

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052119\
 Data File : VX009753.D
 Acq On : 21 May 2019 17:21
 Operator : JC/SP
 Sample : K2910-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0226

Quant Time: May 22 07:06:37 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	173701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	277489	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106481	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	116305	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
35) Dibromofluoromethane	5.50	113	84779	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	8.71	98	354682	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.13	95	115991	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	

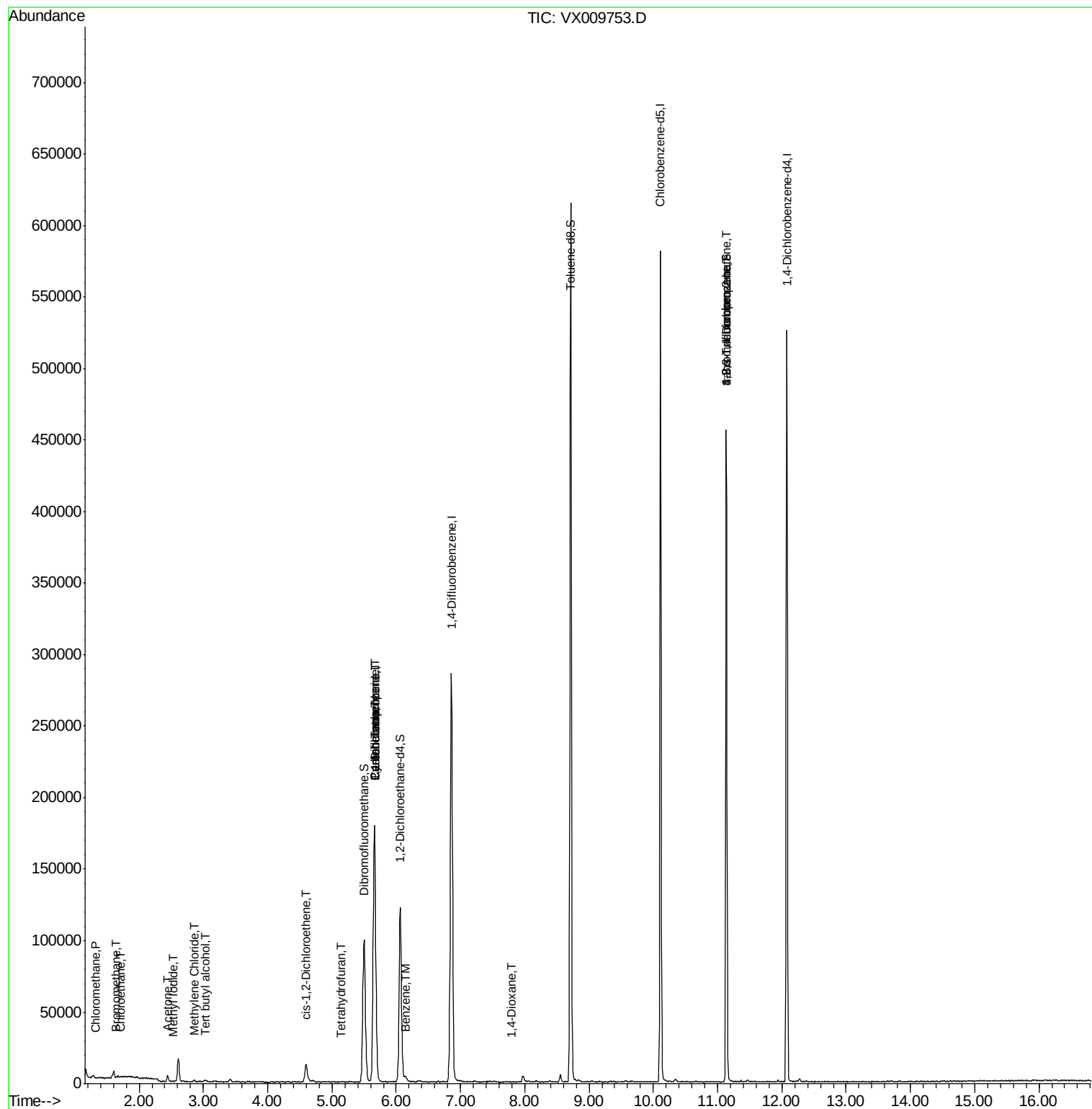
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	569	0.260	ug/l	90
5) Bromomethane	1.64	94	296	0.231	ug/l #	69
6) Chloroethane	1.71	64	1782	1.302	ug/l #	43
10) Methyl Iodide	2.52	142	287	4.732	ug/l #	87
11) Tert butyl alcohol	3.03	59	1179	2.148	ug/l #	87
16) Acetone	2.45	43	4900	3.848	ug/l	91
20) Methylene Chloride	2.86	84	427	0.207	ug/l #	66
27) cis-1,2-Dichloroethene	4.60	96	7381	3.499	ug/l	91
28) Bromochloromethane	5.01	49	68	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	280	0.220	ug/l #	38
31) Cyclohexane	5.67	56	4144	1.182	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13549	5.254	ug/l #	51
38) Carbon Tetrachloride	5.67	117	16360	6.983	ug/l #	16
40) Benzene	6.14	78	3632	0.455	ug/l #	80
49) 1,4-Dioxane	7.79	88	23	0.398	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	60544	24.512	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60544	62.717	ug/l #	10

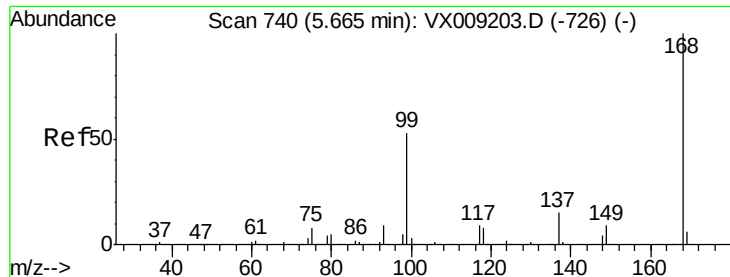
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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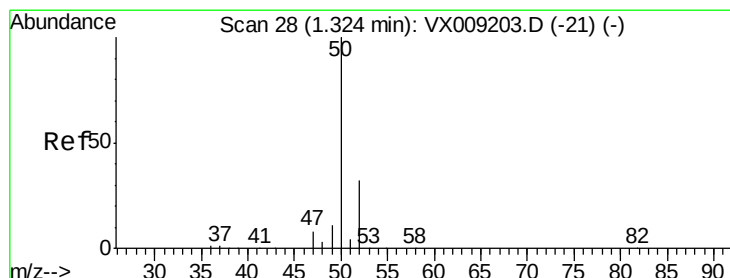
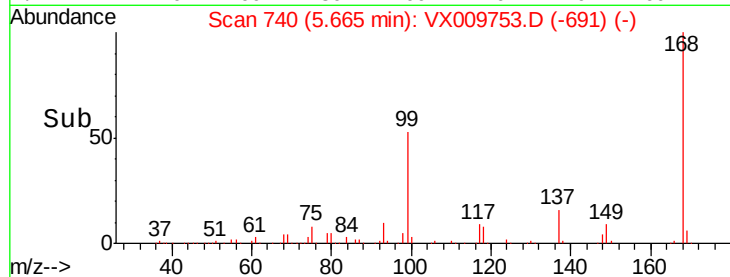
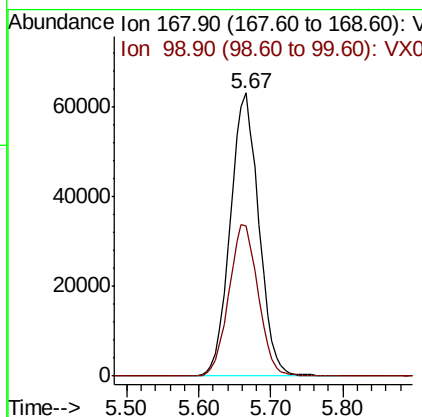
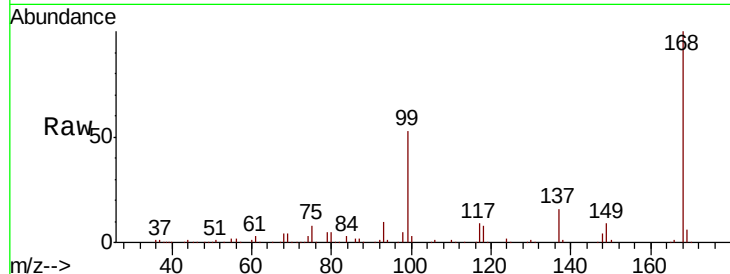




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX009753.D
Acq: 21 May 2019 17:21

