

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009428.D
 Acq On : 09 May 2019 15:25
 Operator : JC/SP
 Sample : K2748-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:07:10 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	5.66	168	183719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	296648	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	255740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104009	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	121794	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
35) Dibromofluoromethane	5.50	113	90518	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
50) Toluene-d8	8.71	98	366812	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.13	95	119082	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	

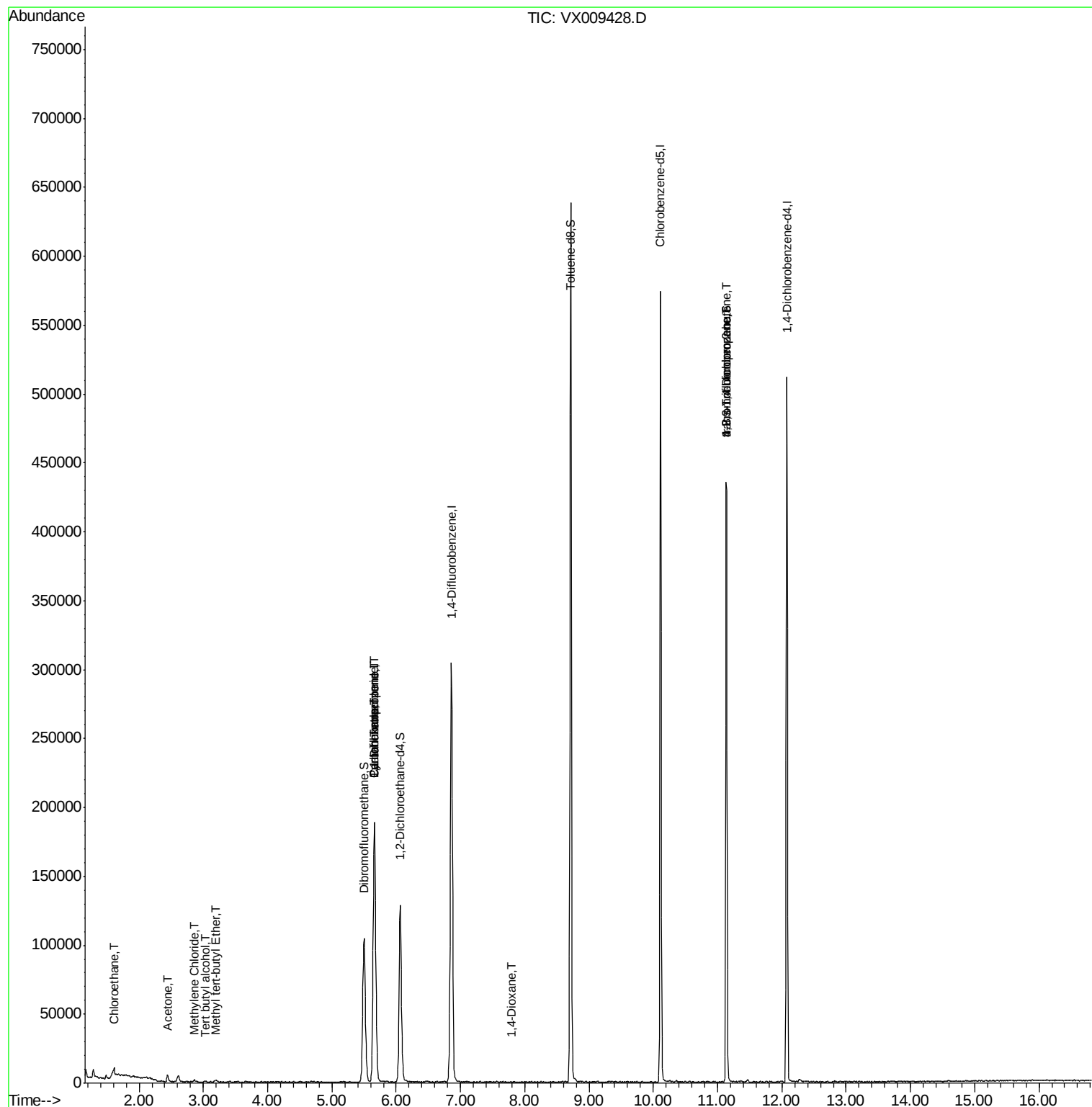
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.60	64	3887	2.686	ug/l #	60
11) Tert butyl alcohol	3.03	59	369	0.636	ug/l #	73
16) Acetone	2.44	43	4836	3.591	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	1530	0.229	ug/l #	52
20) Methylene Chloride	2.85	84	600	0.275	ug/l #	81
28) Bromochloromethane	5.01	49	61	Below Cal	#	20
31) Cyclohexane	5.66	56	4117	1.110	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13903	5.043	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17227	6.878	ug/l #	16
49) 1,4-Dioxane	7.79	88	19	0.307	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	60141	24.928	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60141	63.781	ug/l #	10

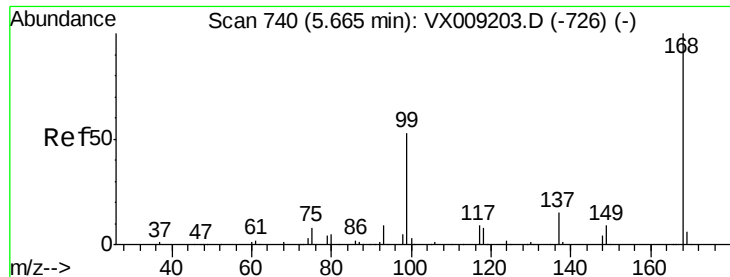
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 10 07:07:10 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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009428.D

Acq: 09 May 2019 15:25

Instrument :

MSVOA_X

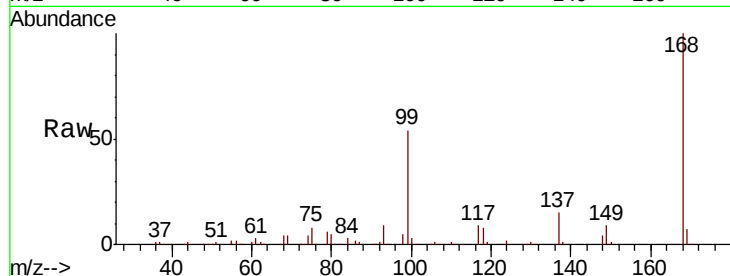
ClientSampleId :

Tot Ion:168 Resp: 183719

Ion Ratio Lower Upper

168 100

99 53.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

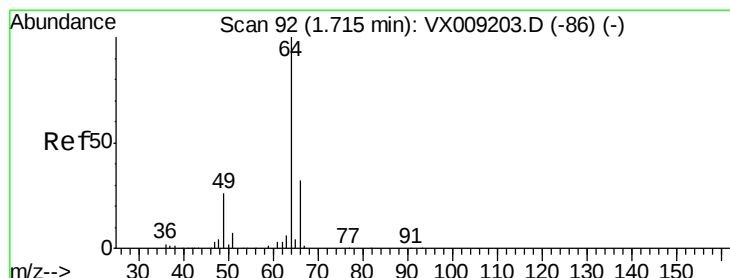
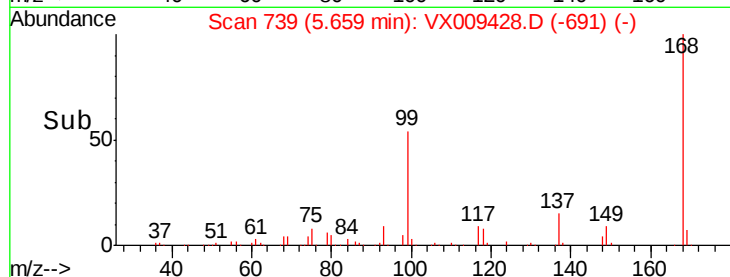
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 2.686 ug/l

