

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041819\
 Data File : VX009040.D
 Acq On : 18 Apr 2019 13:47
 Operator : JC/SP
 Sample : K2448-02DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008RW258-190415DL

Quant Time: Apr 19 01:36:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397705	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137771	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	164997	47.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.18%	
35) Dibromofluoromethane	5.50	113	120671	47.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.56%	
50) Toluene-d8	8.71	98	490557	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.13	95	159986	44.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.04%	

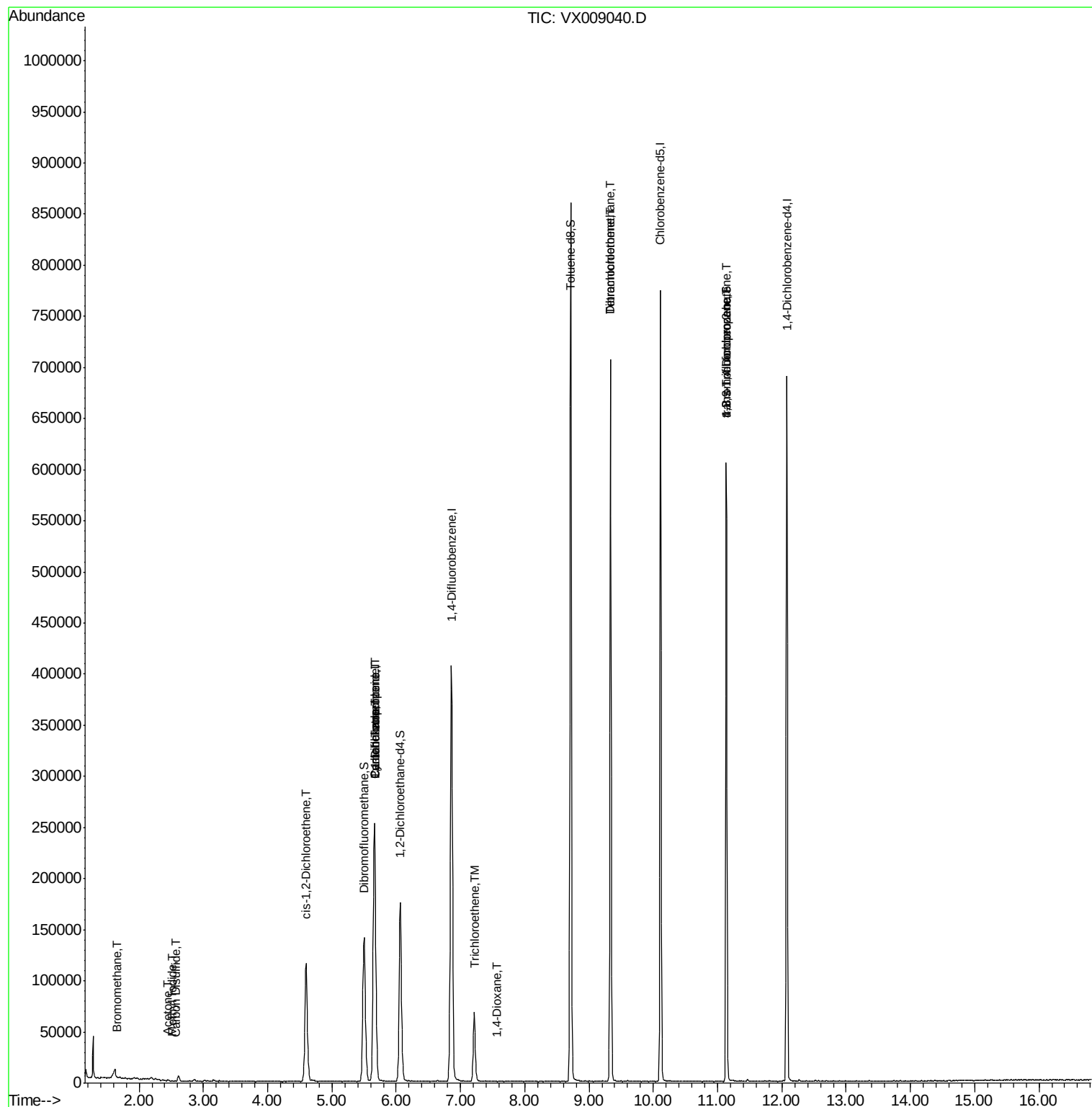
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	489	4.061	ug/l #	61
10) Methyl Iodide	2.51	142	236	4.492	ug/l #	42
16) Acetone	2.44	43	1420	0.790	ug/l	96
17) Carbon Disulfide	2.57	76	514	1.317	ug/l #	64
27) cis-1,2-Dichloroethene	4.60	96	71457	22.366	ug/l	91
28) Bromochloromethane	5.02	49	27	Below Cal	#	21
31) Cyclohexane	5.66	56	5680	1.029	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19668	4.782	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23625	6.775	ug/l #	17
44) Trichloroethene	7.21	130	26245	8.828	ug/l	97
49) 1,4-Dioxane	7.57	88	20	0.254	ug/l #	1
60) Dibromochloromethane	9.34	129	128245	46.427	ug/l #	10
64) Tetrachloroethene	9.34	164	136394	52.794	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	81081	24.102	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	81081	61.876	ug/l #	10

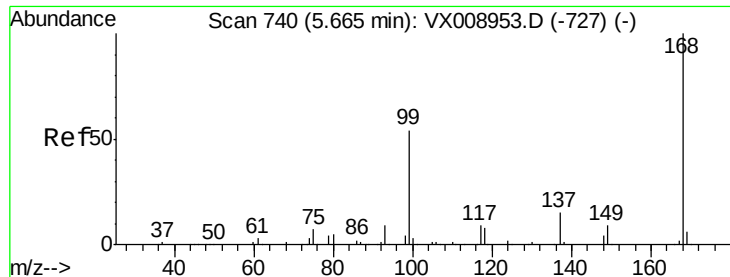
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009040.D

Acq: 18 Apr 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

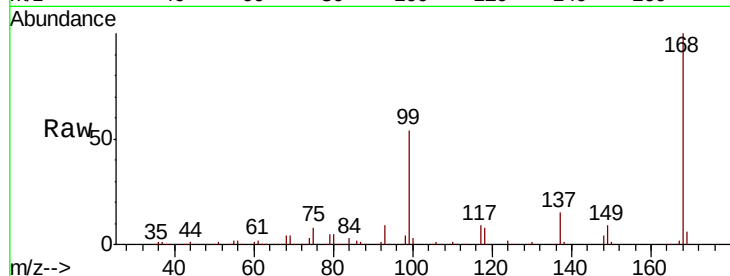
ST008RW258-190415DL

Tot Ion:168 Resp: 246019

Ion Ratio Lower Upper

168 100

99 53.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

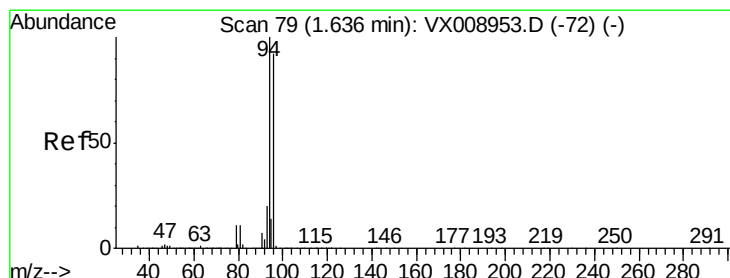
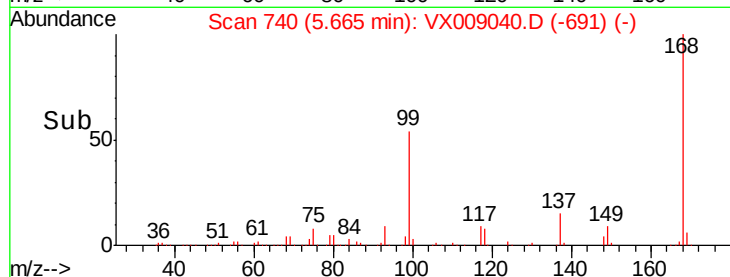
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.061 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX009040.D

