

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009350.D
 Acq On : 06 May 2019 15:05
 Operator : JC/SP
 Sample : K2663-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW514-190430

Quant Time: May 07 06:35:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	190981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	308128	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	270339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118676	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	125705	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
35) Dibromofluoromethane	5.50	113	94276	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	8.71	98	388773	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.13	95	128358	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	

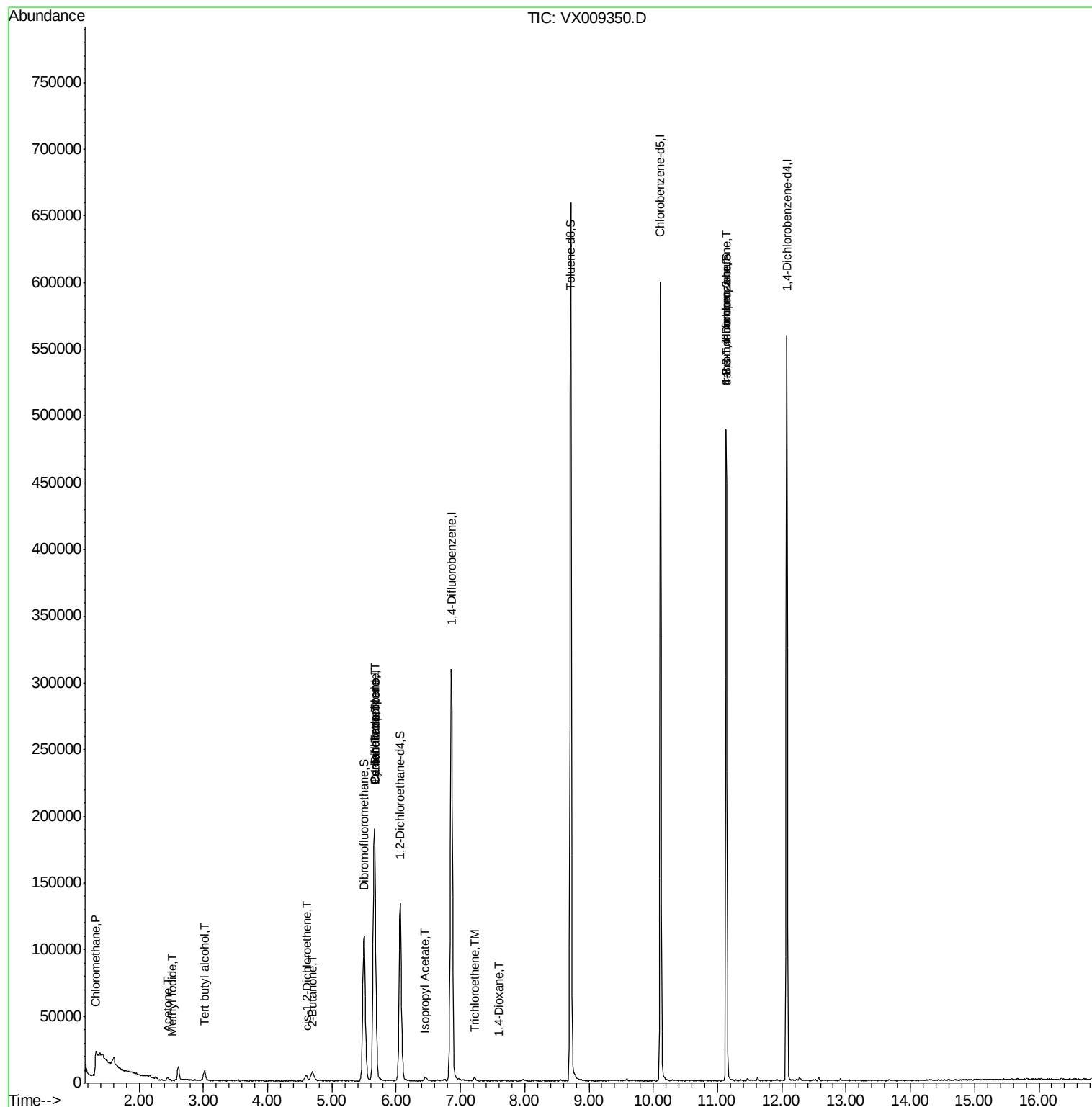
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1354	0.564	ug/l	95
10) Methyl Iodide	2.51	142	21	4.603	ug/l #	42
11) Tert butyl alcohol	3.02	59	4936	8.179	ug/l #	80
16) Acetone	2.44	43	3201	2.287	ug/l	94
25) 2-Butanone	4.70	43	891	0.410	ug/l #	65
27) cis-1,2-Dichloroethene	4.60	96	2511	1.082	ug/l	93
28) Bromochloromethane	5.02	49	50	Below Cal	#	20
31) Cyclohexane	5.67	56	4224	1.096	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14575	5.090	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17814	6.847	ug/l #	16
43) Isopropyl Acetate	6.45	43	1420	0.223	ug/l #	63
44) Trichloroethene	7.21	130	930	0.434	ug/l	83
49) 1,4-Dioxane	7.59	88	19	0.296	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65723	23.874	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65723	61.086	ug/l #	10

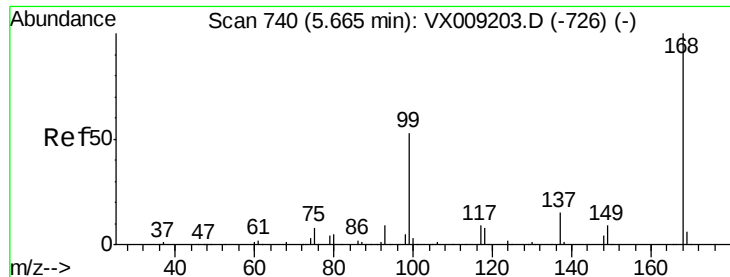
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 2019
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: VX009350.D

Acq: 06 May 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

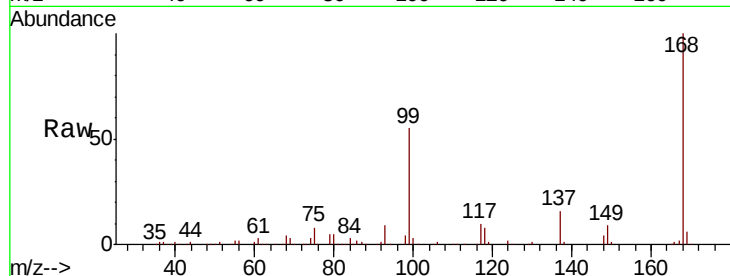
SS050MW514-190430

Tot Ion:168 Resp: 190981

Ion Ratio Lower Upper

168 100

99 54.5 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

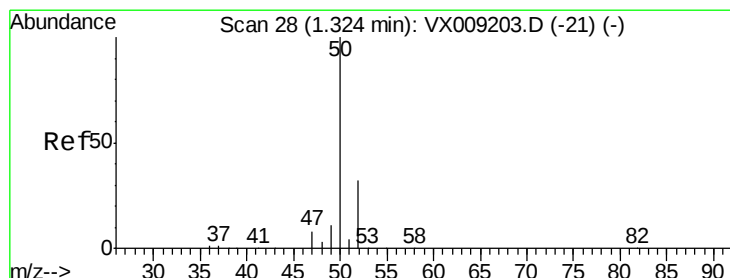
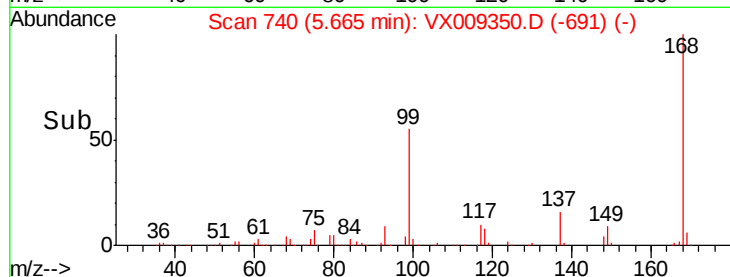
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.564 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009350.D