RT: 1.60 min Scan# 74

Delta R.T. -0.11 min

Lab File: VX009428.D

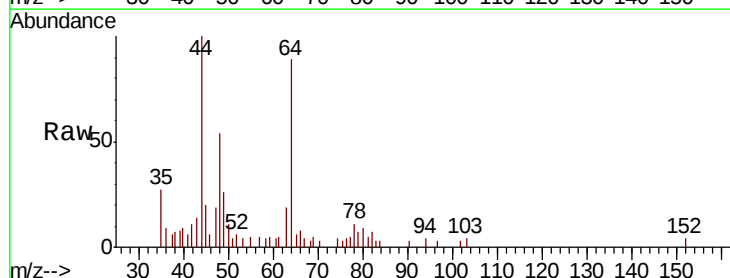
Acq: 09 May 2019 15:25

Tgt Ion: 64 Resp: 3887

Ion Ratio Lower Upper

64 100

66 9.7 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2000

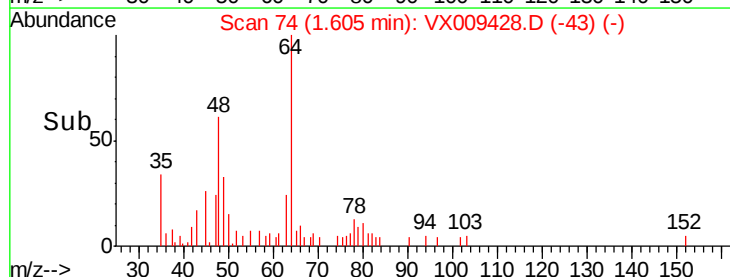
1500

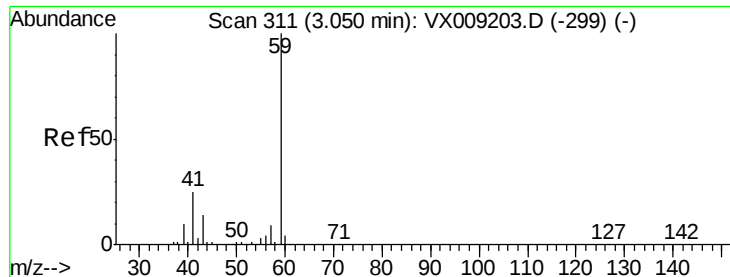
1000

500

0

Time--> 1.50 1.55 1.60

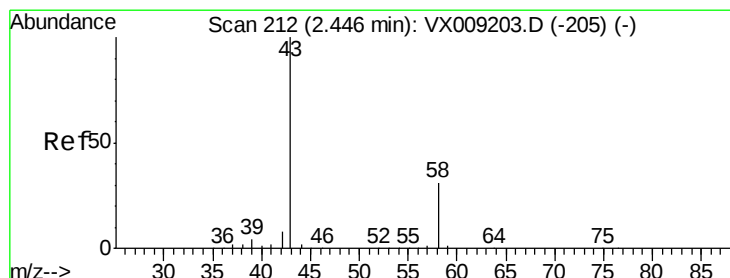
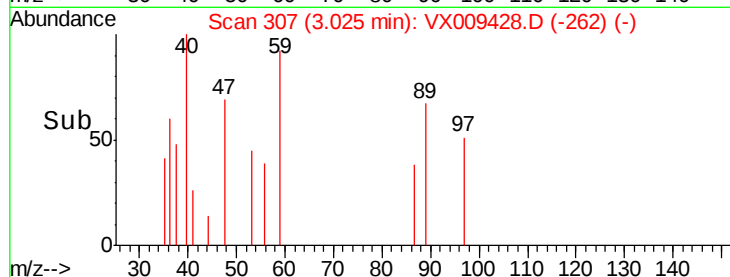
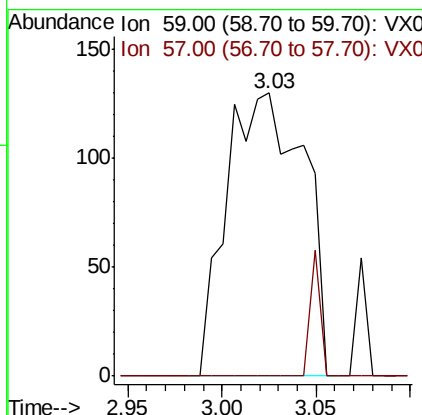
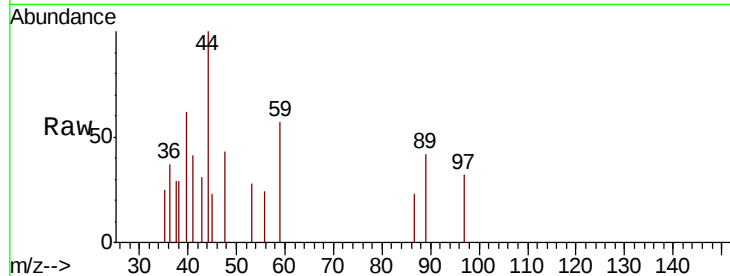




#11
Tert butyl alcohol
Concen: 0.636 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009428.D
Acq: 09 May 2019 15:25

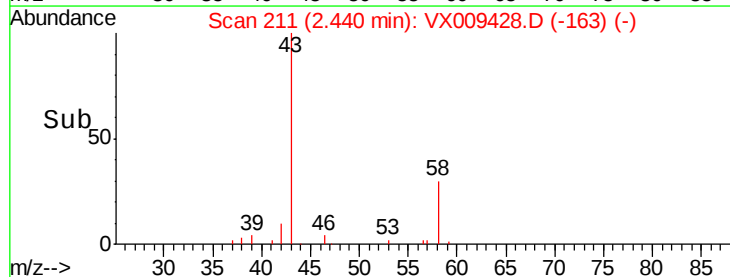
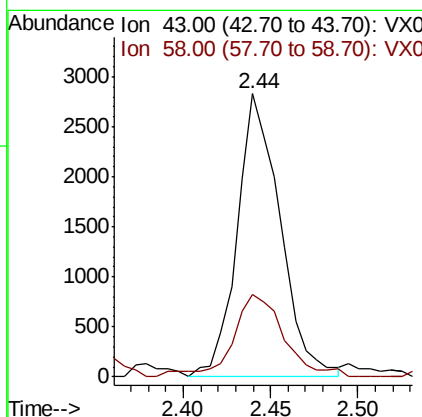
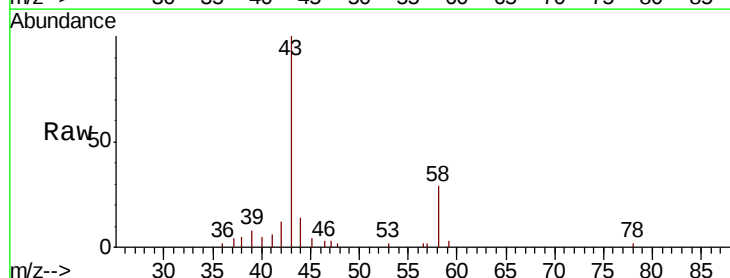
Instrument :
MSVOA_X
ClientSampled :

