

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\
 Data File : VX009530.D
 Acq On : 11 May 2019 17:04
 Operator : JC/SP
 Sample : K2799-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3D

Quant Time: May 12 02:01:21 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	187466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	298131	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114899	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	120721	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
35) Dibromofluoromethane	5.50	113	89663	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	8.71	98	375437	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.13	95	127170	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	

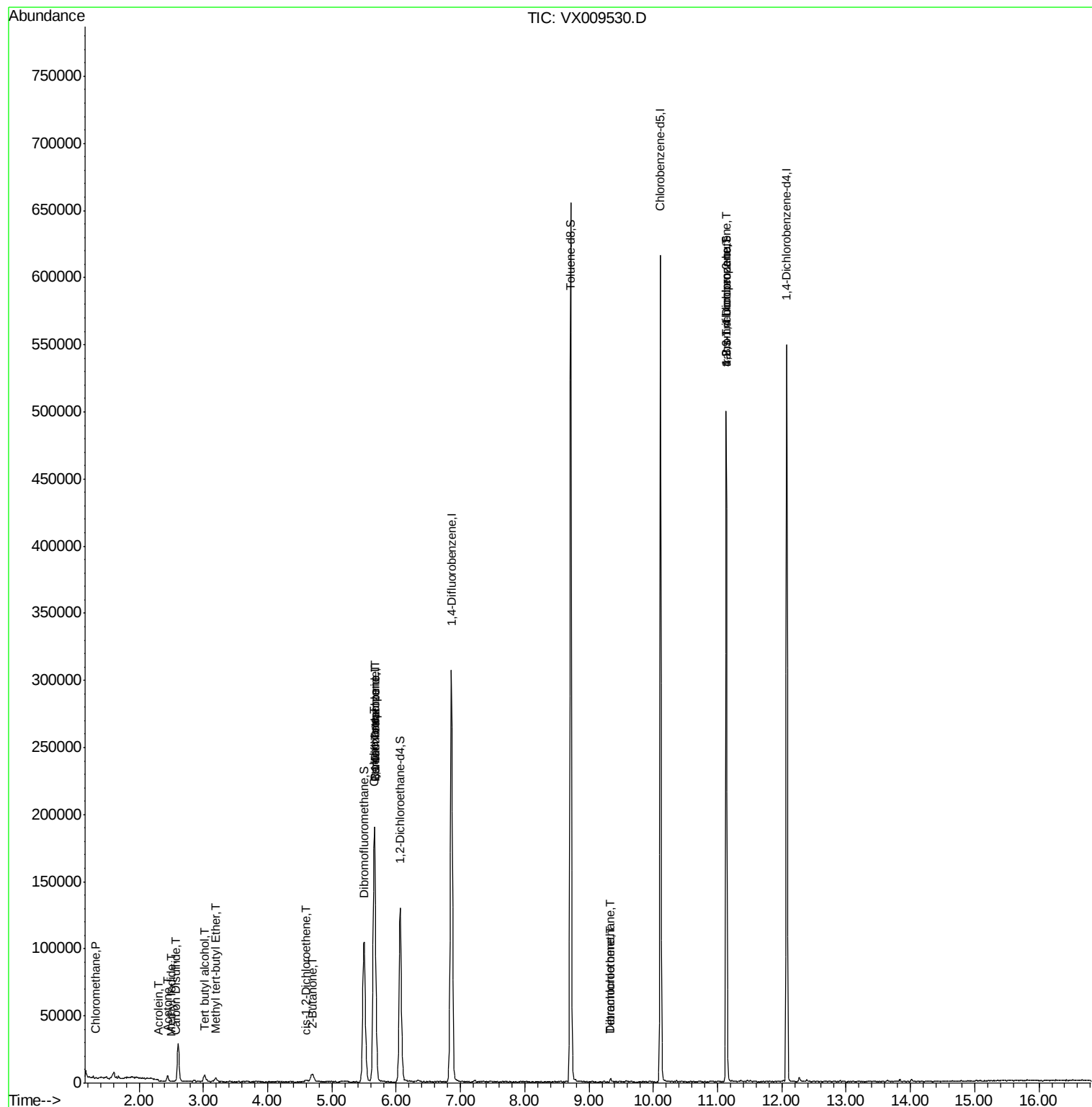
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	502	0.213	ug/l #	69
10) Methyl Iodide	2.51	142	393	4.769	ug/l #	83
11) Tert butyl alcohol	3.01	59	4107	6.933	ug/l #	85
13) Acrolein	2.30	56	154	0.287	ug/l #	1
16) Acetone	2.44	43	5023	3.655	ug/l	92
17) Carbon Disulfide	2.57	76	1183	0.240	ug/l #	94
19) Methyl tert-butyl Ether	3.20	73	2537	0.371	ug/l #	58
25) 2-Butanone	4.70	43	1027	0.481	ug/l #	53
27) cis-1,2-Dichloroethene	4.60	96	828	0.364	ug/l	89
28) Bromochloromethane	5.00	49	112	Below Cal	#	20
31) Cyclohexane	5.65	56	4200	1.110	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14280	5.154	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17078	6.784	ug/l #	17
60) Dibromochloromethane	9.33	129	452	0.218	ug/l #	11
64) Tetrachloroethene	9.34	164	527	0.288	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	64460	24.185	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64460	61.882	ug/l #	10

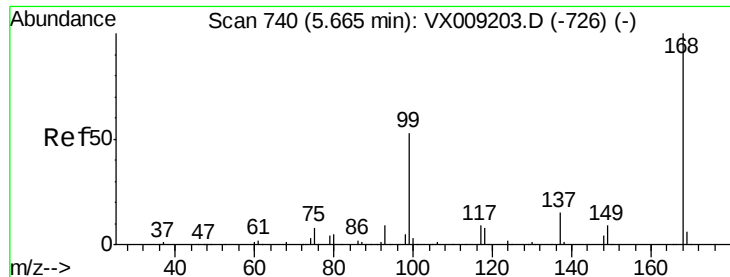
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampled :
MW-3D

Quant Time: May 12 02:01:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
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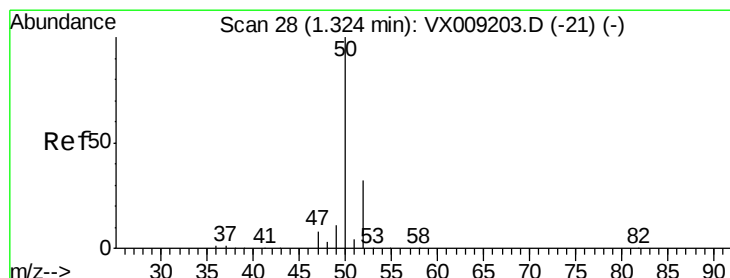
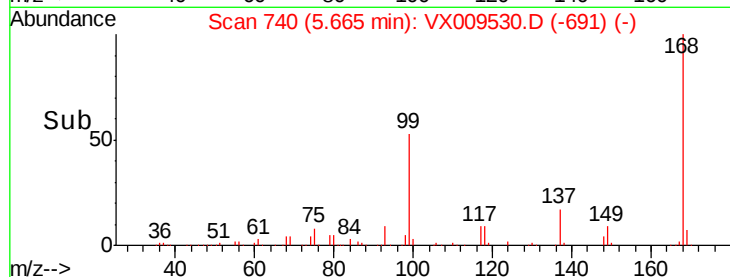
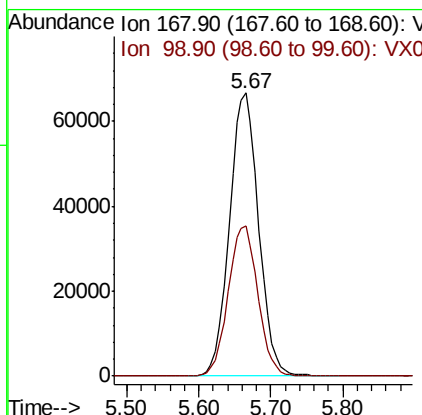
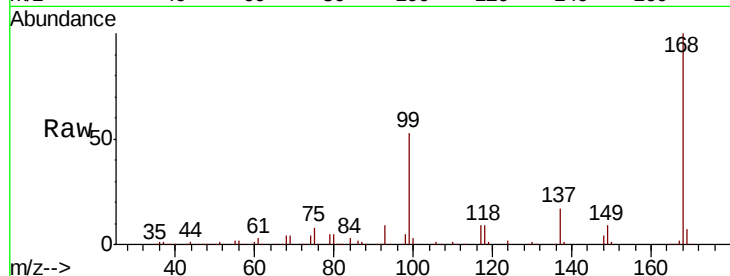




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX009530.D
Acq: 11 May 2019 17:04

