

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009460.D
 Acq On : 10 May 2019 04:36
 Operator : JC/SP
 Sample : K2782-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:13:31 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	192778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311972	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	270998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119480	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	127561	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
35) Dibromofluoromethane	5.50	113	94482	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	8.71	98	387329	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	11.13	95	130399	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	

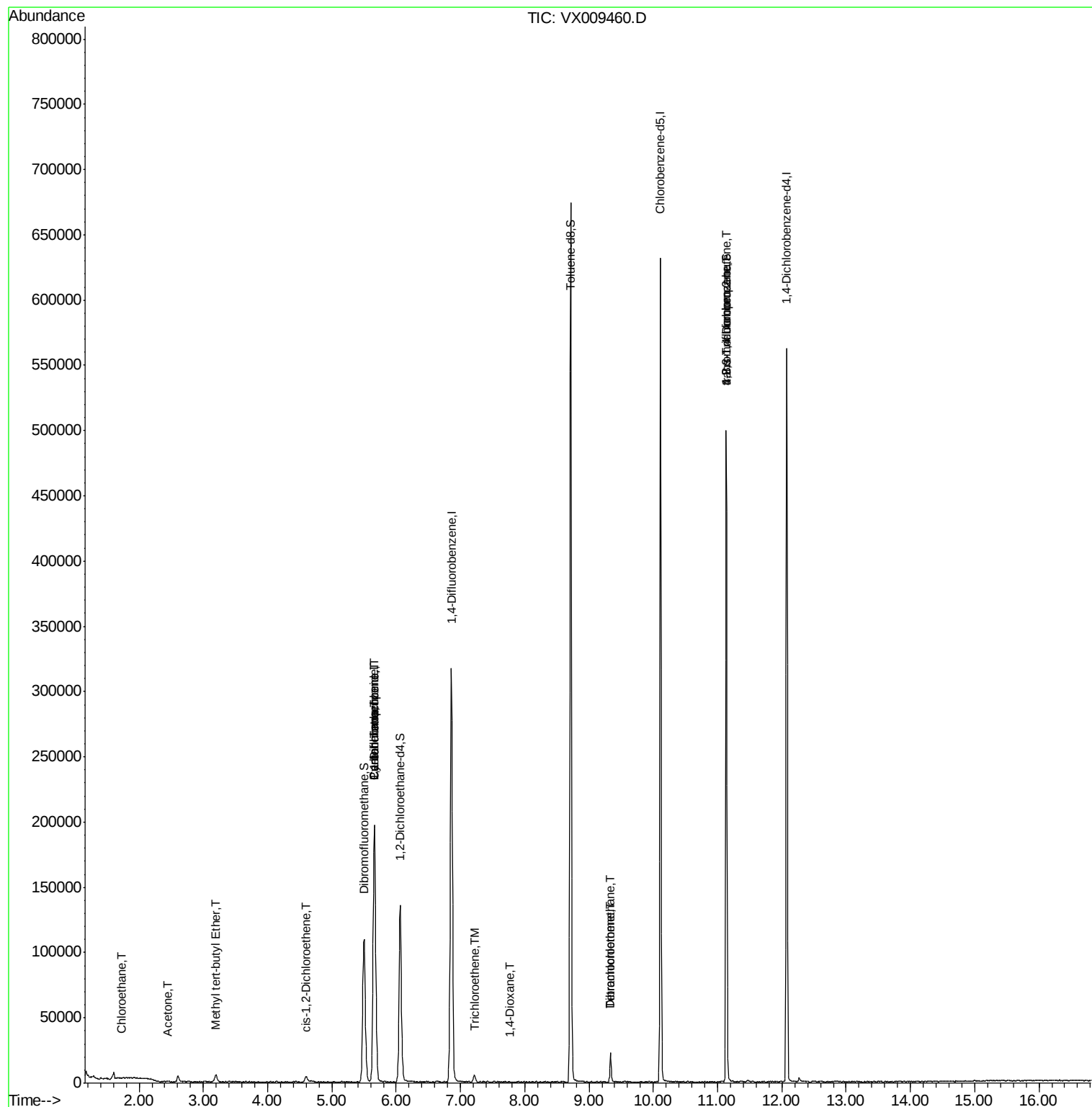
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	1868	1.230	ug/l #	43
16) Acetone	2.44	43	832	0.589	ug/l	90
19) Methyl tert-butyl Ether	3.19	73	5940	0.846	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	2869	1.225	ug/l	88
28) Bromochloromethane	5.00	49	27	Below Cal	#	20
31) Cyclohexane	5.65	56	4228	1.087	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14390	4.963	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17977	6.825	ug/l #	16
44) Trichloroethene	7.21	130	2226	1.026	ug/l	91
49) 1,4-Dioxane	7.76	88	44	0.677	ug/l #	1
60) Dibromochloromethane	9.34	129	4059	1.868	ug/l #	11
64) Tetrachloroethene	9.34	164	4175	2.246	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	65396	23.596	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65396	60.373	ug/l #	10

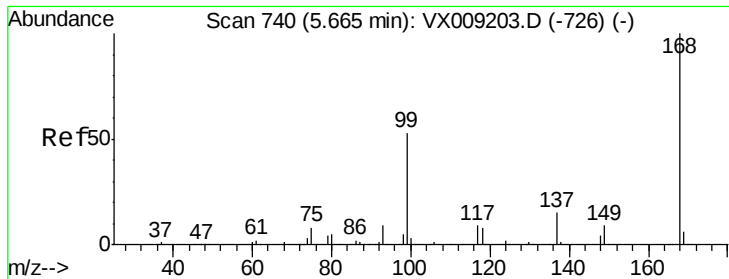
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 10 07:13:31 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: VX009460.D

Acq: 10 May 2019 04:36

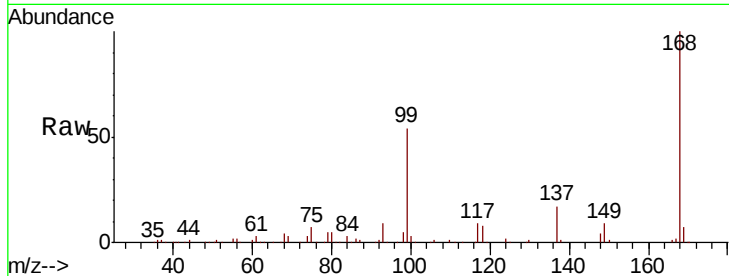
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 192778

Ion Ratio Lower Upper

168 100

99 54.2 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

80000

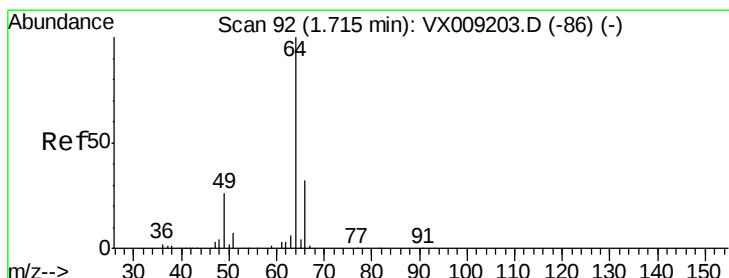
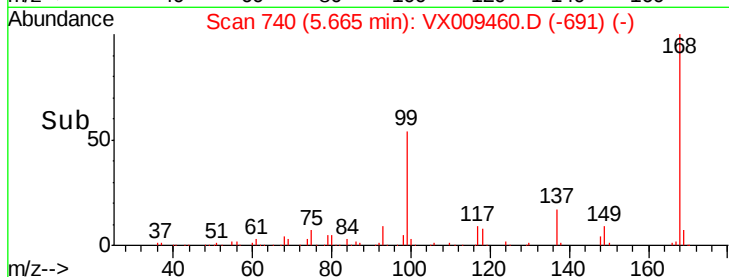
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 1.230 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009460.D