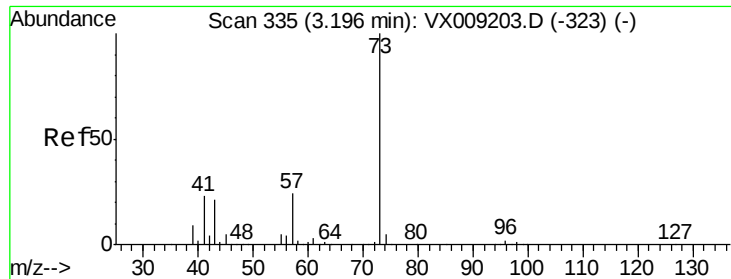
Tot Ion: 59 Resp: 369
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 3.591 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009428.D
Acq: 09 May 2019 15:25

Tgt Ion: 43 Resp: 4836
Ion Ratio Lower Upper
43 100
58 27.2 24.9 37.3



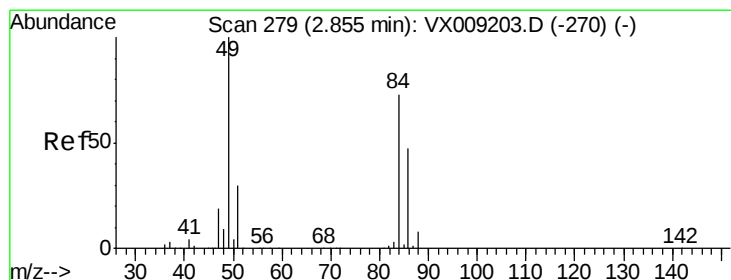
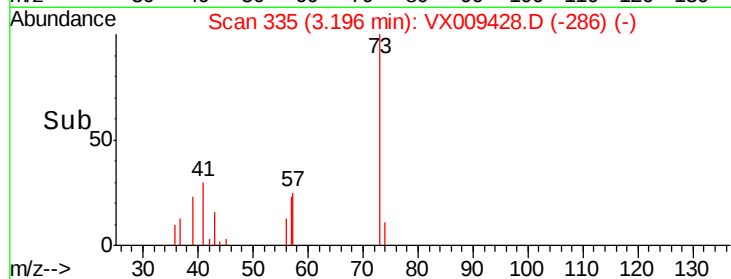
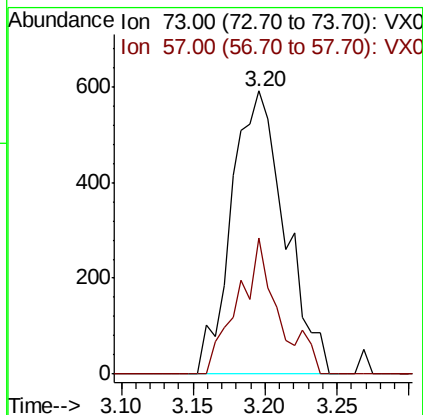
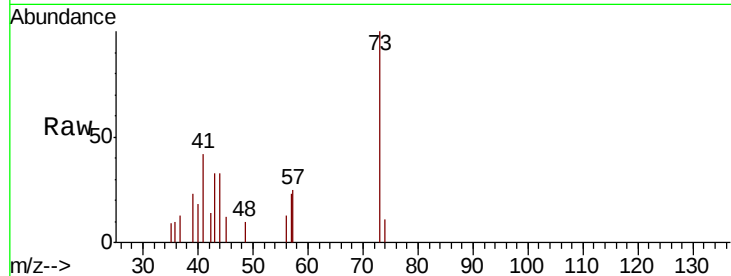


#19

Methyl tert-butyl Ether
 Concen: 0.229 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009428.D
 Acq: 09 May 2019 15:25

Instrument :
 MSVOA_X
 ClientSampled :

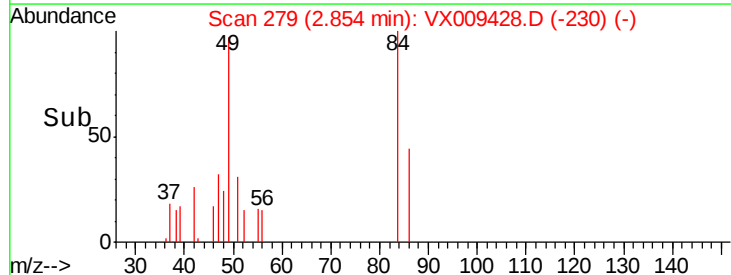
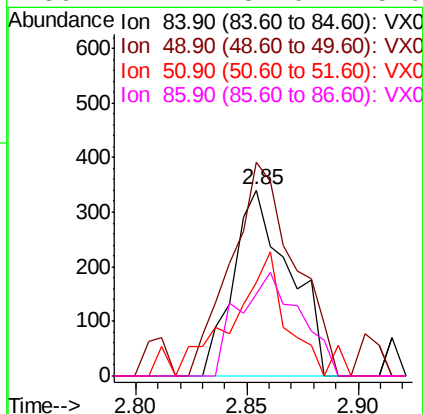
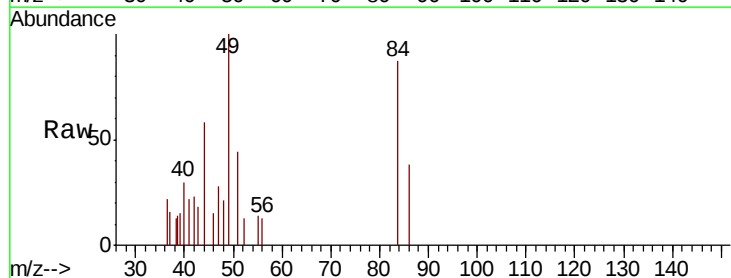
Tot Ion: 73 Resp: 1530
 Ion Ratio Lower Upper
 73 100
 57 47.9 19.3 28.9#

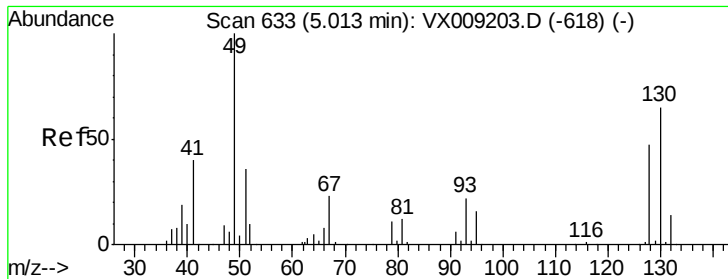


#20

Methylene Chloride
 Concen: 0.275 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009428.D
 Acq: 09 May 2019 15:25

Tgt Ion: 84 Resp: 600
 Ion Ratio Lower Upper
 84 100
 49 115.0 109.9 164.9
 51 34.7 32.7 49.1
 86 44.1 52.0 78.0#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009428.D

