

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009464.D
 Acq On : 10 May 2019 06:09
 Operator : JC/SP
 Sample : K2782-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:14:19 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	189562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	306616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	272665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119582	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	124365	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
35) Dibromofluoromethane	5.50	113	93815	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	8.71	98	386628	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.13	95	129534	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	

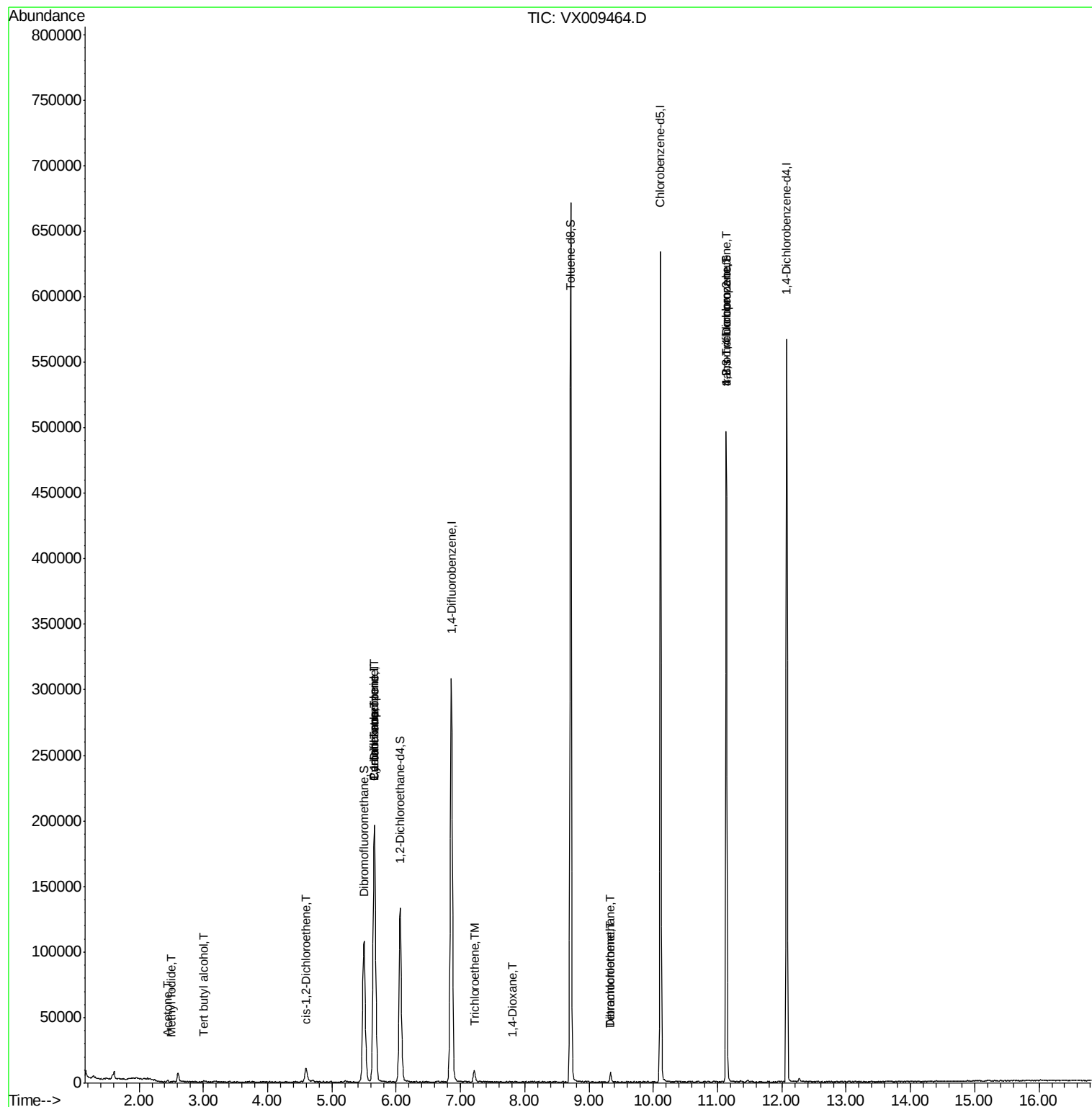
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	25	4.605	ug/l #	42
11) Tert butyl alcohol	3.01	59	290	0.484	ug/l #	91
16) Acetone	2.43	43	858	0.617	ug/l #	80
27) cis-1,2-Dichloroethene	4.59	96	6526	2.834	ug/l	87
28) Bromochloromethane	4.99	49	85	Below Cal	#	20
31) Cyclohexane	5.66	56	4205	1.099	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14067	4.937	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17841	6.891	ug/l #	15
44) Trichloroethene	7.21	130	3429	1.608	ug/l	94
49) 1,4-Dioxane	7.81	88	25	0.391	ug/l #	1
60) Dibromochloromethane	9.34	129	1290	0.604	ug/l #	11
64) Tetrachloroethene	9.34	164	1453	0.777	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	65975	23.784	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65975	60.856	ug/l #	10

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

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MSVOA_X
ClientSampleId :

Quant Time: May 10 07:14:19 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: VX009464.D

Acq: 10 May 2019 06:09

Instrument :

MSVOA_X

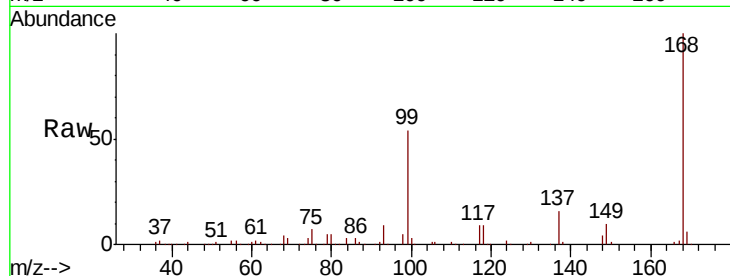
ClientSampleId :

Tot Ion:168 Resp: 189562

Ion Ratio Lower Upper

168 100

99 54.3 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

80000

60000

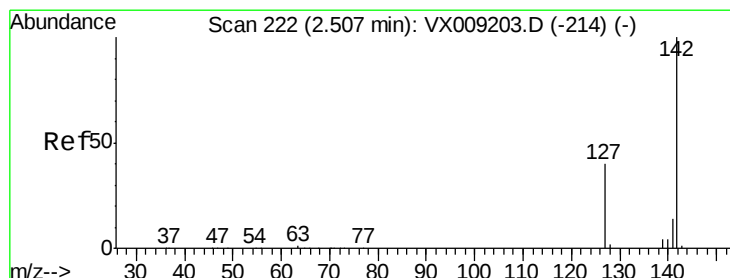
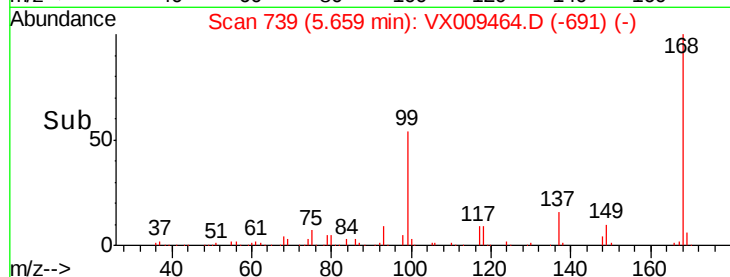
40000

20000

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Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.605 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009464.D