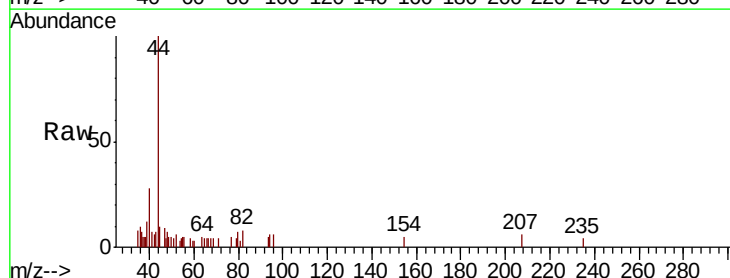
Acq: 18 Apr 2019 13:47

Tgt Ion: 94 Resp: 489

Ion Ratio Lower Upper

94 100

96 54.9 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

150

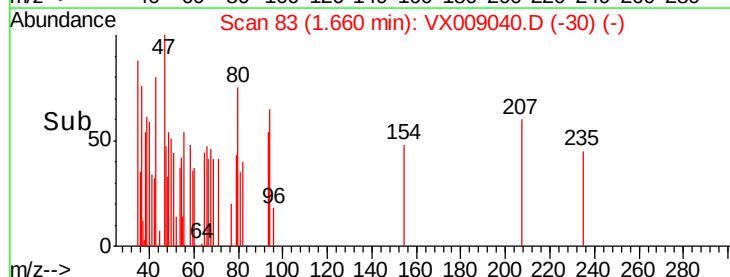
100

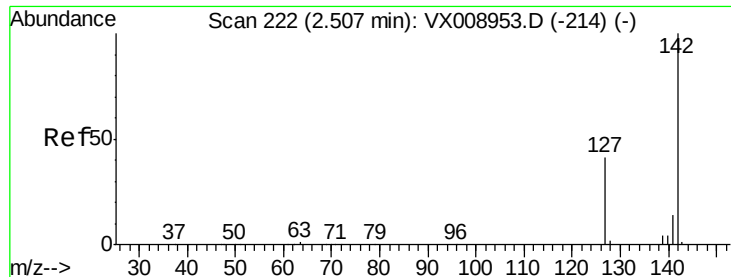
50

0

Time-->

1.60 1.65 1.70

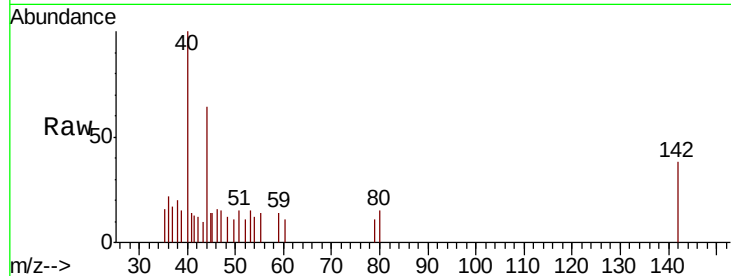




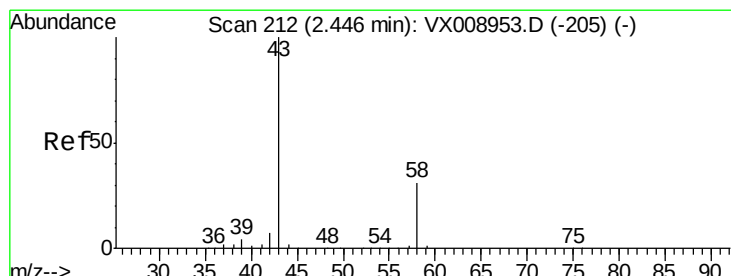
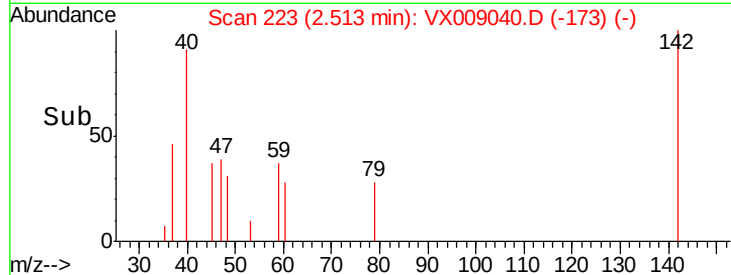
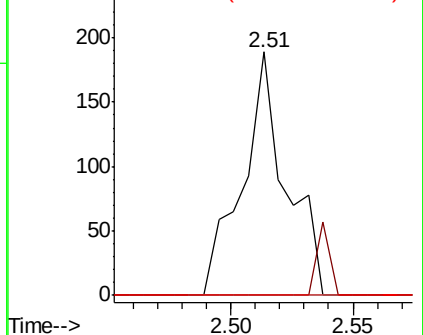
#10
Methvl Iodide
Concen: 4.492 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009040.D
Acq: 18 Apr 2019 13:47

Instrument :
MSVOA_X
ClientSampleId :
ST008RW258-190415DL

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	32.8	49.2#
141	0.0	11.4	17.2#

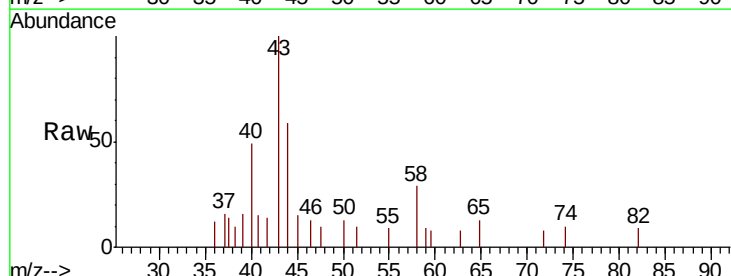


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

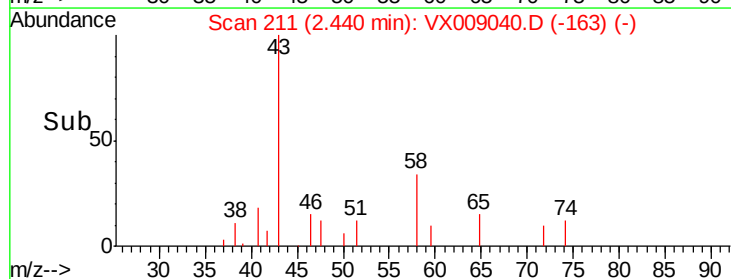
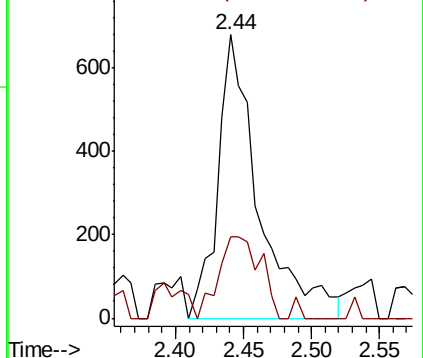


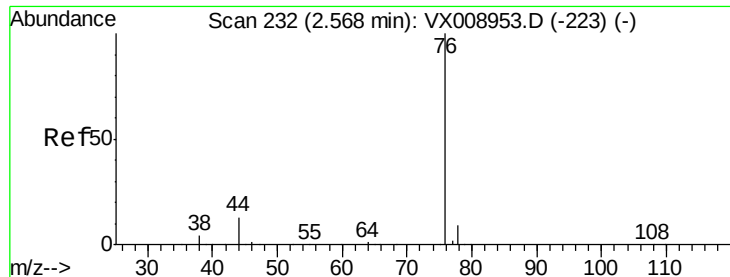
#16
Acetone
Concen: 0.790 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009040.D
Acq: 18 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.7	24.8	37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.317 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009040.D

