

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052019\
 Data File : VX009733.D
 Acq On : 20 May 2019 18:00
 Operator : JC/SP
 Sample : K2910-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0225

Quant Time: May 21 07:42:30 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

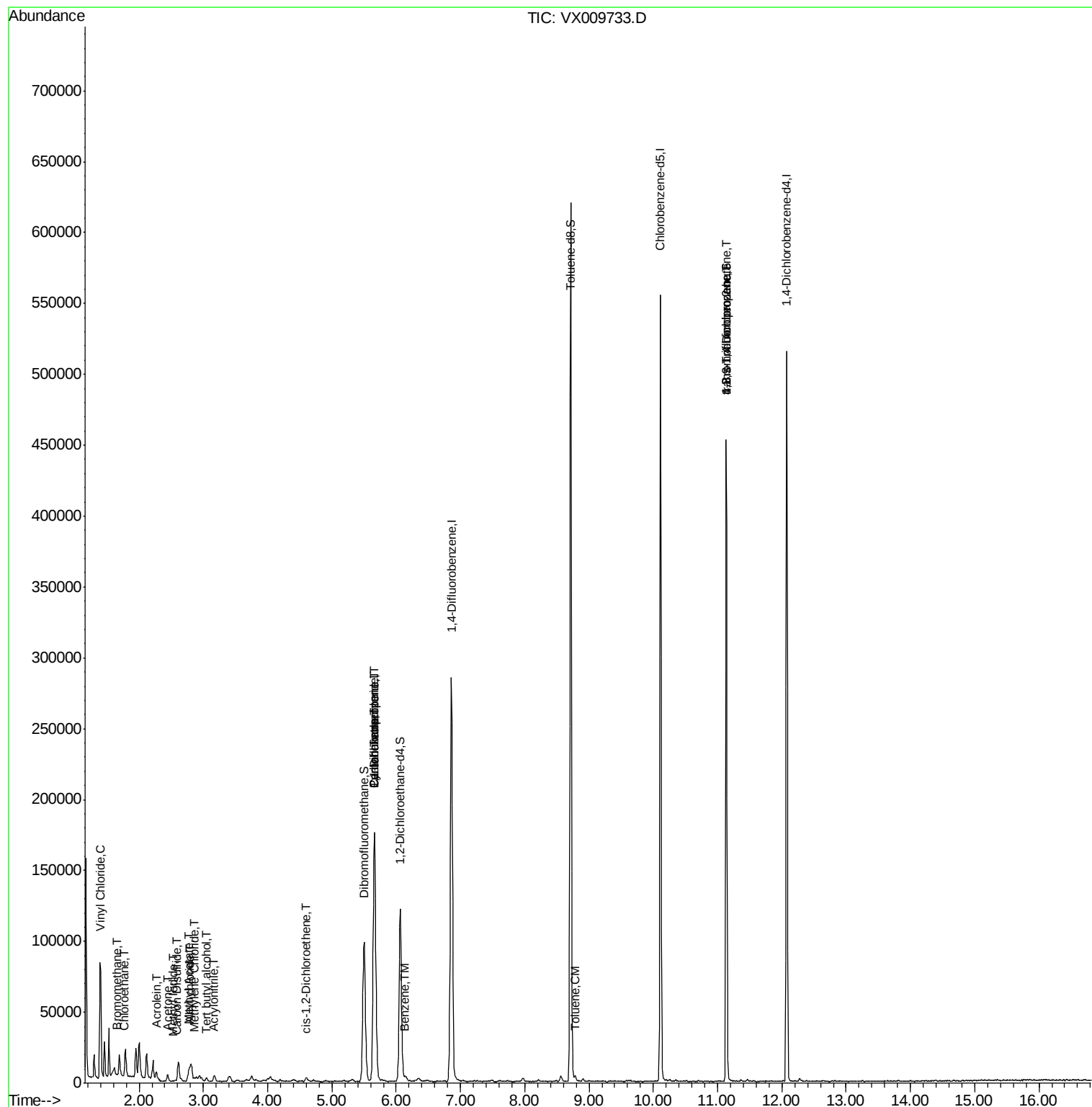
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	171696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	275175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104796	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115065	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
35) Dibromofluoromethane	5.50	113	83472	48.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.50%	
50) Toluene-d8	8.71	98	347033	49.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	11.13	95	115245	45.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.82%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.41	62	827	0.393	ug/l	99
5) Bromomethane	1.65	94	390	0.308	ug/l #	70
6) Chloroethane	1.76	64	324	0.240	ug/l #	48
10) Methyl Iodide	2.52	142	160	4.672	ug/l	98
11) Tert butyl alcohol	3.05	59	2336	4.306	ug/l #	74
13) Acrolein	2.28	56	408	0.830	ug/l #	1
14) Allyl chloride	2.78	41	4814	1.226	ug/l #	30
15) Acrylonitrile	3.16	53	308	0.232	ug/l #	17
16) Acetone	2.45	43	4675	3.715	ug/l	98
17) Carbon Disulfide	2.57	76	1036	0.229	ug/l #	79
18) Methyl Acetate	2.77	43	2251	0.752	ug/l #	61
20) Methylene Chloride	2.85	84	577	0.283	ug/l #	76
27) cis-1,2-Dichloroethene	4.60	96	1390	0.667	ug/l	94
28) Bromochloromethane	5.02	49	25	Below Cal	#	20
31) Cyclohexane	5.66	56	3955	1.141	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13392	5.237	ug/l #	51
38) Carbon Tetrachloride	5.66	117	15917	6.851	ug/l #	15
40) Benzene	6.14	78	3216	0.406	ug/l	94
52) Toluene	8.78	92	1066	0.222	ug/l	82
76) 1,2,3-Trichloropropane	11.13	75	59912	24.646	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59912	63.061	ug/l #	10

