

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010088.D
 Acq On : 05 Jun 2019 19:35
 Operator : JC/SP
 Sample : K3195-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 06:35:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	174920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	278895	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108119	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	114878	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
35) Dibromofluoromethane	5.50	113	86609	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	8.71	98	351197	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	11.13	95	117537	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	

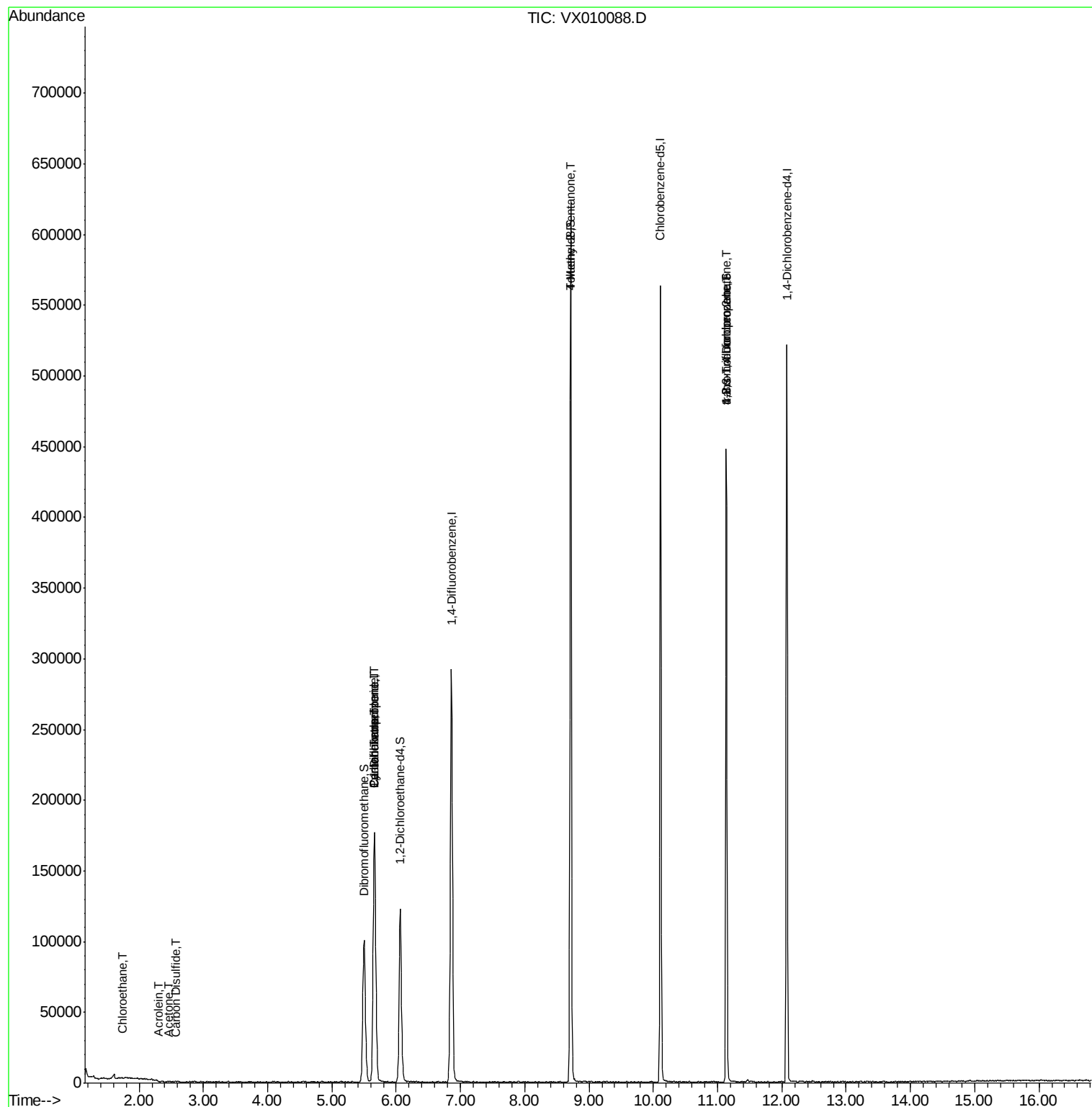
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	2395	1.502	ug/l #	87
13) Acrolein	2.30	56	24	21.148	ug/l #	14
16) Acetone	2.45	43	401	0.281	ug/l	90
17) Carbon Disulfide	2.57	76	243	0.430	ug/l #	76
31) Cyclohexane	5.66	56	3861	1.027	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13656	4.826	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16145	6.603	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1987	0.480	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	59466	23.000	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59466	56.906	ug/l #	10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 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: VX010088.D

Acq: 05 Jun 2019 19:35

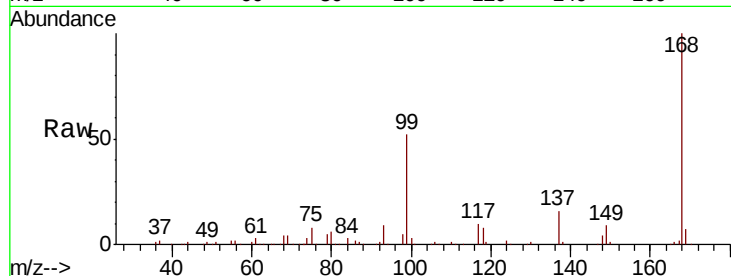
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 174920

Ion Ratio Lower Upper

168 100

99 52.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

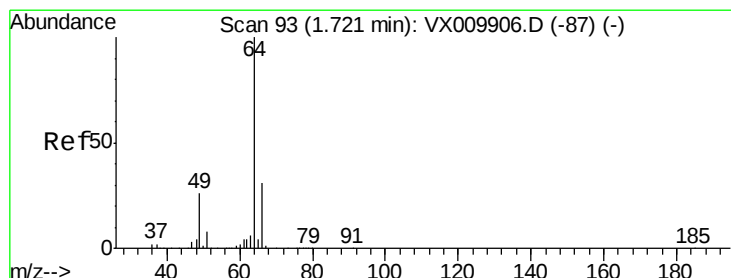
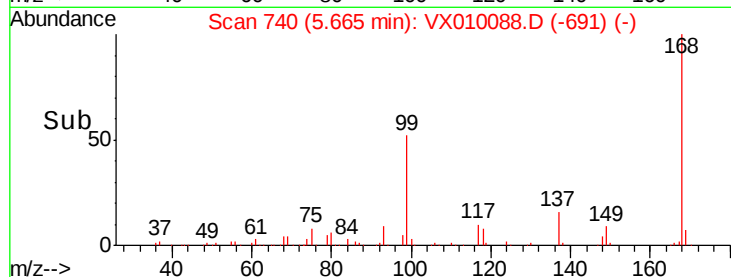
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 1.502 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX010088.D