Acq: 09 May 2019 15:25

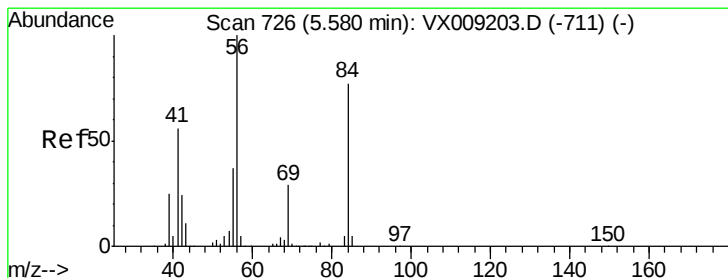
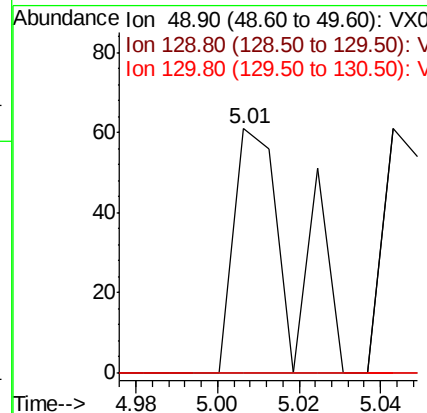
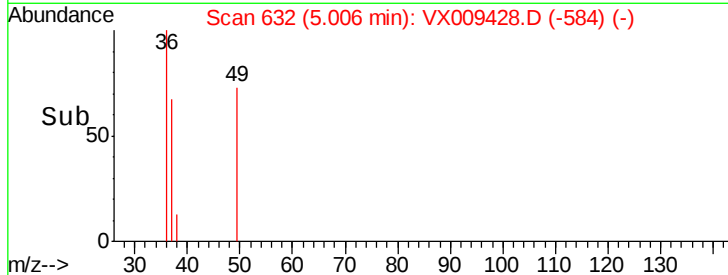
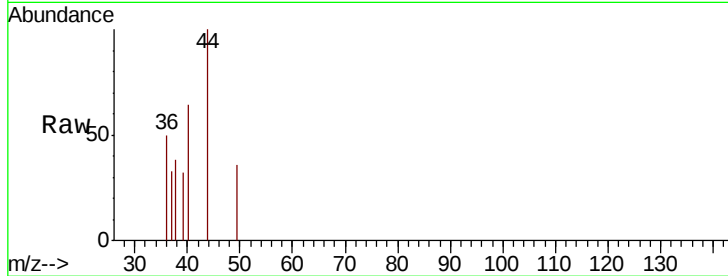
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 49 Resp: 61

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	51.2	76.8#



#31

Cyclohexane

Concen: 1.110 ug/l

RT: 5.66 min Scan# 739

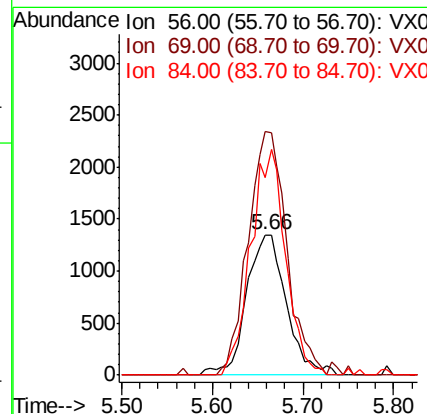
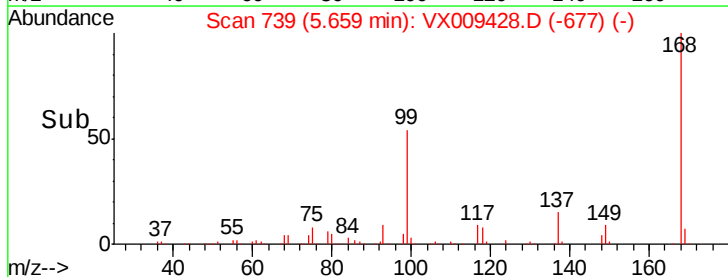
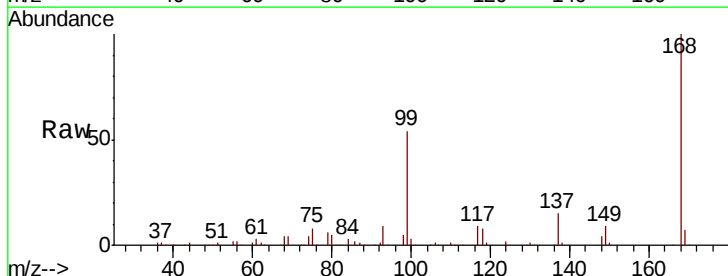
Delta R.T. 0.08 min

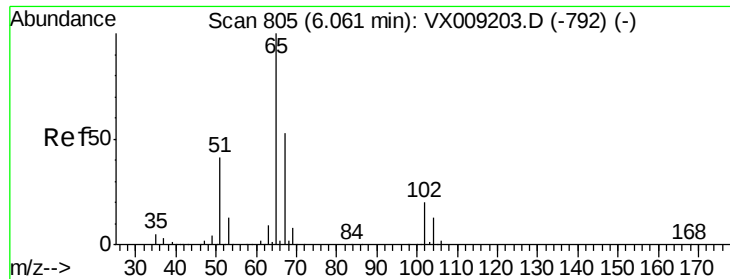
Lab File: VX009428.D

Acq: 09 May 2019 15:25

Tgt Ion: 56 Resp: 4117

Ion	Ratio	Lower	Upper
56	100		
69	173.9	23.4	35.0#
84	141.2	61.9	92.9#

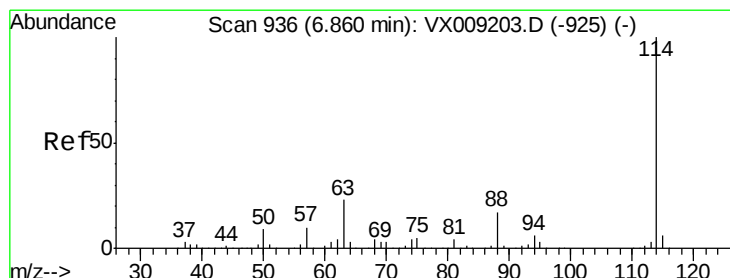
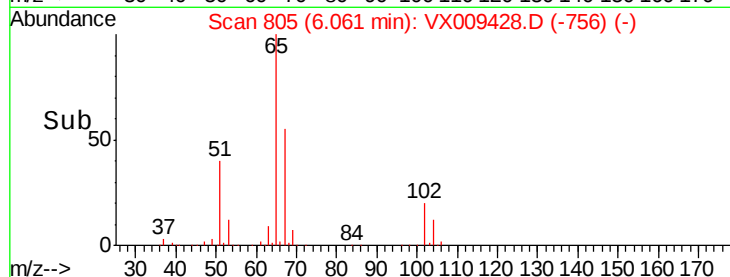
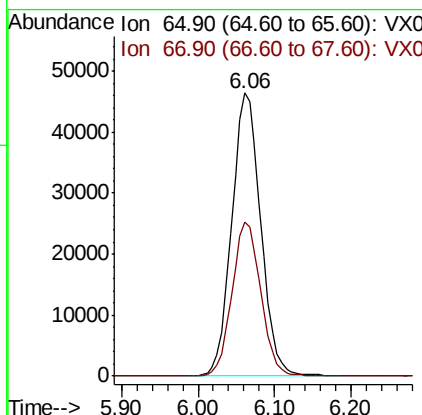
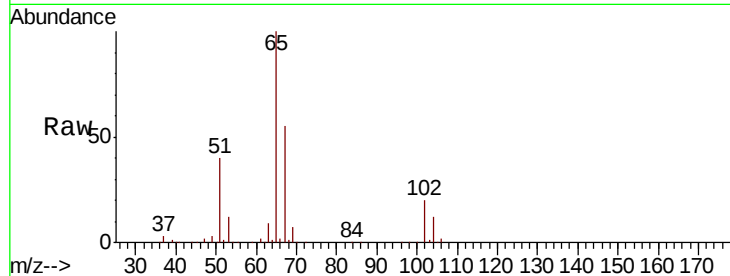




