

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032819\
 Data File : VX008528.D
 Acq On : 28 Mar 2019 18:33
 Operator : JC/SP
 Sample : K2121-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: Mar 29 01:31:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	228346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387707	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	329038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136817	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	160827	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	
35) Dibromofluoromethane	5.50	113	118923	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
50) Toluene-d8	8.71	98	483638	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
62) 4-Bromofluorobenzene	11.13	95	161158	43.02	ug/l	0.00
Spiked Amount			Recovery	=	86.04%	

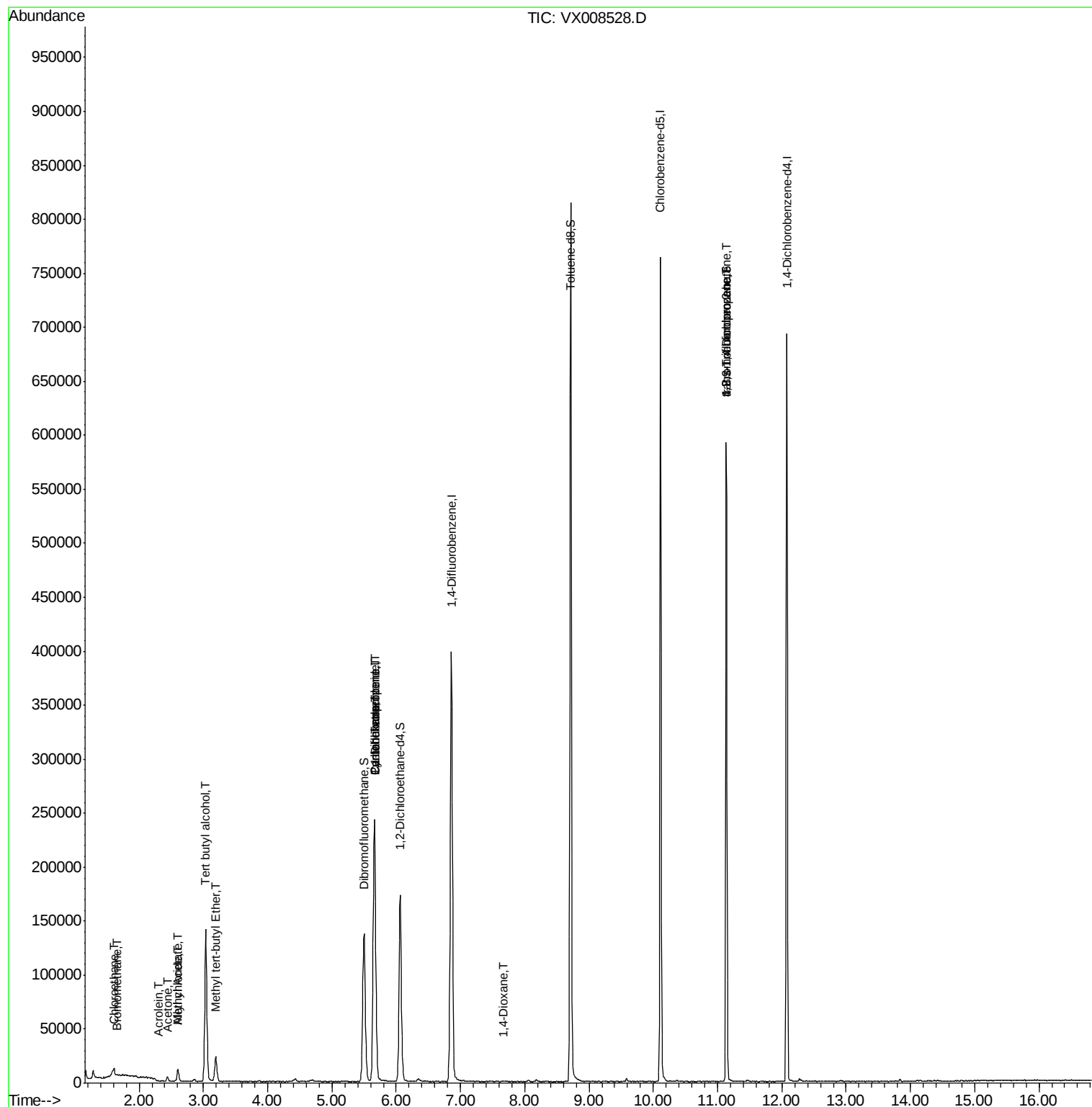
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	444	Below Cal		94
5) Bromomethane	1.65	94	301	1.955	ug/l #	60
6) Chloroethane	1.60	64	8996	4.041	ug/l #	51
11) Tert butyl alcohol	3.04	59	162746	212.190	ug/l	99
13) Acrolein	2.29	56	181	0.325	ug/l	85
14) Allyl chloride	2.60	41	1532	0.262	ug/l #	81
16) Acetone	2.44	43	4809	2.658	ug/l	99
17) Carbon Disulfide	2.57	76	1552	Below Cal	#	93
18) Methyl Acetate	2.60	43	2811	0.647	ug/l #	55
19) Methyl tert-butyl Ether	3.19	73	24375	2.546	ug/l	97
20) Methylene Chloride	2.87	84	825	Below Cal	#	82
21) trans-1,2-Dichloroethene	3.18	96	27	Below Cal	#	1
31) Cyclohexane	5.67	56	5578	1.005	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19367	4.685	ug/l #	51
38) Carbon Tetrachloride	5.67	117	22189	6.432	ug/l #	16
49) 1,4-Dioxane	7.67	88	19	0.223	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	83209	20.457	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	83209	65.522	ug/l #	9

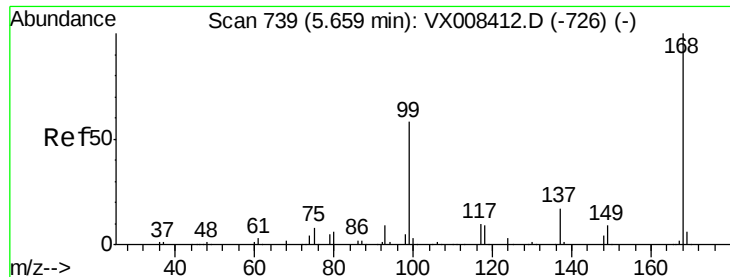
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032819\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008528.D

Acq: 28 Mar 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

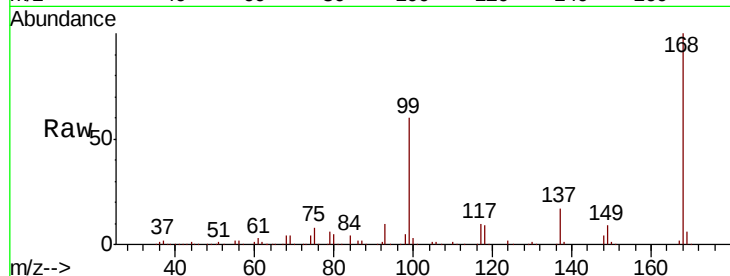
MW-6

Tot Ion:168 Resp: 228346

Ion Ratio Lower Upper

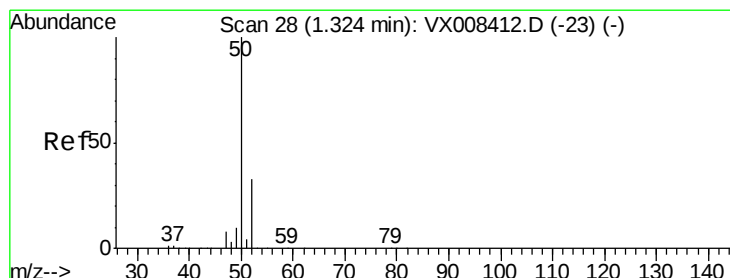
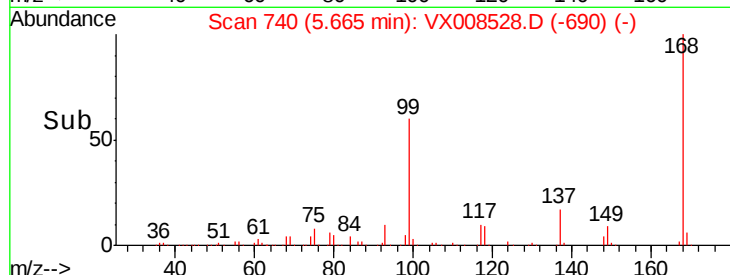
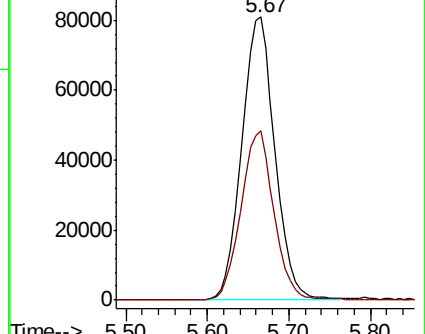
168 100

