

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009781.D
 Acq On : 22 May 2019 05:24
 Operator : JC/SP
 Sample : K2953-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14E_R2

Quant Time: May 22 07:13:50 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	172345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	278991	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106233	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	117691	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	5.50	113	86094	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	8.71	98	352570	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.13	95	117515	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

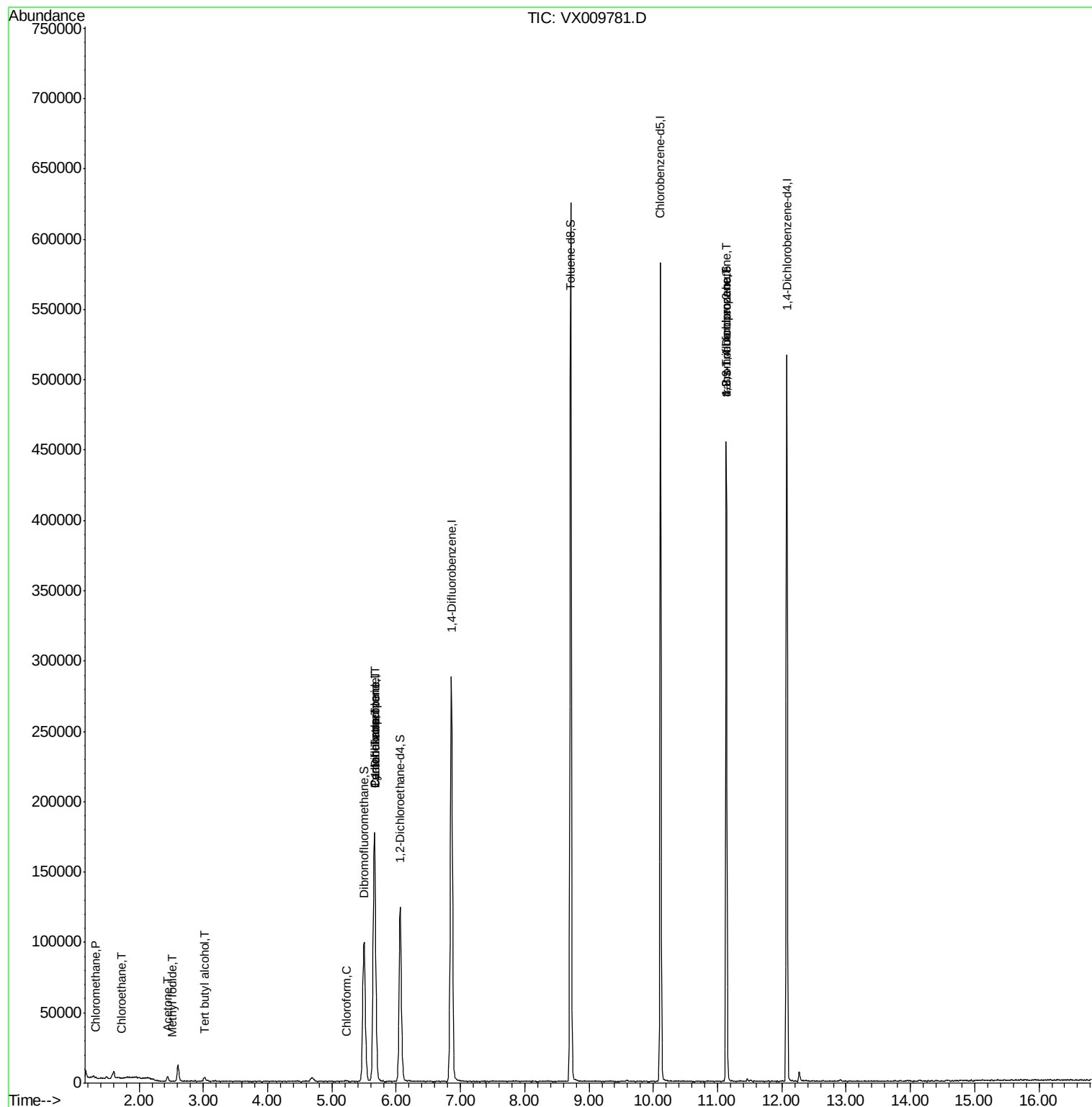
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	611	0.282	ug/l #	42
6) Chloroethane	1.72	64	413	0.304	ug/l #	61
10) Methyl Iodide	2.53	142	70	4.628	ug/l #	42
11) Tert butyl alcohol	3.01	59	1776	3.261	ug/l #	76
16) Acetone	2.44	43	4074	3.225	ug/l	97
28) Bromochloromethane	4.99	49	69	Below Cal	#	20
30) Chloroform	5.21	83	721	0.213	ug/l #	67
31) Cyclohexane	5.66	56	4013	1.154	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13444	5.185	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16454	6.985	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	60429	24.523	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60429	62.744	ug/l #	10

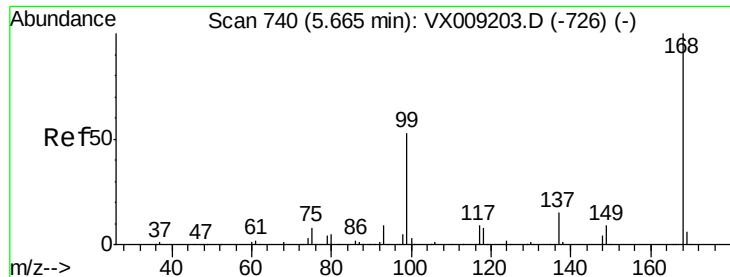
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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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: VX009781.D

Acq: 22 May 2019 05:24

Instrument :

MSVOA_X

ClientSampleId :