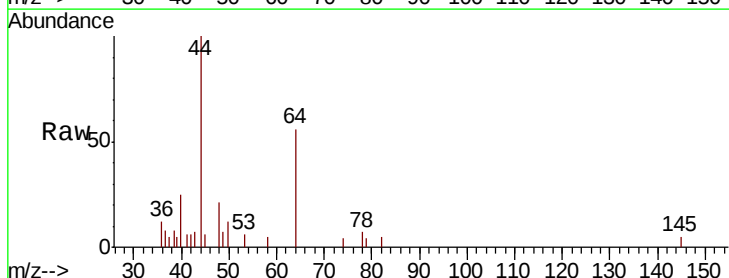
Acq: 10 May 2019 04:36

Tgt Ion: 64 Resp: 1868

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

800

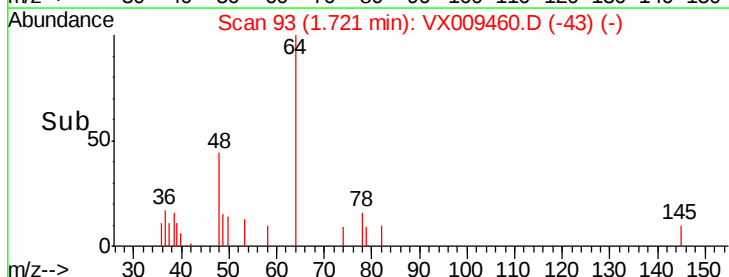
600

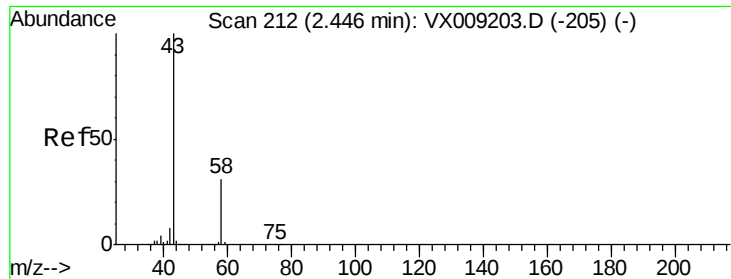
400

200

0

Time--> 1.60 1.65 1.70 1.75





#16

Acetone

Concen: 0.589 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009460.D

Acq: 10 May 2019 04:36

Instrument :

MSVOA_X

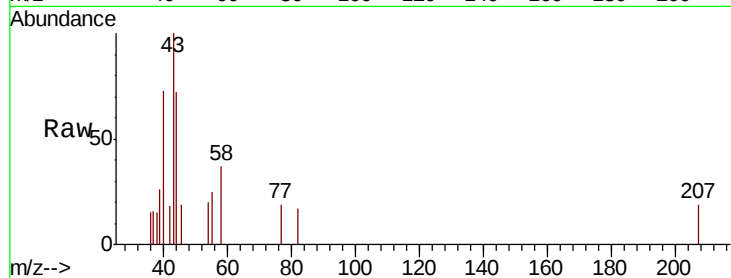
ClientSampleId :

Tot Ion: 43 Resp: 832

Ion Ratio Lower Upper

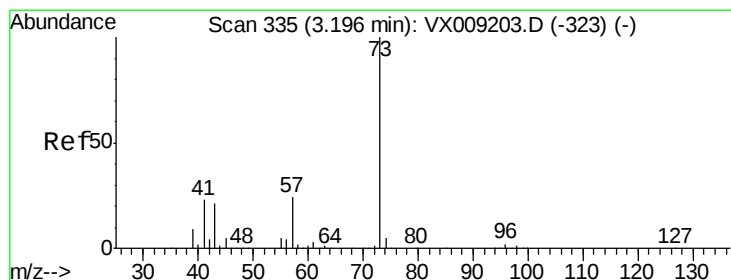
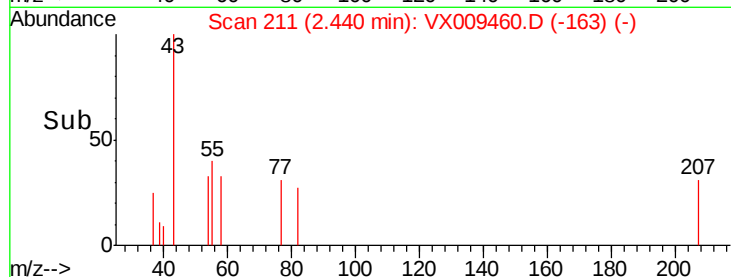
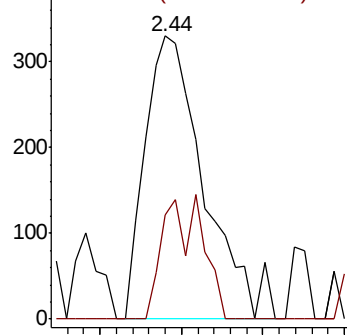
43 100

58 36.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 0.846 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.01 min

Lab File: VX009460.D

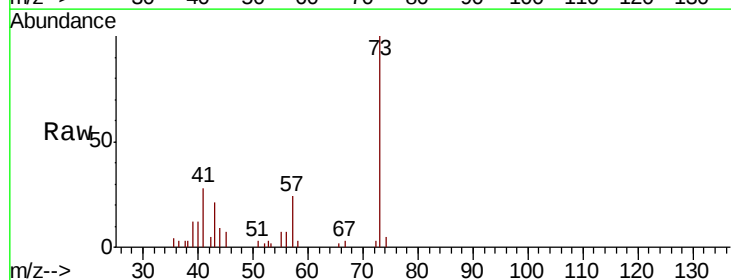
Acq: 10 May 2019 04:36

Tgt Ion: 73 Resp: 5940

Ion Ratio Lower Upper

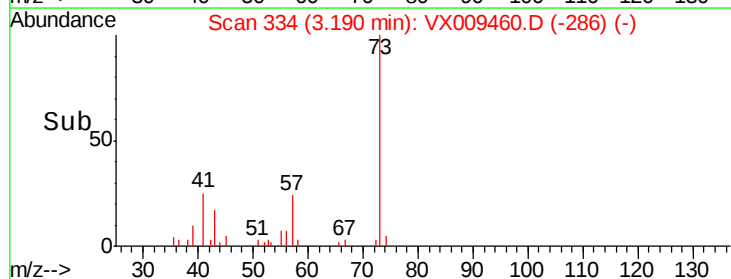
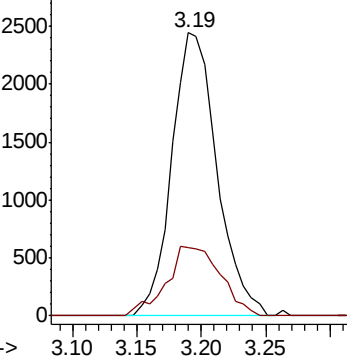
73 100