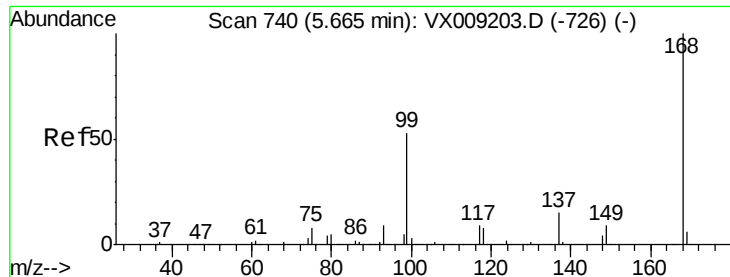
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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QLast Update : Thu May 09 07:31:15 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: VX009733.D

Acq: 20 May 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

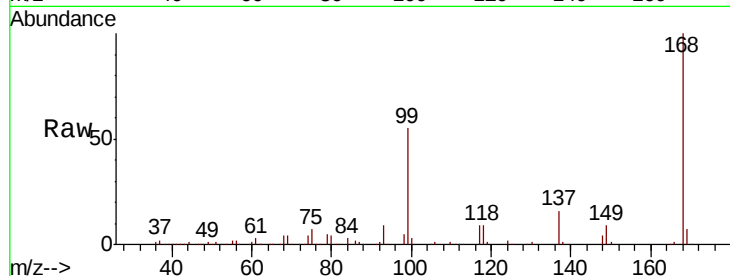
S73-0225

Tot Ion:168 Resp: 171696

Ion Ratio Lower Upper

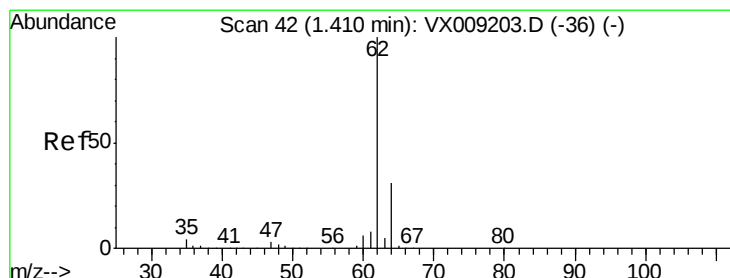
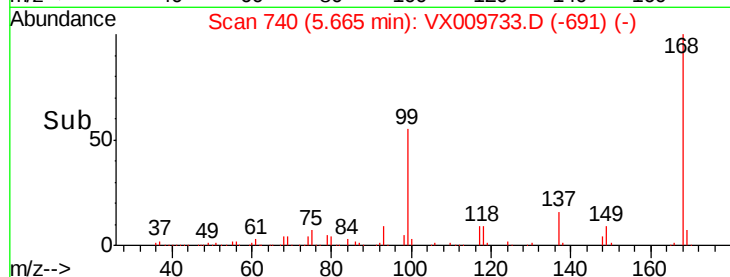
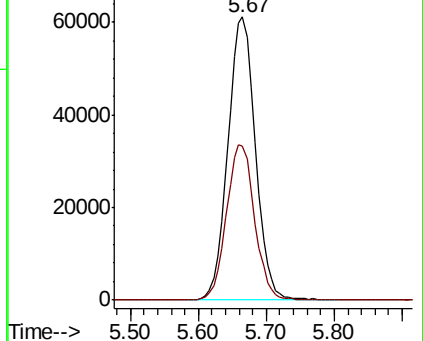
168 100

99 54.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.393 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009733.D

