

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009630.D
 Acq On : 17 May 2019 00:56
 Operator : JC/SP
 Sample : K2887-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW128-190514

Quant Time: May 17 07:45:00 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	173201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	275779	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104302	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	114716	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
35) Dibromofluoromethane	5.50	113	83879	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	8.71	98	345304	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	11.13	95	114449	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	

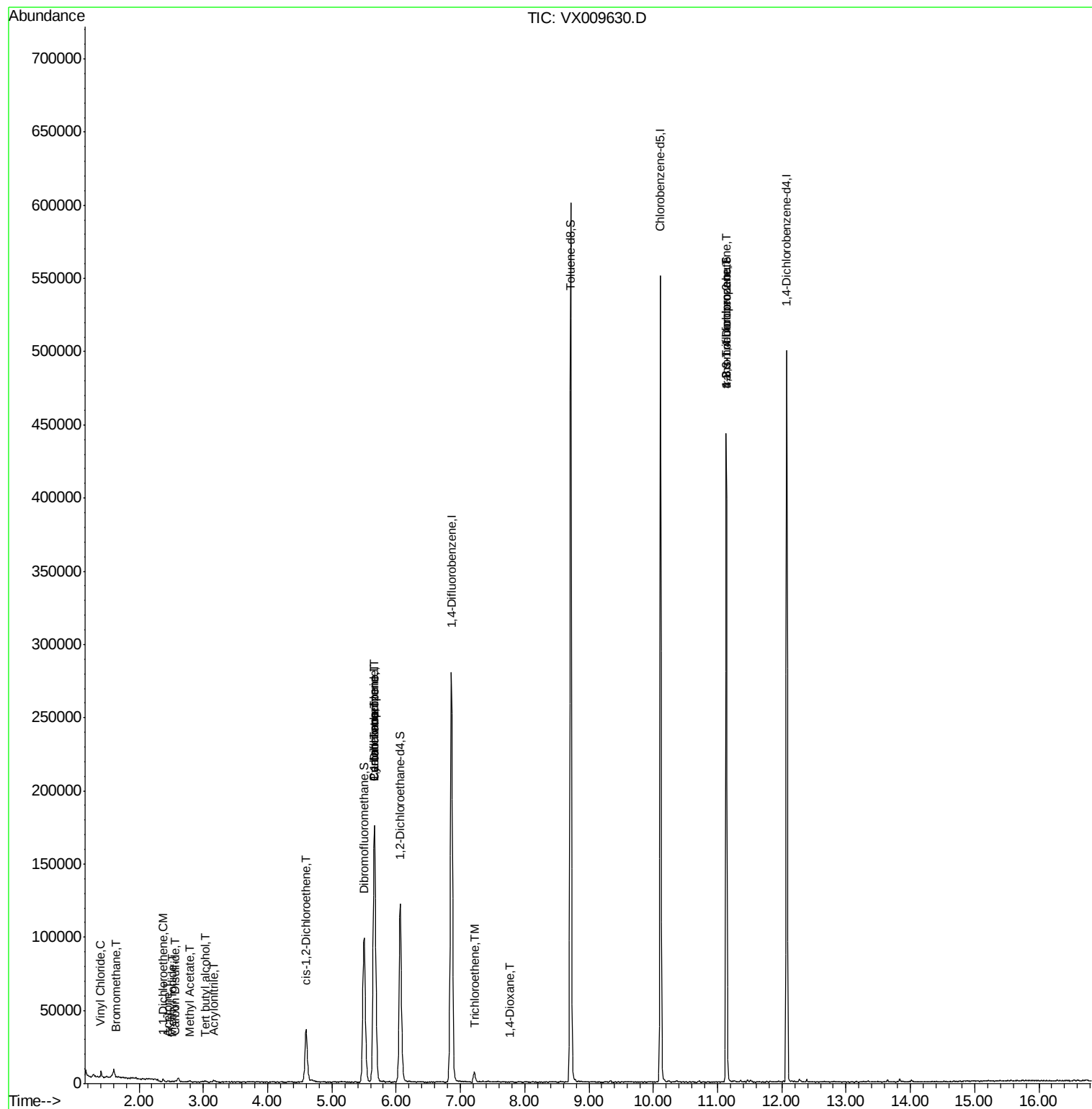
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3127	1.472	ug/l	97
5) Bromomethane	1.65	94	384	0.301	ug/l #	70
10) Methyl Iodide	2.51	142	298	4.737	ug/l #	89
11) Tert butyl alcohol	3.03	59	564	1.031	ug/l #	85
12) 1,1-Dichloroethene	2.38	96	439	0.270	ug/l	90
15) Acrylonitrile	3.15	53	386	0.288	ug/l #	69
16) Acetone	2.45	43	876	0.690	ug/l	100
17) Carbon Disulfide	2.57	76	974	0.213	ug/l #	81
18) Methyl Acetate	2.78	43	988	0.327	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	22288	10.595	ug/l	88
28) Bromochloromethane	5.03	49	69	Below Cal	#	20
31) Cyclohexane	5.65	56	4161	1.190	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13245	5.168	ug/l #	52
38) Carbon Tetrachloride	5.66	117	16033	6.886	ug/l #	17
44) Trichloroethene	7.21	130	2491	1.299	ug/l	98
49) 1,4-Dioxane	7.76	88	28	0.487	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	58792	24.300	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	58792	62.175	ug/l #	10

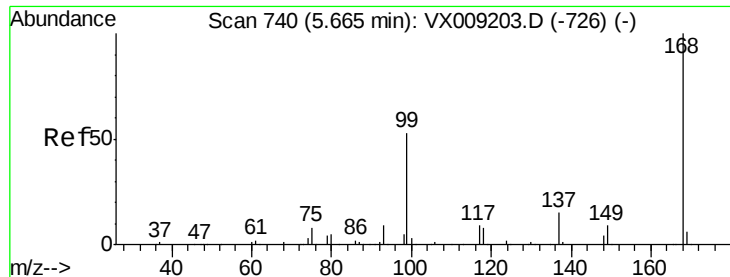
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009630.D

Acq: 17 May 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

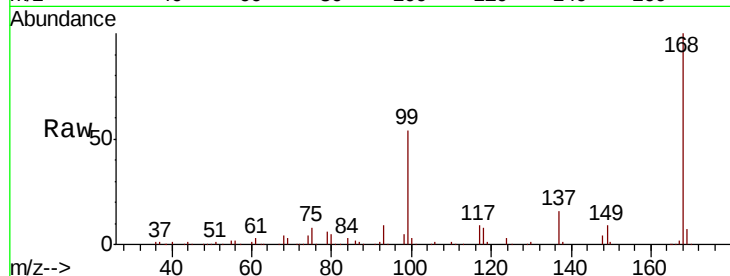
SS052MW128-190514

Tot Ion:168 Resp: 173201

Ion Ratio Lower Upper

168 100

99 54.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

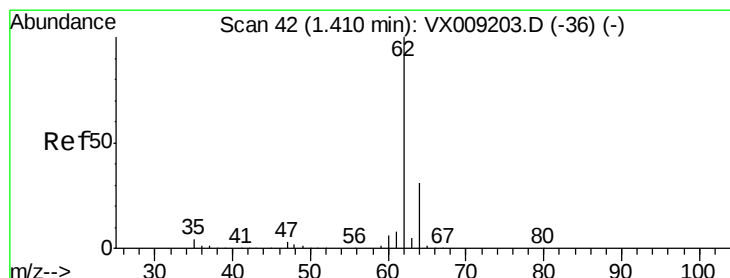
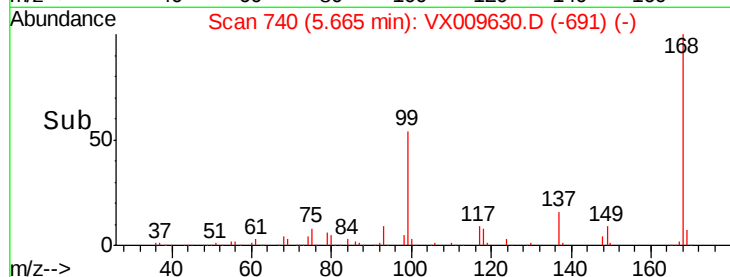
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.472 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009630.D