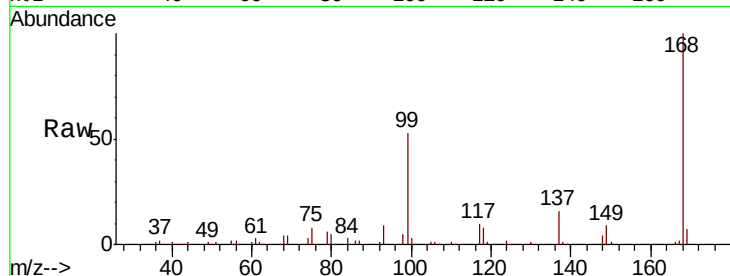
MW-14E_R2

Tot Ion:168 Resp: 172345

Ion Ratio Lower Upper

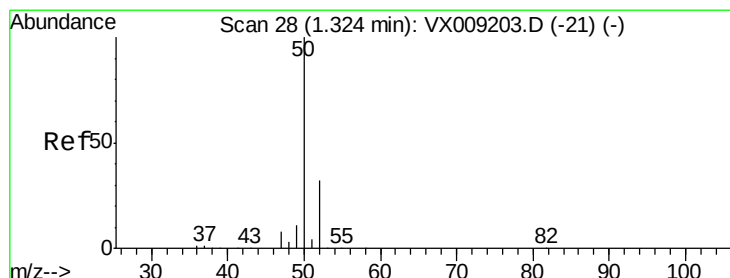
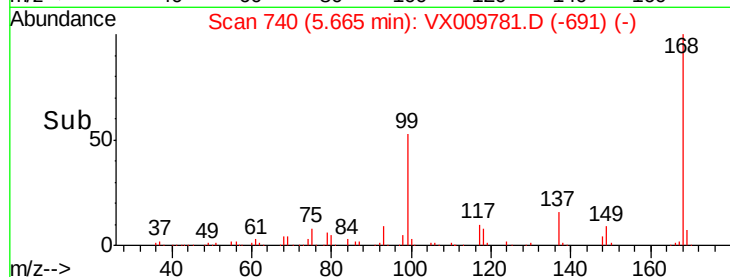
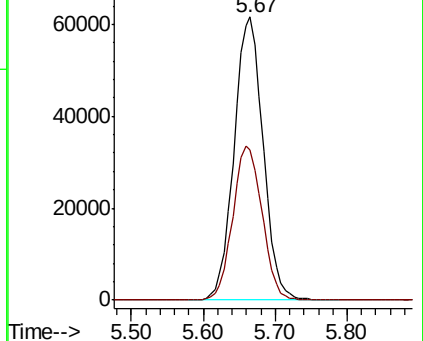
168 100

99 53.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.282 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009781.D

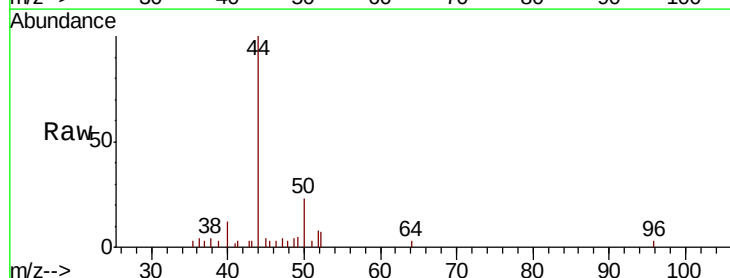
Acq: 22 May 2019 05:24

Tgt Ion: 50 Resp: 611

Ion Ratio Lower Upper

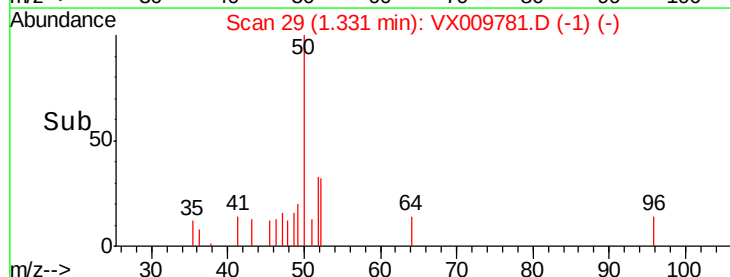
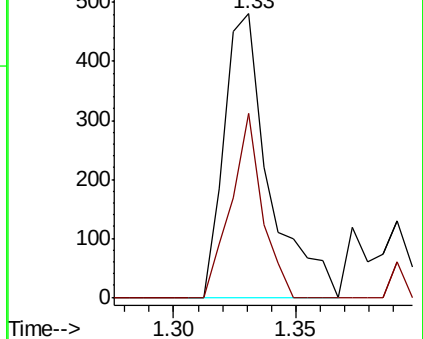
50 100

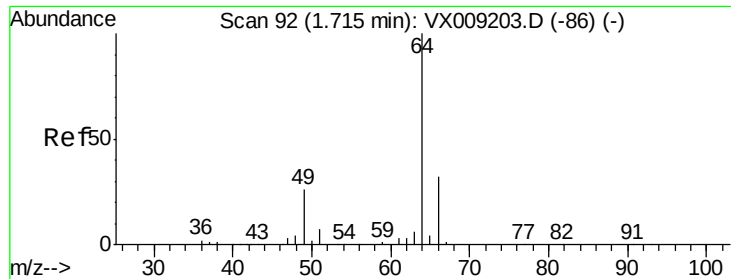
52 64.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.304 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009781.D

Acq: 22 May 2019 05:24

Instrument :

MSVOA_X

ClientSampled :

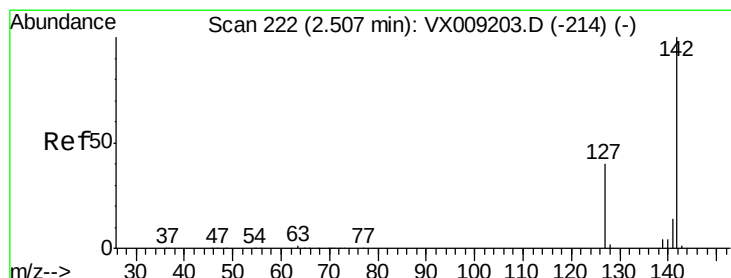
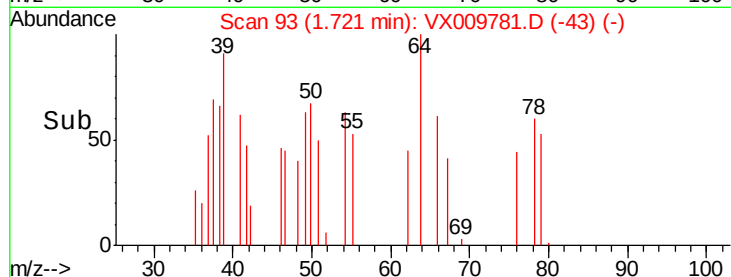
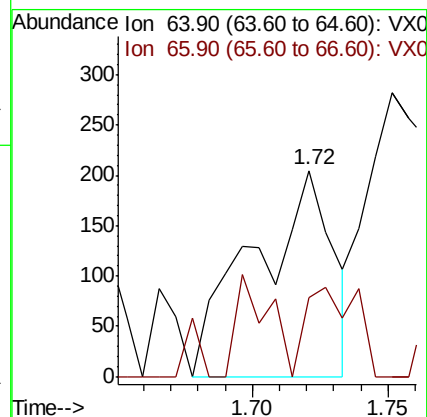
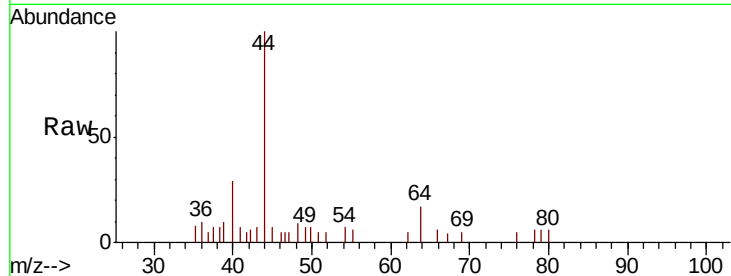
MW-14E_R2