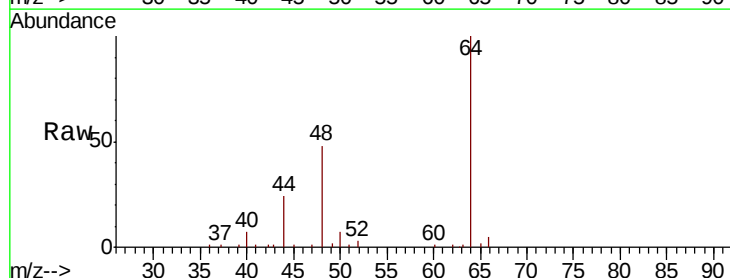
Acq: 06 May 2019 15:05

Tgt Ion: 50 Resp: 1354

Ion Ratio Lower Upper

50 100

52 29.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1000

800

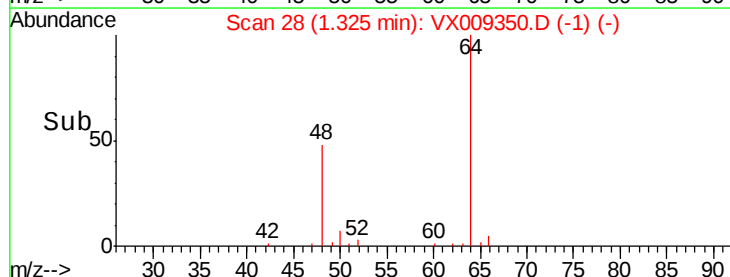
600

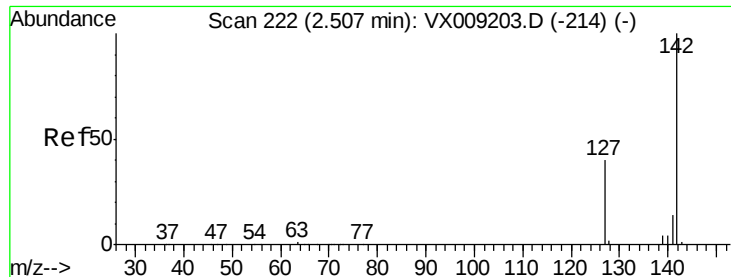
400

200

0

Time--> 1.30 1.35

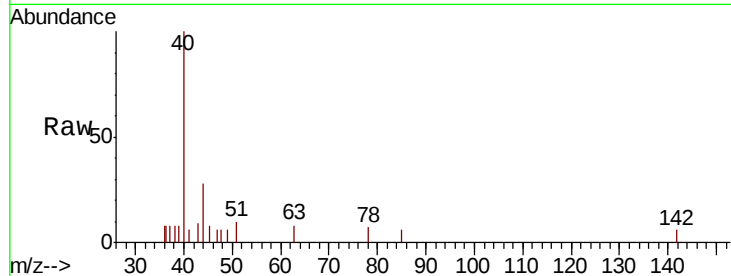




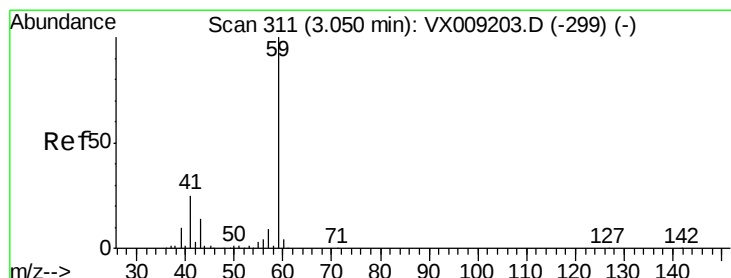
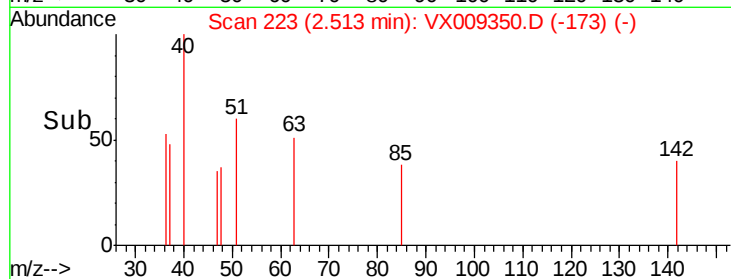
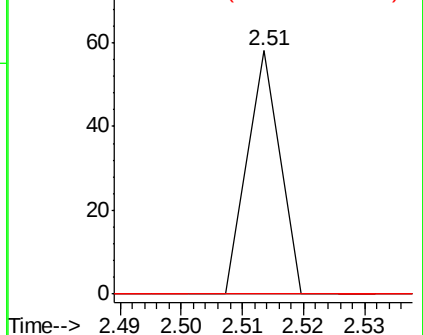
#10
Methvl Iodide
Concen: 4.603 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009350.D
Acq: 06 May 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
SS050MW514-190430

Tot Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

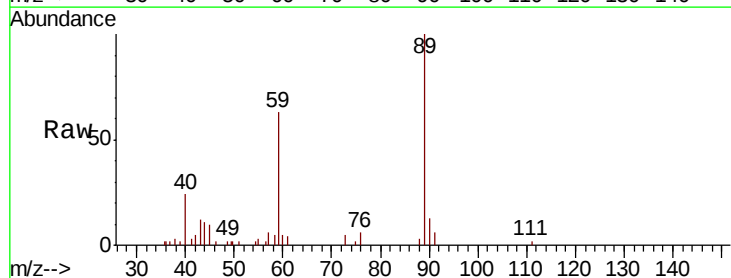


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

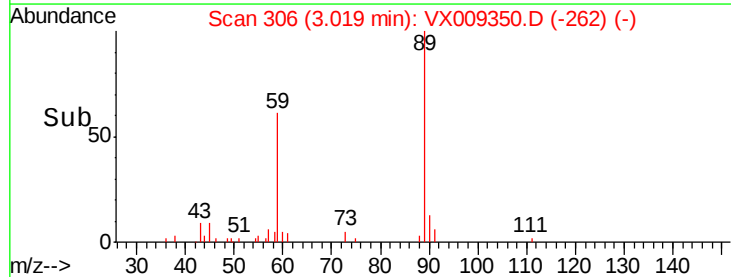
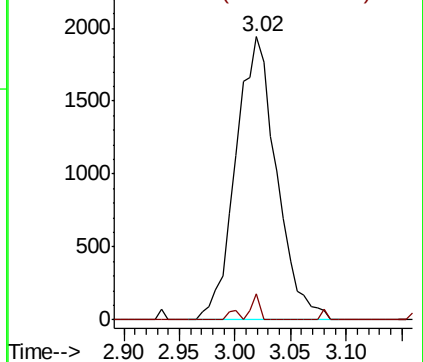


#11
Tert butyl alcohol
Concen: 8.179 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009350.D
Acq: 06 May 2019 15:05

Tgt Ion: 59 Resp: 4936
Ion Ratio Lower Upper
59 100
57 2.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.287 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009350.D