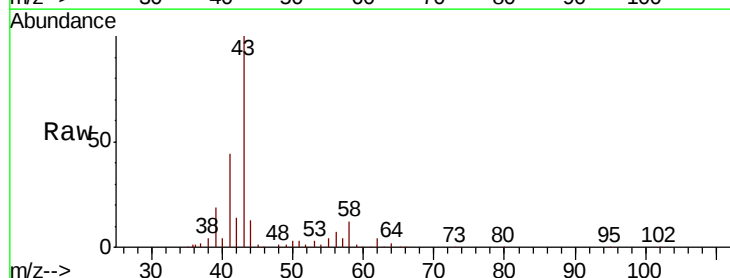
Acq: 20 May 2019 18:00

Tgt Ion: 62 Resp: 827

Ion Ratio Lower Upper

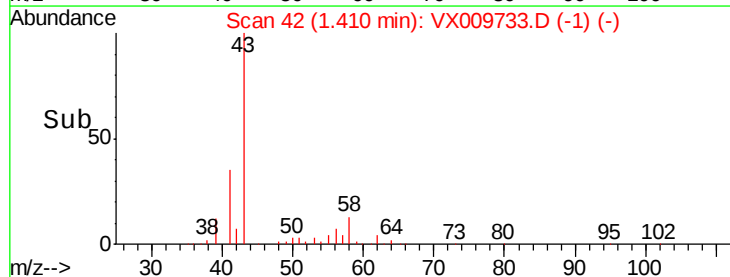
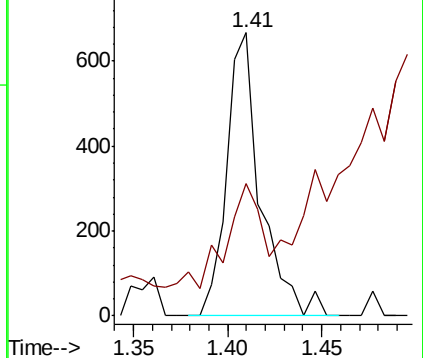
62 100

64 31.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.308 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009733.D

Acq: 20 May 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

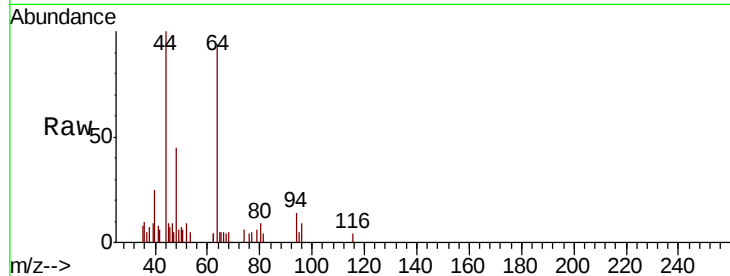
S73-0225

Tot Ion: 94 Resp: 390

Ion Ratio Lower Upper

94 100

96 62.4 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

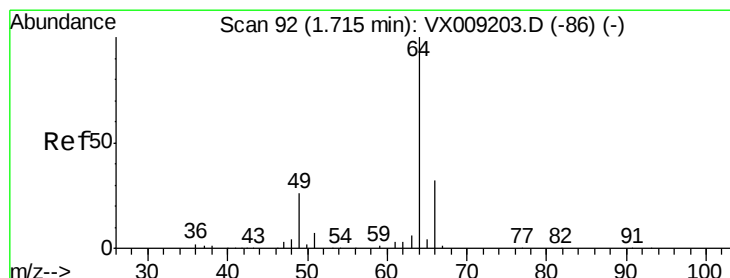
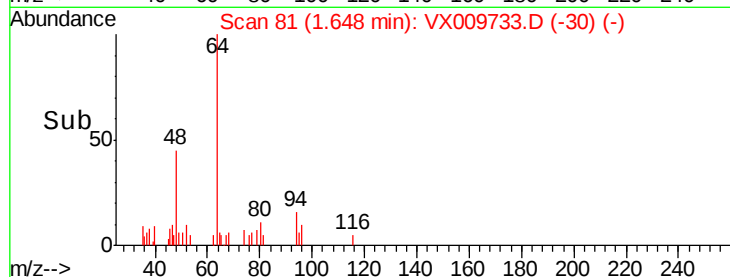
100

