

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009462.D
 Acq On : 10 May 2019 05:23
 Operator : JC/SP
 Sample : K2782-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:13:55 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	189765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	305816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111947	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	123912	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
35) Dibromofluoromethane	5.50	113	93124	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
50) Toluene-d8	8.71	98	379160	48.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.13	95	125094	44.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.72%	

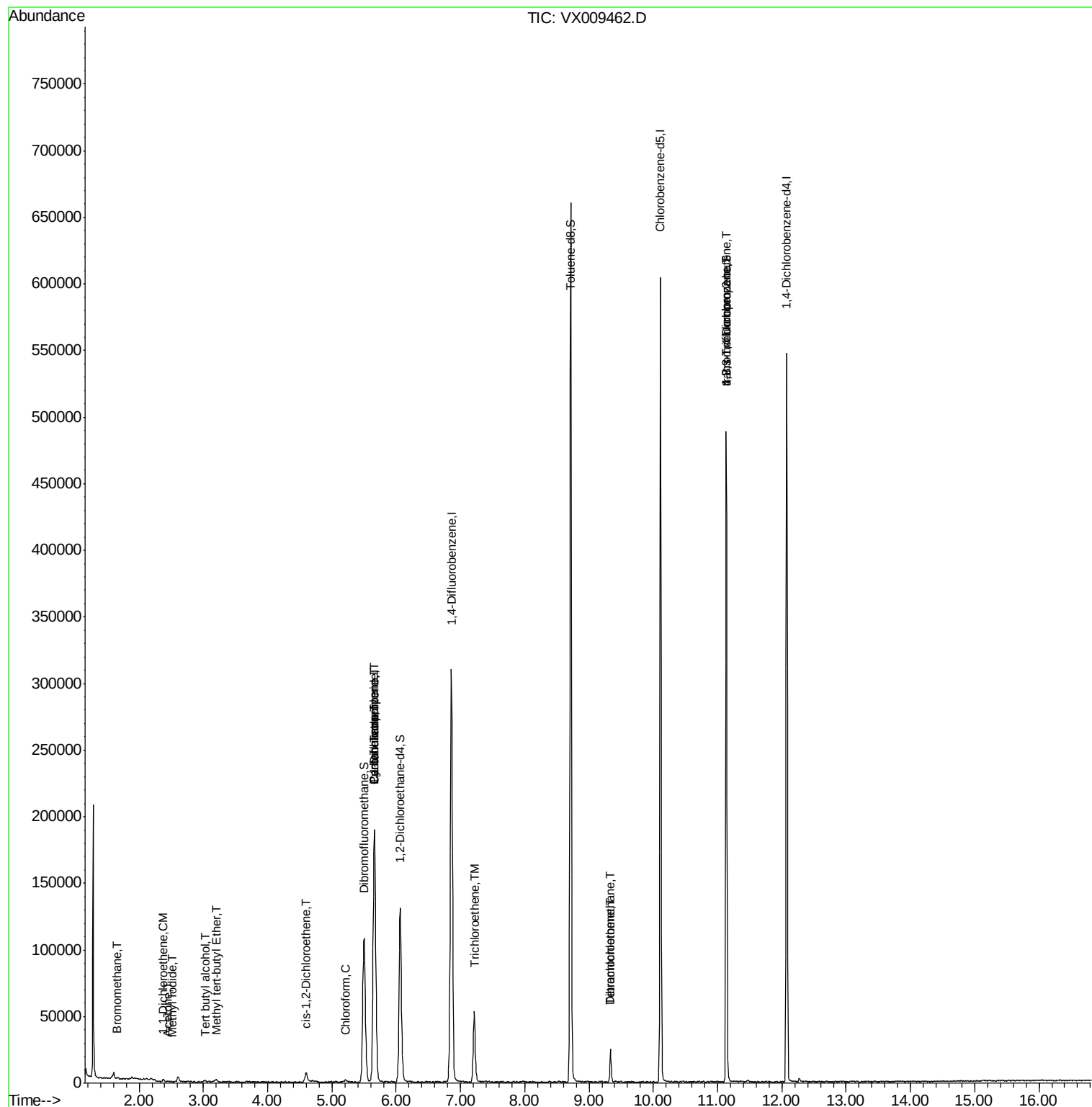
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	366	0.262	ug/l	94
10) Methyl Iodide	2.52	142	46	4.614	ug/l #	42
11) Tert butyl alcohol	3.03	59	848	1.414	ug/l #	86
12) 1,1-Dichloroethene	2.37	96	688	0.386	ug/l #	77
16) Acetone	2.44	43	846	0.608	ug/l #	70
19) Methyl tert-butyl Ether	3.20	73	1480	0.214	ug/l #	89
27) cis-1,2-Dichloroethene	4.59	96	3965	1.720	ug/l	88
28) Bromochloromethane	5.00	49	50	Below Cal	#	20
30) Chloroform	5.21	83	1090	0.293	ug/l	99
31) Cyclohexane	5.66	56	4152	1.084	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14349	5.049	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17578	6.808	ug/l #	16
44) Trichloroethene	7.21	130	20024	9.417	ug/l	96
60) Dibromochloromethane	9.34	129	4172	1.958	ug/l #	11
64) Tetrachloroethene	9.34	164	4668	2.563	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	62621	24.115	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62621	61.702	ug/l #	10

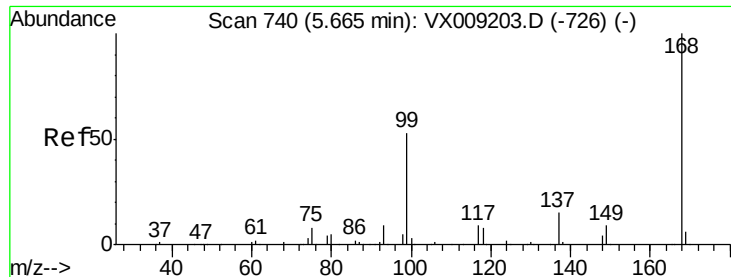
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050919\
Data File : VX009462.D
Acq On : 10 May 2019 05:23
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :

Quant Time: May 10 07:13:55 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: VX009462.D

Acq: 10 May 2019 05:23

Instrument :

MSVOA_X

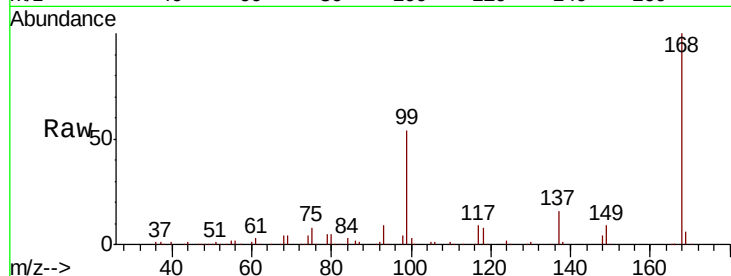
ClientSampleId :

Tot Ion:168 Resp: 189765

Ion Ratio Lower Upper

168 100

99 53.7 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

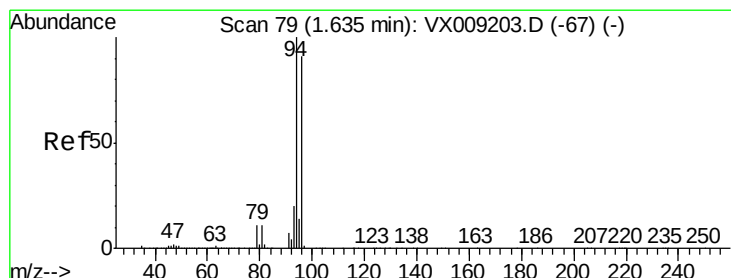
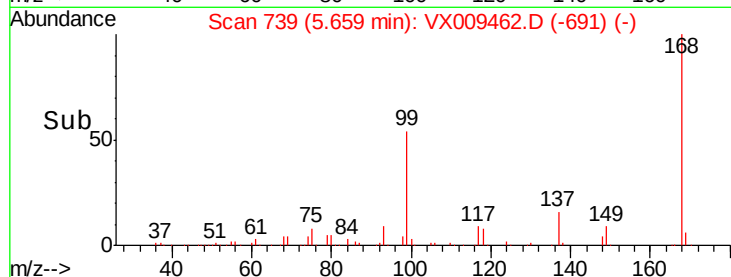
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#5