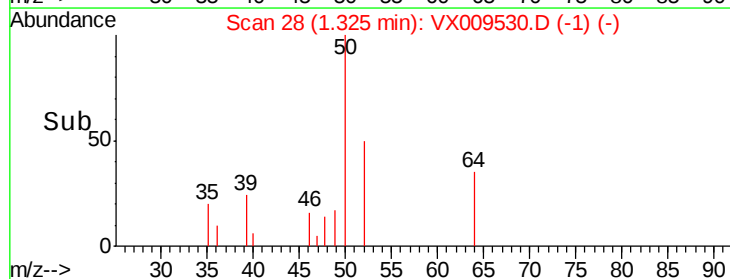
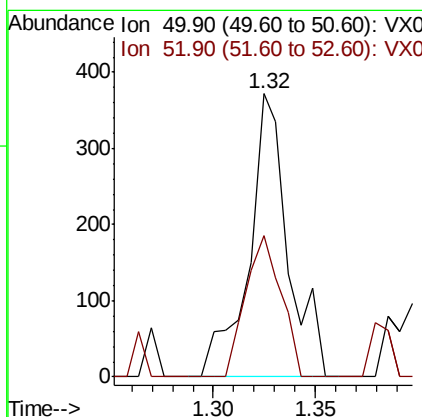
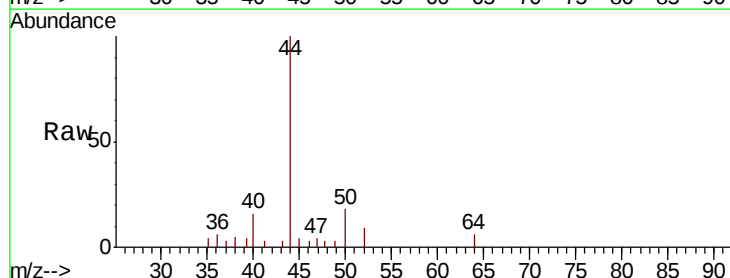
Instrument :
MSVOA_X
ClientSampled :
MW-3D

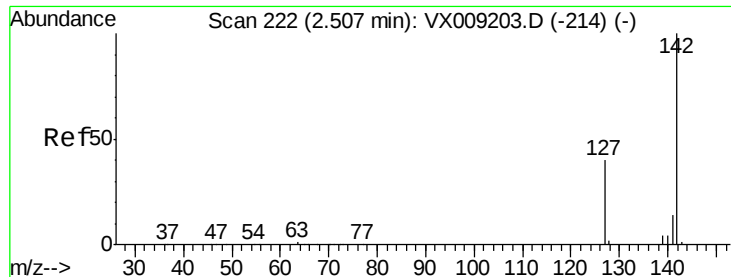
Tot Ion:168 Resp: 187466
Ion Ratio Lower Upper
168 100
99 53.1 42.3 63.5



#3
Chloromethane
Concen: 0.213 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX009530.D
Acq: 11 May 2019 17:04

Tgt Ion: 50 Resp: 502
Ion Ratio Lower Upper
50 100
52 50.0 25.9 38.9#

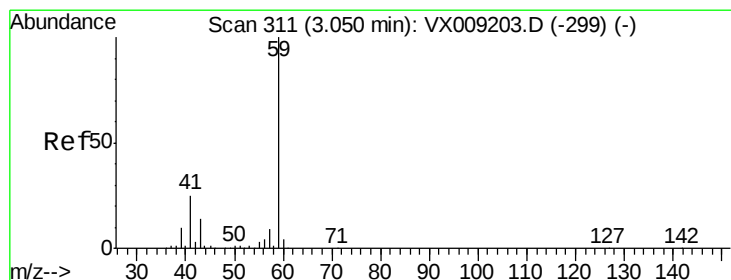
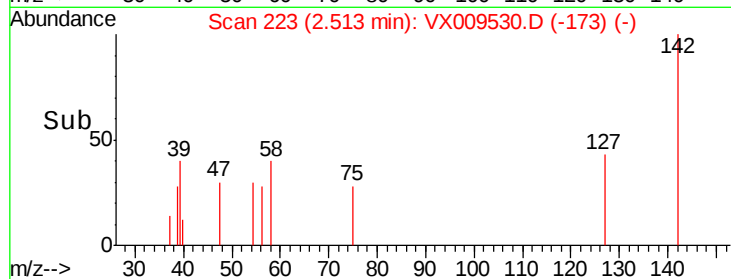
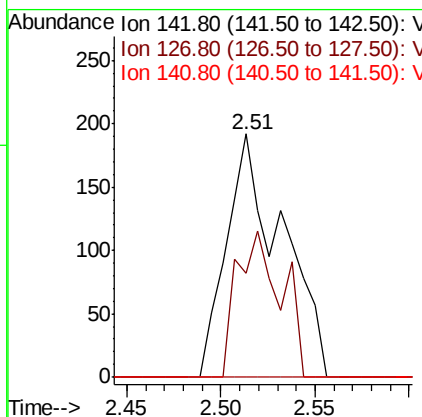
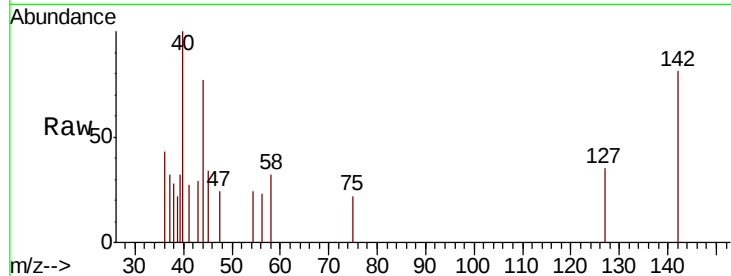




#10
Methvl Iodide
Concen: 4.769 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009530.D
Acq: 11 May 2019 17:04

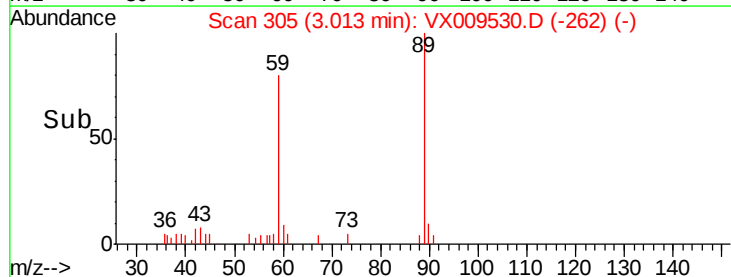
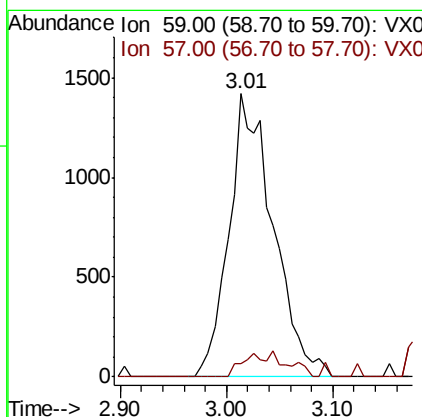
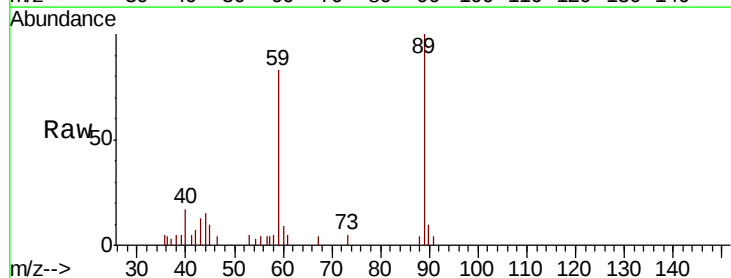
Instrument :
MSVOA_X
ClientSampled :
MW-3D

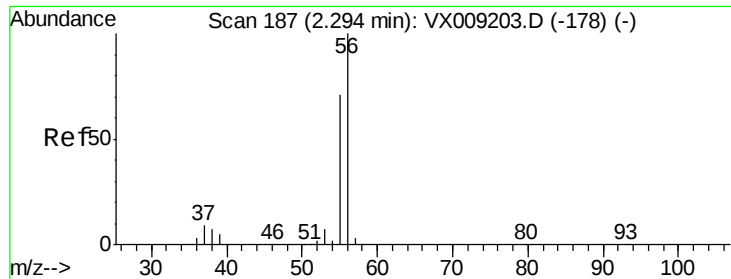
Tot Ion:142 Resp: 393
Ion Ratio Lower Upper
142 100
127 47.6 32.7 49.1
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 6.933 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009530.D
Acq: 11 May 2019 17:04