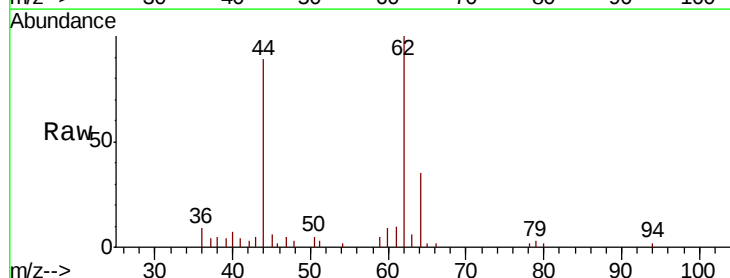
Acq: 17 May 2019 00:56

Tgt Ion: 62 Resp: 3127

Ion Ratio Lower Upper

62 100

64 32.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

3000

2500

2000

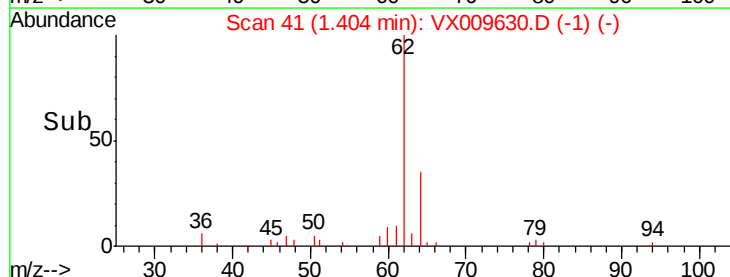
1500

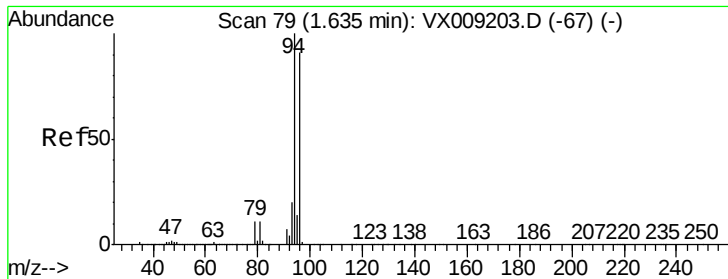
1000

500

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: 0.301 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009630.D

Acq: 17 May 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

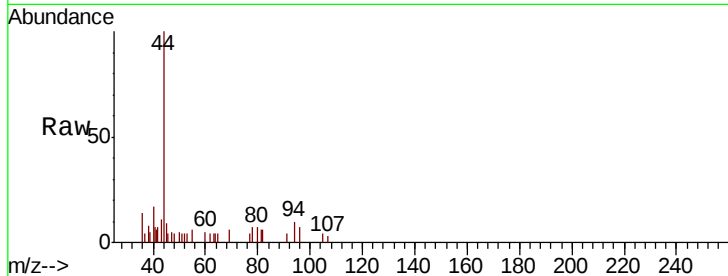
SS052MW128-190514

Tot Ion: 94 Resp: 384

Ion Ratio Lower Upper

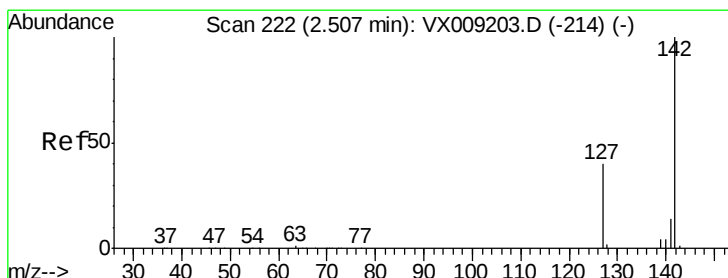
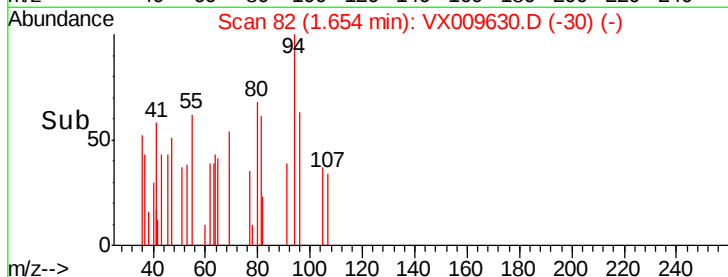
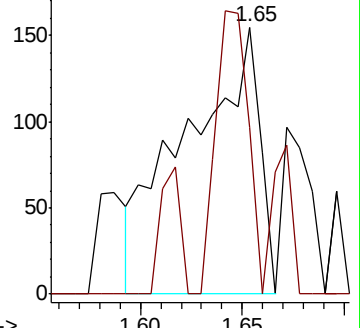
94 100

96 62.6 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.737 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009630.D

Acq: 17 May 2019 00:56

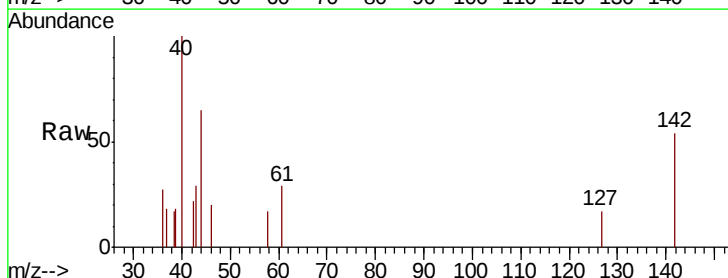
Tgt Ion: 142 Resp: 298

Ion Ratio Lower Upper

142 100

127 38.9 32.7 49.1

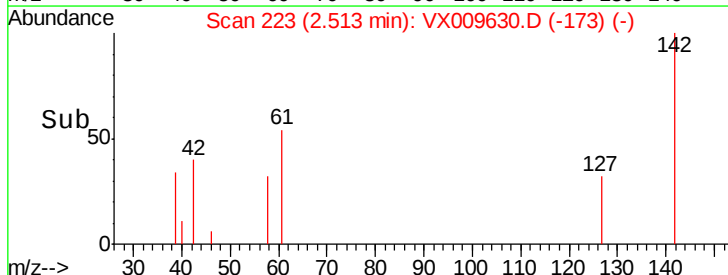
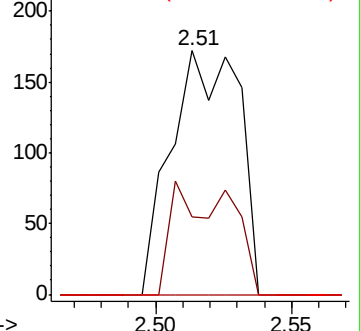
141 0.0 11.5 17.3#

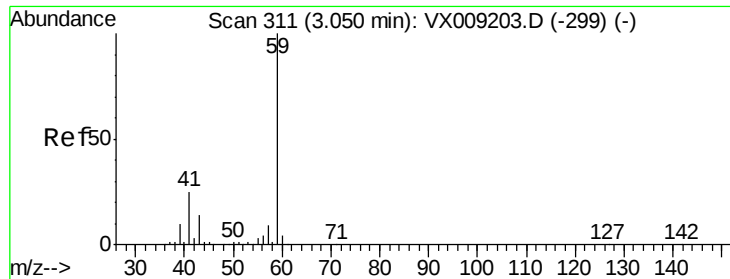


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

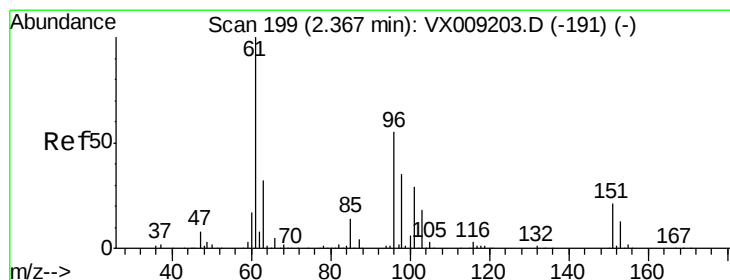
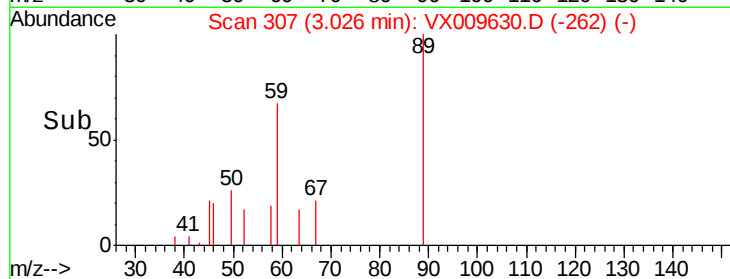
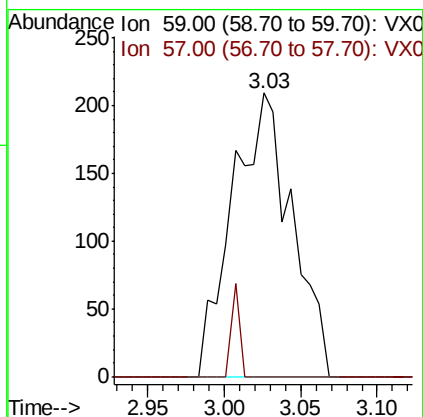
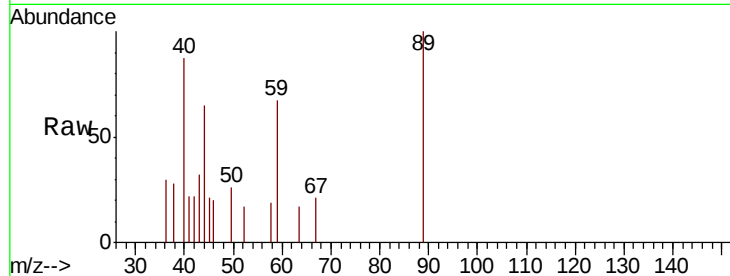




#11
Tert butyl alcohol
Concen: 1.031 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009630.D
Acq: 17 May 2019 00:56