Bromomethane

Concen: 0.262 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009462.D

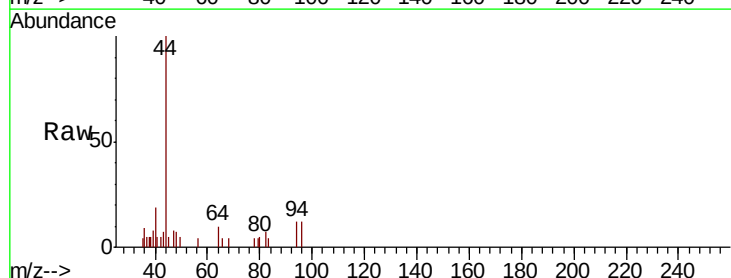
Acq: 10 May 2019 05:23

Tgt Ion: 94 Resp: 366

Ion Ratio Lower Upper

94 100

96 96.7 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

150

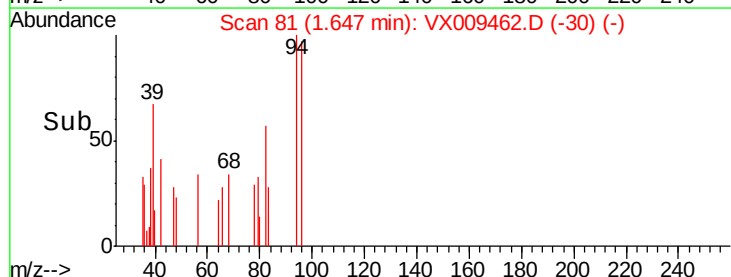
100

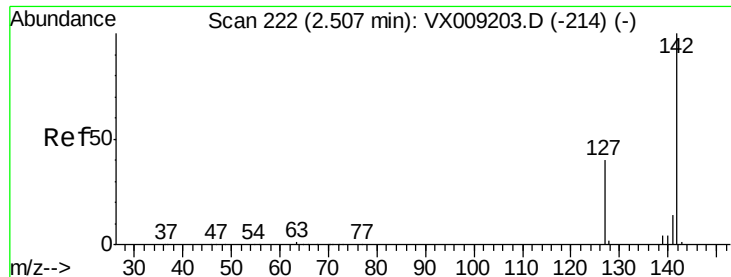
50

0

1.60 1.65 1.70

Time-->

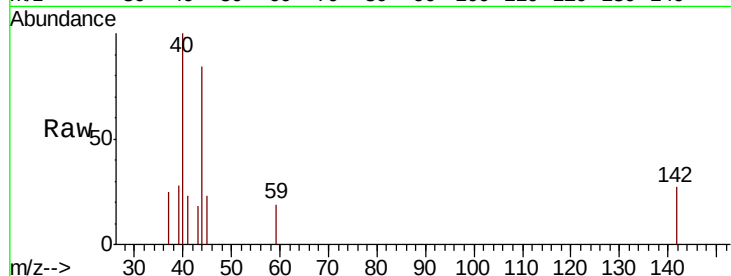




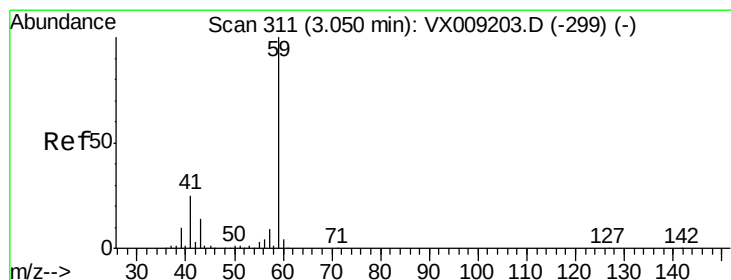
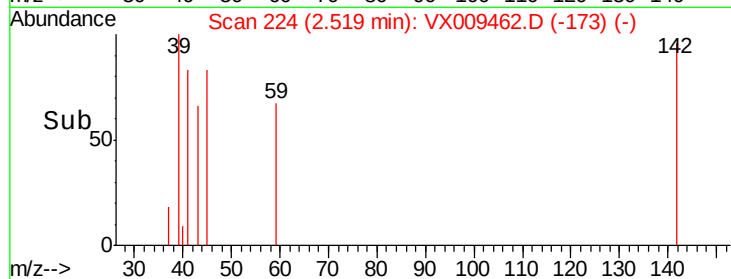
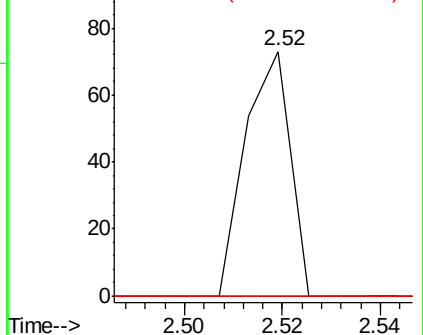
#10
Methvl Iodide
Concen: 4.614 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009462.D
Acq: 10 May 2019 05:23

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 46
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

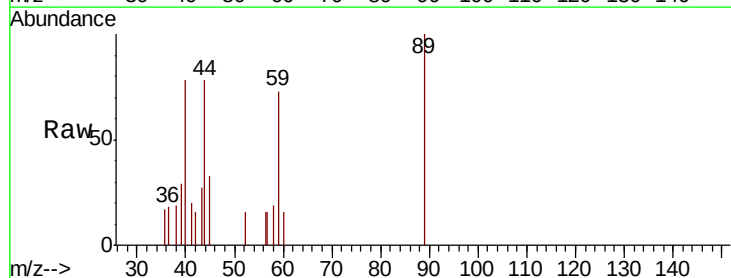


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

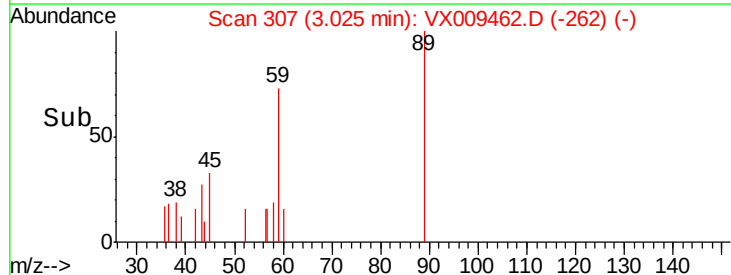
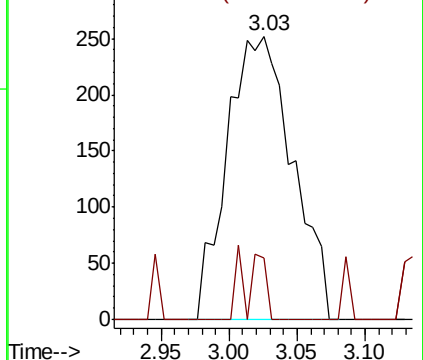


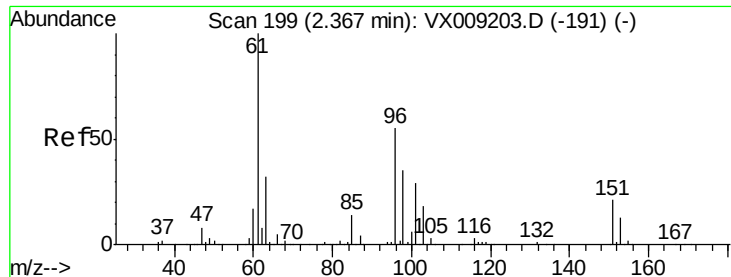
#11
Tert butyl alcohol
Concen: 1.414 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009462.D
Acq: 10 May 2019 05:23

Tgt Ion: 59 Resp: 848
Ion Ratio Lower Upper
59 100
57 4.8 8.2 12.2#



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



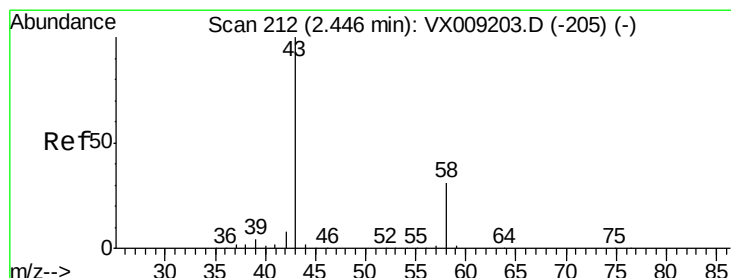
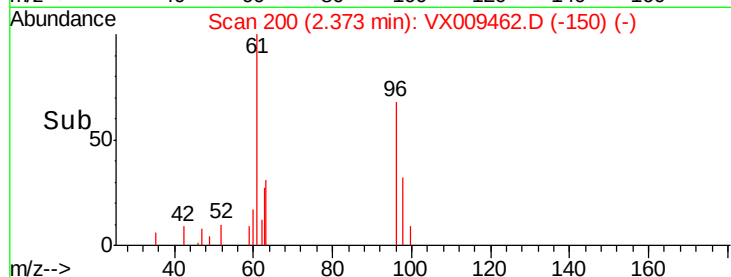
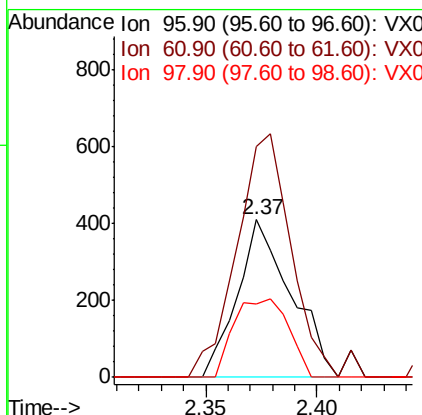
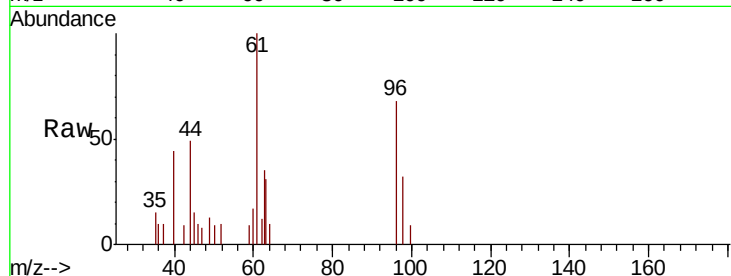