#33
 1,2-Dichloroethane-d4
 Concen: 48.563 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009428.D
 Acq: 09 May 2019 15:25

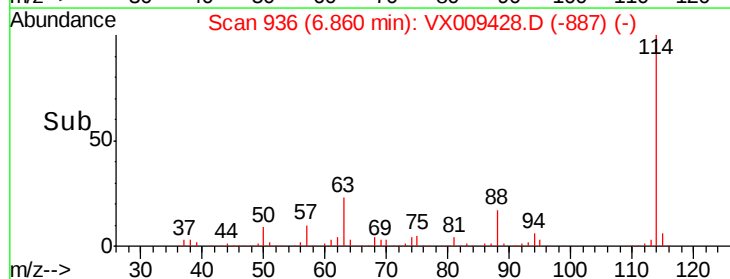
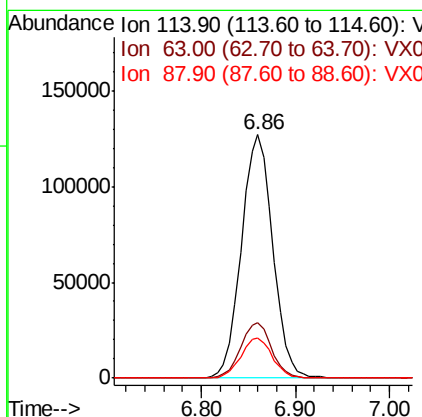
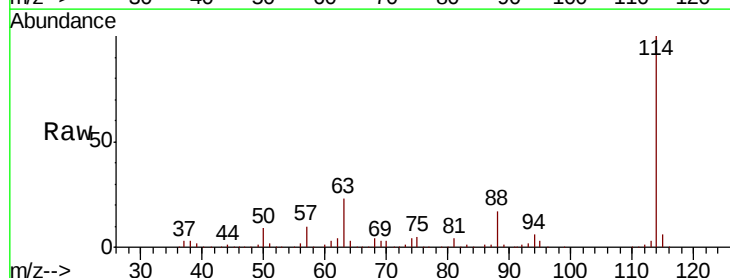
Instrument :
 MSVOA_X
 ClientSampleId :

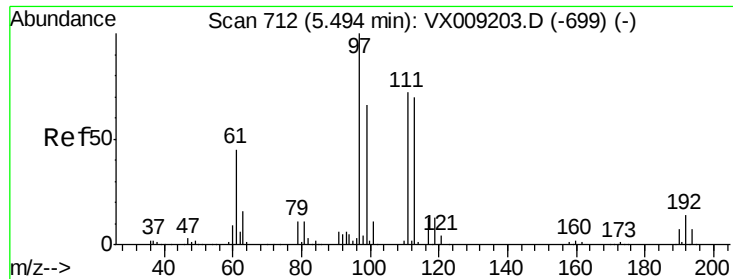
Tot Ion: 65 Resp: 121794
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009428.D
 Acq: 09 May 2019 15:25

Tgt Ion: 114 Resp: 296648
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.539 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009428.D

Acq: 09 May 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

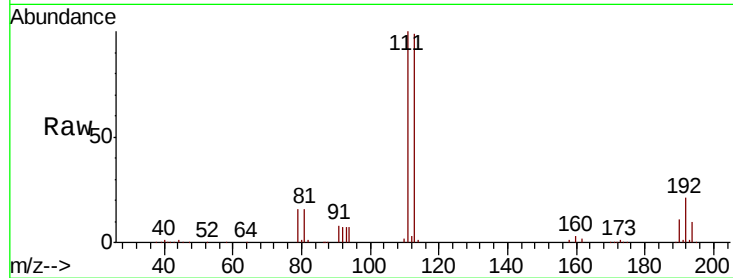
Tot Ion:113 Resp: 90518

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

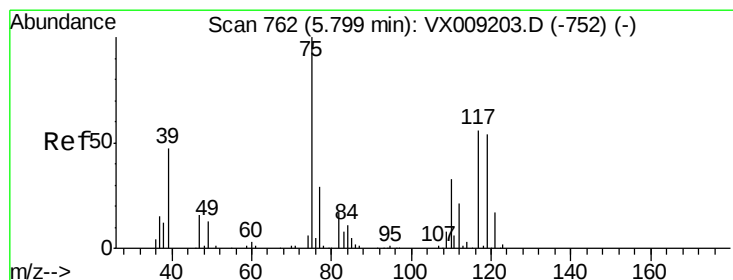
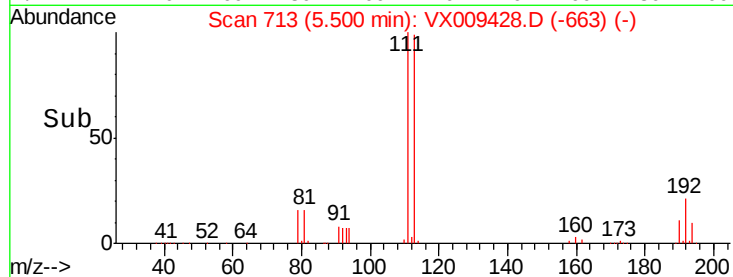
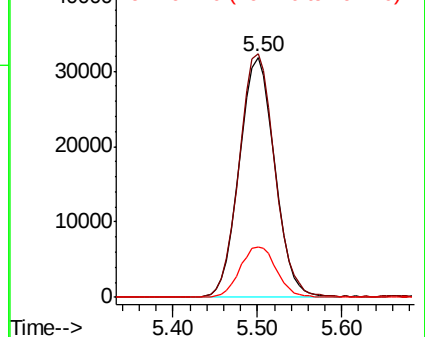
192 21.8 17.0 25.6



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: 5.043 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009428.D