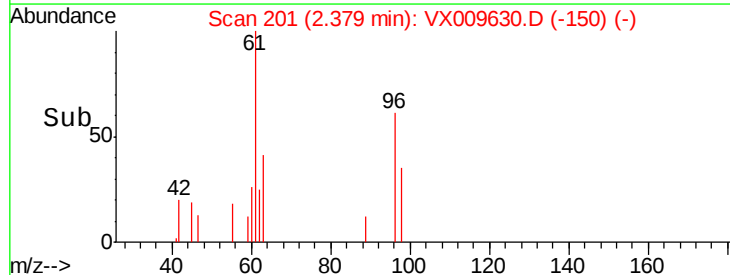
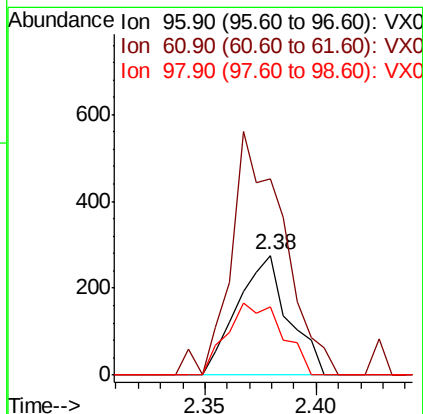
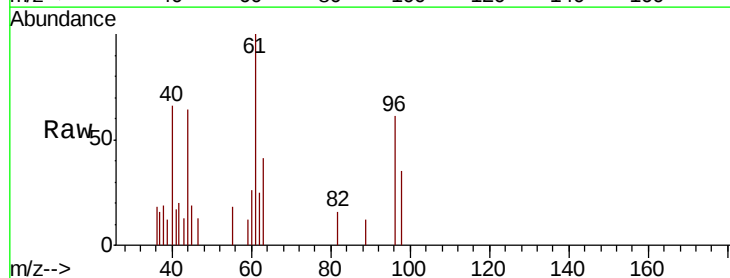
Instrument :
MSVOA_X
ClientSampleId :
SS052MW128-190514

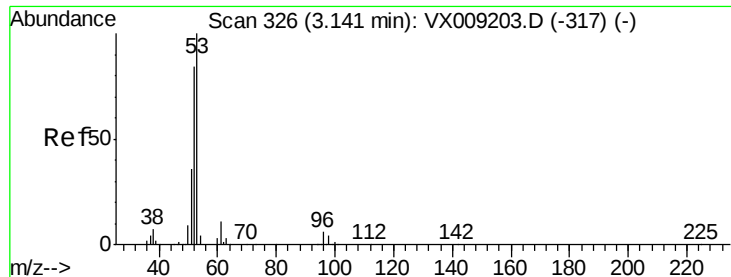
Tot Ion: 59 Resp: 564
Ion Ratio Lower Upper
59 100
57 4.4 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.270 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX009630.D
Acq: 17 May 2019 00:56

Tgt Ion: 96 Resp: 439
Ion Ratio Lower Upper
96 100
61 164.7 144.3 216.5
98 57.5 50.3 75.5





#15

Acrylonitrile

Concen: 0.288 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX009630.D

Acq: 17 May 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

SS052MW128-190514

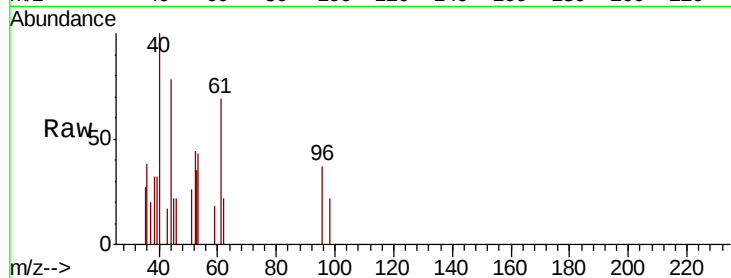
Tot Ion: 53 Resp: 386

Ion Ratio Lower Upper

53 100

52 46.6 66.9 100.3#

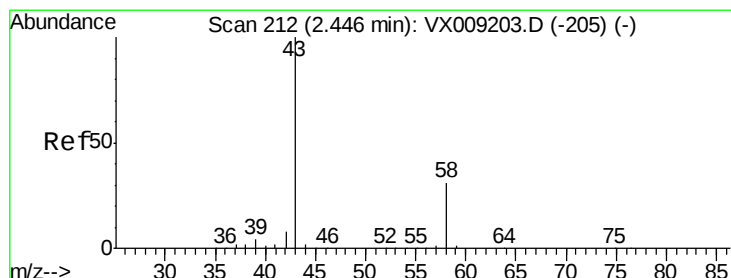
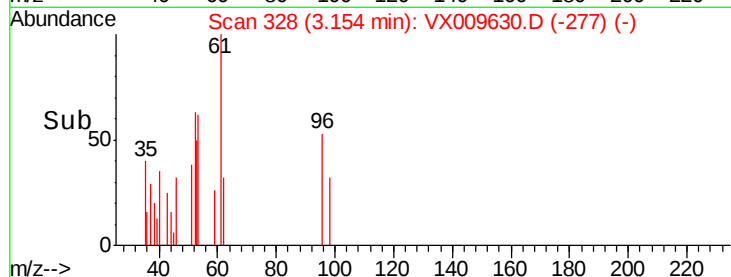
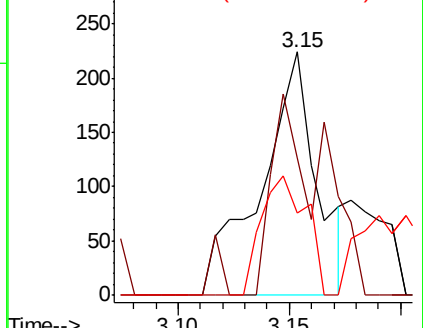
51 39.9 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.690 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009630.D

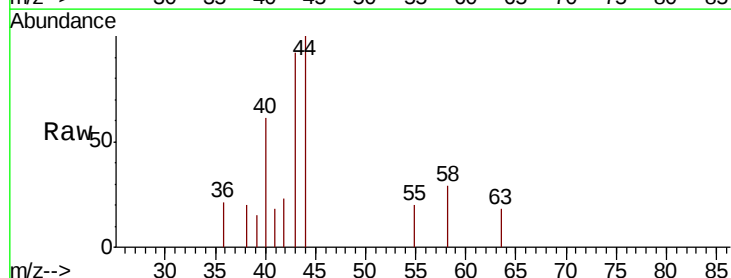
Acq: 17 May 2019 00:56

Tgt Ion: 43 Resp: 876

Ion Ratio Lower Upper

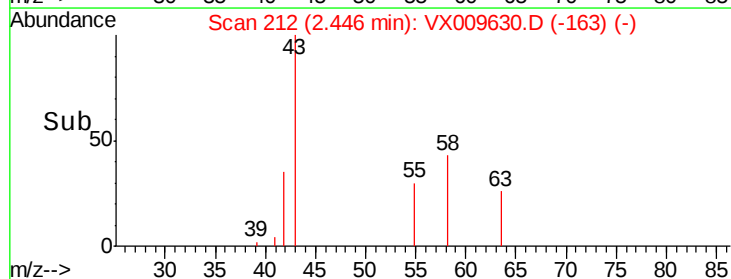
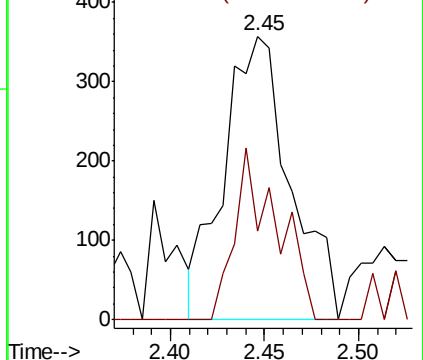
43 100

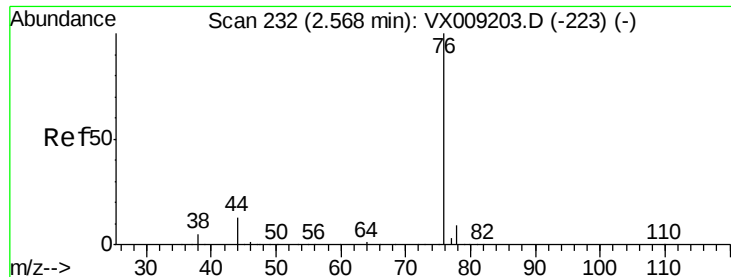
58 31.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.213 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009630.D