99 59.8 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008528.D

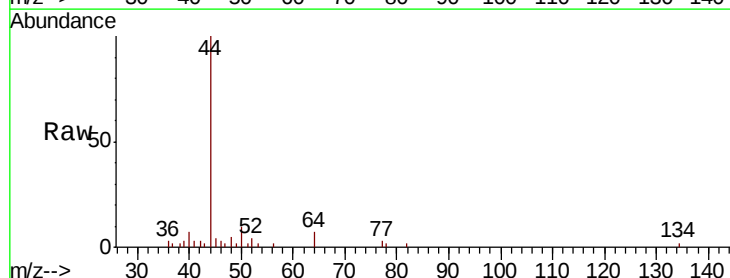
Acq: 28 Mar 2019 18:33

Tgt Ion: 50 Resp: 444

Ion Ratio Lower Upper

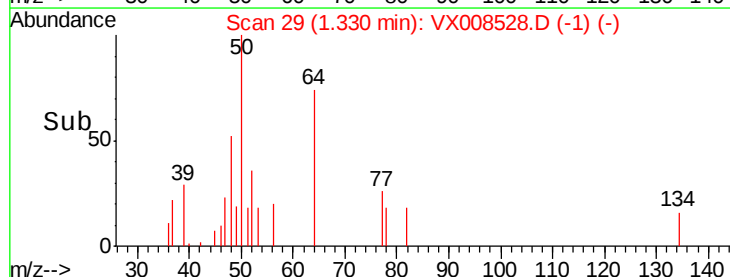
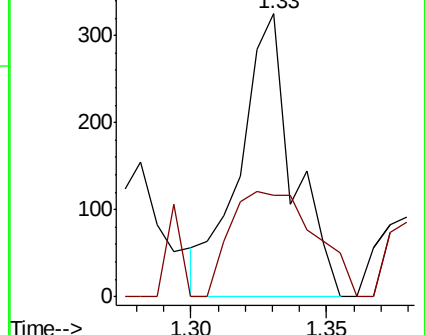
50 100

52 36.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.955 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX008528.D

Acq: 28 Mar 2019 18:33

Instrument :

MSVOA_X

ClientSampled :

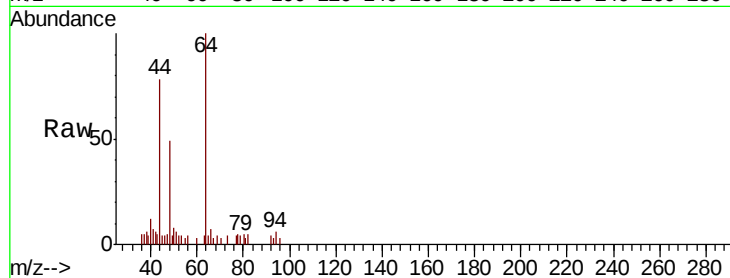
MW-6

Tot Ion: 94 Resp: 301

Ion Ratio Lower Upper

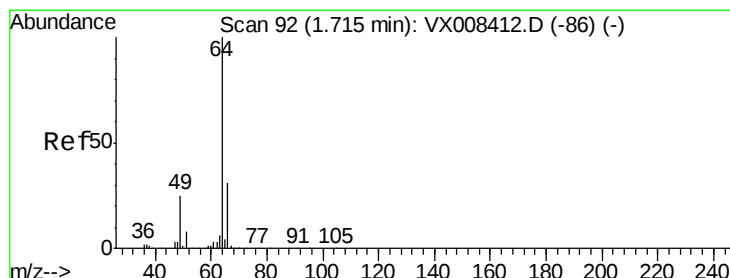
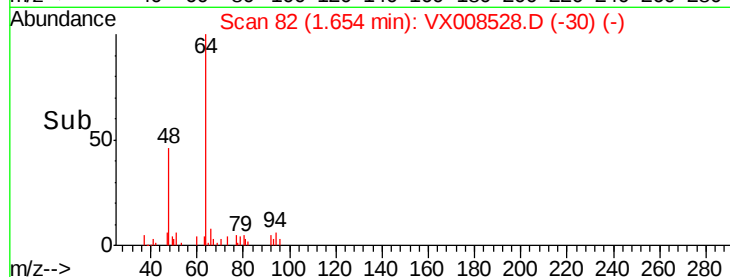
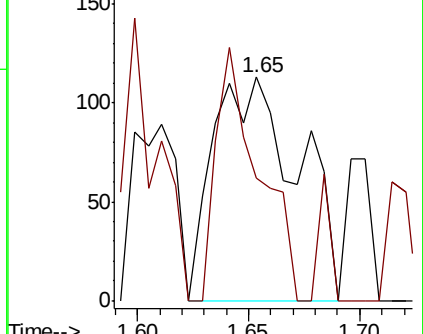
94 100

96 54.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 4.041 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.12 min

Lab File: VX008528.D

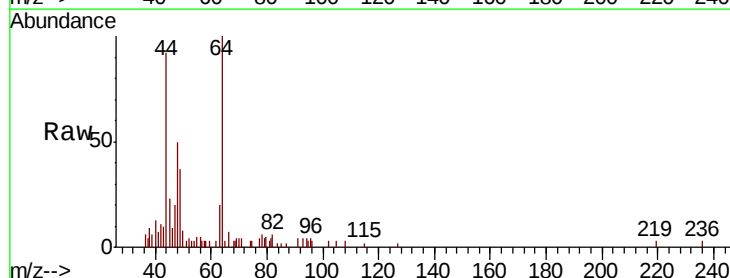
Acq: 28 Mar 2019 18:33

Tgt Ion: 64 Resp: 8996

Ion Ratio Lower Upper

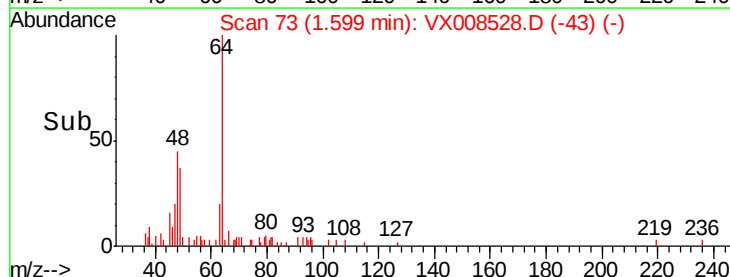
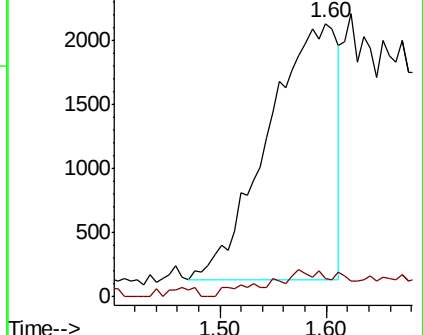
64 100

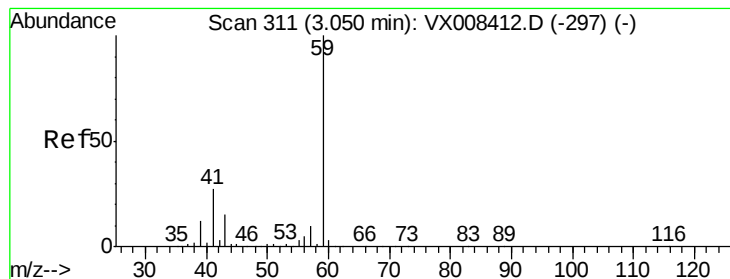
66 4.3 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



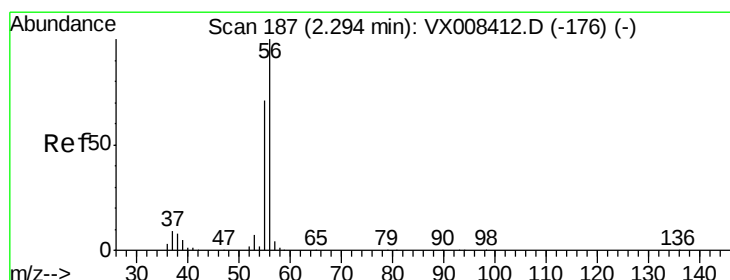
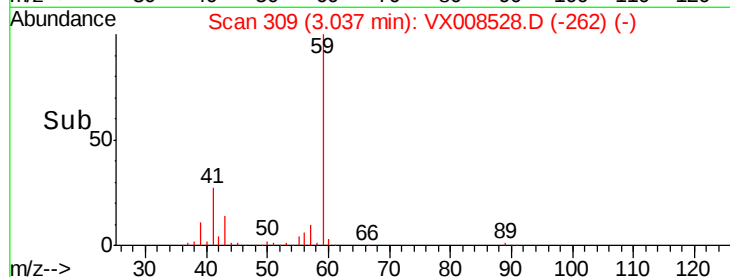
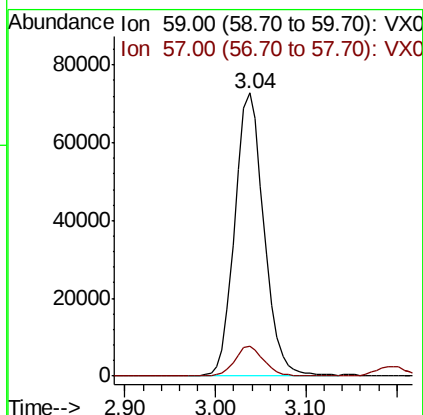
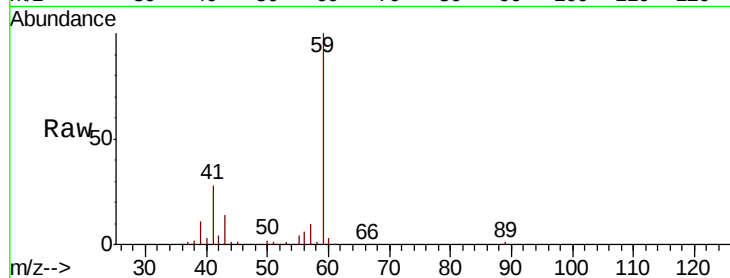