Acq: 09 May 2019 15:25

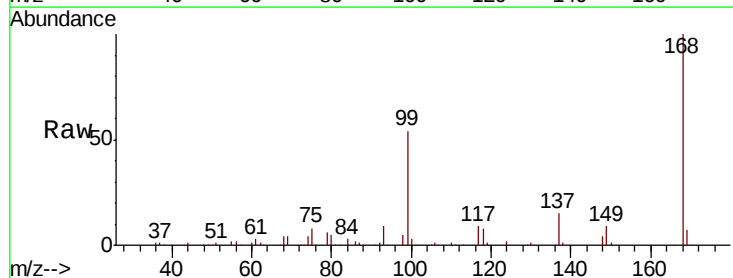
Tgt Ion: 75 Resp: 13903

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.6#

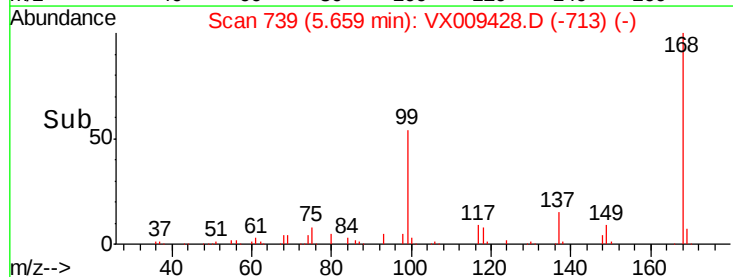
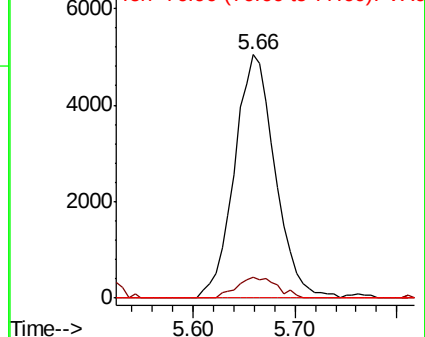
77 0.0 24.8 37.2#

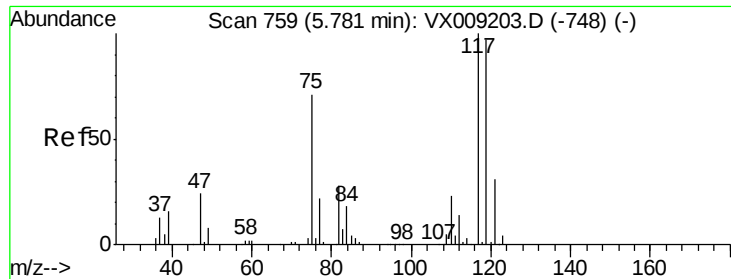


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

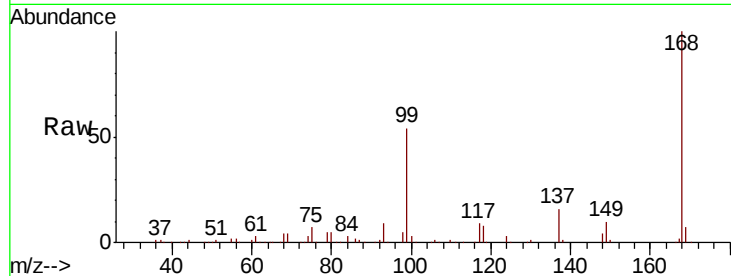




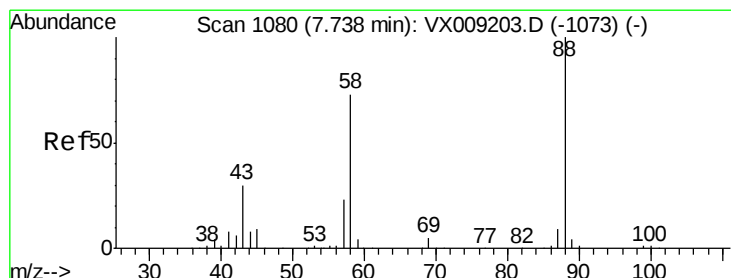
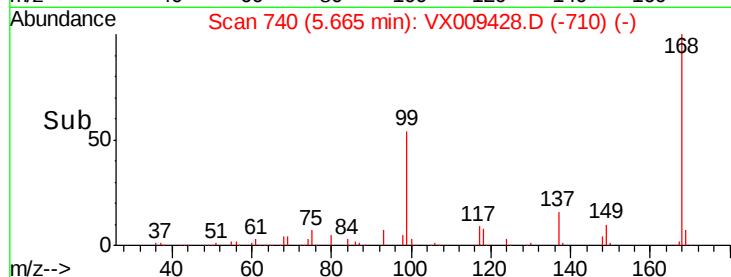
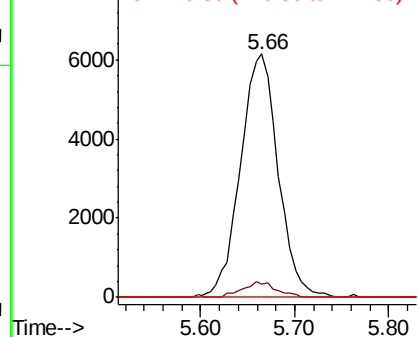
#38
Carbon Tetrachloride
Concen: 6.878 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009428.D
Acq: 09 May 2019 15:25

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 17227
Ion Ratio Lower Upper
117 100
119 5.2 77.5 116.3#
121 0.0 24.7 37.1#

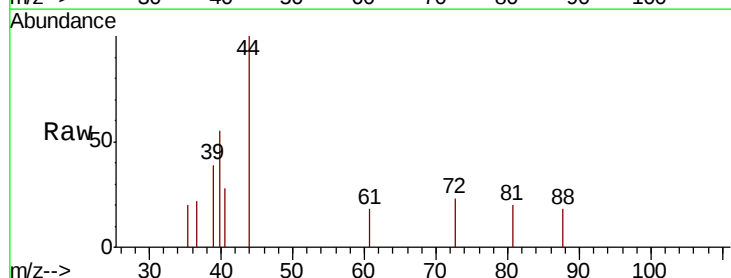


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

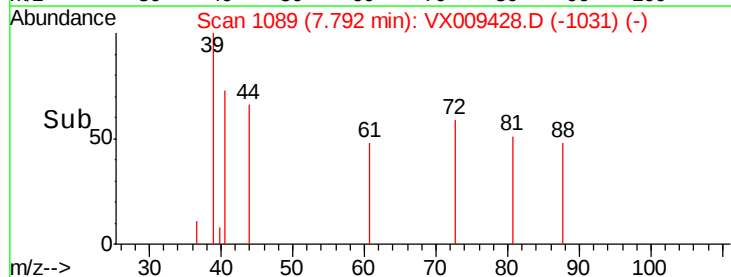
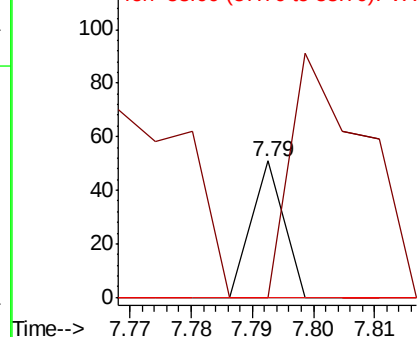