Tot Ion: 64 Resp: 413

Ion Ratio Lower Upper

64 100

66 10.2 25.3 37.9#



#10

Methyl Iodide

Concen: 4.628 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX009781.D

Acq: 22 May 2019 05:24

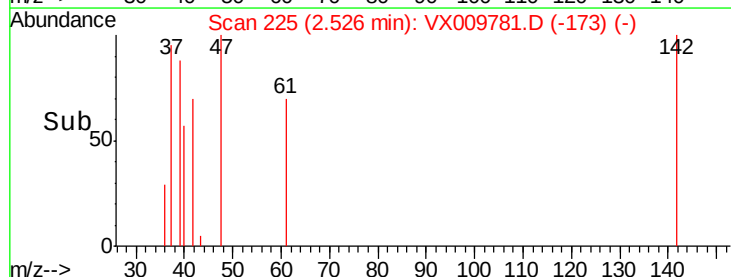
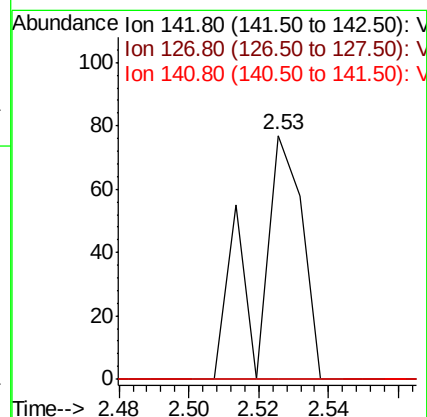
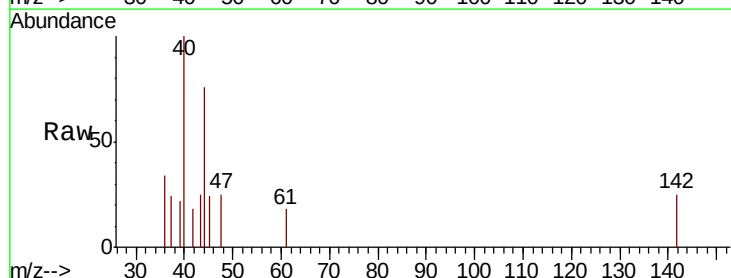
Tgt Ion: 142 Resp: 70

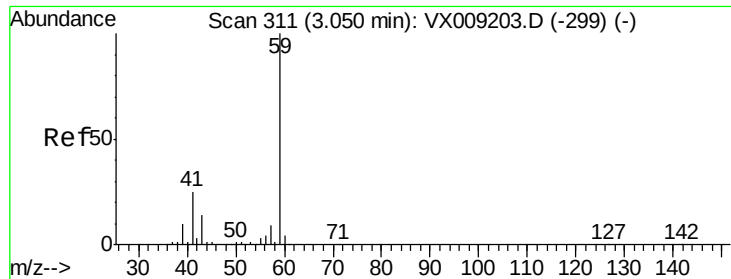
Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#

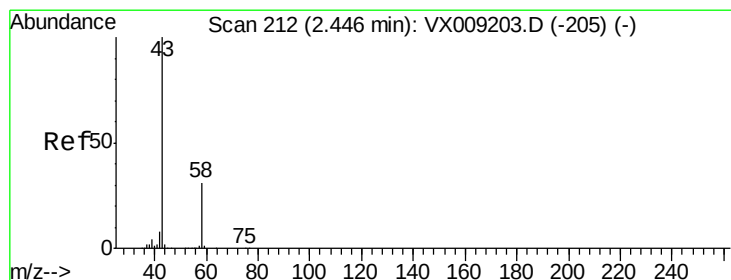
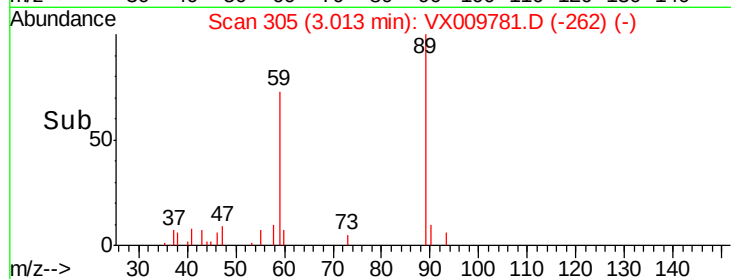
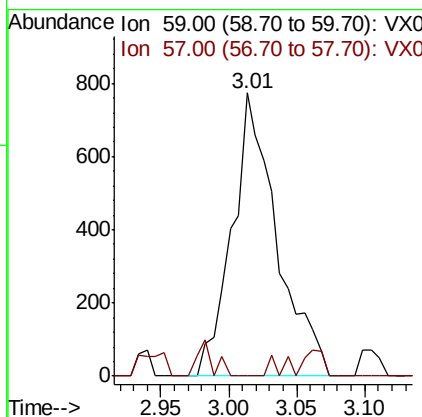
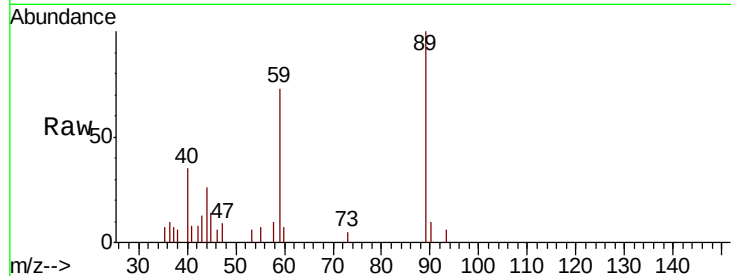




#11
Tert butyl alcohol
Concen: 3.261 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009781.D
Acq: 22 May 2019 05:24

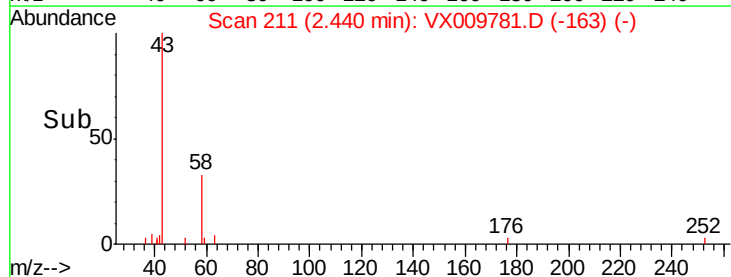
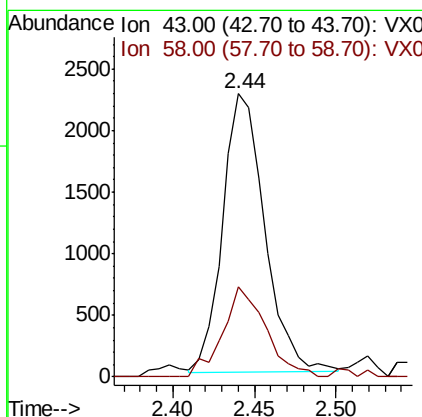
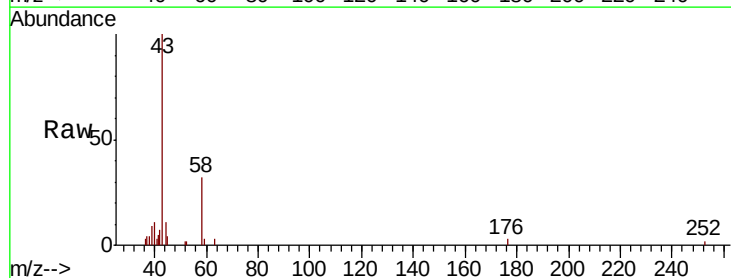
Instrument :
MSVOA_X
ClientSampled :
MW-14E_R2