#11

Tert butyl alcohol
 Concen: 212.190 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX008528.D
 Acq: 28 Mar 2019 18:33

Instrument :
 MSVOA_X
 ClientSampled :
 MW-6

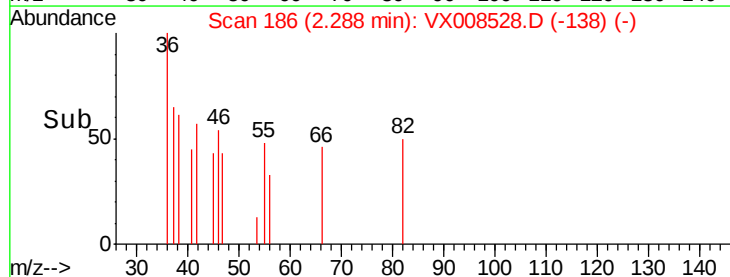
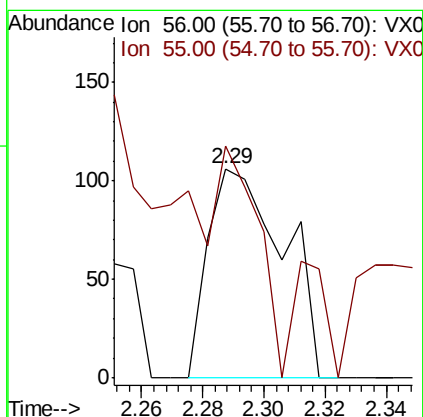
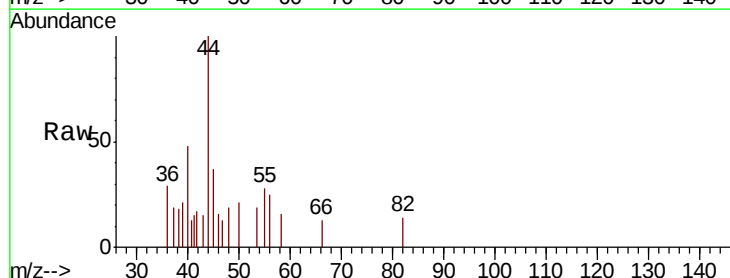
Tot Ion: 59 Resp: 162746
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.4

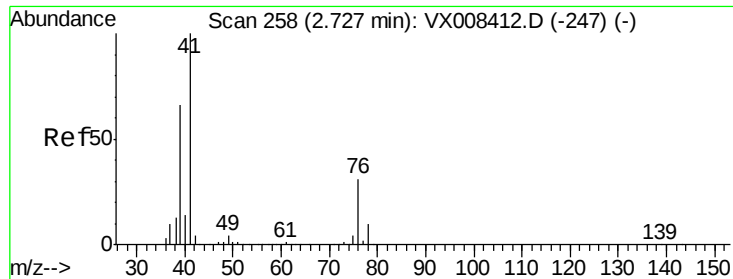


#13

Acrolein
 Concen: 0.325 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX008528.D
 Acq: 28 Mar 2019 18:33

Tgt Ion: 56 Resp: 181
 Ion Ratio Lower Upper
 56 100
 55 58.6 56.5 84.7

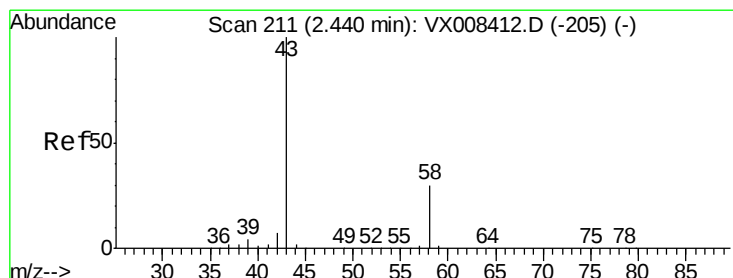
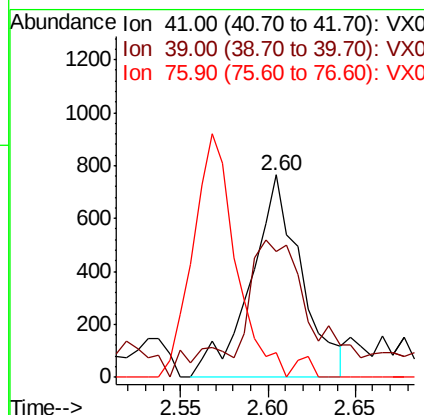
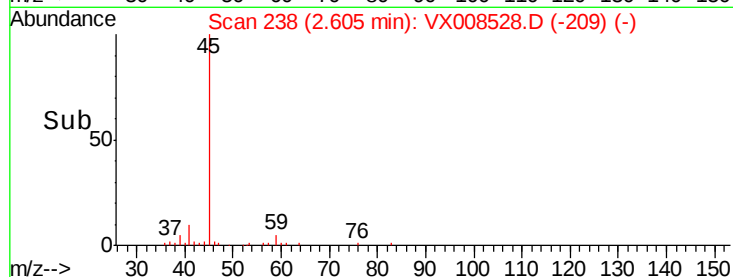
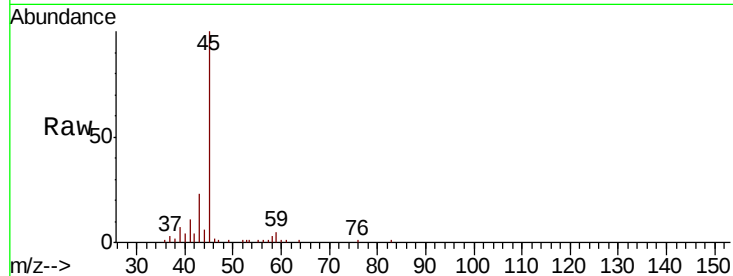




#14
Allv1 chloride
Concen: 0.262 ug/l
RT: 2.60 min Scan# 238
Delta R.T. -0.12 min
Lab File: VX008528.D
Acq: 28 Mar 2019 18:33

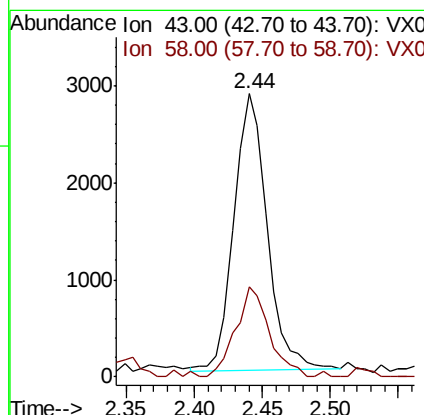
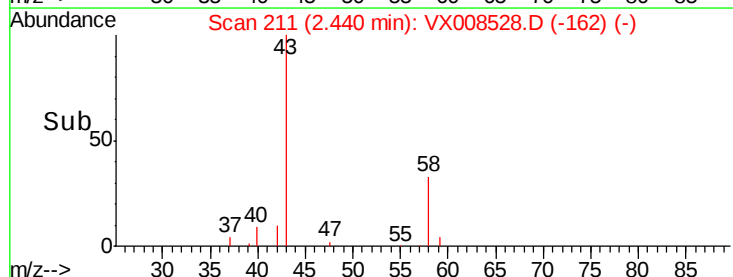
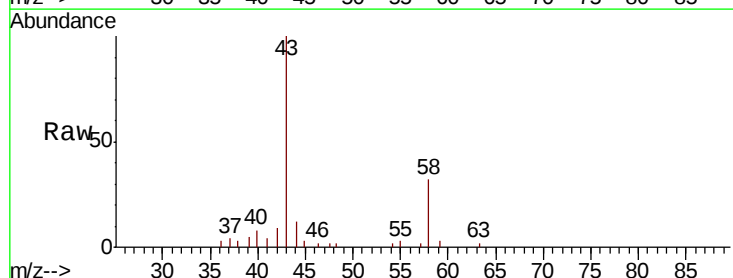
Instrument :
MSVOA_X
ClientSampled :
MW-6

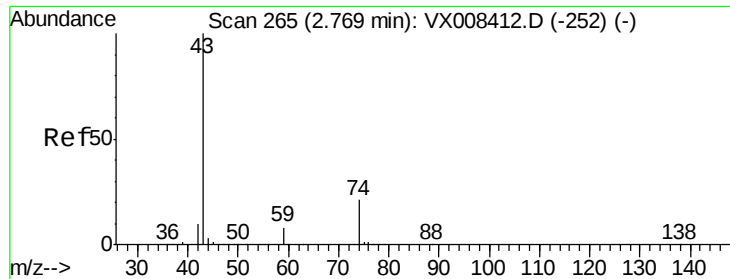
Tot Ion: 41 Resp: 1532
Ion Ratio Lower Upper
41 100
39 59.7 49.6 74.4
76 0.0 22.6 34.0#



