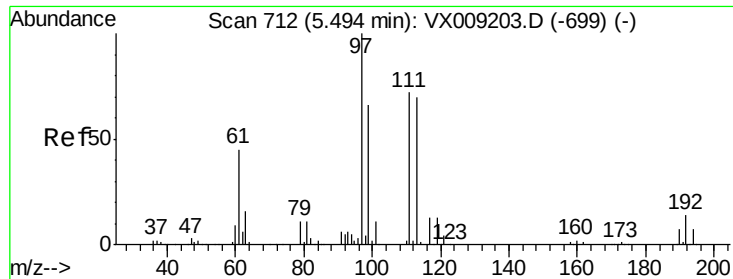
Tot Ion: 65 Resp: 120928
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009427.D
 Acq: 09 May 2019 15:01

Tgt Ion: 114 Resp: 296389
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.6
 88 16.3 0.0 33.2

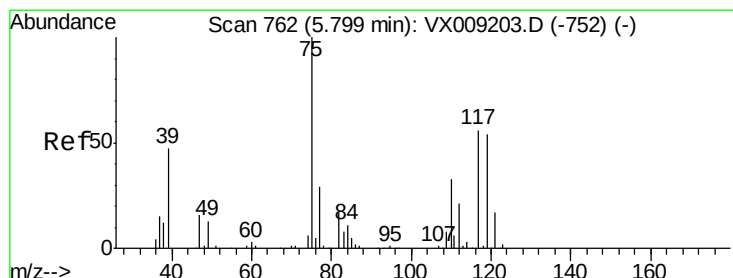
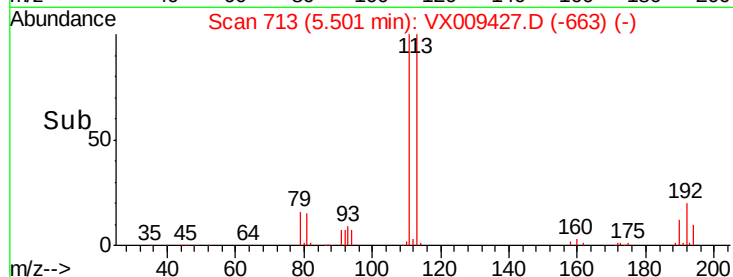
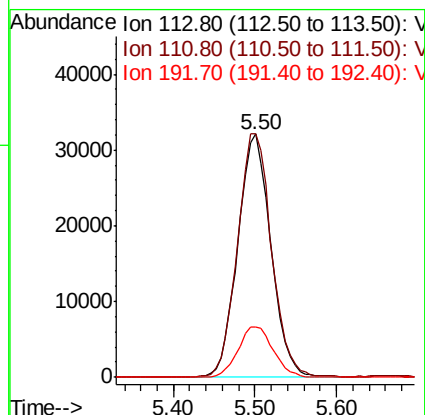
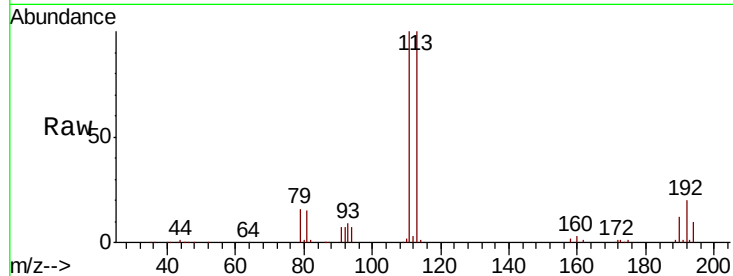




#35
 Dibromofluoromethane
 Concen: 48.601 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009427.D
 Acq: 09 May 2019 15:01