Acq: 10 May 2019 06:09

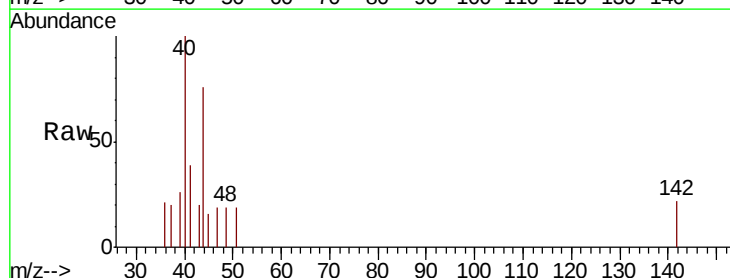
Tgt Ion:142 Resp: 25

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

2.51

80

60

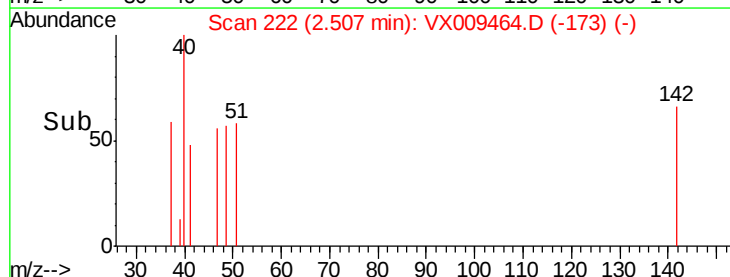
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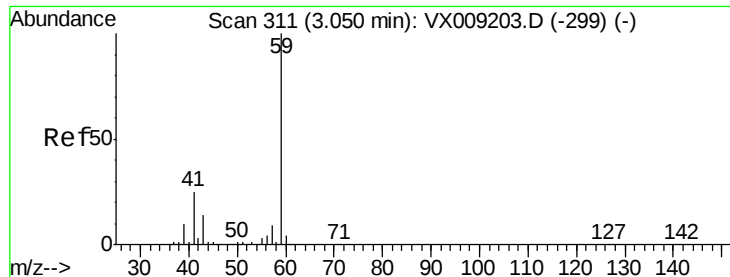
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Time-->

2.49 2.50 2.51 2.52

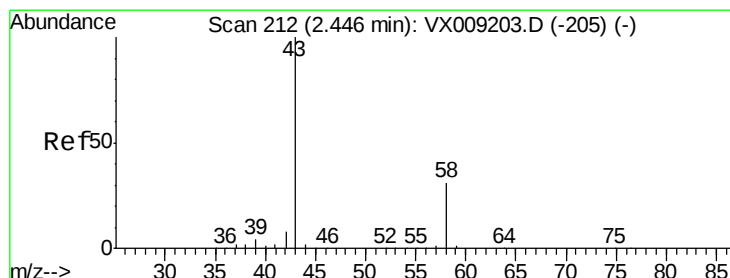
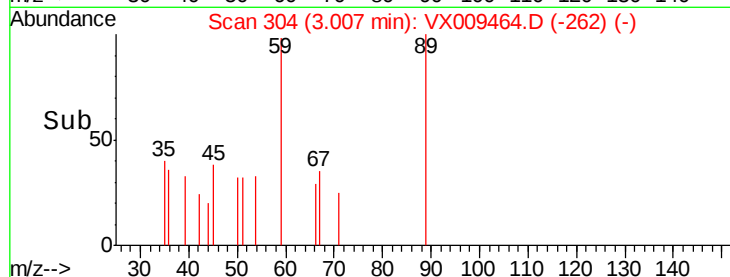
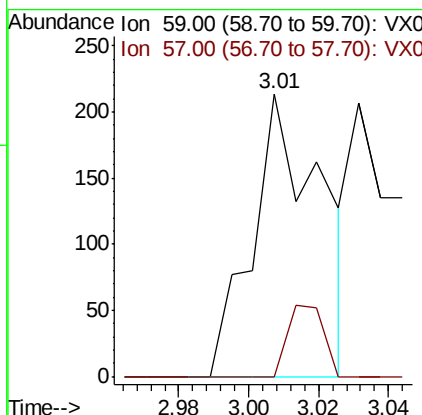
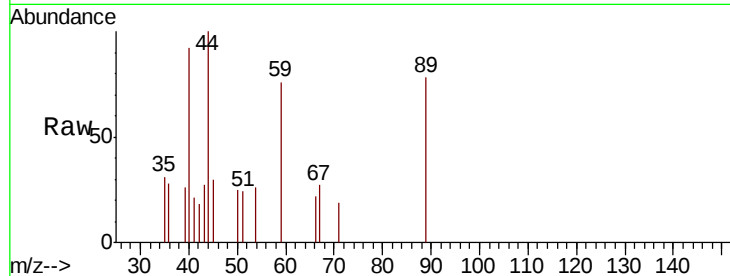




#11
Tert butyl alcohol
Concen: 0.484 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.04 min
Lab File: VX009464.D
Acq: 10 May 2019 06:09

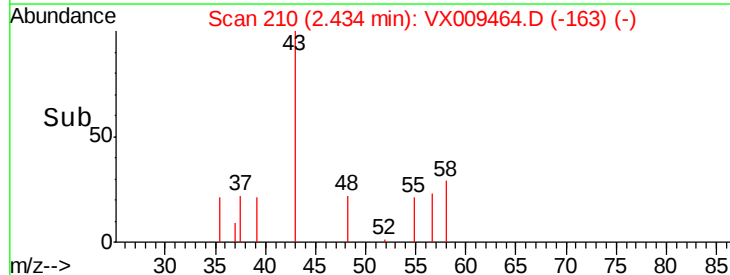
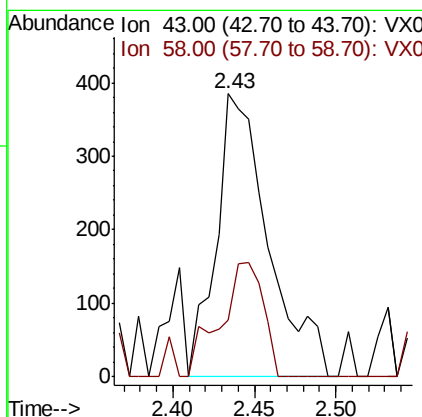
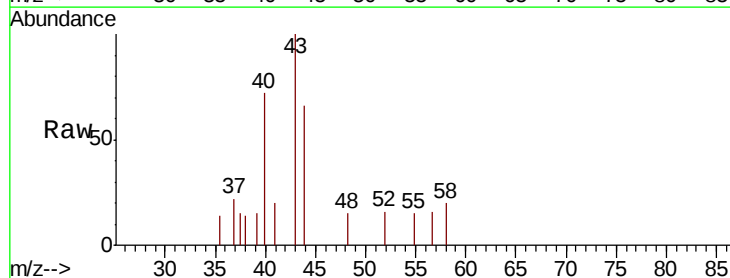
Instrument :
MSVOA_X
ClientSampled :

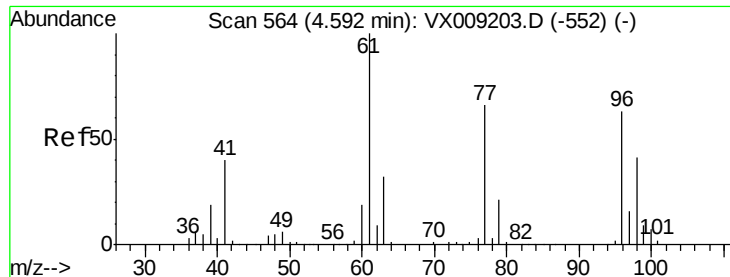
Tot Ion: 59 Resp: 290
Ion Ratio Lower Upper
59 100
57 13.4 8.2 12.2#



#16
Acetone
Concen: 0.617 ug/l
RT: 2.43 min Scan# 210
Delta R.T. -0.01 min
Lab File: VX009464.D
Acq: 10 May 2019 06:09