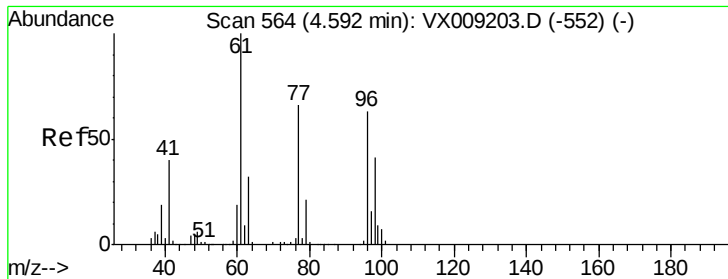
57 24.2 19.3 28.9



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



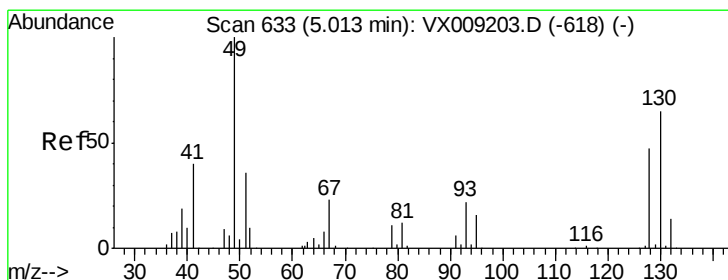
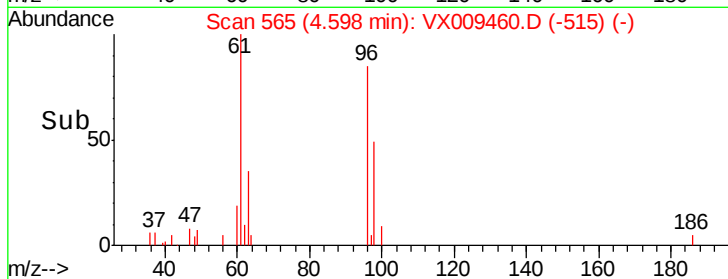
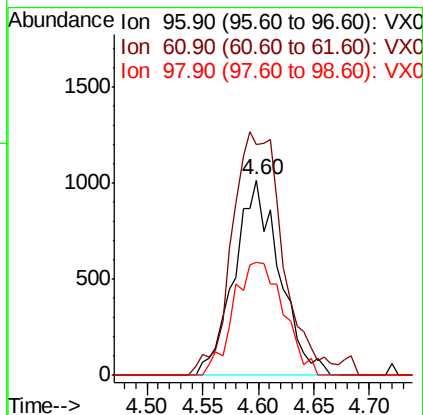
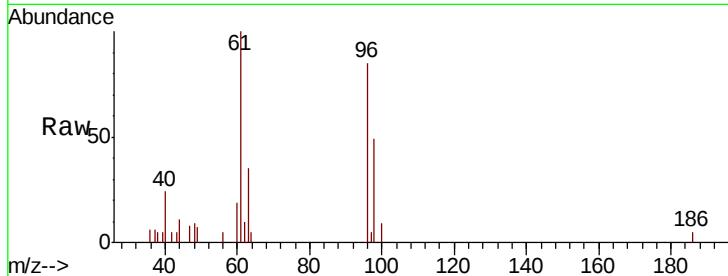


#27

cis-1,2-Dichloroethene
Concen: 1.225 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009460.D
Acq: 10 May 2019 04:36

Instrument :
MSVOA_X
ClientSampleId :

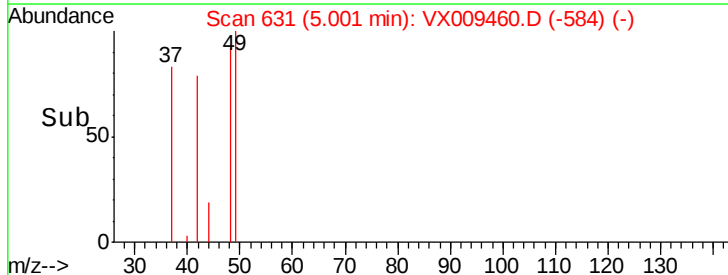
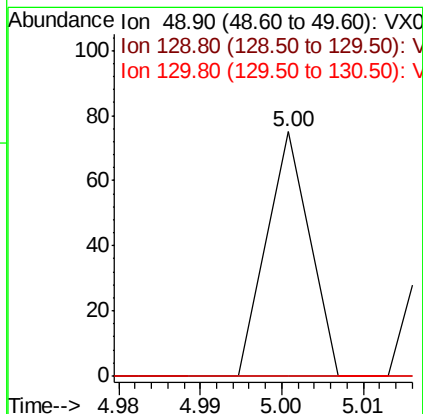
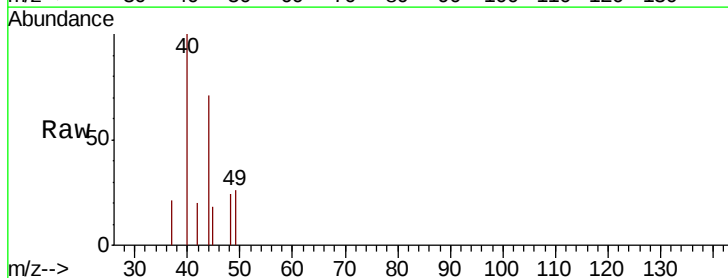
Tot Ion: 96 Resp: 2869
Ion Ratio Lower Upper
96 100
61 140.9 0.0 324.0
98 64.2 0.0 130.4

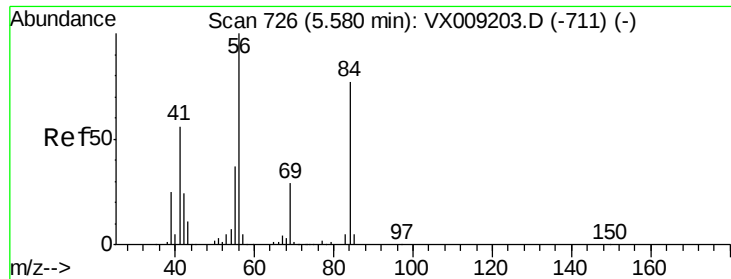


#28

Bromochloromethane
Concen: Below Cal
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX009460.D
Acq: 10 May 2019 04:36

Tgt Ion: 49 Resp: 27
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#

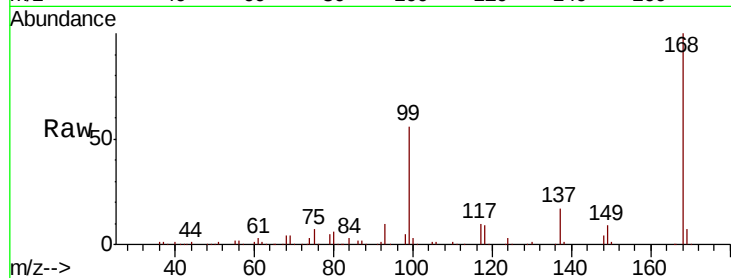




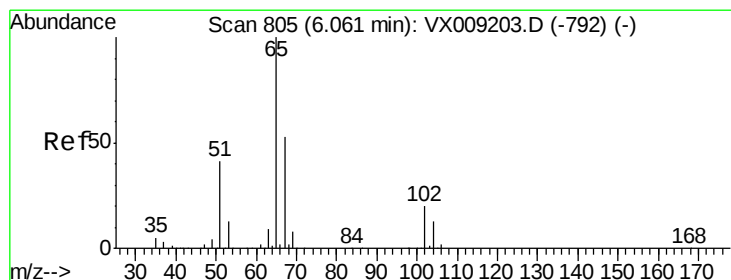
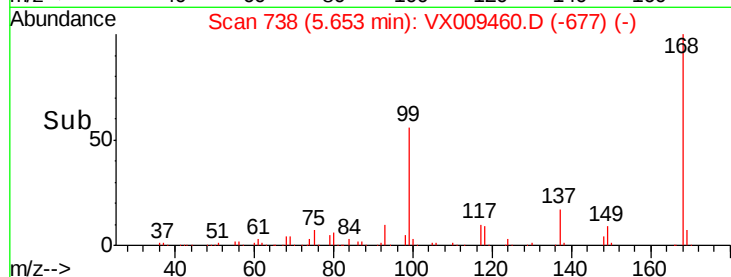
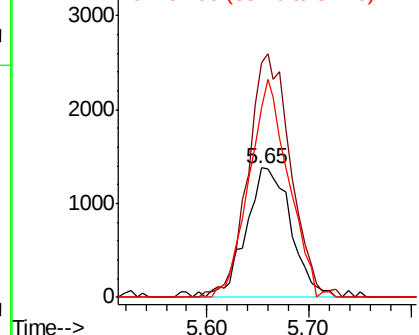
#31
Cyclohexane
Concen: 1.087 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009460.D
Acq: 10 May 2019 04:36