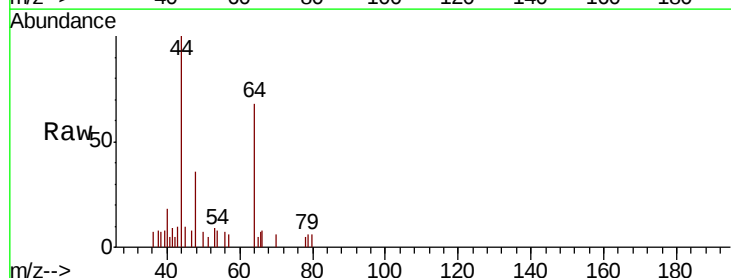
Acq: 05 Jun 2019 19:35

Tgt Ion: 64 Resp: 2395

Ion Ratio Lower Upper

64 100

66 24.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

800

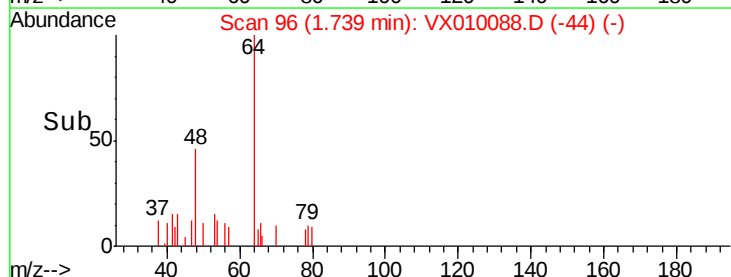
600

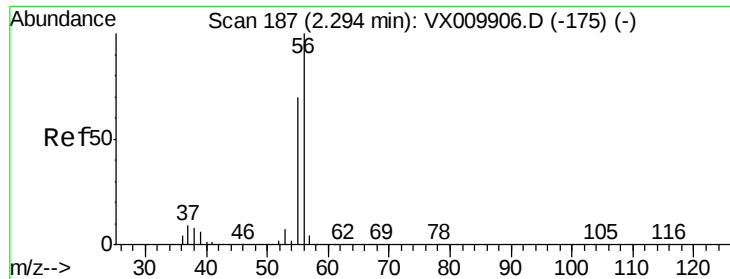
400

200

0

Time--> 1.60 1.65 1.70 1.75





#13

Acrolein

Concen: 21.148 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010088.D

Acq: 05 Jun 2019 19:35

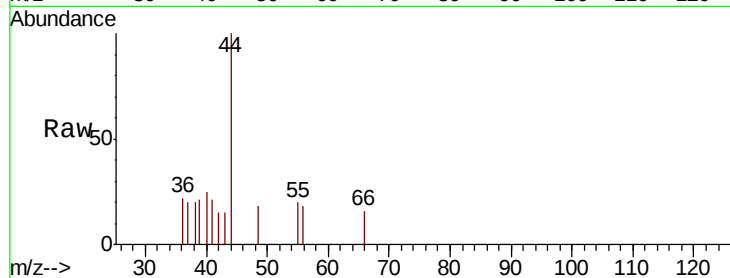
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 24

Ion Ratio Lower Upper

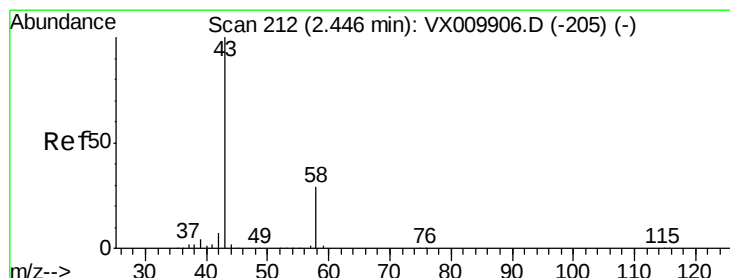
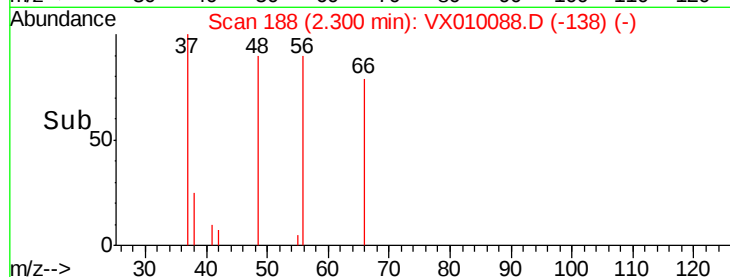
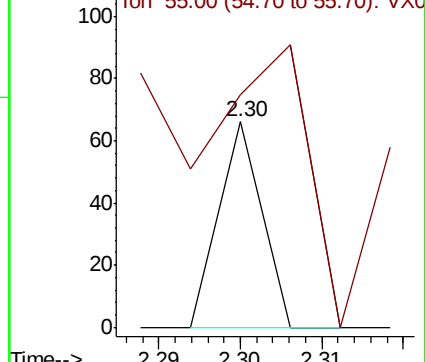
56 100

55 0.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.281 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010088.D