Tgt Ion: 43 Resp: 858
Ion Ratio Lower Upper
43 100
58 20.0 24.9 37.3#



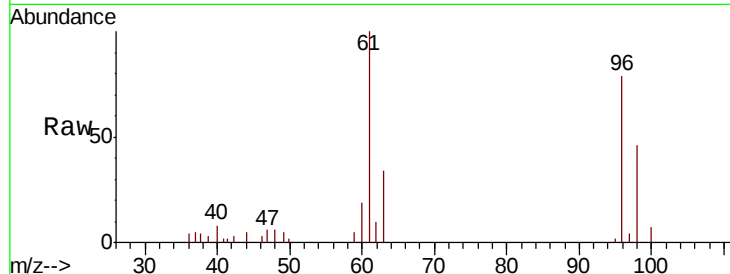


#27

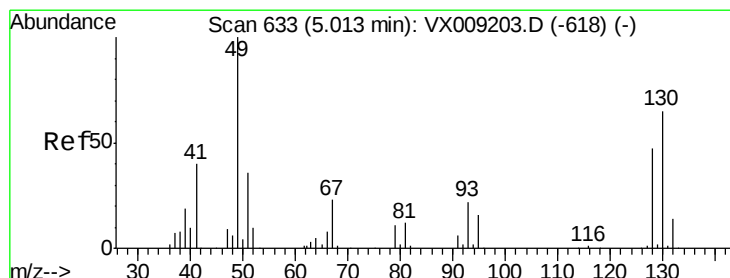
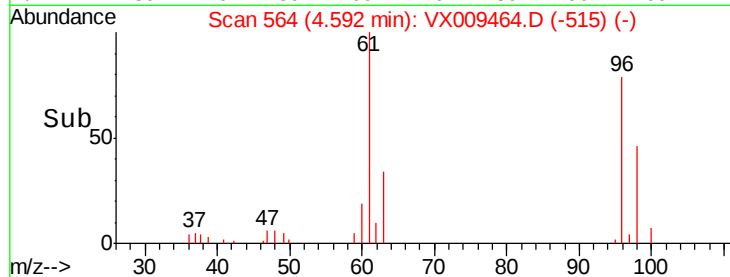
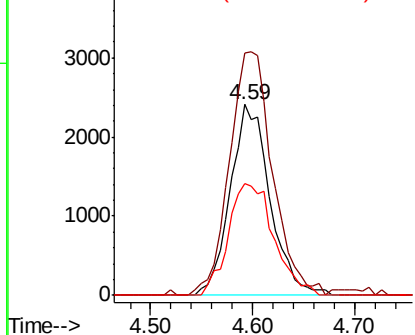
cis-1,2-Dichloroethene
 Concen: 2.834 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VX009464.D
 Acq: 10 May 2019 06:09

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 96 Resp: 6526
 Ion Ratio Lower Upper
 96 100
 61 138.3 0.0 324.0
 98 67.0 0.0 130.4



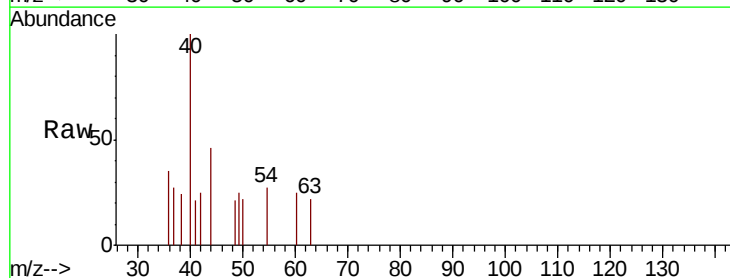
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



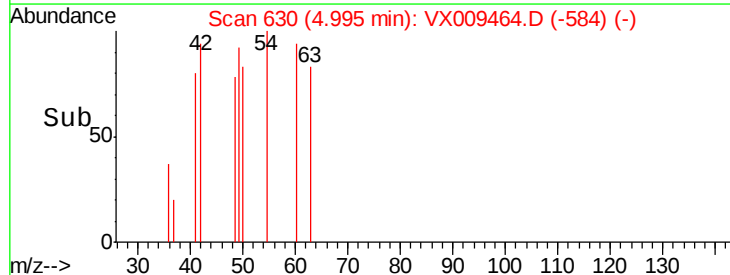
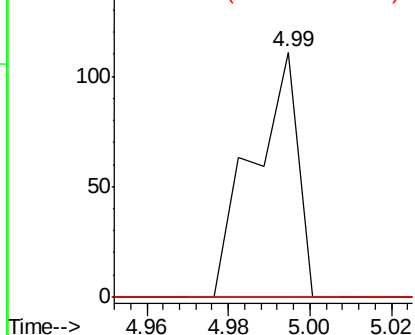
#28

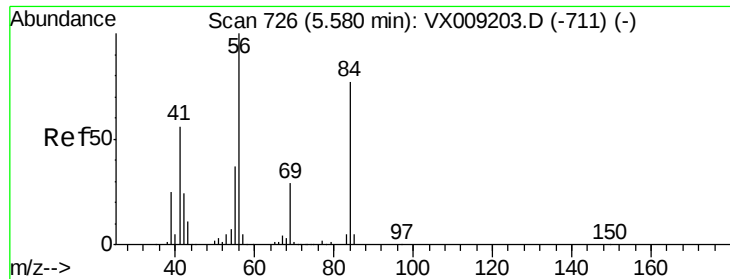
Bromochloromethane
 Concen: Below Cal
 RT: 4.99 min Scan# 630
 Delta R.T. -0.02 min
 Lab File: VX009464.D
 Acq: 10 May 2019 06:09

Tgt Ion: 49 Resp: 85
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

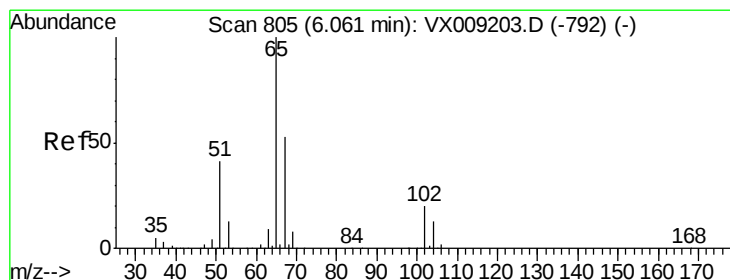
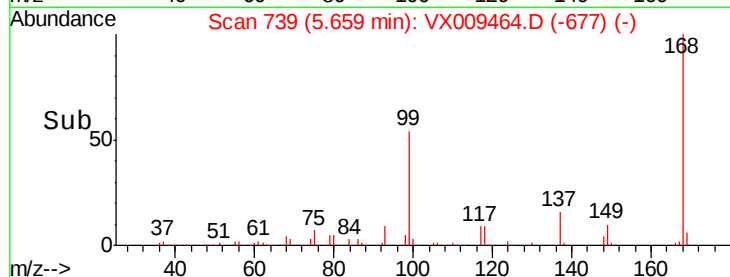
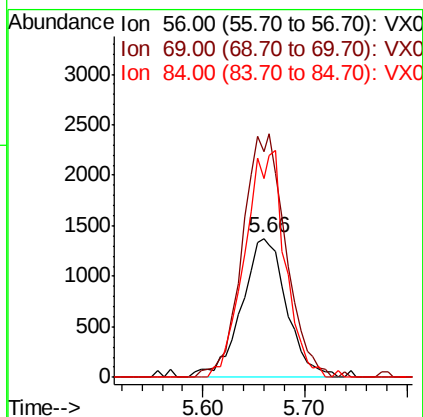
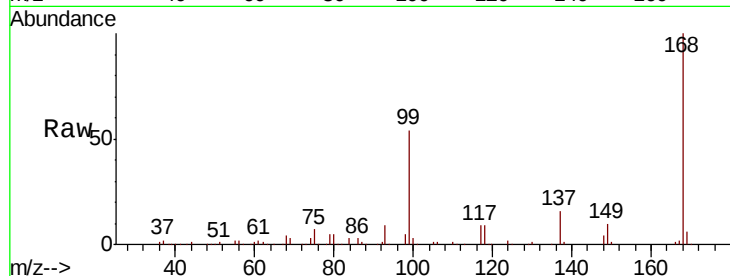




#31
Cyclohexane
Concen: 1.099 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009464.D
Acq: 10 May 2019 06:09