Acq: 18 Apr 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

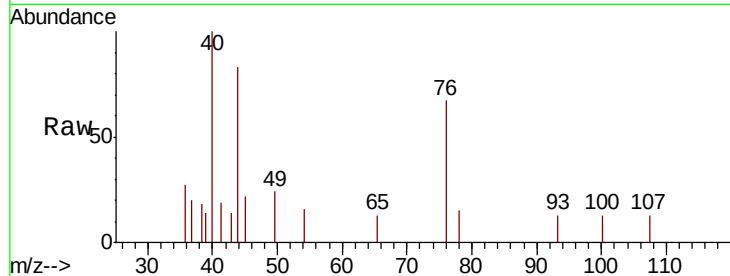
ST008RW258-190415DL

Tot Ion: 76 Resp: 514

Ion Ratio Lower Upper

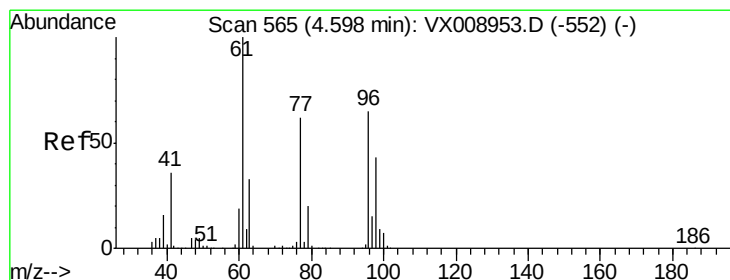
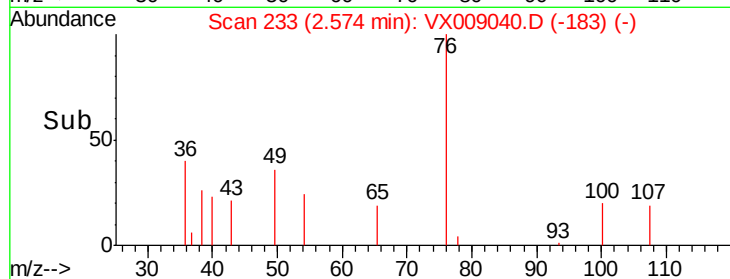
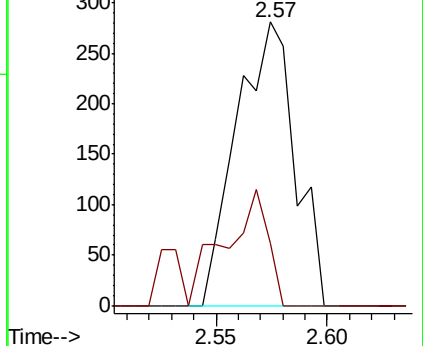
76 100

78 22.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 22.366 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX009040.D

Acq: 18 Apr 2019 13:47

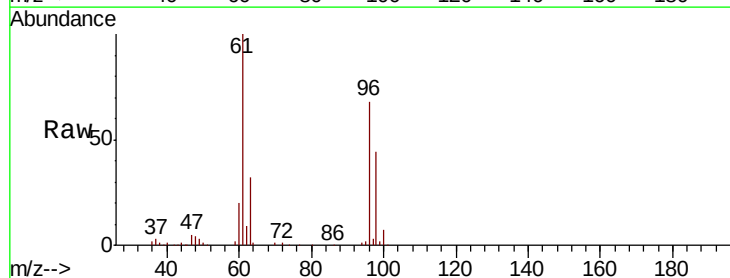
Tgt Ion: 96 Resp: 71457

Ion Ratio Lower Upper

96 100

61 143.8 0.0 322.0

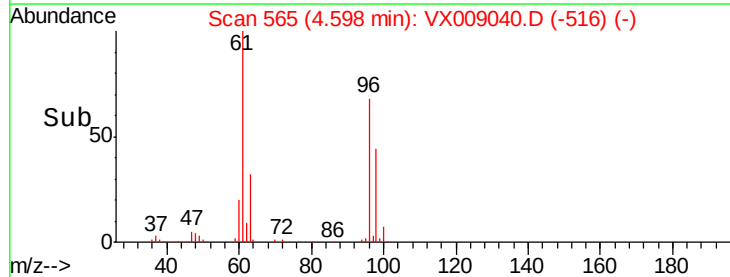
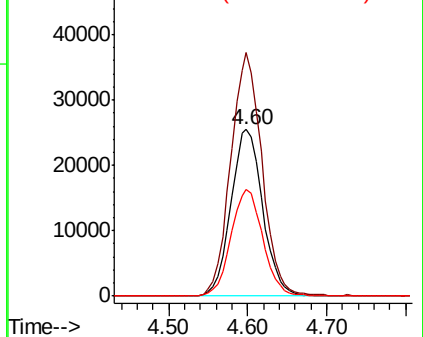
98 64.0 0.0 128.4

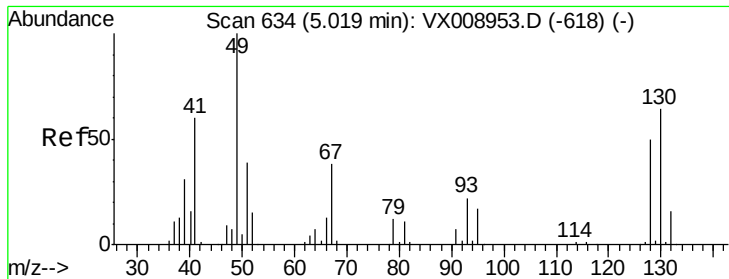


Abundance Ion 95.90 (95.60 to 96.60): VX0

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. 0.00 min

Lab File: VX009040.D

Acq: 18 Apr 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

ST008RW258-190415DL

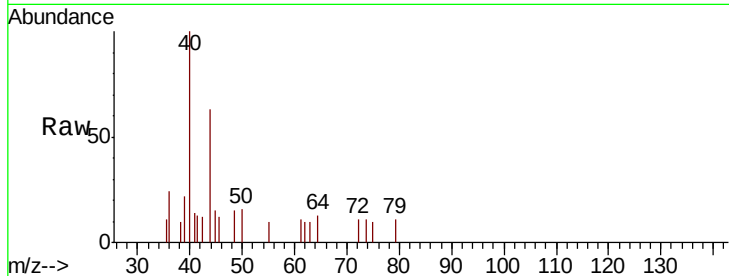
Tot Ion: 49 Resp: 27

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

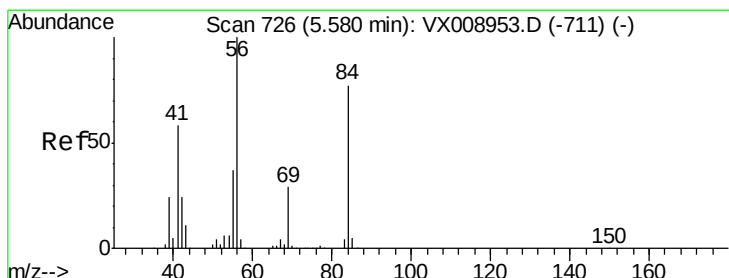
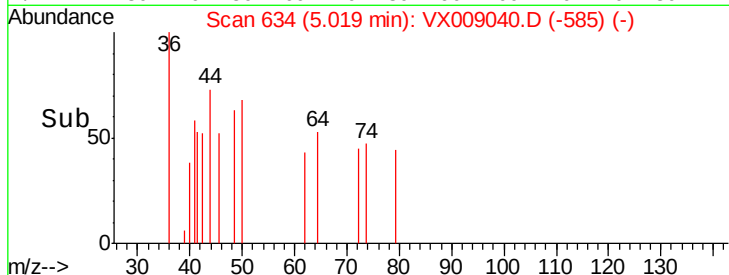
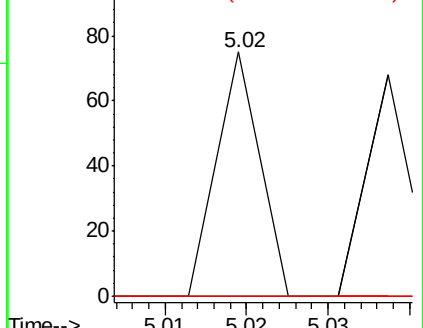
130 0.0 50.4 75.6#



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: 1.029 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009040.D