Acq: 17 May 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

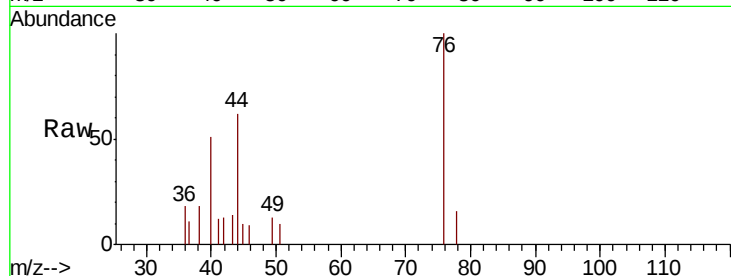
SS052MW128-190514

Tot Ion: 76 Resp: 974

Ion Ratio Lower Upper

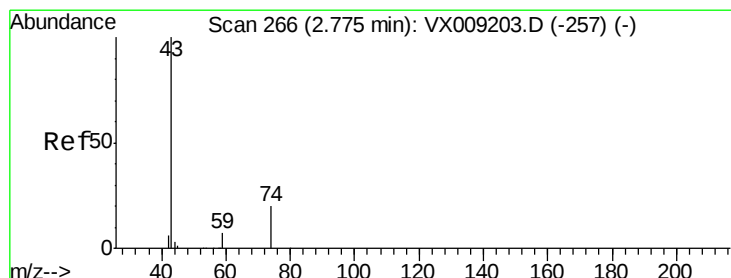
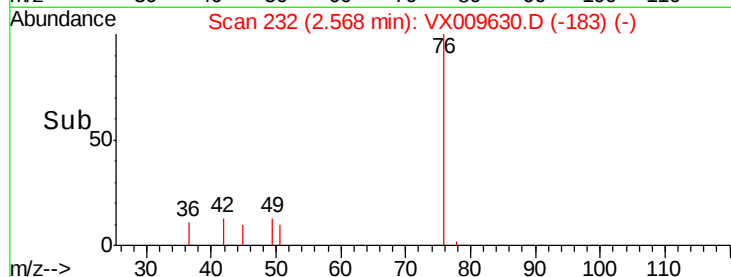
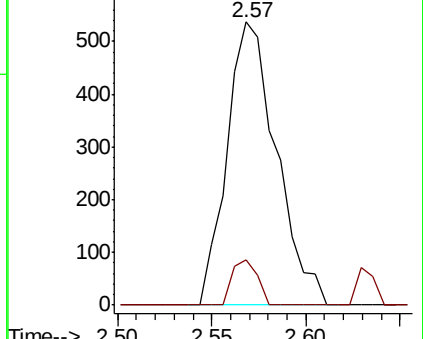
76 100

78 16.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.327 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX009630.D

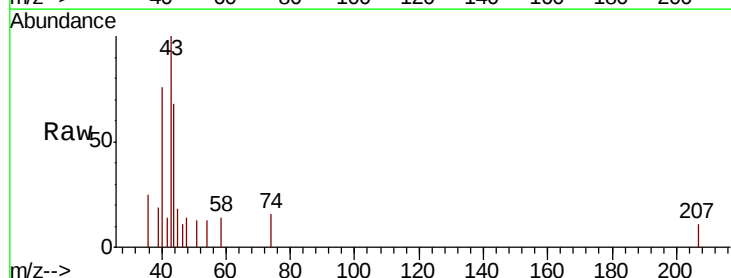
Acq: 17 May 2019 00:56

Tgt Ion: 43 Resp: 988

Ion Ratio Lower Upper

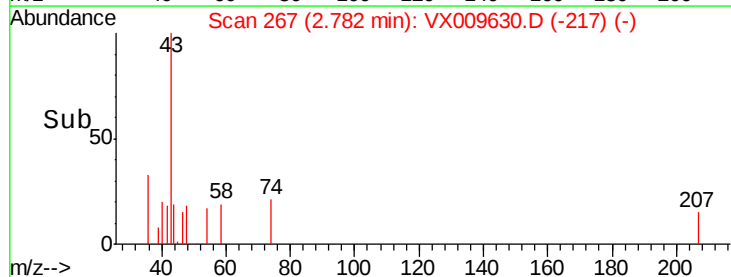
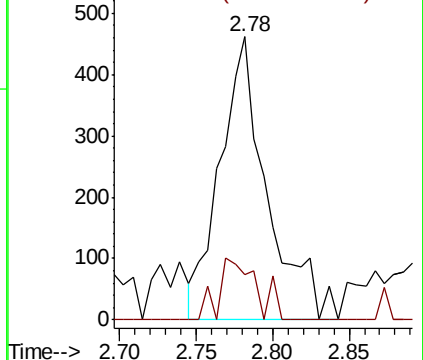
43 100

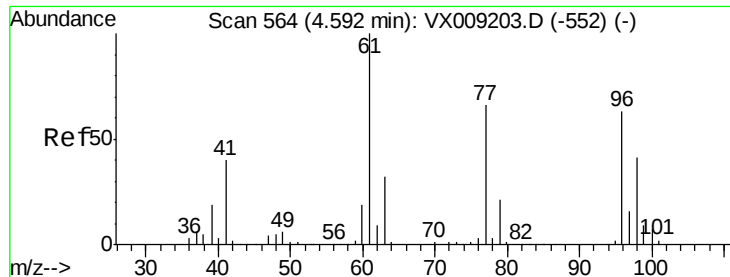
74 17.4 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



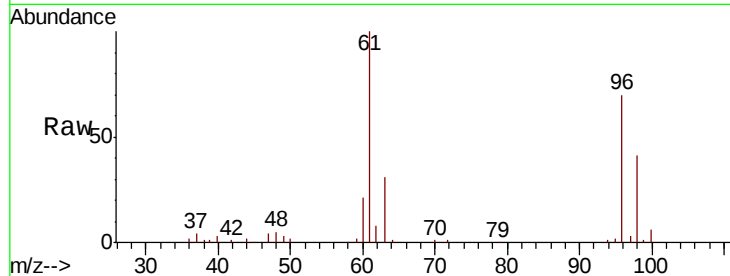


#27

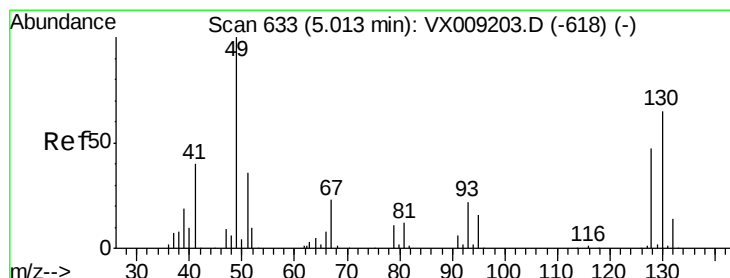
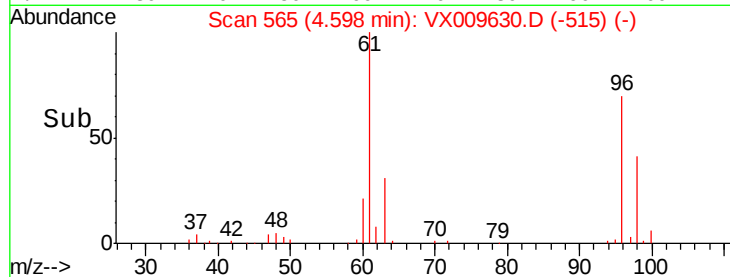
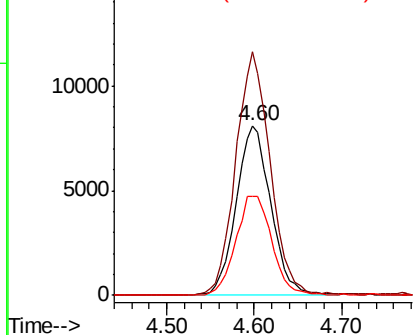
cis-1,2-Dichloroethene
 Concen: 10.595 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009630.D
 Acq: 17 May 2019 00:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW128-190514

Tot Ion: 96 Resp: 22288
 Ion Ratio Lower Upper
 96 100
 61 143.0 0.0 324.0
 98 61.0 0.0 130.4



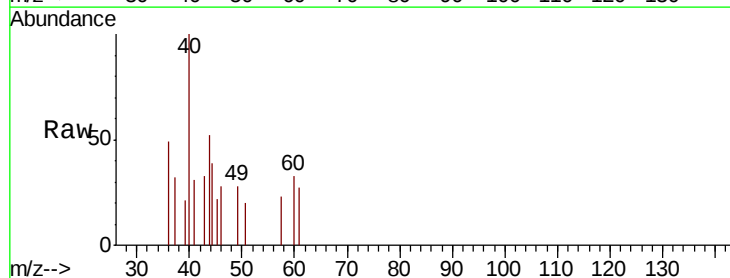
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



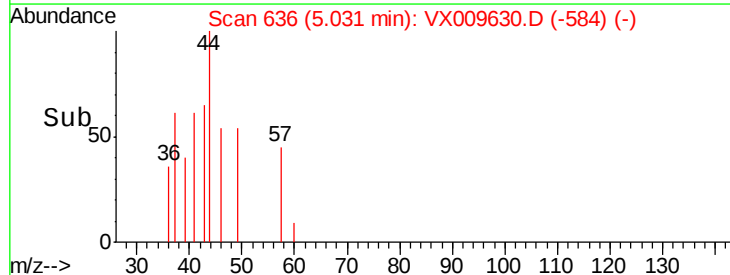
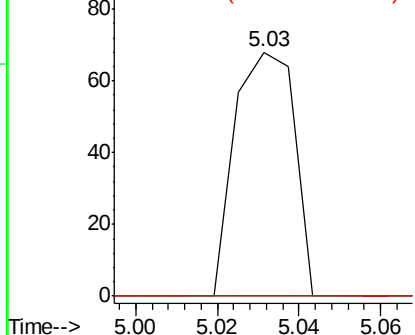
#28