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
56	100		
69	181.0	23.4	35.0#
84	147.2	61.9	92.9#

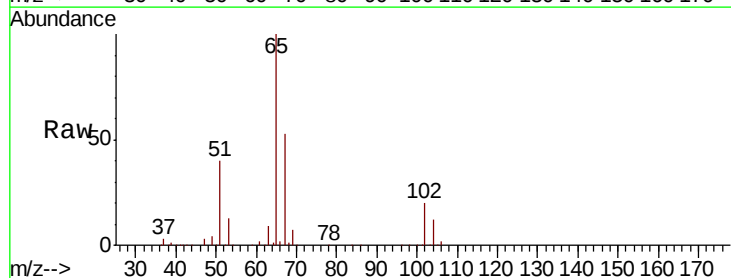


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

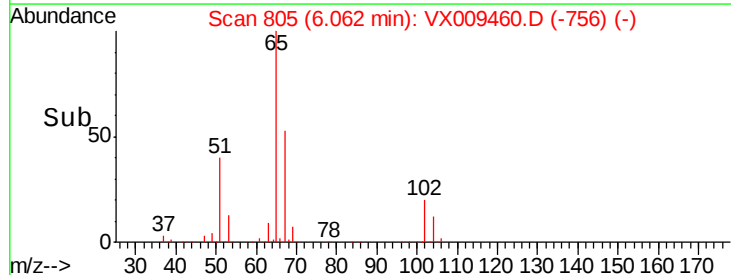
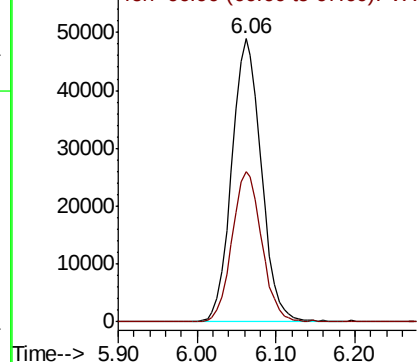


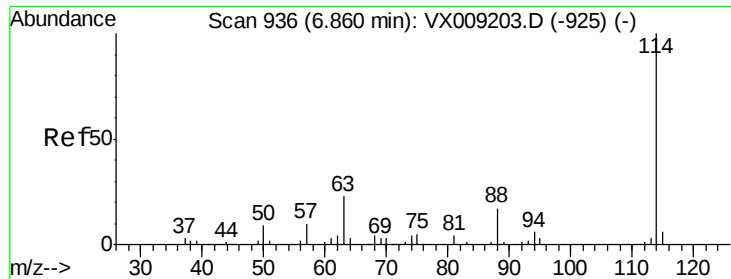
#33
1,2-Dichloroethane-d4
Concen: 48.472 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009460.D
Acq: 10 May 2019 04:36

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.6



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

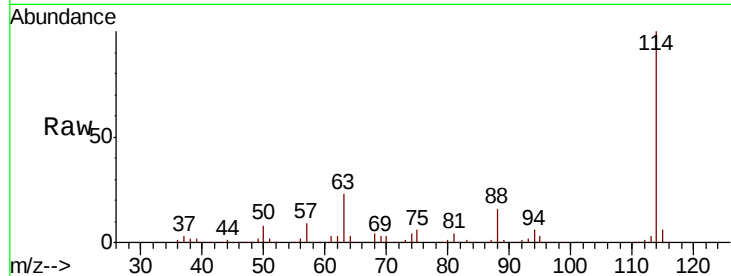




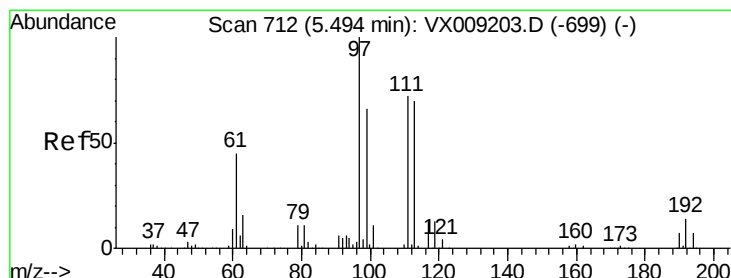
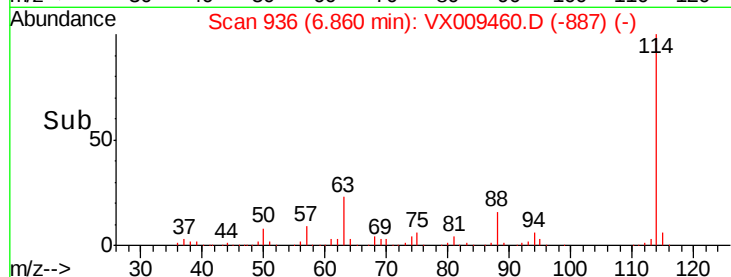
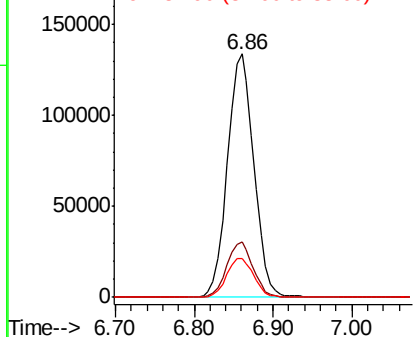
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009460.D
 Acq: 10 May 2019 04:36

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 311972
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.1 0.0 33.2

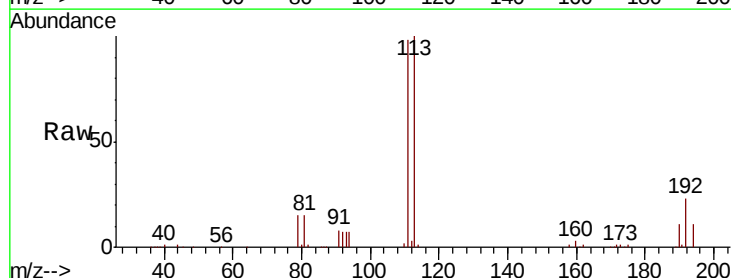


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

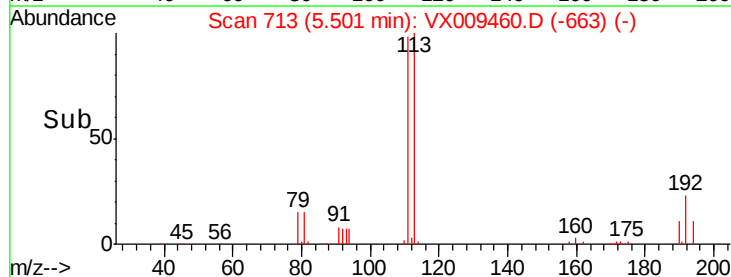
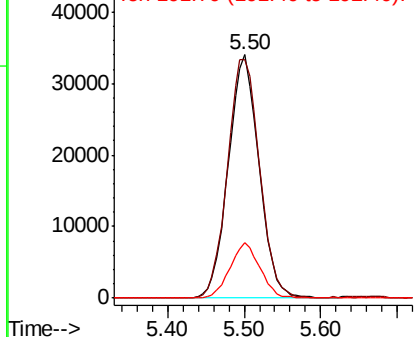


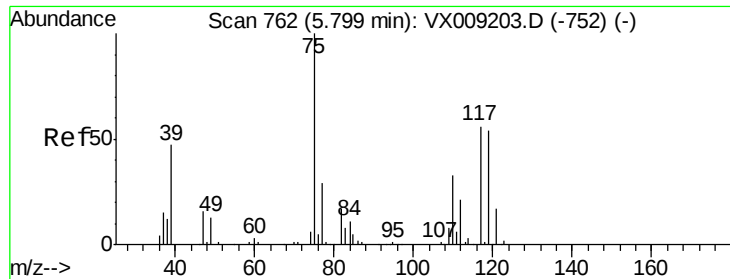
#35
 Dibromofluoromethane
 Concen: 48.176 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009460.D
 Acq: 10 May 2019 04:36