50

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 0.240 ug/l

RT: 1.76 min Scan# 99

Delta R.T. 0.04 min

Lab File: VX009733.D

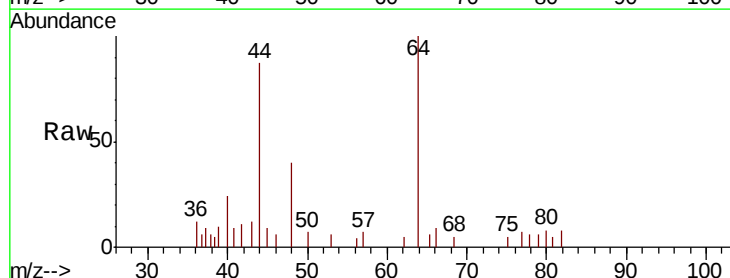
Acq: 20 May 2019 18:00

Tgt Ion: 64 Resp: 324

Ion Ratio Lower Upper

64 100

66 3.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.76

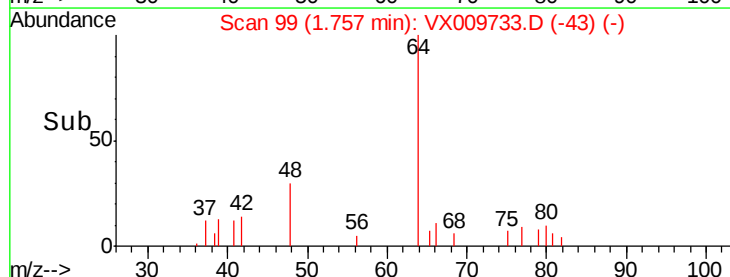
1000

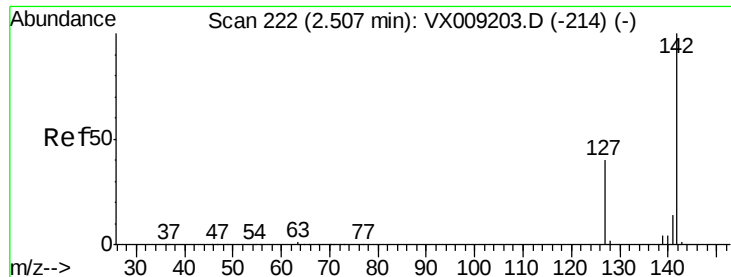
500

0

1.74 1.75 1.76 1.77

Time-->

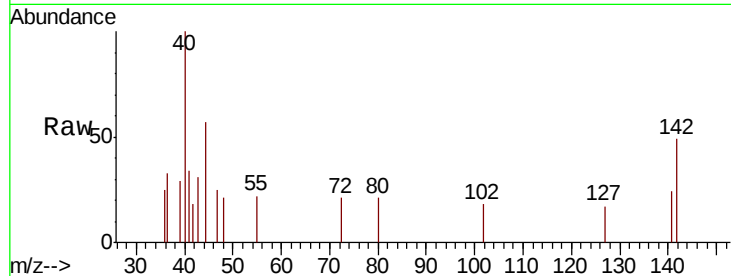




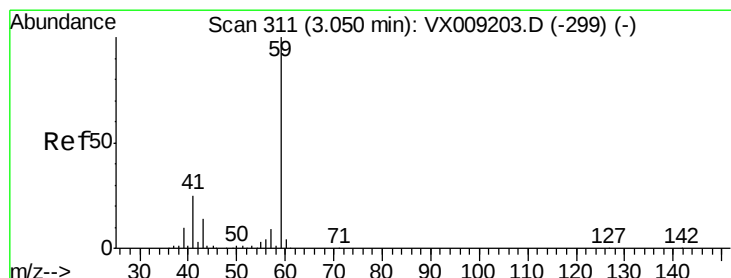
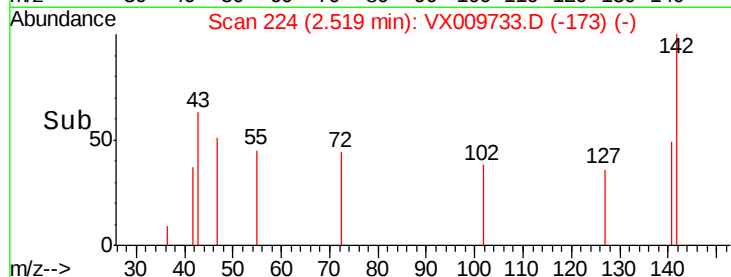
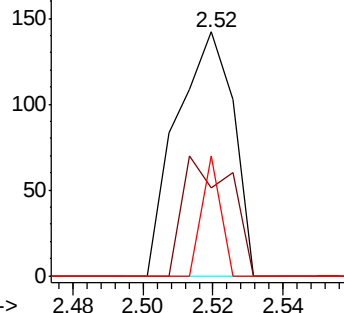
#10
Methvl Iodide
Concen: 4.672 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009733.D
Acq: 20 May 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S73-0225

Tot Ion:142 Resp: 160
Ion Ratio Lower Upper
142 100
127 41.3 32.7 49.1
141 16.3 11.5 17.3