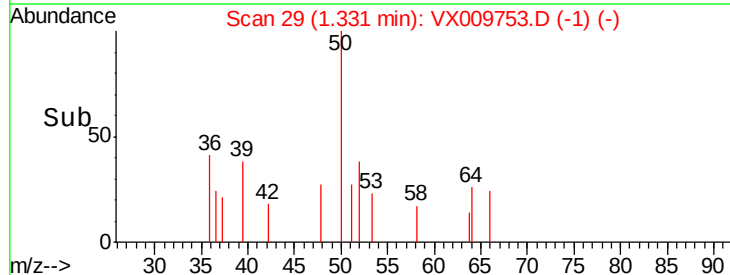
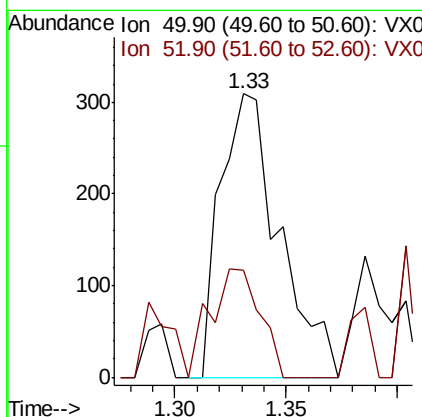
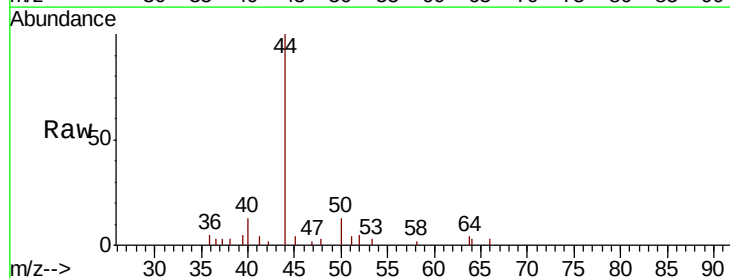
Instrument :
MSVOA_X
ClientSampleId :
S73-0226

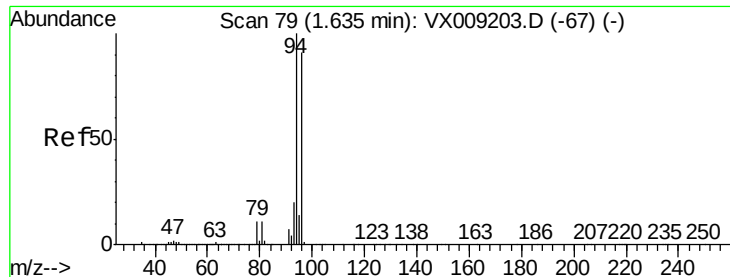
Tot Ion:168 Resp: 173701
Ion Ratio Lower Upper
168 100
99 53.2 42.3 63.5



#3
Chloromethane
Concen: 0.260 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX009753.D
Acq: 21 May 2019 17:21

Tgt Ion: 50 Resp: 569
Ion Ratio Lower Upper
50 100
52 37.9 25.9 38.9





#5

Bromomethane

Concen: 0.231 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009753.D

Acq: 21 May 2019 17:21

Instrument :

MSVOA_X

ClientSampled :

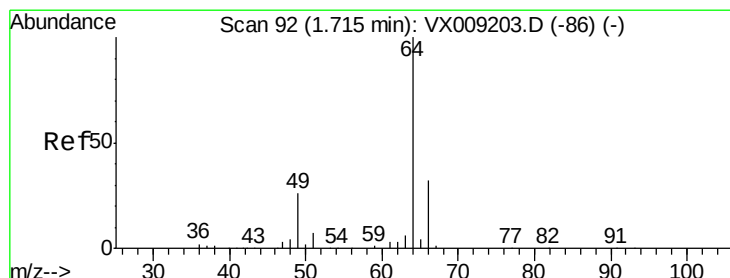
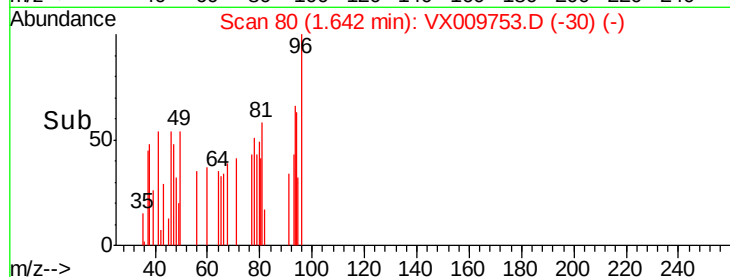
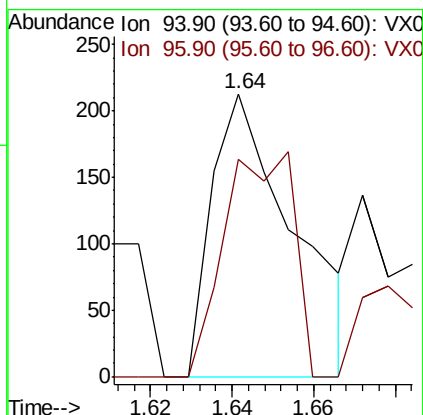
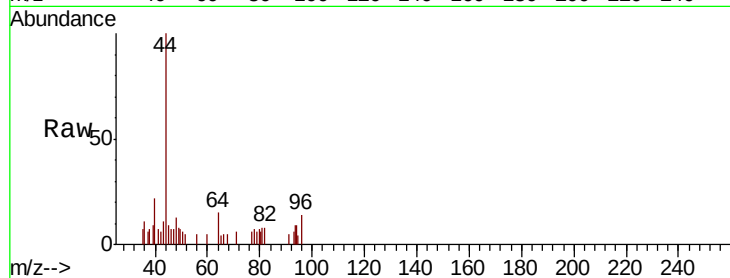
S73-0226

Tot Ion: 94 Resp: 296

Ion Ratio Lower Upper

94 100

96 61.9 73.0 109.6#



#6

Chloroethane

Concen: 1.302 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009753.D

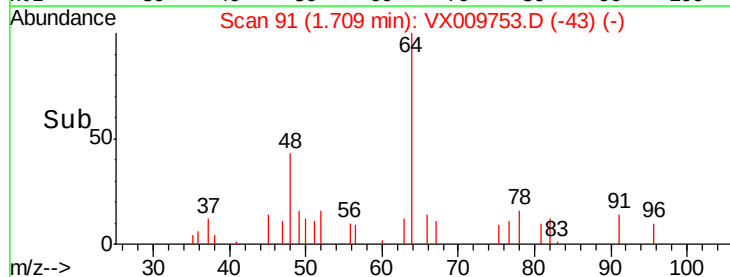
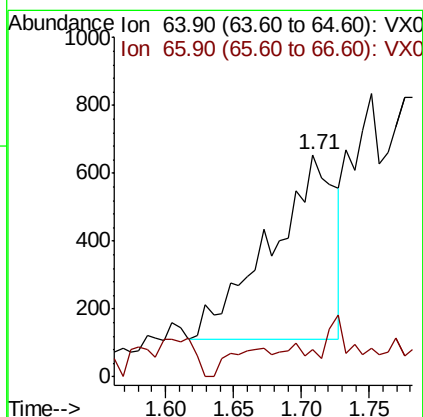
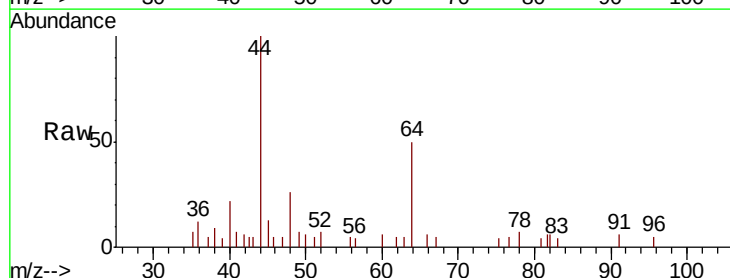
Acq: 21 May 2019 17:21