Tgt Ion:113 Resp: 94482
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 22.2 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

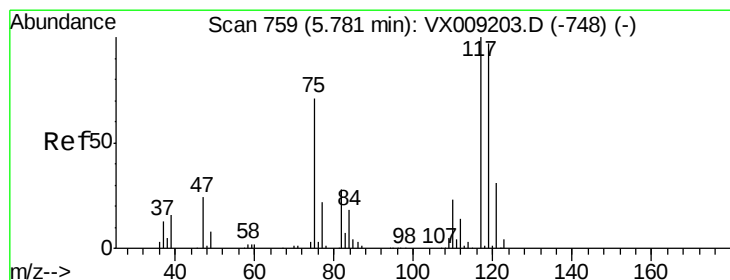
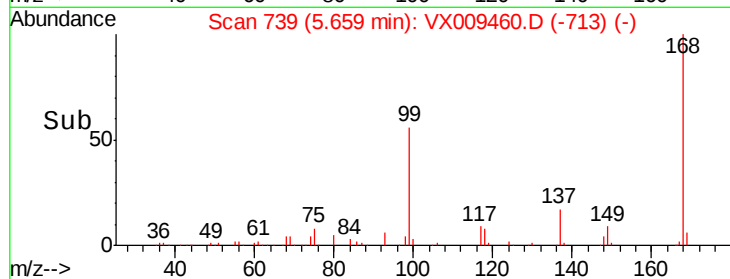
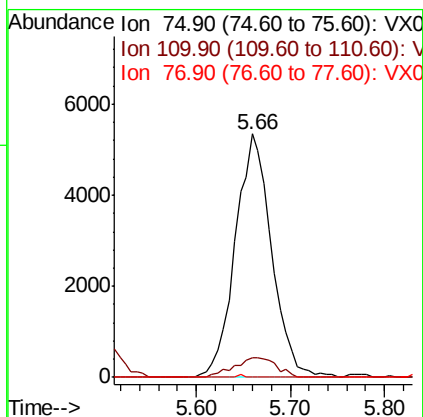
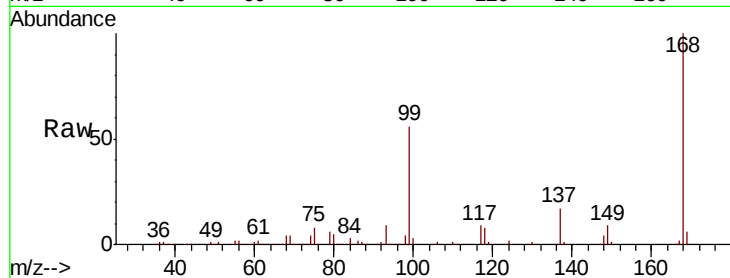




#36
 1,1-Dichloropropene
 Concen: 4.963 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009460.D
 Acq: 10 May 2019 04:36

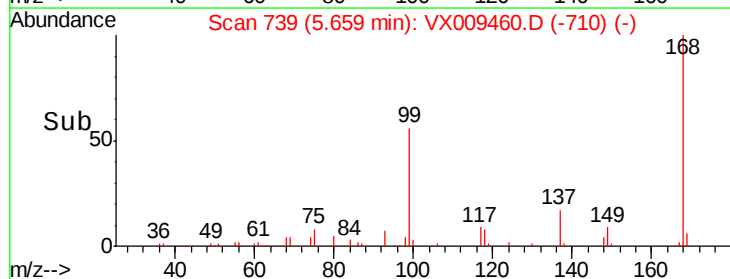
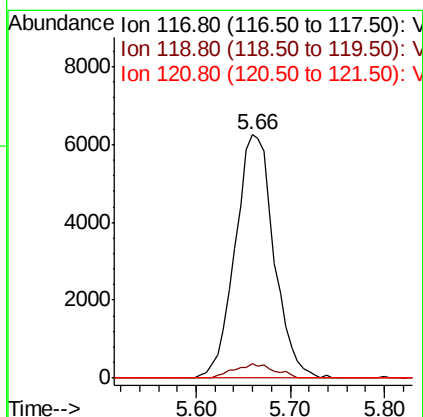
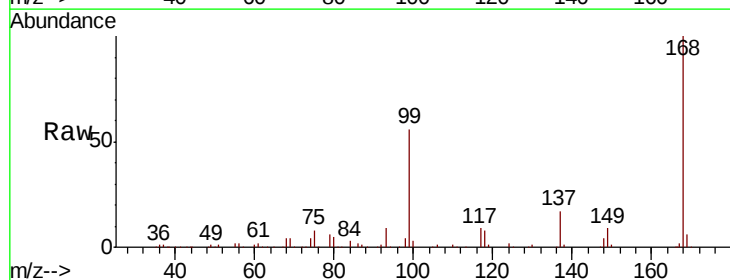
Instrument :
 MSVOA_X
 ClientSampleId :

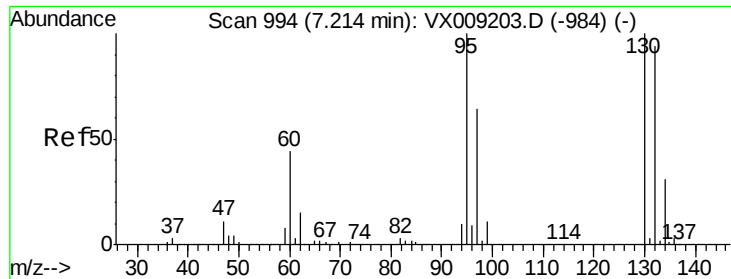
Tot Ion	75	Resp	14390
Ion Ratio	Lower	Upper	
75	100		
110	9.4	16.9	50.6#
77	0.1	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.825 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009460.D
 Acq: 10 May 2019 04:36

Tgt Ion	117	Resp	17977
Ion Ratio	Lower	Upper	
117	100		
119	5.7	77.5	116.3#
121	0.0	24.7	37.1#

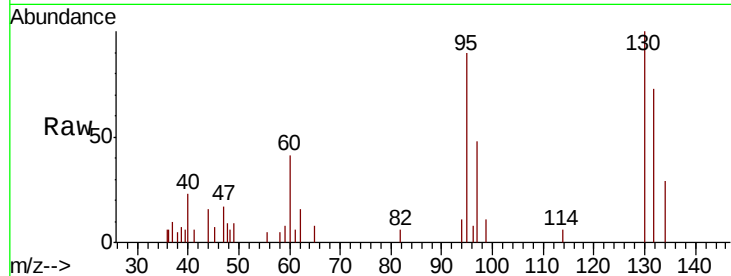




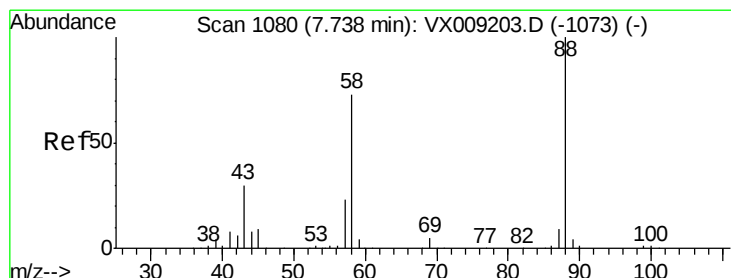
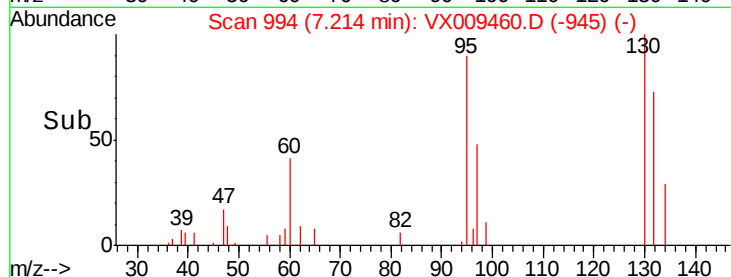
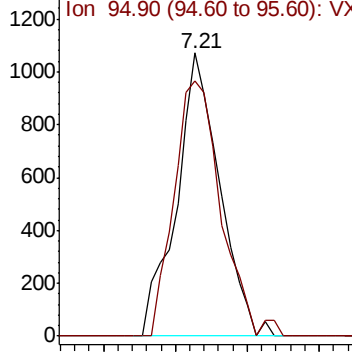
#44
 Trichloroethene
 Concen: 1.026 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009460.D
 Acq: 10 May 2019 04:36