#16
Acetone
Concen: 2.658 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX008528.D
Acq: 28 Mar 2019 18:33

Tgt Ion: 43 Resp: 4809
Ion Ratio Lower Upper
43 100
58 30.6 24.2 36.2

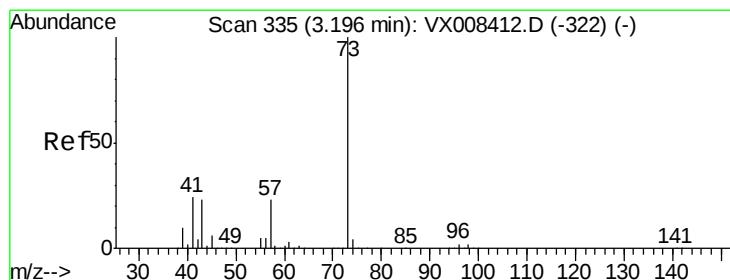
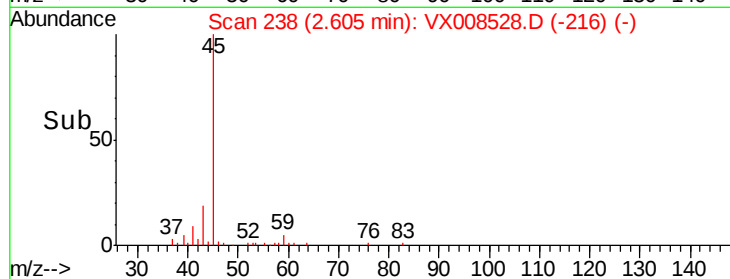
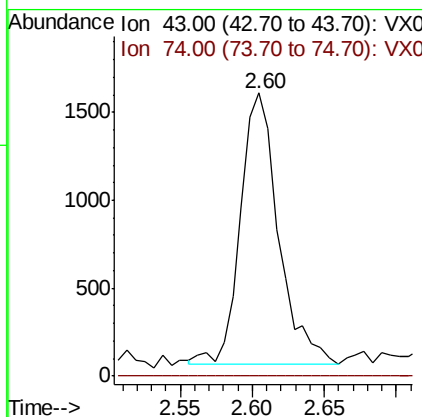
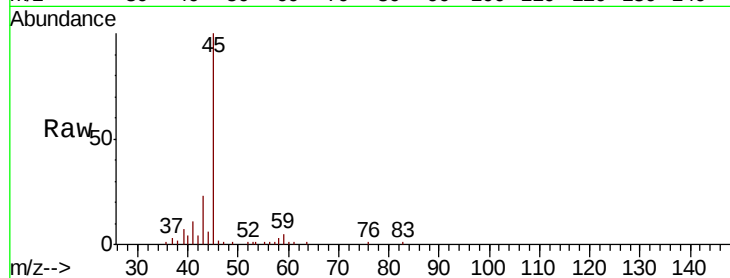




#18
Methyl Acetate
Concen: 0.647 ug/l
RT: 2.60 min Scan# 238
Delta R.T. -0.16 min
Lab File: VX008528.D
Acq: 28 Mar 2019 18:33

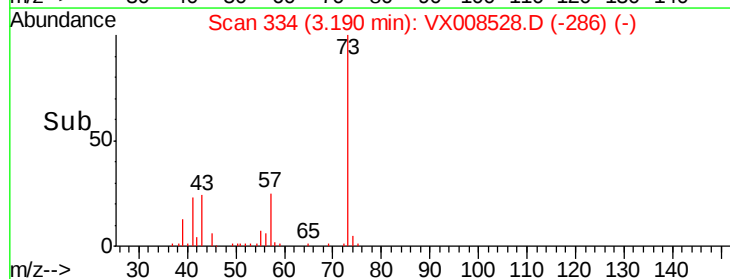
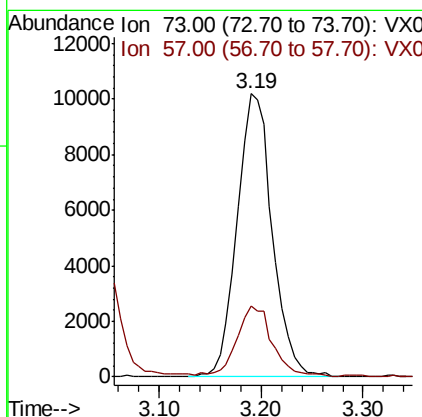
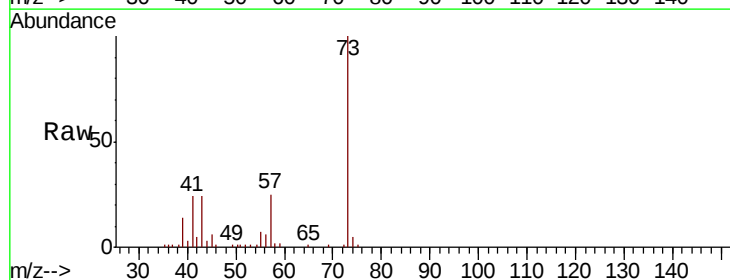
Instrument :
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ClientSampleId :
MW-6

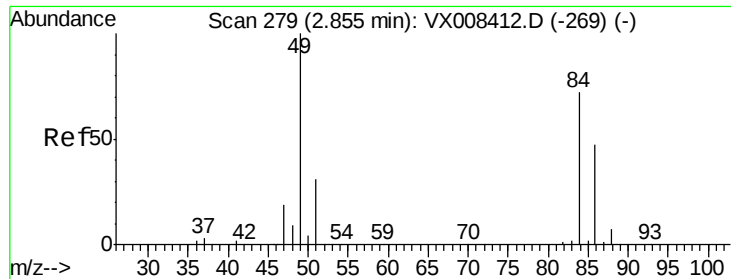
Tot Ion: 43 Resp: 2811
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: 2.546 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008528.D
Acq: 28 Mar 2019 18:33

Tgt Ion: 73 Resp: 24375
Ion Ratio Lower Upper
73 100
57 24.9 18.6 28.0

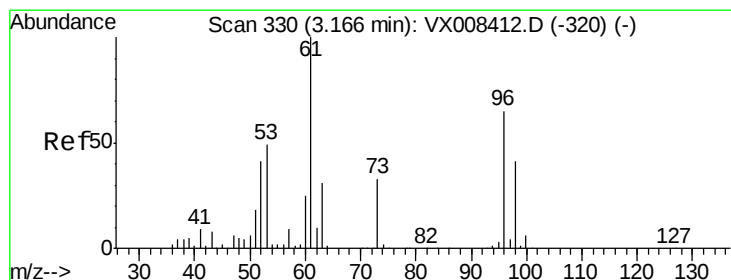
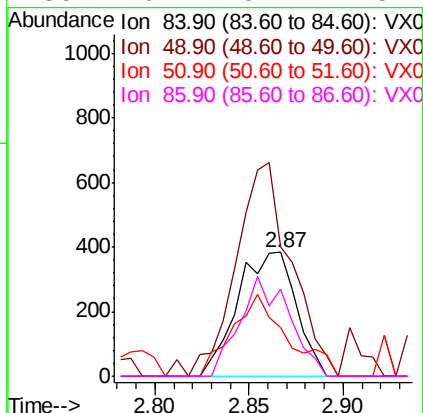
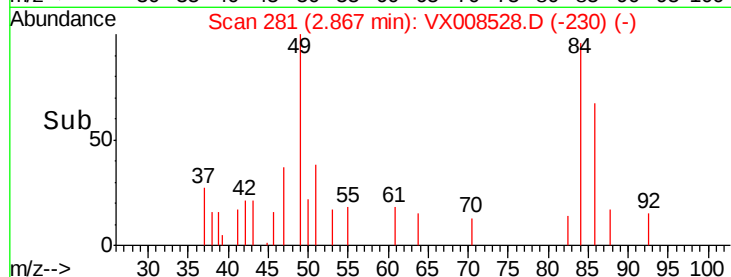
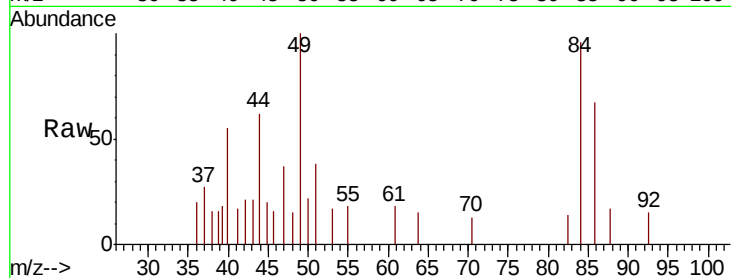




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX008528.D
Acq: 28 Mar 2019 18:33