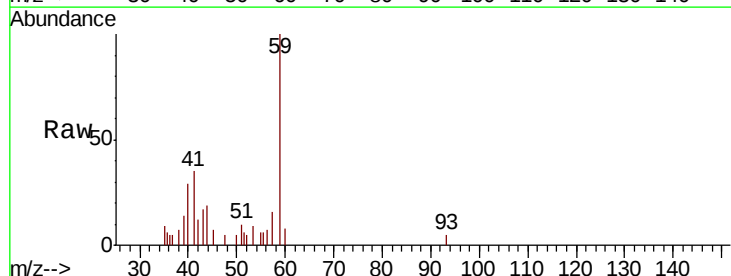


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

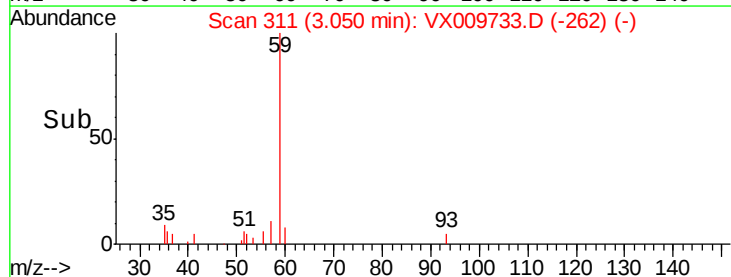
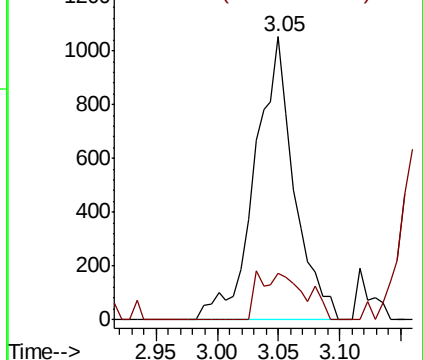


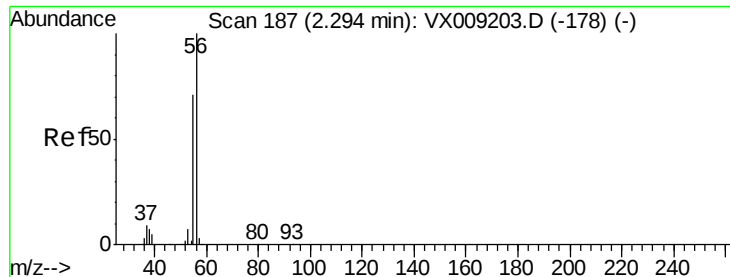
#11
Tert butyl alcohol
Concen: 4.306 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009733.D
Acq: 20 May 2019 18:00

Tgt Ion: 59 Resp: 2336
Ion Ratio Lower Upper
59 100
57 19.8 8.2 12.2#



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





#13

Acrolein

Concen: 0.830 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX009733.D

Acq: 20 May 2019 18:00

Instrument :

MSVOA_X

ClientSampled :

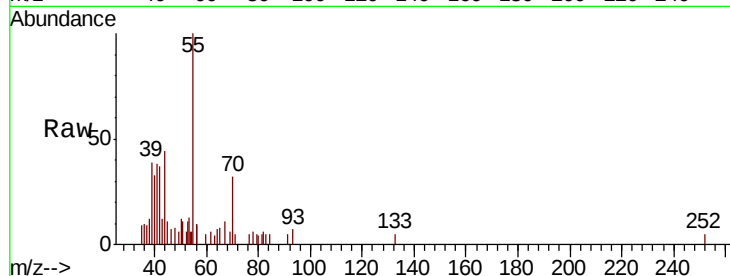
S73-0225

Tot Ion: 56 Resp: 408

Ion Ratio Lower Upper

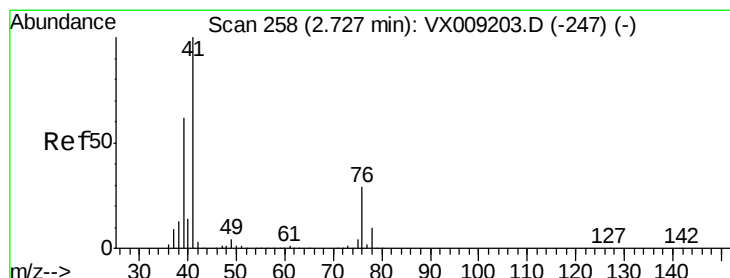
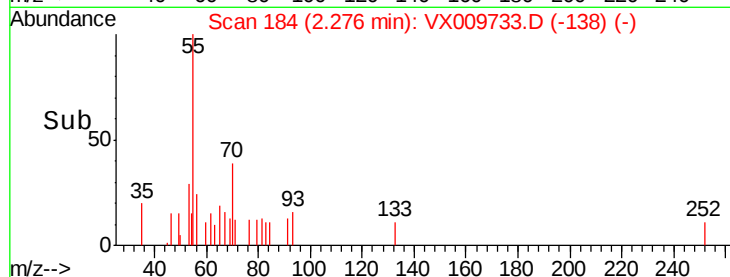
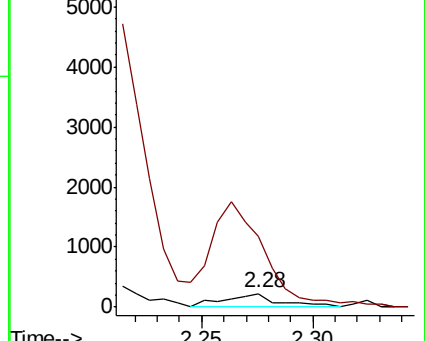
56 100