Acq: 06 May 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

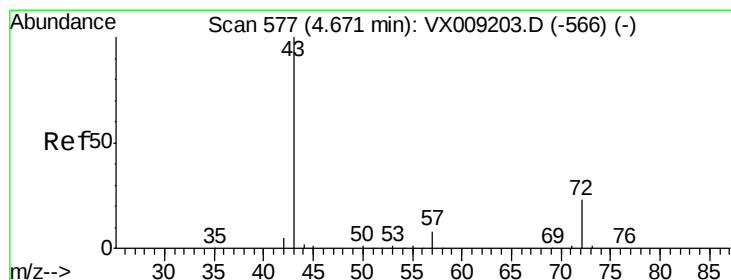
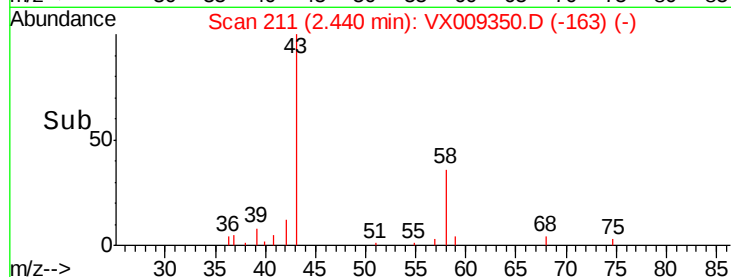
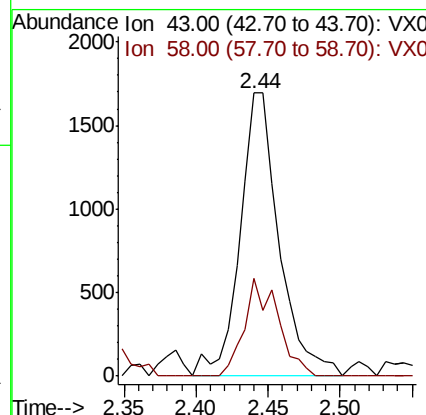
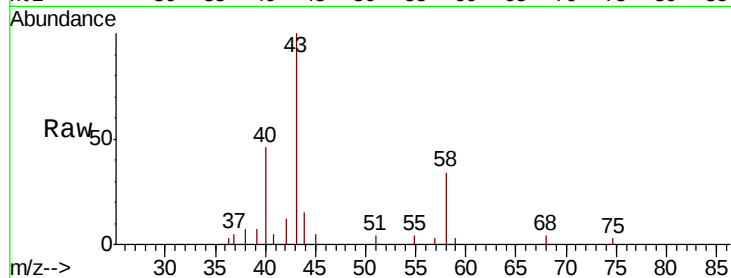
SS050MW514-190430

Tot Ion: 43 Resp: 3201

Ion Ratio Lower Upper

43 100

58 34.4 24.9 37.3



#25

2-Butanone

Concen: 0.410 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009350.D

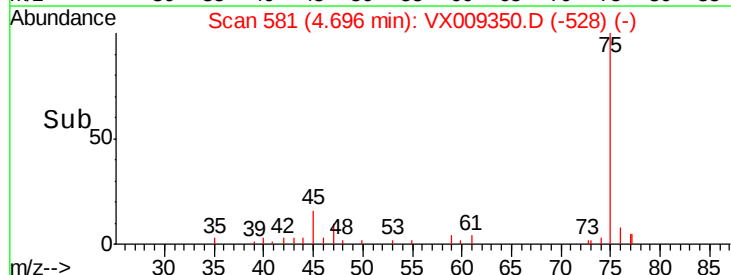
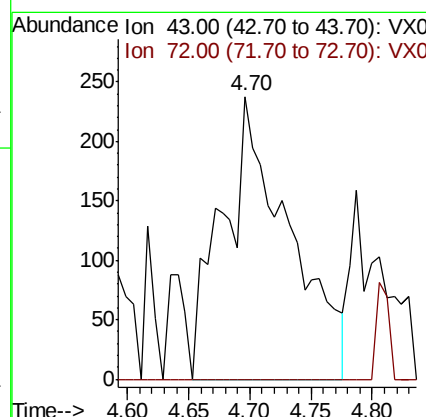
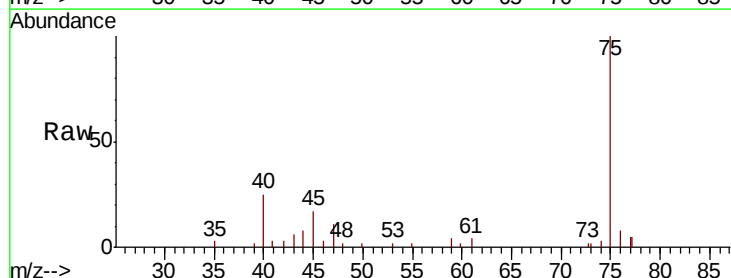
Acq: 06 May 2019 15:05

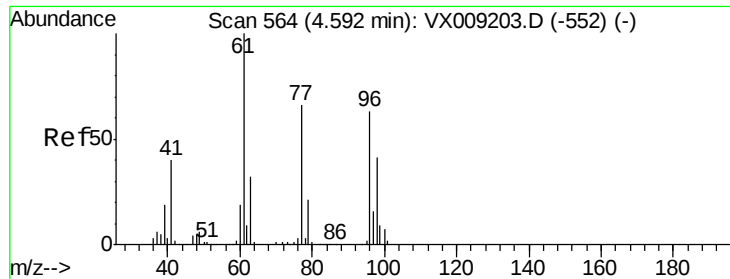
Tgt Ion: 43 Resp: 891

Ion Ratio Lower Upper

43 100

72 39.5 18.2 27.2#



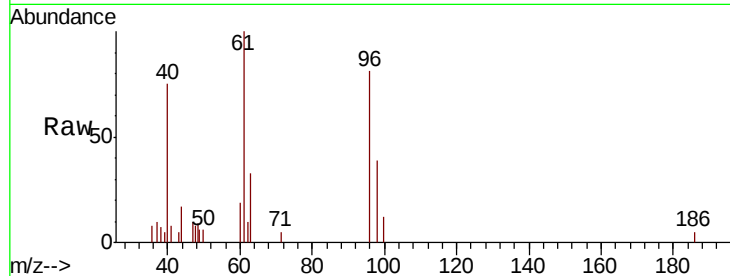


#27

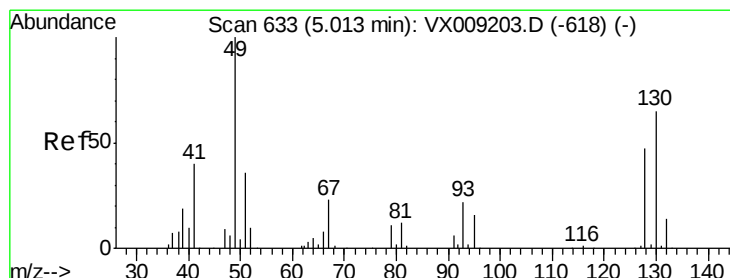
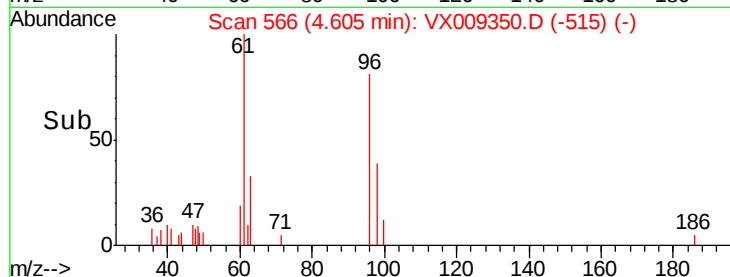
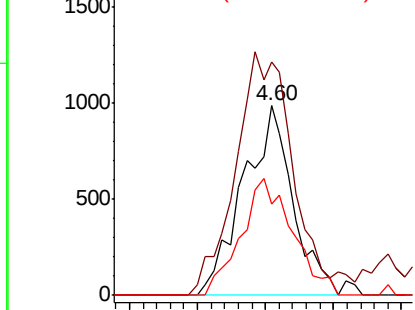
cis-1,2-Dichloroethene
 Concen: 1.082 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX009350.D
 Acq: 06 May 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW514-190430

Tot Ion: 96 Resp: 2511
 Ion Ratio Lower Upper
 96 100
 61 150.3 0.0 324.0
 98 64.2 0.0 130.4



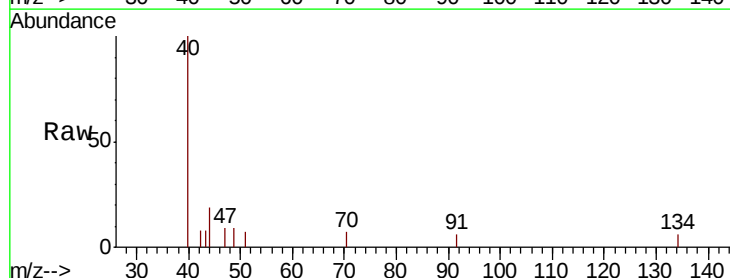
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