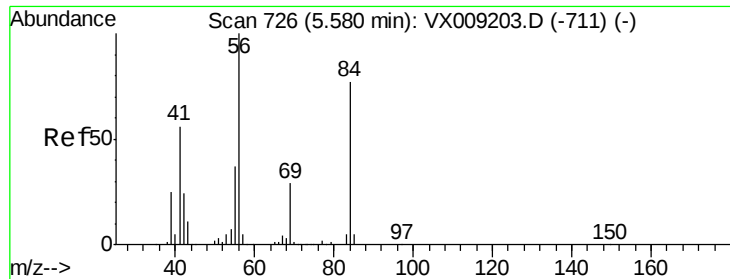
Bromochloromethane
 Concen: Below Cal
 RT: 5.03 min Scan# 636
 Delta R.T. 0.02 min
 Lab File: VX009630.D
 Acq: 17 May 2019 00:56

Tgt 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

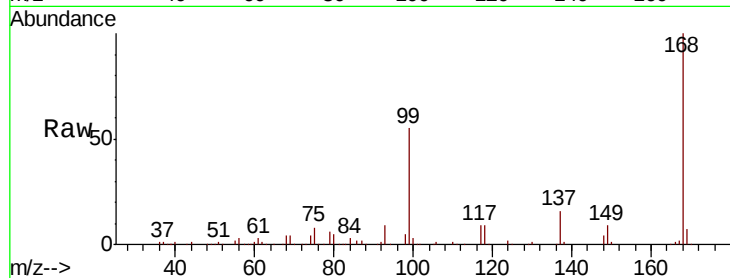




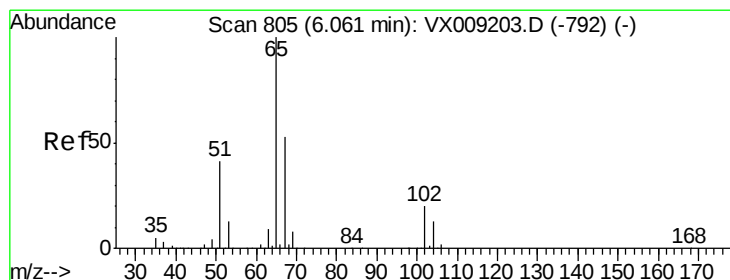
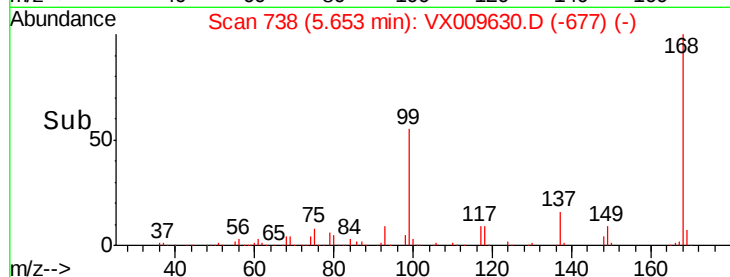
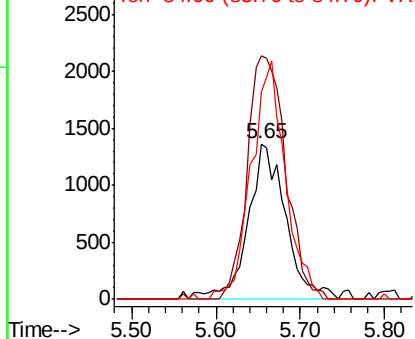
#31
Cyclohexane
Concen: 1.190 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009630.D
Acq: 17 May 2019 00:56

Instrument :
MSVOA_X
ClientSampleId :
SS052MW128-190514

Tot Ion: 56 Resp: 4161
Ion Ratio Lower Upper
56 100
69 156.7 23.4 35.0#
84 133.7 61.9 92.9#

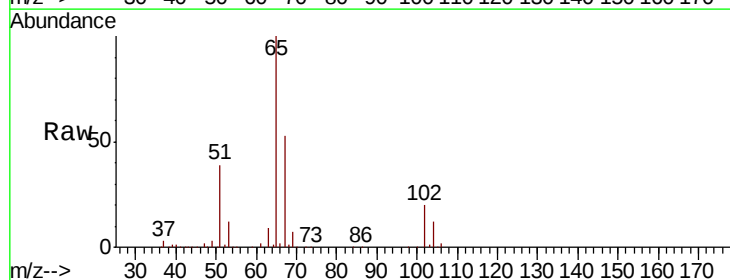


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

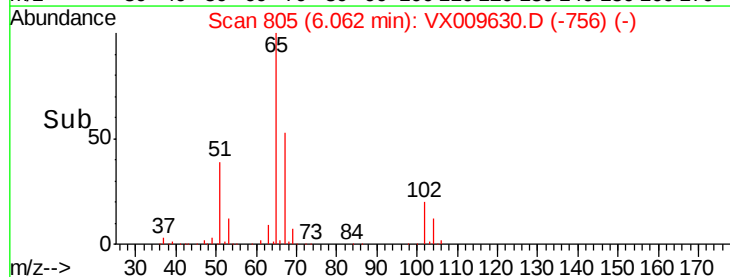
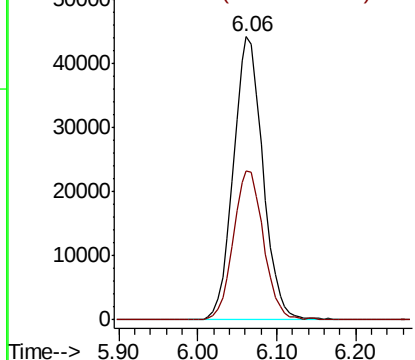


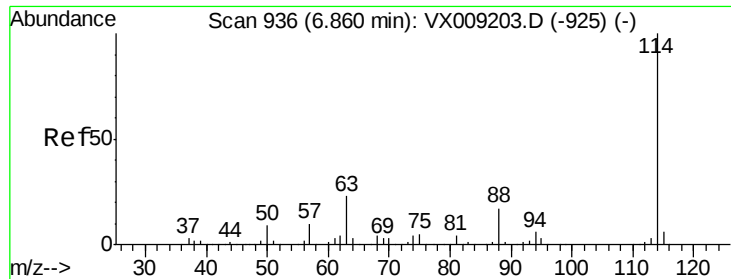
#33
1,2-Dichloroethane-d4
Concen: 48.518 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009630.D
Acq: 17 May 2019 00:56

Tgt Ion: 65 Resp: 114716
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.6



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

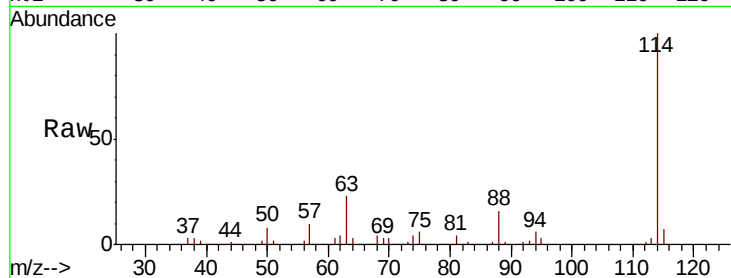




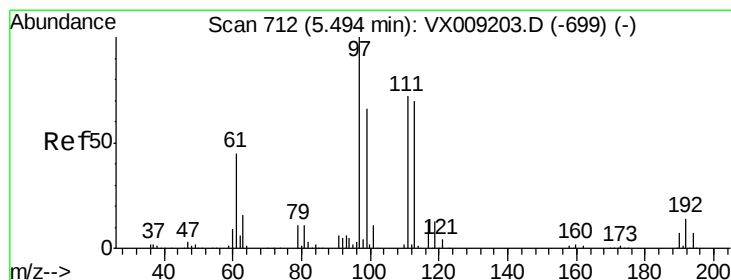
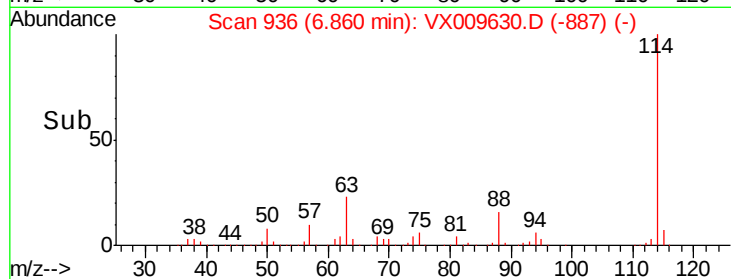
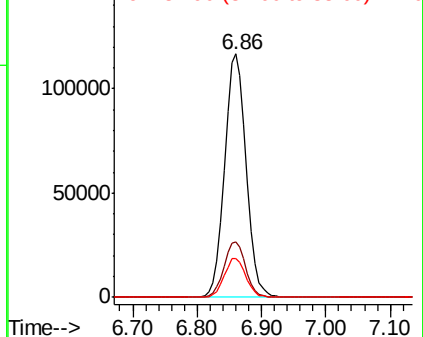
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009630.D
 Acq: 17 May 2019 00:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW128-190514

Tot Ion:114 Resp: 275779
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.6
 88 16.0 0.0 33.2