Tgt Ion: 59 Resp: 4107
Ion Ratio Lower Upper
59 100
57 4.4 8.2 12.2#





#13

Acrolein

Concen: 0.287 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX009530.D

Acq: 11 May 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

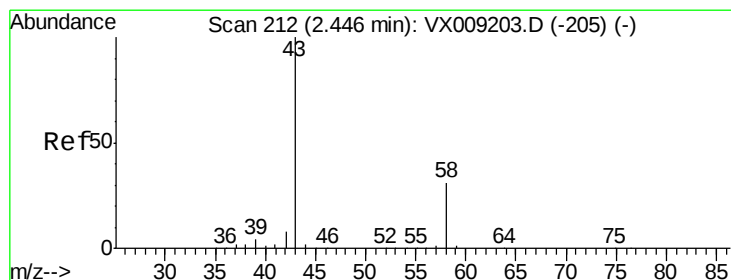
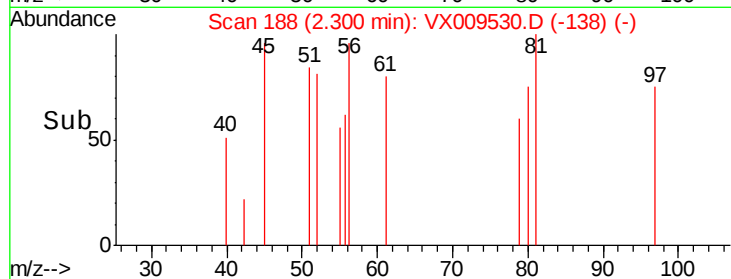
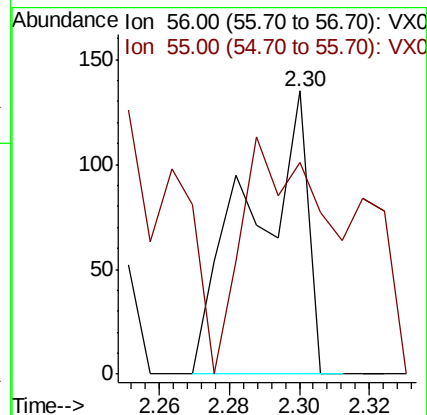
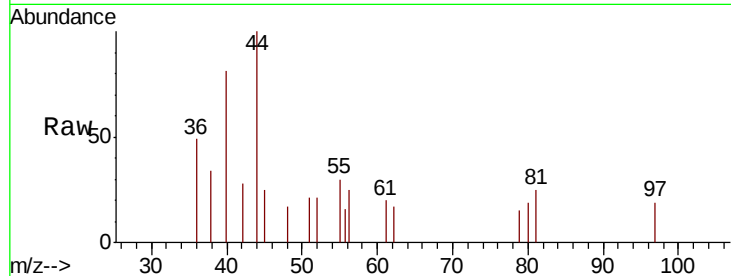
MW-3D

Tot Ion: 56 Resp: 154

Ion Ratio Lower Upper

56 100

55 155.8 56.6 85.0#



#16

Acetone

Concen: 3.655 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009530.D

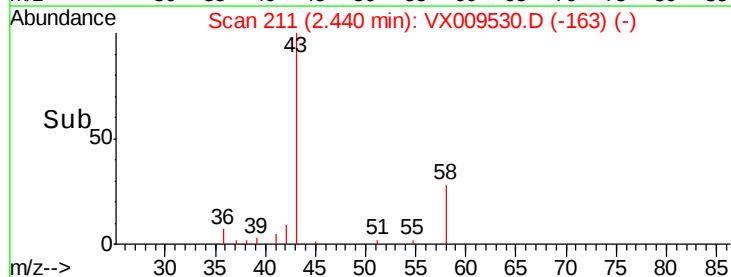
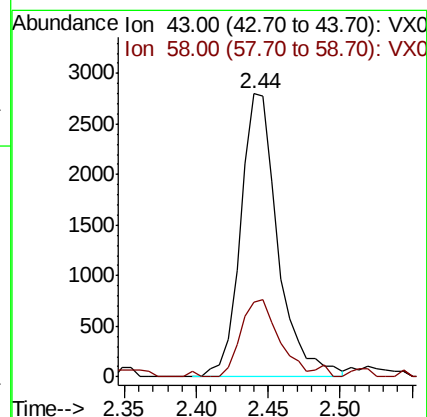
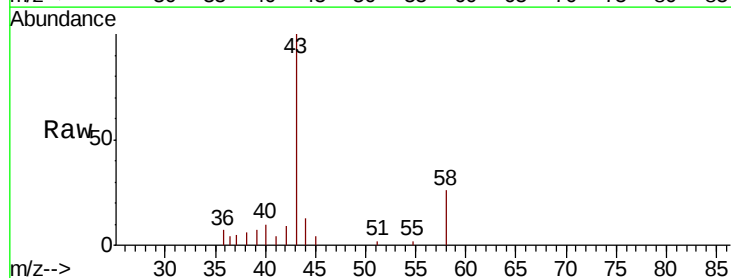
Acq: 11 May 2019 17:04

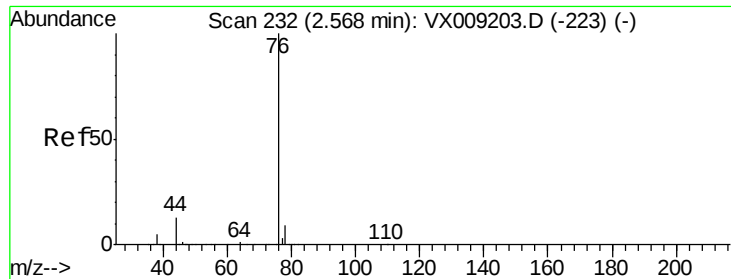
Tgt Ion: 43 Resp: 5023

Ion Ratio Lower Upper

43 100

58 26.4 24.9 37.3





#17

Carbon Disulfide

Concen: 0.240 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009530.D

Acq: 11 May 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

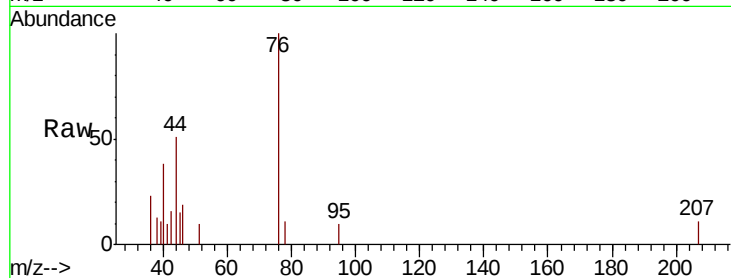
MW-3D

Tot Ion: 76 Resp: 1183

Ion Ratio Lower Upper

76 100

78 11.5 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

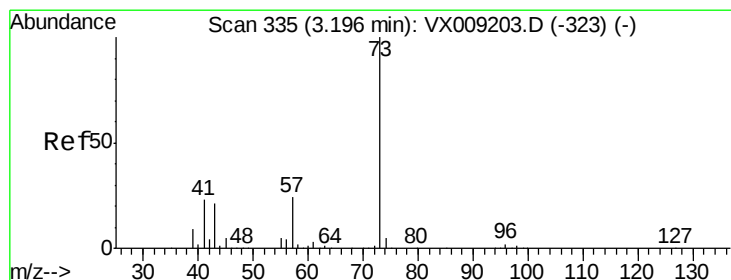
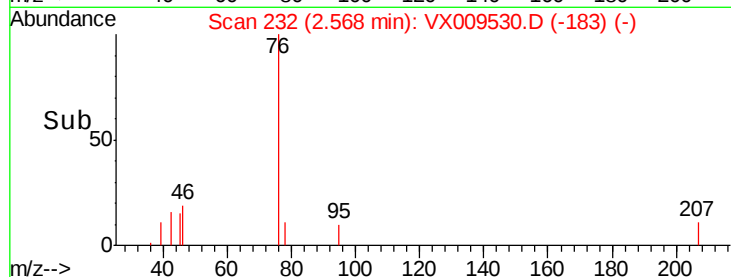
400