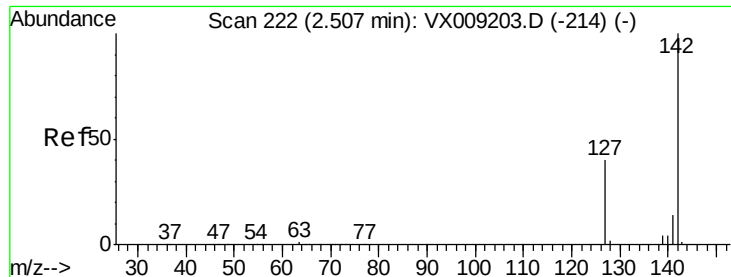
Tgt Ion: 64 Resp: 1782

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

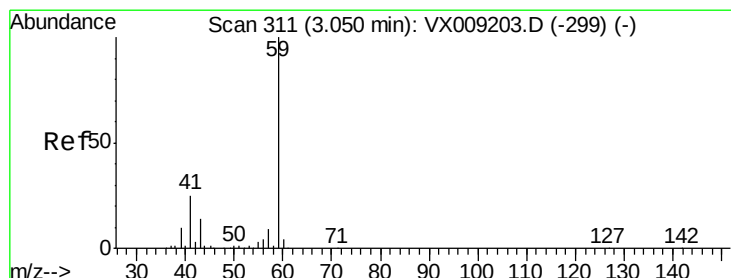
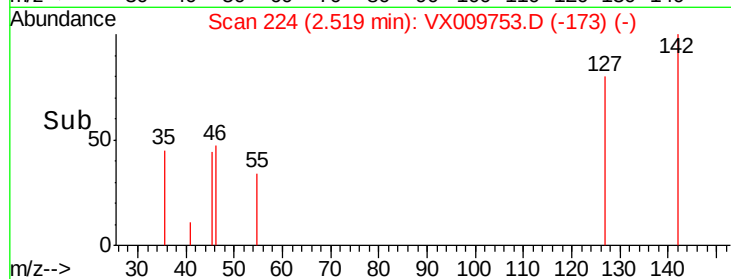
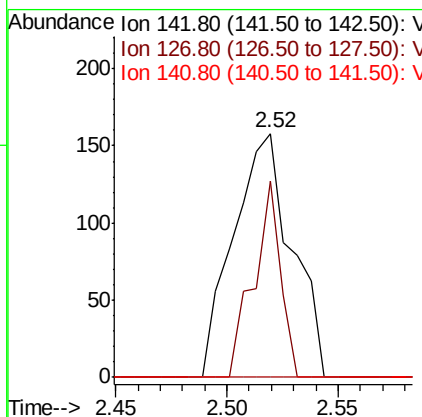
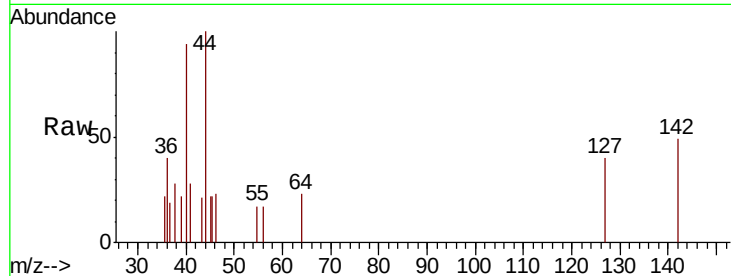




#10
Methvl Iodide
Concen: 4.732 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009753.D
Acq: 21 May 2019 17:21

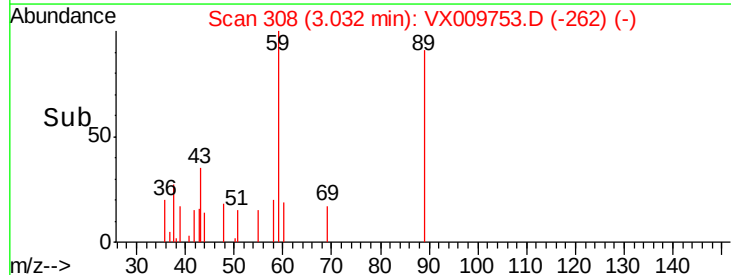
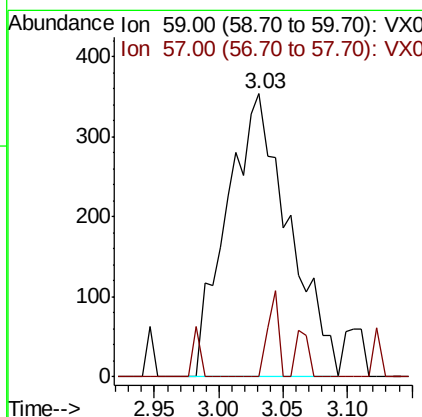
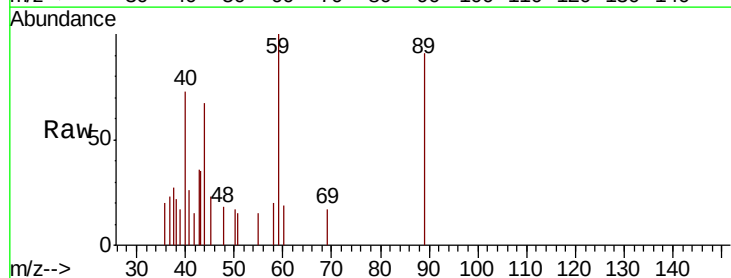
Instrument :
MSVOA_X
ClientSampleId :
S73-0226

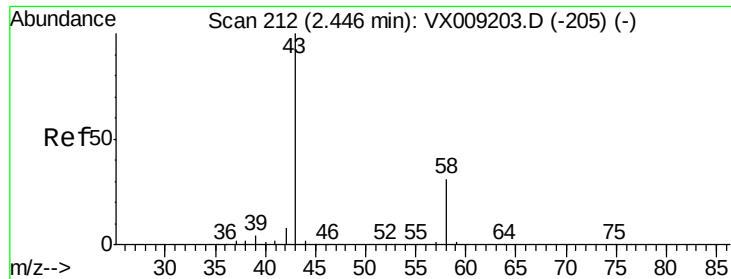
Tot Ion:142 Resp: 287
Ion Ratio Lower Upper
142 100
127 37.3 32.7 49.1
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 2.148 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009753.D
Acq: 21 May 2019 17:21

Tgt Ion: 59 Resp: 1179
Ion Ratio Lower Upper
59 100
57 5.3 8.2 12.2#

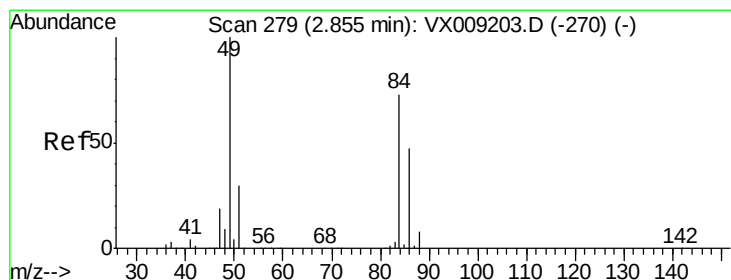
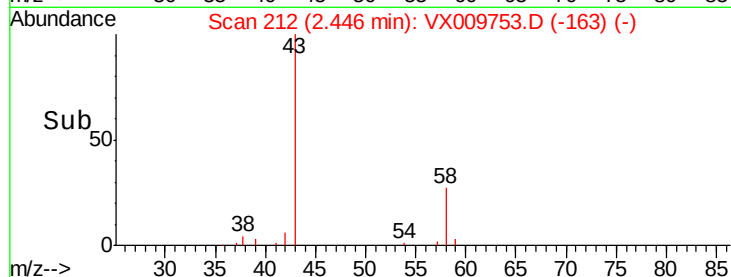
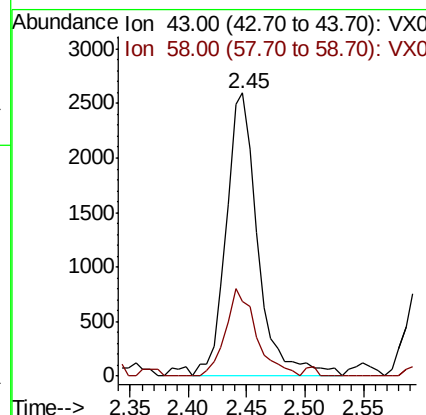
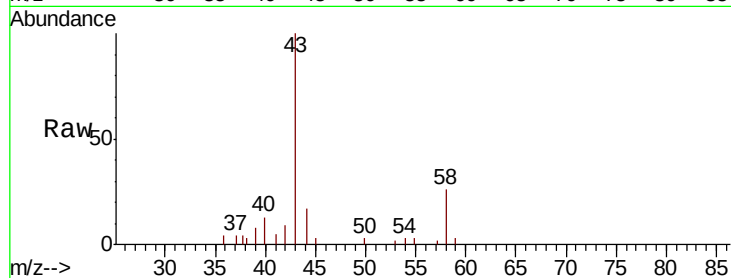




#16
 Acetone
 Concen: 3.848 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX009753.D
 Acq: 21 May 2019 17:21

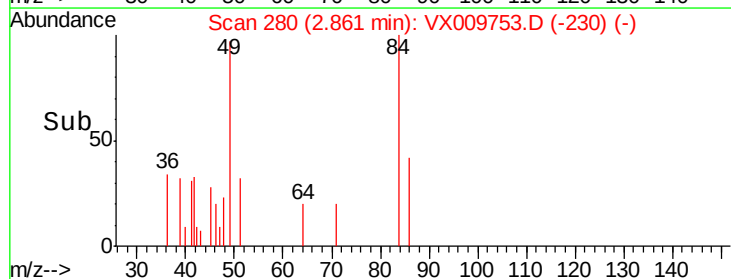
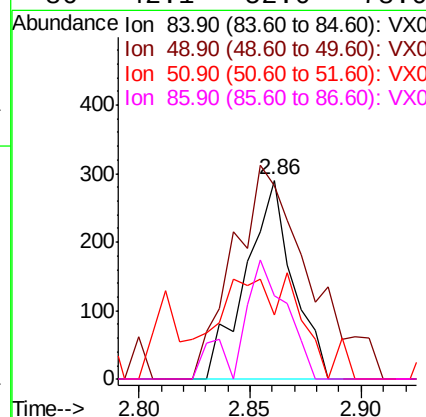
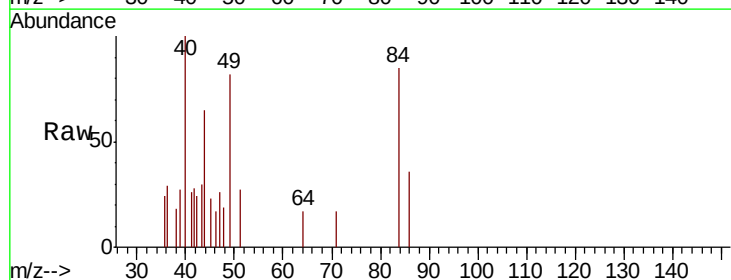
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0226