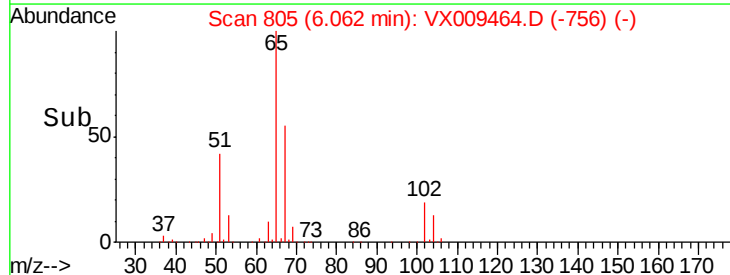
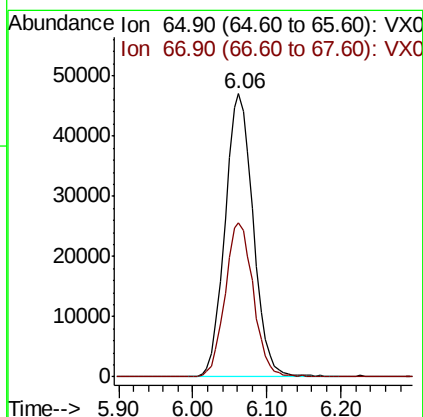
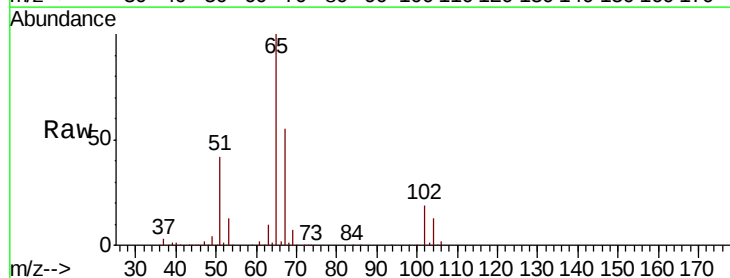
Instrument :
MSVOA_X
ClientSampleId :

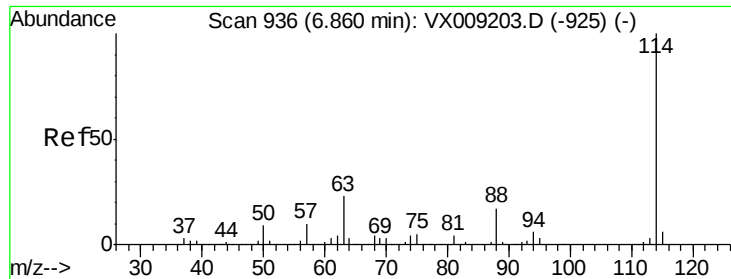
Tot Ion: 56 Resp: 4205
Ion Ratio Lower Upper
56 100
69 162.1 23.4 35.0#
84 143.0 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 48.059 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009464.D
Acq: 10 May 2019 06:09

Tgt Ion: 65 Resp: 124365
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.6

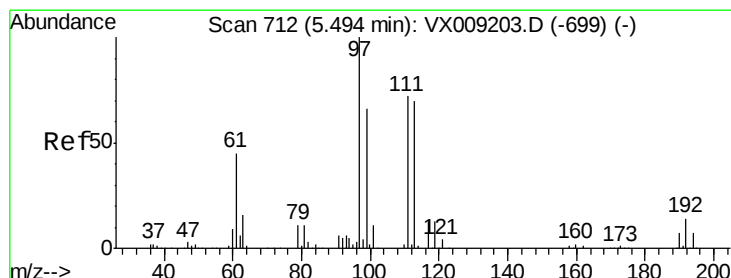
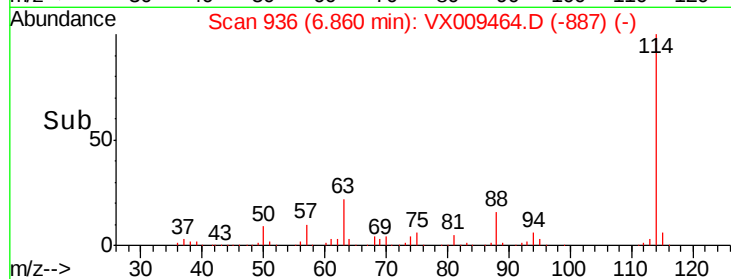
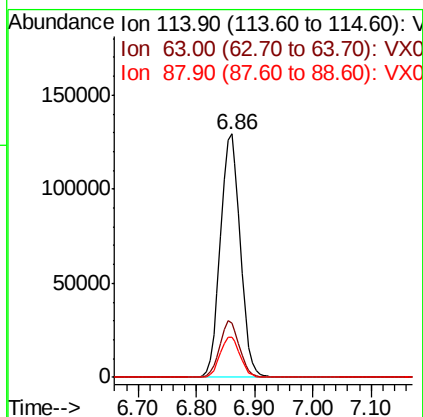
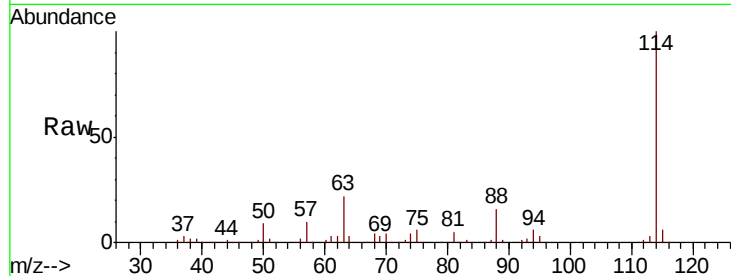




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009464.D
 Acq: 10 May 2019 06:09

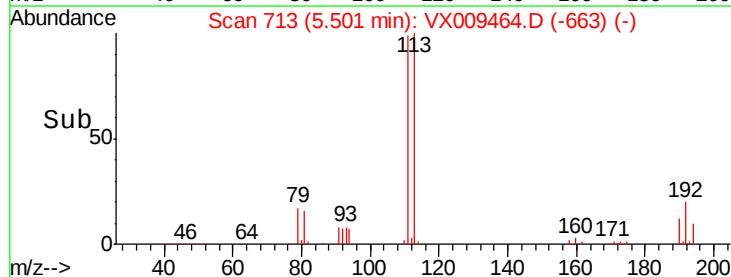
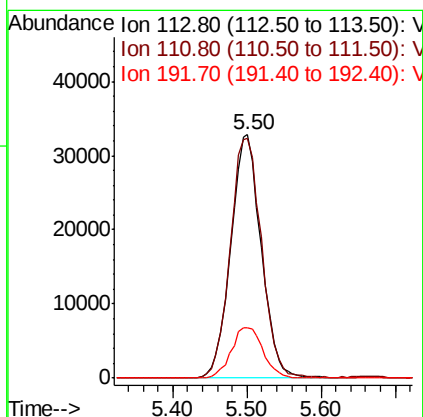
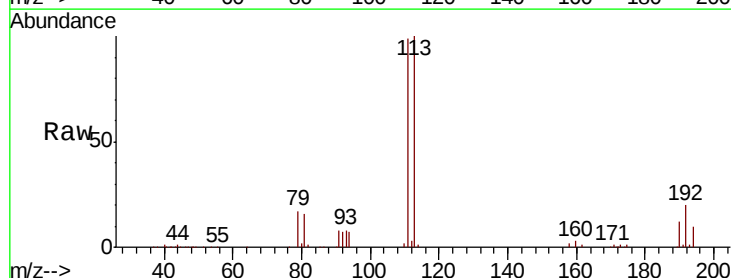
Instrument :
 MSVOA_X
 ClientSampleId :