#12
 1,1-Dichloroethene
 Concen: 0.386 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009462.D
 Acq: 10 May 2019 05:23

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 96 Resp: 688

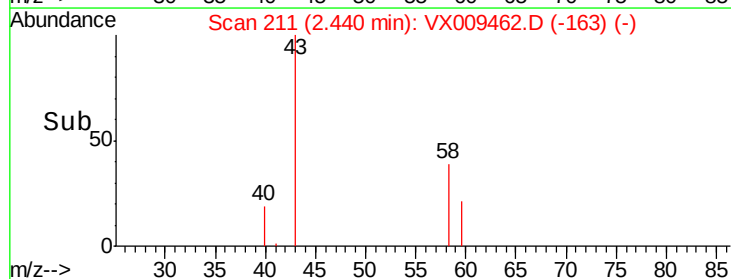
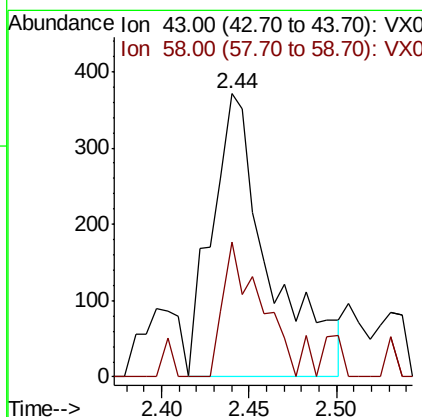
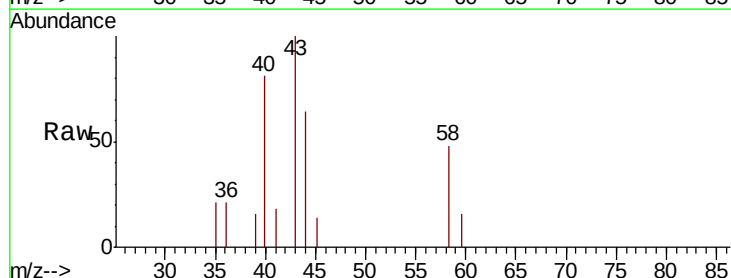
Ion	Ratio	Lower	Upper
96	100		
61	146.5	144.3	216.5
98	46.5	50.3	75.5#

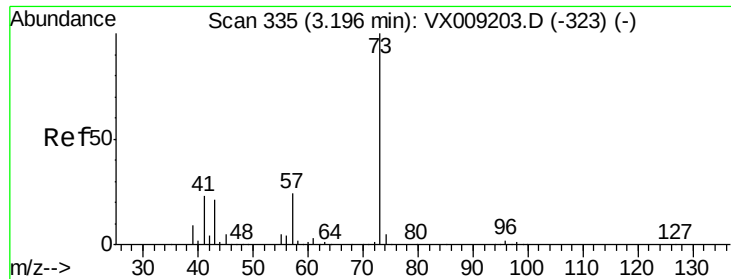


#16
 Acetone
 Concen: 0.608 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009462.D
 Acq: 10 May 2019 05:23

Tgt Ion: 43 Resp: 846

Ion	Ratio	Lower	Upper
43	100		
58	47.7	24.9	37.3#



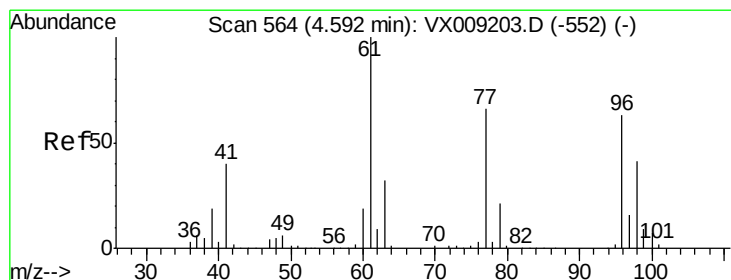
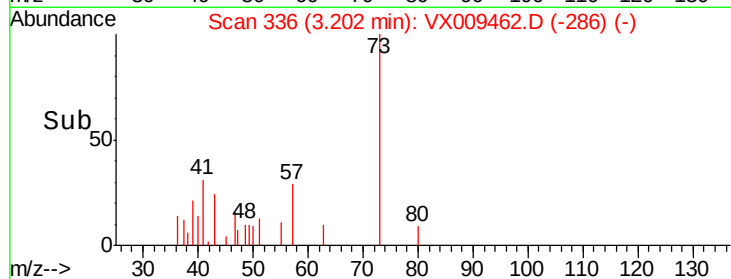
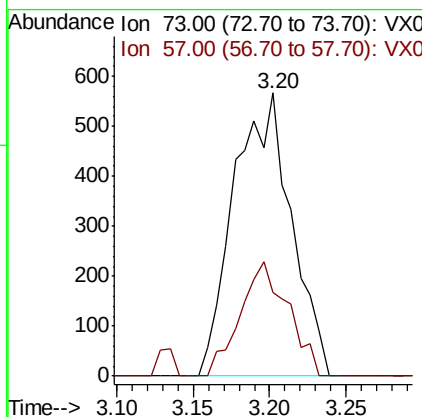
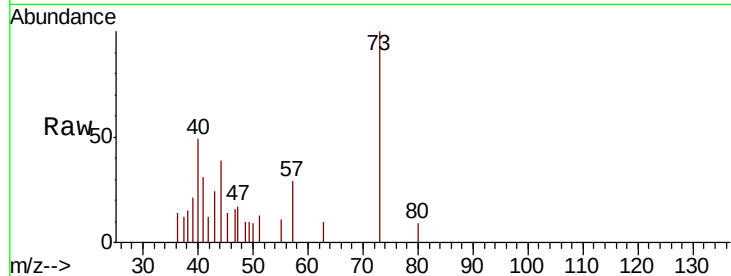


#19

Methyl tert-butyl Ether
 Concen: 0.214 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.01 min
 Lab File: VX009462.D
 Acq: 10 May 2019 05:23

Instrument :
 MSVOA_X
 ClientSampleId :

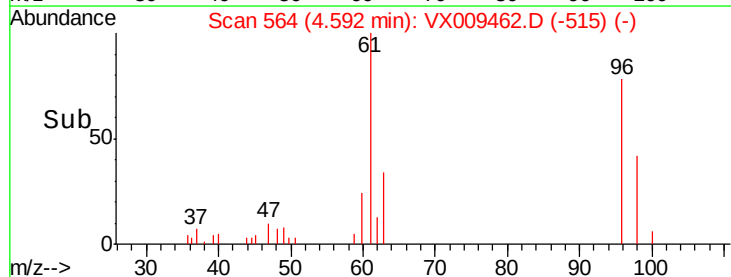
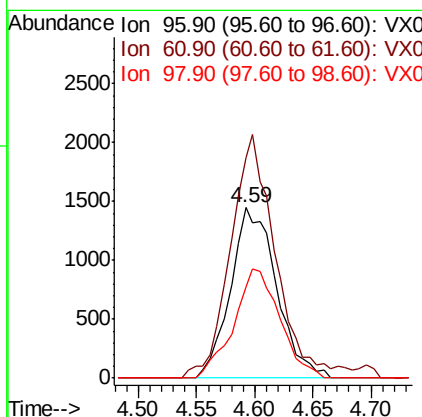
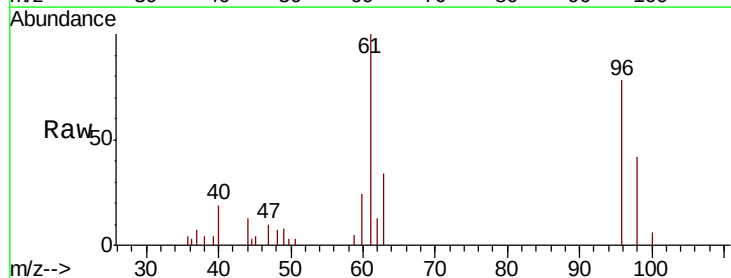
Tot Ion: 73 Resp: 1480
 Ion Ratio Lower Upper
 73 100
 57 29.5 19.3 28.9#