Acq: 18 Apr 2019 13:47

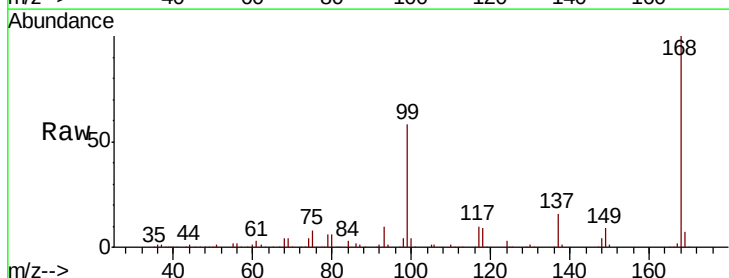
Tgt Ion: 56 Resp: 5680

Ion Ratio Lower Upper

56 100

69 173.4 23.3 34.9#

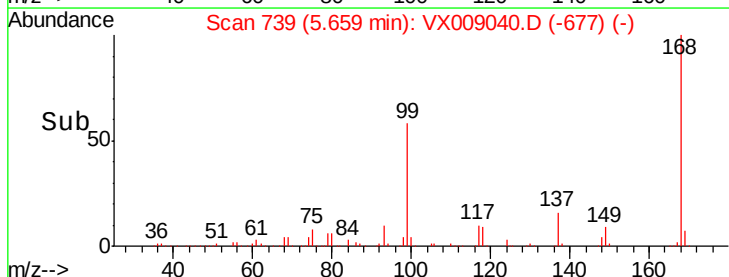
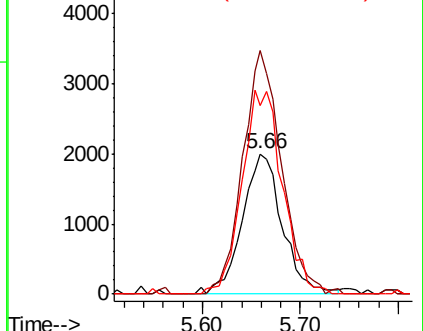
84 134.4 61.7 92.5#

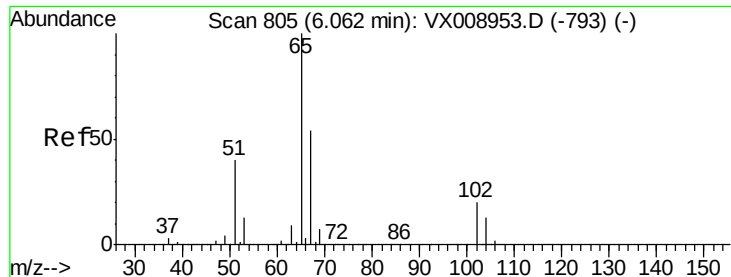


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

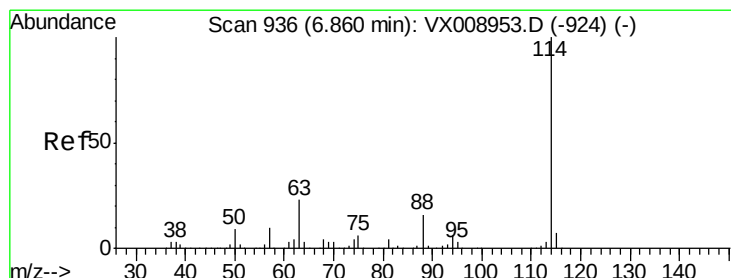
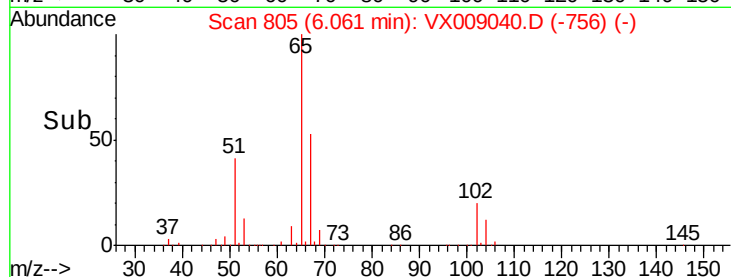
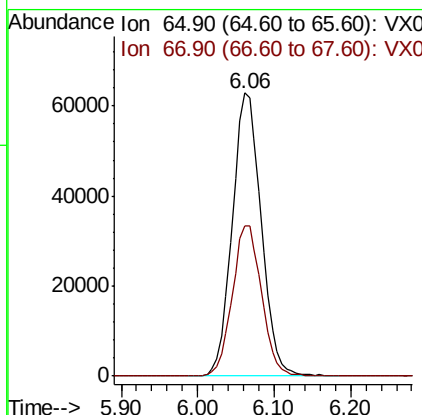
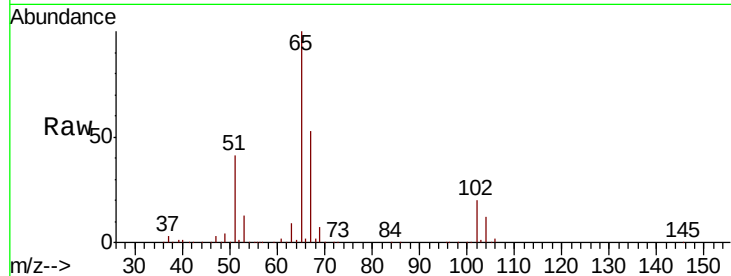




#33
 1,2-Dichloroethane-d4
 Concen: 47.589 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009040.D
 Acq: 18 Apr 2019 13:47

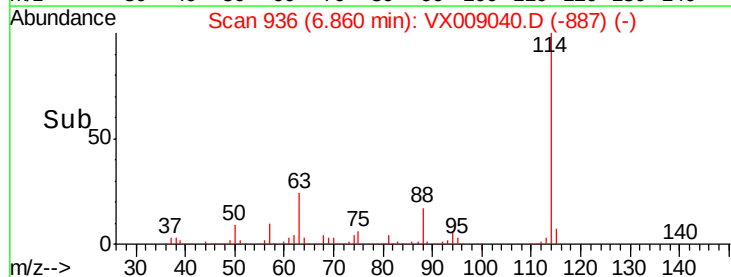
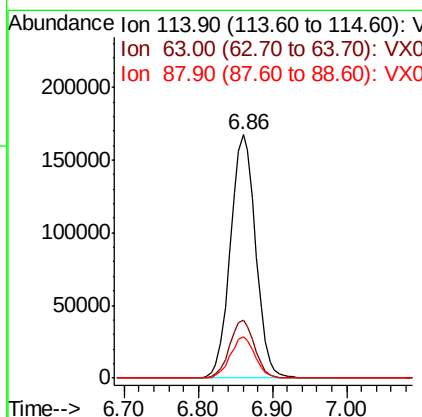
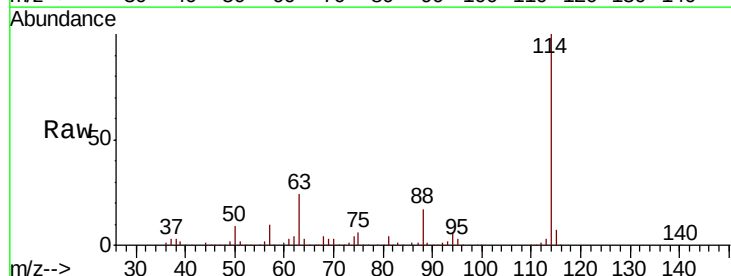
Instrument :
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 ST008RW258-190415DL

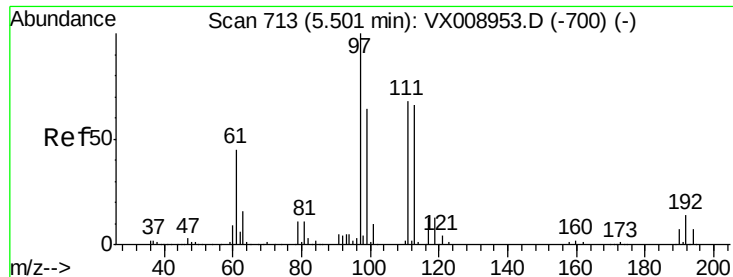
Tot Ion: 65 Resp: 164997
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009040.D
 Acq: 18 Apr 2019 13:47

Tgt Ion: 114 Resp: 397705
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 46.0
 88 17.2 0.0 32.6