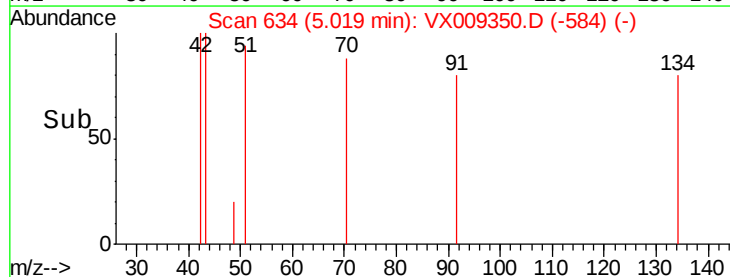
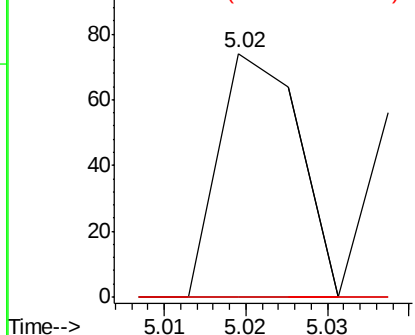
#28

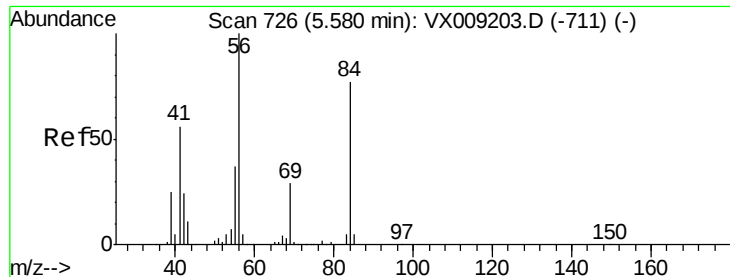
Bromochloromethane
 Concen: Below Cal
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX009350.D
 Acq: 06 May 2019 15:05

Tgt Ion: 49 Resp: 50
 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

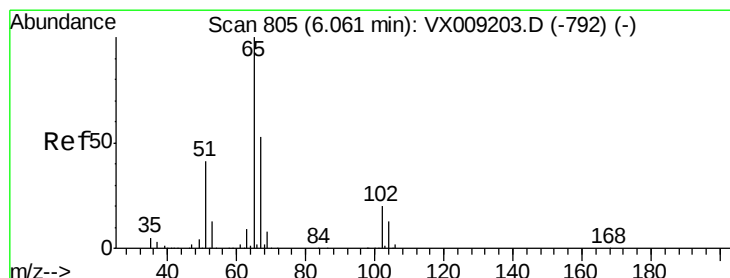
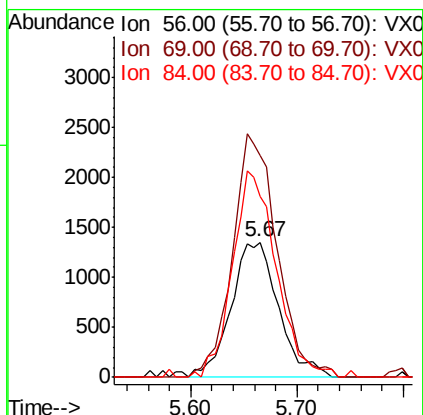
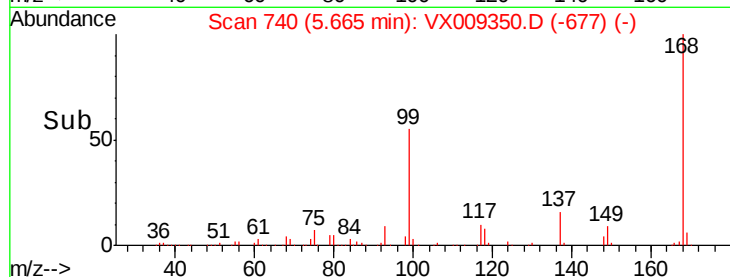
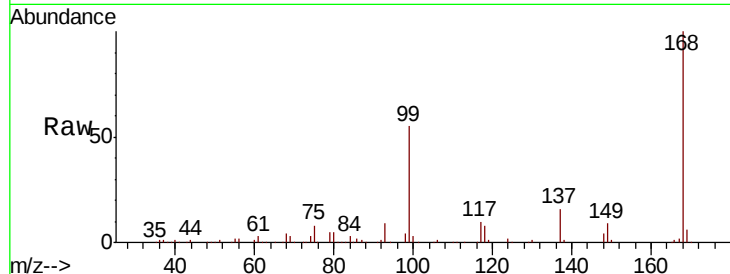




#31
Cyclohexane
Concen: 1.096 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009350.D
Acq: 06 May 2019 15:05

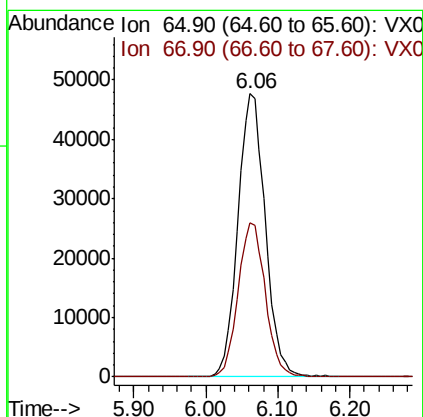
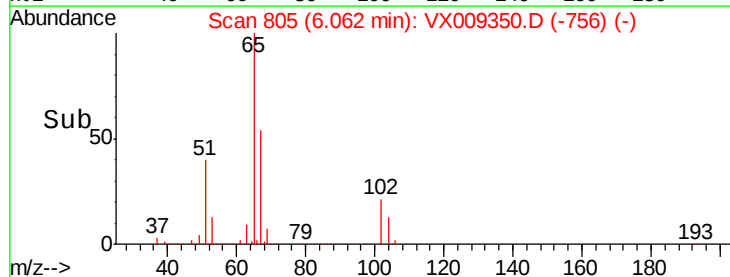
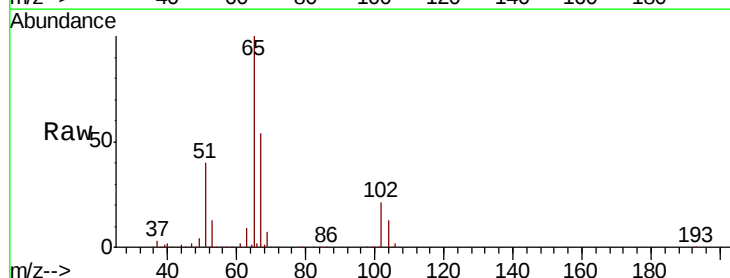
Instrument :
MSVOA_X
ClientSampleId :
SS050MW514-190430

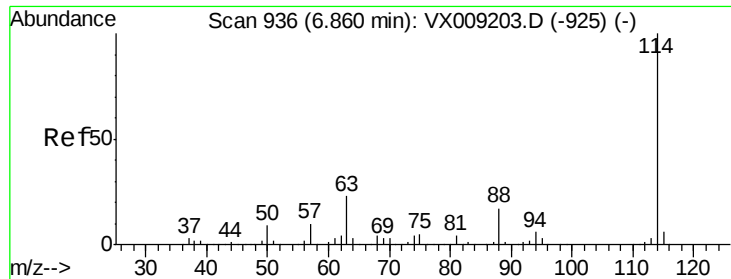
Tot Ion: 56 Resp: 4224
Ion Ratio Lower Upper
56 100
69 164.0 23.4 35.0#
84 134.2 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 48.216 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009350.D
Acq: 06 May 2019 15:05