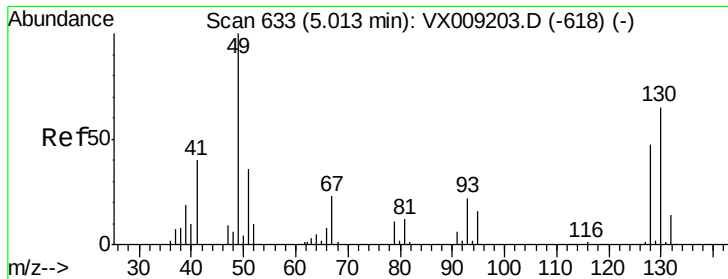
Tot Ion: 59 Resp: 1776
Ion Ratio Lower Upper
59 100
57 1.2 8.2 12.2#



#16
Acetone
Concen: 3.225 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009781.D
Acq: 22 May 2019 05:24

Tgt Ion: 43 Resp: 4074
Ion Ratio Lower Upper
43 100
58 32.6 24.9 37.3





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009781.D

Acq: 22 May 2019 05:24

Instrument :

MSVOA_X

ClientSampled :

MW-14E_R2

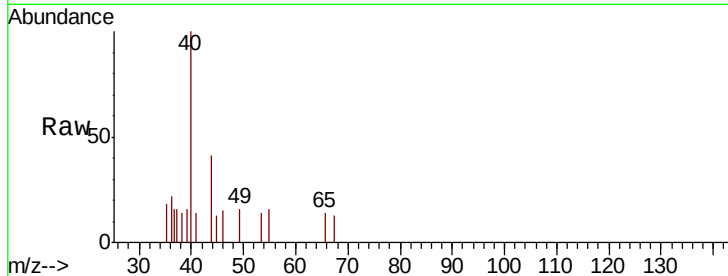
Tot Ion: 49 Resp: 69

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



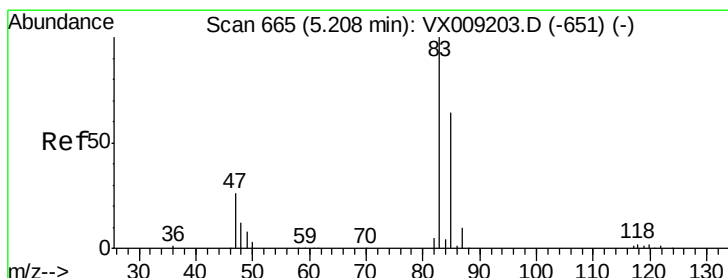
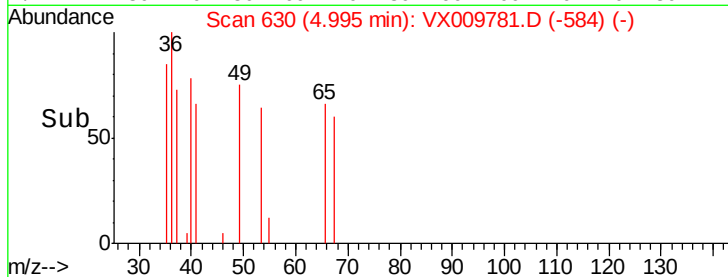
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

4.99

Time-->



#30

Chloroform

Concen: 0.213 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009781.D

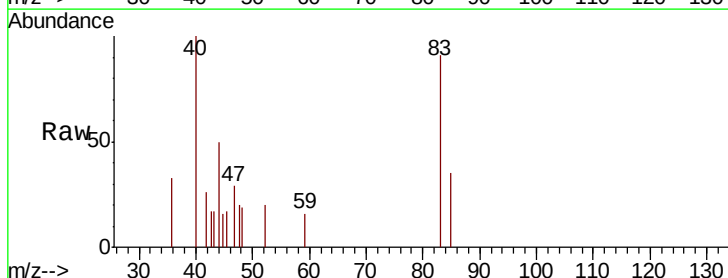
Acq: 22 May 2019 05:24

Tgt Ion: 83 Resp: 721

Ion Ratio Lower Upper

83 100

85 38.3 51.5 77.3#

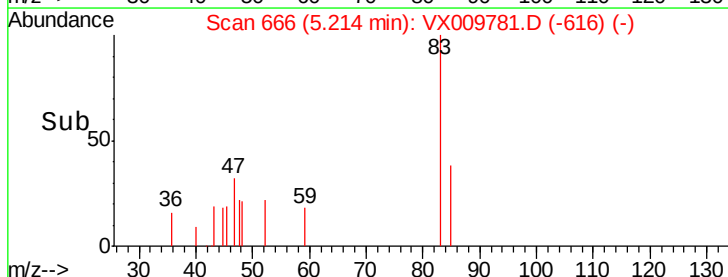


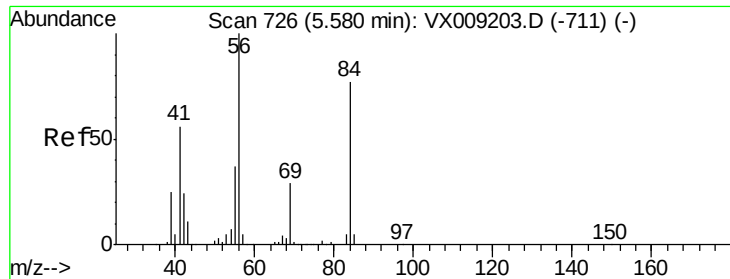
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.21

Time-->

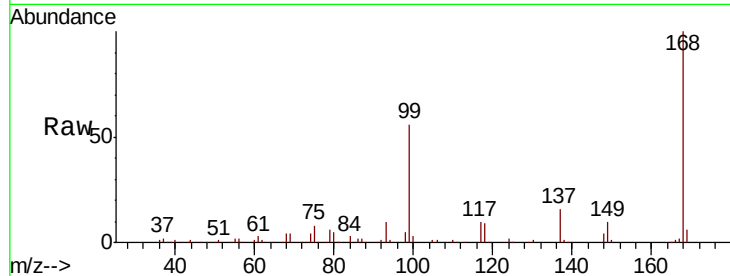




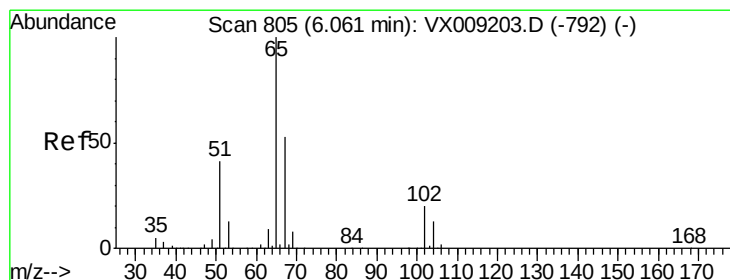
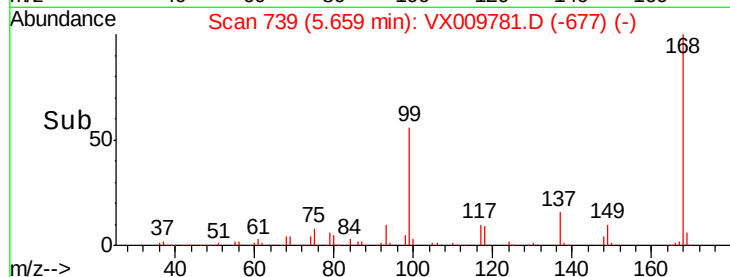
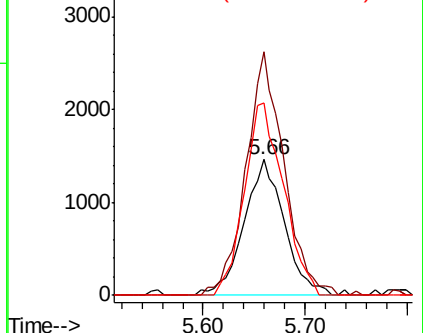
#31
Cyclohexane
Concen: 1.154 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009781.D
Acq: 22 May 2019 05:24