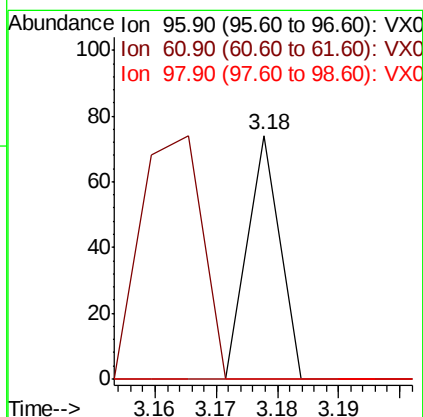
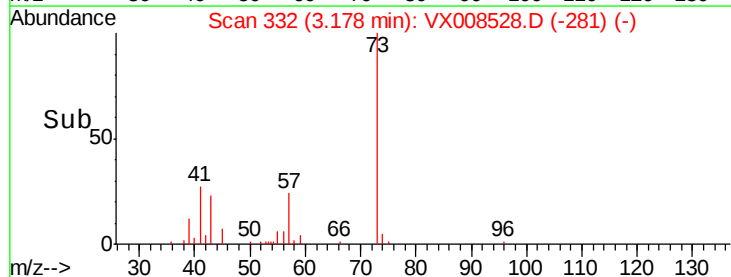
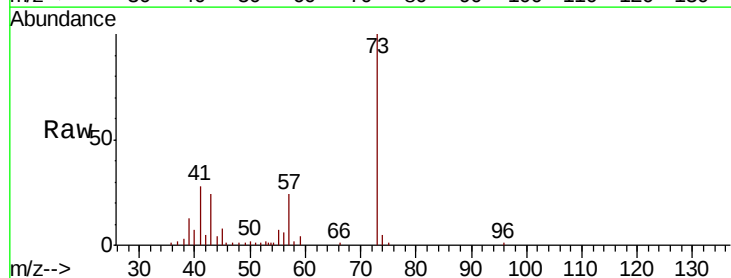
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ClientSampleId :
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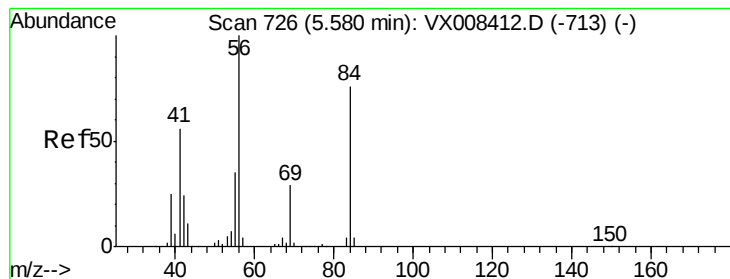
Tot Ion: 84 Resp: 825
Ion Ratio Lower Upper
84 100
49 104.4 110.6 165.8#
51 39.3 33.9 50.9
86 70.1 52.2 78.2



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.18 min Scan# 332
Delta R.T. 0.01 min
Lab File: VX008528.D
Acq: 28 Mar 2019 18:33

Tgt Ion: 96 Resp: 27
Ion Ratio Lower Upper
96 100
61 0.0 122.6 184.0#
98 0.0 50.9 76.3#





#31

Cyclohexane

Concen: 1.005 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008528.D

Acq: 28 Mar 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

MW-6

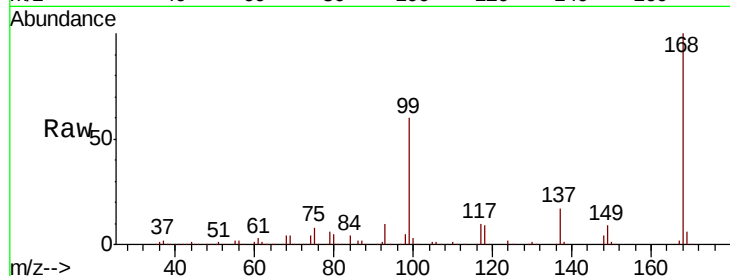
Tot Ion: 56 Resp: 5578

Ion Ratio Lower Upper

56 100

69 177.1 23.2 34.8#

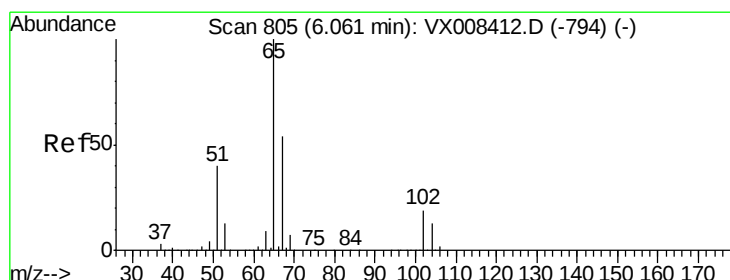
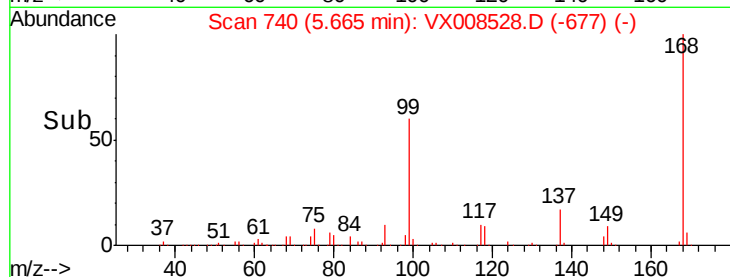
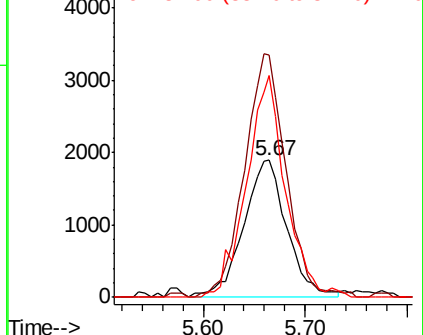
84 162.2 60.7 91.1#



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: 46.458 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008528.D

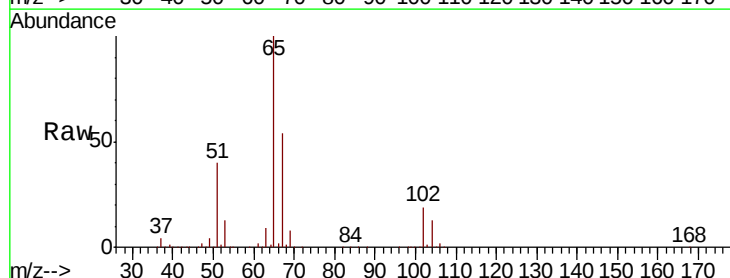
Acq: 28 Mar 2019 18:33

Tgt Ion: 65 Resp: 160827

Ion Ratio Lower Upper

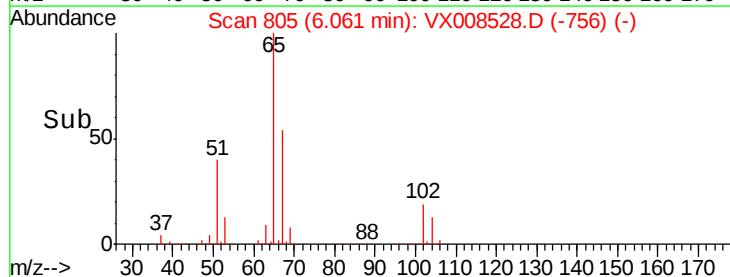
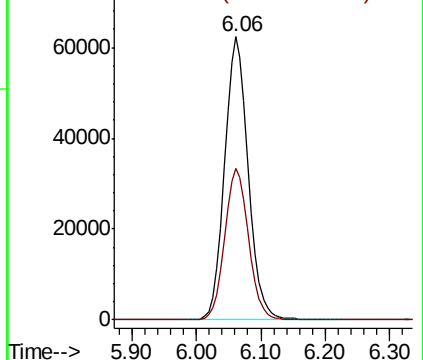
65 100

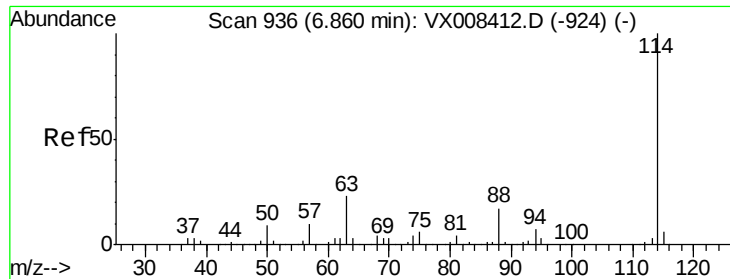
67 54.1 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