55 722.5 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.226 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.05 min

Lab File: VX009733.D

Acq: 20 May 2019 18:00

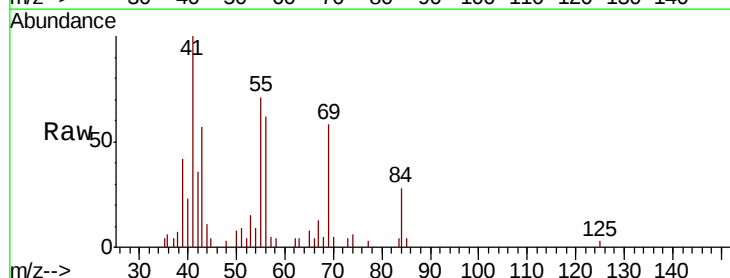
Tgt Ion: 41 Resp: 4814

Ion Ratio Lower Upper

41 100

39 0.0 46.7 70.1#

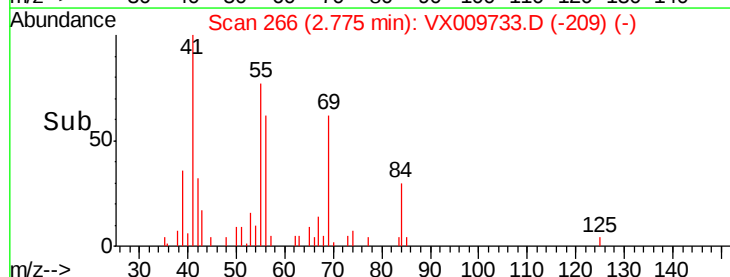
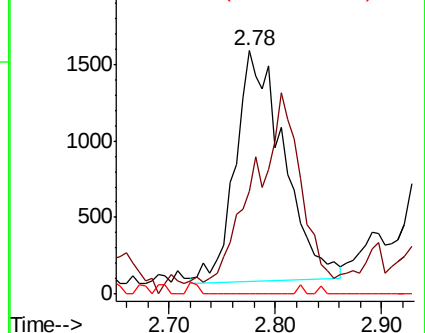
76 0.0 21.8 32.8#

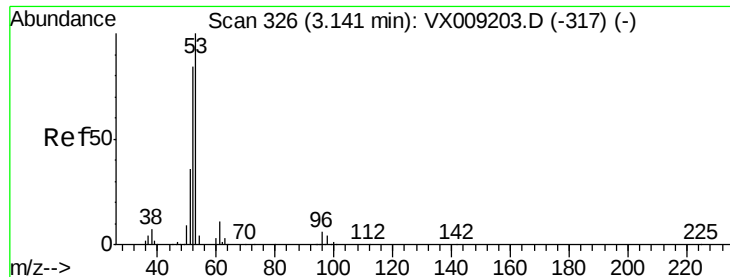


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 0.232 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX009733.D