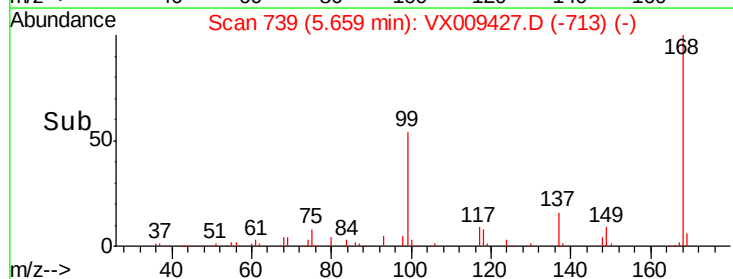
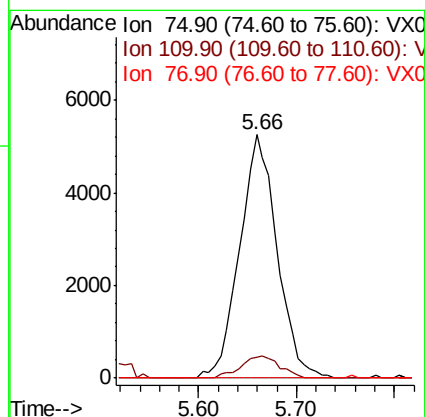
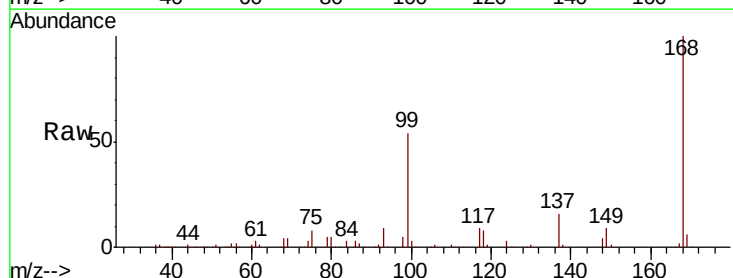
Instrument :
 MSVOA_X
 ClientSampleId :

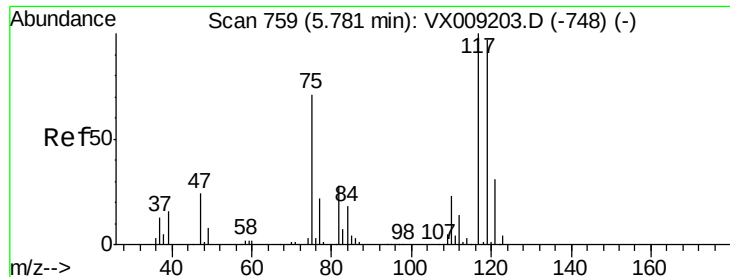
Tot Ion:113 Resp: 90554
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.8 124.2
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.054 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009427.D
 Acq: 09 May 2019 15:01

Tgt Ion: 75 Resp: 13922
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.854 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009427.D