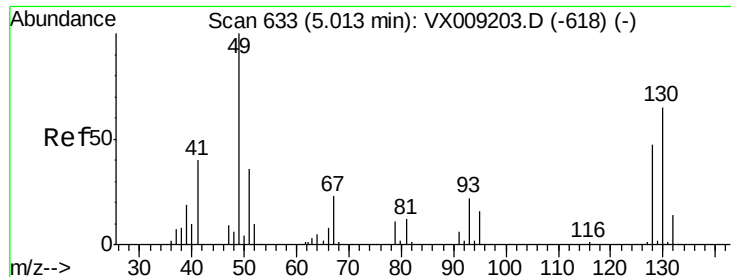


#27

cis-1,2-Dichloroethene
 Concen: 1.720 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX009462.D
 Acq: 10 May 2019 05:23

Tgt Ion: 96 Resp: 3965
 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: VX009462.D

Acq: 10 May 2019 05:23

Instrument :

MSVOA_X

ClientSampled :

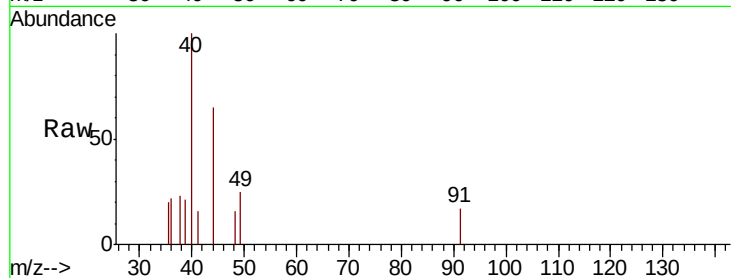
Tot Ion: 49 Resp: 50

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



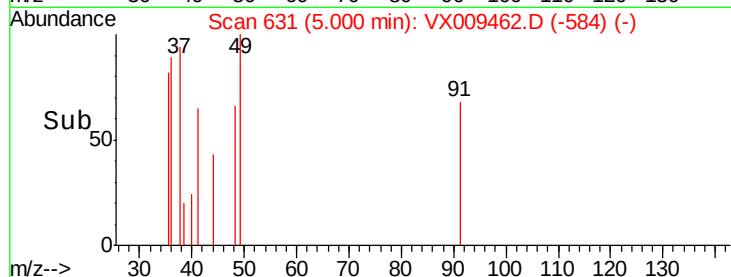
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

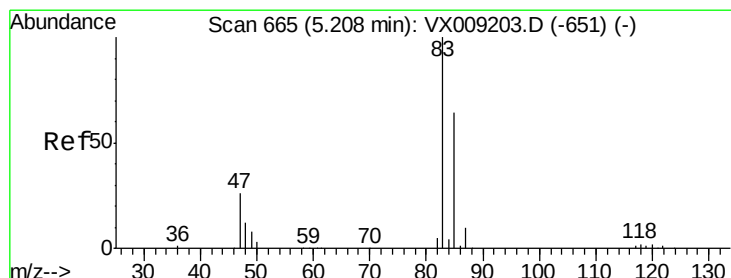
Ion 129.80 (129.50 to 130.50): V

5.00

Time-->



Time-->



#30

Chloroform

Concen: 0.293 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009462.D

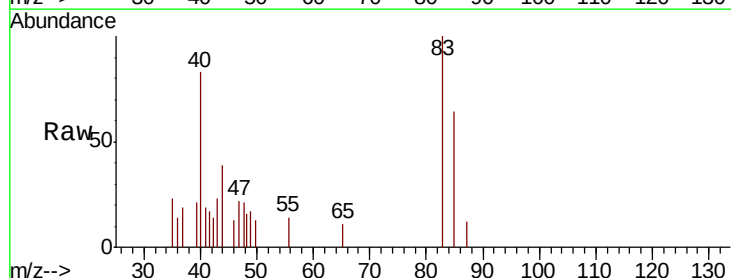
Acq: 10 May 2019 05:23

Tgt Ion: 83 Resp: 1090

Ion Ratio Lower Upper

83 100

85 63.6 51.5 77.3

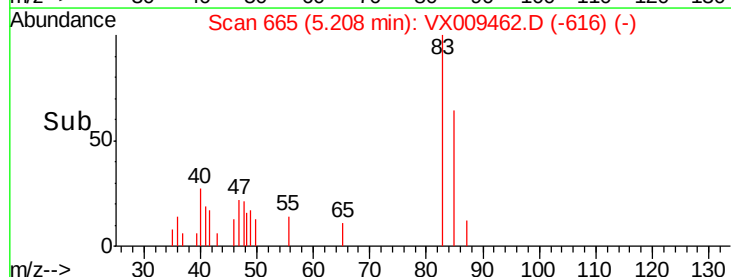


Abundance Ion 82.90 (82.60 to 83.60): VX0

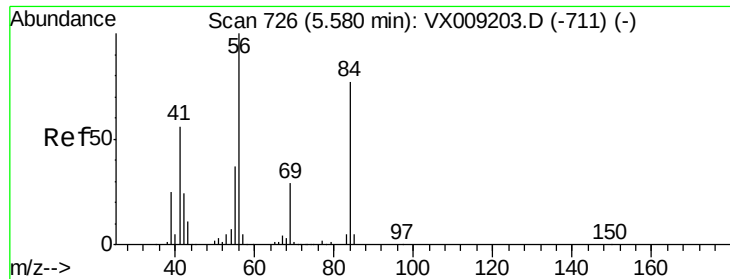
Ion 84.90 (84.60 to 85.60): VX0

5.21

Time-->



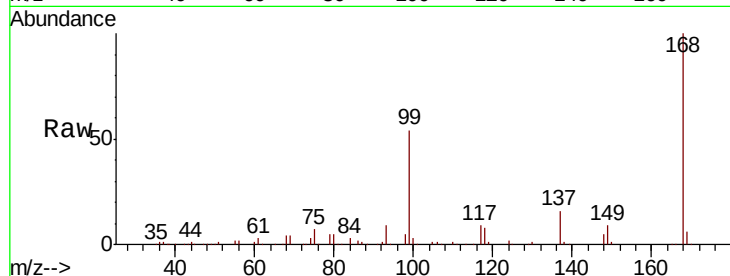
Time-->



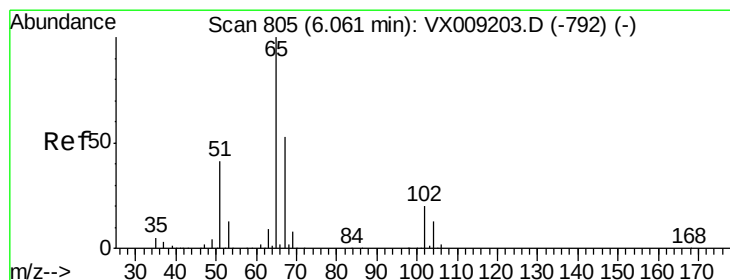
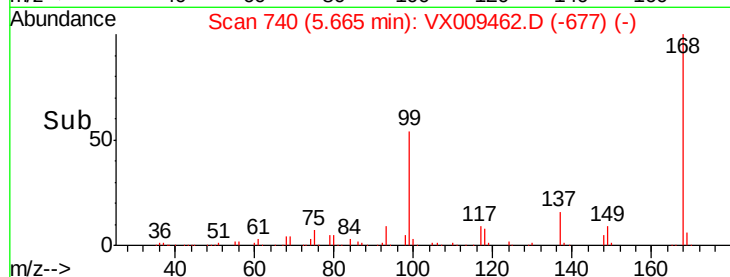
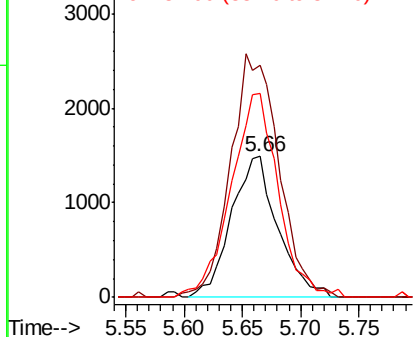
#31
Cyclohexane
Concen: 1.084 ug/l
RT: 5.66 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009462.D
Acq: 10 May 2019 05:23

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 4152
Ion Ratio Lower Upper
56 100
69 164.7 23.4 35.0#
84 139.9 61.9 92.9#