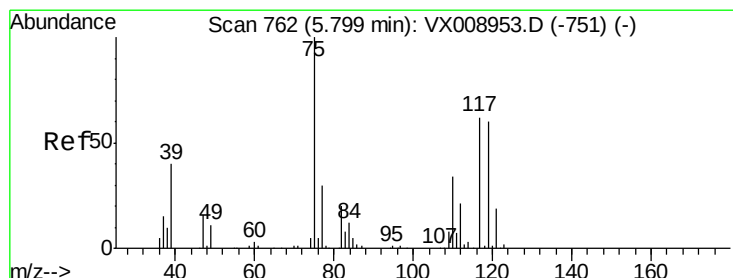
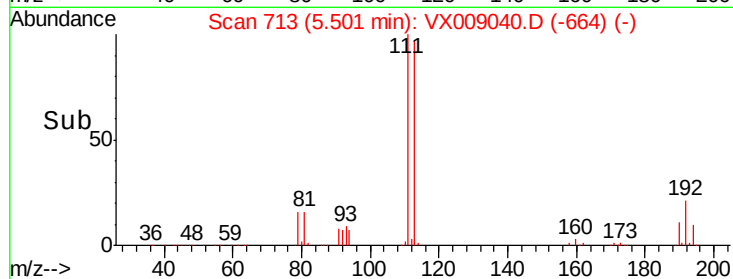
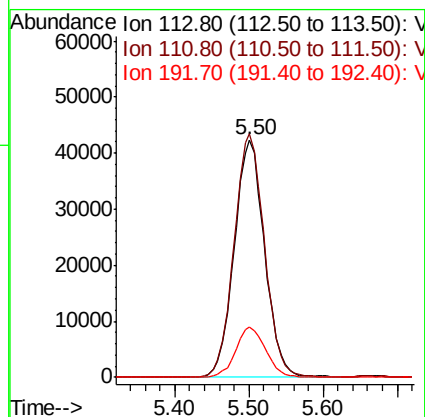
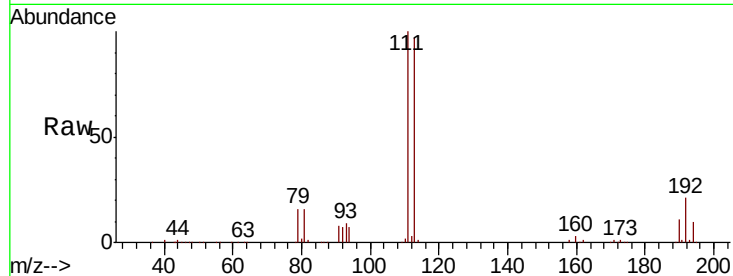




#35
 Dibromofluoromethane
 Concen: 47.278 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009040.D
 Acq: 18 Apr 2019 13:47

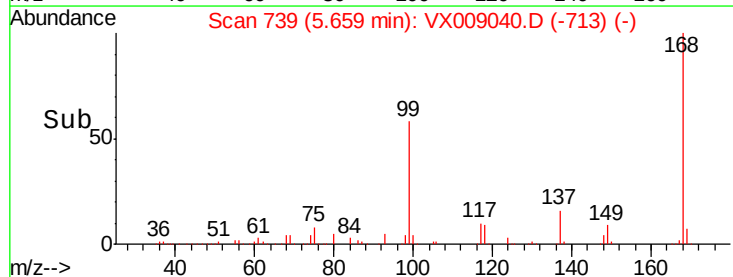
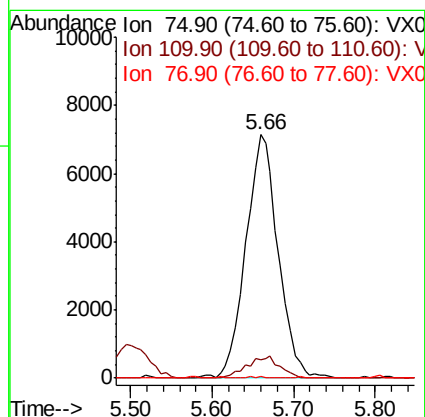
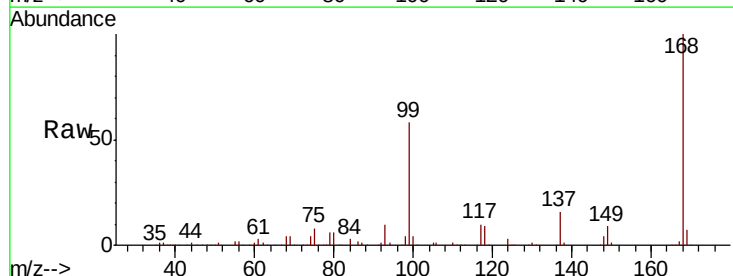
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008RW258-190415DL

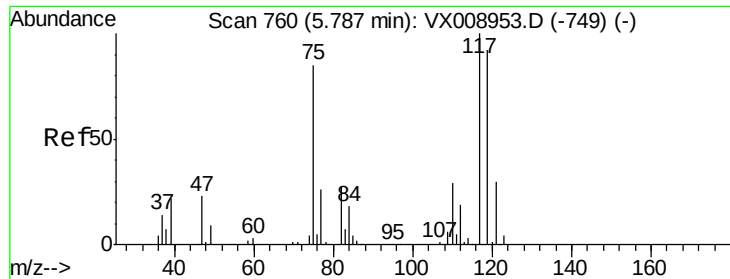
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	20.9	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 4.782 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009040.D
 Acq: 18 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.9	50.7#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.775 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009040.D

Acq: 18 Apr 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

ST008RW258-190415DL

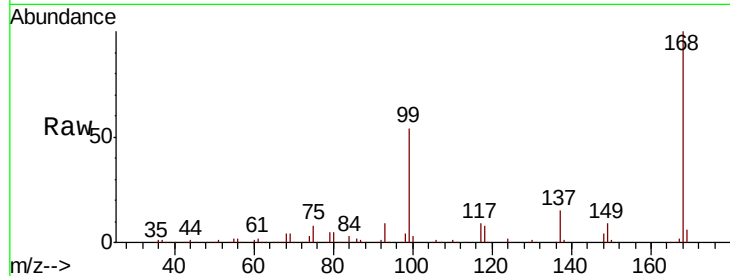
Tot Ion:117 Resp: 23625

Ion Ratio Lower Upper

117 100

119 4.3 73.8 110.8#

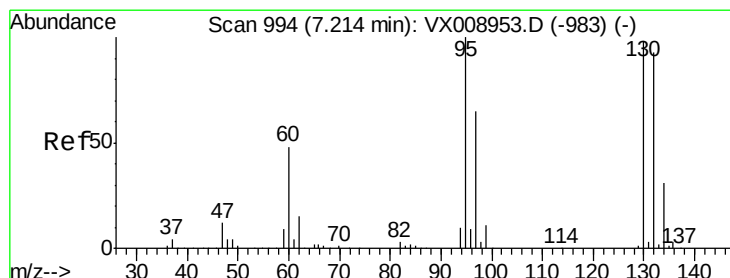
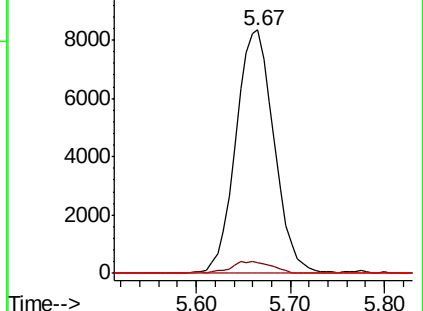
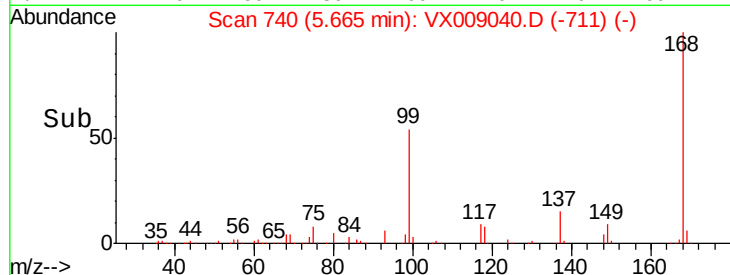
121 0.0 23.6 35.4#



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: 8.828 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009040.D