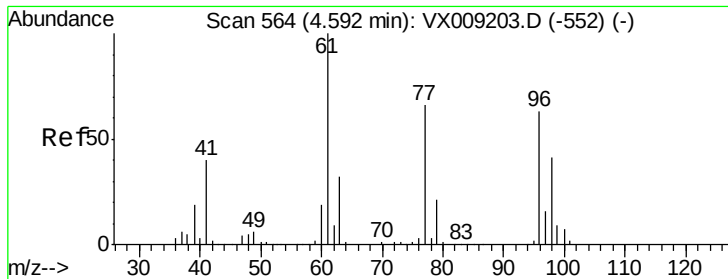
Tot Ion: 43 Resp: 4900
 Ion Ratio Lower Upper
 43 100
 58 26.3 24.9 37.3



#20
 Methylene Chloride
 Concen: 0.207 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX009753.D
 Acq: 21 May 2019 17:21

Tgt Ion: 84 Resp: 427
 Ion Ratio Lower Upper
 84 100
 49 97.2 109.9 164.9#
 51 11.7 32.7 49.1#
 86 42.1 52.0 78.0#



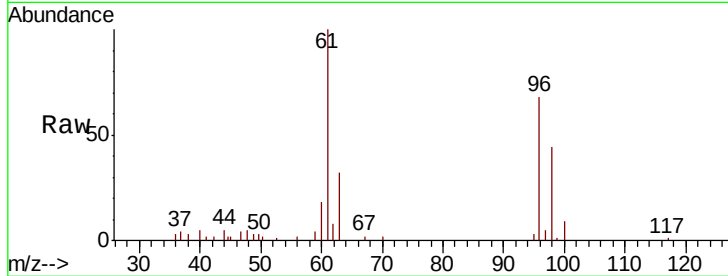


#27

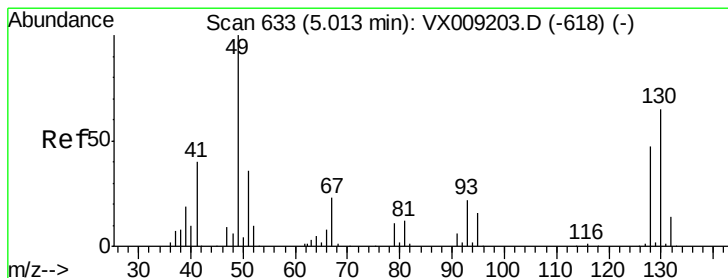
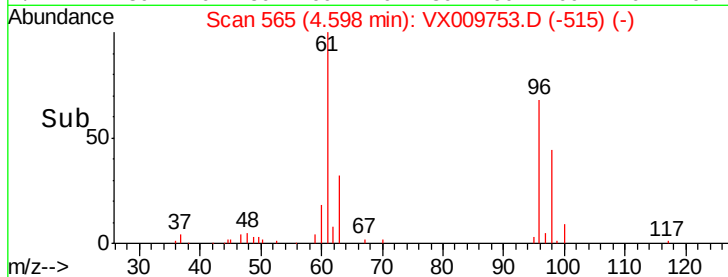
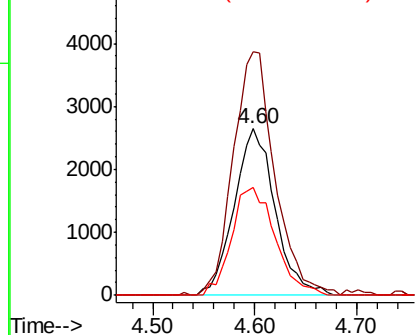
cis-1,2-Dichloroethene
 Concen: 3.499 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009753.D
 Acq: 21 May 2019 17:21

Instrument :
 MSVOA_X
 ClientSampled :
 S73-0226

Tot Ion: 96 Resp: 7381
 Ion Ratio Lower Upper
 96 100
 61 148.5 0.0 324.0
 98 69.0 0.0 130.4



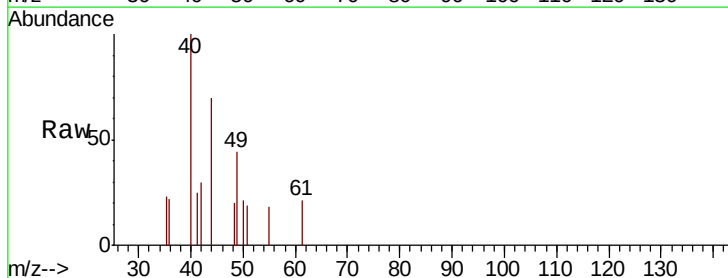
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



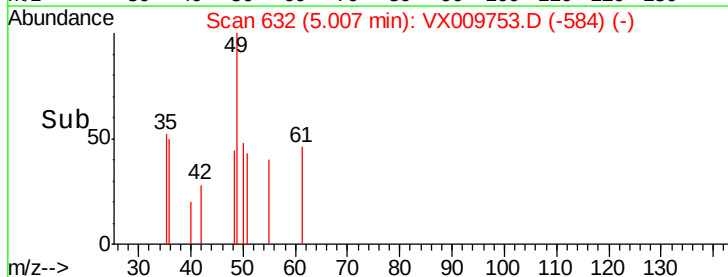
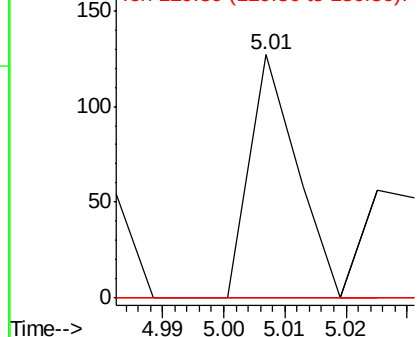
#28

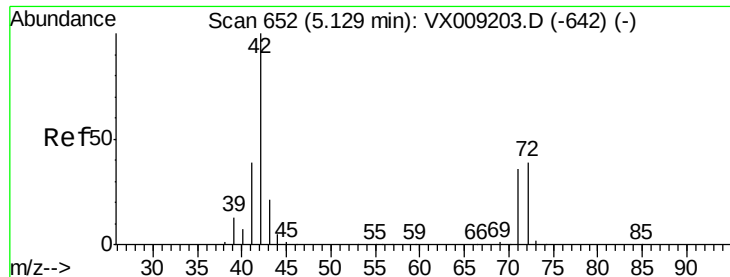
Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX009753.D
 Acq: 21 May 2019 17:21

Tgt Ion: 49 Resp: 68
 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





#29

Tetrahydrofuran

Concen: 0.220 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX009753.D

Acq: 21 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

S73-0226

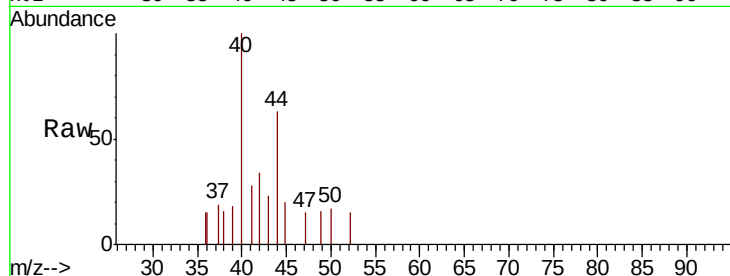
Tot Ion: 42 Resp: 280

Ion Ratio Lower Upper

42 100

72 0.0 30.4 45.6#

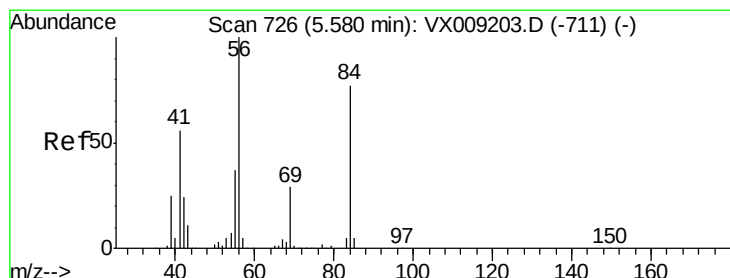
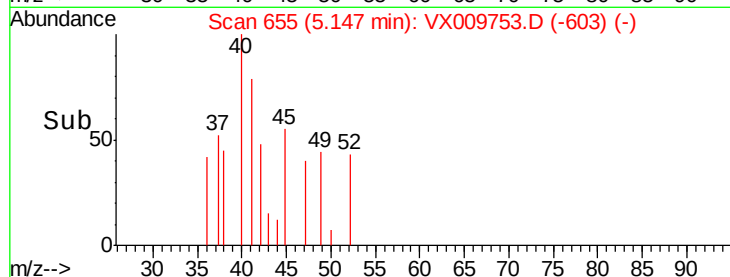
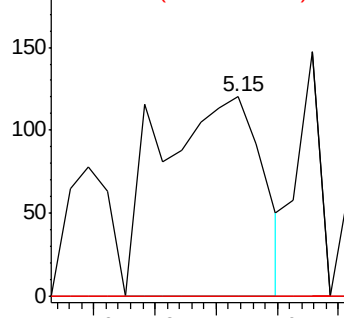
71 0.0 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.182 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009753.D