200

0

2.55 2.60

Time-->



#19

Methyl tert-butyl Ether

Concen: 0.371 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX009530.D

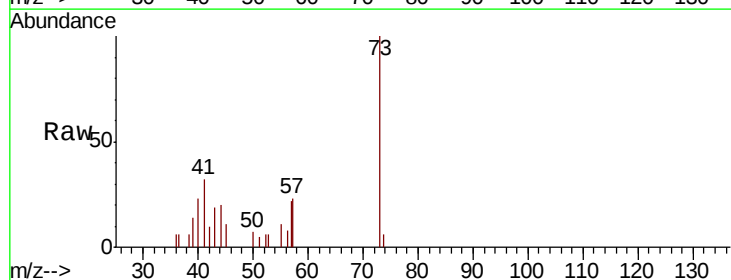
Acq: 11 May 2019 17:04

Tgt Ion: 73 Resp: 2537

Ion Ratio Lower Upper

73 100

57 44.7 19.3 28.9#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.20

1200

1000

800

600

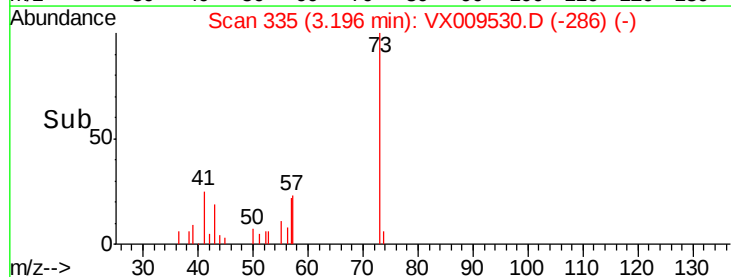
400

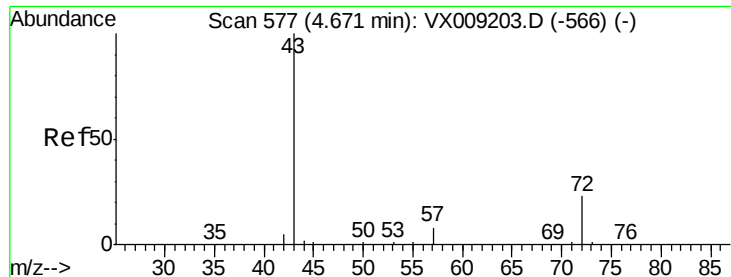
200

0

3.10 3.15 3.20 3.25

Time-->





#25

2-Butanone

Concen: 0.481 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX009530.D

Acq: 11 May 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

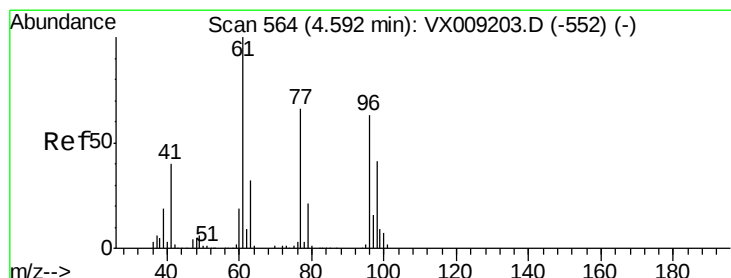
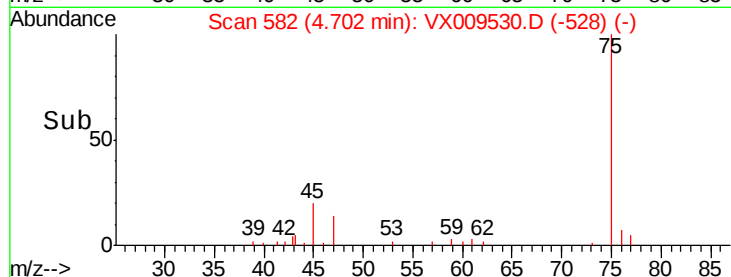
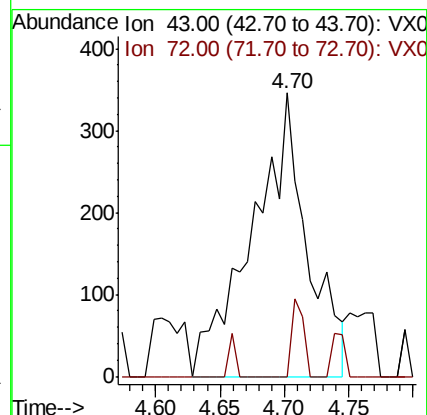
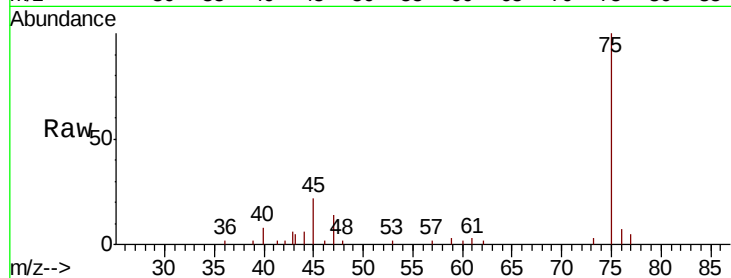
MW-3D

Tot Ion: 43 Resp: 1027

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#



#27

cis-1,2-Dichloroethene

Concen: 0.364 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX009530.D

Acq: 11 May 2019 17:04

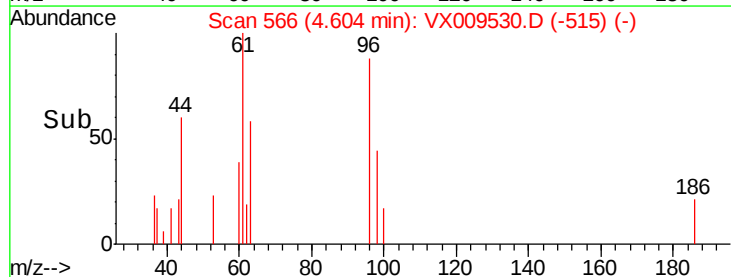
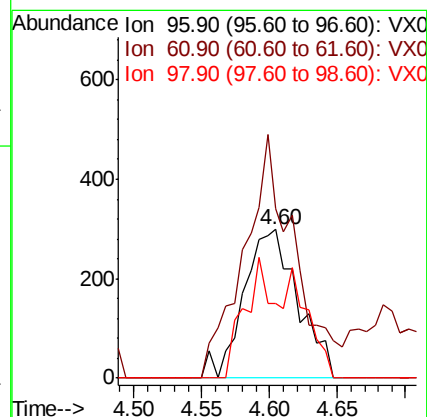
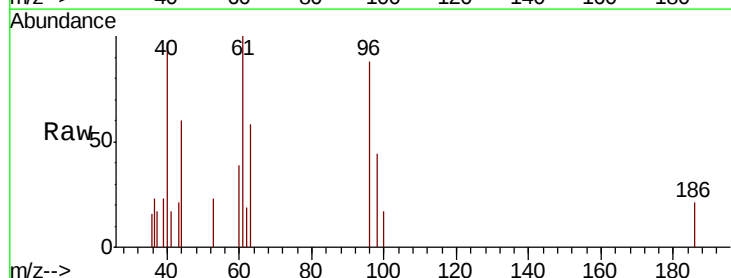
Tgt Ion: 96 Resp: 828

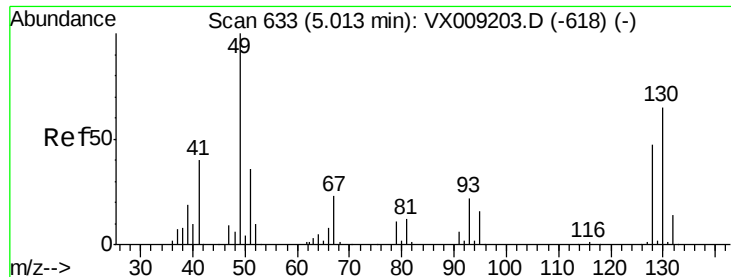
Ion Ratio Lower Upper

96 100

61 153.7 0.0 324.0

98 47.3 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

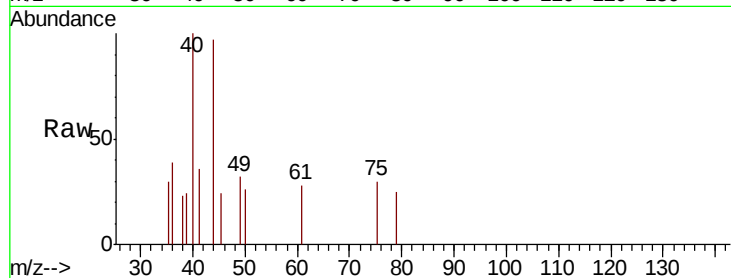
Delta R.T. -0.01 min

Lab File: VX009530.D

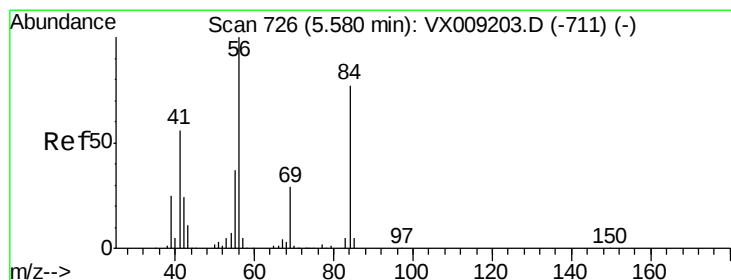
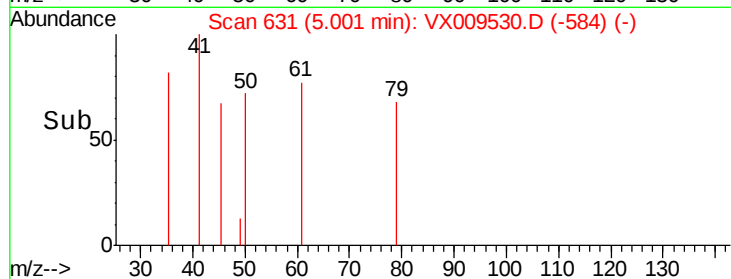
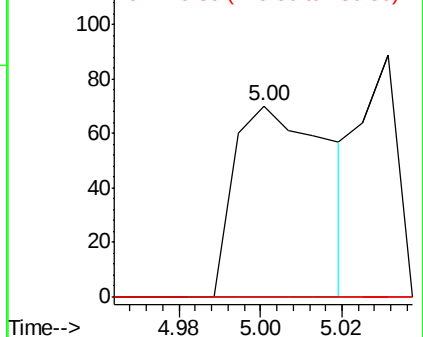
Acq: 11 May 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :
MW-3D