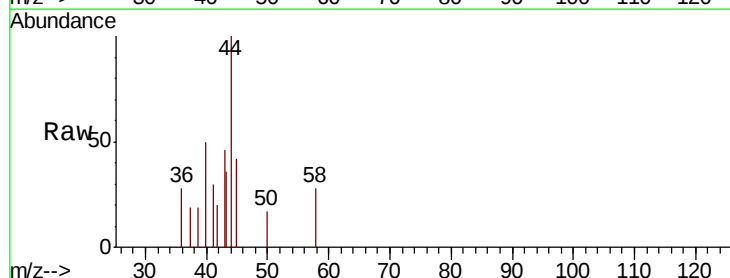
Acq: 05 Jun 2019 19:35

Tgt Ion: 43 Resp: 401

Ion Ratio Lower Upper

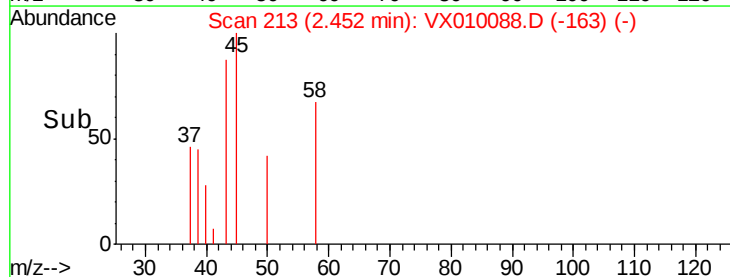
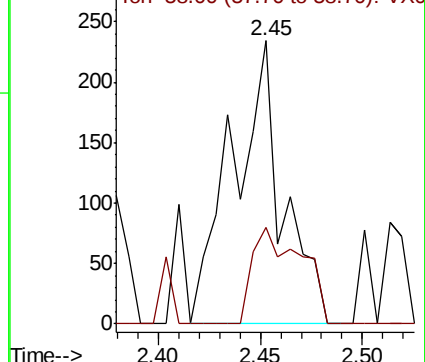
43 100

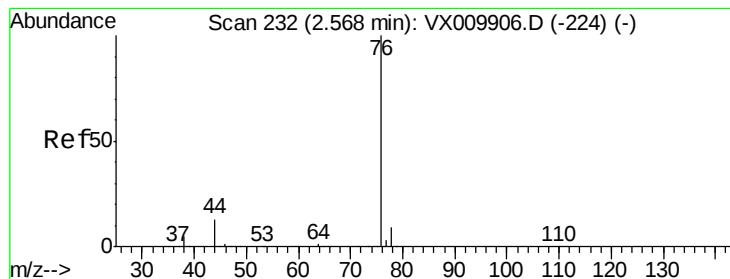
58 34.2 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.430 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010088.D

Acq: 05 Jun 2019 19:35

Instrument :

MSVOA_X

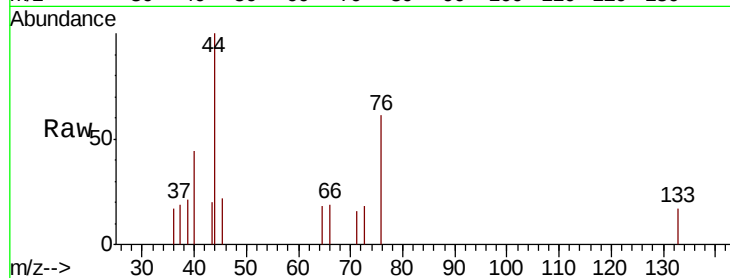
ClientSampleId :

Tot Ion: 76 Resp: 243

Ion Ratio Lower Upper

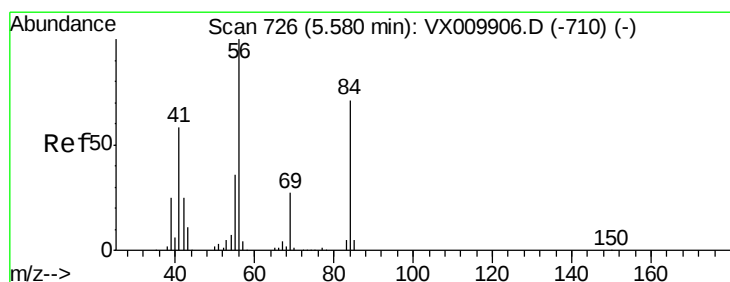
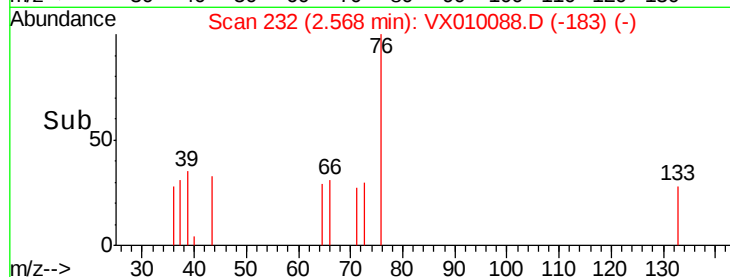
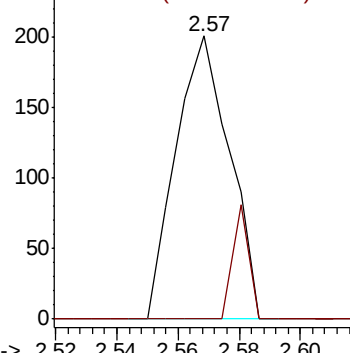
76 100

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



#31

Cyclohexane

Concen: 1.027 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010088.D

Acq: 05 Jun 2019 19:35

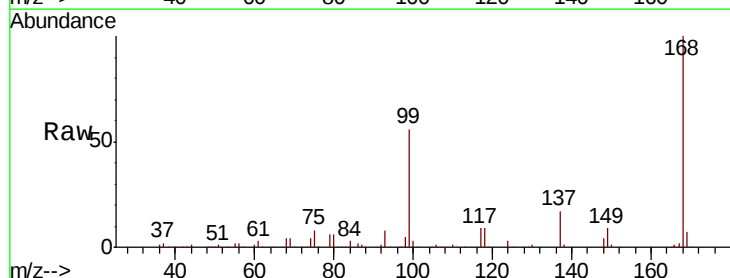
Tgt Ion: 56 Resp: 3861

Ion Ratio Lower Upper

56 100

69 158.5 21.6 32.4#

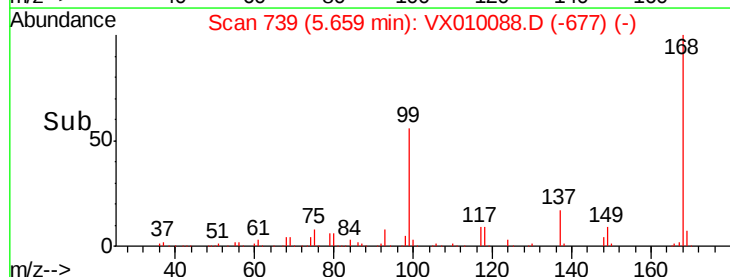
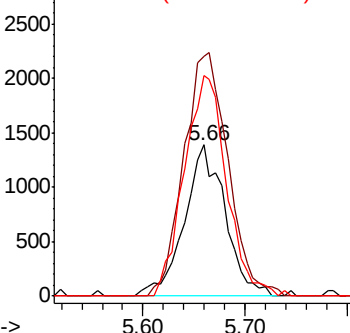
84 146.1 56.8 85.2#