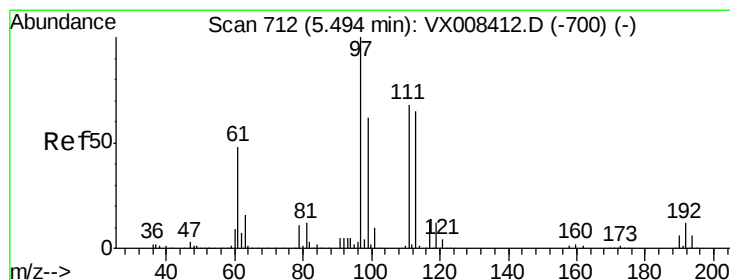
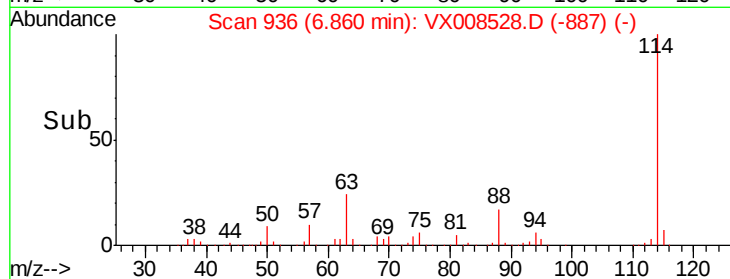
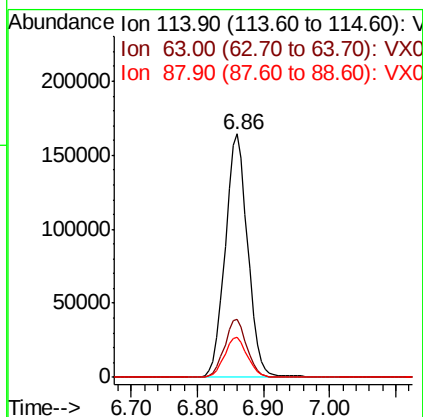
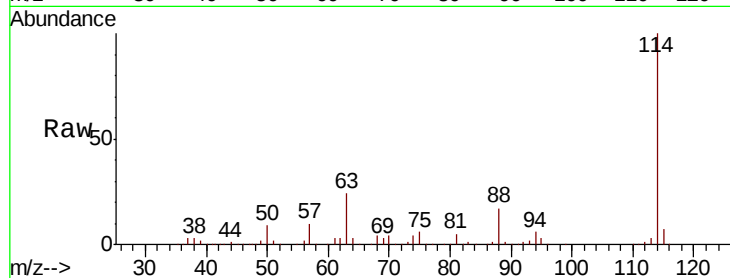




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008528.D
 Acq: 28 Mar 2019 18:33

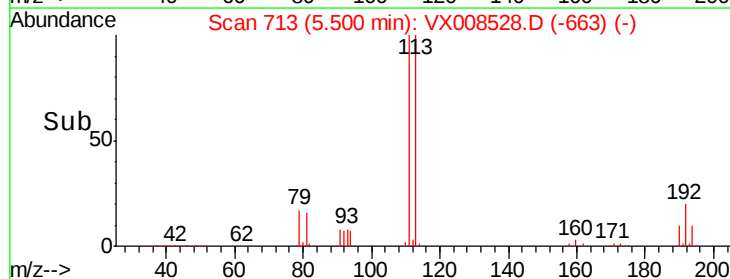
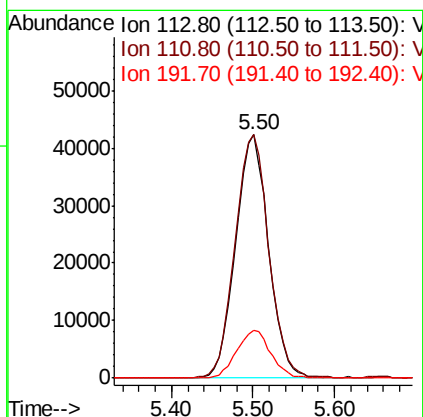
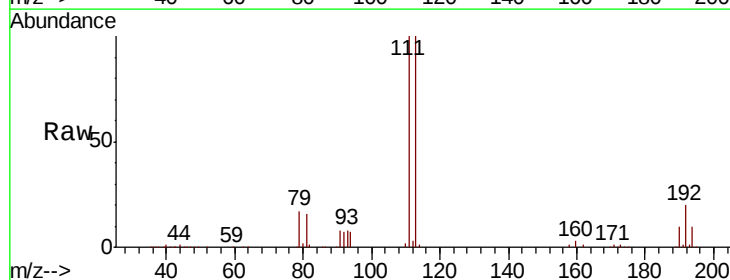
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

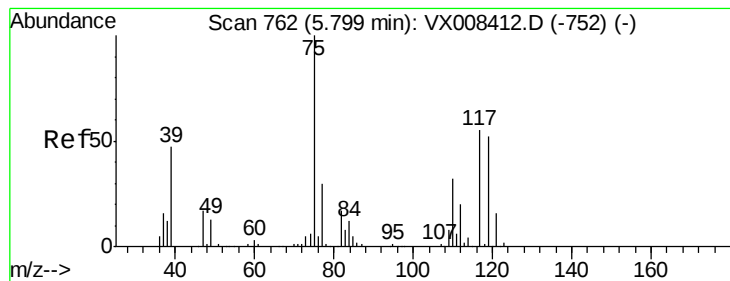
Tot Ion:114 Resp: 387707
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 46.4
 88 16.7 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 47.042 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008528.D
 Acq: 28 Mar 2019 18:33

Tgt Ion:113 Resp: 118923
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.0 124.4
 192 20.0 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.685 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008528.D

Acq: 28 Mar 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

MW-6

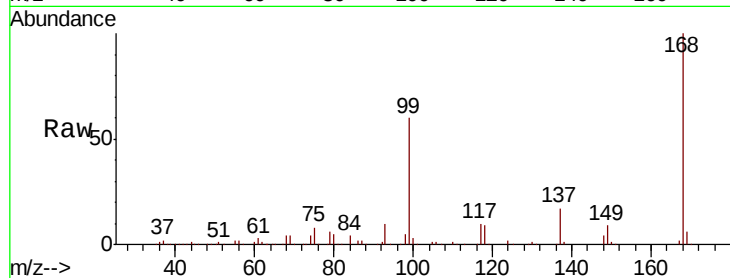
Tot Ion: 75 Resp: 19367

Ion Ratio Lower Upper

75 100

110 8.4 16.6 49.7#

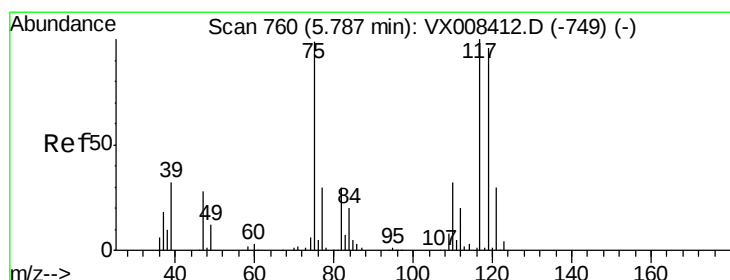
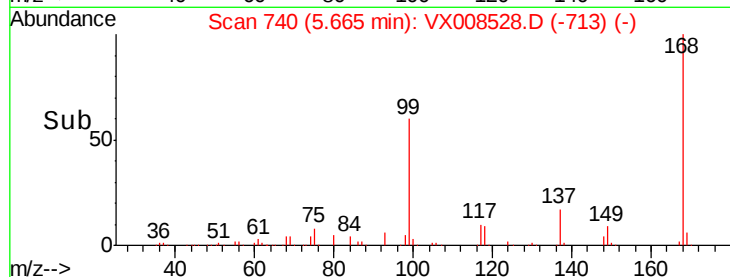
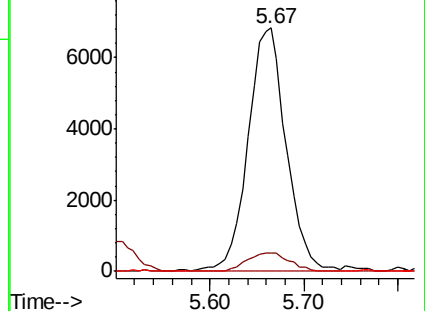
77 0.0 24.2 36.2#



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: 6.432 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008528.D

Acq: 28 Mar 2019 18:33

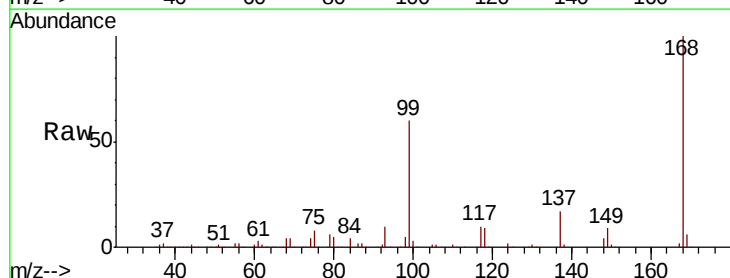
Tgt Ion: 117 Resp: 22189

Ion Ratio Lower Upper

117 100

119 4.9 76.7 115.1#

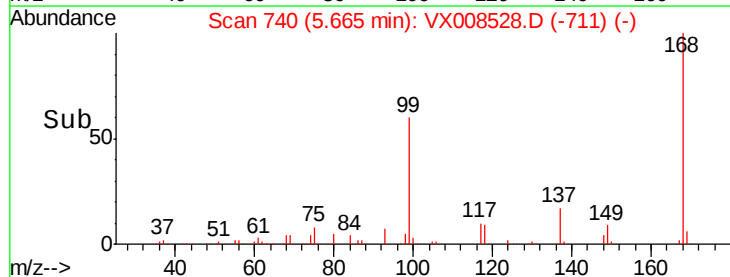
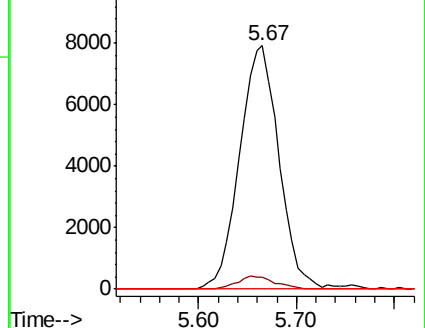
121 0.0 24.3 36.5#