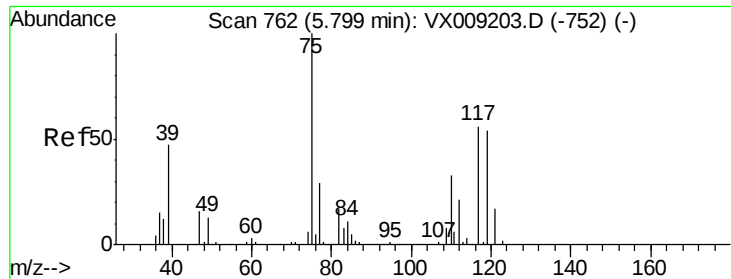
Tot Ion:114 Resp: 306616
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.6
 88 16.5 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 48.672 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009464.D
 Acq: 10 May 2019 06:09

Tgt Ion:113 Resp: 93815
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.8 124.2
 192 21.6 17.0 25.6

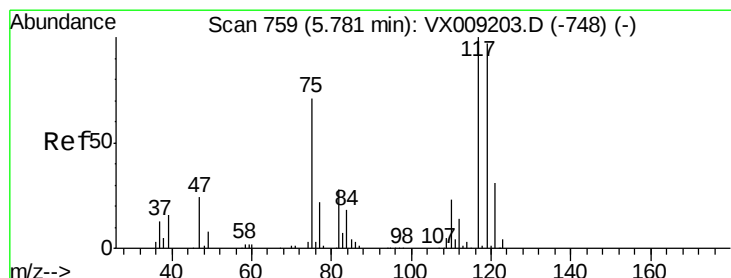
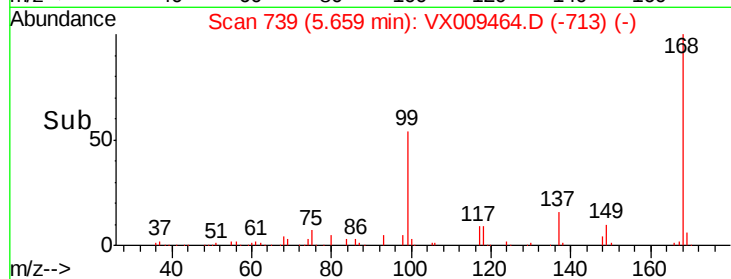
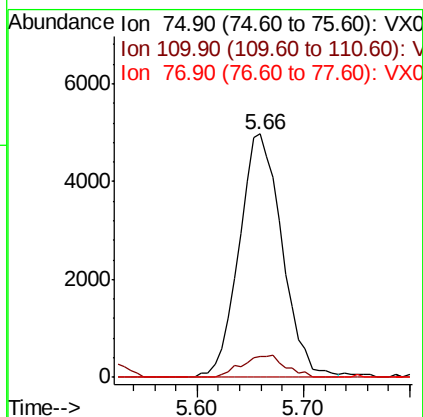
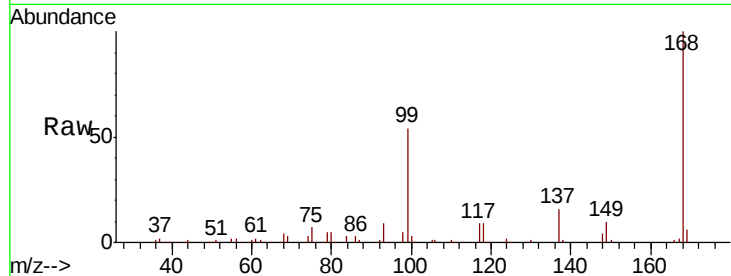




#36
 1,1-Dichloropropene
 Concen: 4.937 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009464.D
 Acq: 10 May 2019 06:09

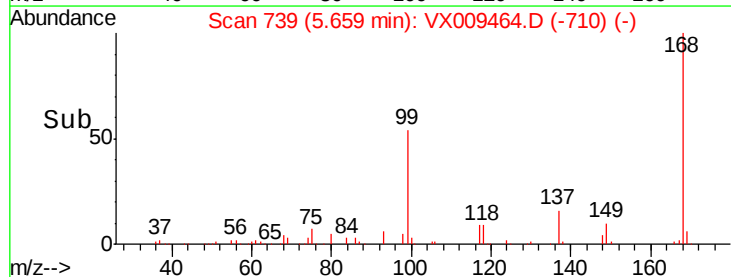
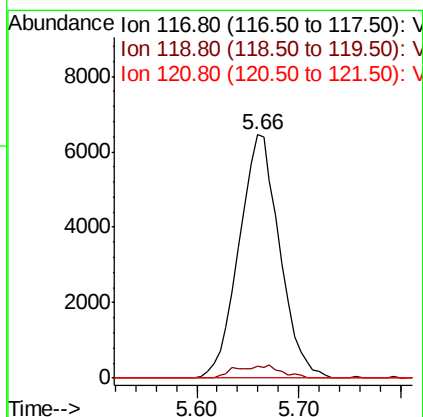
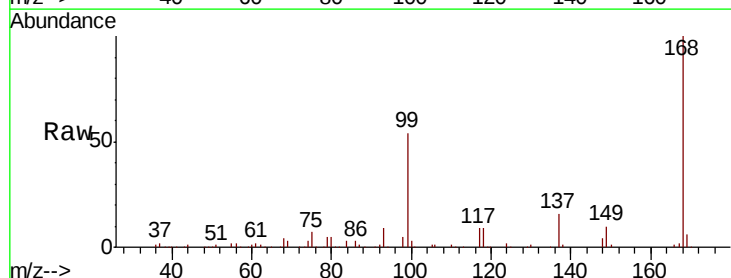
Instrument :
 MSVOA_X
 ClientSampleId :

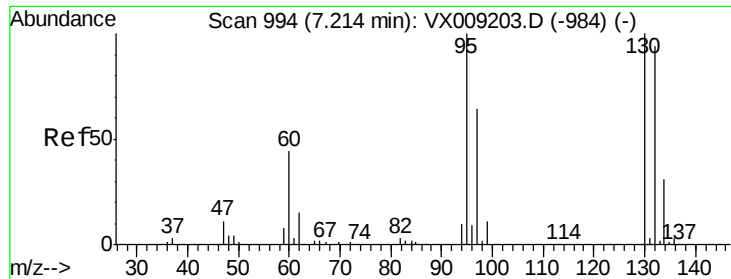
Tot Ion	75	Resp	14067
Ion Ratio	Lower	Upper	
75	100		
110	9.3	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.891 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009464.D
 Acq: 10 May 2019 06:09

Tgt Ion	117	Resp	17841
Ion Ratio	Lower	Upper	
117	100		
119	4.7	77.5	116.3#
121	0.0	24.7	37.1#

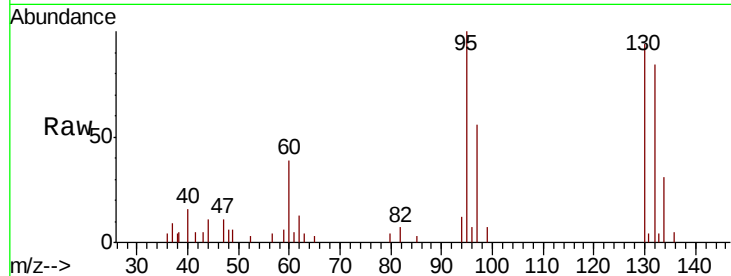




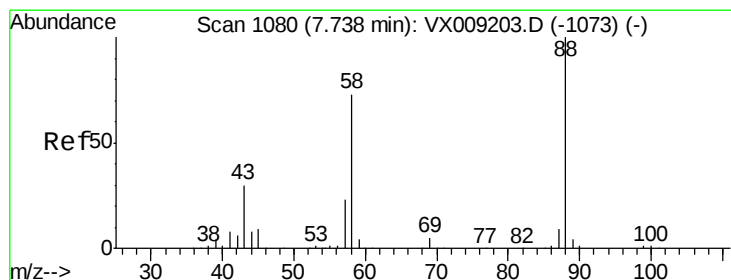
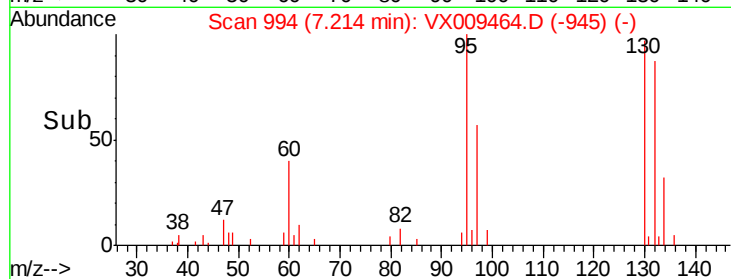
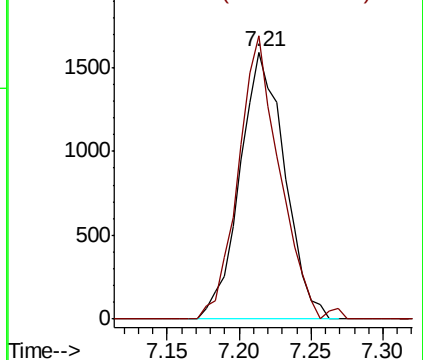
#44
 Trichloroethene
 Concen: 1.608 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009464.D
 Acq: 10 May 2019 06:09