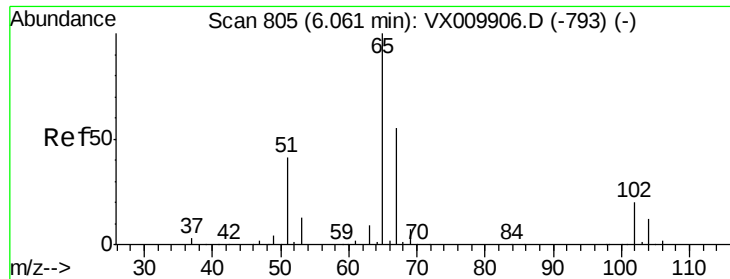


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.492 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010088.D

Acq: 05 Jun 2019 19:35

Instrument :

MSVOA_X

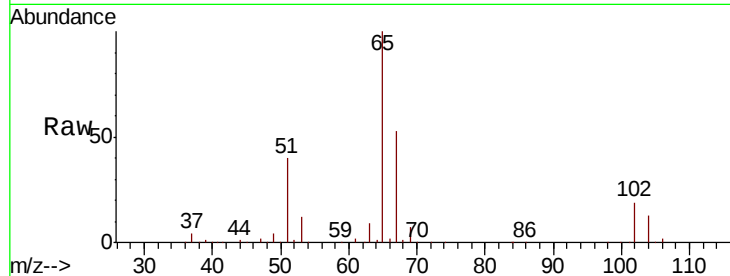
ClientSampled :

Tot Ion: 65 Resp: 114878

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

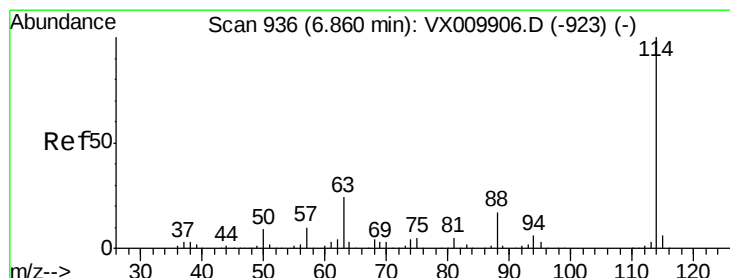
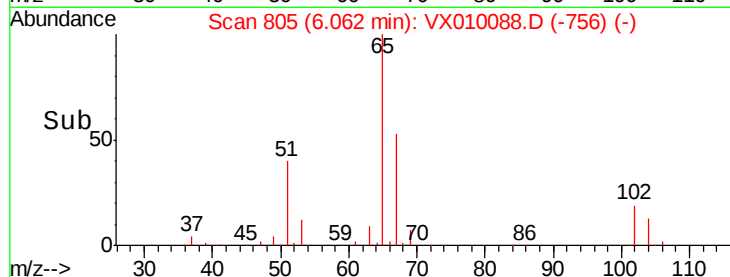
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010088.D

Acq: 05 Jun 2019 19:35

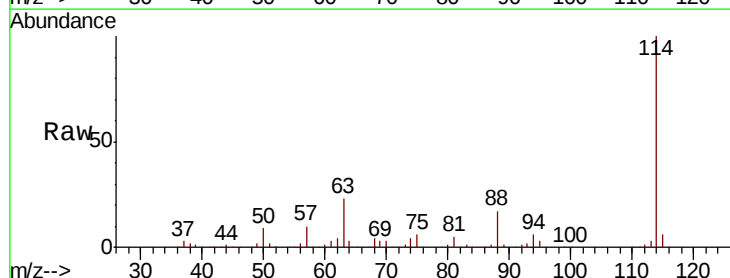
Tgt Ion: 114 Resp: 278895

Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.4

88 16.6 0.0 33.0



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

150000

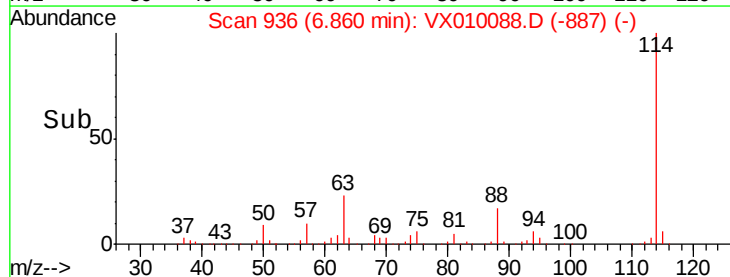
100000

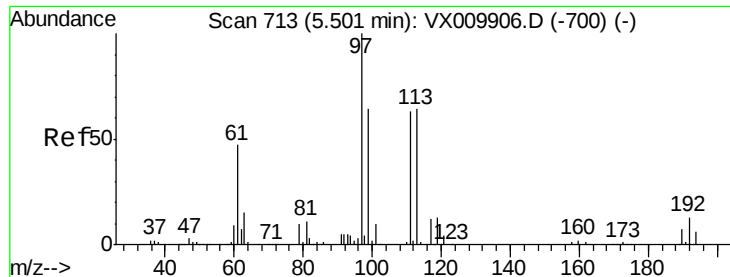
50000

0

Time-->

6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.394 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010088.D