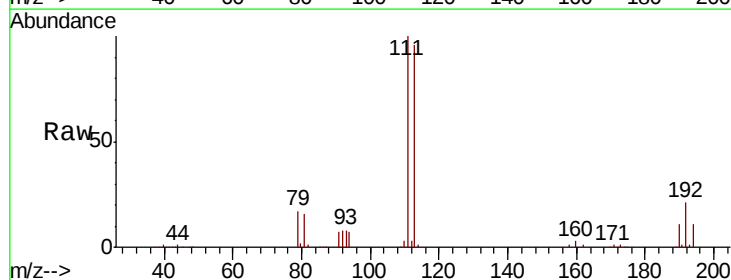


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

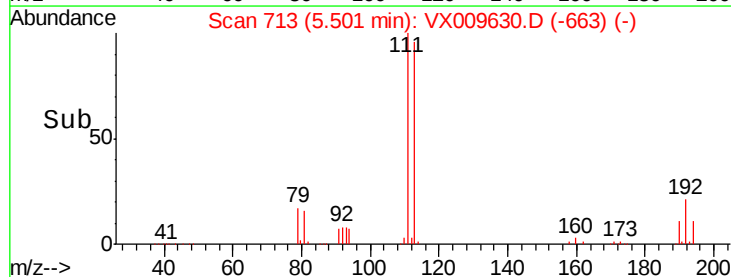
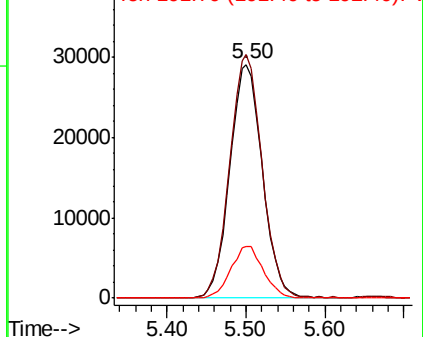


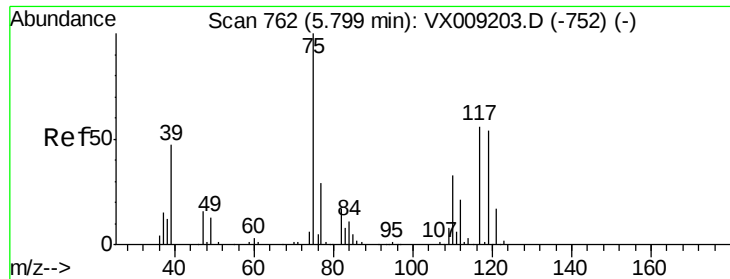
#35
 Dibromofluoromethane
 Concen: 48.383 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009630.D
 Acq: 17 May 2019 00:56

Tgt Ion:113 Resp: 83879
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.8 124.2
 192 22.1 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

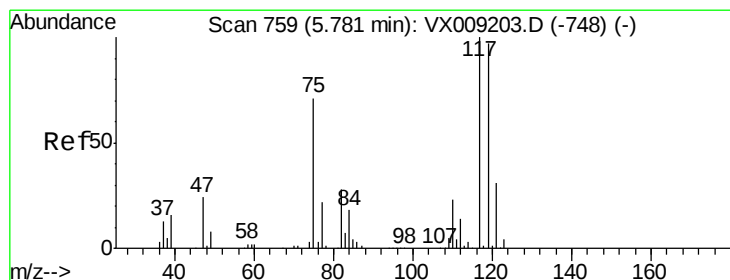
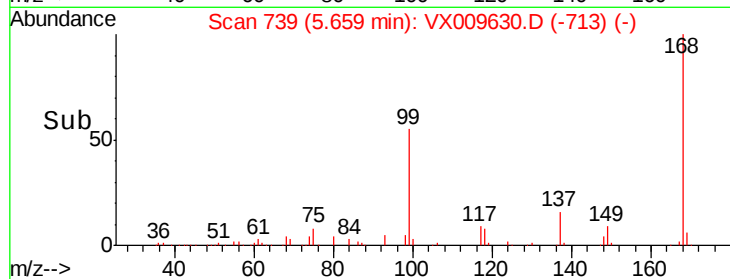
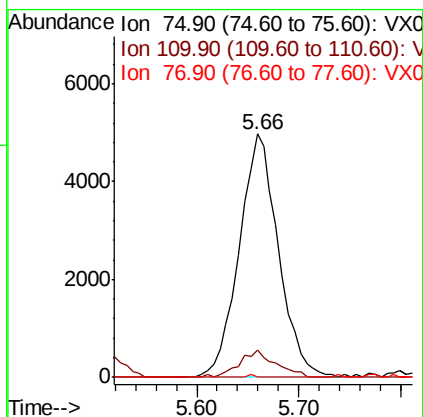
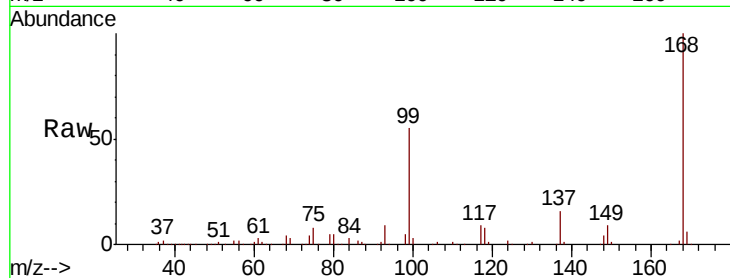




#36
 1,1-Dichloropropene
 Concen: 5.168 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009630.D
 Acq: 17 May 2019 00:56

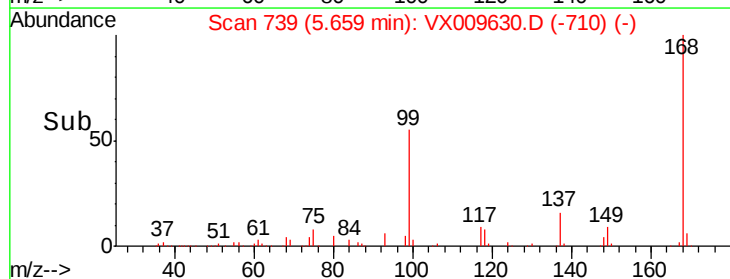
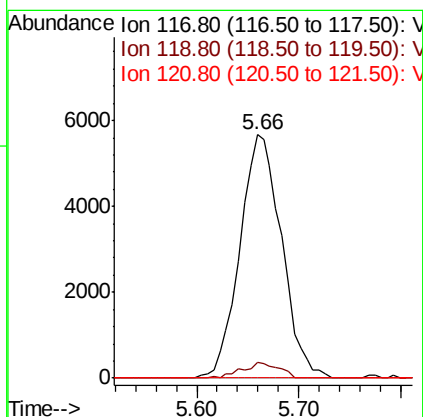
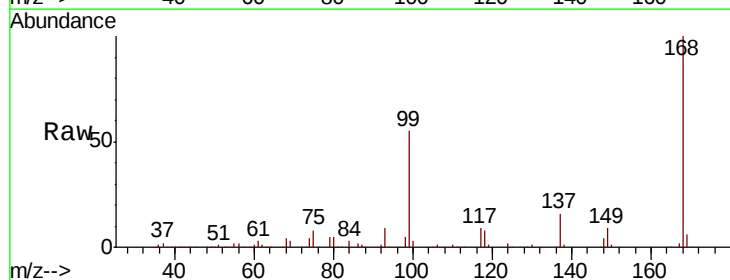
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW128-190514

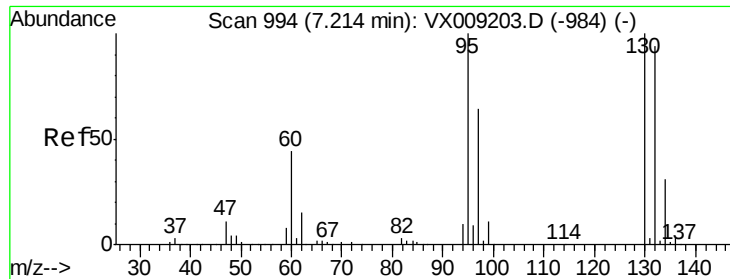
Tot Ion: 75 Resp: 13245
 Ion Ratio Lower Upper
 75 100
 110 10.2 16.9 50.6#
 77 0.2 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.886 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009630.D
 Acq: 17 May 2019 00:56

Tgt Ion: 117 Resp: 16033
 Ion Ratio Lower Upper
 117 100
 119 6.5 77.5 116.3#
 121 0.0 24.7 37.1#