Acq: 21 May 2019 17:21

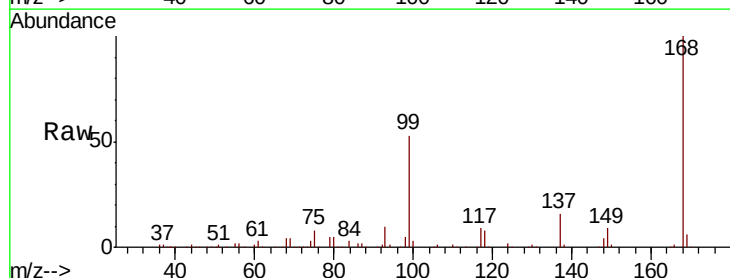
Tgt Ion: 56 Resp: 4144

Ion Ratio Lower Upper

56 100

69 159.2 23.4 35.0#

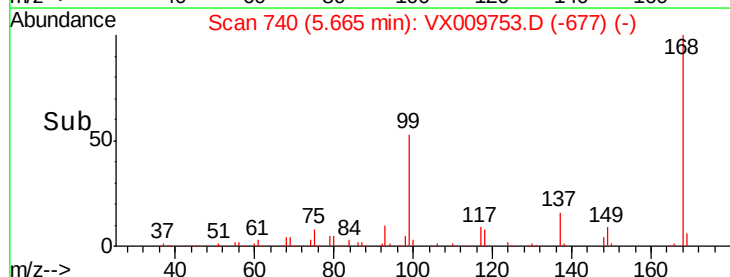
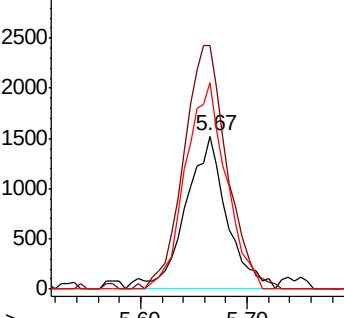
84 134.8 61.9 92.9#

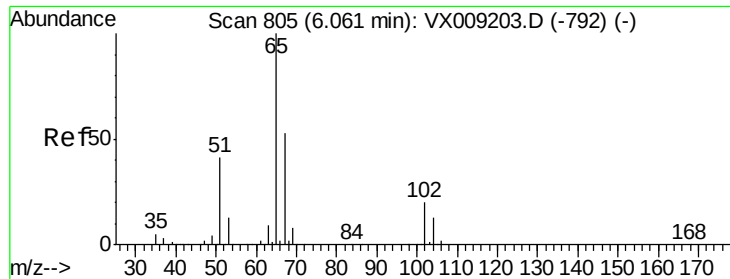


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

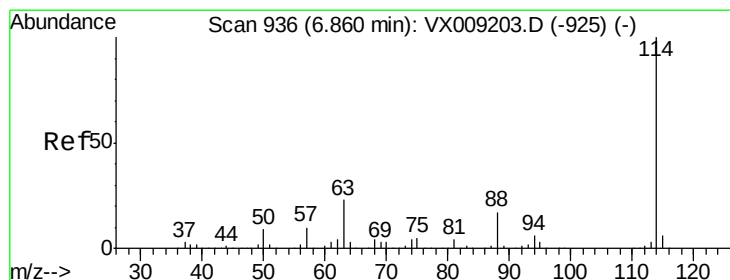
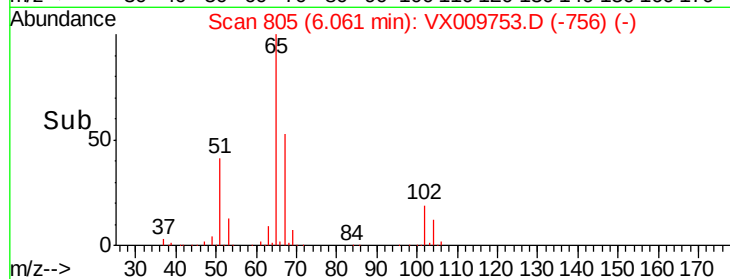
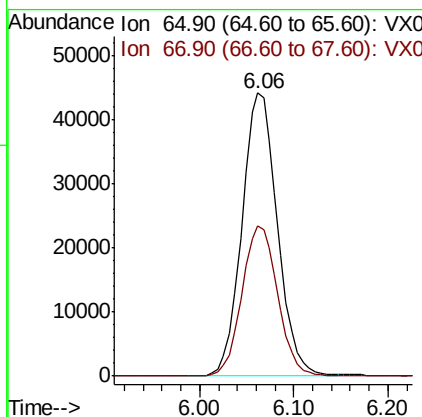
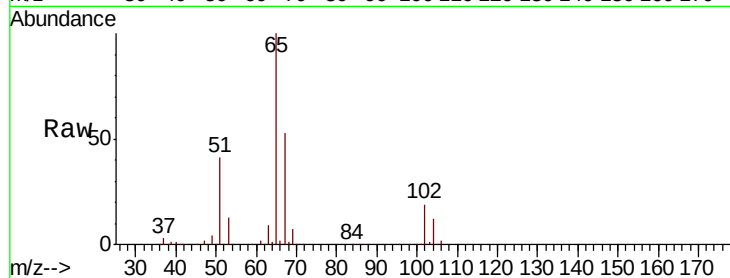




#33
 1,2-Dichloroethane-d4
 Concen: 49.048 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009753.D
 Acq: 21 May 2019 17:21

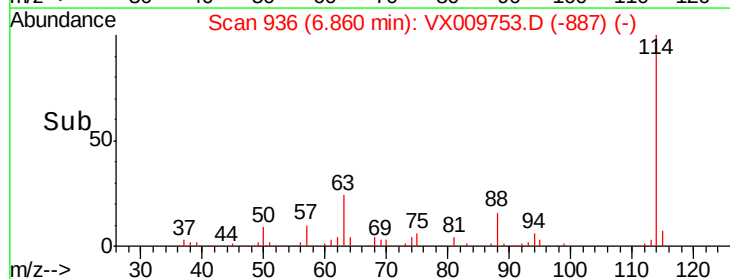
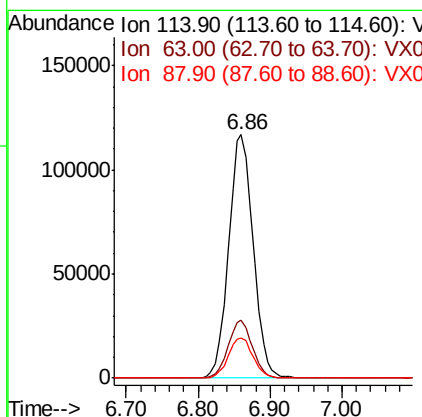
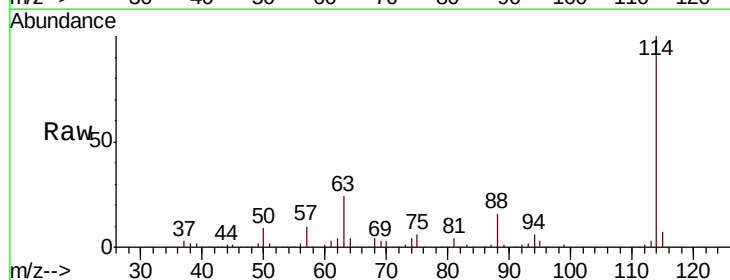
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0226

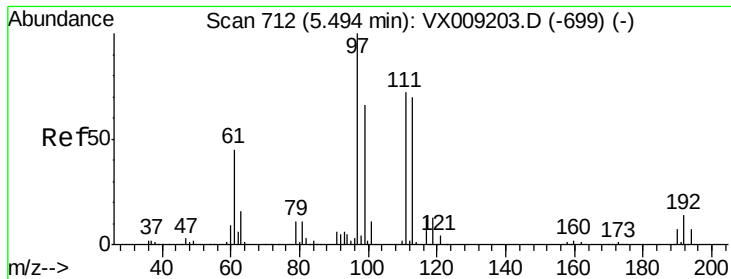
Tot Ion: 65 Resp: 116305
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009753.D
 Acq: 21 May 2019 17:21

Tgt Ion: 114 Resp: 277489
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 45.6
 88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.600 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009753.D