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:130 Resp: 2226
 Ion Ratio Lower Upper
 130 100
 95 90.3 0.0 199.2

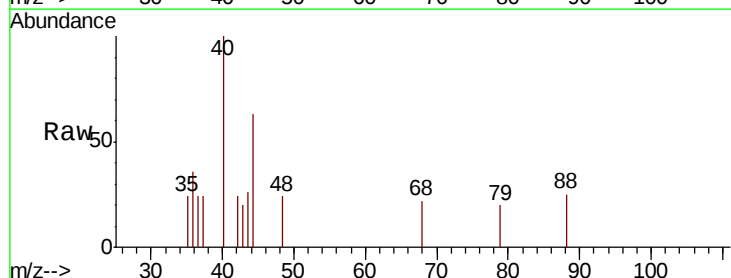


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

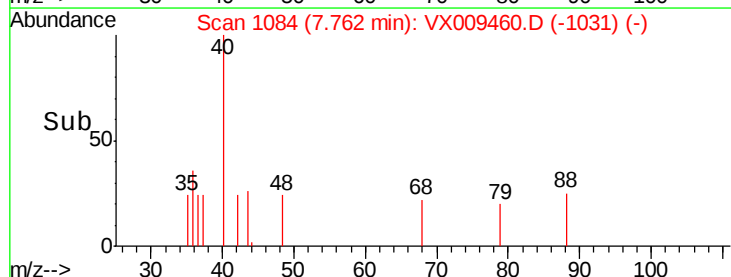
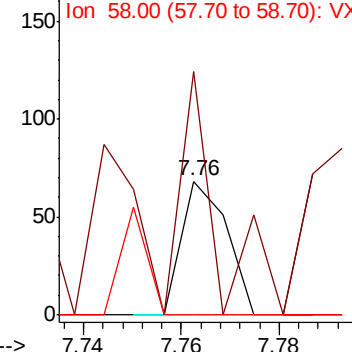


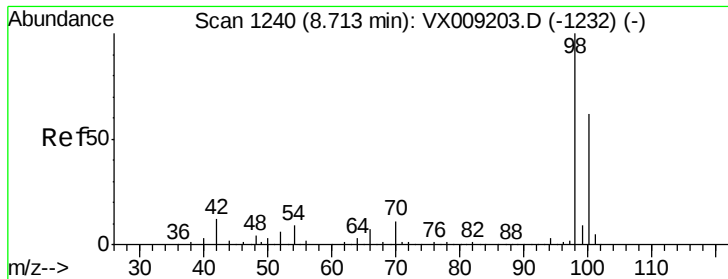
#49
 1,4-Dioxane
 Concen: 0.677 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.02 min
 Lab File: VX009460.D
 Acq: 10 May 2019 04:36

Tgt Ion: 88 Resp: 44
 Ion Ratio Lower Upper
 88 100
 43 145.5 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: 48.919 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009460.D

Acq: 10 May 2019 04:36

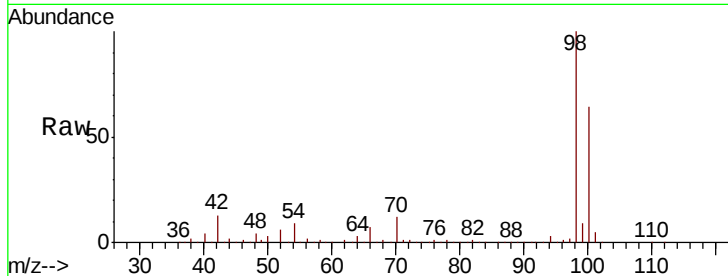
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 387329

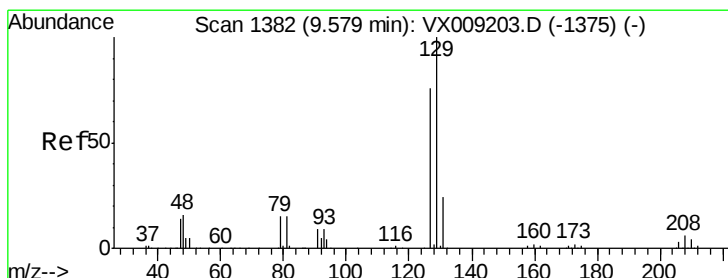
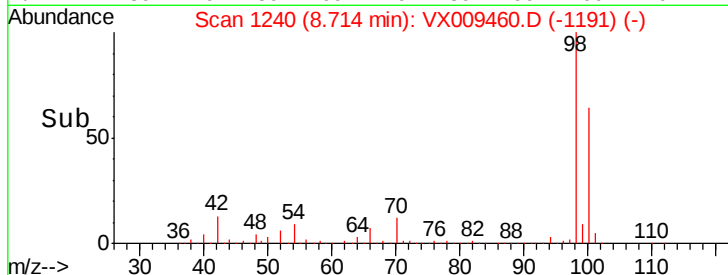
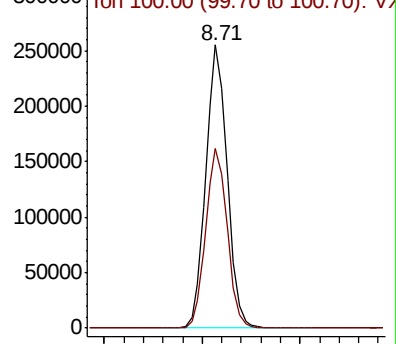
Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX009460.D (-1191) (-)



#60

Dibromochloromethane

Concen: 1.868 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009460.D

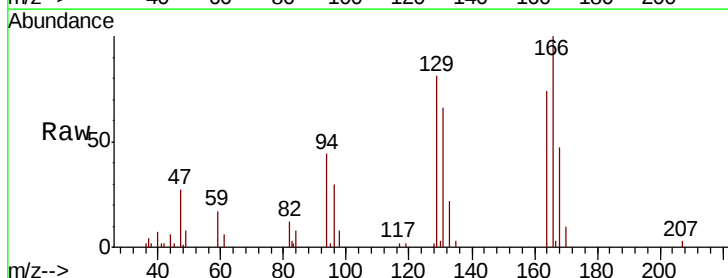
Acq: 10 May 2019 04:36

Tgt Ion: 129 Resp: 4059

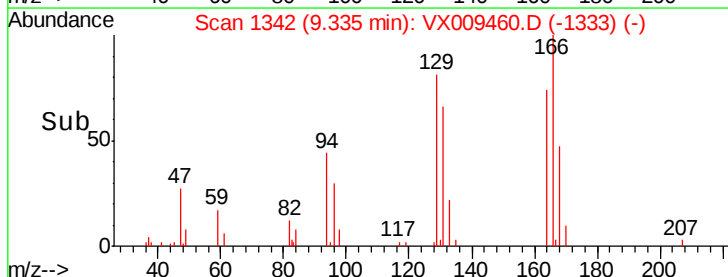
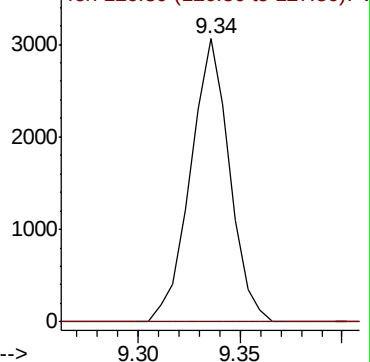
Ion Ratio Lower Upper

