

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050319\
 Data File : VX009315.D
 Acq On : 03 May 2019 17:27
 Operator : JC/SP
 Sample : K2662-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW506-190430

Quant Time: May 03 23:18:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	192343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	309665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	269403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110358	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	128813	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	5.49	113	94528	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	8.71	98	385961	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.13	95	126624	44.34	ug/l	0.00
Spiked Amount			Recovery	=	88.68%	

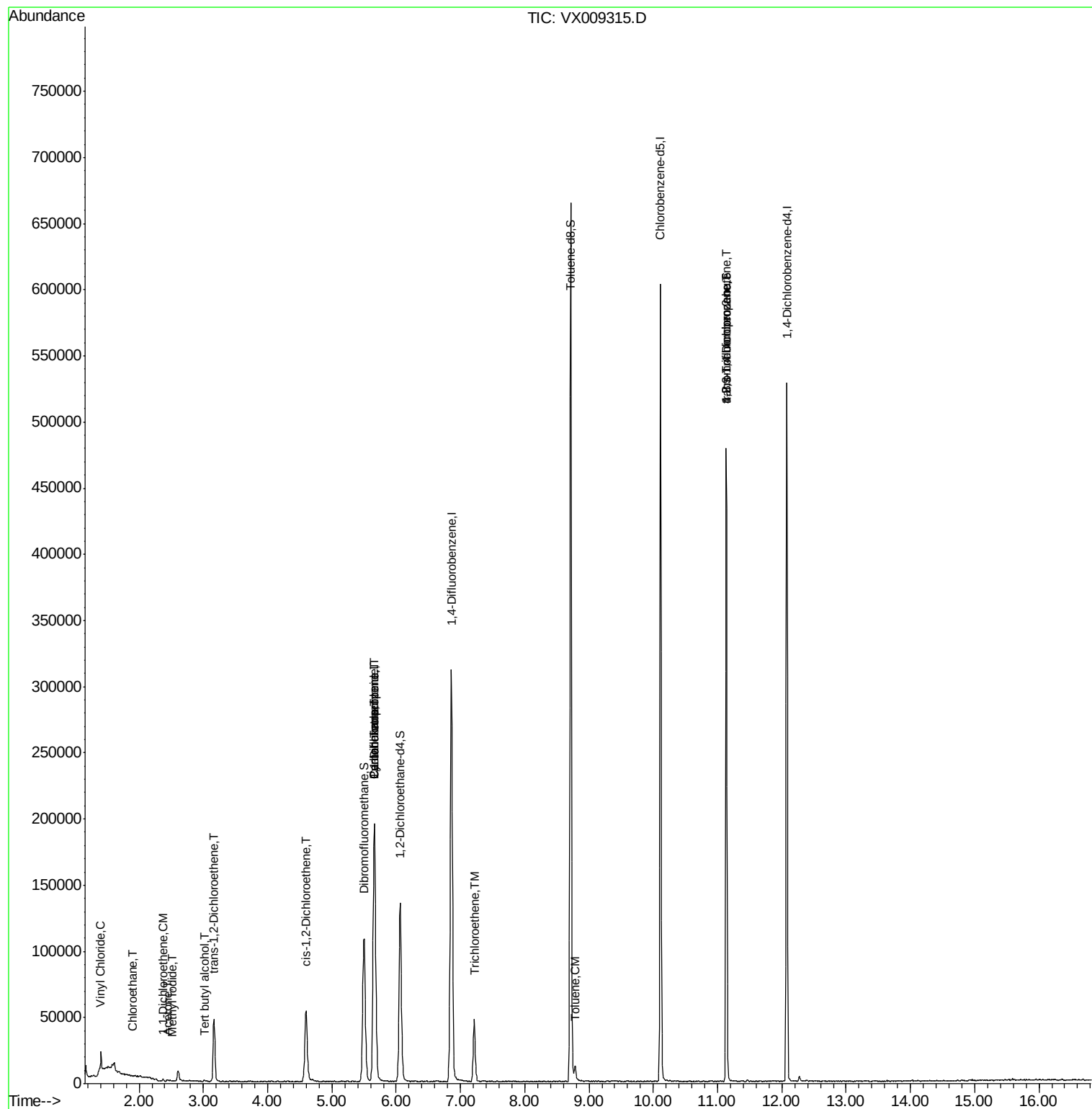
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	9795	4.151	ug/l #	80
6) Chloroethane	1.90	64	508	0.335	ug/l #	43
10) Methyl Iodide	2.52	142	181	4.672	ug/l #	42
11) Tert butyl alcohol	3.01	59	540	0.888	ug/l #	86
12) 1,1-Dichloroethene	2.37	96	369	0.204	ug/l #	67
16) Acetone	2.44	43	1449	1.028	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	18754	9.582	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	33647	14.403	ug/l	90
28) Bromochloromethane	4.99	49	19	Below Cal	#	20
31) Cyclohexane	5.66	56	4328	1.115	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15308	5.319	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17911	6.850	ug/l #	15
44) Trichloroethene	7.21	130	18100	8.407	ug/l	96
52) Toluene	8.79	92	3505	0.647	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	63669	24.872	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63669	63.637	ug/l #	10

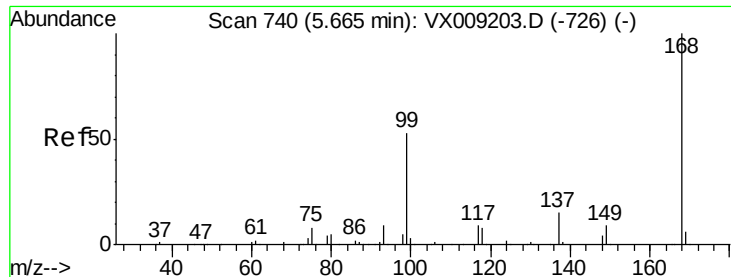
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009315.D

Acq: 03 May 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

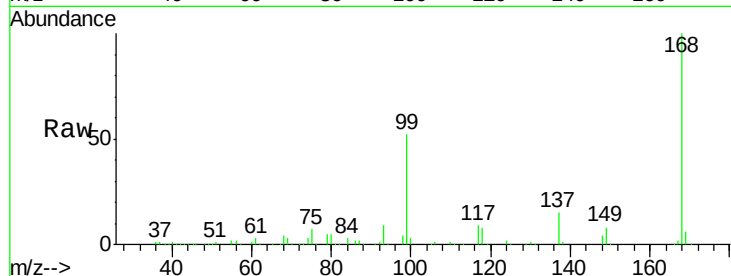
SS050MW506-190430

Tot Ion:168 Resp: 192343

Ion Ratio Lower Upper

168 100

99 51.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

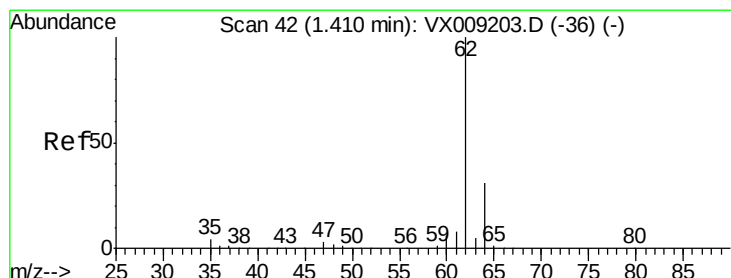
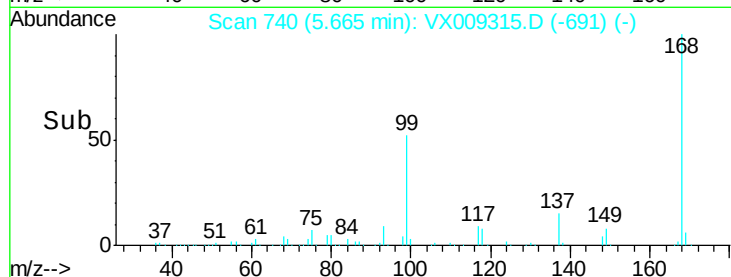
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 4.151 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009315.D