Tot Ion: 49 Resp: 112
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: 1.110 ug/l

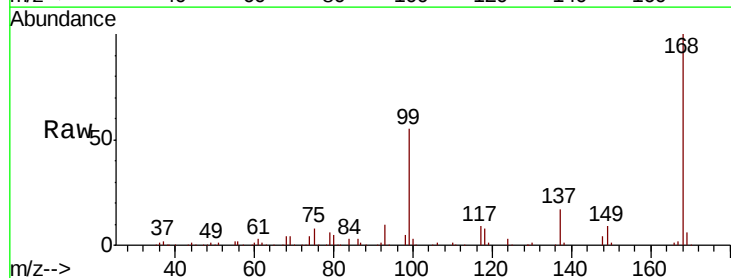
RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

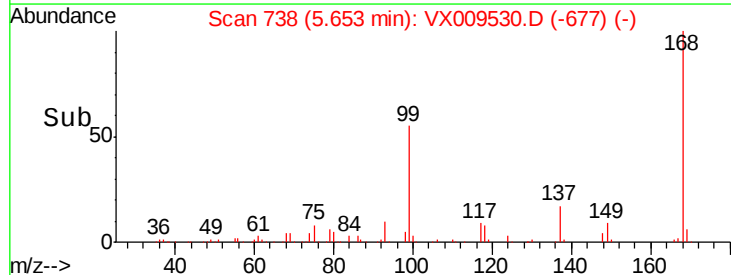
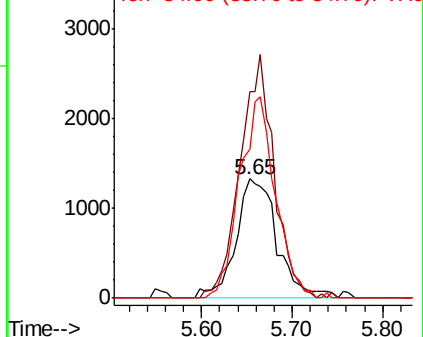
Lab File: VX009530.D

Acq: 11 May 2019 17:04

Tgt Ion: 56 Resp: 4200
Ion Ratio Lower Upper
56 100
69 172.9 23.4 35.0#
84 125.1 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: 47.173 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009530.D

Acq: 11 May 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

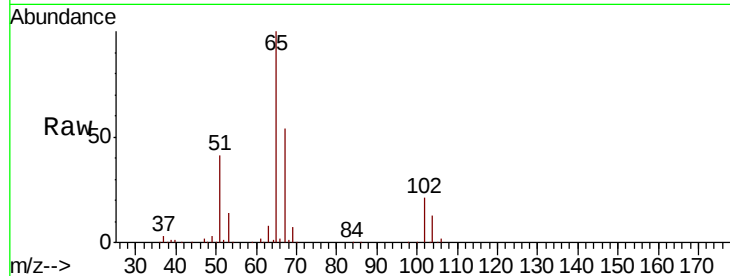
MW-3D

Tot Ion: 65 Resp: 120721

Ion Ratio Lower Upper

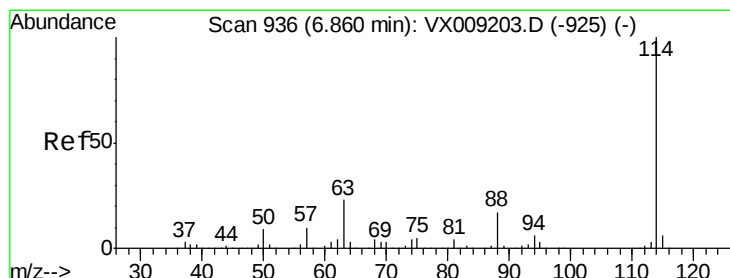
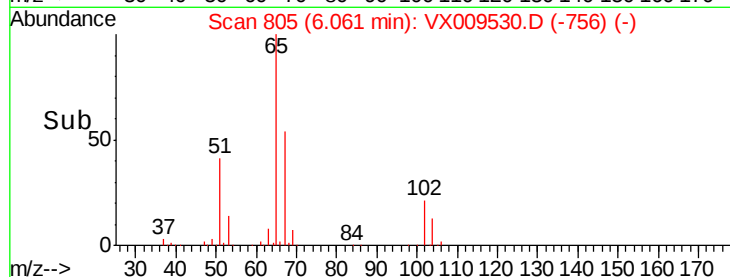
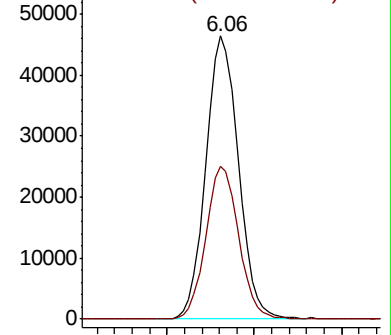
65 100

67 54.4 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: VX009530.D

Acq: 11 May 2019 17:04

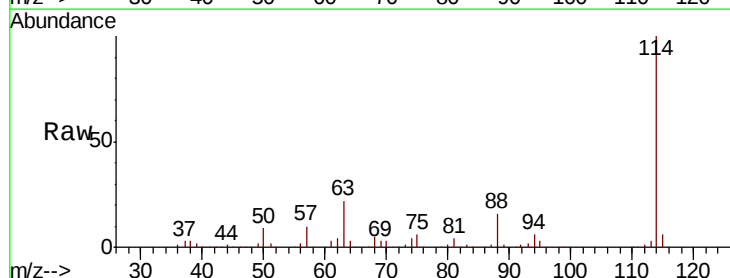
Tgt Ion: 114 Resp: 298131

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.6

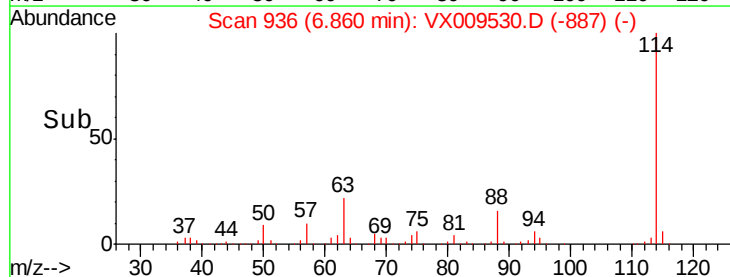
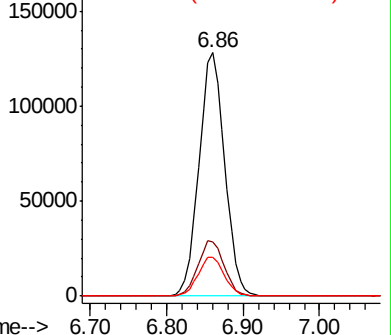
88 16.0 0.0 33.2

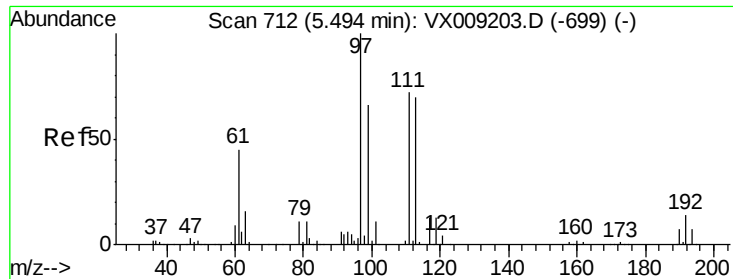


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.841 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009530.D