#44

Trichloroethene

Concen: 1.299 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009630.D

Acq: 17 May 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

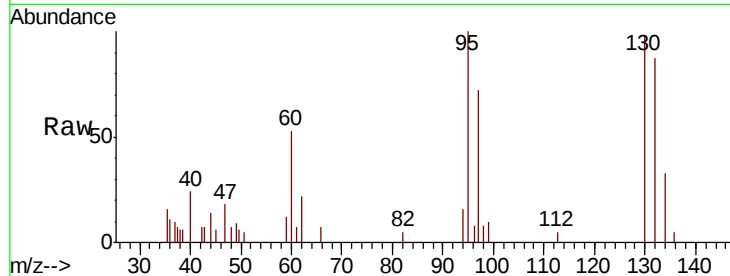
SS052MW128-190514

Tot Ion:130 Resp: 2491

Ion Ratio Lower Upper

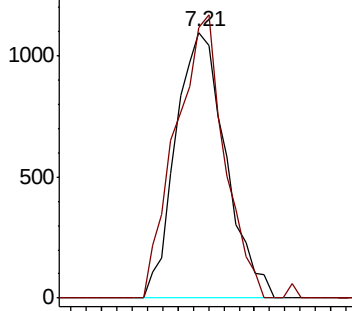
130 100

95 101.9 0.0 199.2

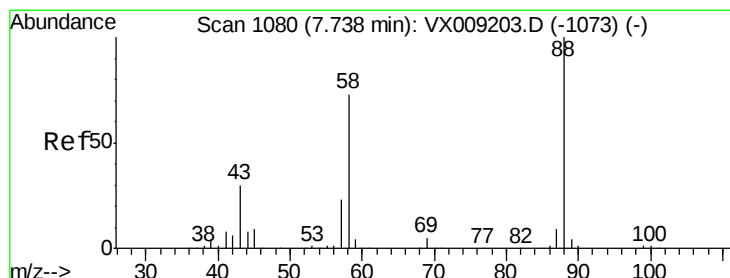
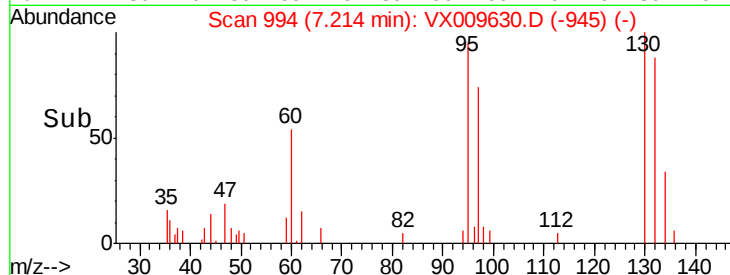


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



Time-->



#49

1,4-Dioxane

Concen: 0.487 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX009630.D

Acq: 17 May 2019 00:56

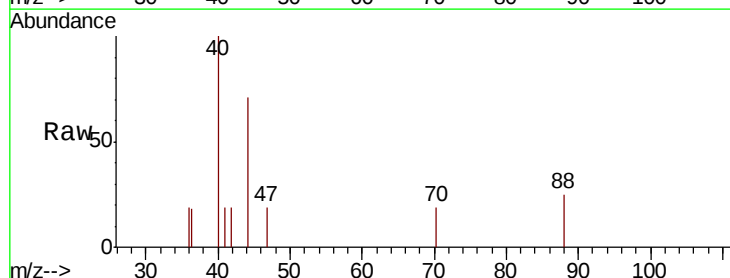
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 342.9 28.6 42.8#

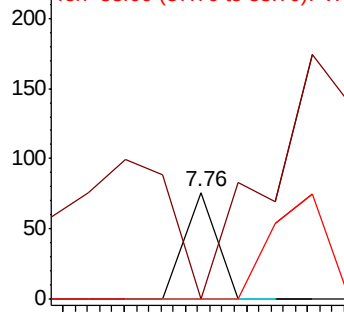
58 0.0 61.7 92.5#



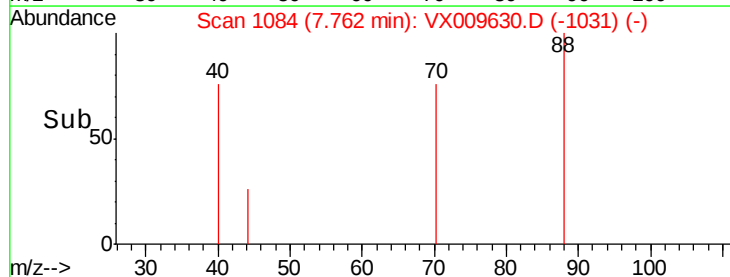
Abundance Ion 88.00 (87.70 to 88.70): VX0

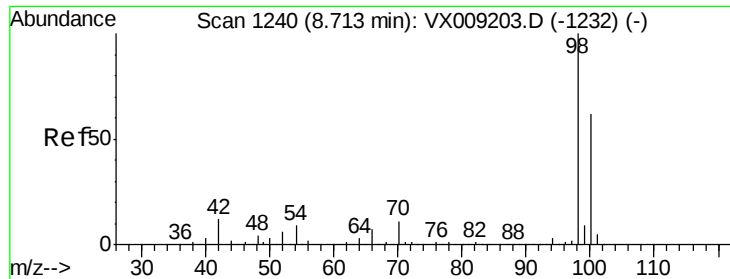
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#50

Toluene-d8

Concen: 49.335 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009630.D

Acq: 17 May 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

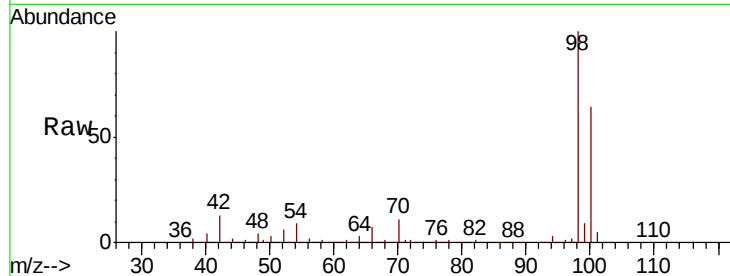
SS052MW128-190514

Tot Ion: 98 Resp: 345304

Ion Ratio Lower Upper

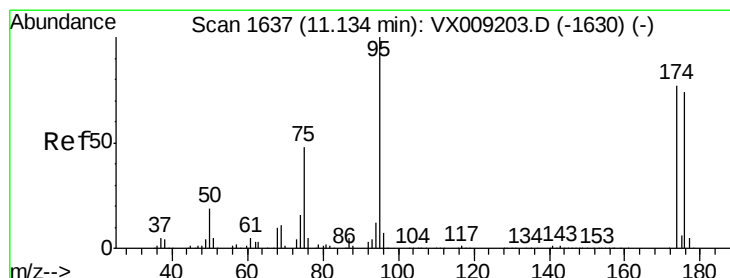
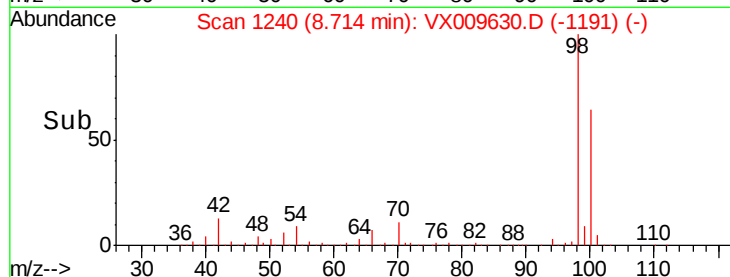
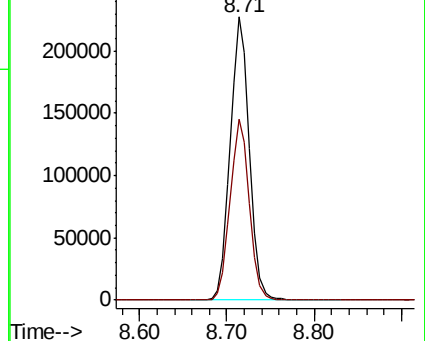
98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.001 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009630.D

Acq: 17 May 2019 00:56

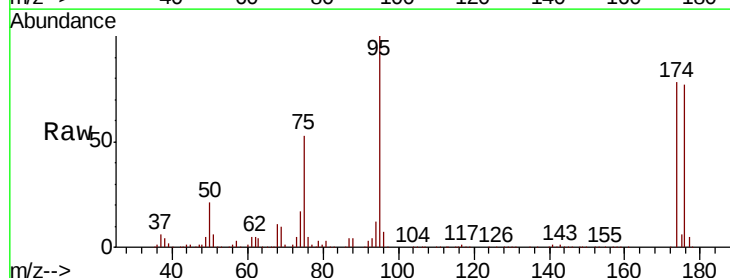
Tgt Ion: 95 Resp: 114449

Ion Ratio Lower Upper

95 100

174 82.6 0.0 161.6

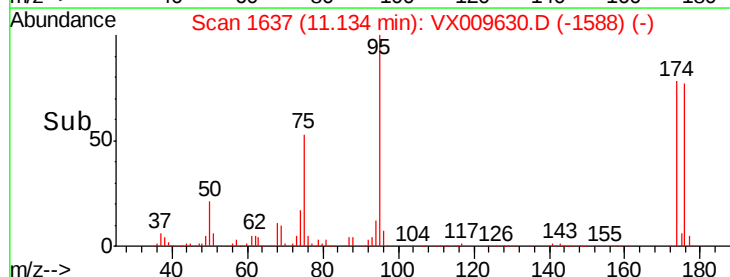
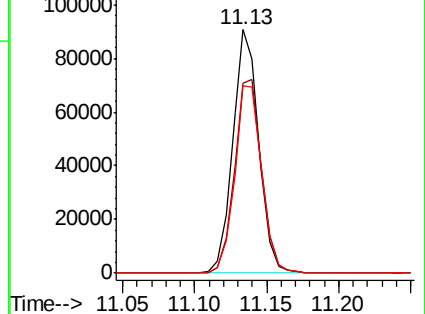
176 79.8 0.0 159.2