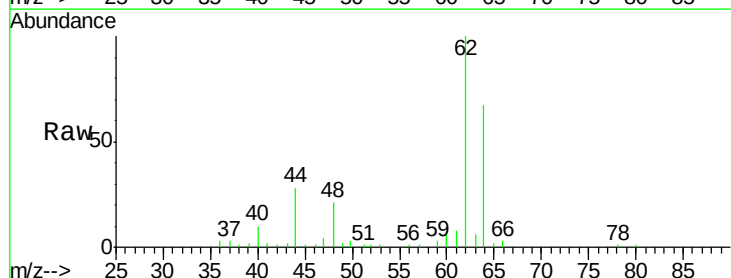
Acq: 03 May 2019 17:27

Tgt Ion: 62 Resp: 9795

Ion Ratio Lower Upper

62 100

64 41.5 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

10000

8000

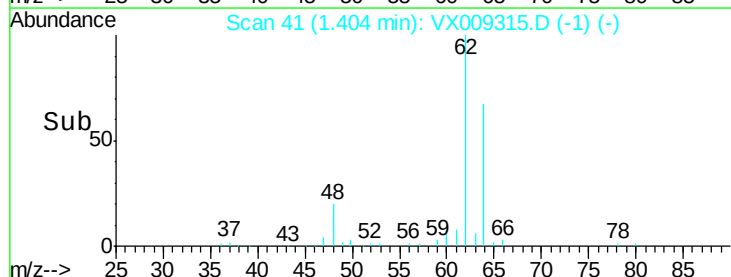
6000

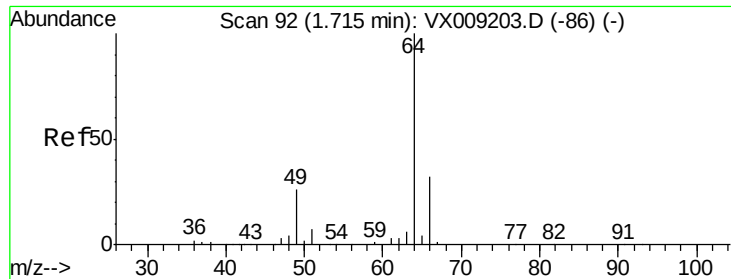
4000

2000

0

Time--> 1.35 1.40 1.45 1.50





#6

Chloroethane

Concen: 0.335 ug/l

RT: 1.90 min Scan# 123

Delta R.T. 0.19 min

Lab File: VX009315.D

Acq: 03 May 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

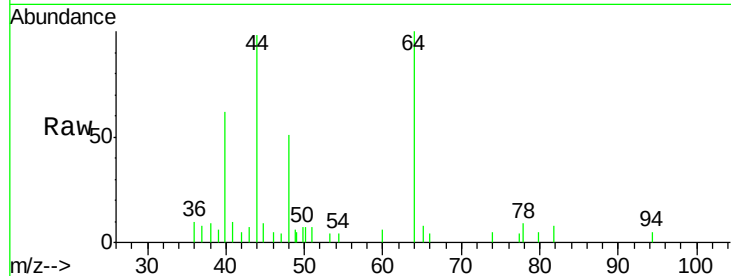
SS050MW506-190430

Tot Ion: 64 Resp: 508

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.90

1500

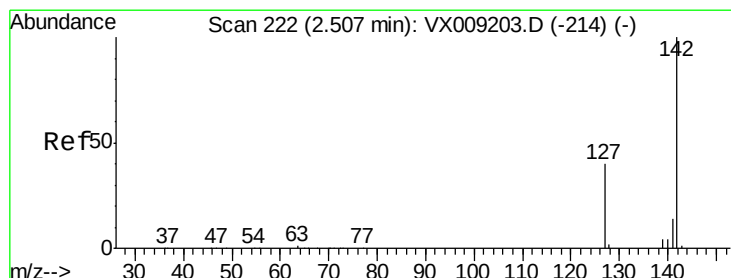
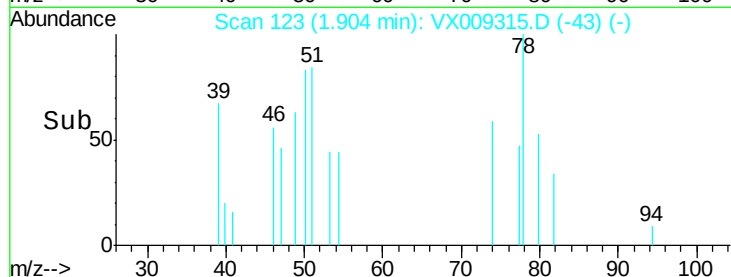
1000

500

0

1.88 1.90 1.92 1.94

Time-->



#10

Methyl Iodide

Concen: 4.672 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009315.D

Acq: 03 May 2019 17:27

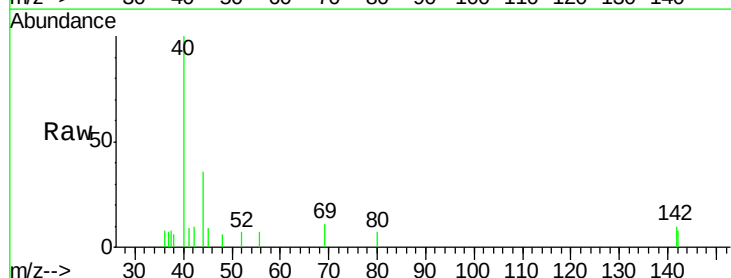
Tgt Ion: 142 Resp: 181

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.52

200

150

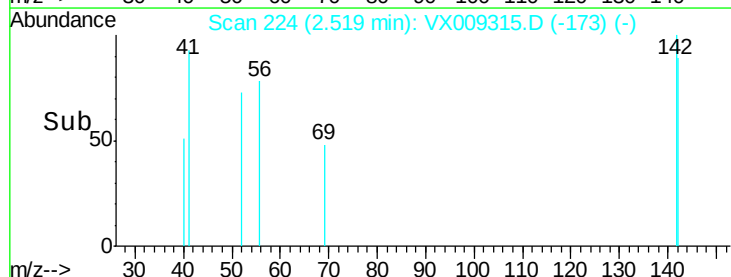
100

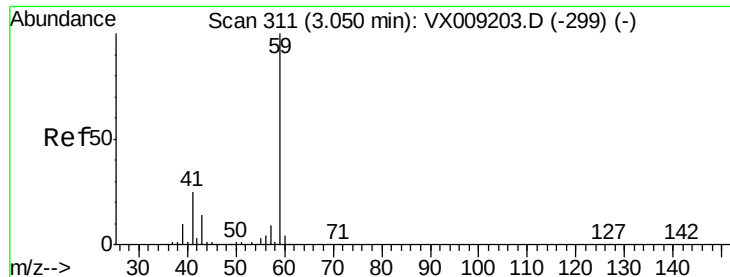
50

0

2.50 2.55

Time-->

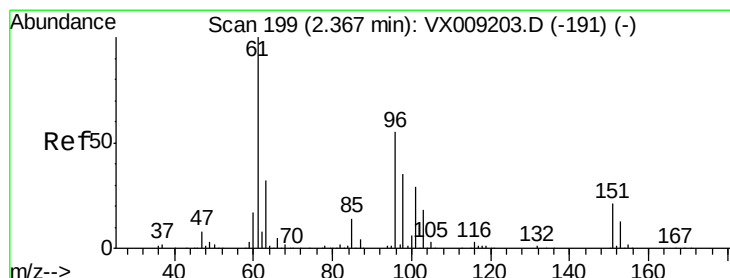
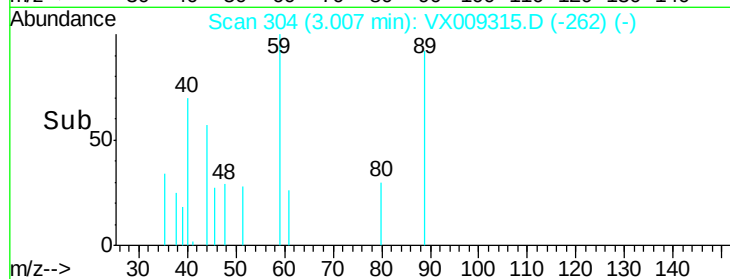
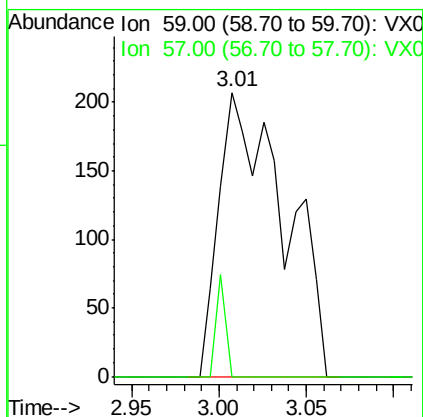
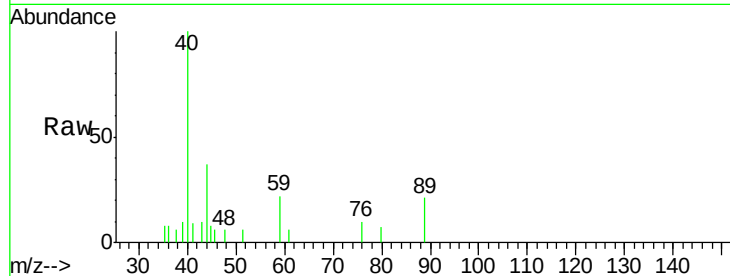