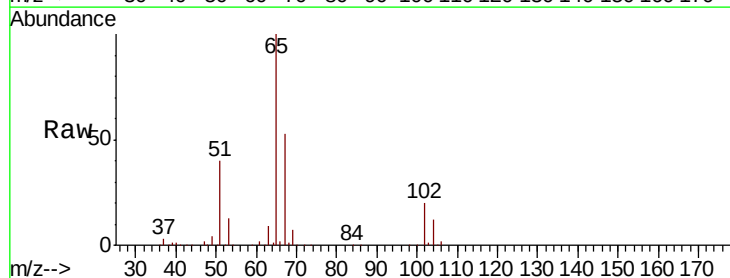


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

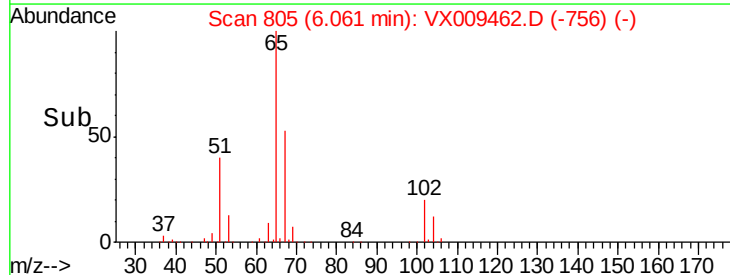
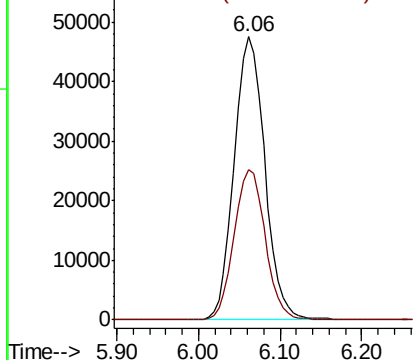


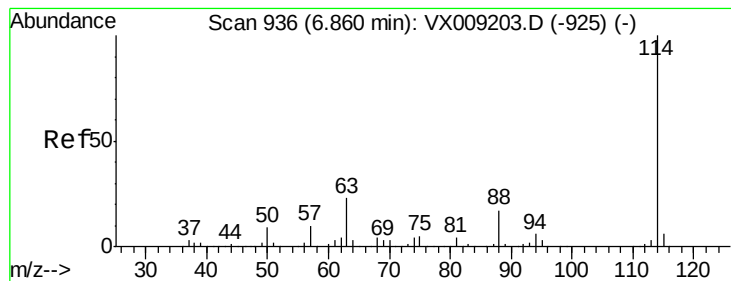
#33
1,2-Dichloroethane-d4
Concen: 47.833 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009462.D
Acq: 10 May 2019 05:23

Tgt Ion: 65 Resp: 123912
Ion Ratio Lower Upper
65 100
67 54.1 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: VX009462.D

Acq: 10 May 2019 05:23

Instrument :

MSVOA_X

ClientSampleId :

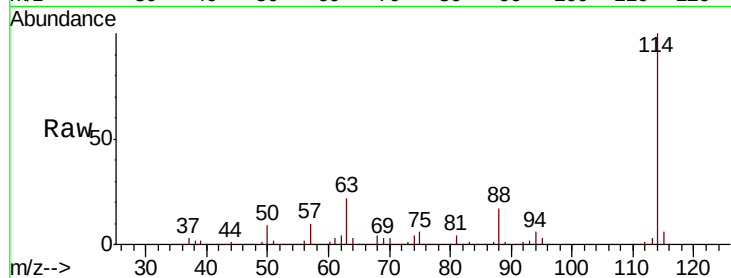
Tot Ion:114 Resp: 305816

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.6

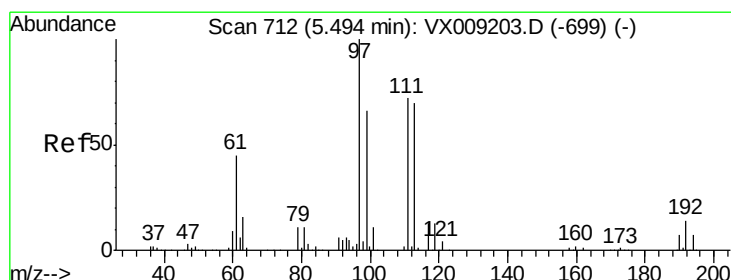
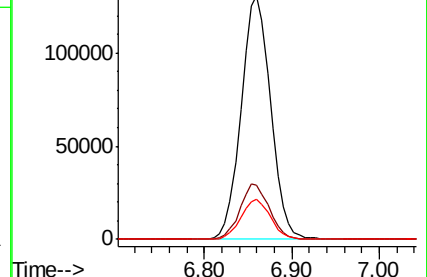
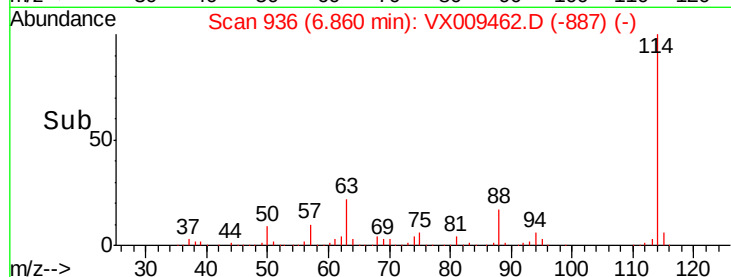
88 16.5 0.0 33.2



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: 48.439 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009462.D

Acq: 10 May 2019 05:23

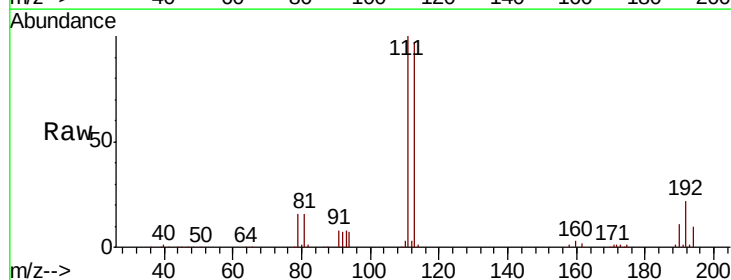
Tgt Ion:113 Resp: 93124

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

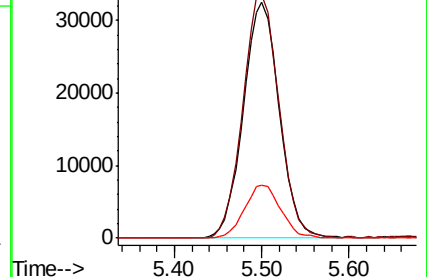
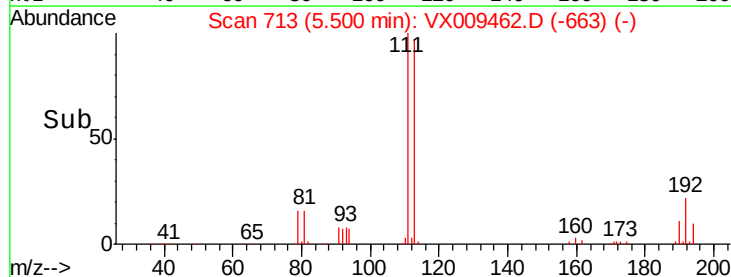
192 22.6 17.0 25.6