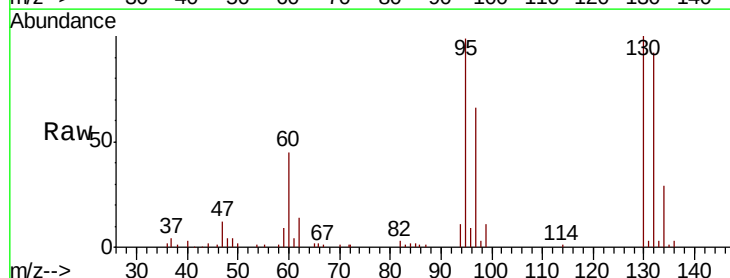
Acq: 18 Apr 2019 13:47

Tgt Ion:130 Resp: 26245

Ion Ratio Lower Upper

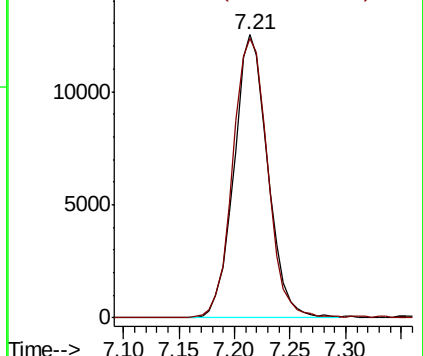
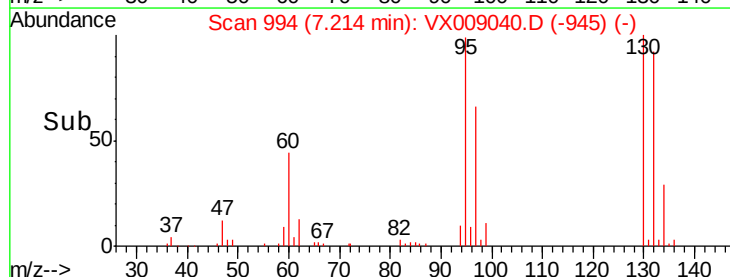
130 100

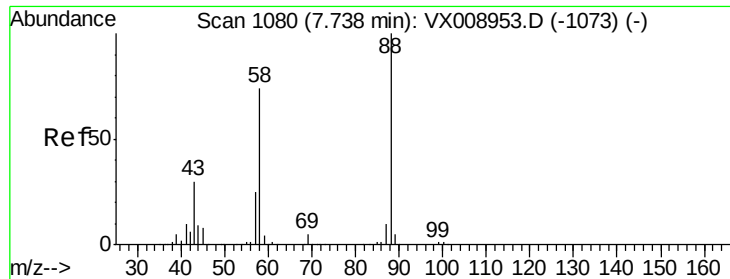
95 98.7 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

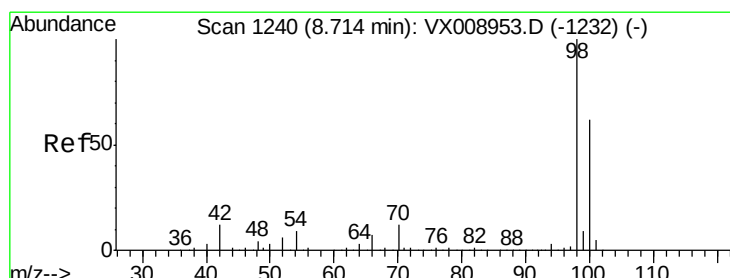
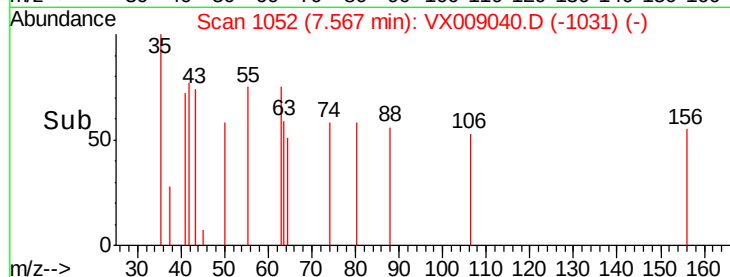
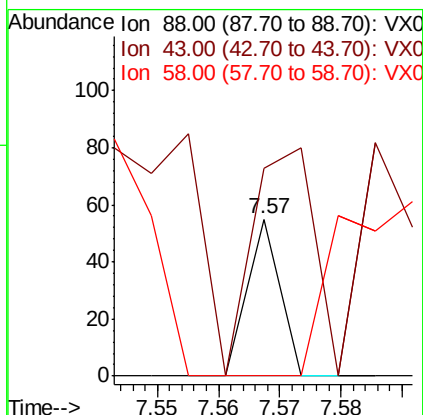
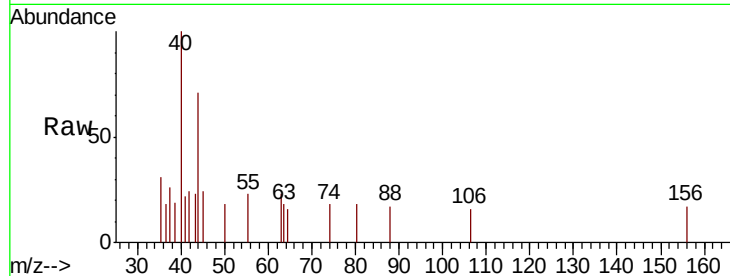




#49
1,4-Dioxane
Concen: 0.254 ug/l
RT: 7.57 min Scan# 1052
Delta R.T. -0.17 min
Lab File: VX009040.D
Acq: 18 Apr 2019 13:47

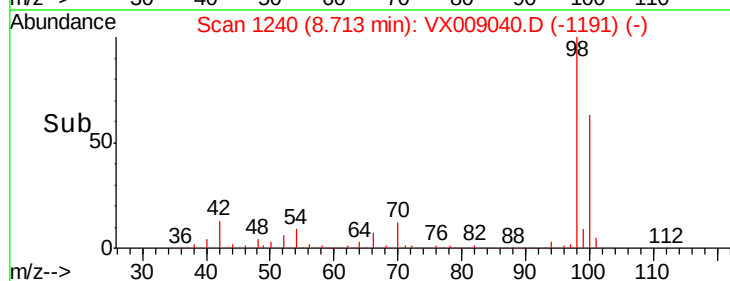
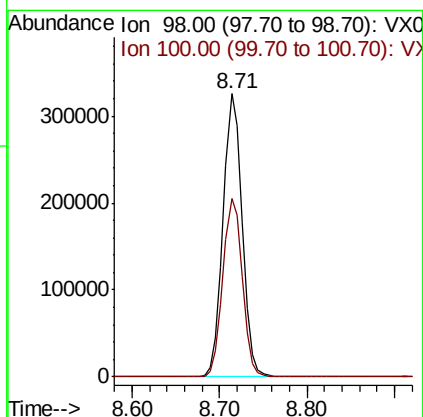
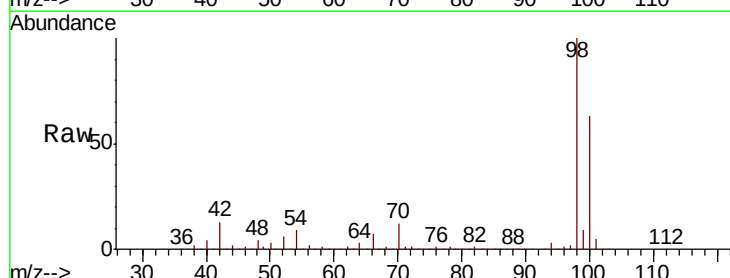
Instrument :
MSVOA_X
ClientSampleId :
ST008RW258-190415DL

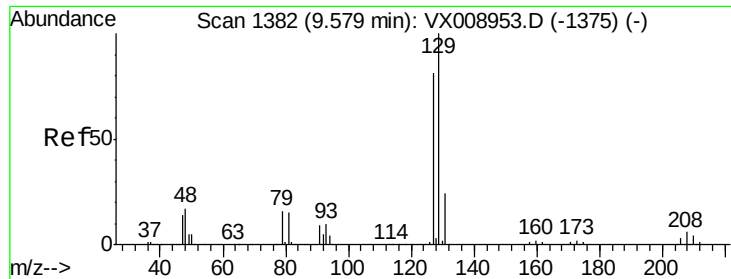
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 280.0 29.3 43.9#
58 0.0 62.6 93.8#



#50
Toluene-d8
Concen: 48.193 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009040.D
Acq: 18 Apr 2019 13:47