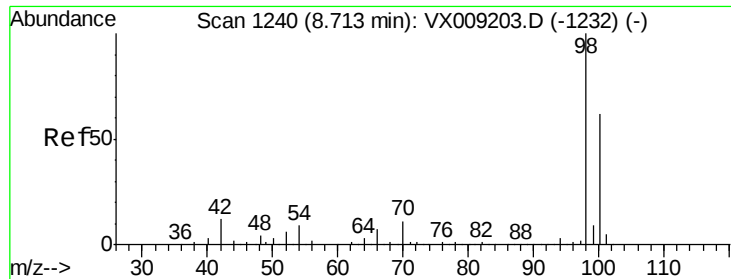
#49
1,4-Dioxane
Concen: 0.307 ug/l
RT: 7.79 min Scan# 1089
Delta R.T. 0.05 min
Lab File: VX009428.D
Acq: 09 May 2019 15:25

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 515.8 28.6 42.8#
58 0.0 61.7 92.5#



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: 48.721 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009428.D

Acq: 09 May 2019 15:25

Instrument :

MSVOA_X

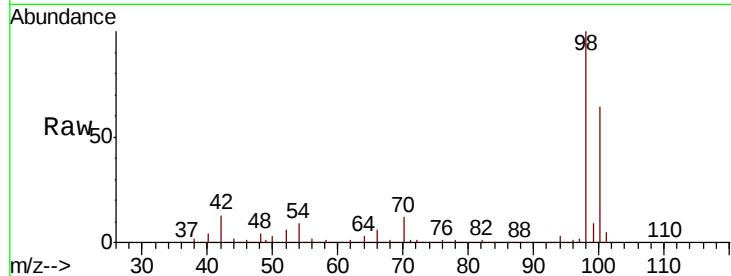
ClientSampled :

Tot Ion: 98 Resp: 366812

Ion Ratio Lower Upper

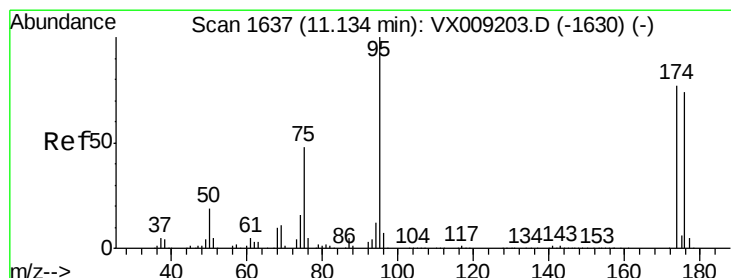
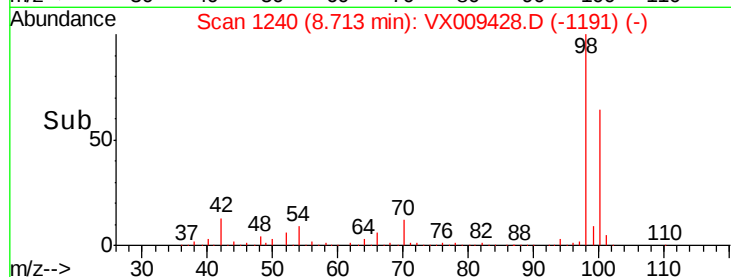
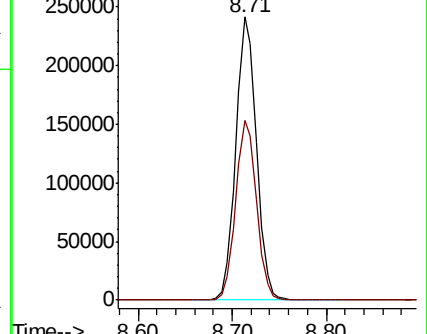
98 100

100 64.1 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: 43.529 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009428.D

Acq: 09 May 2019 15:25

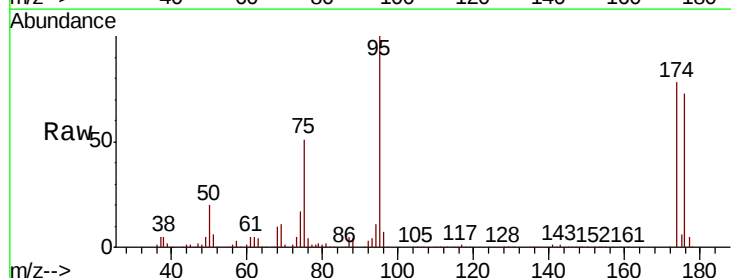
Tgt Ion: 95 Resp: 119082

Ion Ratio Lower Upper

95 100

174 82.6 0.0 161.6

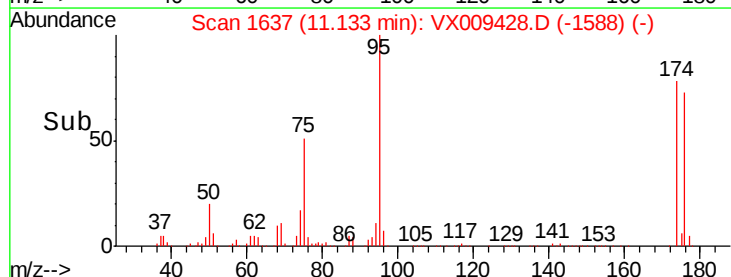
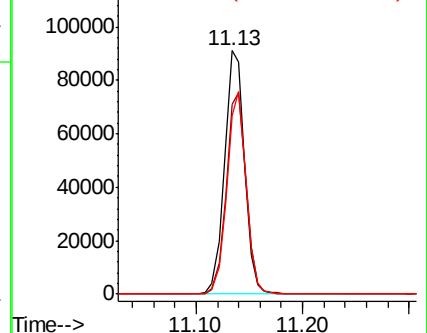
176 80.0 0.0 159.2