Acq: 09 May 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

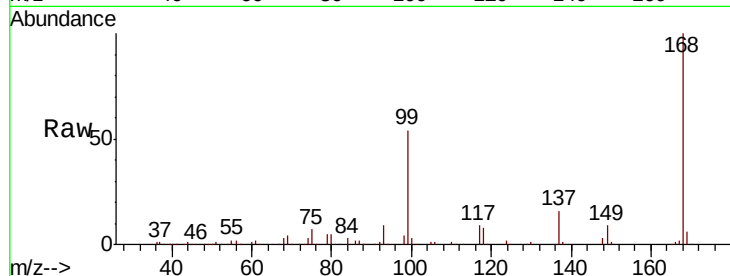
Tot Ion:117 Resp: 17153

Ion Ratio Lower Upper

117 100

119 4.5 77.5 116.3#

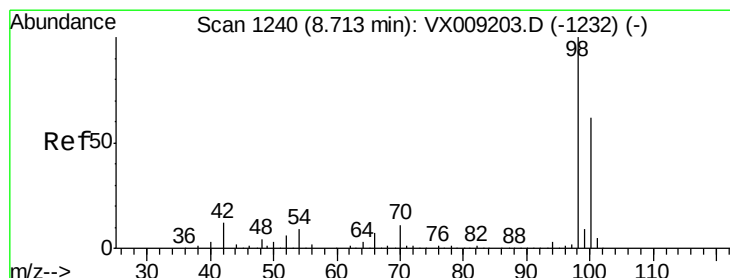
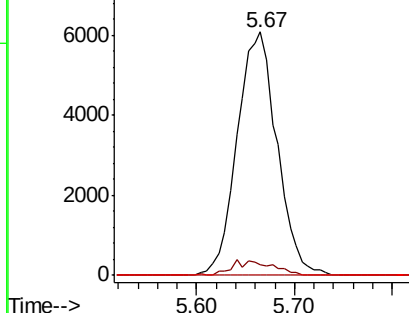
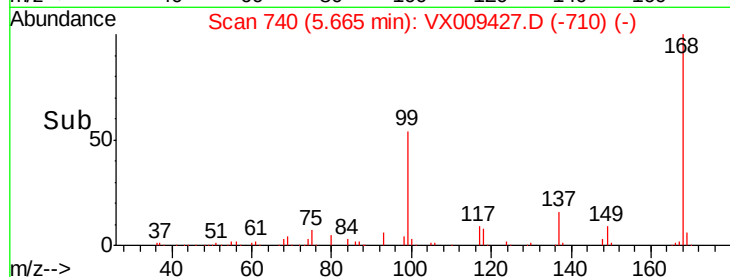
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 49.437 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009427.D

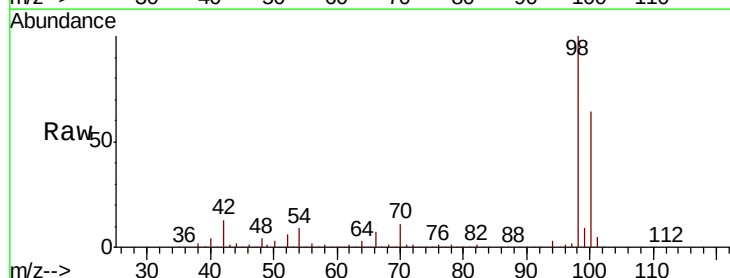
Acq: 09 May 2019 15:01

Tgt Ion: 98 Resp: 371879

Ion Ratio Lower Upper

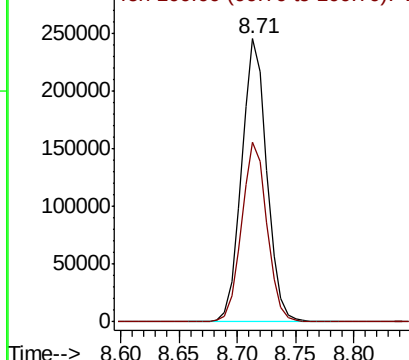
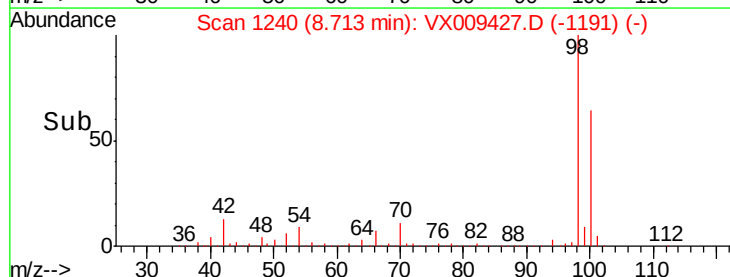
98 100