Acq: 21 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

S73-0226

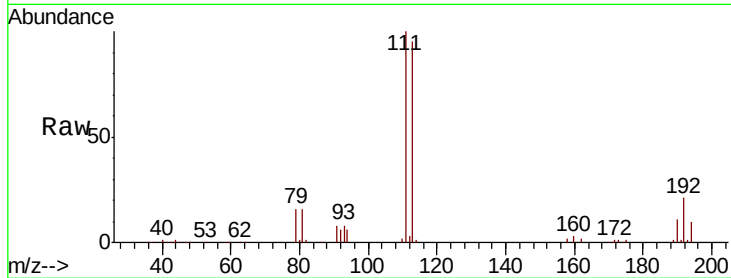
Tot Ion:113 Resp: 84779

Ion Ratio Lower Upper

113 100

111 103.9 82.8 124.2

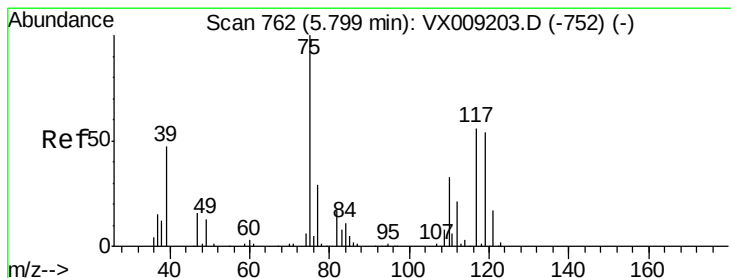
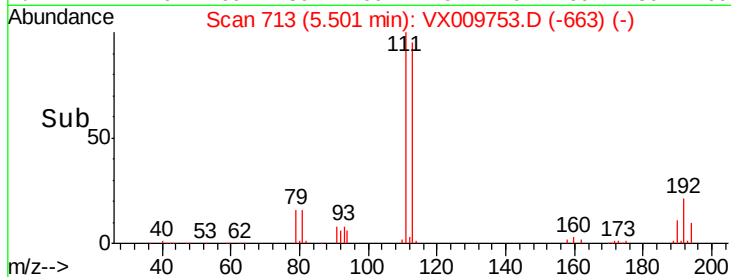
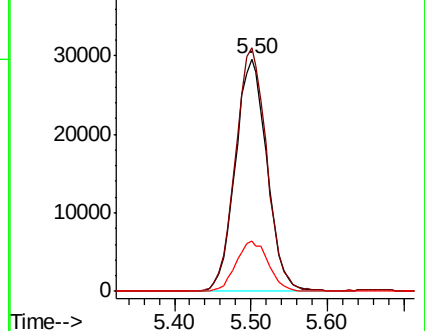
192 21.9 17.0 25.6



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: 5.254 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009753.D

Acq: 21 May 2019 17:21

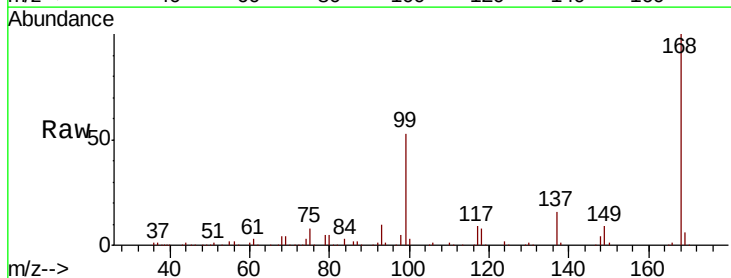
Tgt Ion: 75 Resp: 13549

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.6#

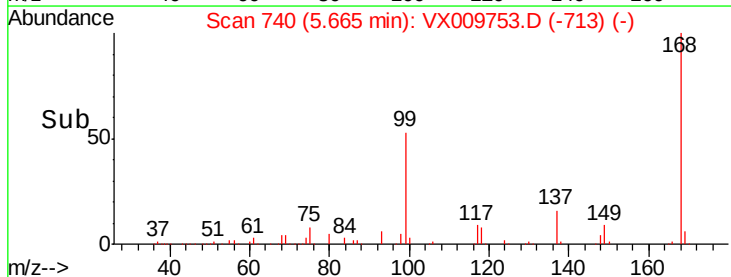
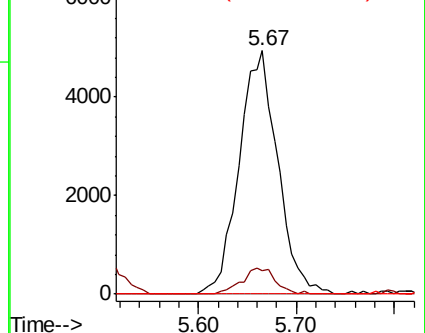
77 0.0 24.8 37.2#

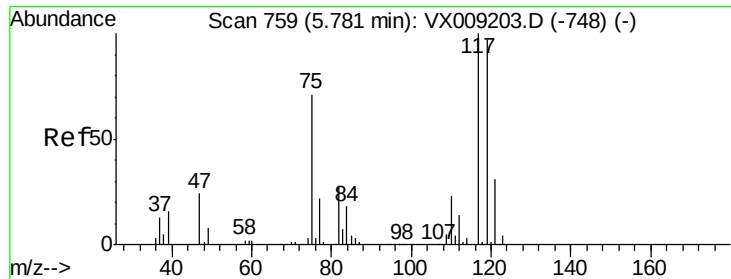


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.983 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009753.D

Acq: 21 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

S73-0226

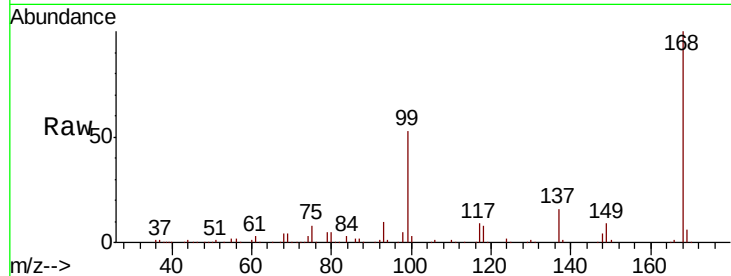
Tot Ion:117 Resp: 16360

Ion Ratio Lower Upper

117 100

119 5.2 77.5 116.3#

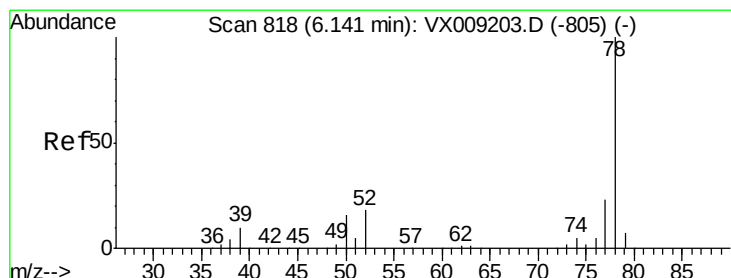
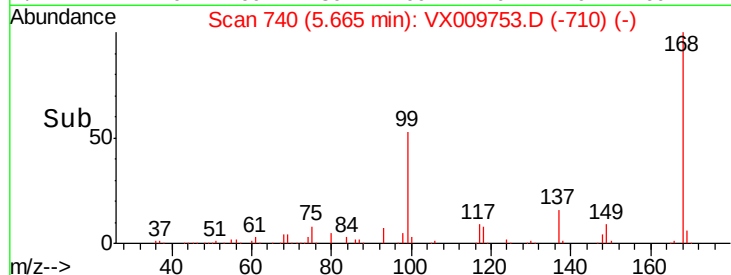
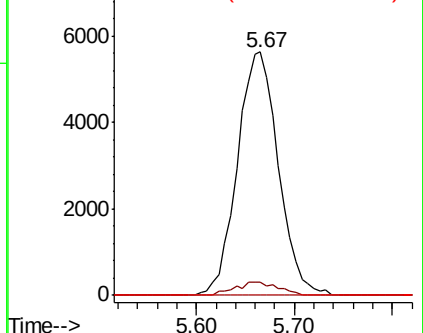
121 0.0 24.7 37.1#



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



#40

Benzene

Concen: 0.455 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX009753.D

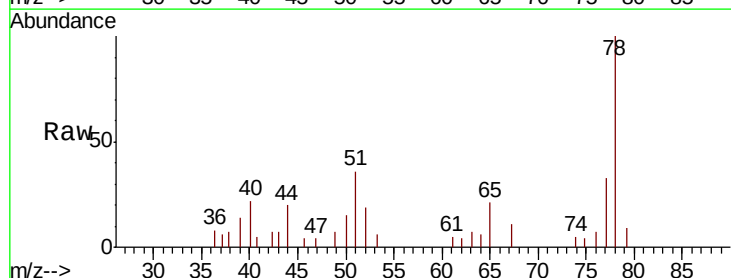
Acq: 21 May 2019 17:21

Tgt Ion: 78 Resp: 3632

Ion Ratio Lower Upper

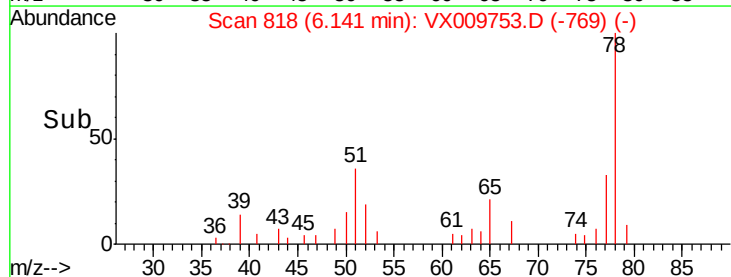
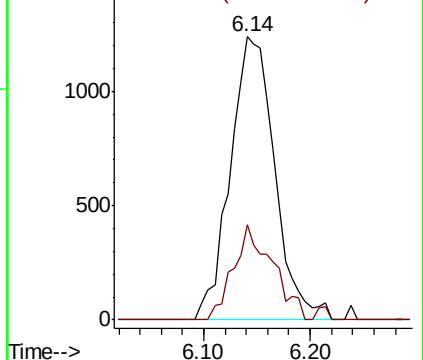
78 100