#11
Tert butyl alcohol
Concen: 0.888 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.04 min
Lab File: VX009315.D
Acq: 03 May 2019 17:27

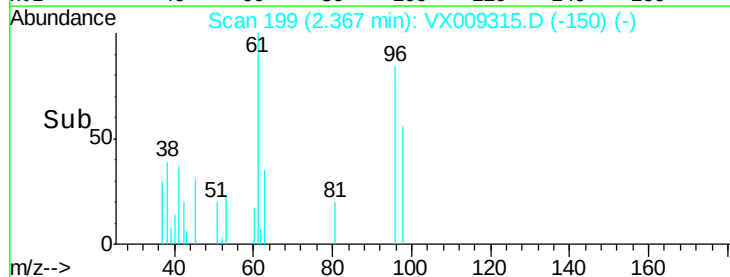
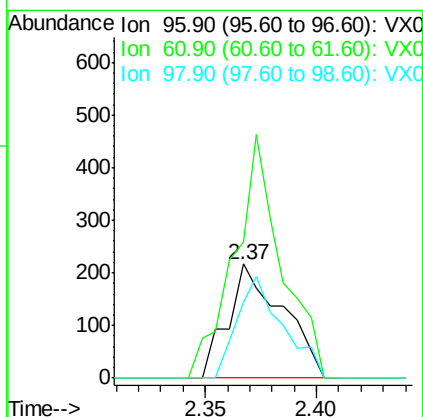
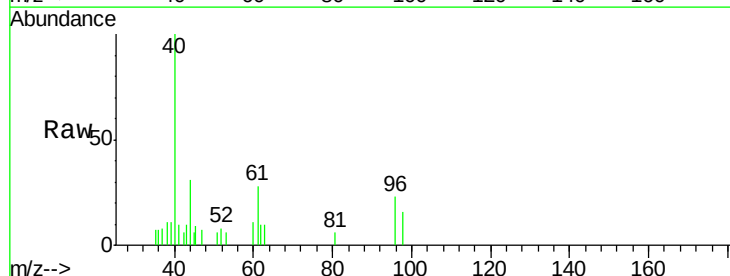
Instrument :
MSVOA_X
ClientSampleId :
SS050MW506-190430

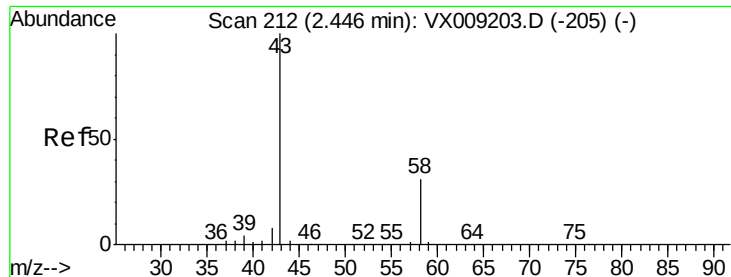
Tot Ion: 59 Resp: 540
Ion Ratio Lower Upper
59 100
57 5.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.204 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009315.D
Acq: 03 May 2019 17:27

Tgt Ion: 96 Resp: 369
Ion Ratio Lower Upper
96 100
61 119.4 144.3 216.5#
98 66.4 50.3 75.5





#16

Acetone

Concen: 1.028 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009315.D

Acq: 03 May 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

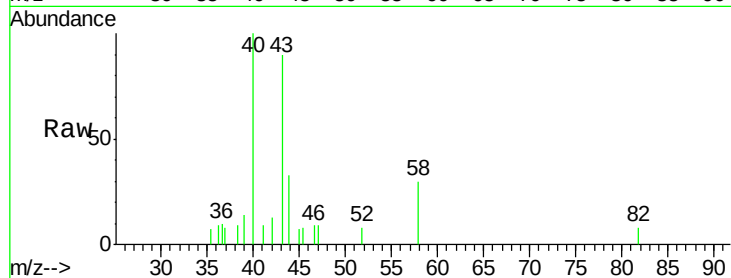
SS050MW506-190430

Tot Ion: 43 Resp: 1449

Ion Ratio Lower Upper

43 100

58 33.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

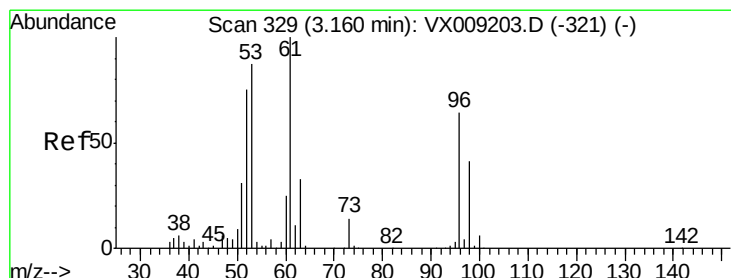
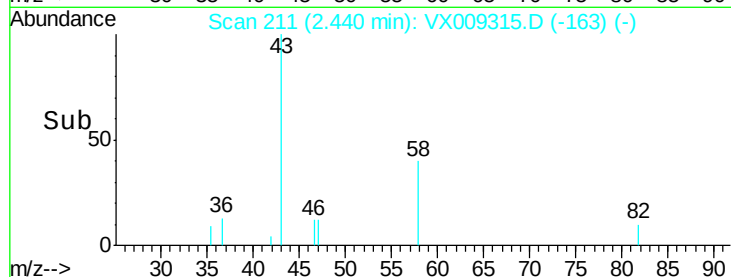
600