Acq: 05 Jun 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

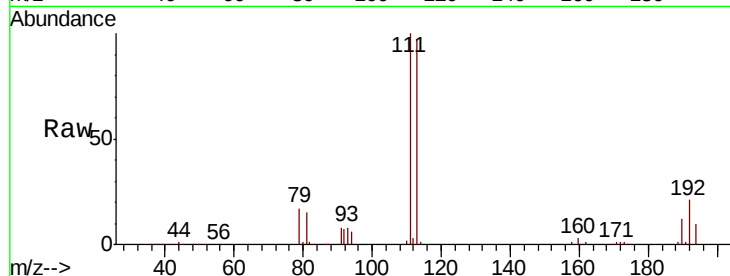
Tot Ion:113 Resp: 86609

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

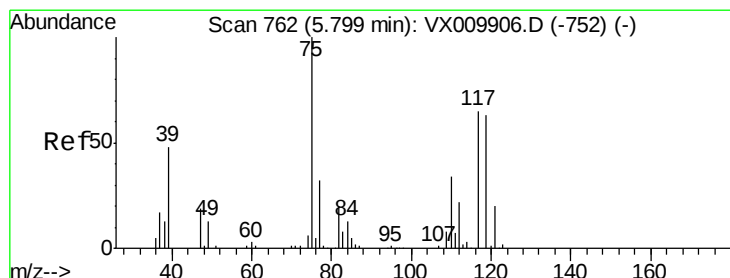
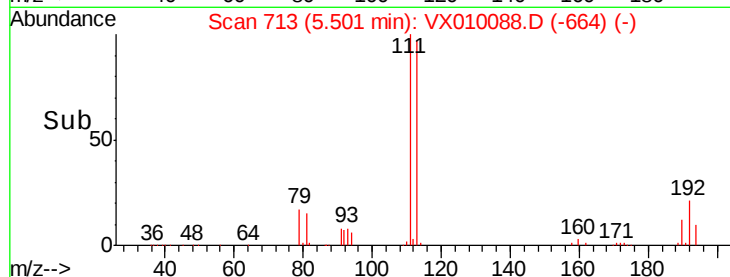
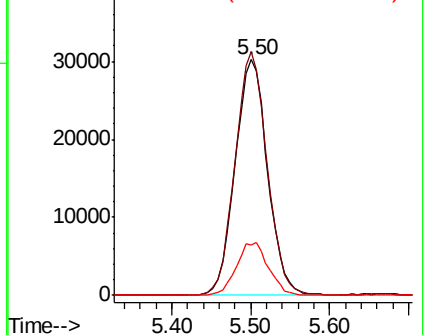
192 22.2 17.1 25.7



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: 4.826 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010088.D

Acq: 05 Jun 2019 19:35

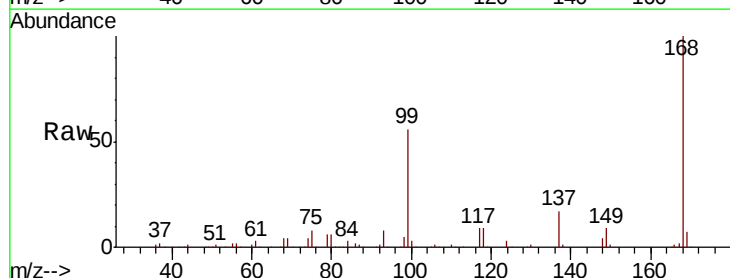
Tgt Ion: 75 Resp: 13656

Ion Ratio Lower Upper

75 100

110 8.9 16.7 50.1#

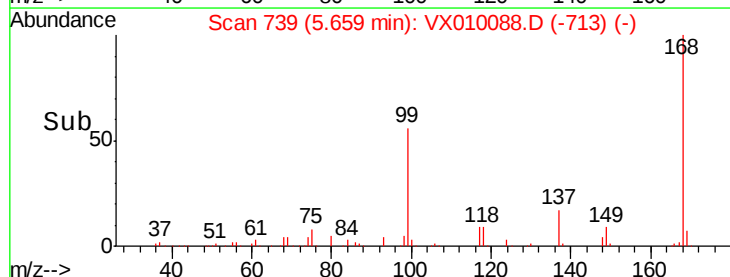
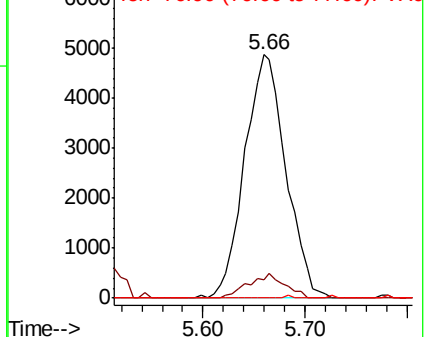
77 0.0 25.0 37.4#