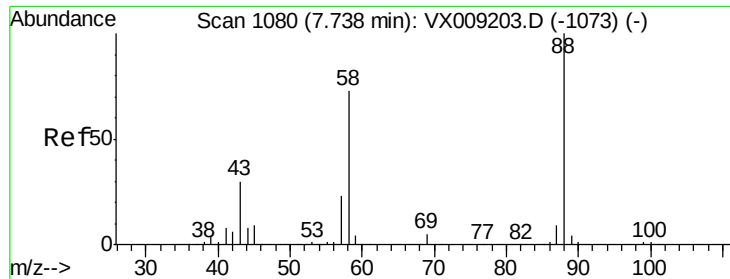
77 33.4 18.8 28.2#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

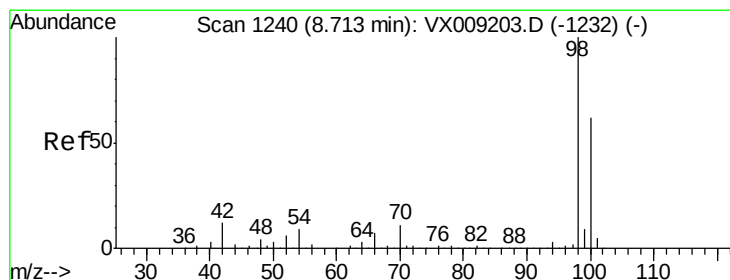
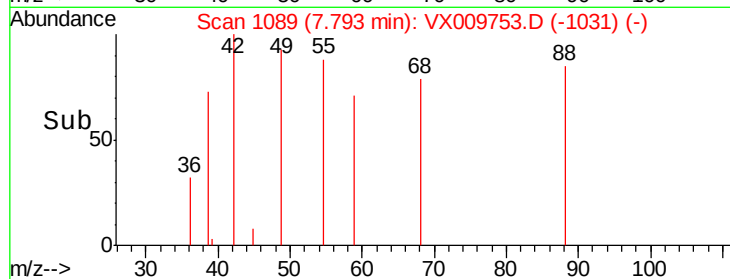
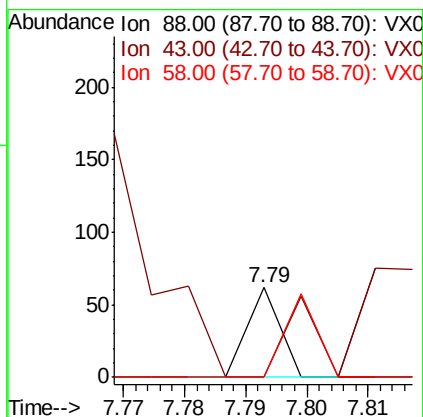
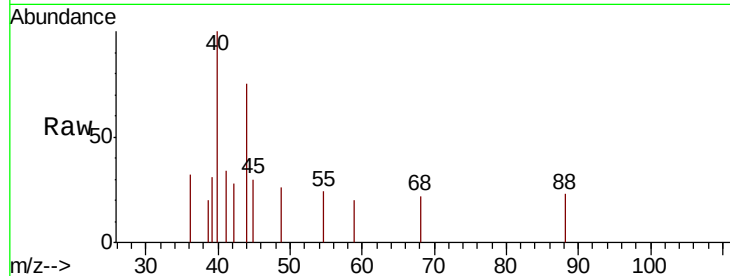




#49
 1,4-Dioxane
 Concen: 0.398 ug/l
 RT: 7.79 min Scan# 1089
 Delta R.T. 0.05 min
 Lab File: VX009753.D
 Acq: 21 May 2019 17:21

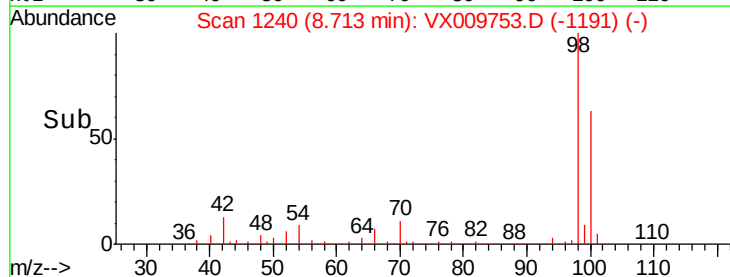
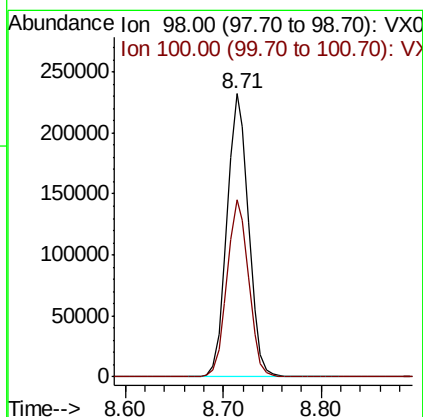
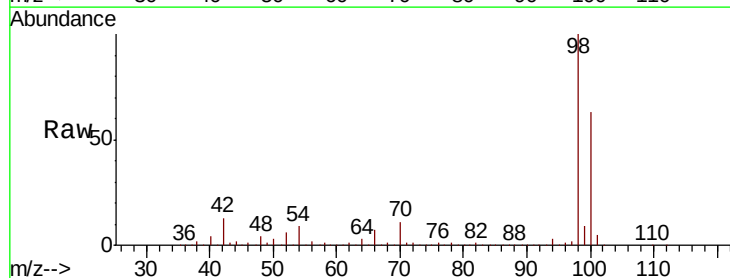
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0226

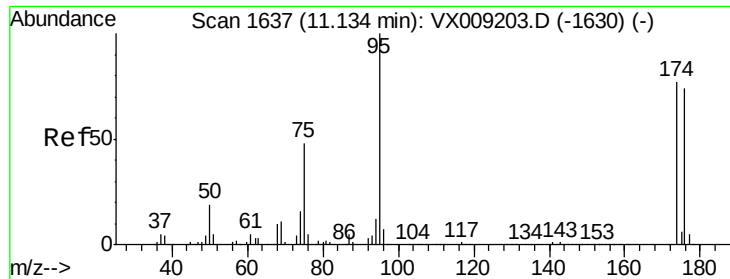
Tot Ion: 88 Resp: 23
 Ion Ratio Lower Upper
 88 100
 43 643.5 28.6 42.8#
 58 91.3 61.7 92.5



#50
 Toluene-d8
 Concen: 50.362 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009753.D
 Acq: 21 May 2019 17:21

Tgt Ion: 98 Resp: 354682
 Ion Ratio Lower Upper
 98 100
 100 63.0 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 45.326 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009753.D

Acq: 21 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

S73-0226

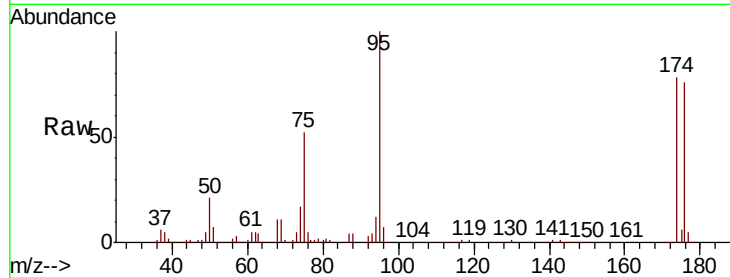
Tot Ion: 95 Resp: 115991

Ion Ratio Lower Upper

95 100

174 83.1 0.0 161.6

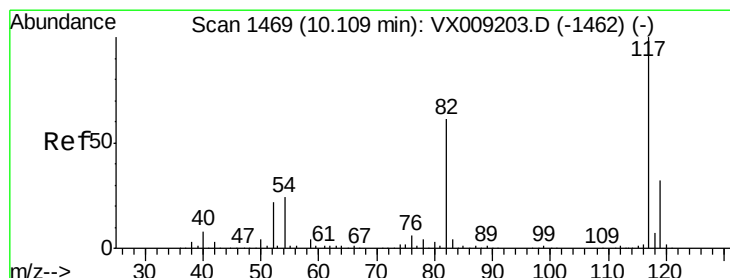
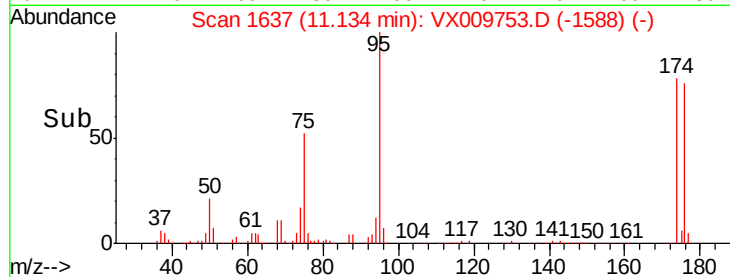
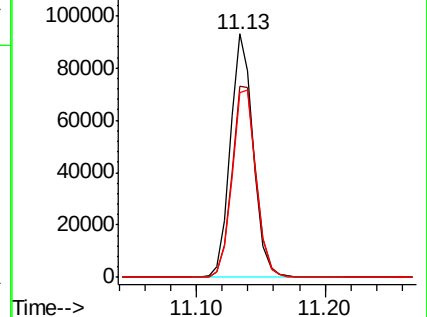
176 80.8 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009753.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009753.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009753.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009753.D