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:130 Resp: 3429
 Ion Ratio Lower Upper
 130 100
 95 105.9 0.0 199.2

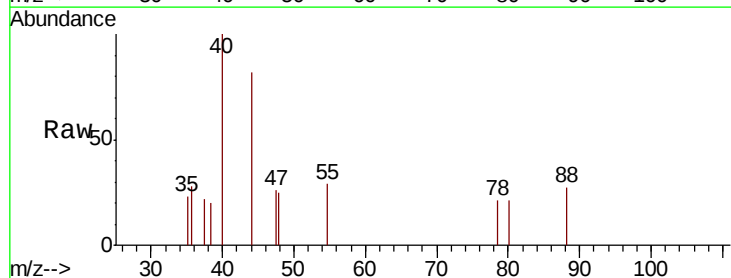


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

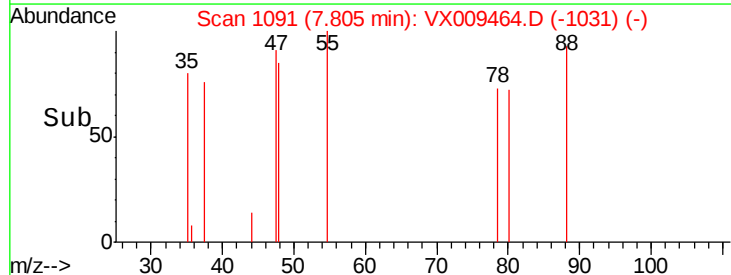
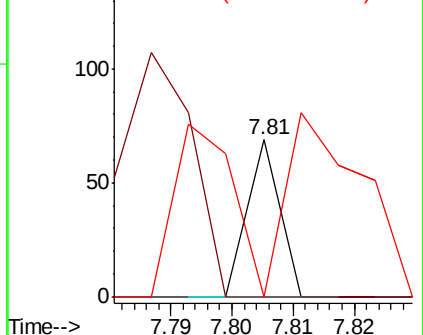


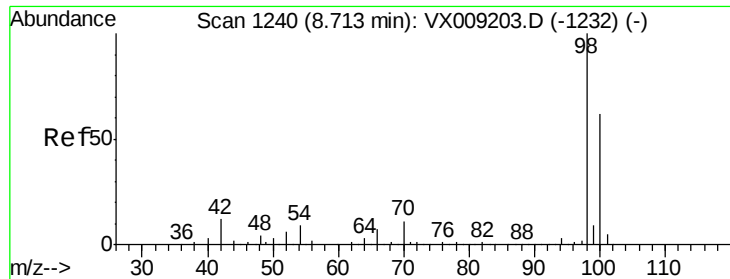
#49
 1,4-Dioxane
 Concen: 0.391 ug/l
 RT: 7.81 min Scan# 1091
 Delta R.T. 0.07 min
 Lab File: VX009464.D
 Acq: 10 May 2019 06:09

Tgt Ion: 88 Resp: 25
 Ion Ratio Lower Upper
 88 100
 43 0.0 28.6 42.8#
 58 280.0 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

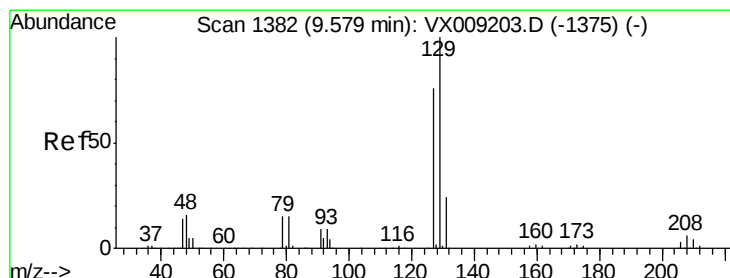
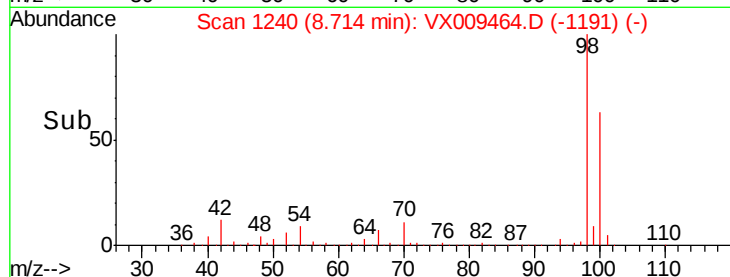
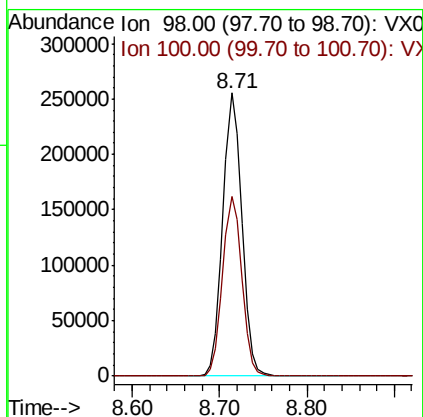
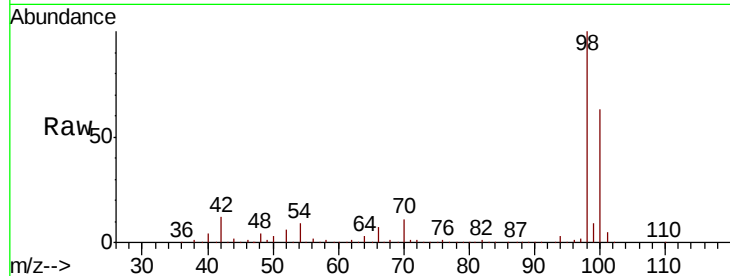




#50
Toluene-d8
Concen: 49.683 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009464.D
Acq: 10 May 2019 06:09

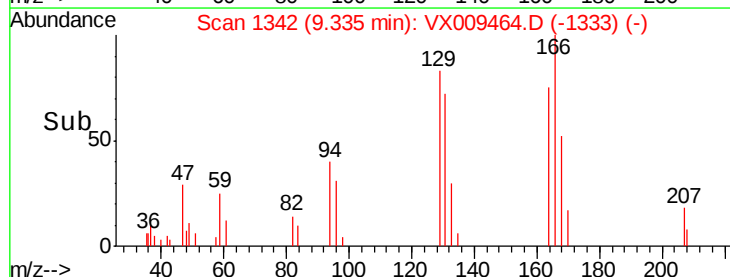
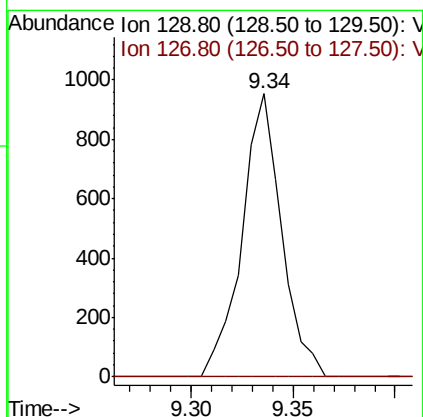
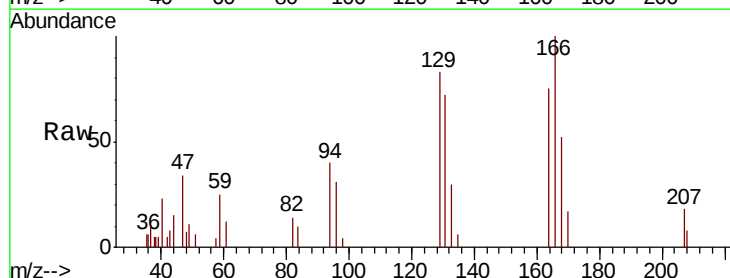
Instrument :
MSVOA_X
ClientSampleId :