Instrument :
MSVOA_X
ClientSampleId :
MW-14E_R2

Tot Ion: 56 Resp: 4013
Ion Ratio Lower Upper
56 100
69 179.5 23.4 35.0#
84 142.2 61.9 92.9#

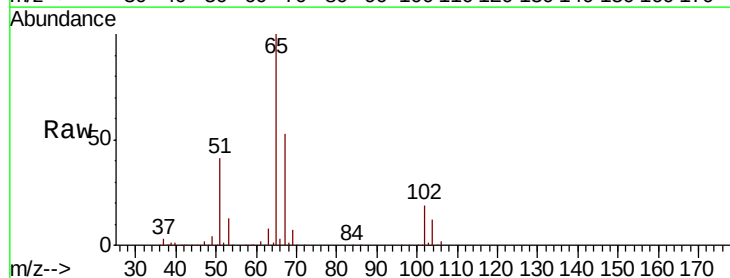


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

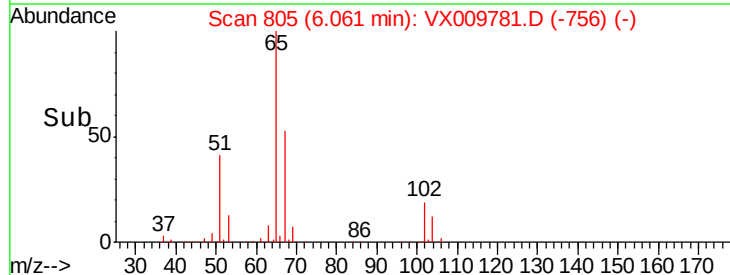
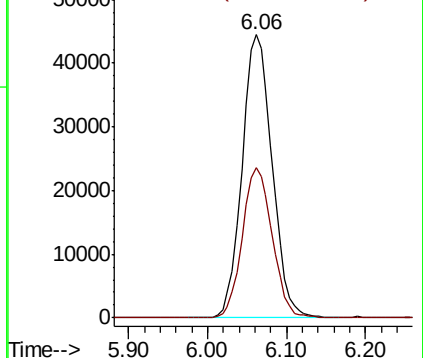


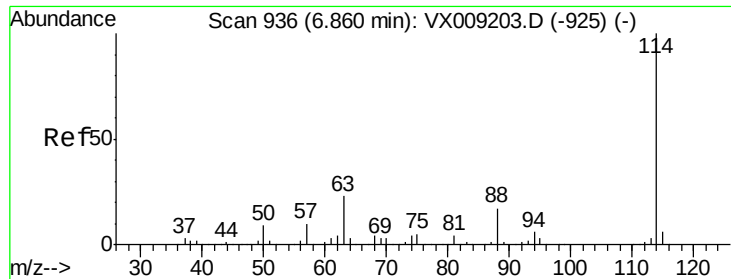
#33
1,2-Dichloroethane-d4
Concen: 50.024 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009781.D
Acq: 22 May 2019 05:24

Tgt Ion: 65 Resp: 117691
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6



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

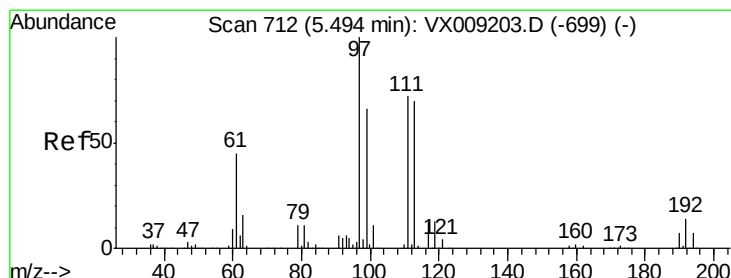
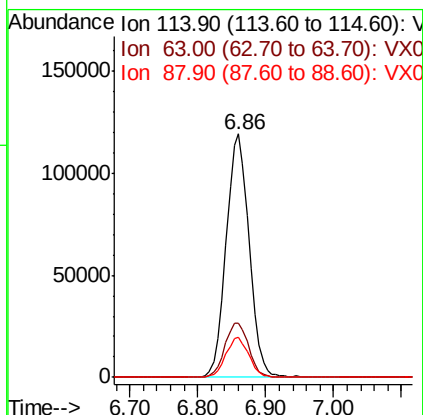
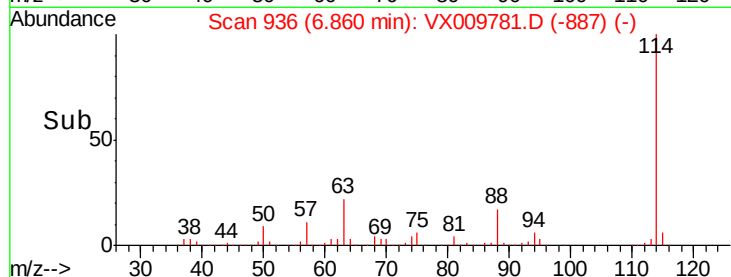
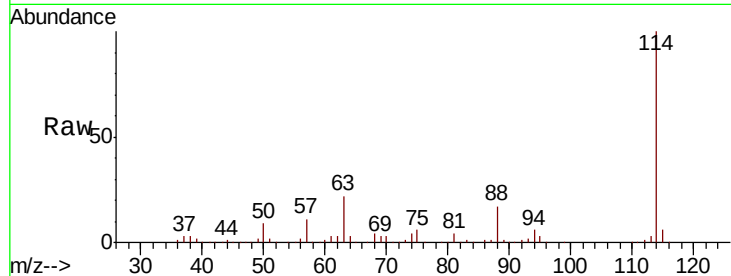




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009781.D
 Acq: 22 May 2019 05:24