400

200

0

Time--> 2.35 2.40 2.45 2.50



#21

trans-1,2-Dichloroethene

Concen: 9.582 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009315.D

Acq: 03 May 2019 17:27

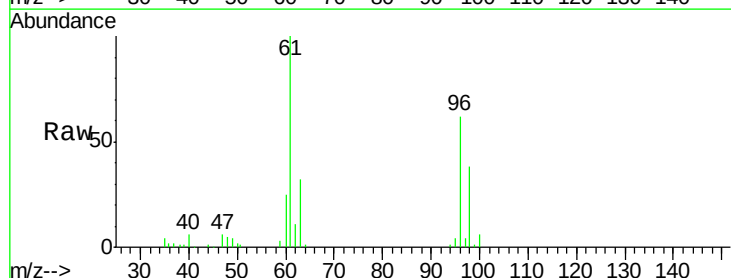
Tgt Ion: 96 Resp: 18754

Ion Ratio Lower Upper

96 100

61 161.6 124.5 186.7

98 62.0 50.4 75.6



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

20000

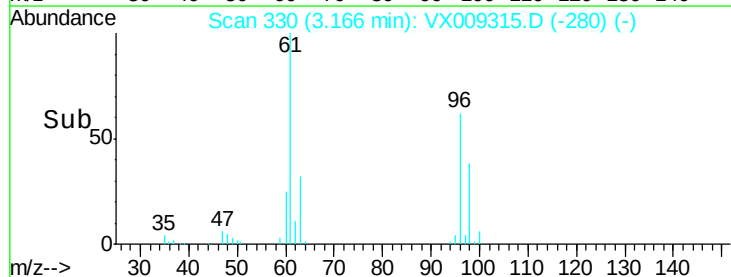
15000

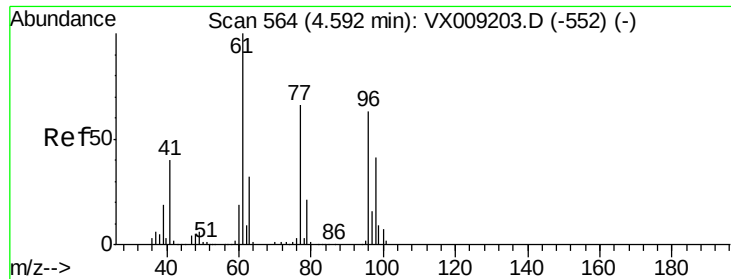
10000

5000

0

Time--> 3.10 3.20 3.30



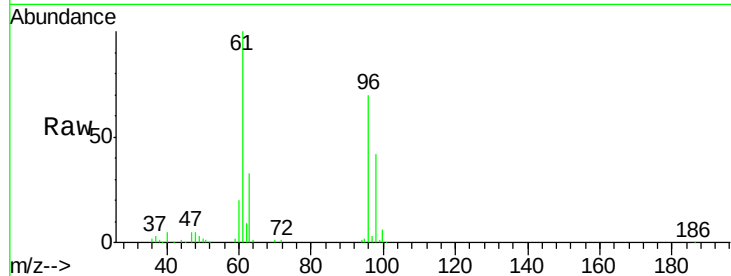


#27

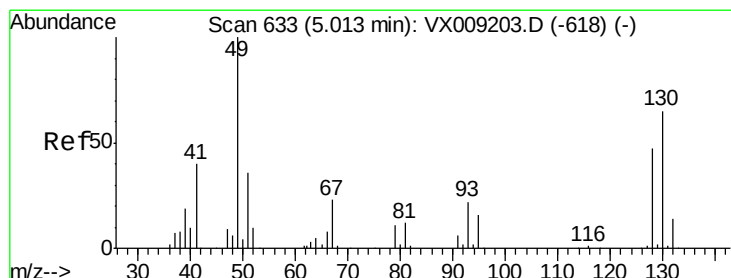
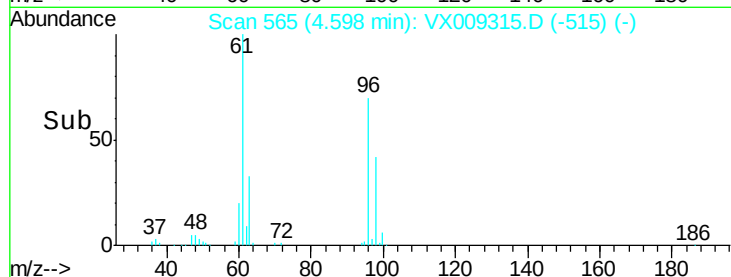
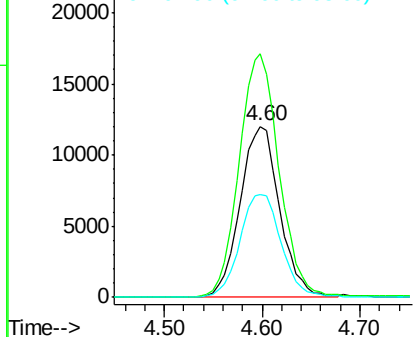
cis-1,2-Dichloroethene
Concen: 14.403 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009315.D
Acq: 03 May 2019 17:27

Instrument :
MSVOA_X
ClientSampleId :
SS050MW506-190430

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	324.0
98	63.0	0.0	130.4



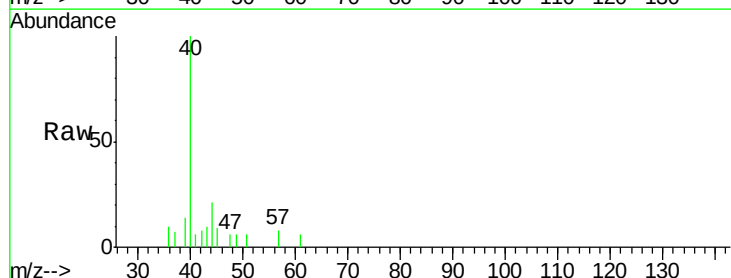
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



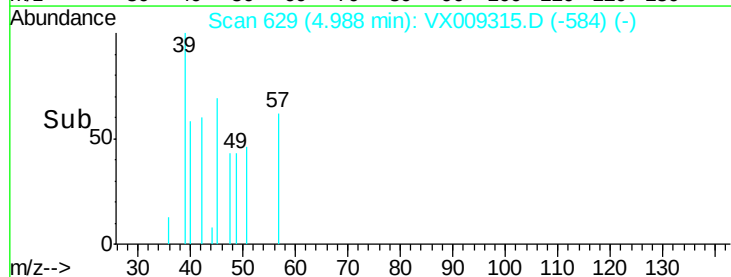
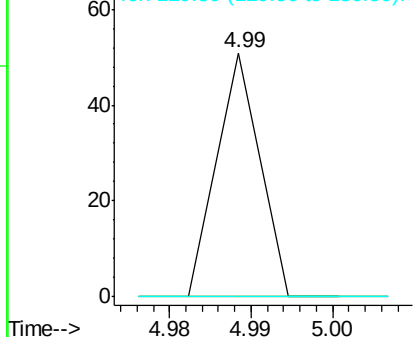
#28

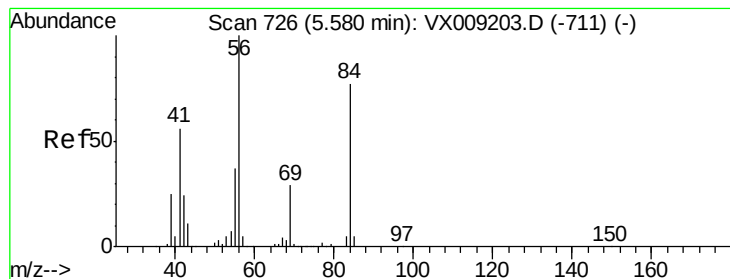
Bromochloromethane
Concen: Below Cal
RT: 4.99 min Scan# 629
Delta R.T. -0.02 min
Lab File: VX009315.D
Acq: 03 May 2019 17:27

Tgt 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: 1.115 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009315.D

Acq: 03 May 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

SS050MW506-190430

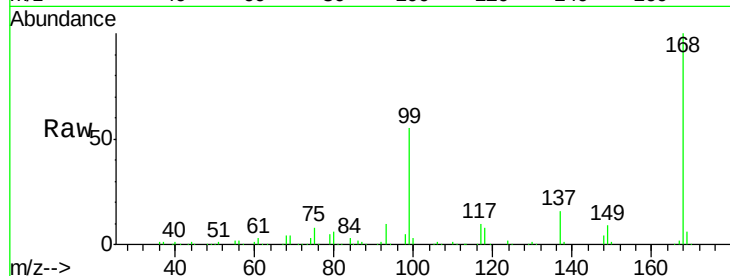
Tot Ion: 56 Resp: 4328

Ion Ratio Lower Upper

56 100

69 164.9 23.4 35.0#

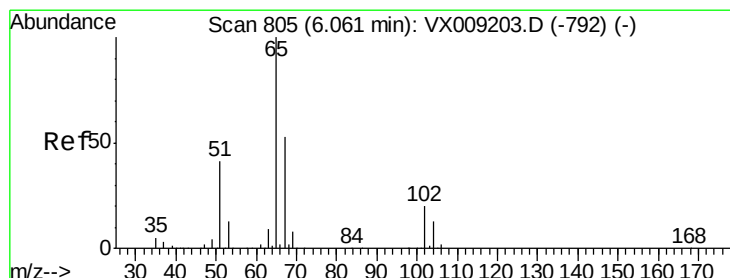
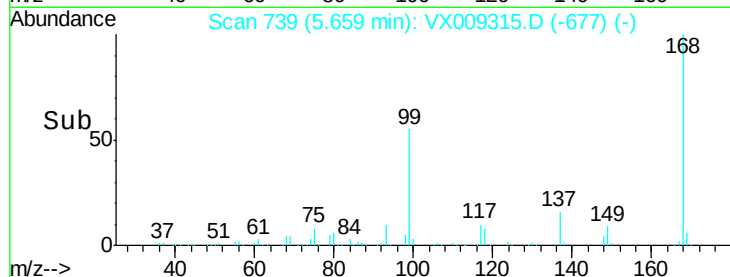
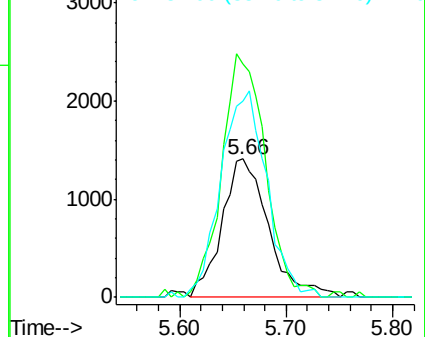
84 141.8 61.9 92.9#