Tgt Ion: 98 Resp: 490557
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2

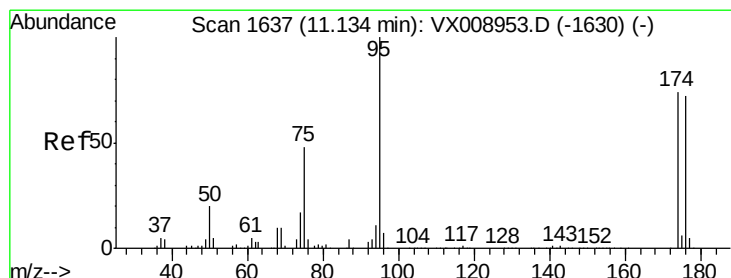
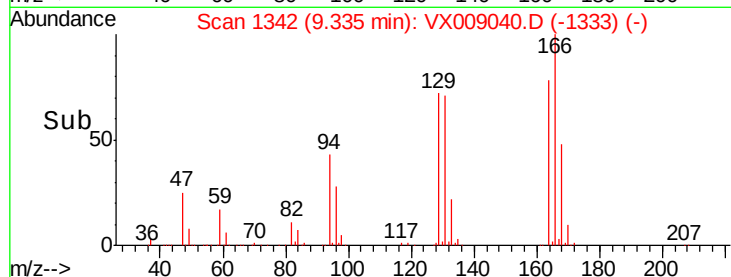
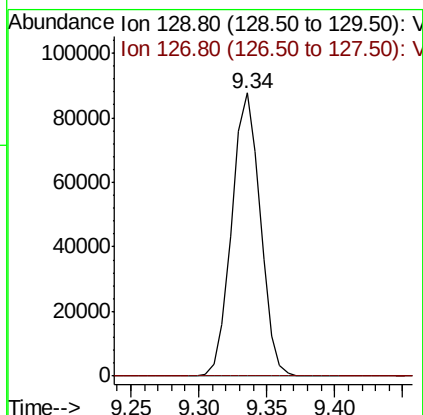
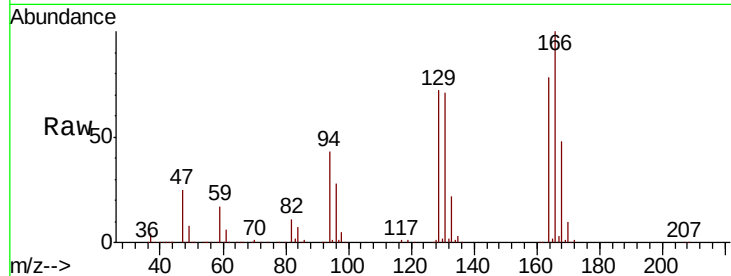




#60
 Dibromochloromethane
 Concen: 46.427 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009040.D
 Acq: 18 Apr 2019 13:47

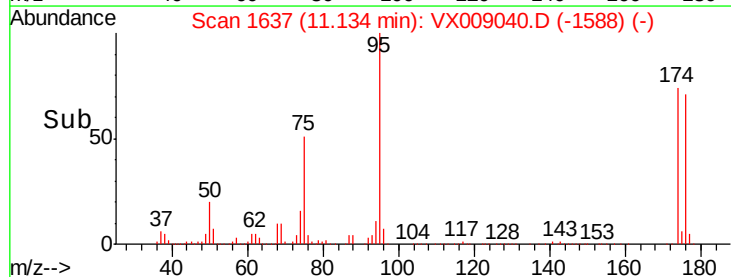
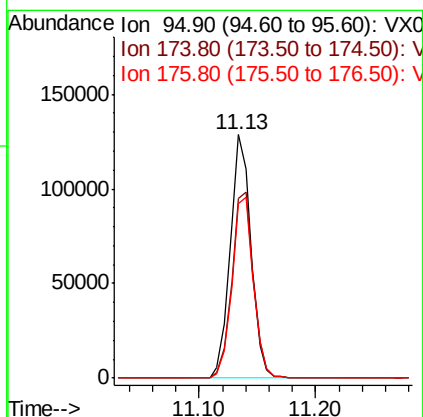
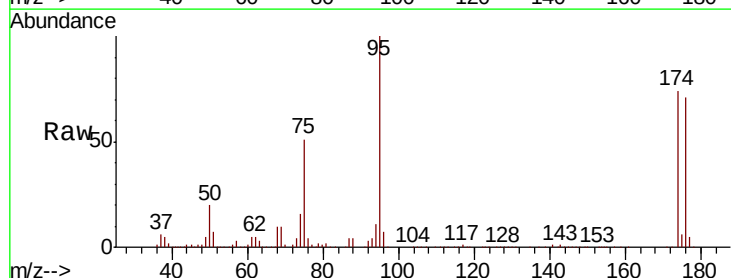
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008RW258-190415DL

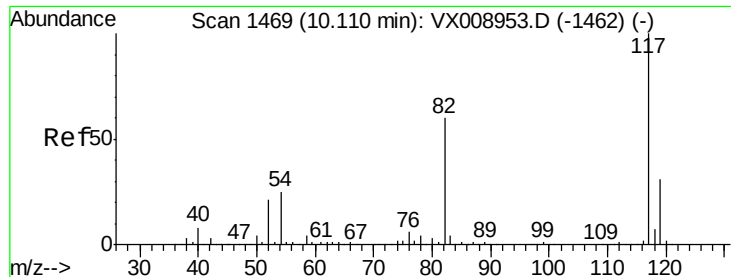
Tot Ion:129 Resp: 128245
 Ion Ratio Lower Upper
 129 100
 127 0.1 39.1 117.2#



#62
 4-Bromofluorobenzene
 Concen: 44.525 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009040.D
 Acq: 18 Apr 2019 13:47

Tgt Ion: 95 Resp: 159986
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 159.6
 176 76.3 0.0 154.8

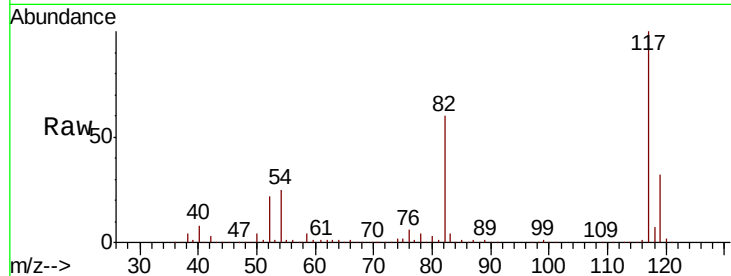




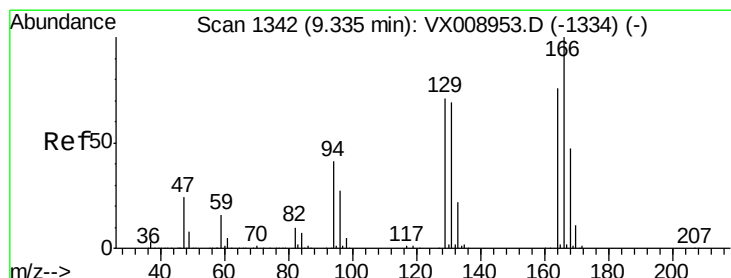
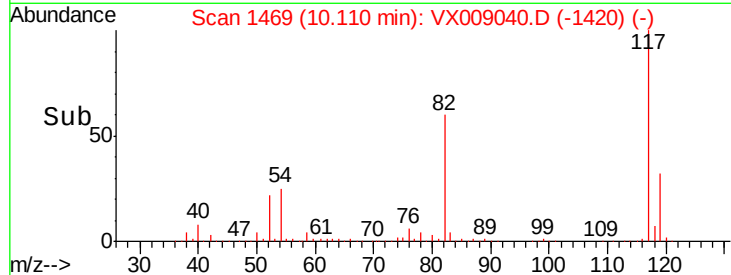
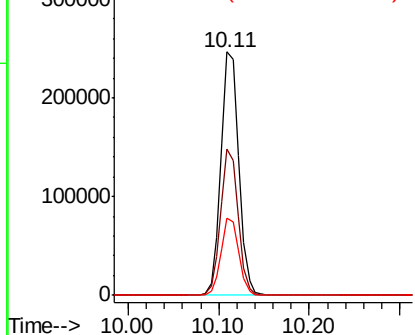
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009040.D
Acq: 18 Apr 2019 13:47

Instrument :
MSVOA_X
ClientSampleId :
ST008RW258-190415DL

Tot Ion:117 Resp: 340079
Ion Ratio Lower Upper
117 100
82 60.1 48.2 72.4
119 31.8 25.0 37.6