Tgt Ion: 65 Resp: 125705
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.6

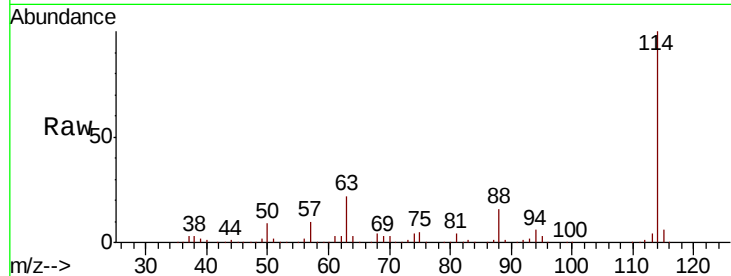




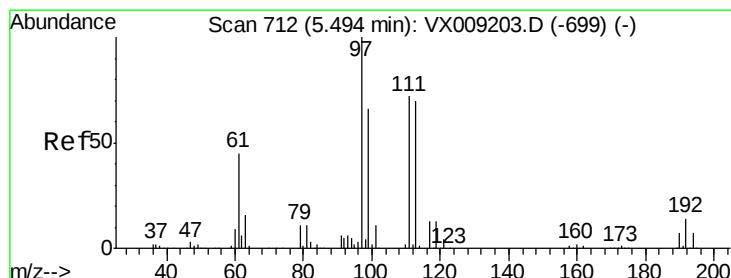
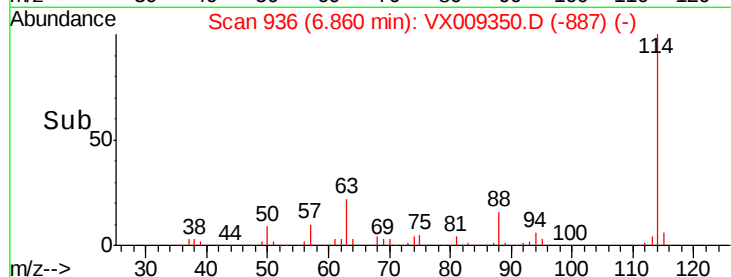
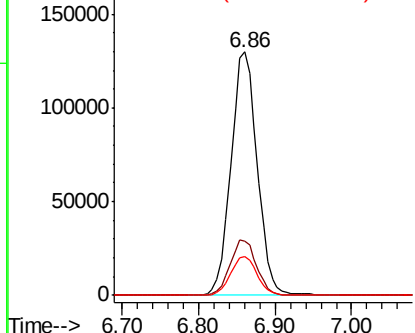
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009350.D
 Acq: 06 May 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW514-190430

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.6
88	15.7	0.0	33.2

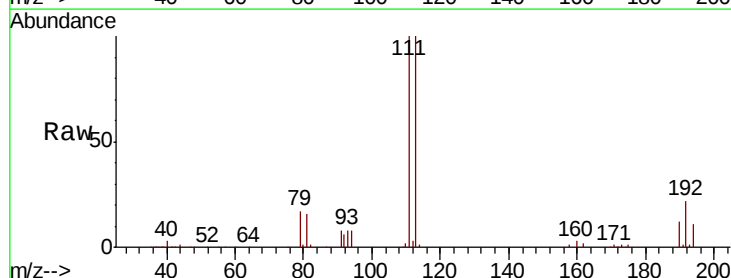


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

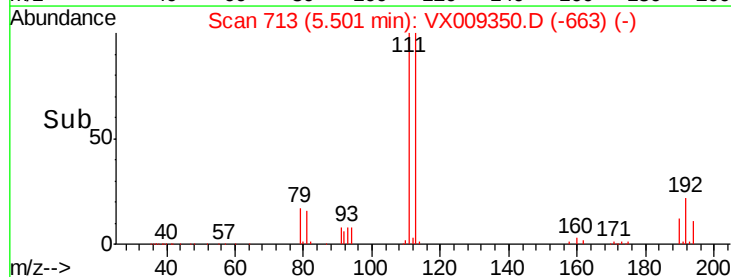
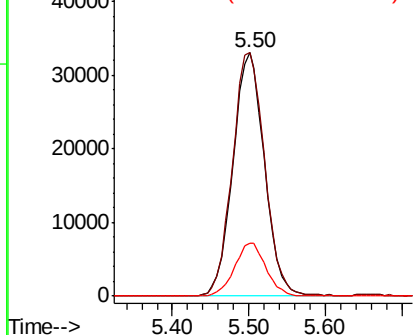


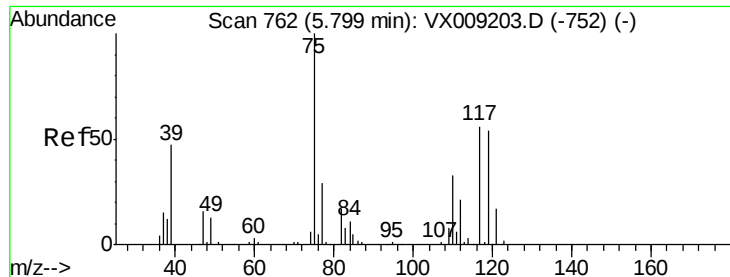
#35
 Dibromofluoromethane
 Concen: 48.671 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009350.D
 Acq: 06 May 2019 15:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.8	124.2
192	21.7	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

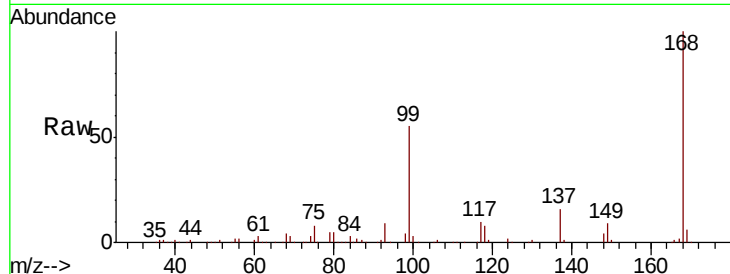




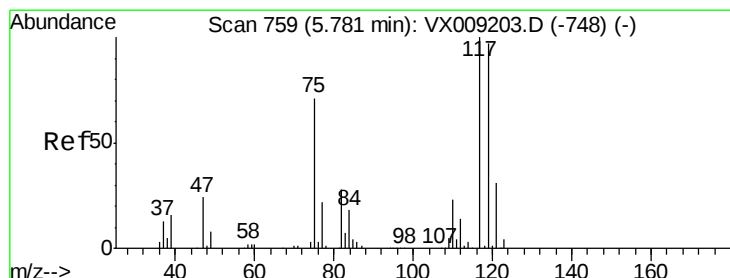
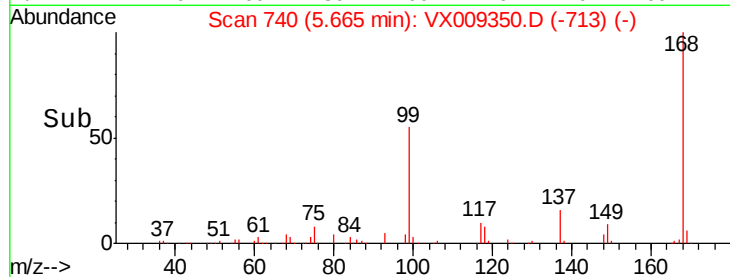
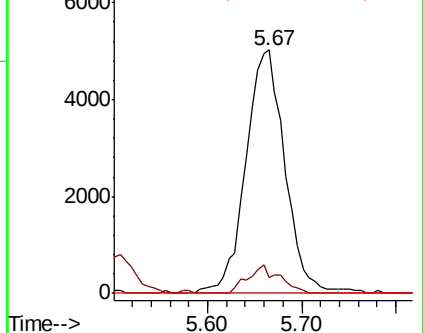
#36
 1,1-Dichloropropene
 Concen: 5.090 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009350.D
 Acq: 06 May 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW514-190430