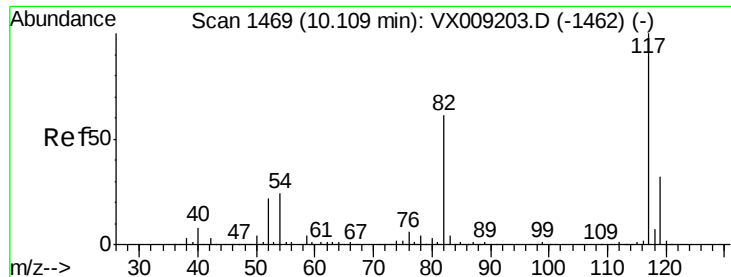


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

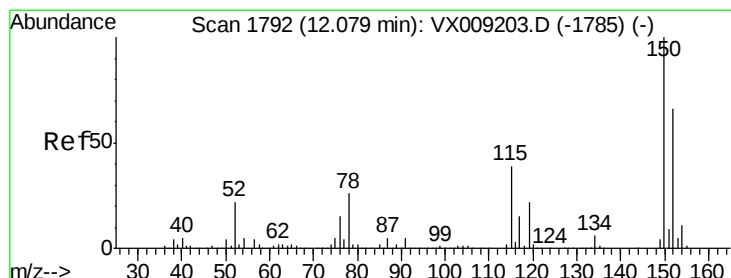
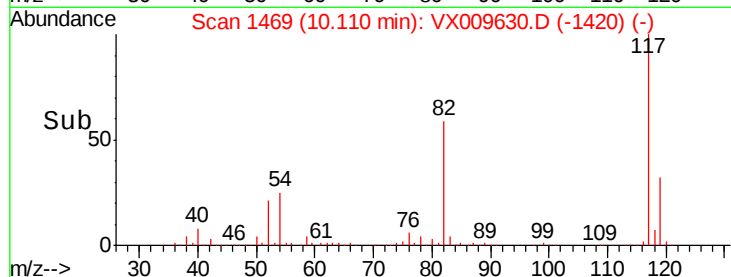
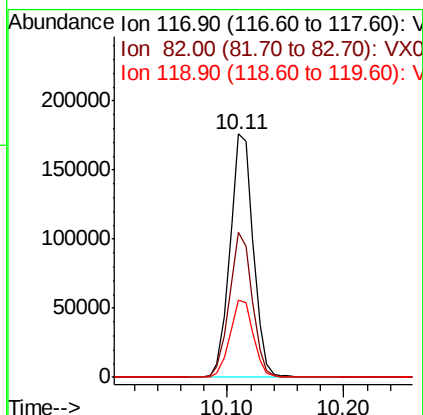
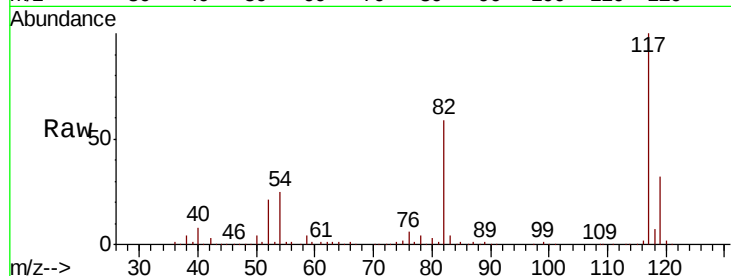




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009630.D
Acq: 17 May 2019 00:56

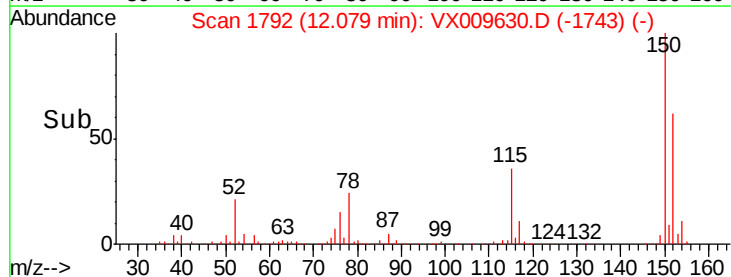
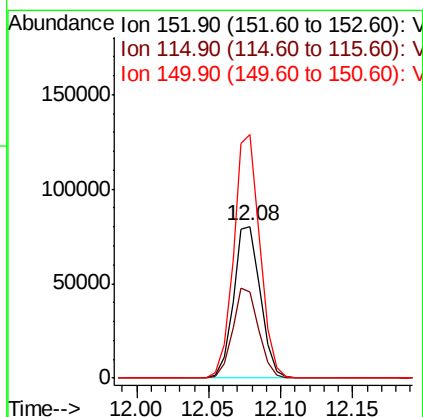
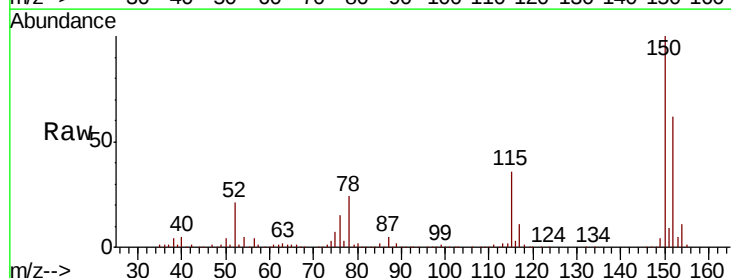
Instrument :
MSVOA_X
ClientSampleId :
SS052MW128-190514

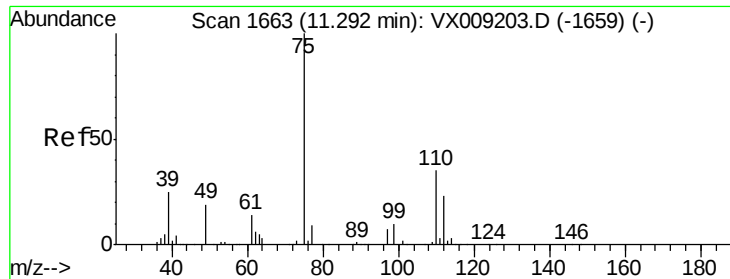
Tot Ion:117 Resp: 244335
Ion Ratio Lower Upper
117 100
82 59.4 48.8 73.2
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009630.D
Acq: 17 May 2019 00:56

Tgt Ion:152 Resp: 104302
Ion Ratio Lower Upper
152 100
115 58.0 41.2 123.6
150 157.2 0.0 346.4

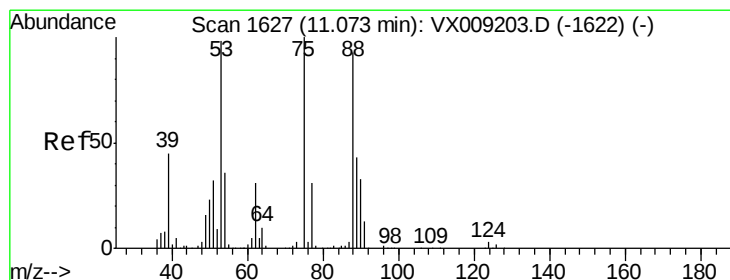
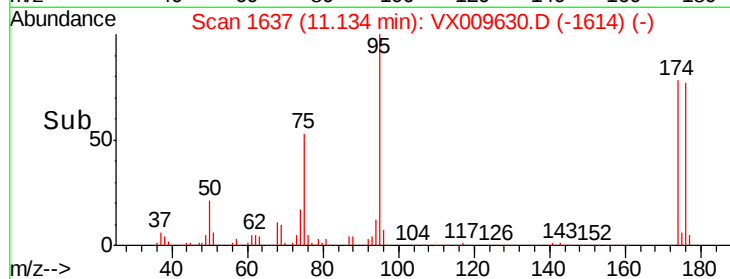
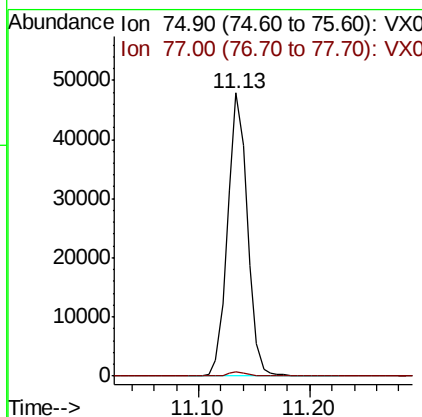
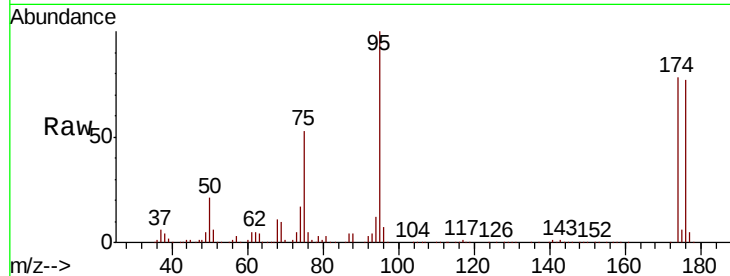




#76
 1,2,3-Trichloropropane
 Concen: 24.300 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009630.D
 Acq: 17 May 2019 00:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW128-190514

Tot Ion: 75 Resp: 58792
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.175 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009630.D
 Acq: 17 May 2019 00:56

Tgt Ion: 75 Resp: 58792
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.0 34.7 52.1#