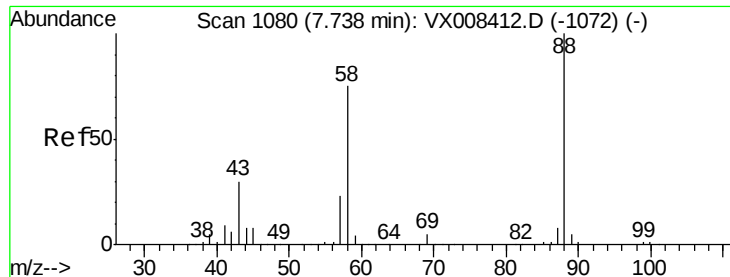


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

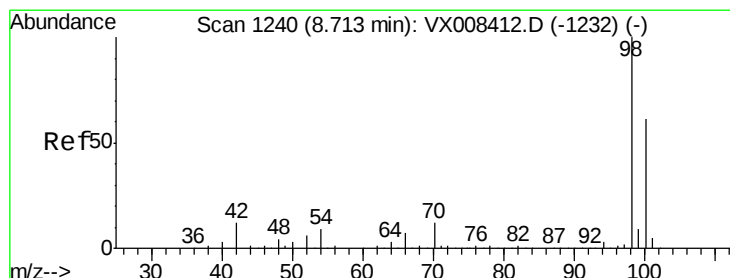
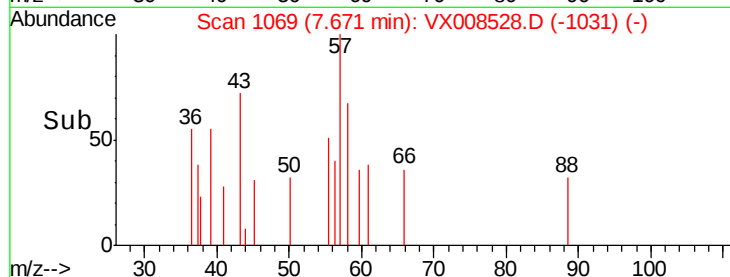
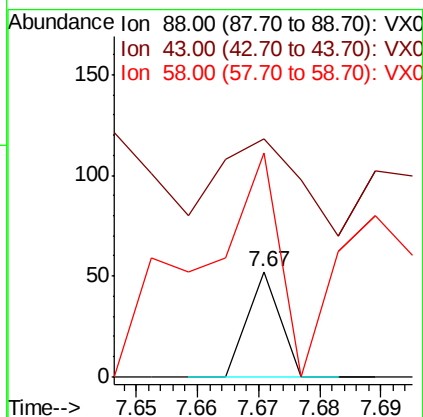
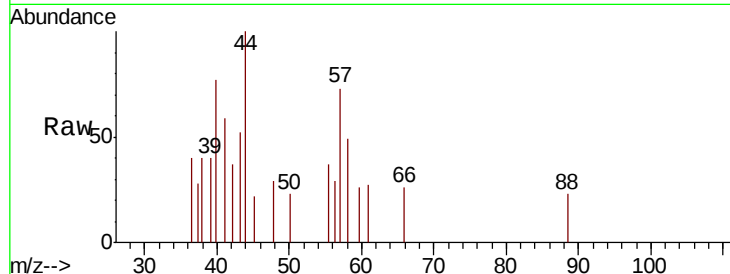




#49
1,4-Dioxane
Concen: 0.223 ug/l
RT: 7.67 min Scan# 1069
Delta R.T. -0.07 min
Lab File: VX008528.D
Acq: 28 Mar 2019 18:33

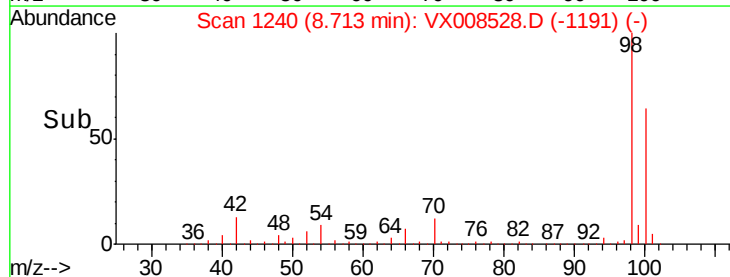
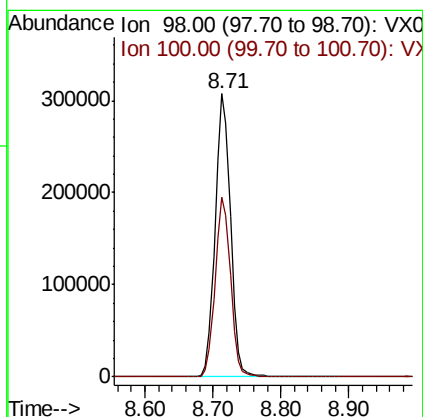
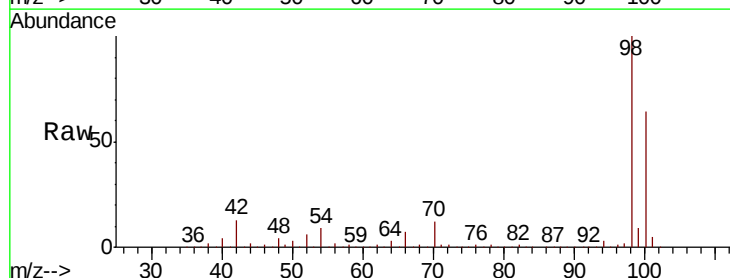
Instrument :
MSVOA_X
ClientSampleId :
MW-6

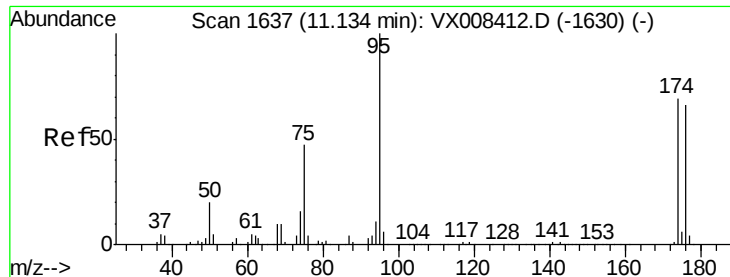
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 252.6 28.6 43.0#
58 542.1 63.0 94.4#



#50
Toluene-d8
Concen: 47.844 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008528.D
Acq: 28 Mar 2019 18:33

Tgt Ion: 98 Resp: 483638
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 43.023 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008528.D

Acq: 28 Mar 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

MW-6

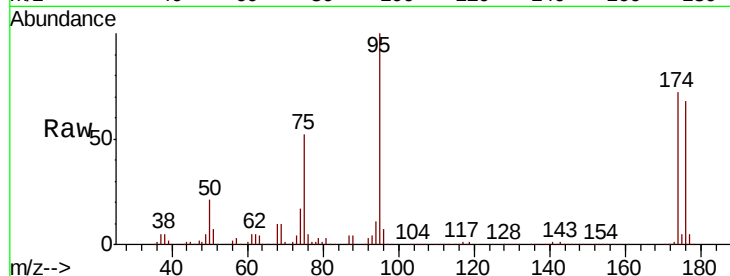
Tot Ion: 95 Resp: 161158

Ion Ratio Lower Upper

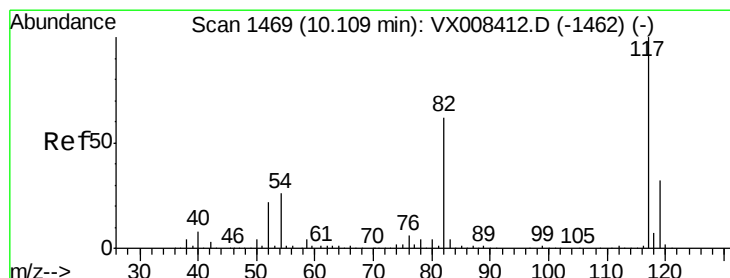
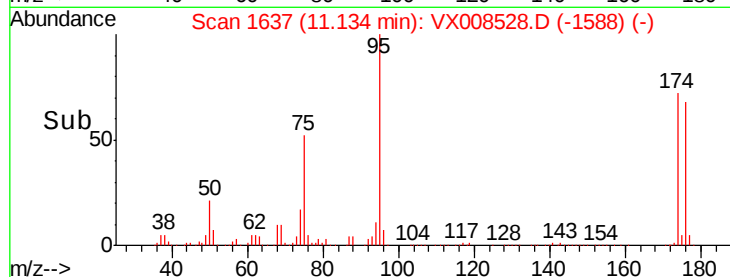
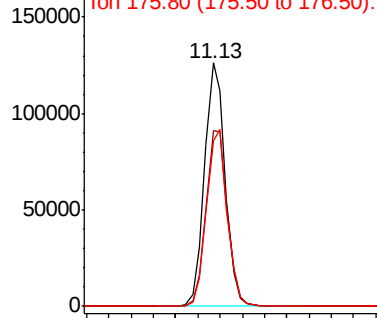
95 100