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.9	50.6#
77	0.0	24.8	37.2#

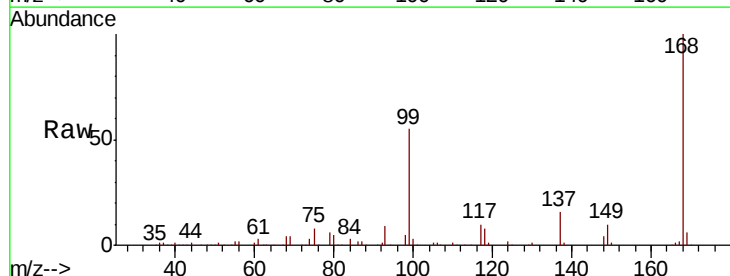


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

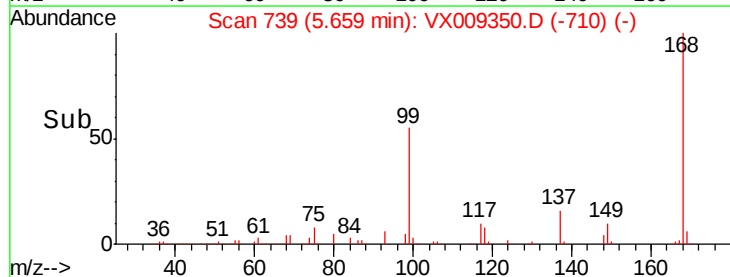
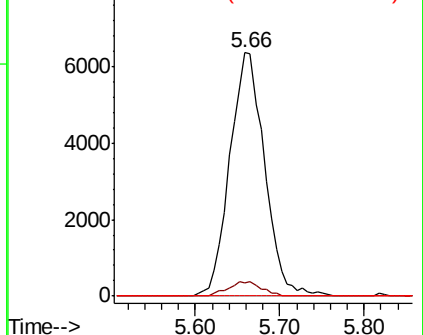


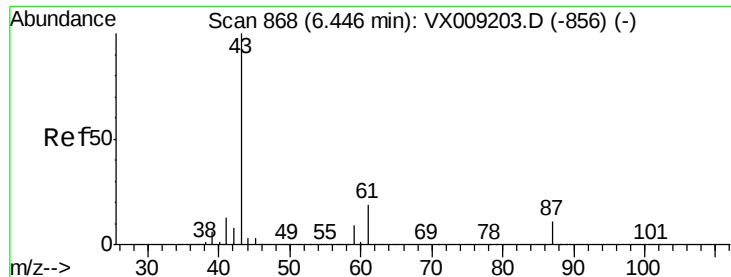
#38
 Carbon Tetrachloride
 Concen: 6.847 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009350.D
 Acq: 06 May 2019 15:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	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





#43

Isopropyl Acetate

Concen: 0.223 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX009350.D

Acq: 06 May 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

SS050MW514-190430

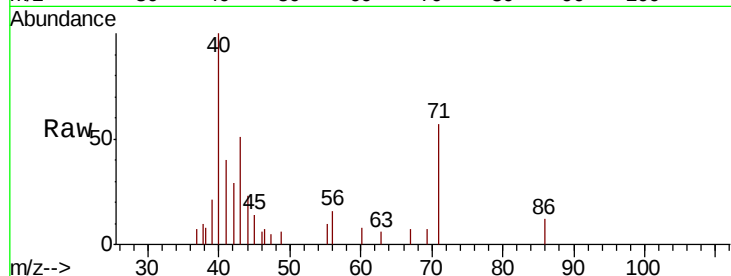
Tot Ion: 43 Resp: 1420

Ion Ratio Lower Upper

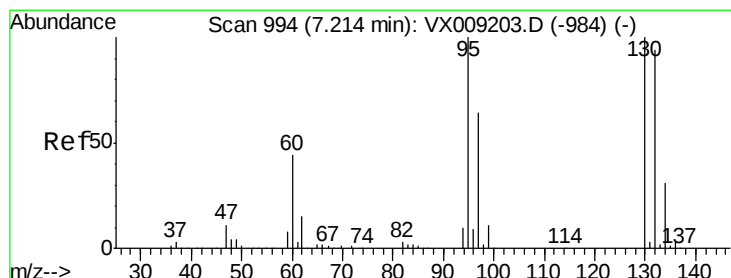
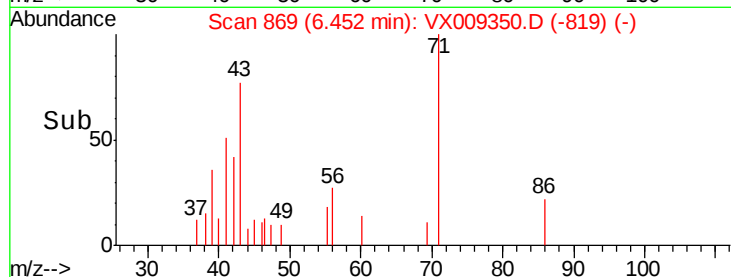
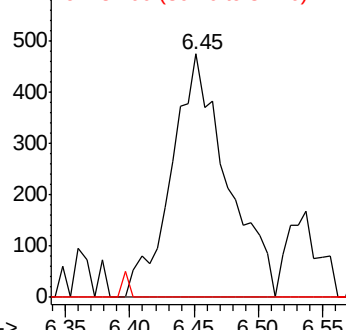
43 100

61 0.0 15.1 22.7#

87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 0.434 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009350.D

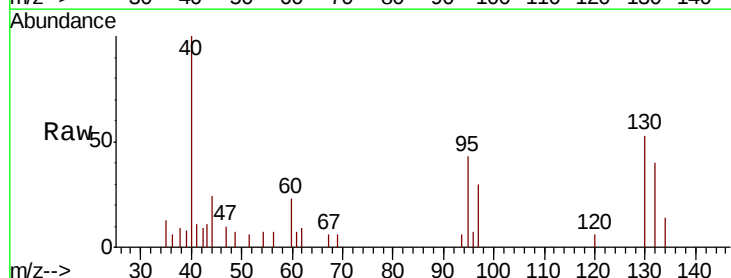
Acq: 06 May 2019 15:05

Tgt Ion: 130 Resp: 930

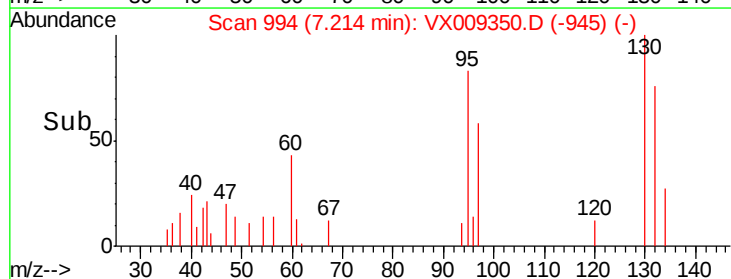
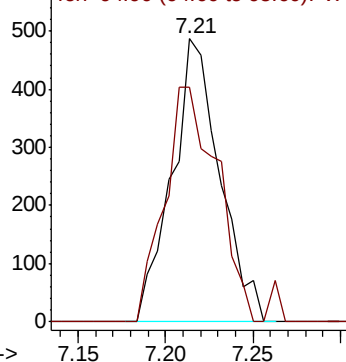
Ion Ratio Lower Upper

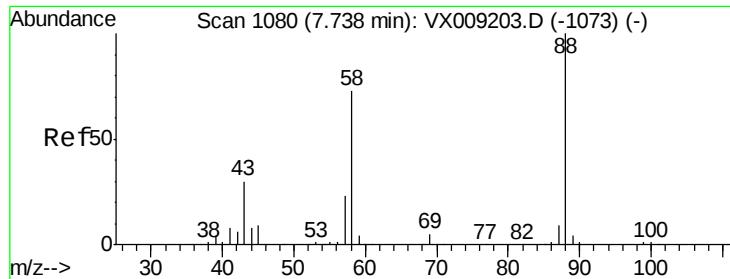
130 100

95 82.8 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.296 ug/l

RT: 7.59 min Scan# 1055

Delta R.T. -0.15 min

Lab File: VX009350.D

Acq: 06 May 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

SS050MW514-190430

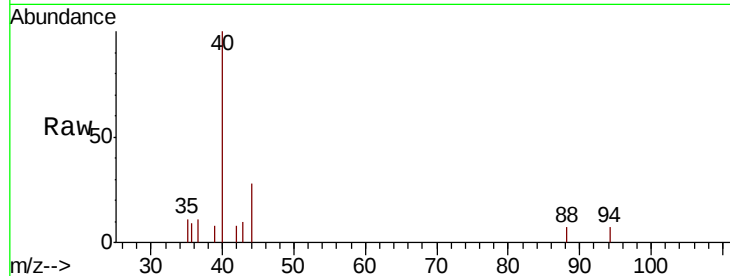
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 421.1 28.6 42.8#