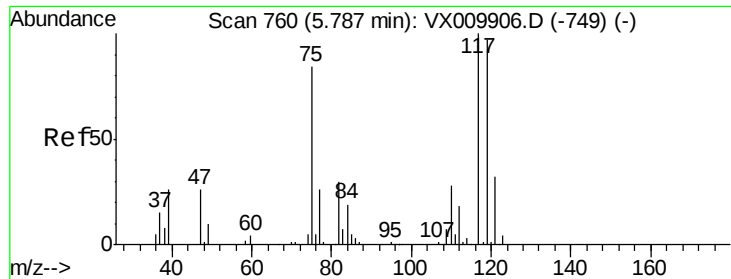


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

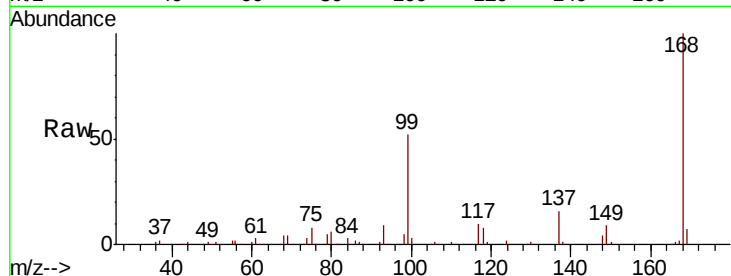




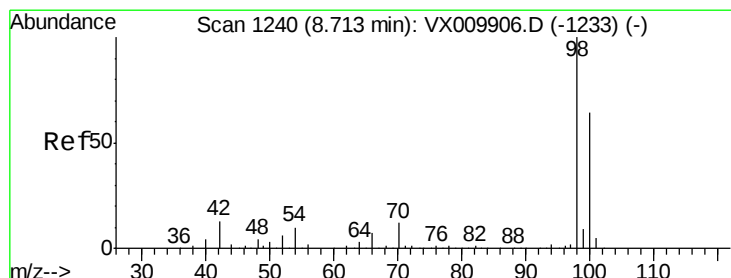
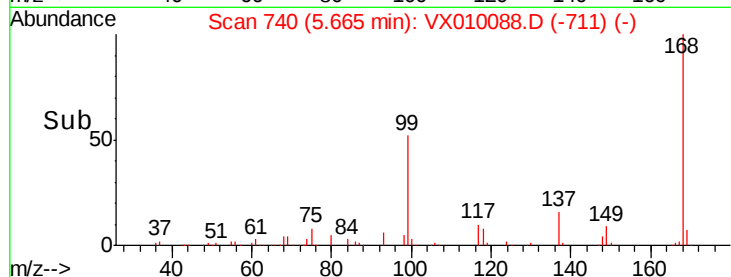
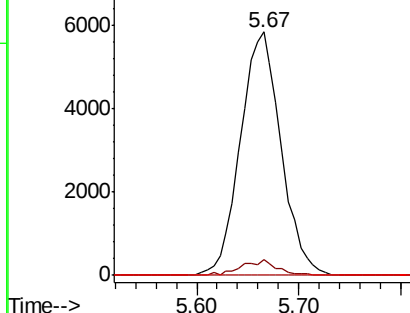
#38
Carbon Tetrachloride
Concen: 6.603 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010088.D
Acq: 05 Jun 2019 19:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 16145
Ion Ratio Lower Upper
117 100
119 6.2 77.3 115.9#
121 0.0 25.4 38.0#

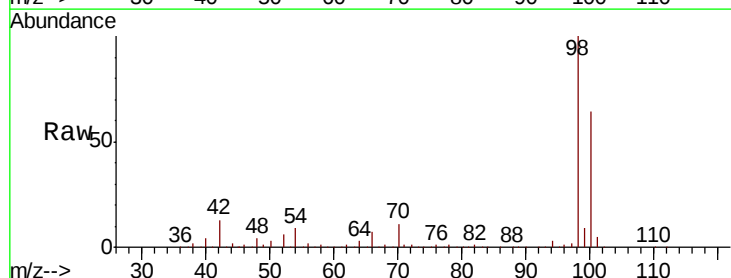


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

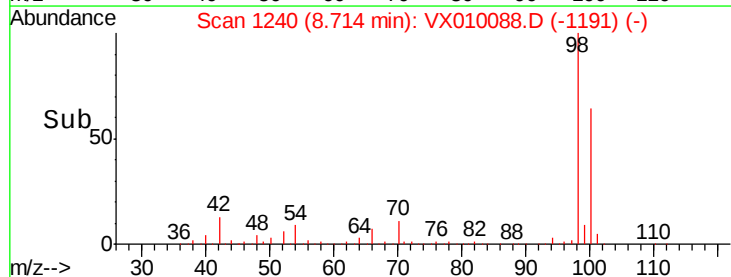
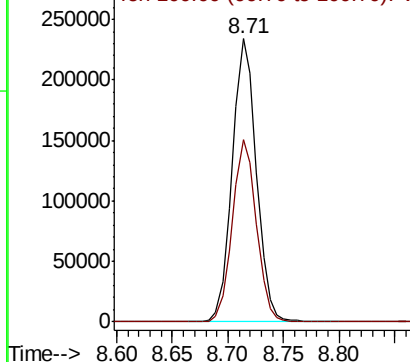


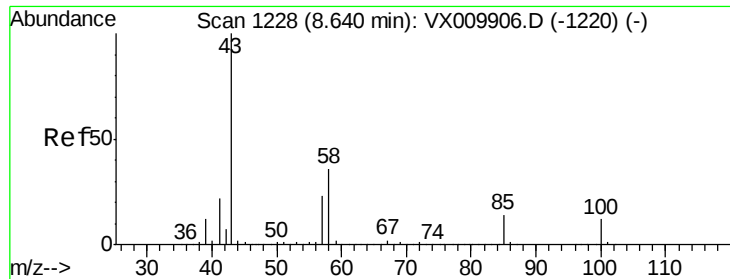
#50
Toluene-d8
Concen: 49.324 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010088.D
Acq: 05 Jun 2019 19:35

Tgt Ion: 98 Resp: 351197
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

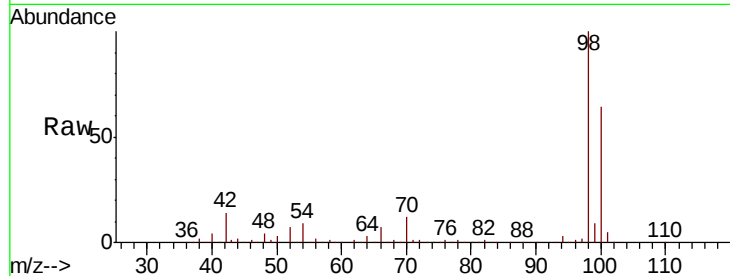




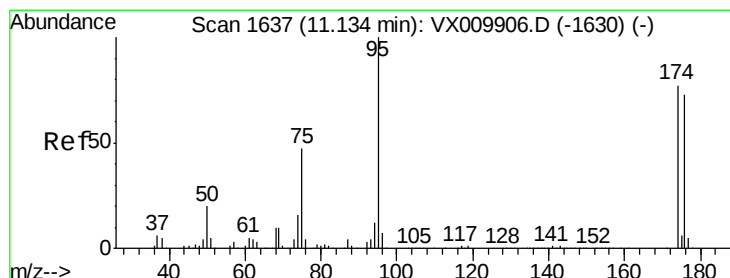
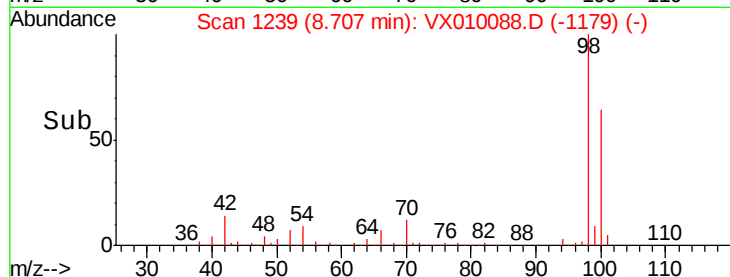
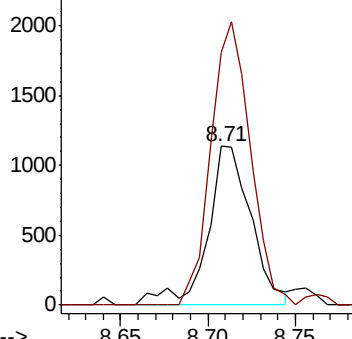
#51
4-Methyl-2-Pentanone
Concen: 0.480 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. 0.07 min
Lab File: VX010088.D
Acq: 05 Jun 2019 19:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1987
Ion Ratio Lower Upper
43 100
58 161.9 28.8 43.2#