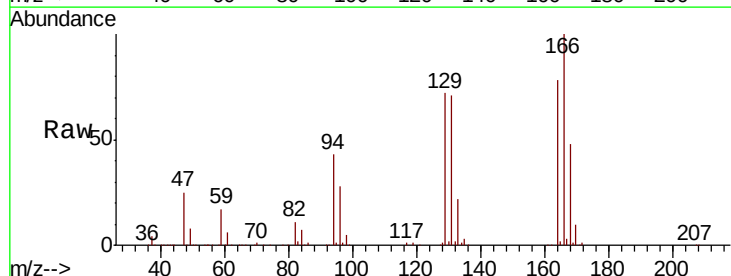


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

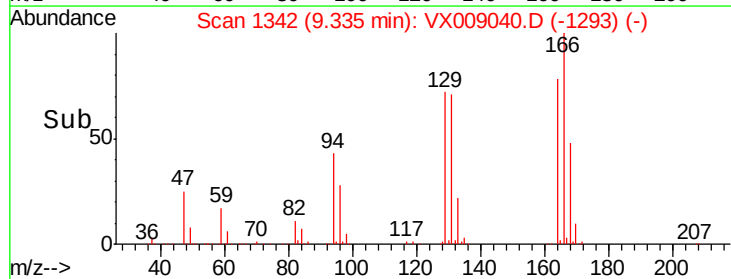
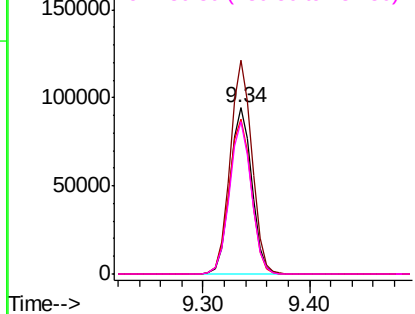


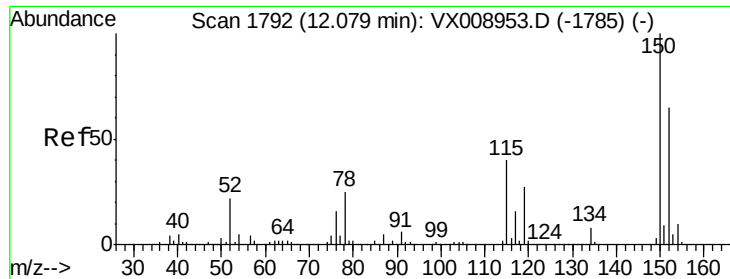
#64
Tetrachloroethene
Concen: 52.794 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009040.D
Acq: 18 Apr 2019 13:47

Tgt Ion:164 Resp: 136394
Ion Ratio Lower Upper
164 100
166 128.5 105.0 157.4
129 92.9 74.2 111.4
131 91.6 72.2 108.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



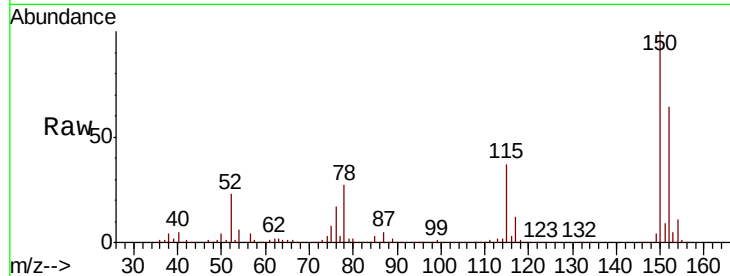


#72

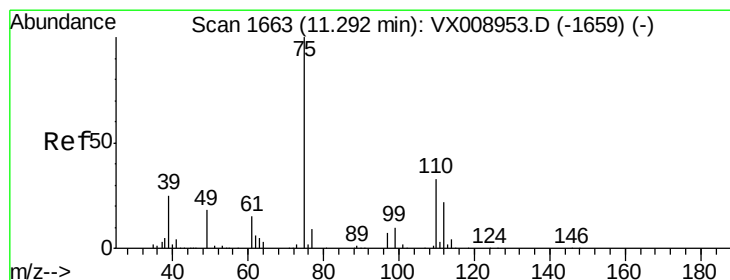
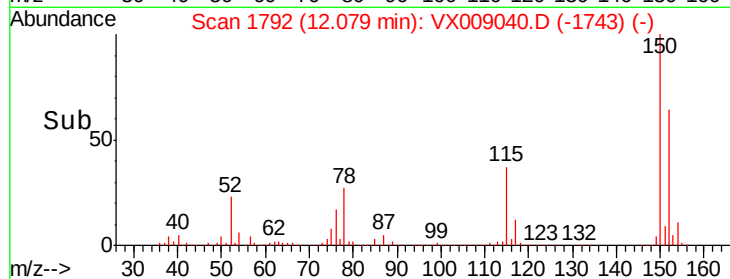
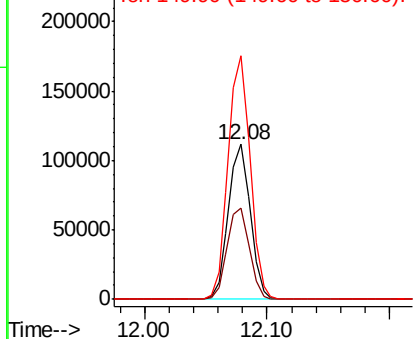
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009040.D
Acq: 18 Apr 2019 13:47

Instrument :
MSVOA_X
ClientSampleId :
ST008RW258-190415DL

Tot Ion:152 Resp: 137771
Ion Ratio Lower Upper
152 100
115 60.3 41.4 124.2
150 158.6 0.0 349.8



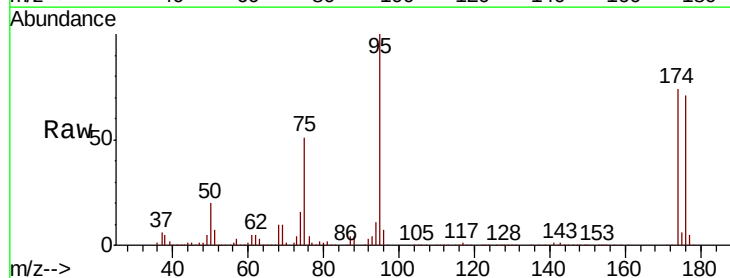
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



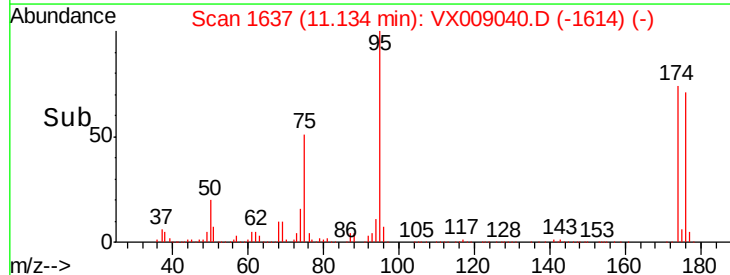
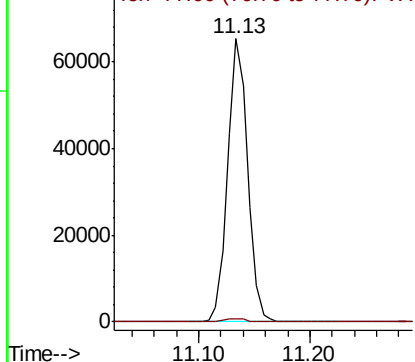
#76

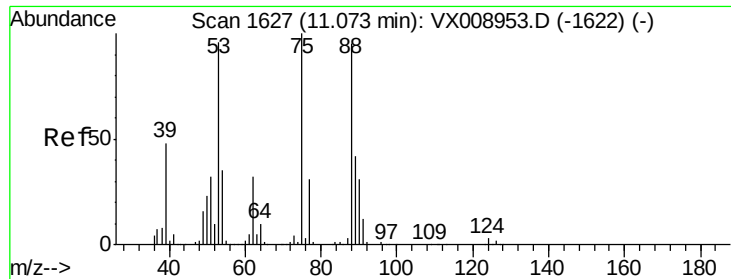
1,2,3-Trichloropropane
Concen: 24.102 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009040.D
Acq: 18 Apr 2019 13:47

Tgt Ion: 75 Resp: 81081
Ion Ratio Lower Upper
75 100
77 1.3 22.7 68.0#



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: 61.876 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009040.D

Acq: 18 Apr 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

ST008RW258-190415DL

Tot Ion: 75 Resp: 81081

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.0 36.0 54.0#