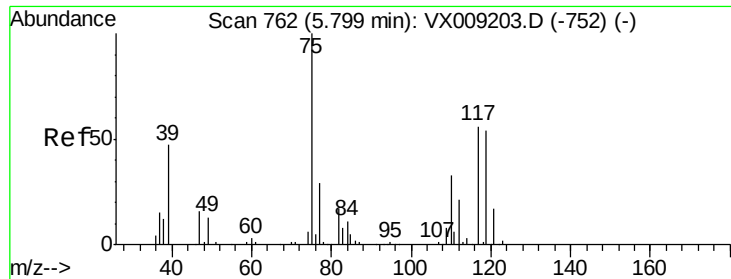


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

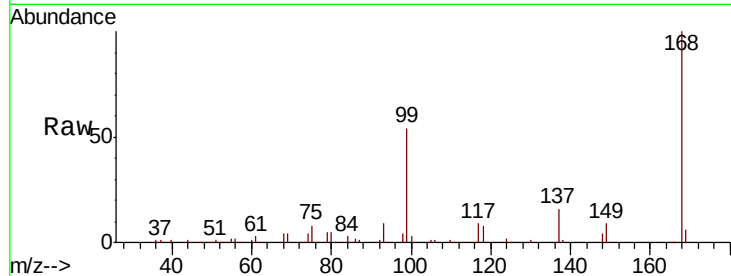




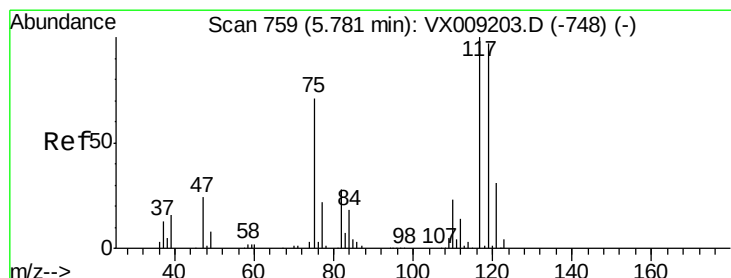
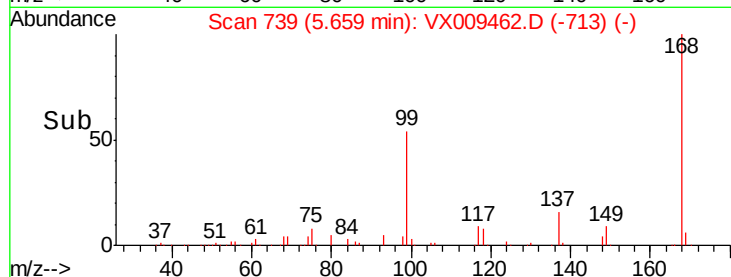
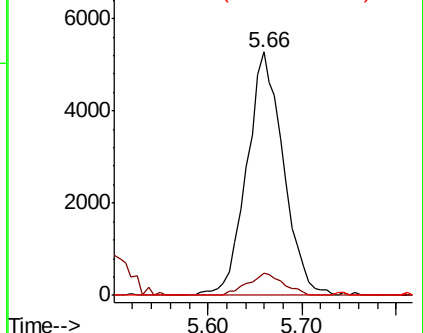
#36
 1,1-Dichloropropene
 Concen: 5.049 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009462.D
 Acq: 10 May 2019 05:23

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.9	50.6#
77	0.0	24.8	37.2#

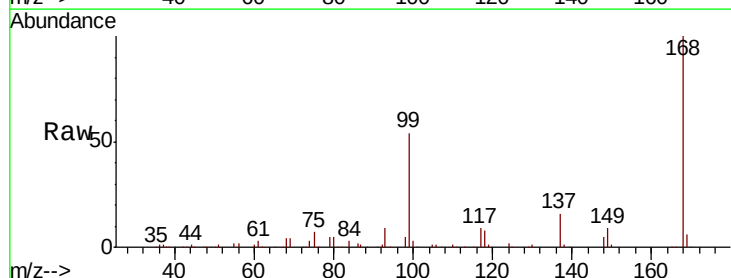


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

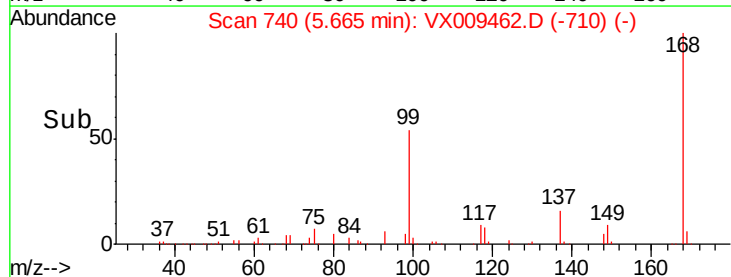
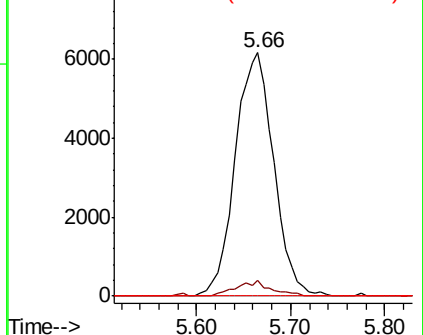


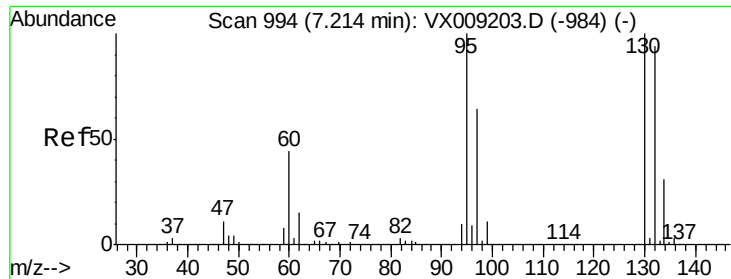
#38
 Carbon Tetrachloride
 Concen: 6.808 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009462.D
 Acq: 10 May 2019 05:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	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





#44

Trichloroethene

Concen: 9.417 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009462.D

Acq: 10 May 2019 05:23

Instrument :

MSVOA_X

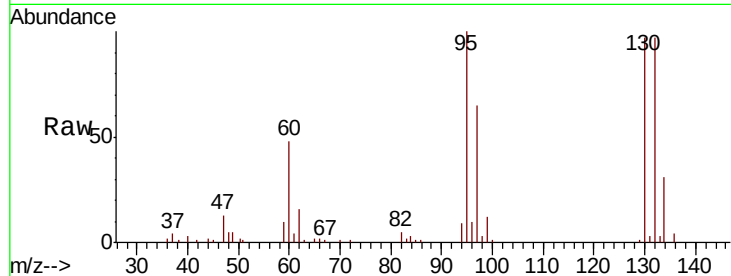
ClientSampleId :

Tot Ion:130 Resp: 20024

Ion Ratio Lower Upper

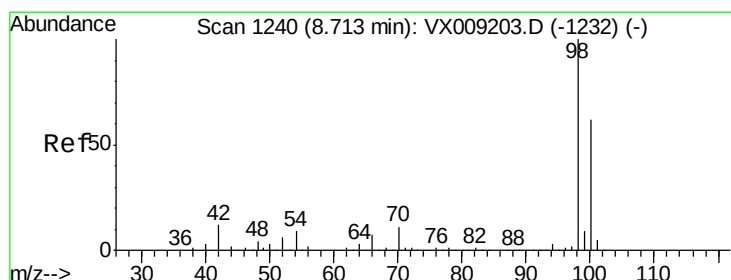
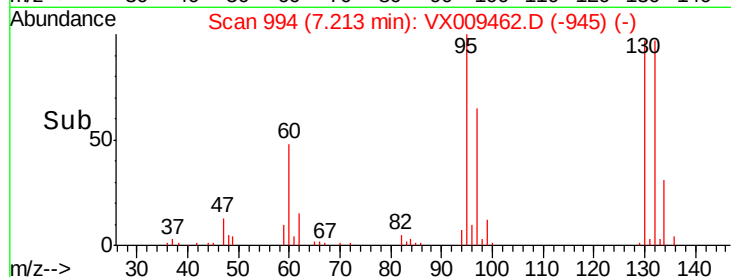
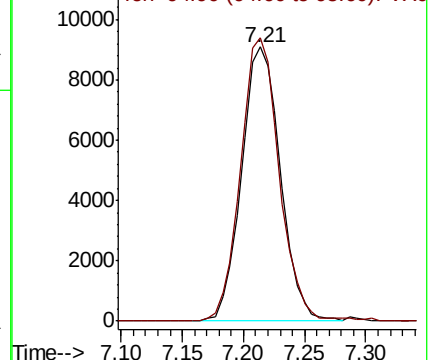
130 100

95 103.4 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.851 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009462.D

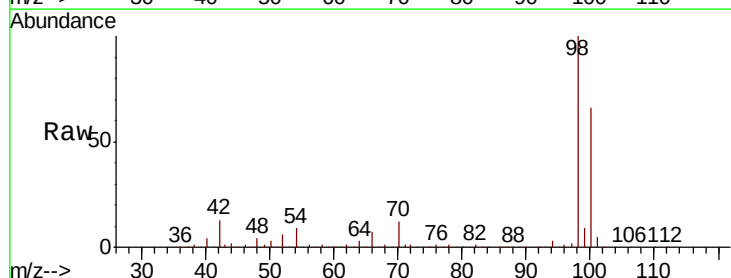
Acq: 10 May 2019 05:23

Tgt Ion: 98 Resp: 379160

Ion Ratio Lower Upper

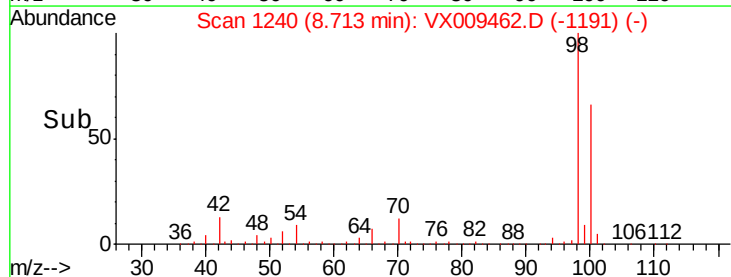
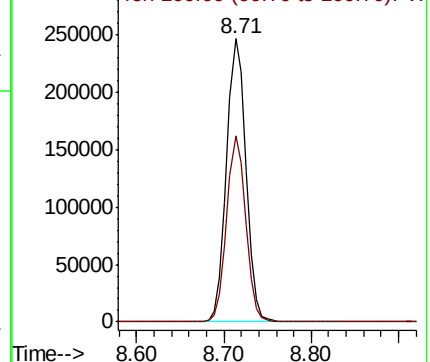
98 100