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: 49.058 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009315.D

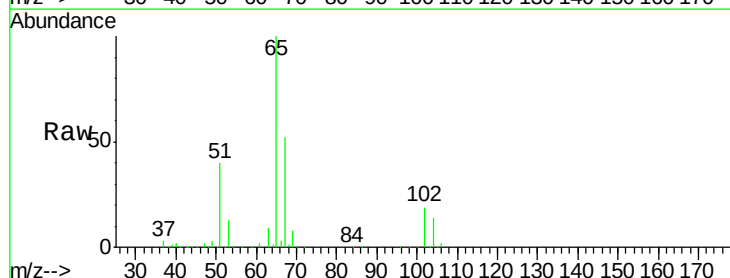
Acq: 03 May 2019 17:27

Tgt Ion: 65 Resp: 128813

Ion Ratio Lower Upper

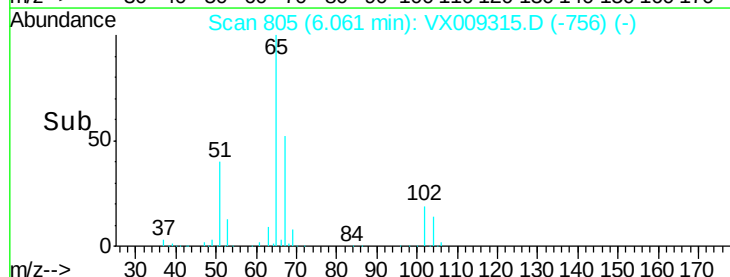
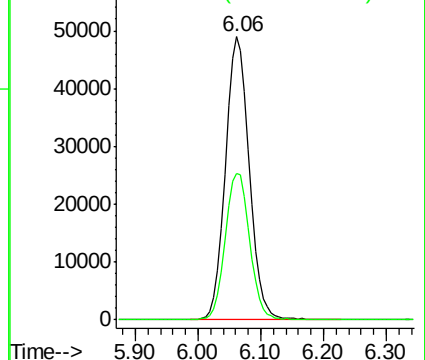
65 100

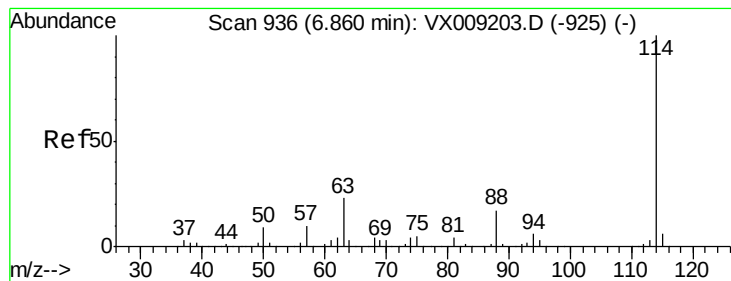
67 53.3 0.0 106.6



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: VX009315.D

Acq: 03 May 2019 17:27

Instrument :

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SS050MW506-190430

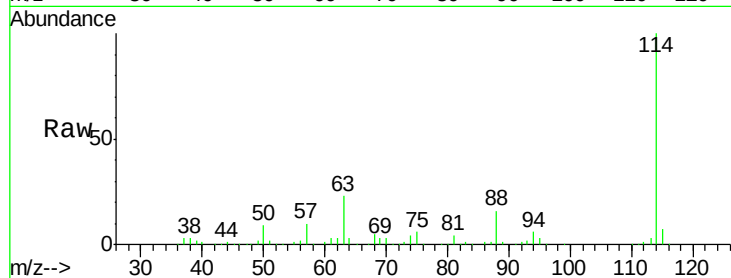
Tot Ion:114 Resp: 309665

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

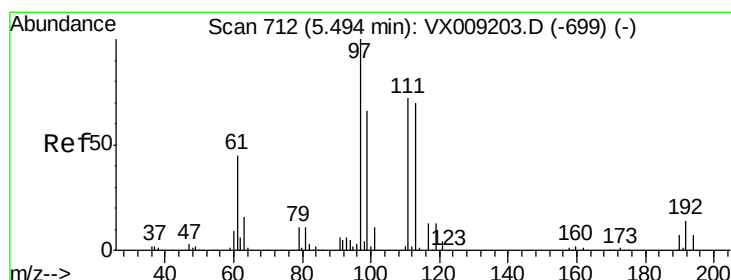
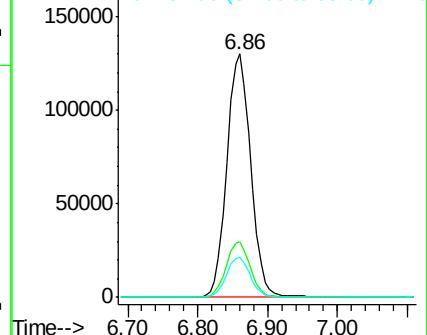
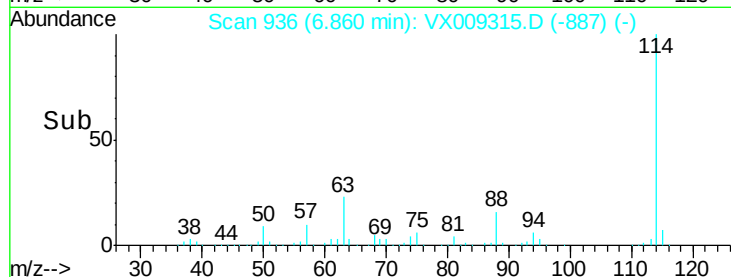
88 16.4 0.0 33.2



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: 48.559 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009315.D

Acq: 03 May 2019 17:27

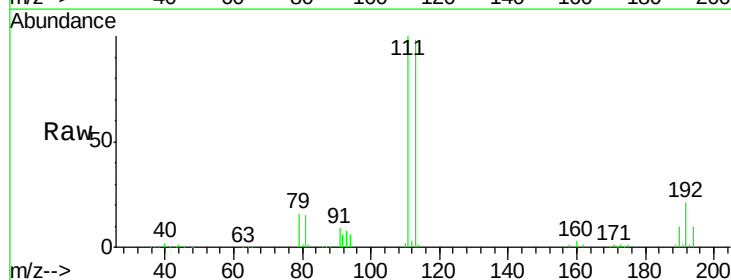
Tgt Ion:113 Resp: 94528

Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

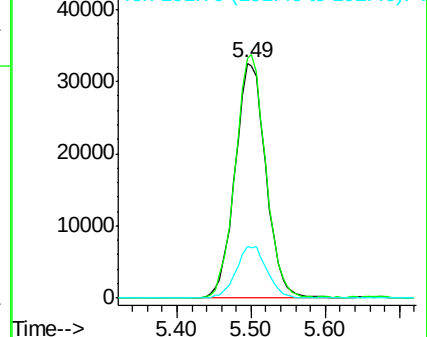
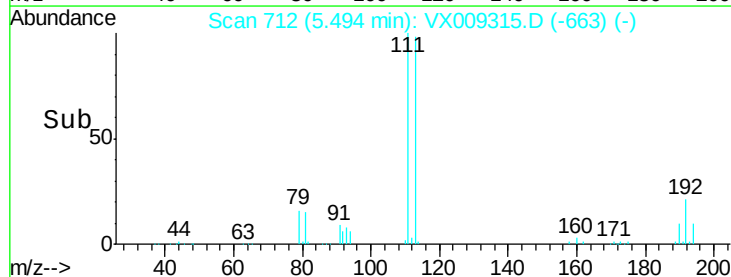
192 22.1 17.0 25.6