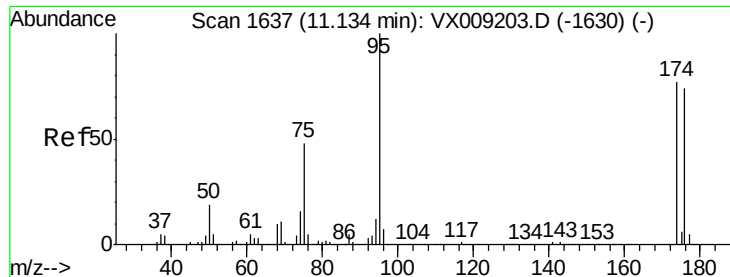
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.959 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009427.D

Acq: 09 May 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

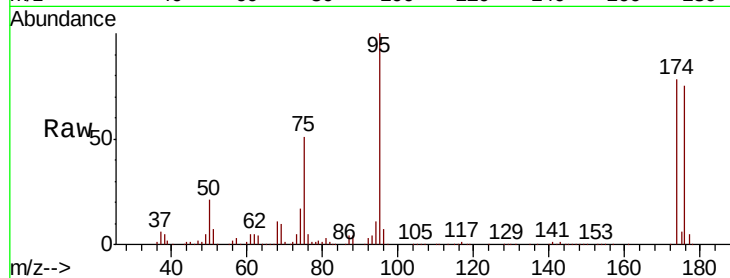
Tot Ion: 95 Resp: 120153

Ion Ratio Lower Upper

95 100

174 82.9 0.0 161.6

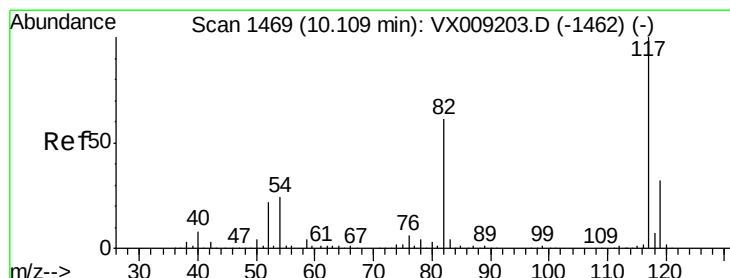
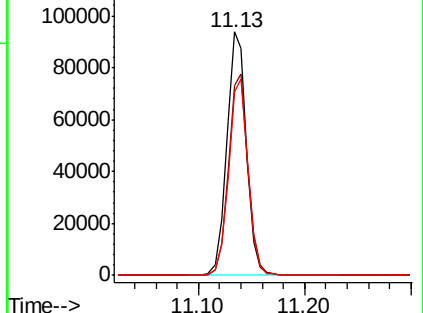
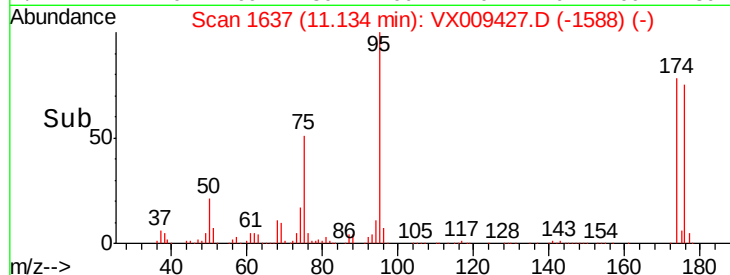
176 80.1 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009427.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009427.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009427.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009427.D