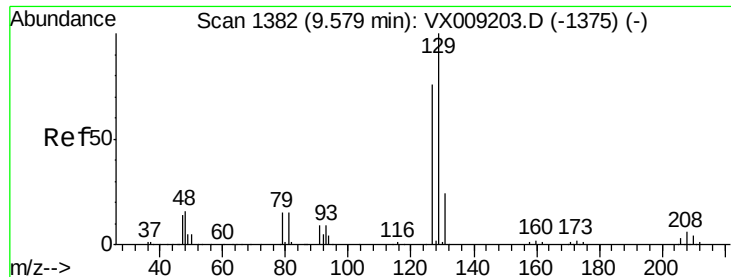
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

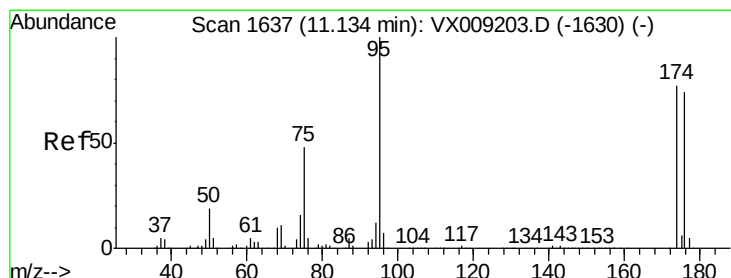
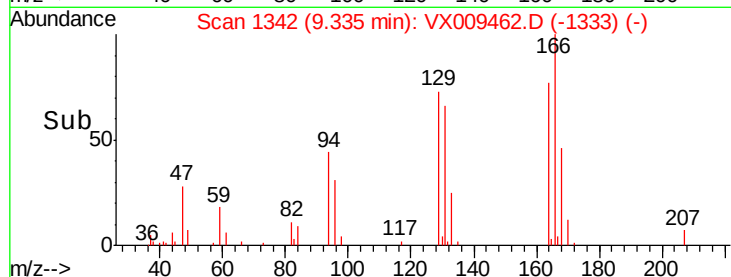
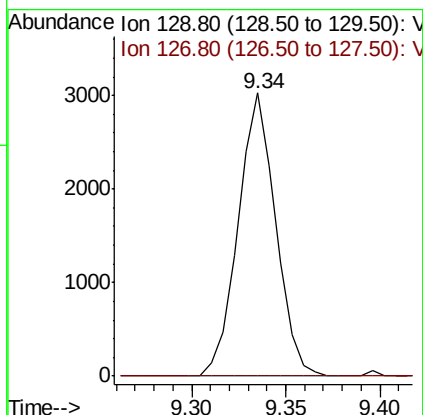
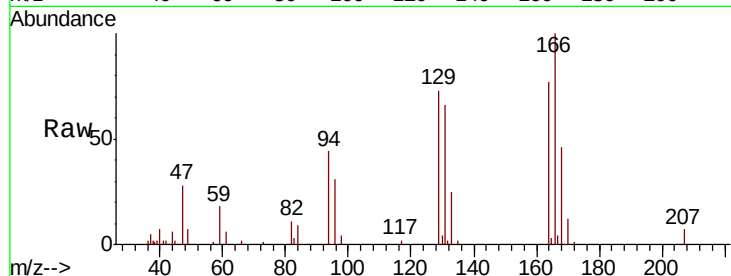




#60
 Dibromochloromethane
 Concen: 1.958 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009462.D
 Acq: 10 May 2019 05:23

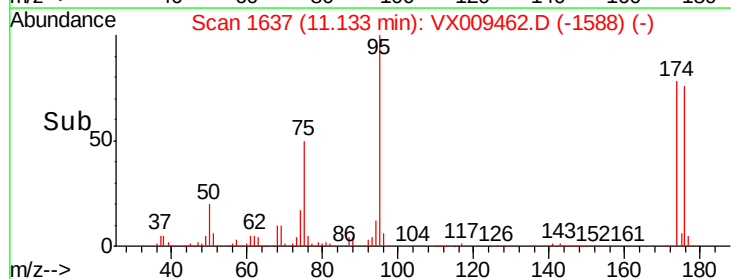
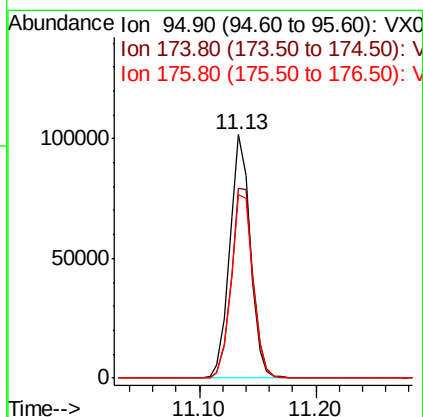
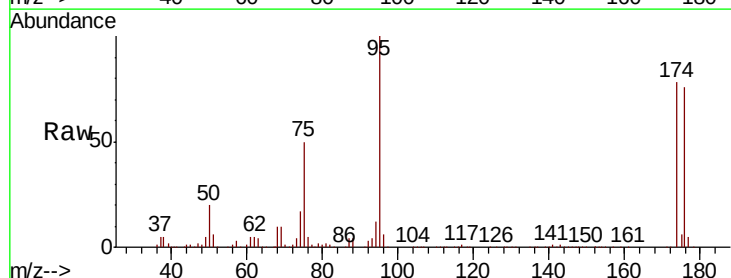
Instrument :
 MSVOA_X
 ClientSampleId :

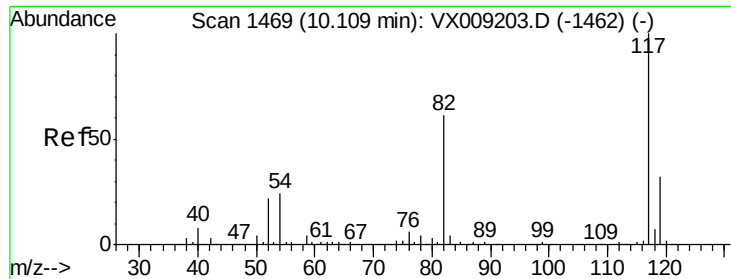
Tot Ion:129 Resp: 4172
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.1#



#62
 4-Bromofluorobenzene
 Concen: 44.356 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009462.D
 Acq: 10 May 2019 05:23

Tgt Ion: 95 Resp: 125094
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 161.6
 176 80.1 0.0 159.2

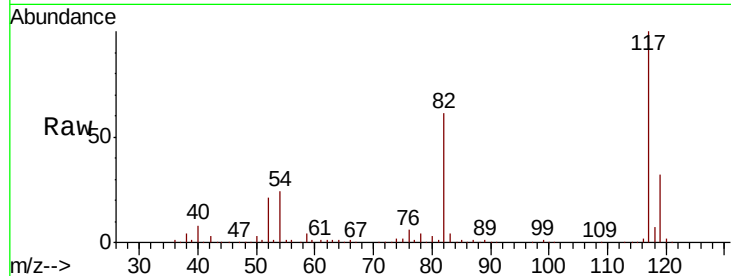




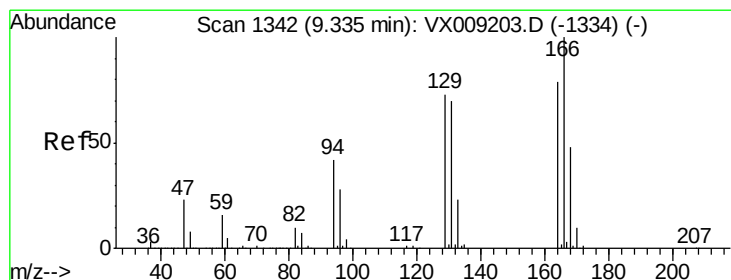
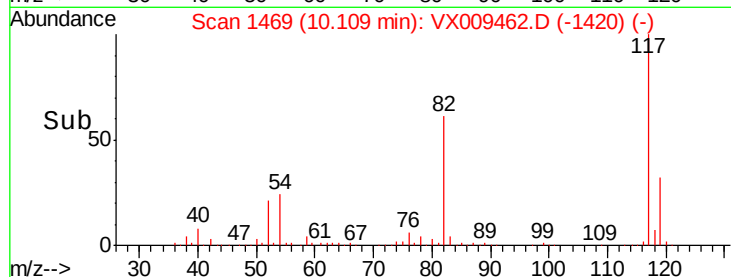
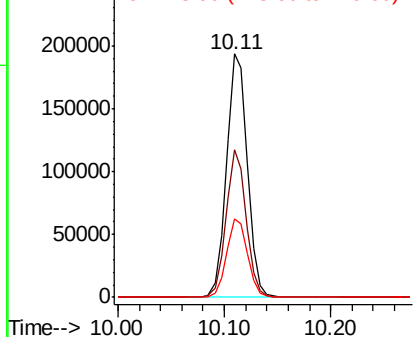
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009462.D
Acq: 10 May 2019 05:23