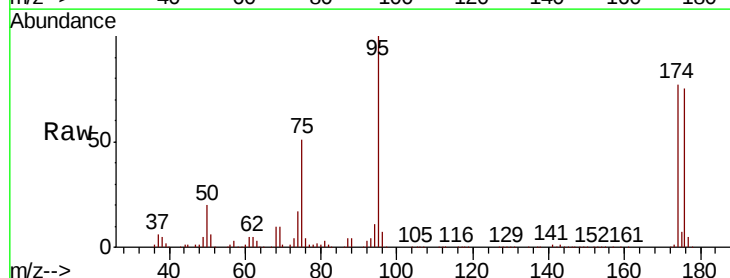


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

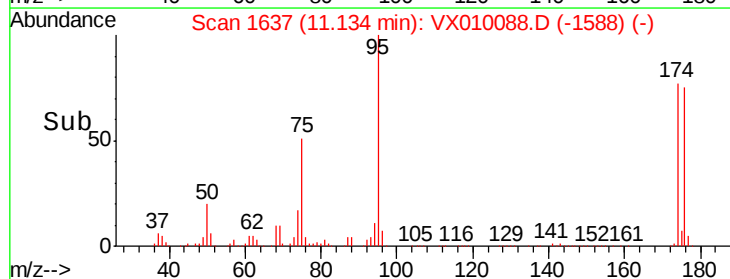
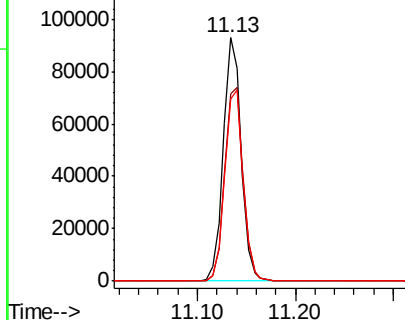


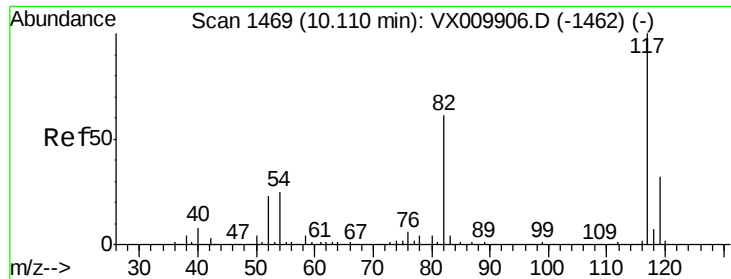
#62
4-Bromofluorobenzene
Concen: 45.958 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010088.D
Acq: 05 Jun 2019 19:35

Tgt Ion: 95 Resp: 117537
Ion Ratio Lower Upper
95 100
174 82.6 0.0 160.4
176 81.0 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

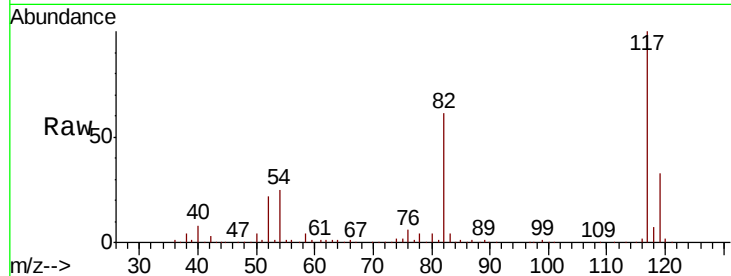




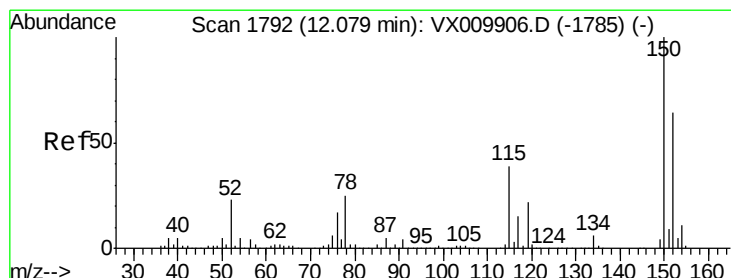
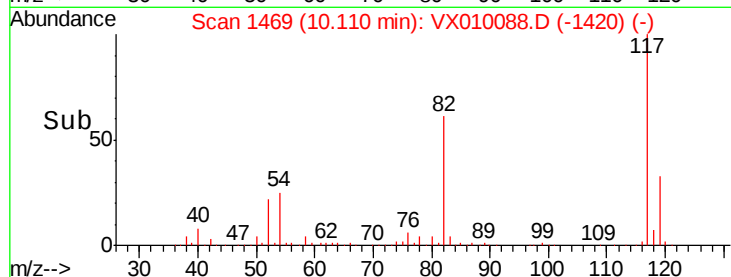
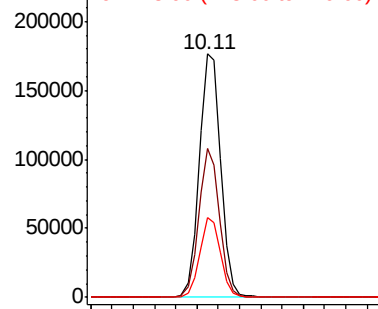
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010088.D
Acq: 05 Jun 2019 19:35

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 249618
Ion Ratio Lower Upper
117 100
82 61.0 49.2 73.8
119 33.0 25.2 37.8