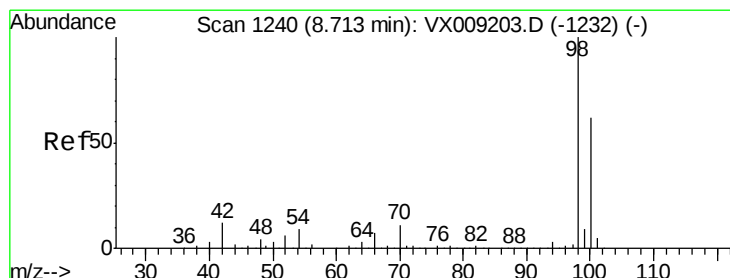
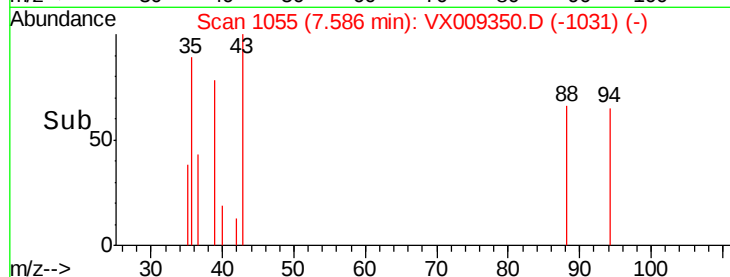
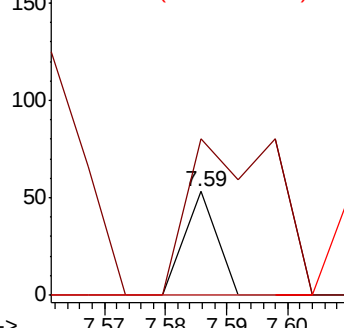
58 0.0 61.7 92.5#



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



#50

Toluene-d8

Concen: 49.714 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009350.D

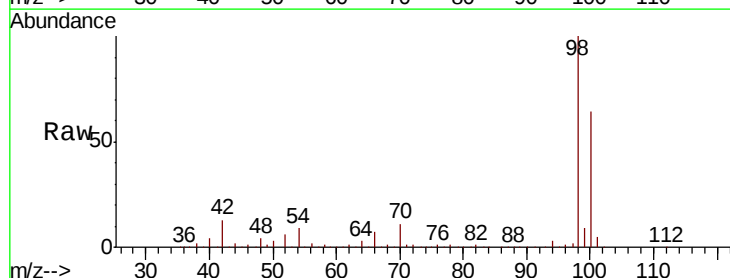
Acq: 06 May 2019 15:05

Tgt Ion: 98 Resp: 388773

Ion Ratio Lower Upper

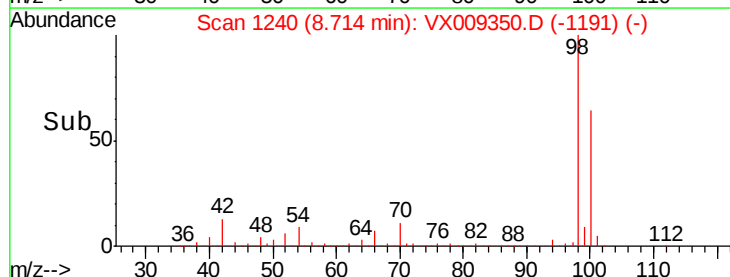
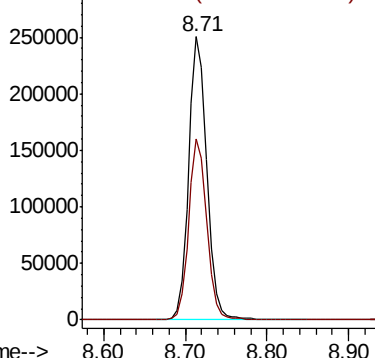
98 100

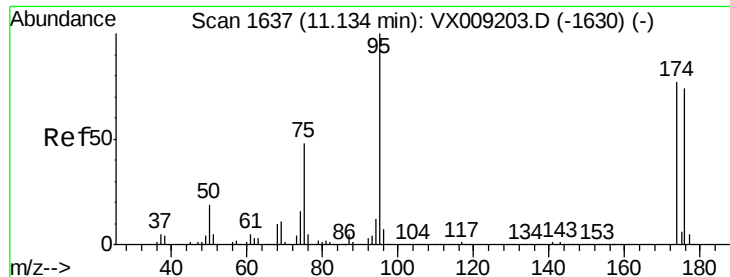
100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.172 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009350.D

Acq: 06 May 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

SS050MW514-190430

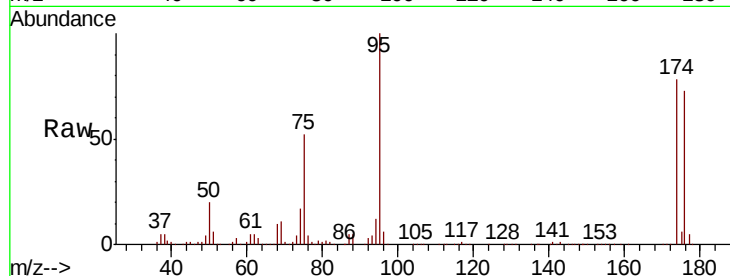
Tot Ion: 95 Resp: 128358

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

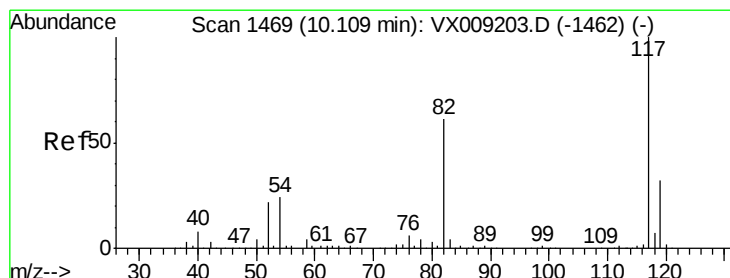
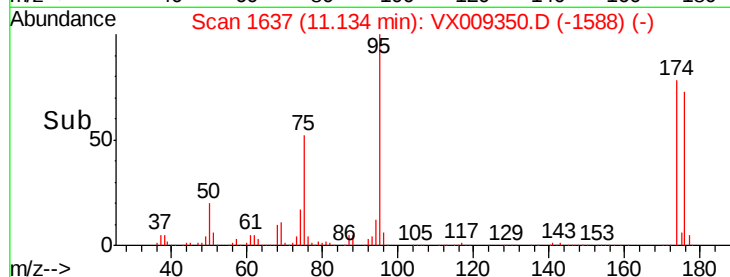
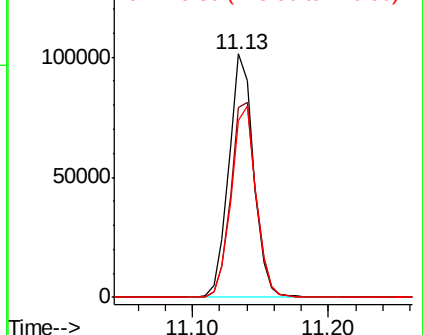
176 79.2 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009350.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009350.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009350.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009350.D