Acq: 20 May 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

S73-0225

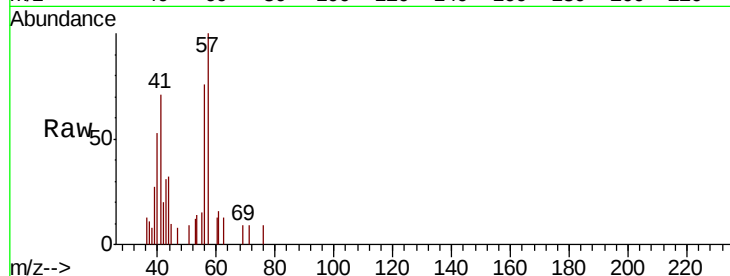
Tot Ion: 53 Resp: 308

Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

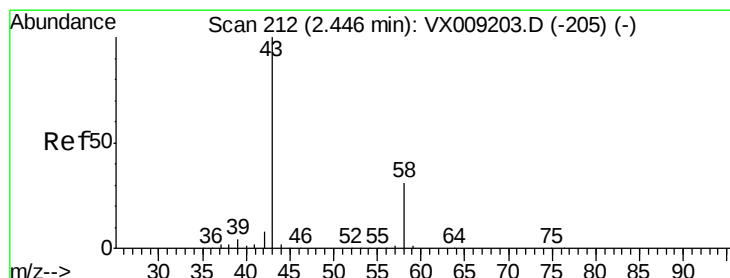
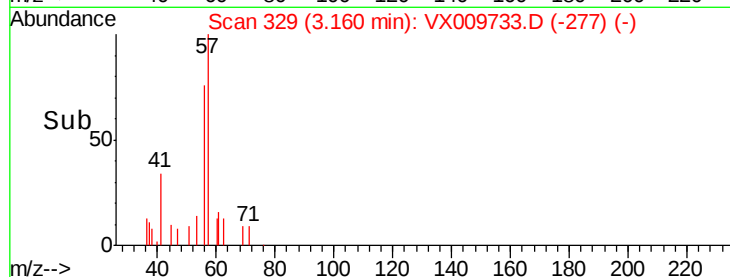
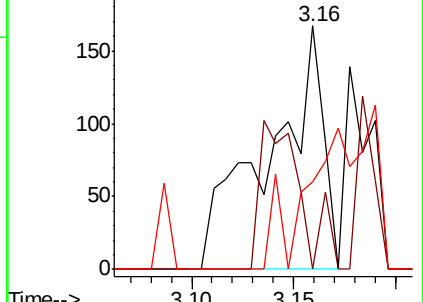
51 0.0 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 3.715 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009733.D

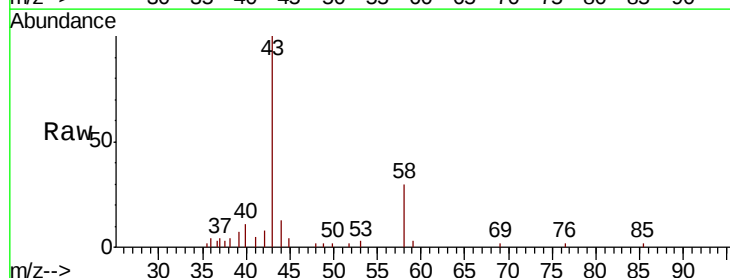
Acq: 20 May 2019 18:00

Tgt Ion: 43 Resp: 4675

Ion Ratio Lower Upper

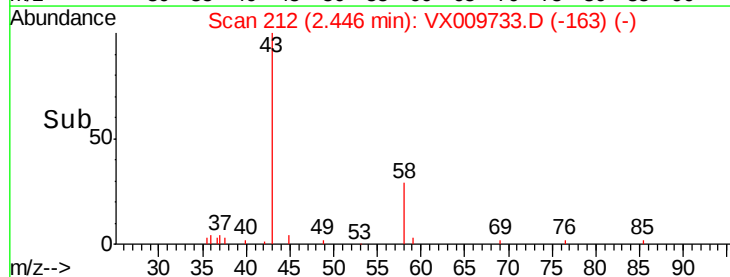
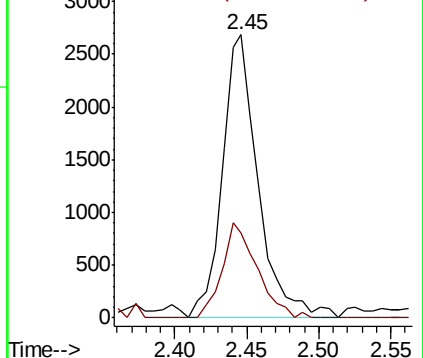
43 100

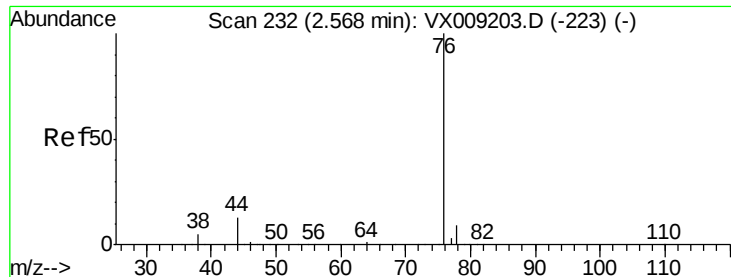
58 30.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