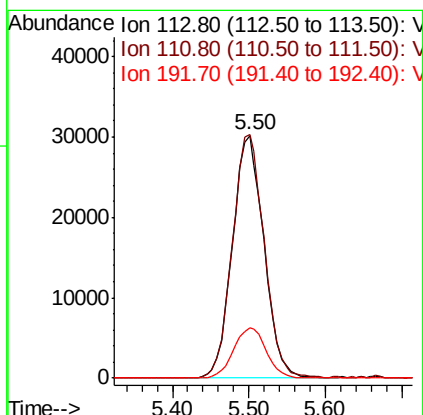
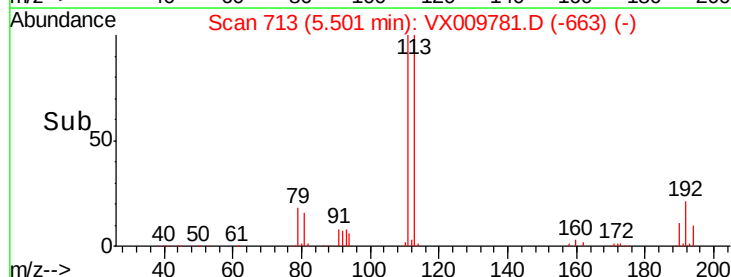
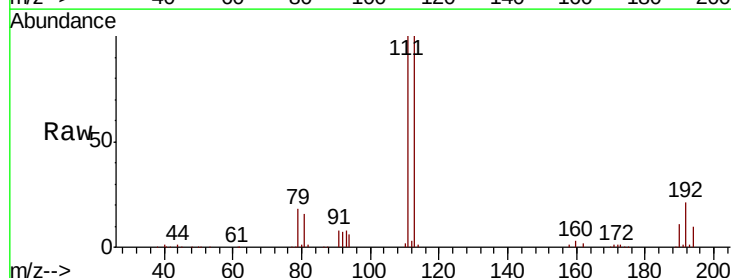
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14E_R2

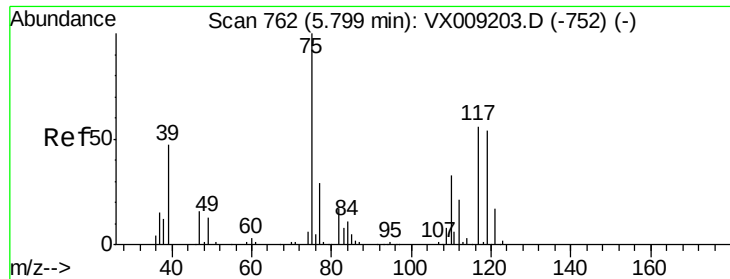
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	45.6
88	16.7	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 49.089 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009781.D
 Acq: 22 May 2019 05:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.8	124.2
192	21.3	17.0	25.6

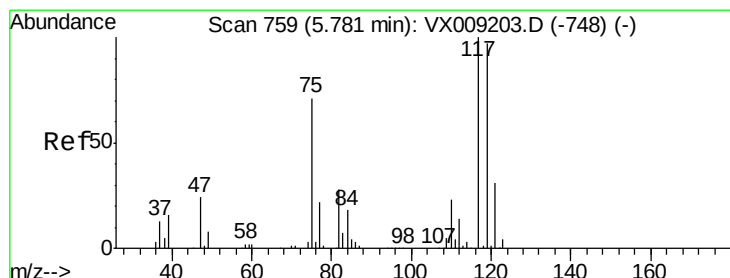
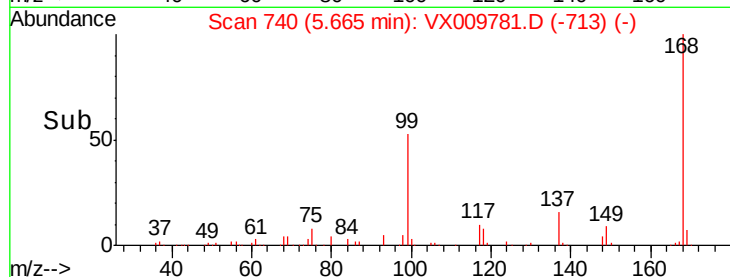
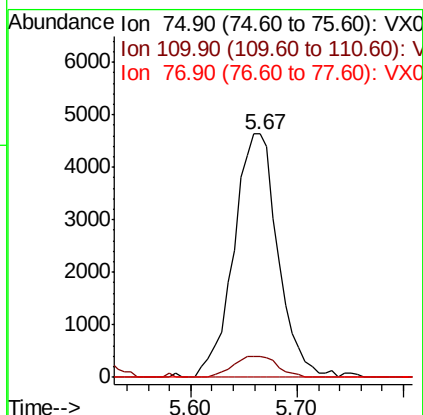
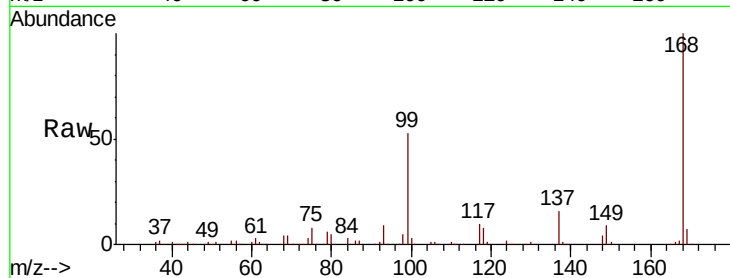




#36
 1,1-Dichloropropene
 Concen: 5.185 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009781.D
 Acq: 22 May 2019 05:24

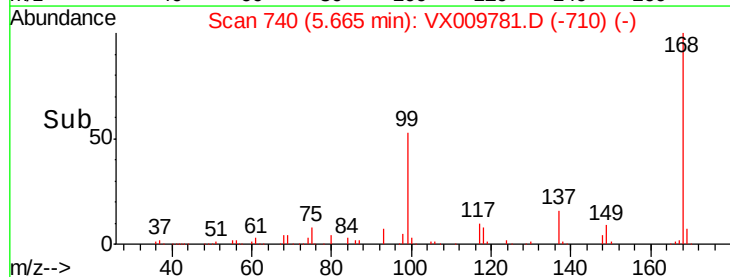
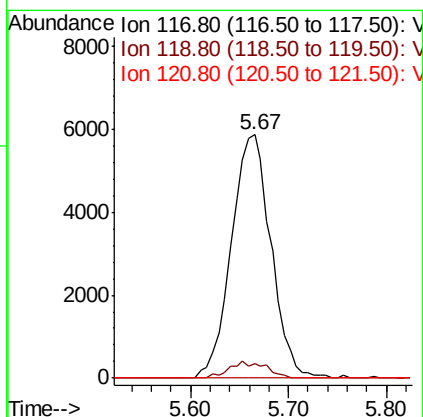
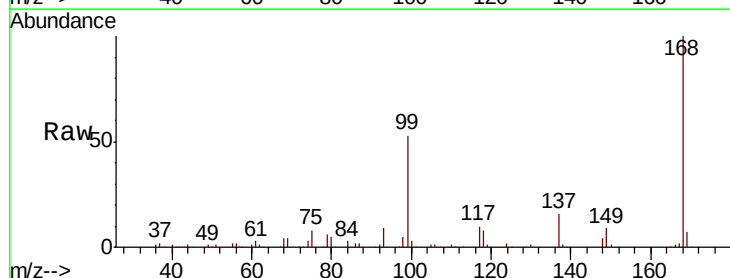
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14E_R2