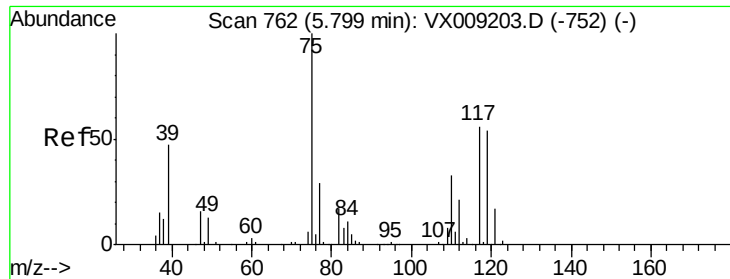


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

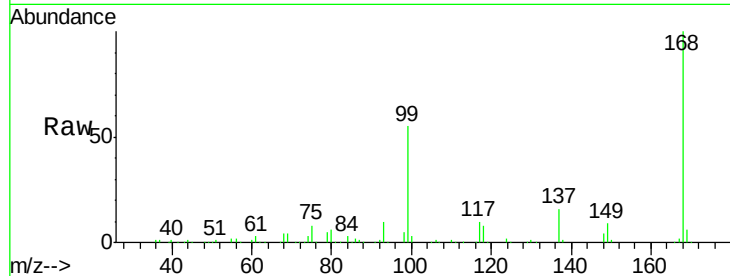




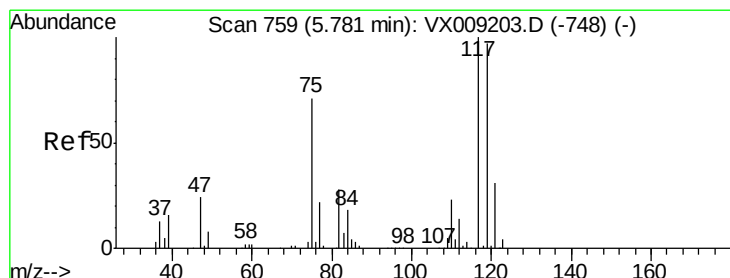
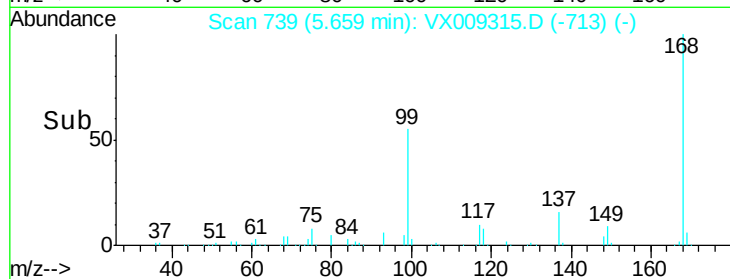
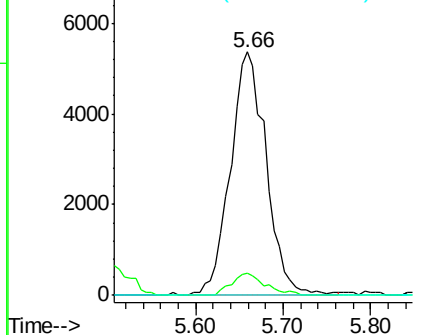
#36
 1,1-Dichloropropene
 Concen: 5.319 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009315.D
 Acq: 03 May 2019 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW506-190430

Tot Ion	75	Resp	15308
Ion Ratio	100	Lower	Upper
75	100		
110	8.5	16.9	50.6#
77	0.0	24.8	37.2#

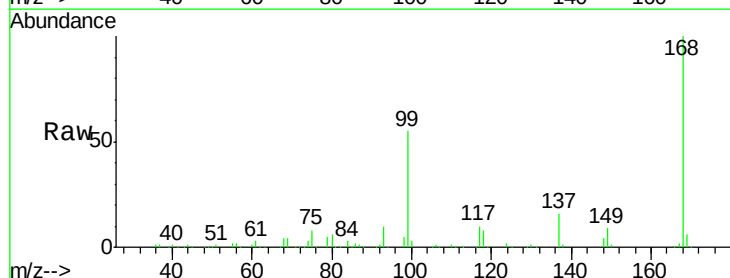


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

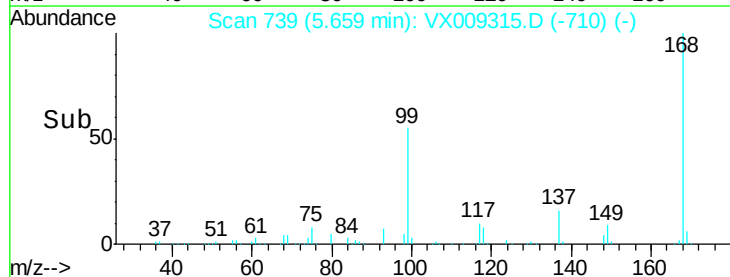
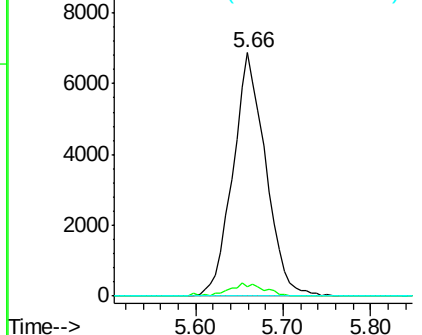


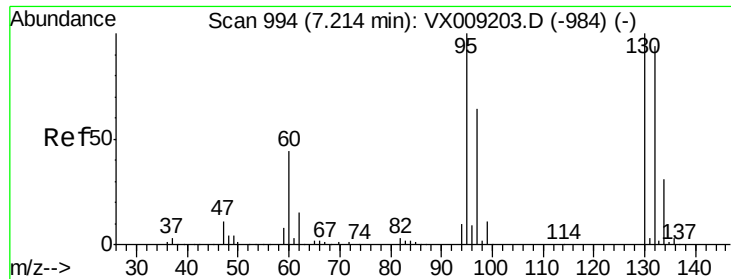
#38
 Carbon Tetrachloride
 Concen: 6.850 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009315.D
 Acq: 03 May 2019 17:27

Tgt Ion	117	Resp	17911
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	3.8	77.5	116.3#
121	0.0	24.7	37.1#



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





#44

Trichloroethene

Concen: 8.407 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009315.D

Acq: 03 May 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

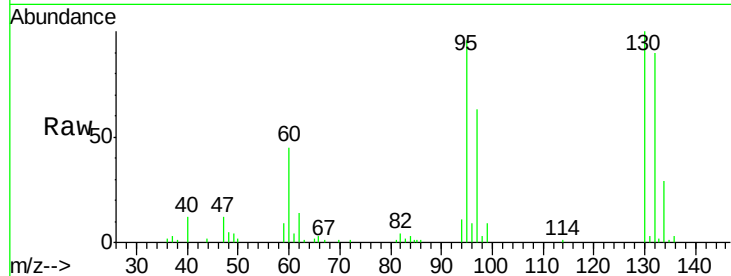
SS050MW506-190430

Tot Ion:130 Resp: 18100

Ion Ratio Lower Upper

130 100

95 95.8 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

10000

8000

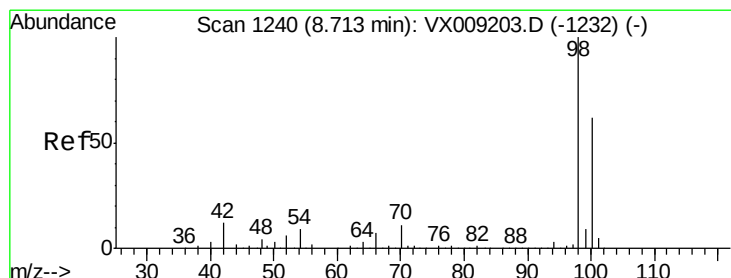
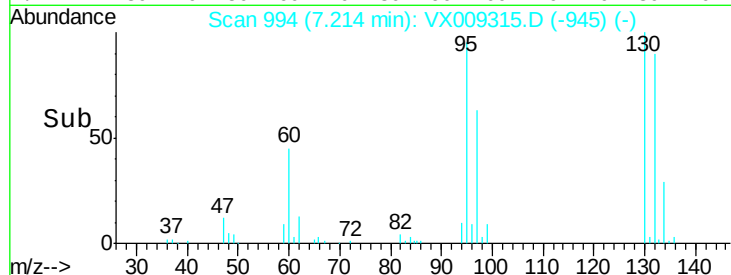
6000