174 75.1 0.0 147.2

176 73.0 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX008528.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008528.D

Acq: 28 Mar 2019 18:33

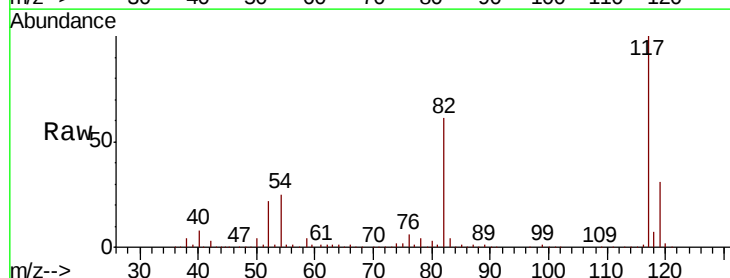
Tgt Ion: 117 Resp: 329038

Ion Ratio Lower Upper

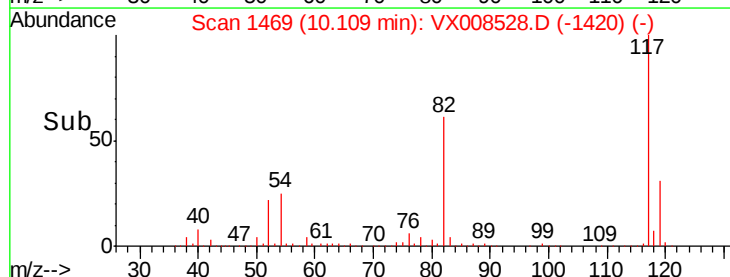
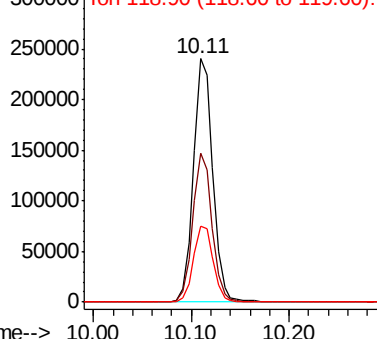
117 100

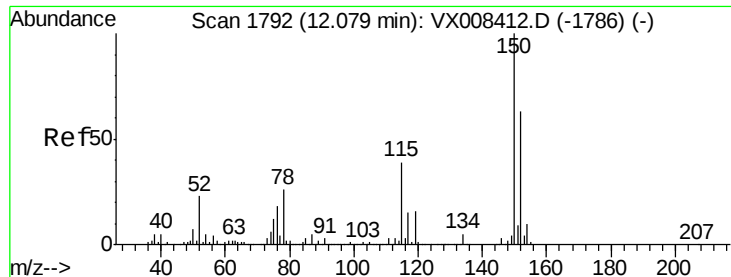
82 61.3 49.4 74.2

119 31.4 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): VX008528.D (-1420) (-)



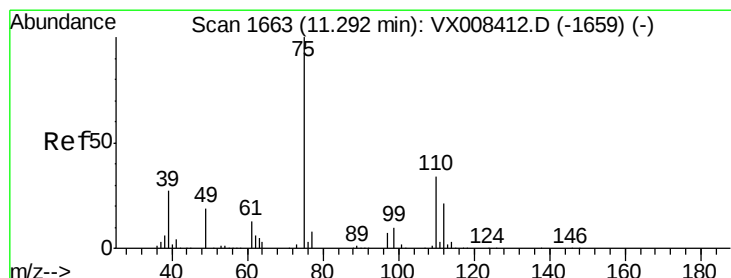
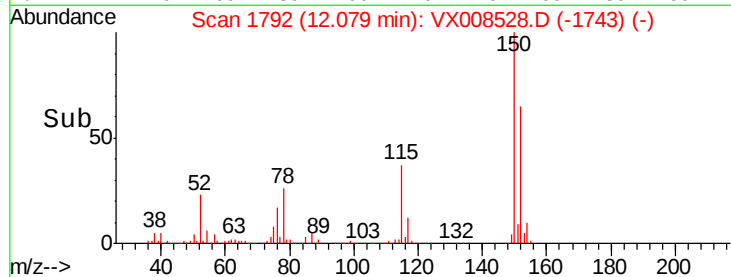
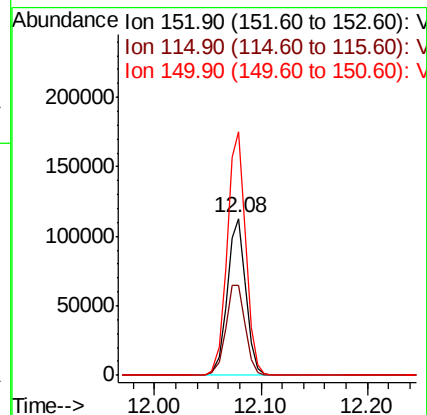
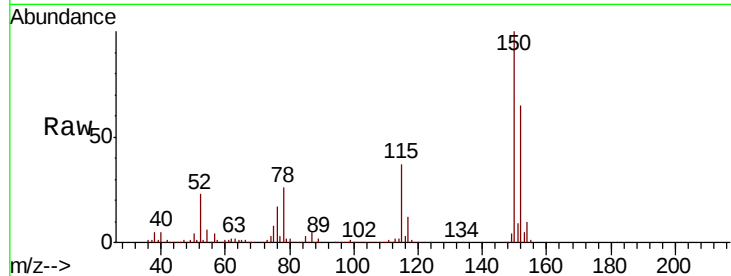


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008528.D
Acq: 28 Mar 2019 18:33

Instrument :
MSVOA_X
ClientSampled :
MW-6

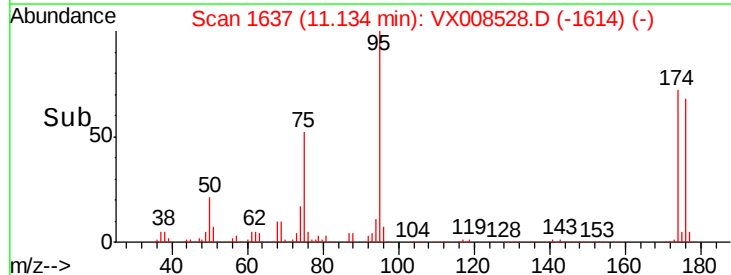
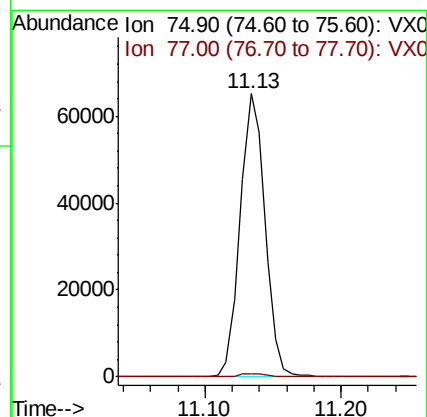
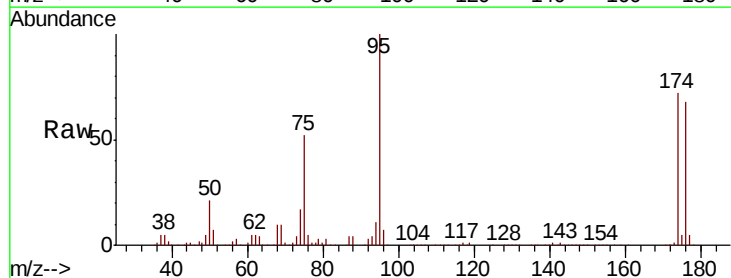
Tot Ion:152 Resp: 136817
Ion Ratio Lower Upper
152 100
115 60.9 43.5 130.5
150 156.0 0.0 348.8

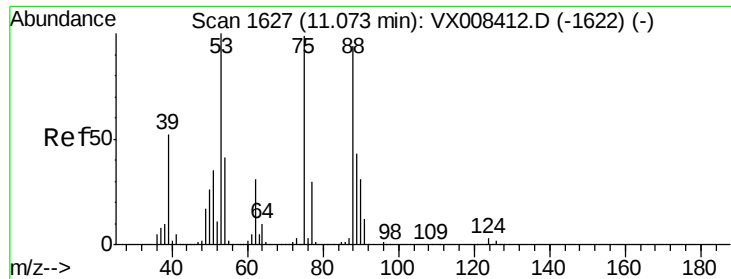


#76

1,2,3-Trichloropropane
Concen: 20.457 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008528.D
Acq: 28 Mar 2019 18:33

Tgt Ion: 75 Resp: 83209
Ion Ratio Lower Upper
75 100
77 1.3 21.9 65.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.522 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008528.D

Acq: 28 Mar 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

MW-6

Tot Ion: 75 Resp: 83209

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.0 34.6 52.0#