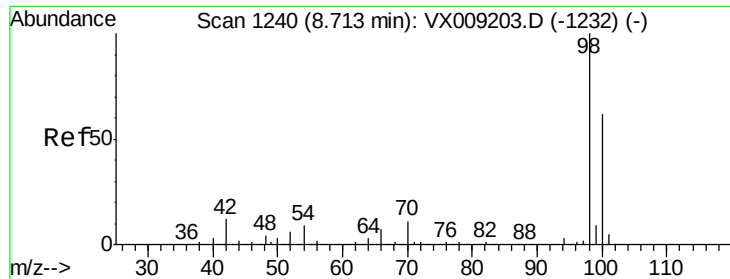
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.985 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009781.D
 Acq: 22 May 2019 05:24

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





#50

Toluene-d8

Concen: 49.793 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009781.D

Acq: 22 May 2019 05:24

Instrument :

MSVOA_X

ClientSampled :

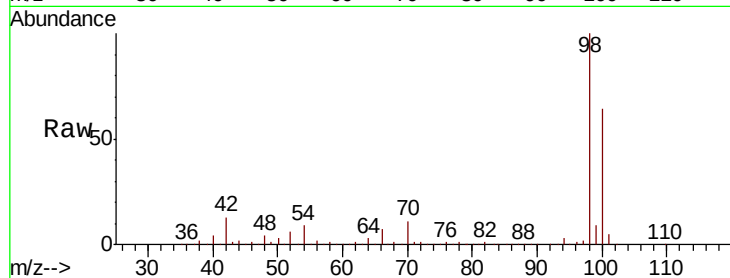
MW-14E_R2

Tot Ion: 98 Resp: 352570

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

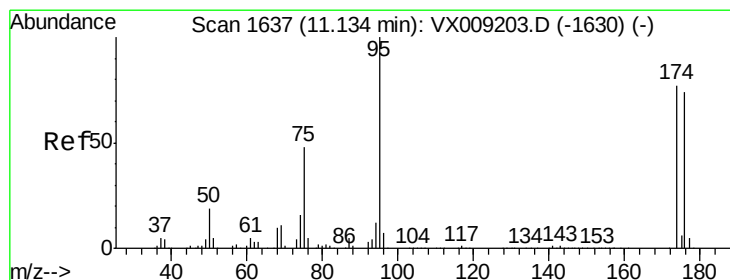
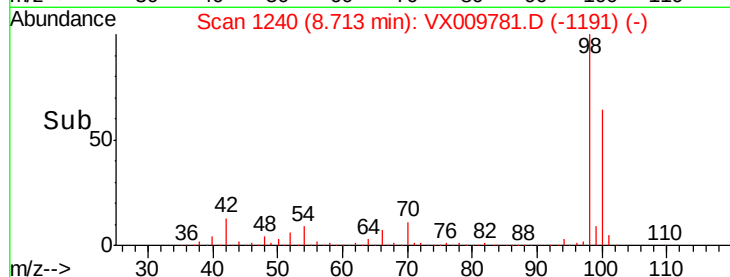
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 45.675 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009781.D

Acq: 22 May 2019 05:24

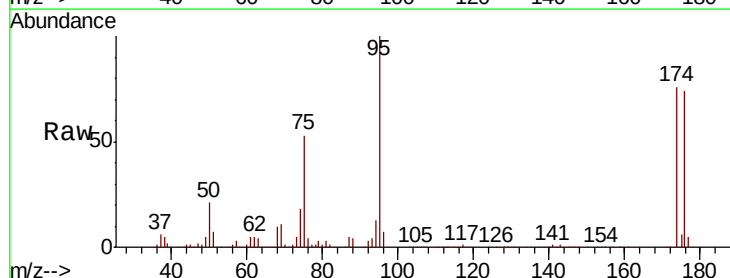
Tgt Ion: 95 Resp: 117515

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.6

176 77.6 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

120000

100000

80000

60000

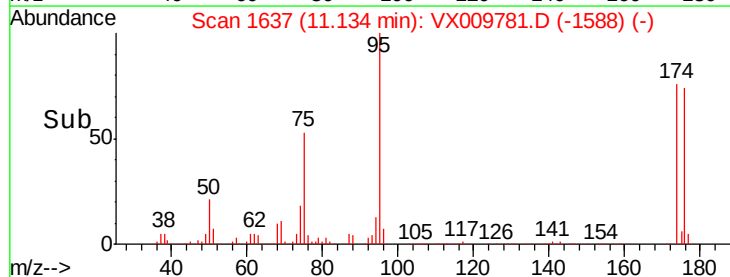
40000

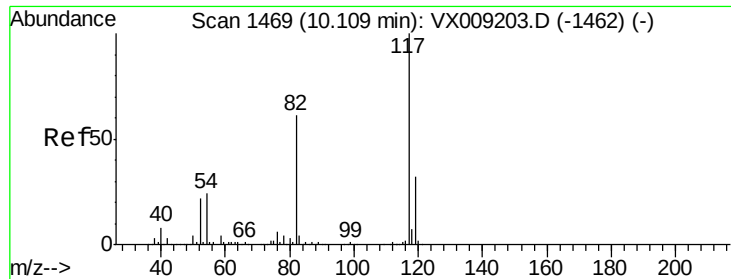
20000

0

11.10 11.20

Time-->

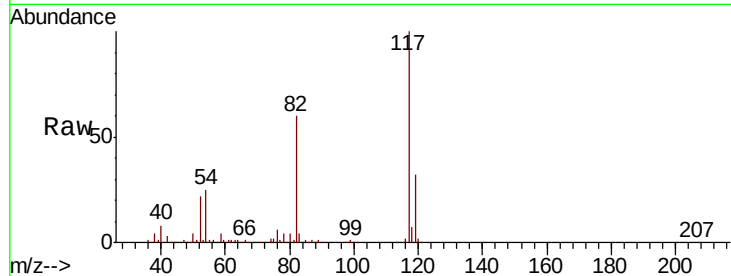




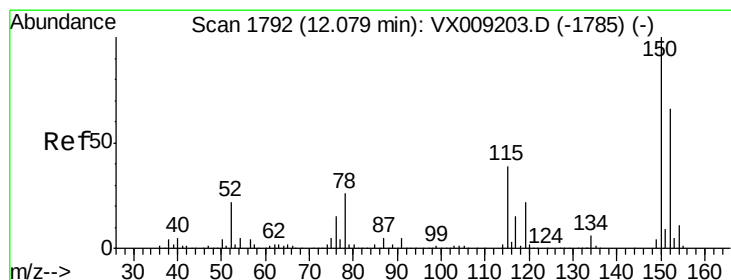
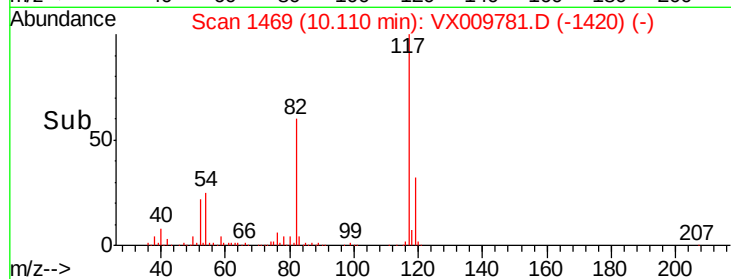
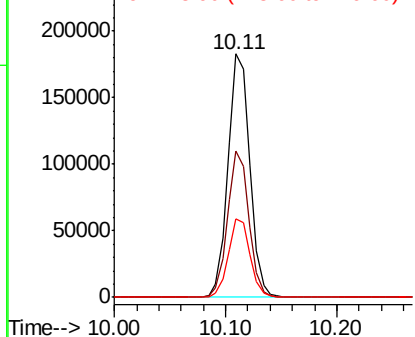
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009781.D
Acq: 22 May 2019 05:24