Acq: 11 May 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

MW-3D

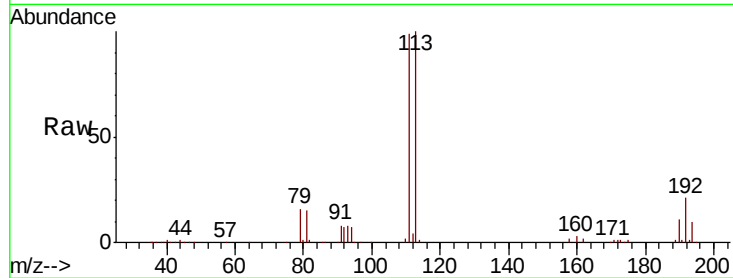
Tot Ion:113 Resp: 89663

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

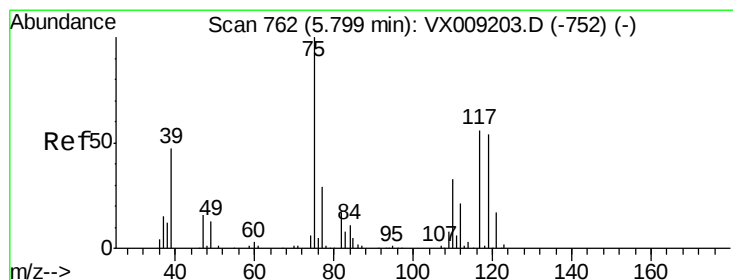
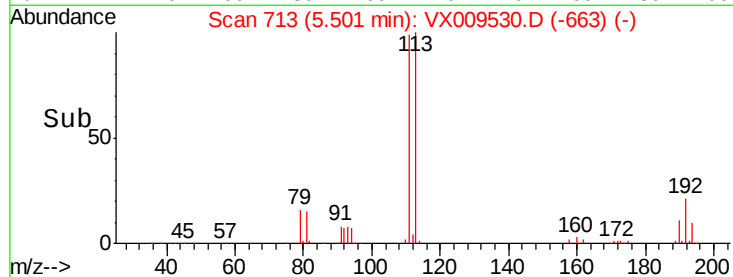
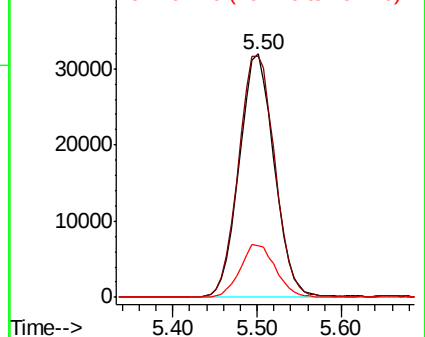
192 21.8 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.154 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009530.D

Acq: 11 May 2019 17:04

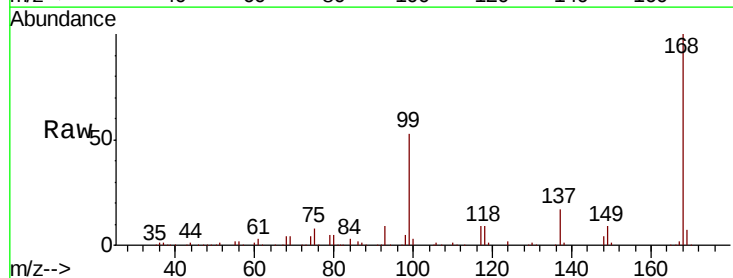
Tgt Ion: 75 Resp: 14280

Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.6#

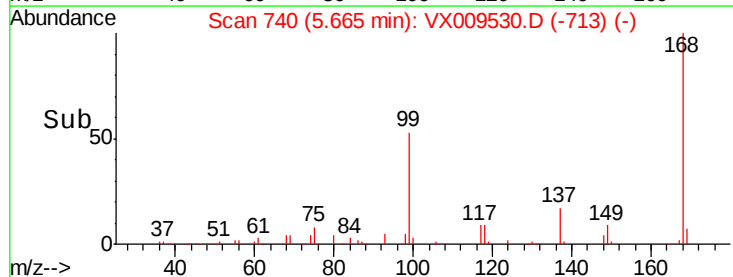
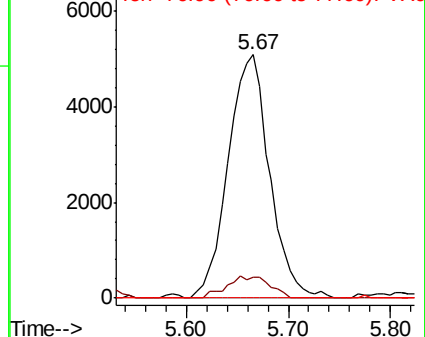
77 0.0 24.8 37.2#

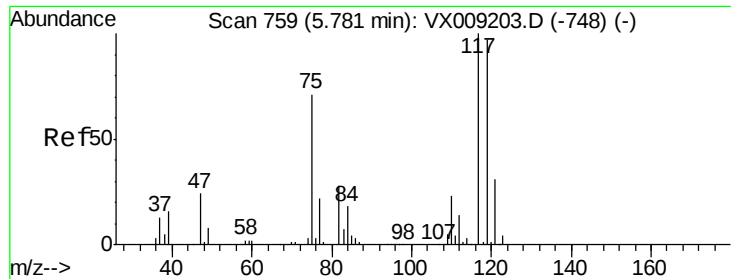


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

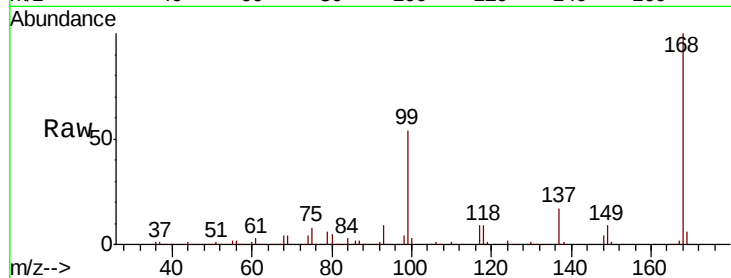




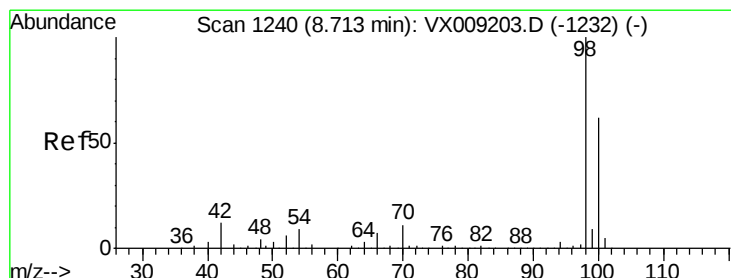
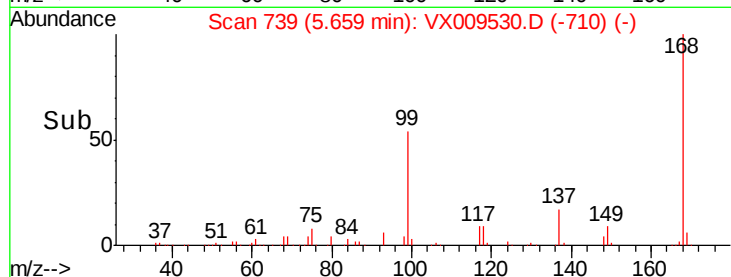
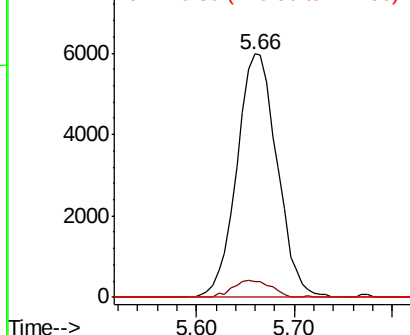
#38
Carbon Tetrachloride
Concen: 6.784 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009530.D
Acq: 11 May 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :
MW-3D

Tot Ion:117 Resp: 17078
Ion Ratio Lower Upper
117 100
119 6.5 77.5 116.3#
121 0.0 24.7 37.1#

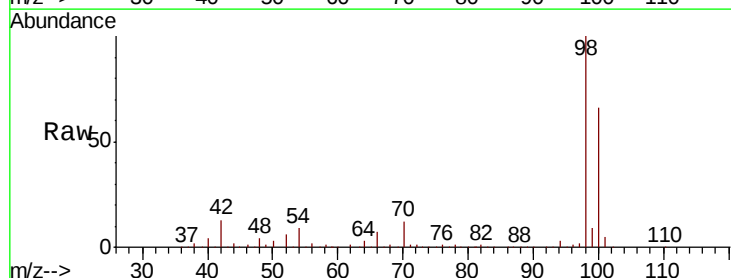


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

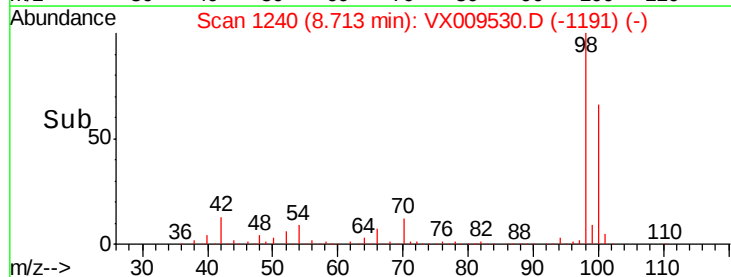
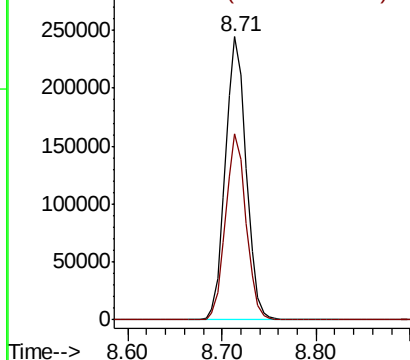