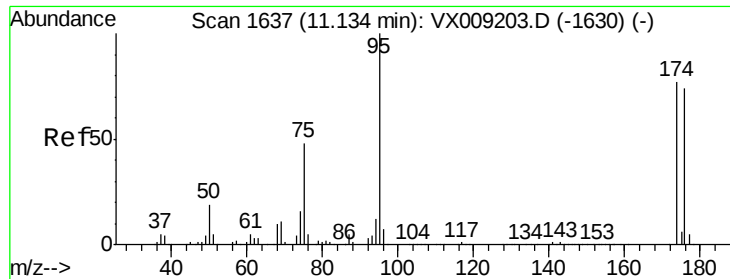
Tot Ion: 98 Resp: 386628
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8



#60
Dibromochloromethane
Concen: 0.604 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX009464.D
Acq: 10 May 2019 06:09

Tgt Ion: 129 Resp: 1290
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 45.810 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009464.D

Acq: 10 May 2019 06:09

Instrument :

MSVOA_X

ClientSampled :

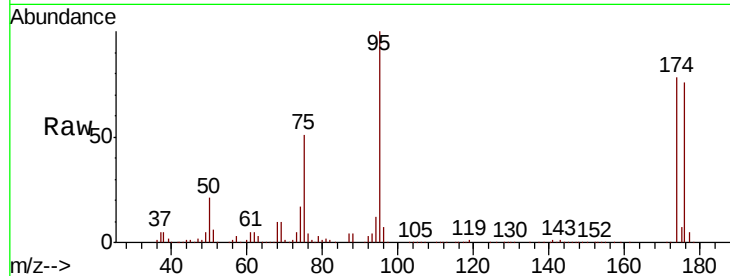
Tot Ion: 95 Resp: 129534

Ion Ratio Lower Upper

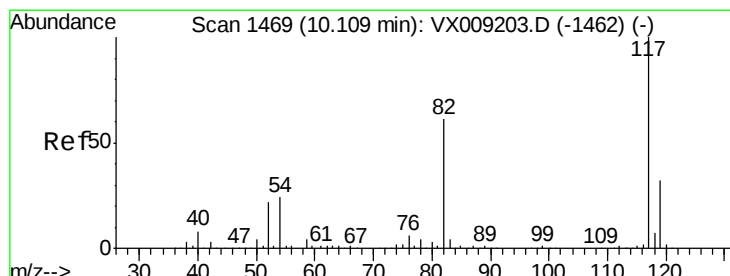
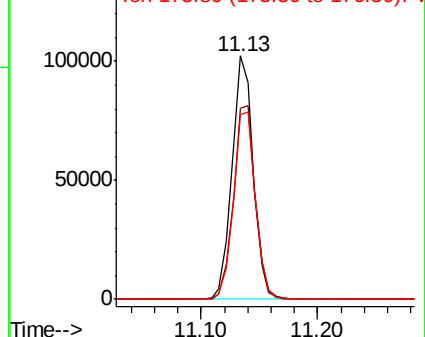
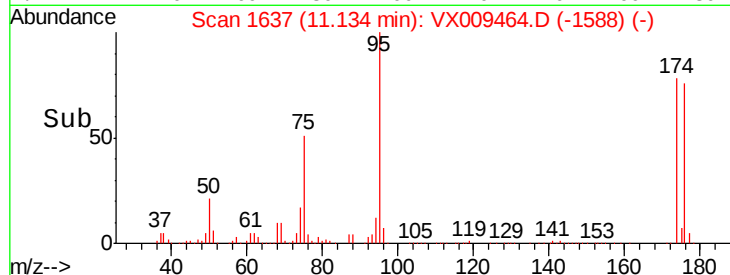
95 100

174 82.1 0.0 161.6

176 80.0 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009464.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009464.D

Acq: 10 May 2019 06:09

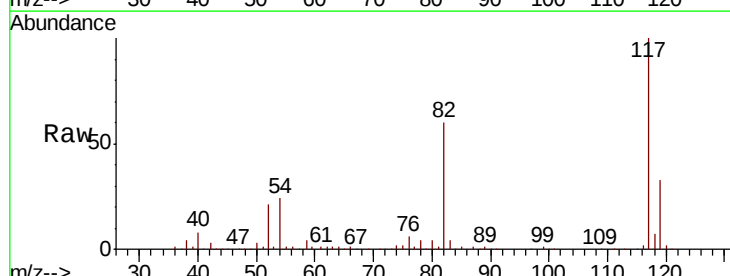
Tgt Ion: 117 Resp: 272665

Ion Ratio Lower Upper

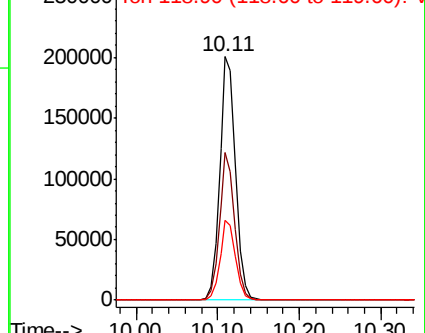
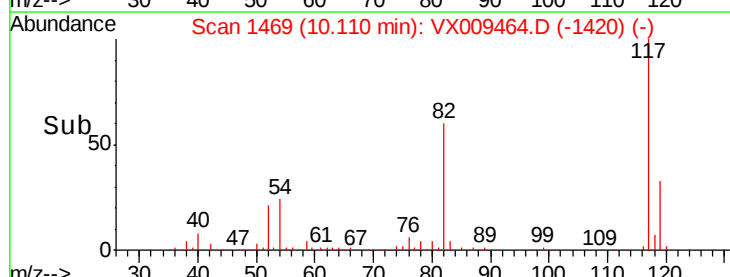
117 100

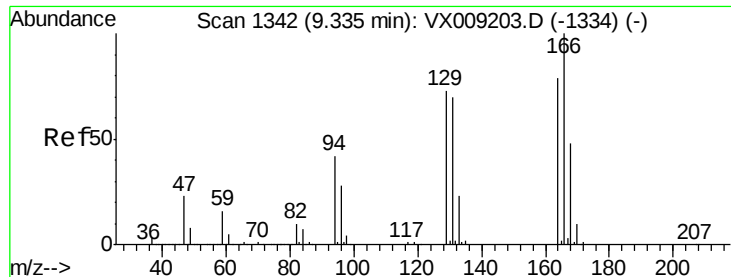
82 60.4 48.8 73.2

119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009464.D (-1420) (-)