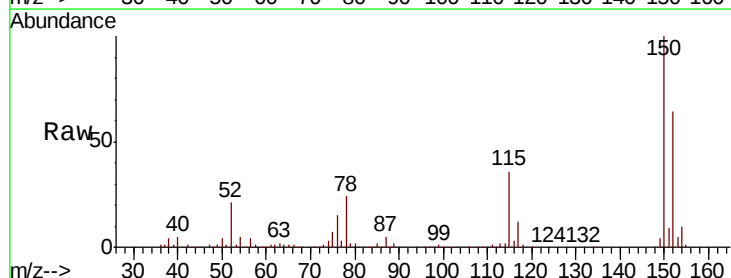


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

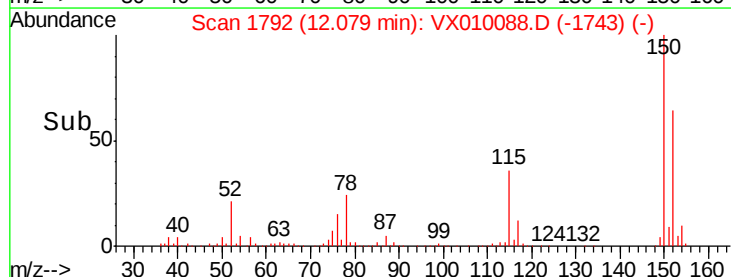
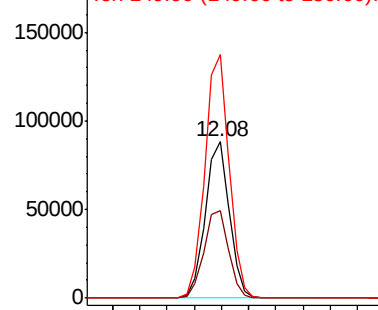


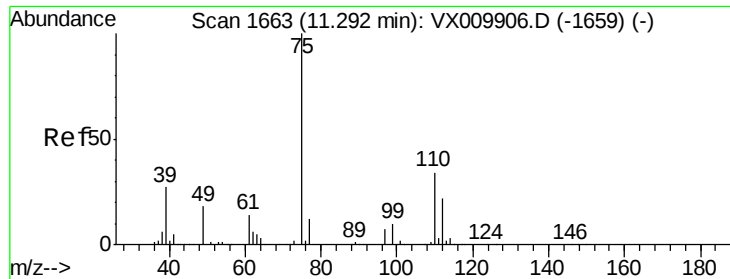
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010088.D
Acq: 05 Jun 2019 19:35

Tgt Ion:152 Resp: 108119
Ion Ratio Lower Upper
152 100
115 58.0 41.4 124.2
150 157.2 0.0 345.2



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: 23.000 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010088.D

Acq: 05 Jun 2019 19:35

Instrument :

MSVOA_X

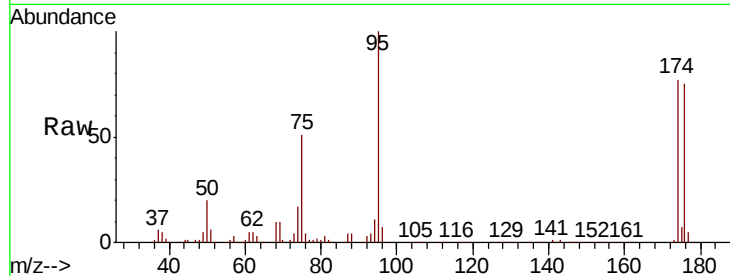
ClientSampled :

Tot Ion: 75 Resp: 59466

Ion Ratio Lower Upper

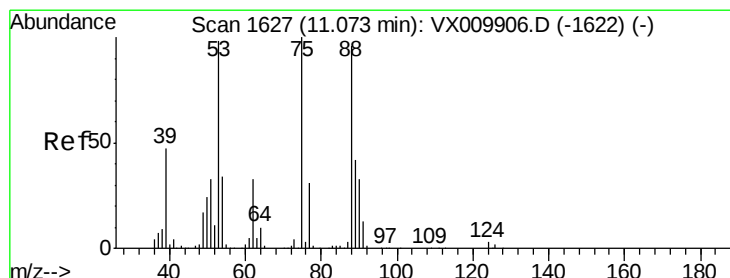
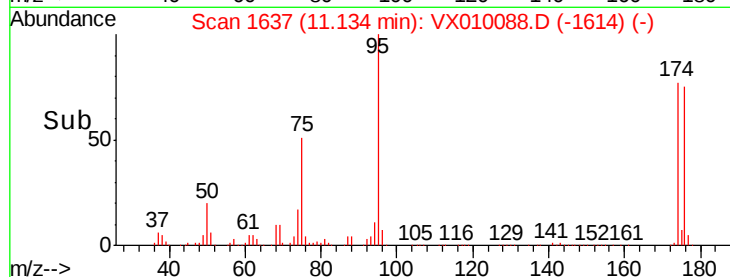
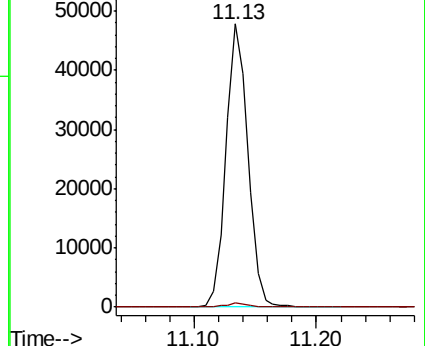
75 100

77 1.5 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: 56.906 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010088.D

Acq: 05 Jun 2019 19:35

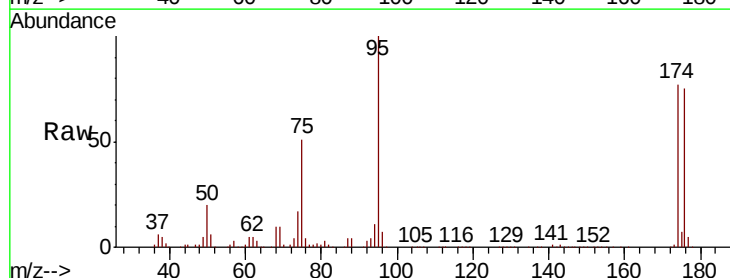
Tgt Ion: 75 Resp: 59466

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



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