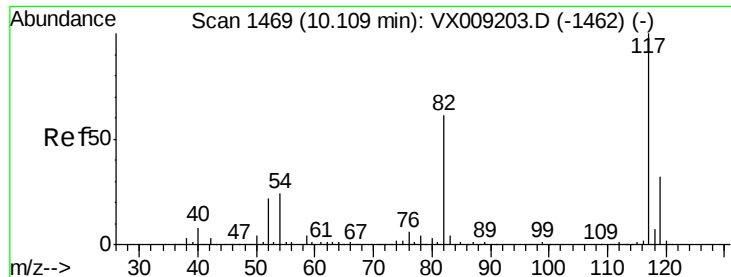


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

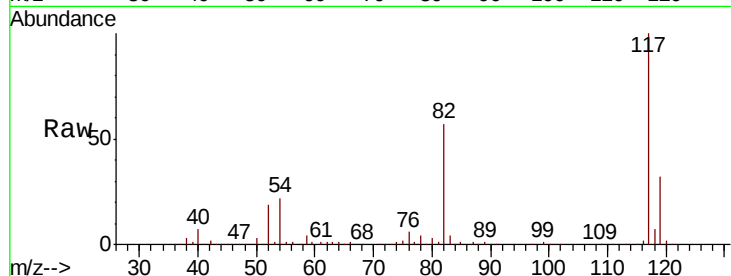




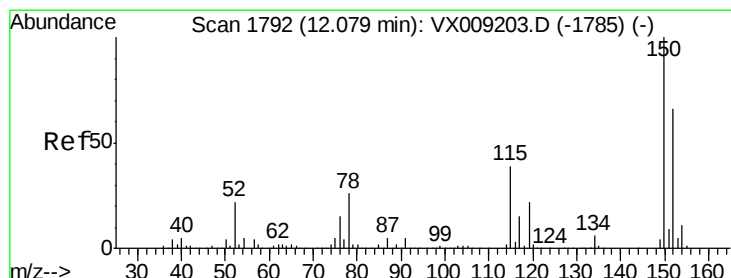
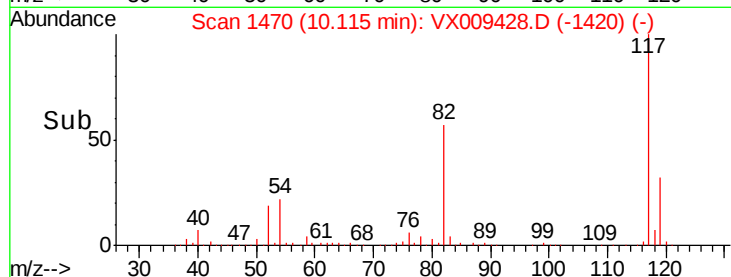
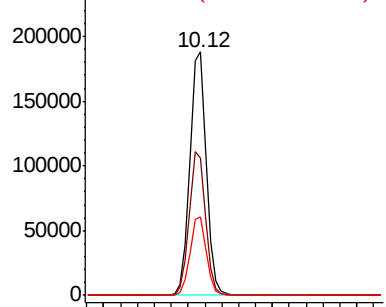
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009428.D
Acq: 09 May 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 255740
Ion Ratio Lower Upper
117 100
82 56.6 48.8 73.2
119 32.2 25.8 38.6

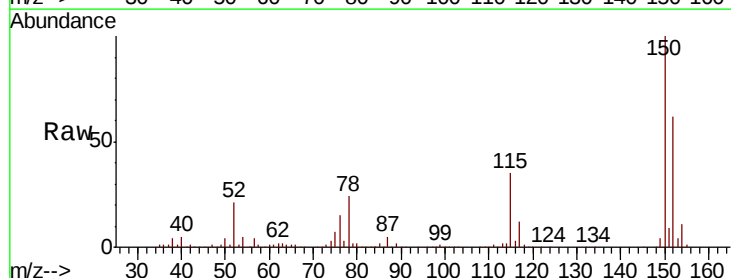


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

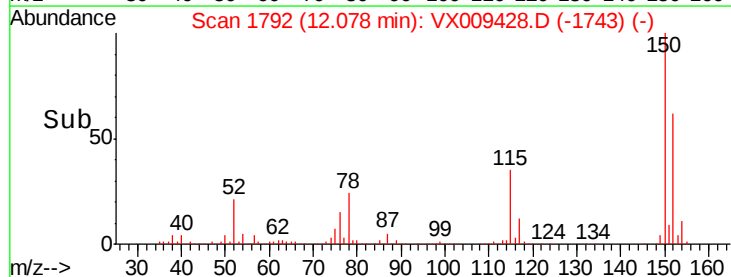
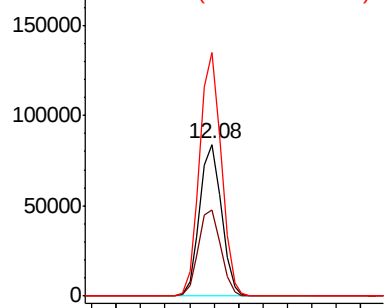


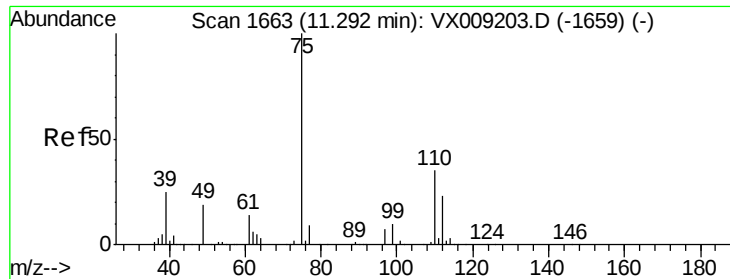
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009428.D
Acq: 09 May 2019 15:25

Tgt Ion:152 Resp: 104009
Ion Ratio Lower Upper
152 100
115 58.4 41.2 123.6
150 158.8 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: 24.928 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009428.D

Acq: 09 May 2019 15:25

Instrument :

MSVOA_X

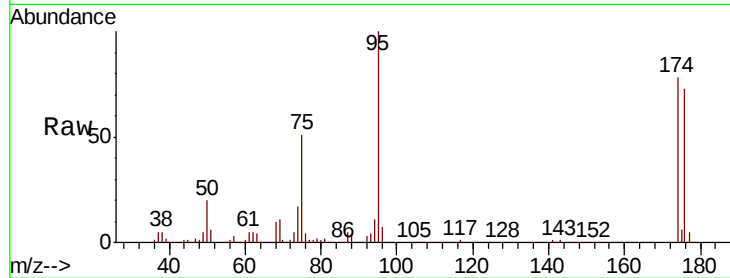
ClientSampleId :

Tot Ion: 75 Resp: 60141

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

50000

40000

30000

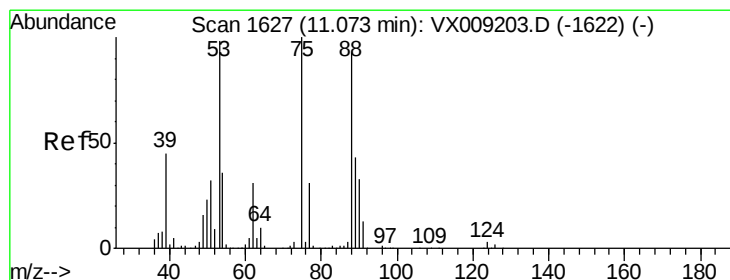
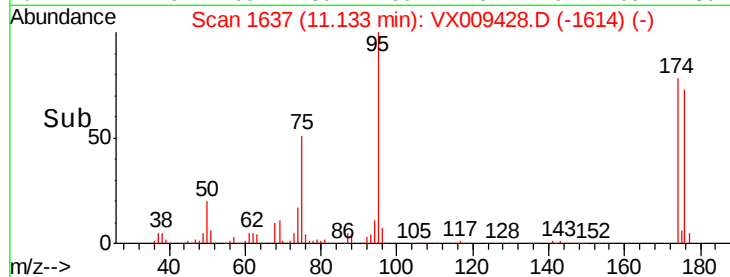
20000

10000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 63.781 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009428.D

Acq: 09 May 2019 15:25

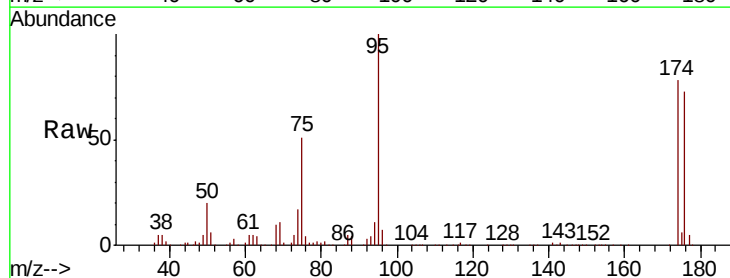
Tgt Ion: 75 Resp: 60141

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

11.13

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.15 11.20