Acq: 09 May 2019 15:01

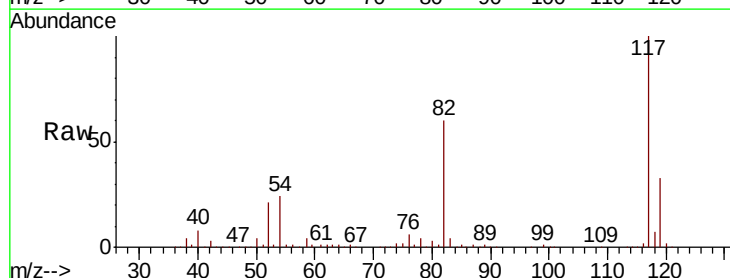
Tgt Ion: 117 Resp: 256878

Ion Ratio Lower Upper

117 100

82 59.9 48.8 73.2

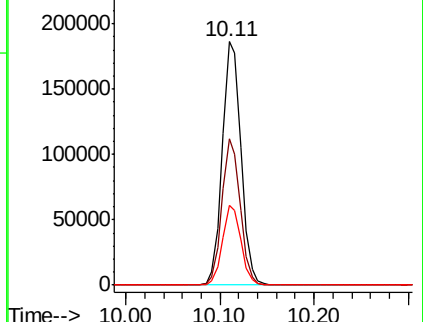
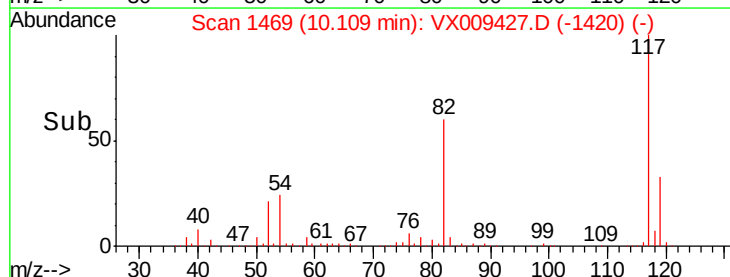
119 32.8 25.8 38.6

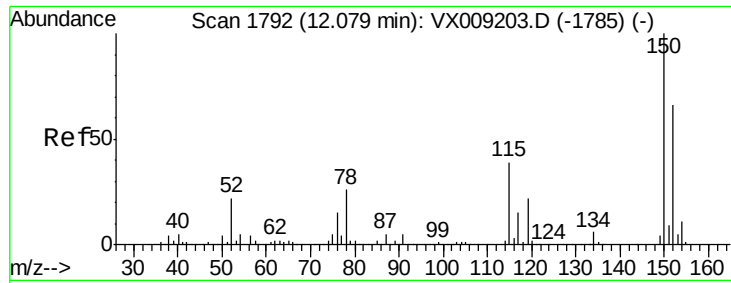


Abundance Ion 116.90 (116.60 to 117.60): VX009427.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009427.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009427.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009427.D