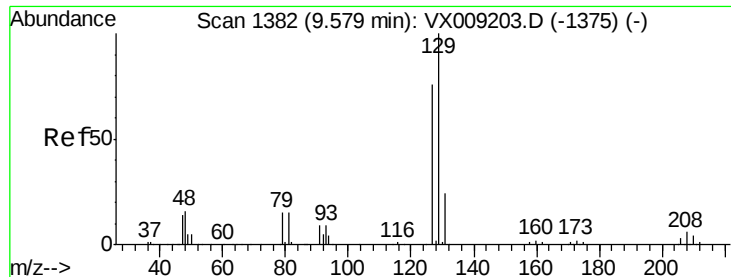
#50
Toluene-d8
Concen: 49.618 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009530.D
Acq: 11 May 2019 17:04

Tgt Ion: 98 Resp: 375437
Ion Ratio Lower Upper
98 100
100 64.6 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: 0.218 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX009530.D

Acq: 11 May 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

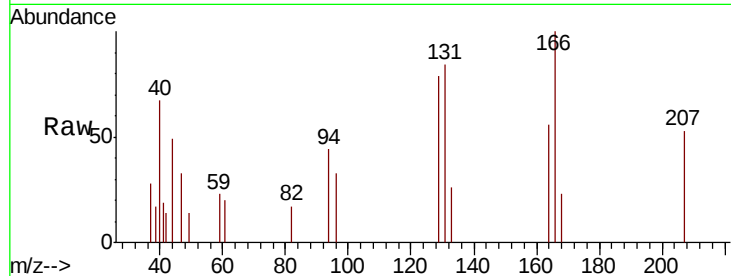
MW-3D

Tot Ion:129 Resp: 452

Ion Ratio Lower Upper

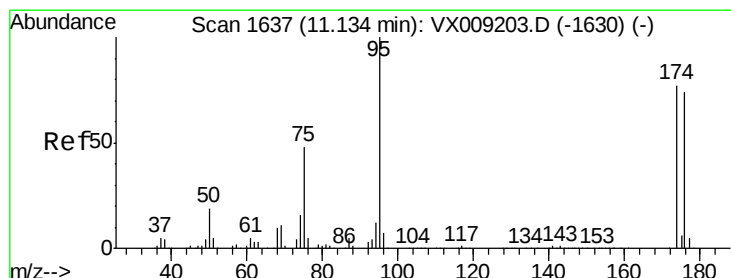
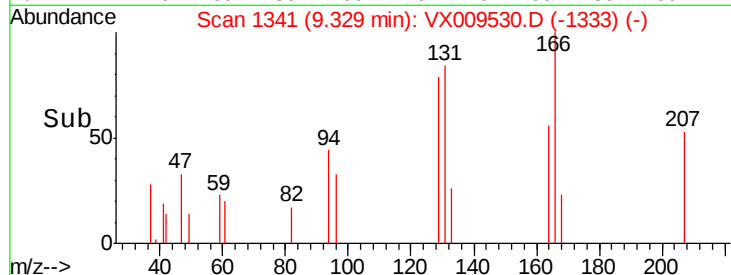
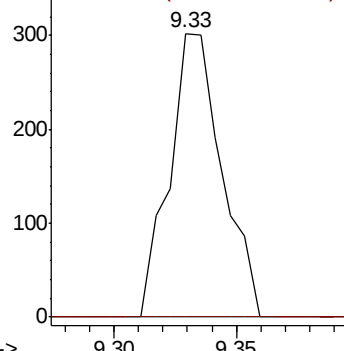
129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.254 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009530.D

Acq: 11 May 2019 17:04

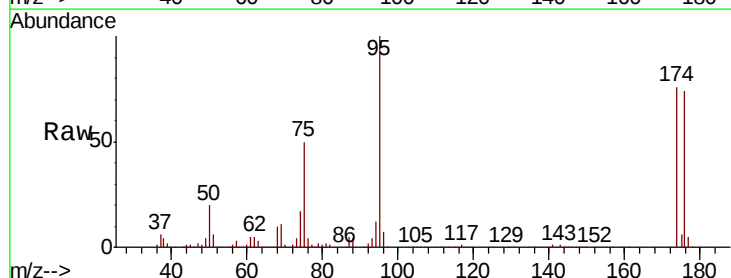
Tgt Ion: 95 Resp: 127170

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

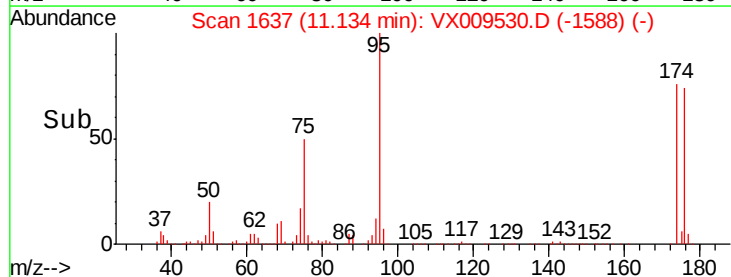
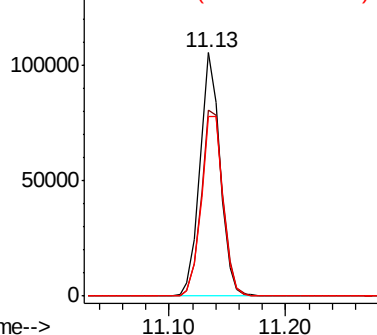
176 79.7 0.0 159.2

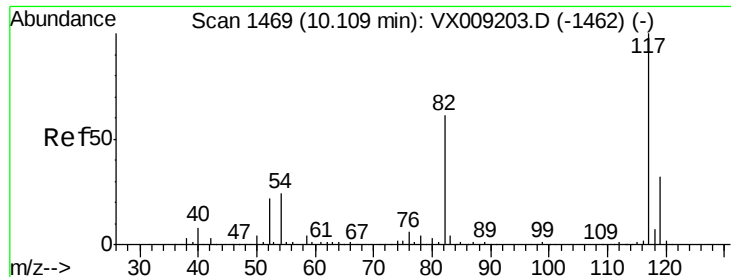


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

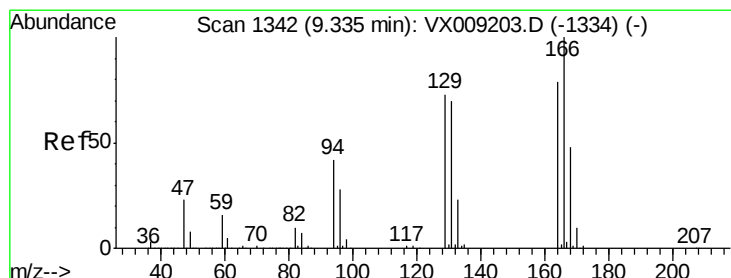
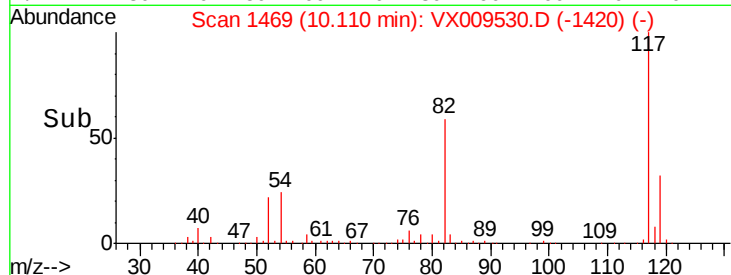
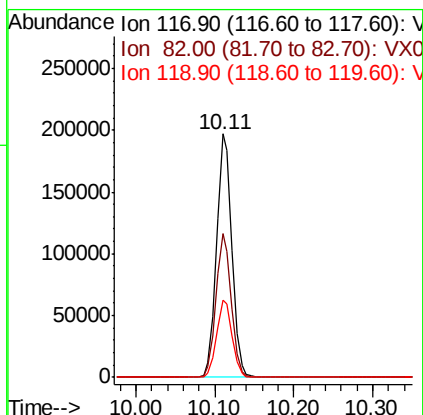
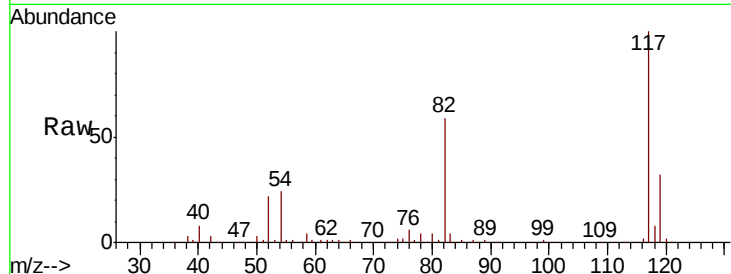




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009530.D
Acq: 11 May 2019 17:04