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 265530
Ion Ratio Lower Upper
117 100
82 60.6 48.8 73.2
119 32.0 25.8 38.6

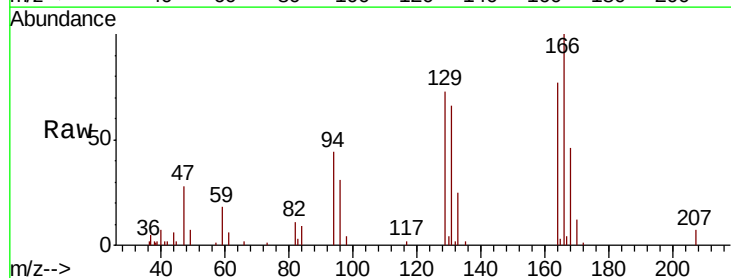


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

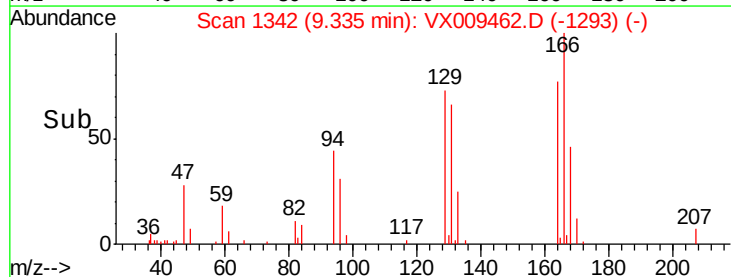
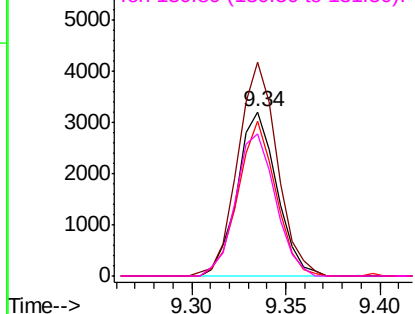


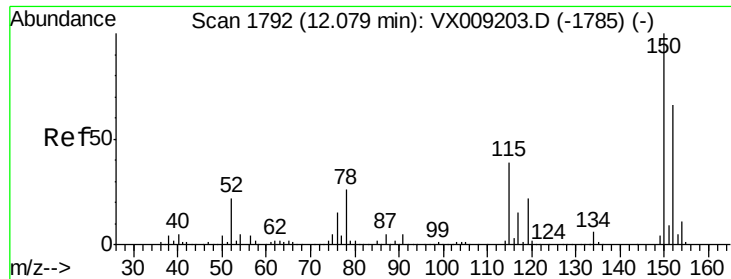
#64
Tetrachloroethene
Concen: 2.563 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009462.D
Acq: 10 May 2019 05:23

Tgt Ion:164 Resp: 4668
Ion Ratio Lower Upper
164 100
166 130.2 101.2 151.8
129 94.5 74.3 111.5
131 86.4 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: VX009462.D

Acq: 10 May 2019 05:23

Instrument :

MSVOA_X

ClientSampleId :

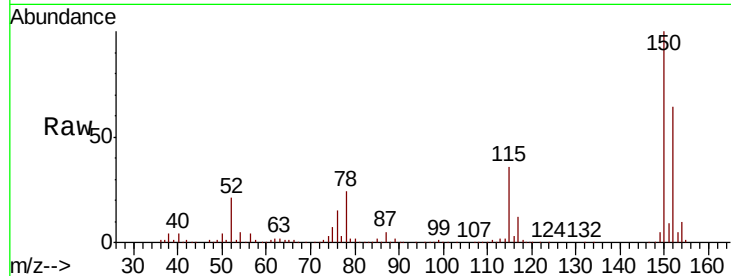
Tot Ion:152 Resp: 111947

Ion Ratio Lower Upper

152 100

115 59.0 41.2 123.6

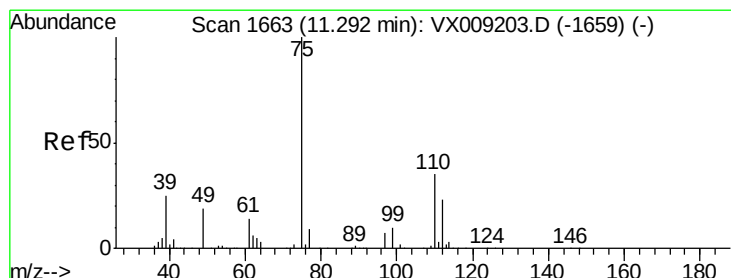
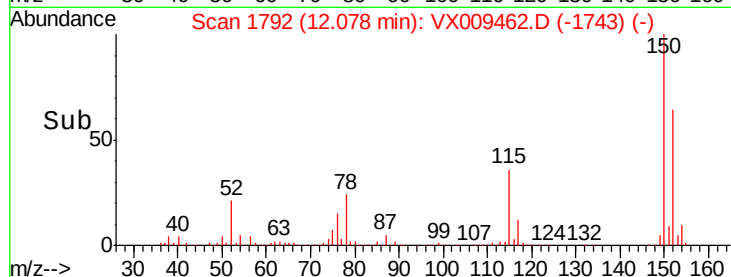
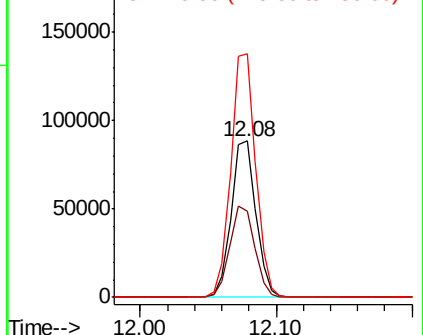
150 156.1 0.0 346.4



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: 24.115 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009462.D

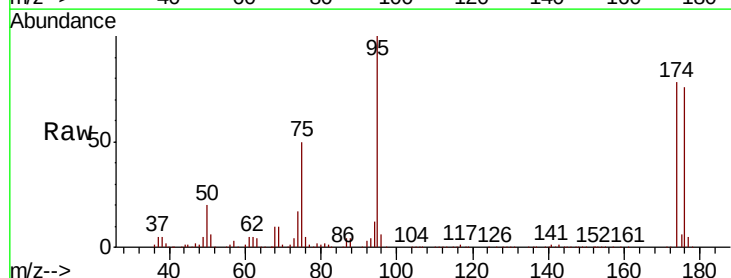
Acq: 10 May 2019 05:23

Tgt Ion: 75 Resp: 62621

Ion Ratio Lower Upper

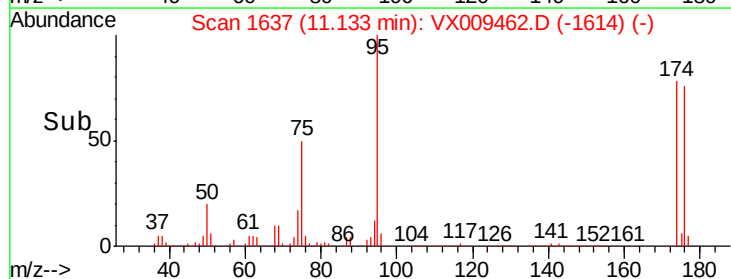
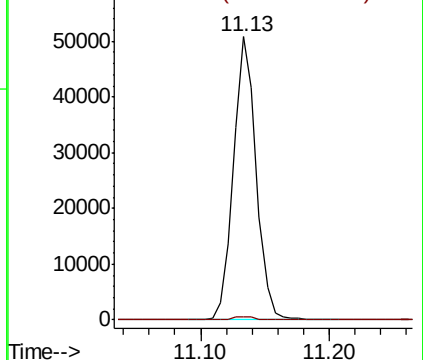
75 100

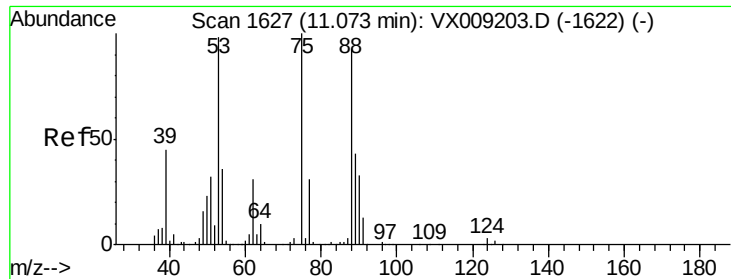
77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.702 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009462.D

Acq: 10 May 2019 05:23

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 62621

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#