Instrument :
MSVOA_X
ClientSampleId :
MW-14E_R2

Tot Ion:117 Resp: 247806
Ion Ratio Lower Upper
117 100
82 59.8 48.8 73.2
119 32.1 25.8 38.6

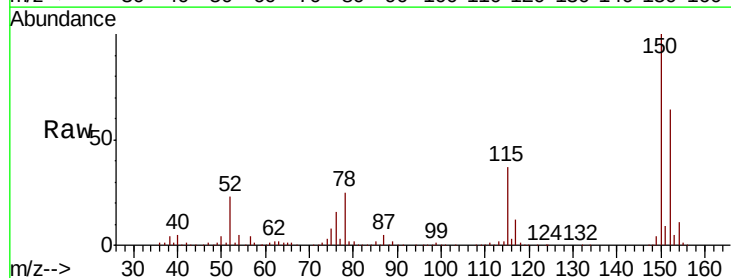


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

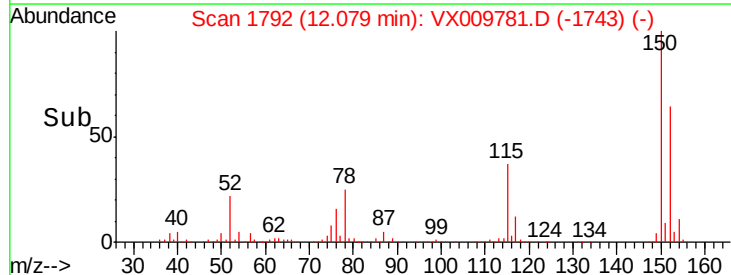
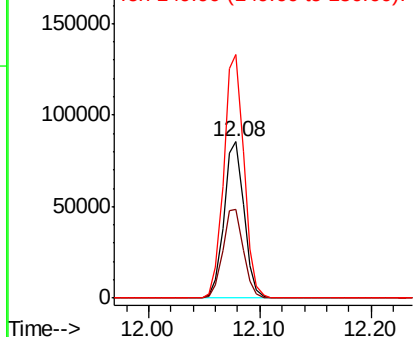


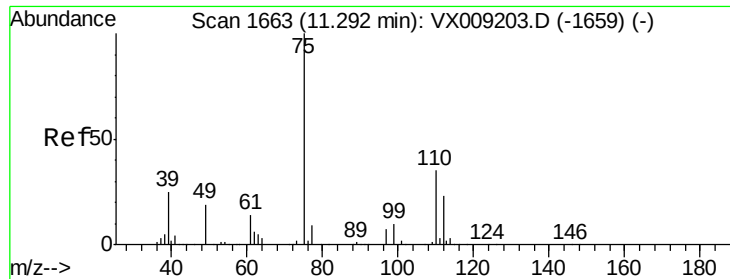
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009781.D
Acq: 22 May 2019 05:24

Tgt Ion:152 Resp: 106233
Ion Ratio Lower Upper
152 100
115 58.1 41.2 123.6
150 156.5 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: 24.523 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009781.D

Acq: 22 May 2019 05:24

Instrument :

MSVOA_X

ClientSampled :

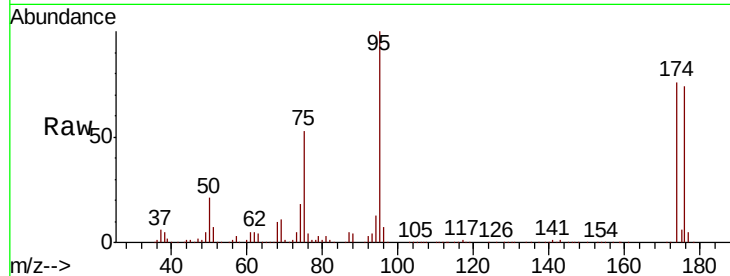
MW-14E_R2

Tot Ion: 75 Resp: 60429

Ion Ratio Lower Upper

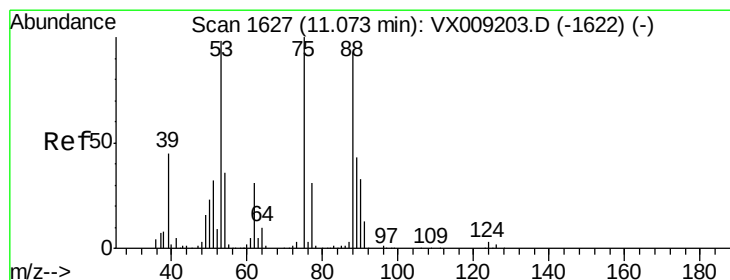
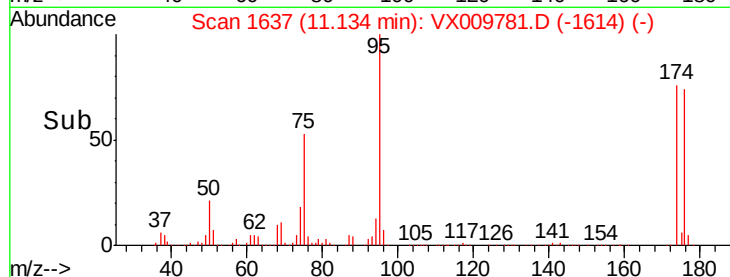
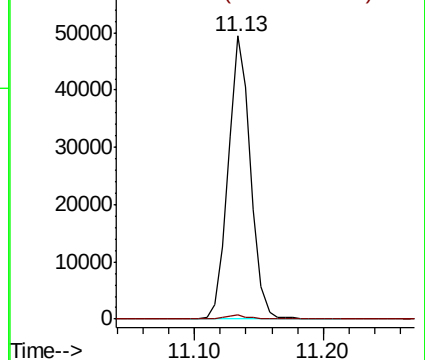
75 100

77 1.4 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: 62.744 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009781.D

Acq: 22 May 2019 05:24

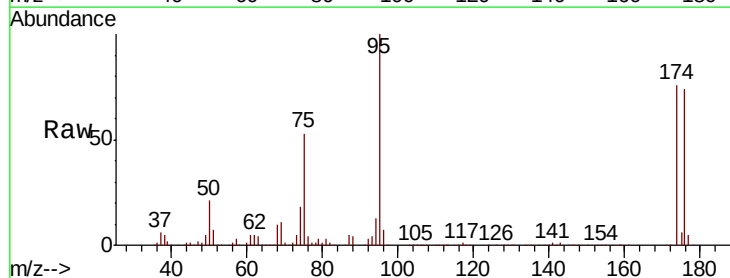
Tgt Ion: 75 Resp: 60429

Ion Ratio Lower Upper

75 100

53 0.3 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