#64

Tetrachloroethene

Concen: 0.777 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009464.D

Acq: 10 May 2019 06:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 1453

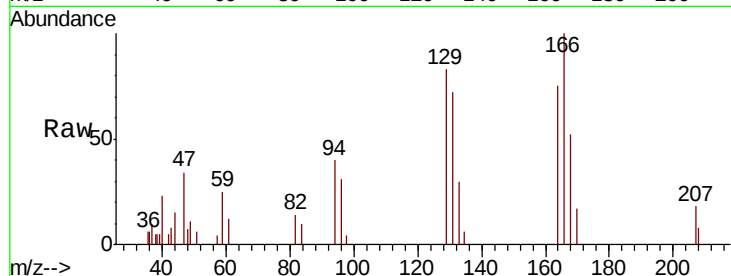
Ion Ratio Lower Upper

164 100

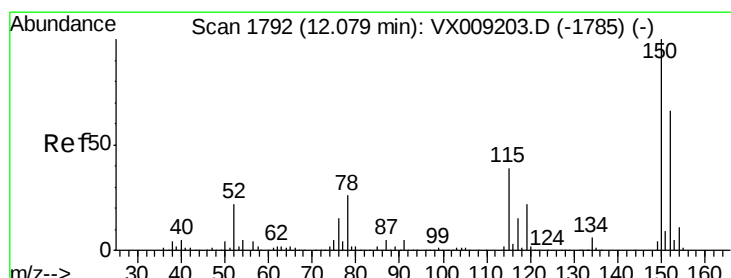
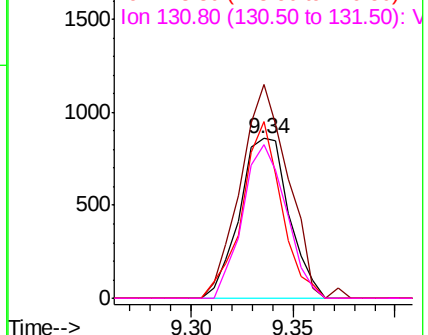
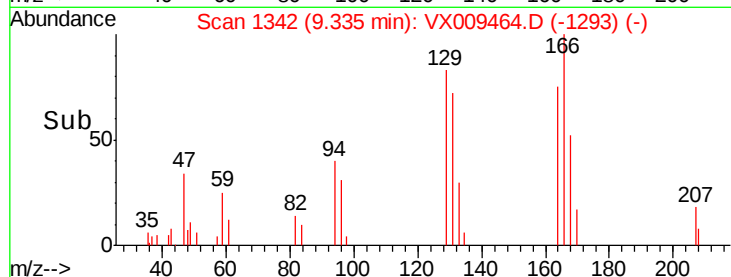
166 133.8 101.2 151.8

129 110.9 74.3 111.5

131 95.9 71.0 106.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX009464.D

Acq: 10 May 2019 06:09

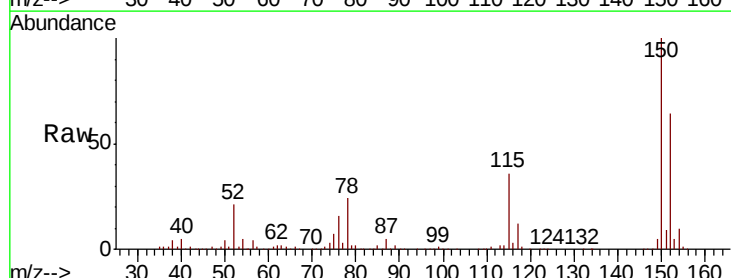
Tgt Ion:152 Resp: 119582

Ion Ratio Lower Upper

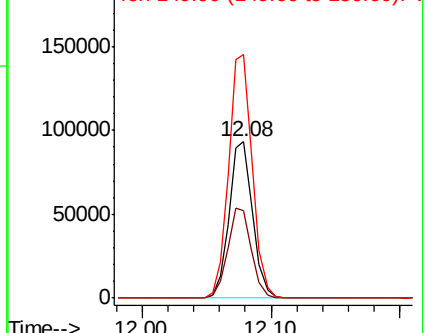
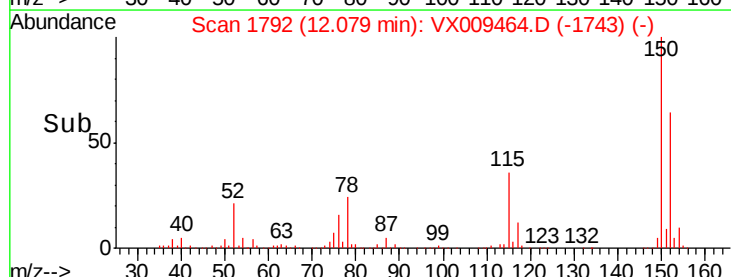
152 100

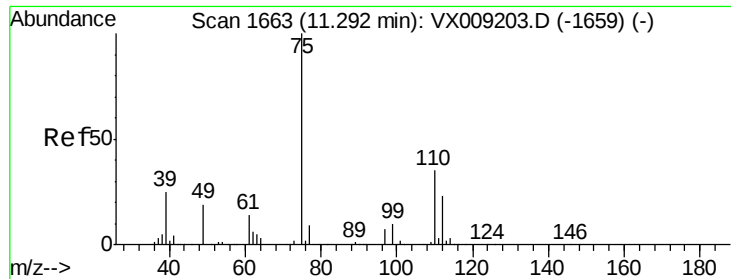
115 58.0 41.2 123.6

150 156.4 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: 23.784 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009464.D

Acq: 10 May 2019 06:09

Instrument :

MSVOA_X

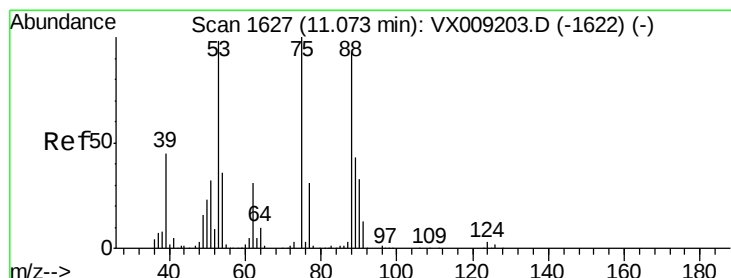
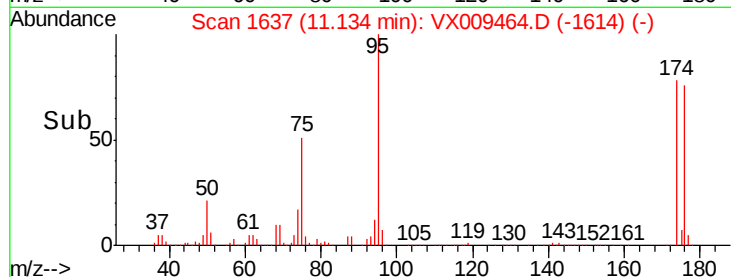
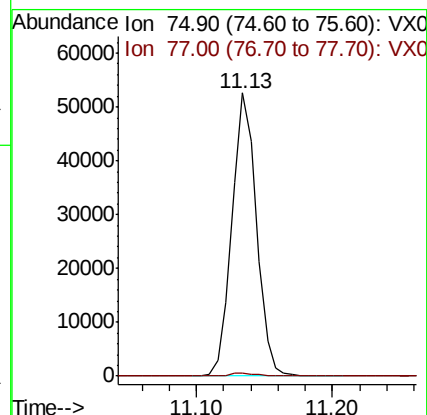
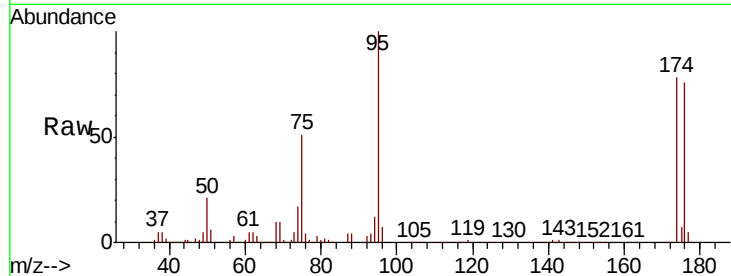
ClientSampleId :

Tot Ion: 75 Resp: 65975

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.856 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009464.D

Acq: 10 May 2019 06:09

Tgt Ion: 75 Resp: 65975

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