4000

2000

0

Time--> 7.10 7.20 7.30



#50

Toluene-d8

Concen: 49.109 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009315.D

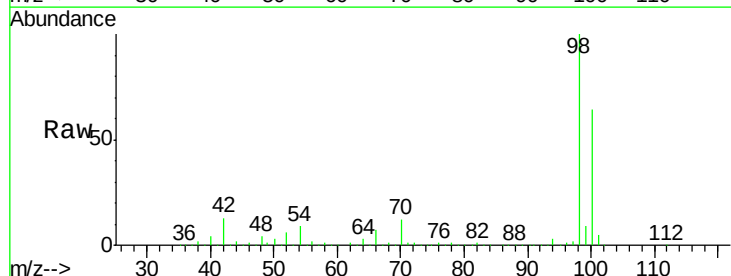
Acq: 03 May 2019 17:27

Tgt Ion: 98 Resp: 385961

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): VX0

8.71

250000

200000

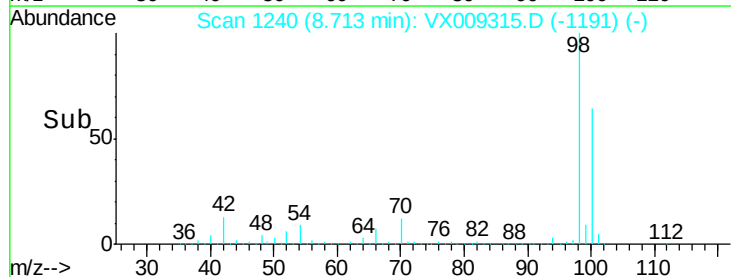
150000

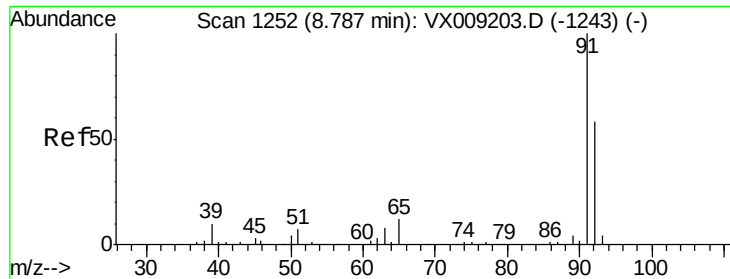
100000

50000

0

Time--> 8.60 8.70 8.80 8.90





#52

Toluene

Concen: 0.647 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009315.D

Acq: 03 May 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

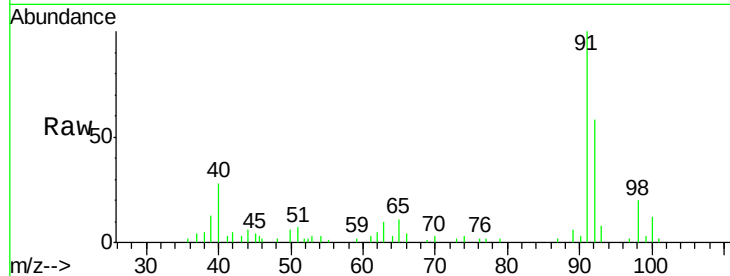
SS050MW506-190430

Tot Ion: 92 Resp: 3505

Ion Ratio Lower Upper

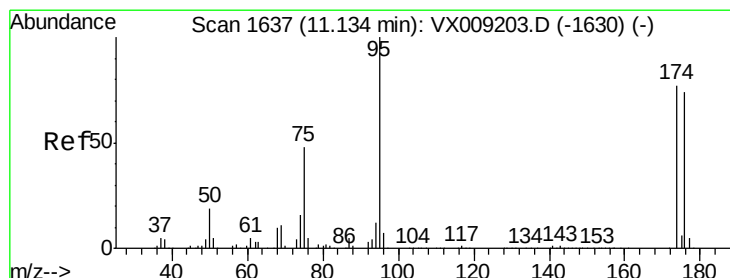
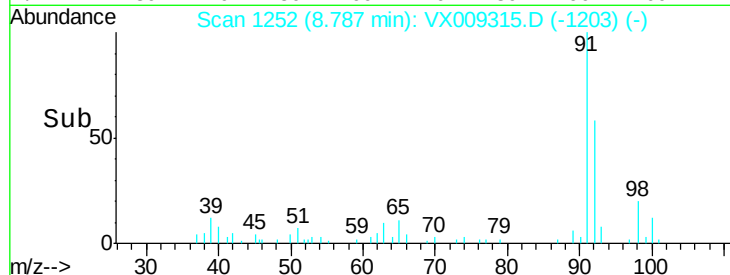
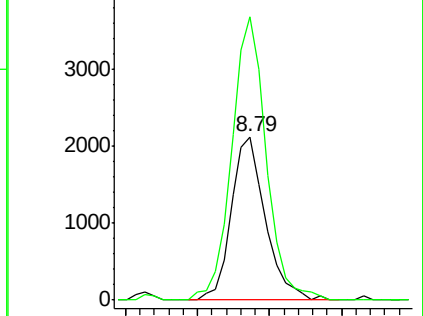
92 100

91 174.8 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.340 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009315.D

Acq: 03 May 2019 17:27

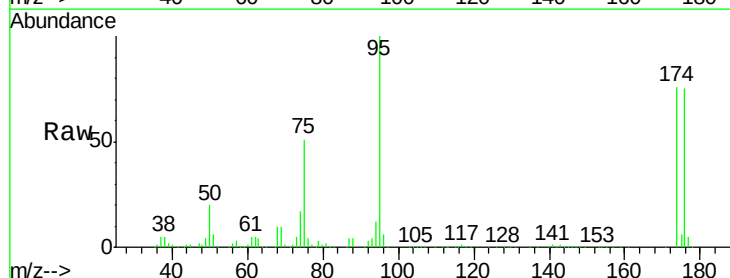
Tgt Ion: 95 Resp: 126624

Ion Ratio Lower Upper

95 100

174 80.9 0.0 161.6

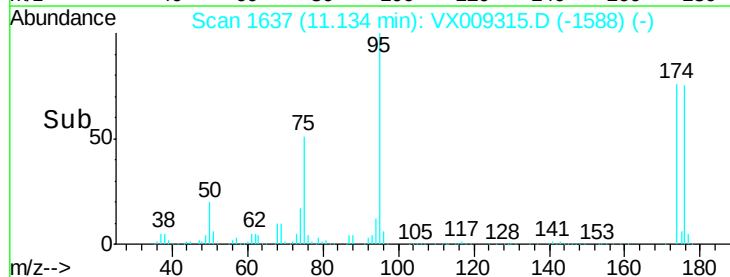
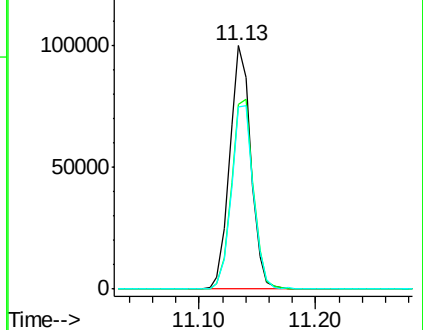
176 78.8 0.0 159.2