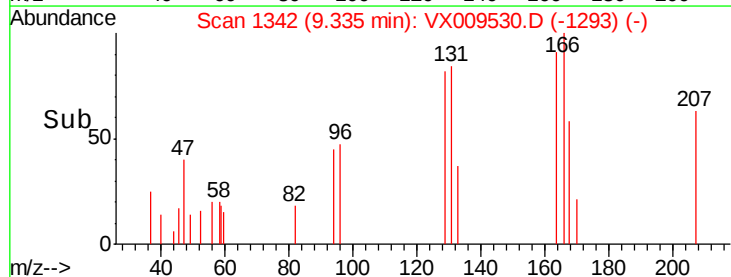
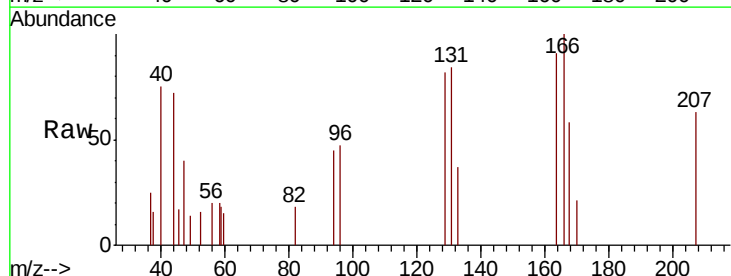
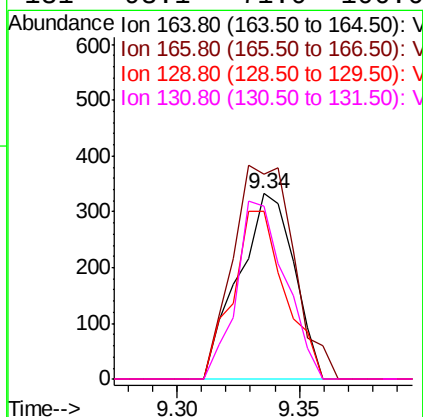
Instrument :
MSVOA_X
ClientSampled :
MW-3D

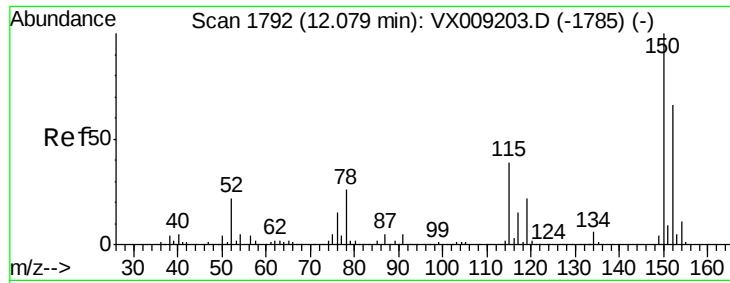
Tot Ion:117 Resp: 266307
Ion Ratio Lower Upper
117 100
82 59.2 48.8 73.2
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 0.288 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009530.D
Acq: 11 May 2019 17:04

Tgt Ion:164 Resp: 527
Ion Ratio Lower Upper
164 100
166 110.2 101.2 151.8
129 90.4 74.3 111.5
131 93.1 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: VX009530.D

Acq: 11 May 2019 17:04

Instrument :

MSVOA_X

ClientSampled :

MW-3D

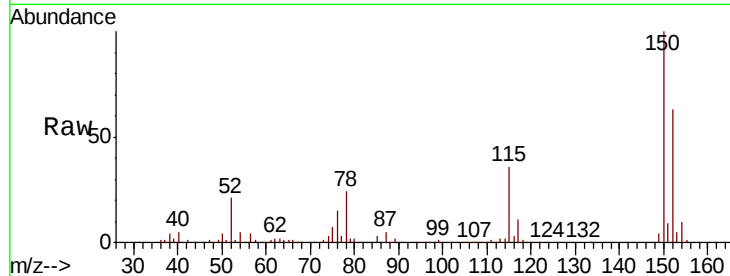
Tot Ion:152 Resp: 114899

Ion Ratio Lower Upper

152 100

115 58.8 41.2 123.6

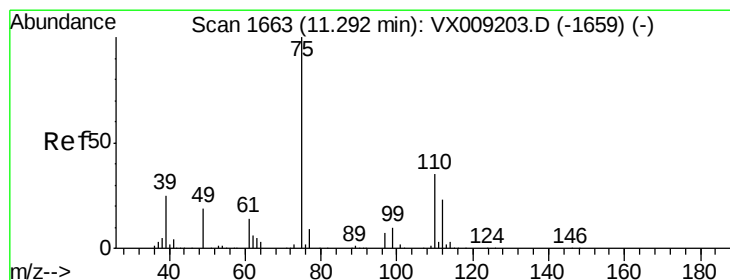
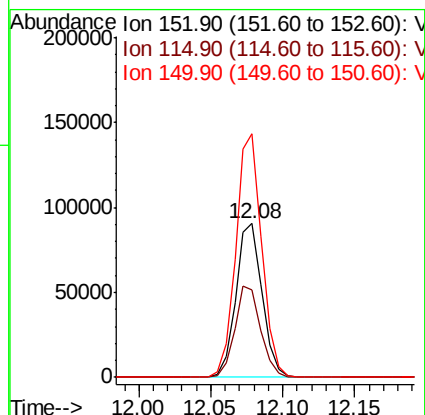
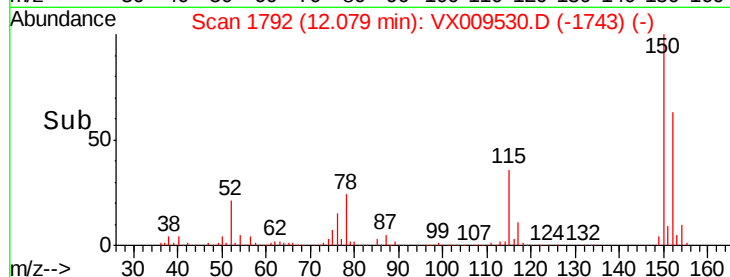
150 156.4 0.0 346.4



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: 24.185 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009530.D

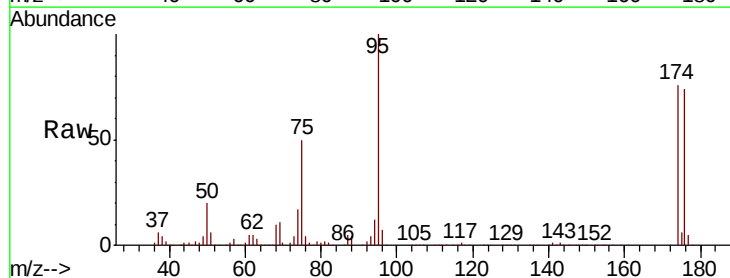
Acq: 11 May 2019 17:04

Tgt Ion: 75 Resp: 64460

Ion Ratio Lower Upper

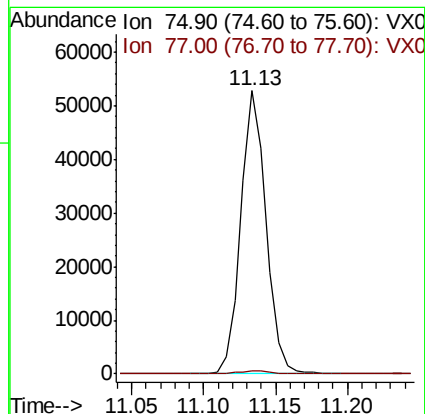
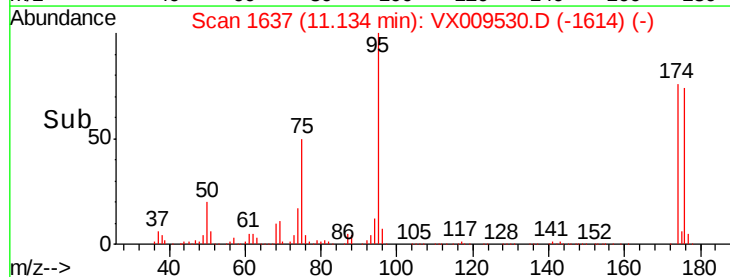
75 100

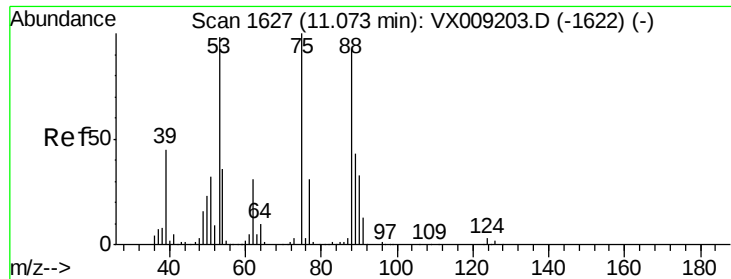
77 1.2 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.882 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009530.D

Acq: 11 May 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

MW-3D

Tot Ion: 75 Resp: 64460

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.1 34.7 52.1#