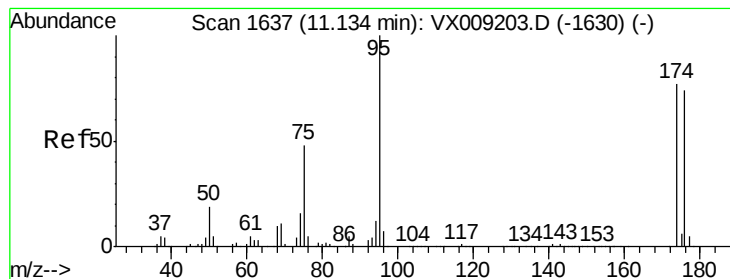
129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): VX009460.D (-1333) (-)





#62

4-Bromofluorobenzene

Concen: 45.324 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009460.D

Acq: 10 May 2019 04:36

Instrument :

MSVOA_X

ClientSampled :

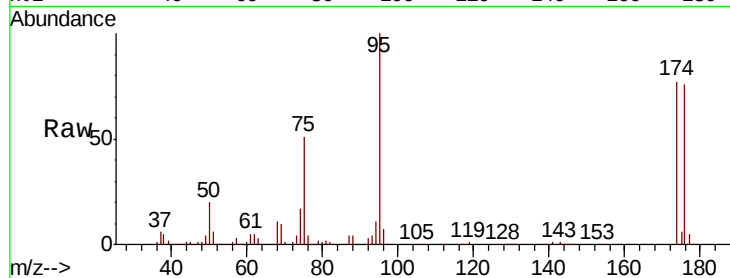
Tot Ion: 95 Resp: 130399

Ion Ratio Lower Upper

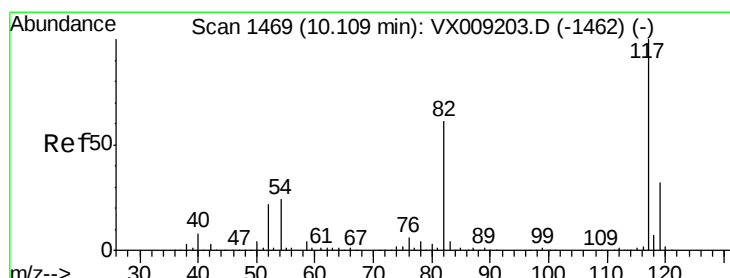
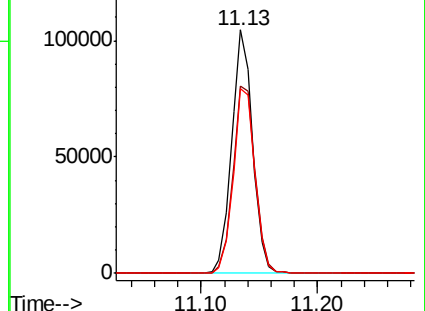
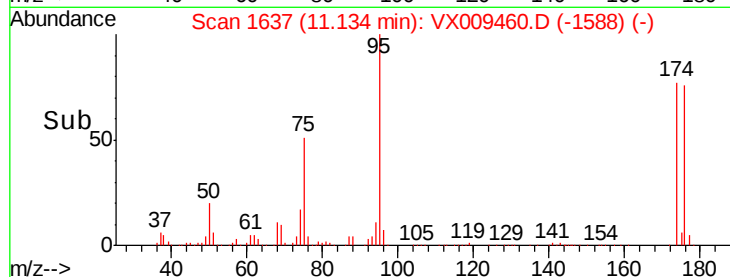
95 100

174 81.6 0.0 161.6

176 79.4 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009460.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009460.D

Acq: 10 May 2019 04:36

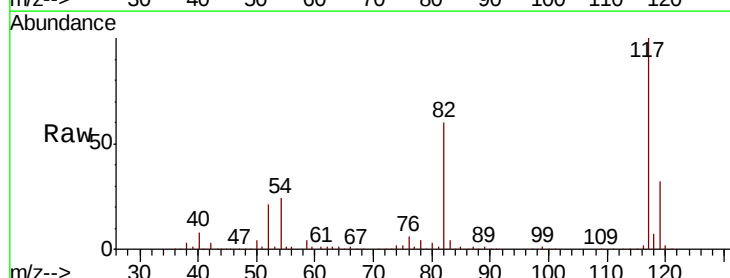
Tgt Ion: 117 Resp: 270998

Ion Ratio Lower Upper

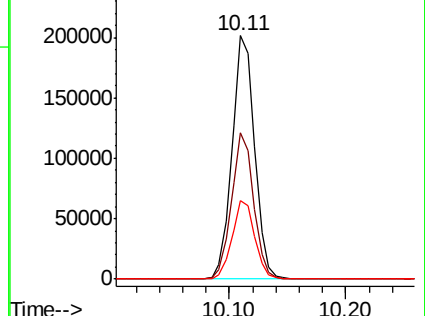
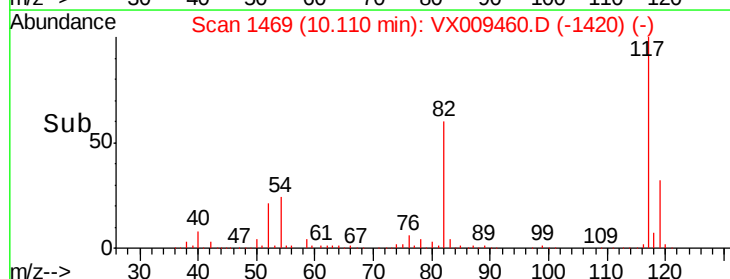
117 100

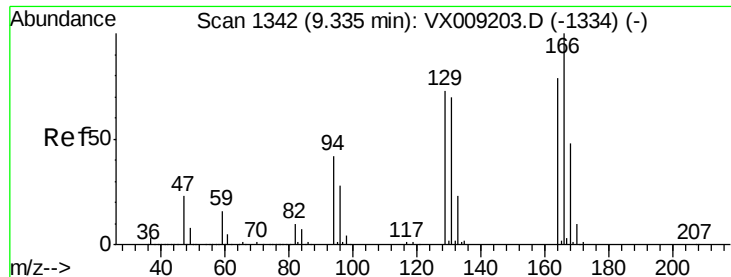
82 60.0 48.8 73.2

119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009460.D (-1420) (-)