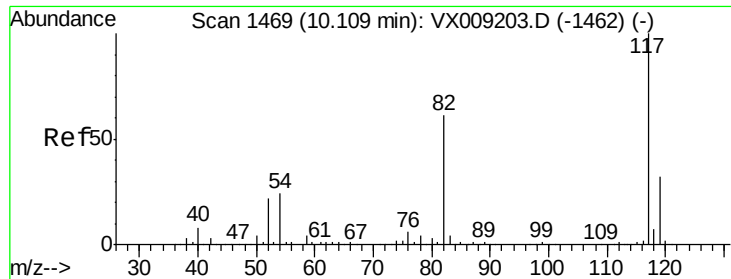


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

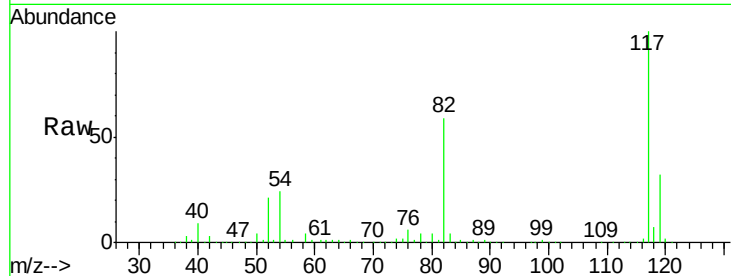




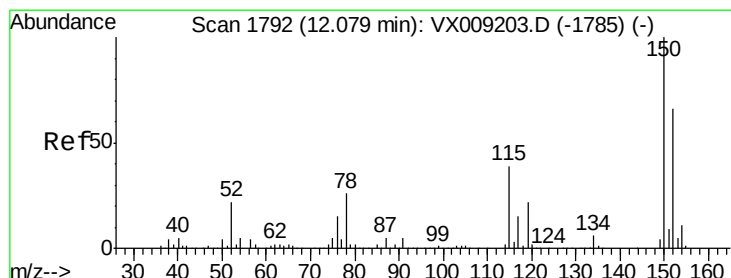
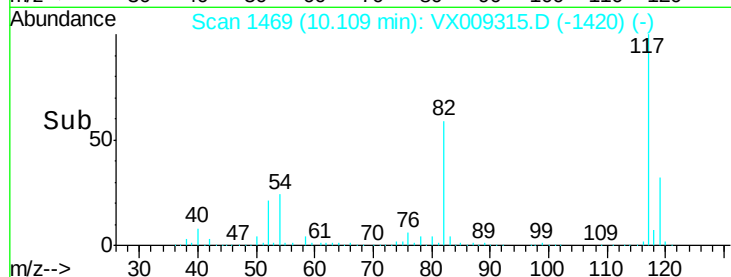
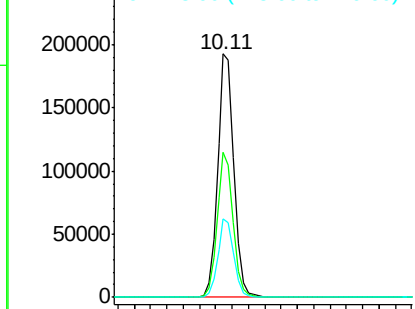
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009315.D
Acq: 03 May 2019 17:27

Instrument :
MSVOA_X
ClientSampleId :
SS050MW506-190430

Tot Ion:117 Resp: 269403
Ion Ratio Lower Upper
117 100
82 59.5 48.8 73.2
119 32.4 25.8 38.6

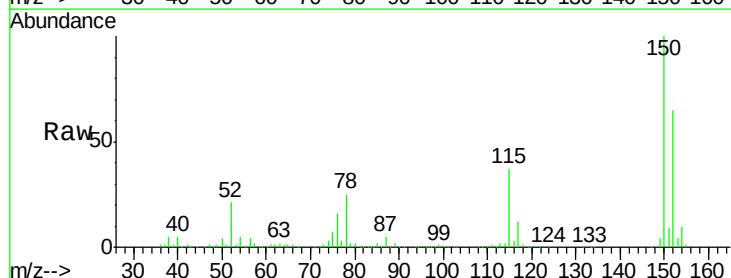


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

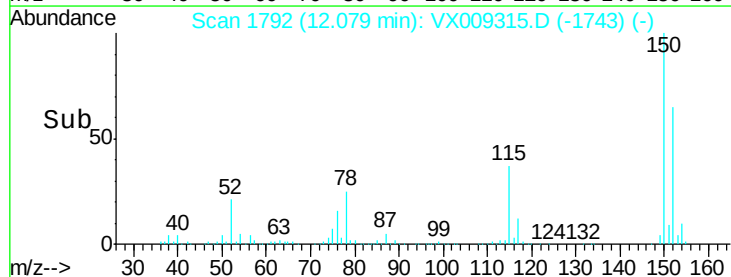
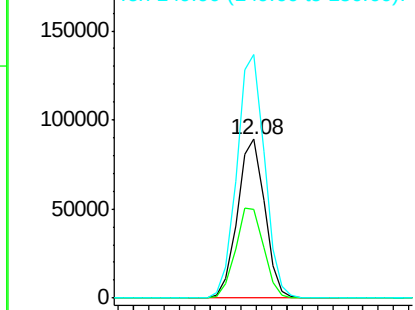


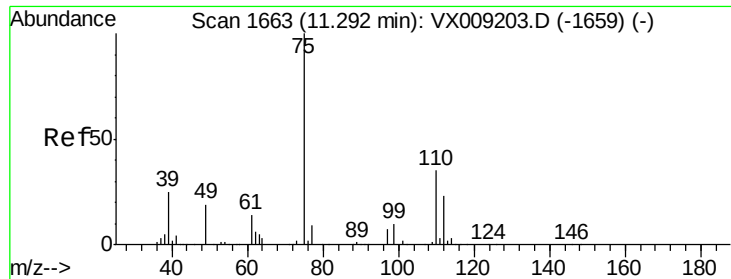
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009315.D
Acq: 03 May 2019 17:27

Tgt Ion:152 Resp: 110358
Ion Ratio Lower Upper
152 100
115 59.1 41.2 123.6
150 155.9 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: 24.872 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009315.D

Acq: 03 May 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

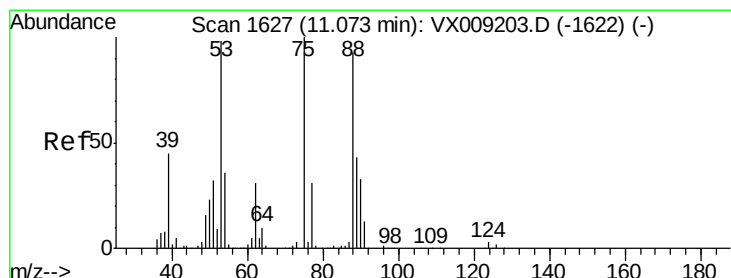
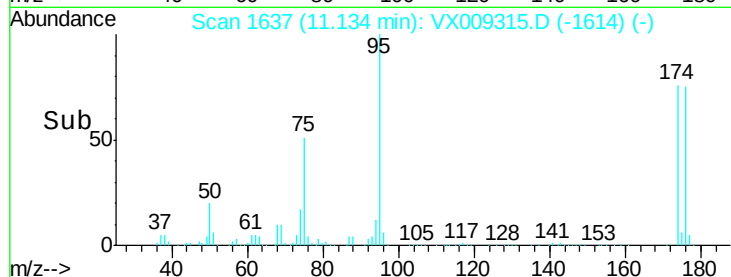
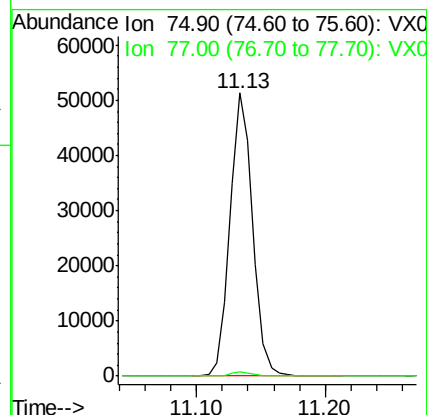
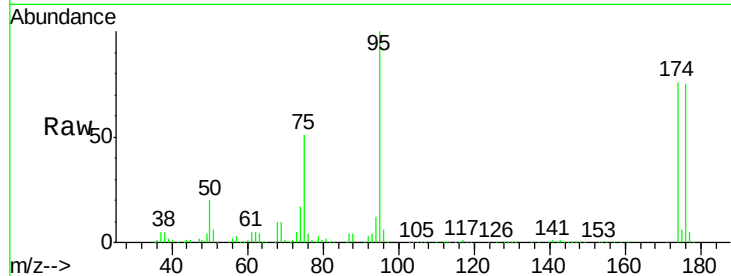
SS050MW506-190430

Tot Ion: 75 Resp: 63669

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.637 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009315.D

Acq: 03 May 2019 17:27

Tgt Ion: 75 Resp: 63669

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.1 34.7 52.1#