Acq: 06 May 2019 15:05

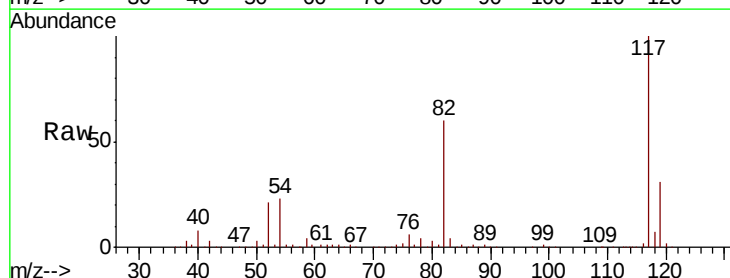
Tgt Ion: 117 Resp: 270339

Ion Ratio Lower Upper

117 100

82 59.8 48.8 73.2

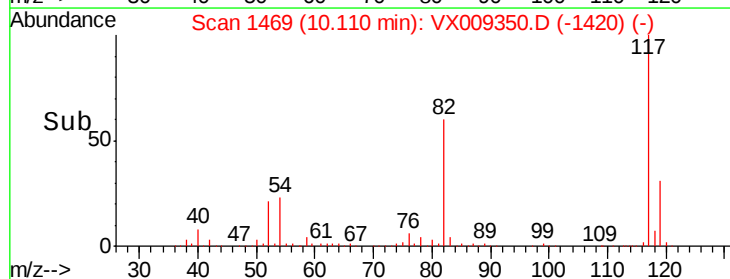
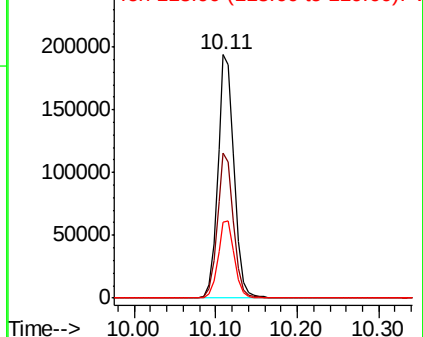
119 31.0 25.8 38.6

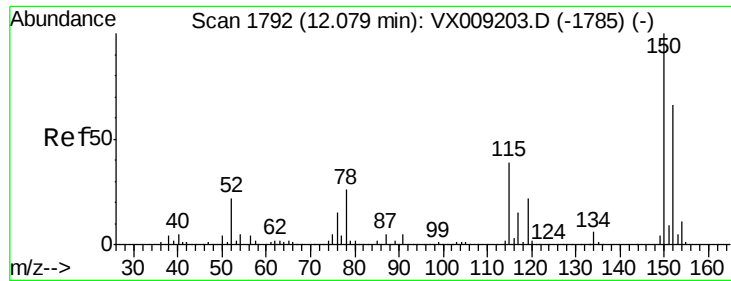


Abundance Ion 116.90 (116.60 to 117.60): VX009350.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009350.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009350.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: VX009350.D

Acq: 06 May 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

SS050MW514-190430

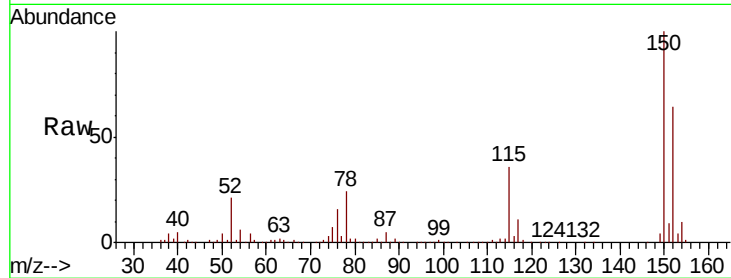
Tot Ion:152 Resp: 118676

Ion Ratio Lower Upper

152 100

115 57.8 41.2 123.6

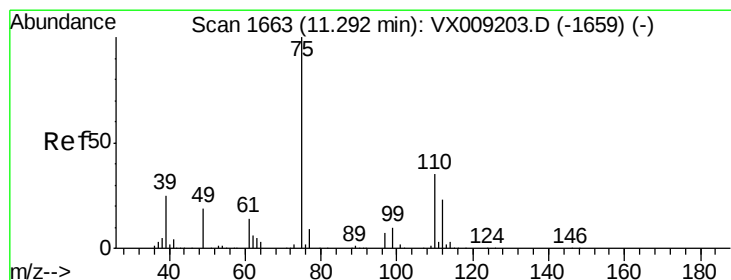
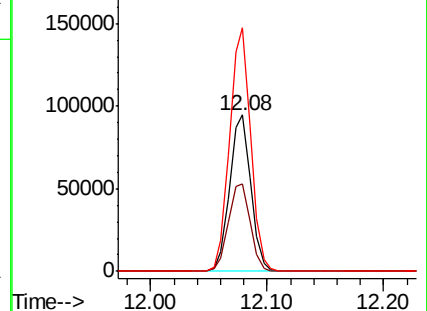
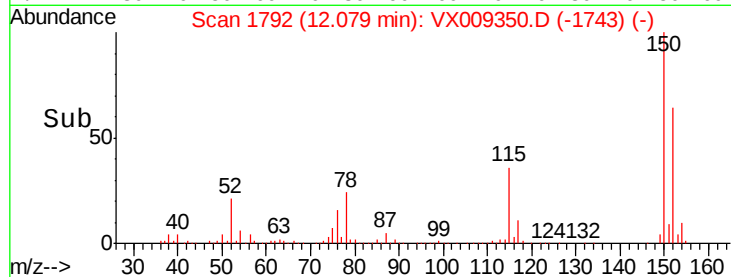
150 155.3 0.0 346.4



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: 23.874 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009350.D

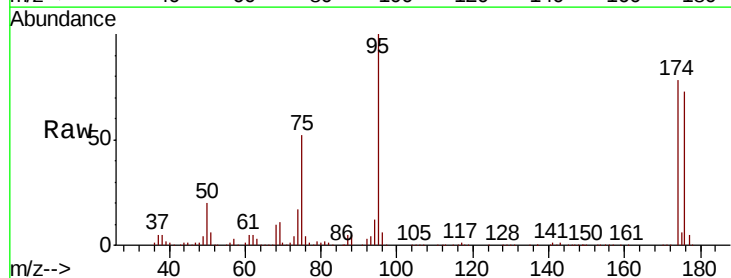
Acq: 06 May 2019 15:05

Tgt Ion: 75 Resp: 65723

Ion Ratio Lower Upper

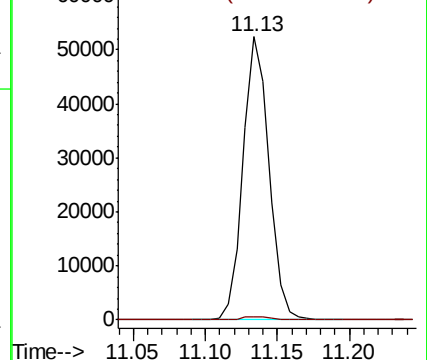
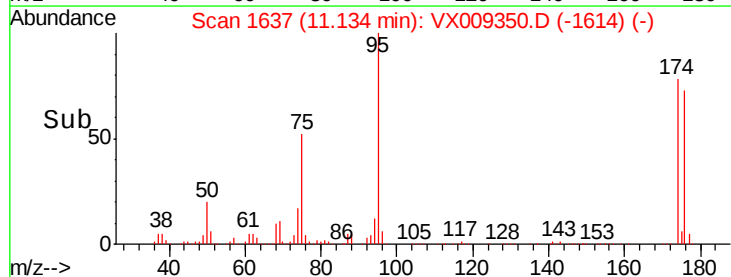
75 100

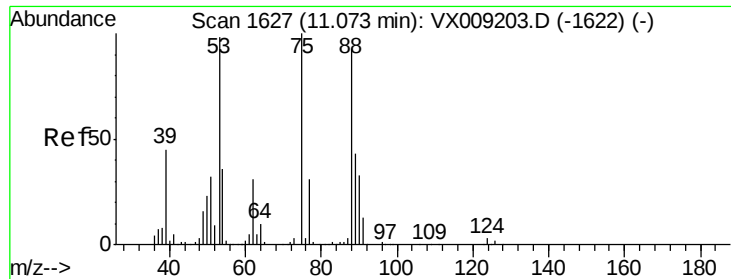
77 1.3 22.1 66.1#



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: 61.086 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009350.D

Acq: 06 May 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

SS050MW514-190430

Tot Ion: 75 Resp: 65723

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