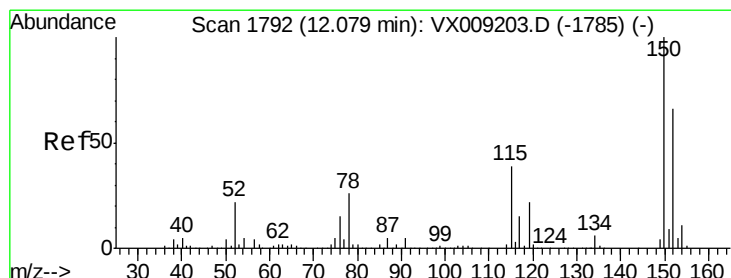
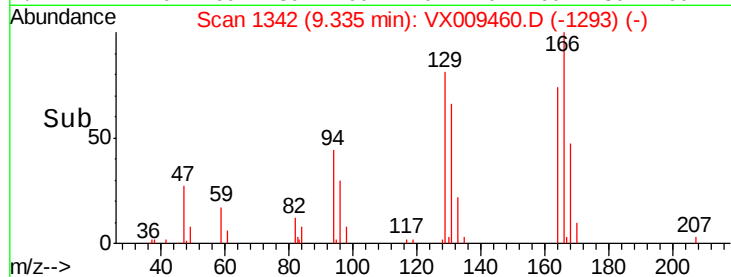
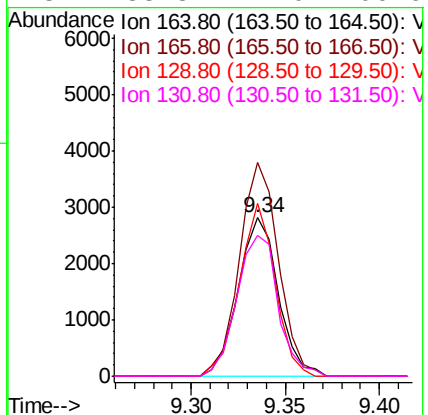
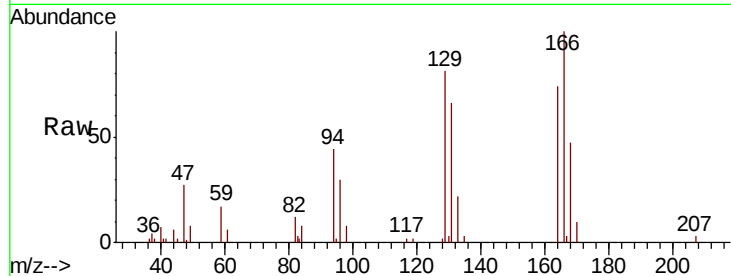




#64
Tetrachloroethene
Concen: 2.246 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009460.D
Acq: 10 May 2019 04:36

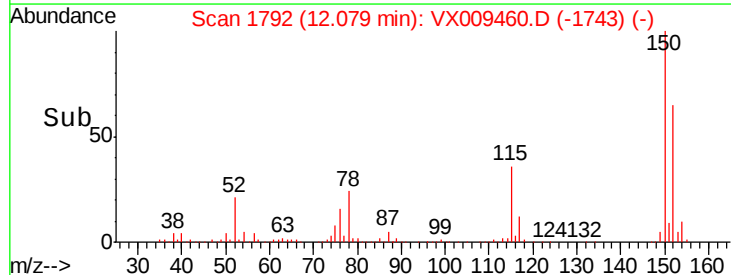
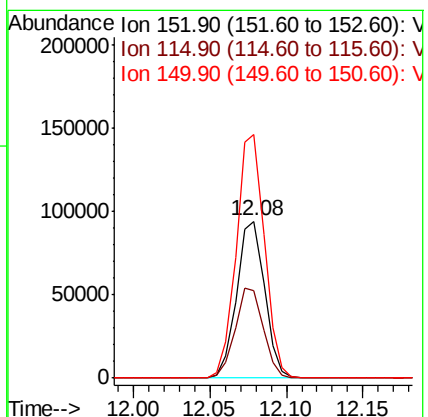
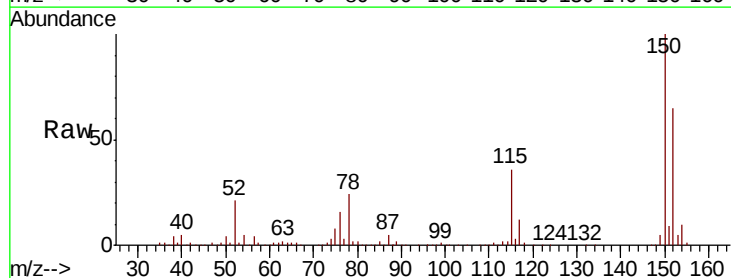
Instrument :
MSVOA_X
ClientSampleId :

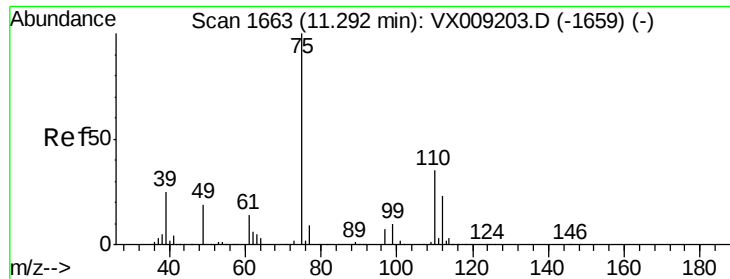
Tot Ion:164	Resp:	4175	
Ion	Ratio	Lower	Upper
164	100		
166	134.9	101.2	151.8
129	108.9	74.3	111.5
131	88.8	71.0	106.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009460.D
Acq: 10 May 2019 04:36

Tgt	Ion:152	Resp:	119480
Ion	Ratio	Lower	Upper
152	100		
115	57.6	41.2	123.6
150	156.5	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 23.596 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009460.D

Acq: 10 May 2019 04:36

Instrument :

MSVOA_X

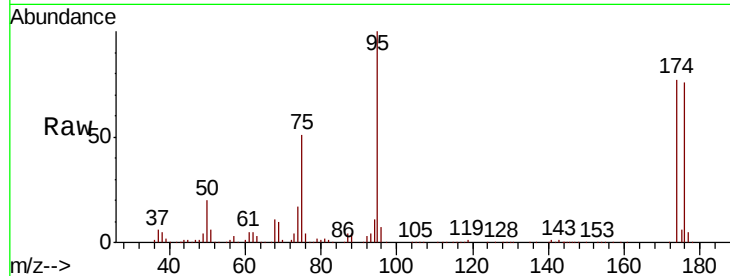
ClientSampleId :

Tot Ion: 75 Resp: 65396

Ion Ratio Lower Upper

75 100

77 1.2 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

60000

50000

40000

30000

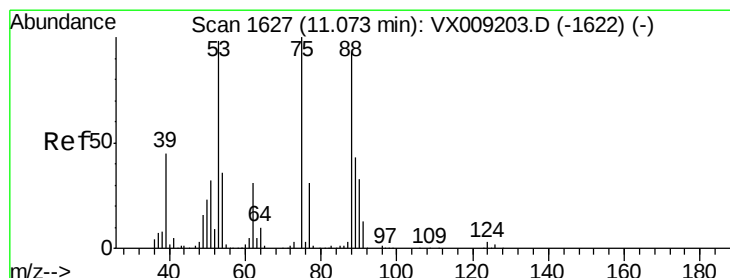
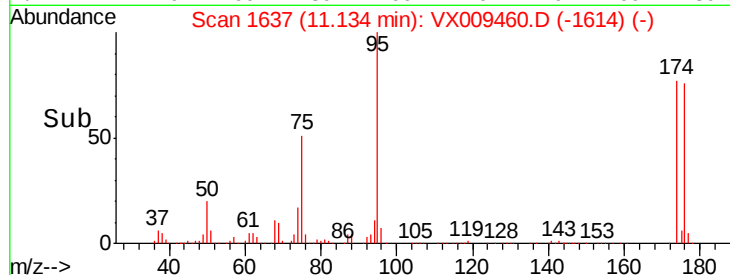
20000

10000

0

Time-->

11.10 11.20 11.30



#81

trans-1,4-Dichloro-2-butene

Concen: 60.373 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009460.D

Acq: 10 May 2019 04:36

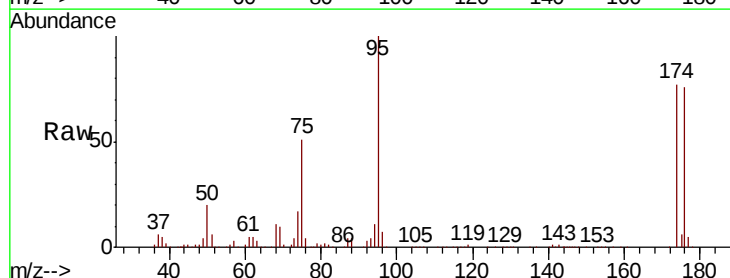
Tgt Ion: 75 Resp: 65396

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.1 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

60000

40000

20000

0

Time-->

11.10 11.20 11.30