Acq: 09 May 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

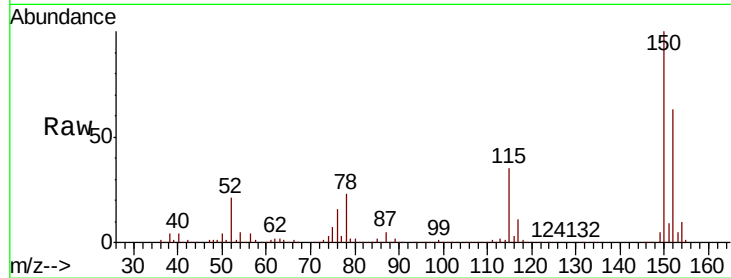
Tot Ion:152 Resp: 108685

Ion Ratio Lower Upper

152 100

115 58.0 41.2 123.6

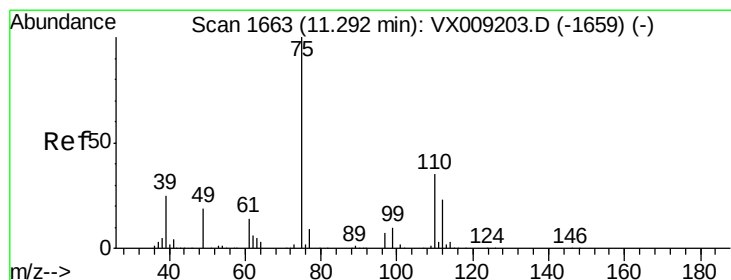
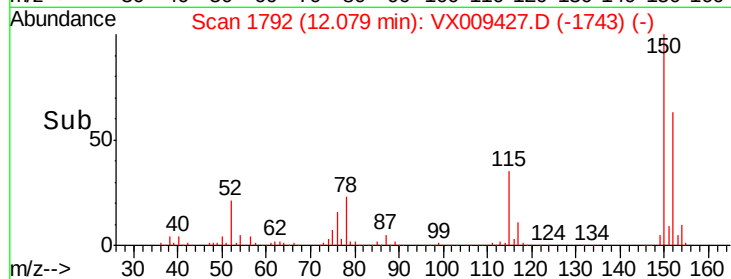
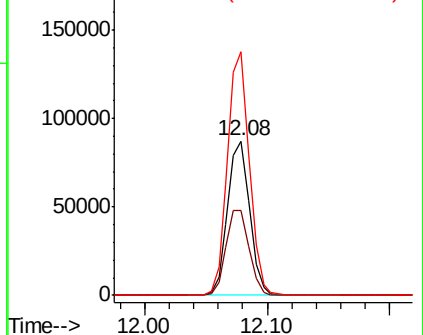
150 155.8 0.0 346.4



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: 24.401 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009427.D

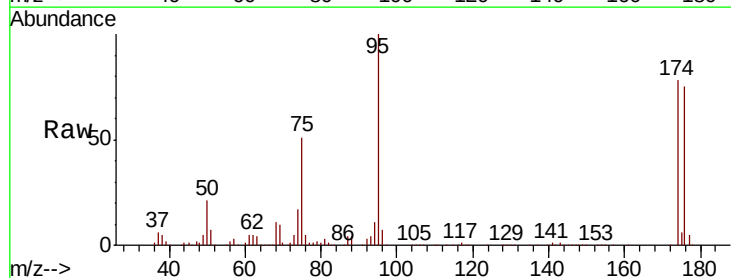
Acq: 09 May 2019 15:01

Tgt Ion: 75 Resp: 61518

Ion Ratio Lower Upper

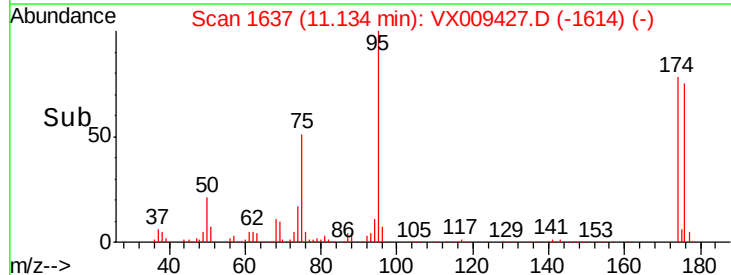
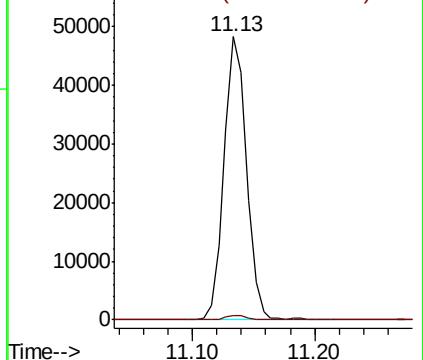
75 100

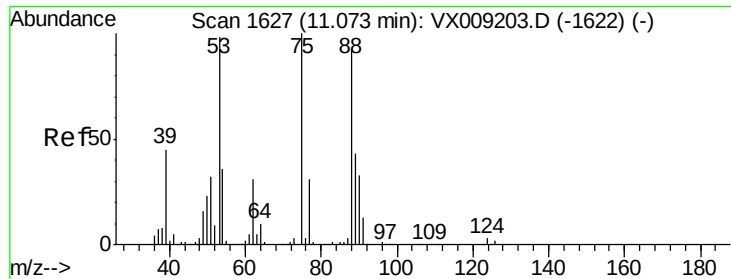
77 1.4 22.1 66.1#



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: 62.434 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009427.D

Acq: 09 May 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 61518

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#