Acq: 21 May 2019 17:21

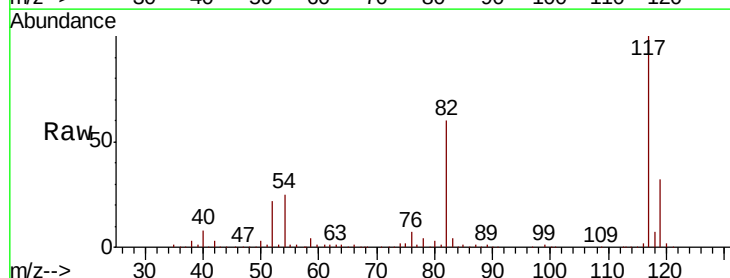
Tgt Ion: 117 Resp: 247504

Ion Ratio Lower Upper

117 100

82 60.2 48.8 73.2

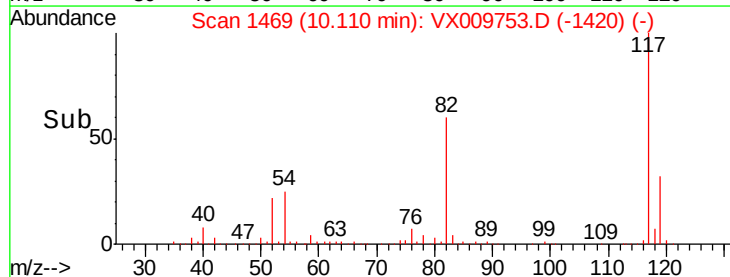
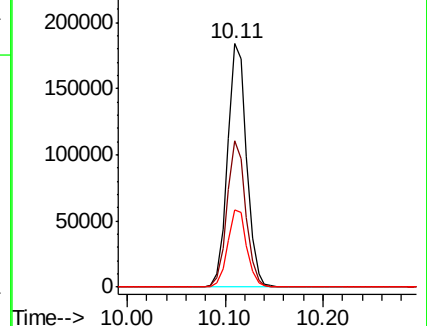
119 31.8 25.8 38.6

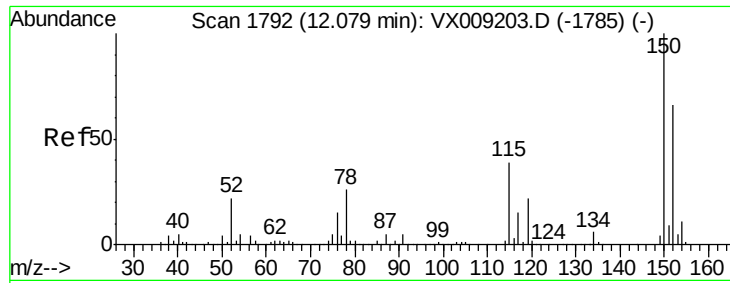


Abundance Ion 116.90 (116.60 to 117.60): VX009753.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009753.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009753.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: VX009753.D

Acq: 21 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

S73-0226

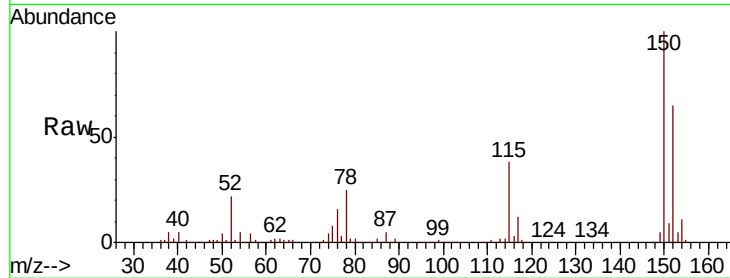
Tot Ion:152 Resp: 106481

Ion Ratio Lower Upper

152 100

115 58.9 41.2 123.6

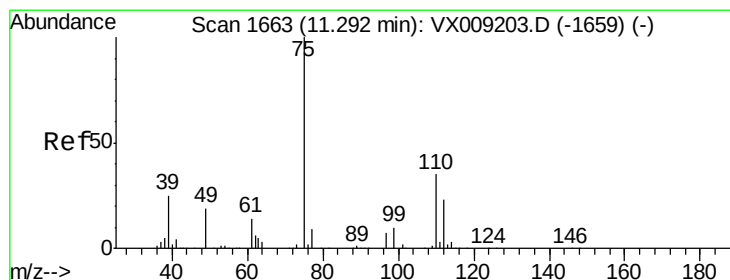
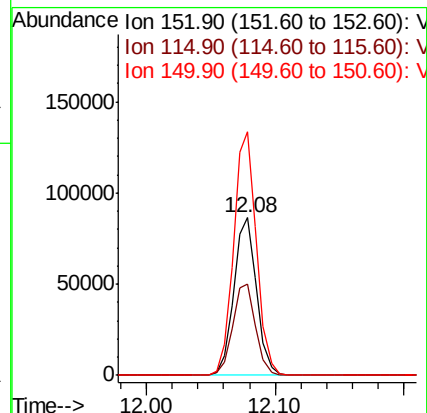
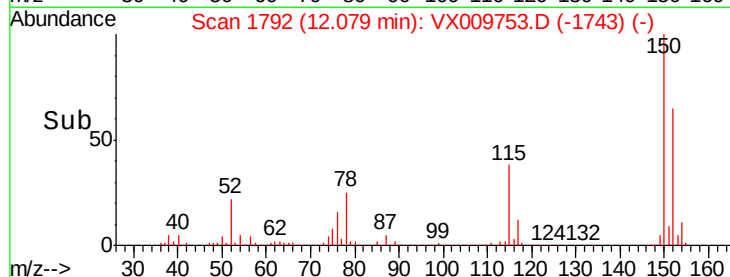
150 155.6 0.0 346.4



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: 24.512 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009753.D

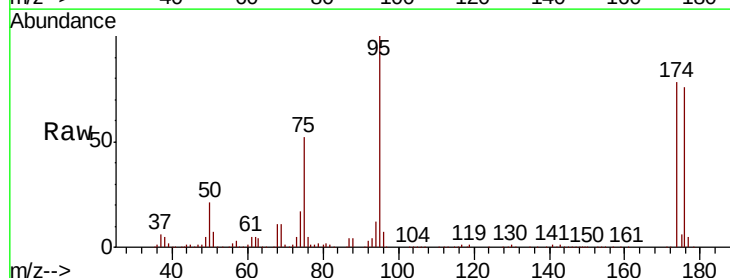
Acq: 21 May 2019 17:21

Tgt Ion: 75 Resp: 60544

Ion Ratio Lower Upper

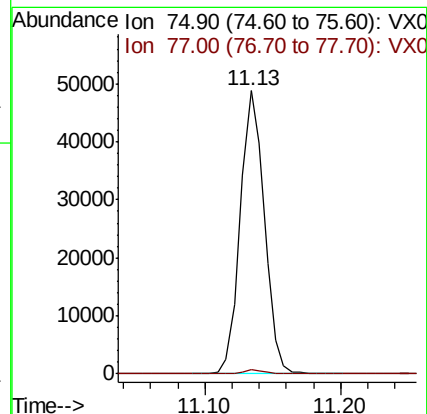
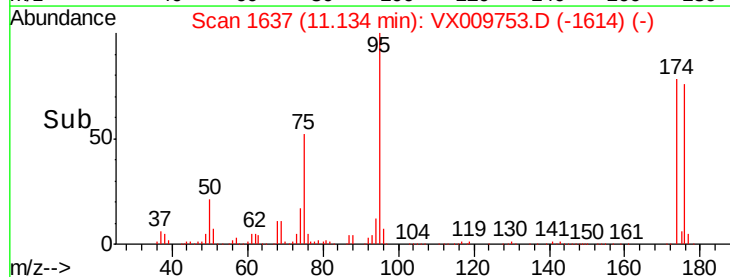
75 100

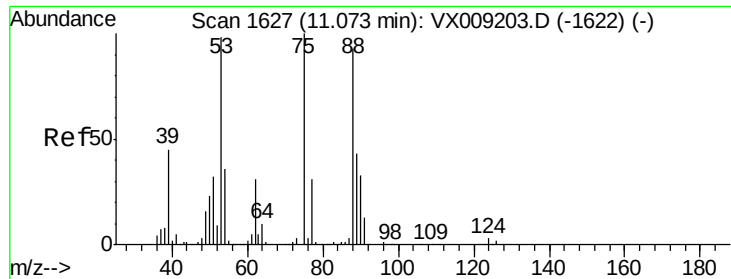
77 1.3 22.1 66.1#



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: 62.717 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009753.D

Acq: 21 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

S73-0226

Tot Ion: 75 Resp: 60544

Ion Ratio Lower Upper

75 100

53 0.3 79.0 118.6#

89 0.0 34.7 52.1#