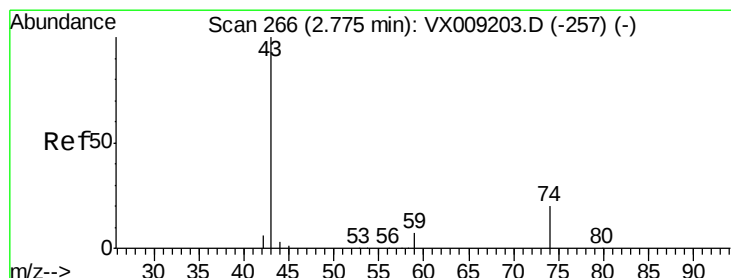
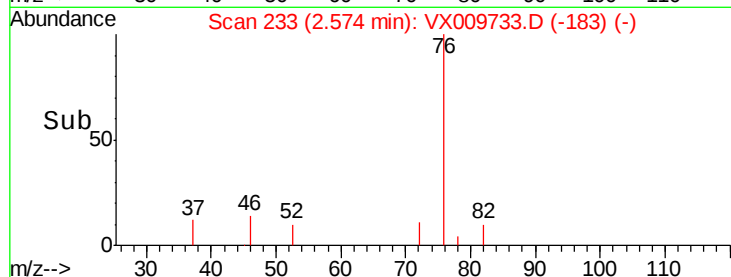
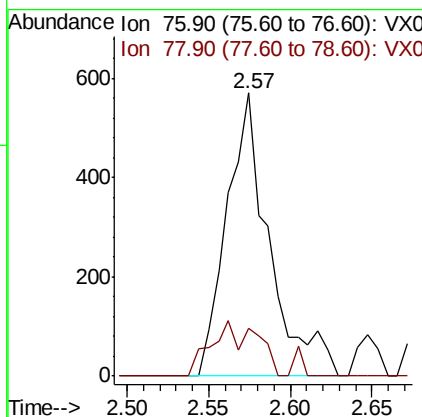
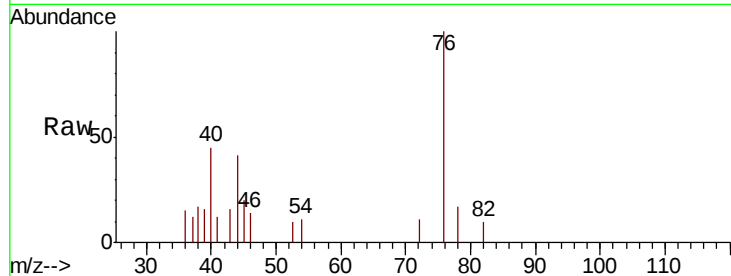




#17
Carbon Disulfide
Concen: 0.229 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX009733.D
Acq: 20 May 2019 18:00

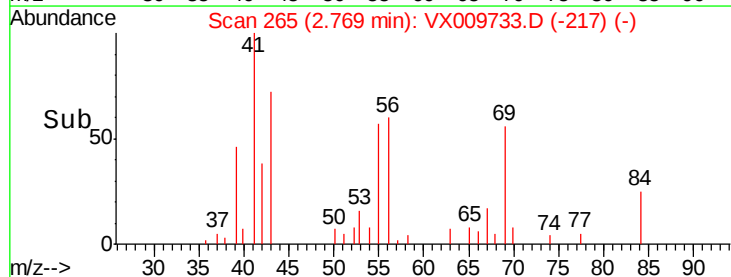
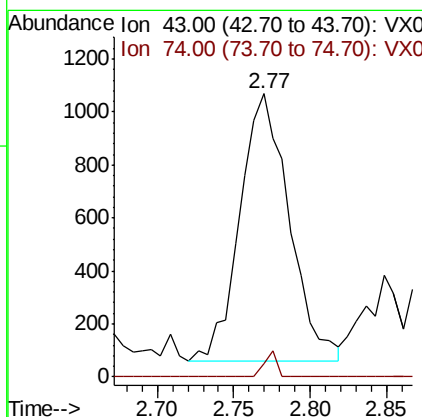
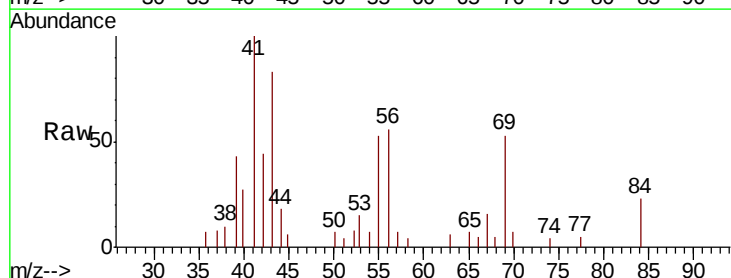
Instrument :
MSVOA_X
ClientSampleId :
S73-0225

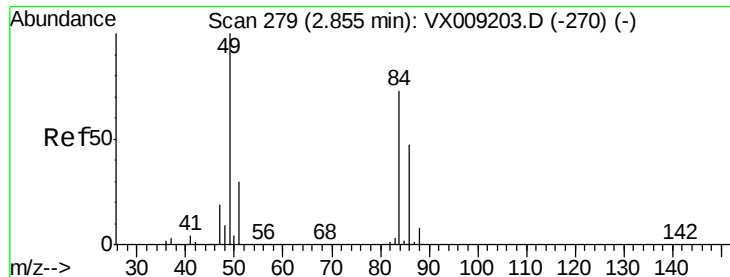
Tot Ion: 76 Resp: 1036
Ion Ratio Lower Upper
76 100
78 16.8 7.4 11.0#



#18
Methyl Acetate
Concen: 0.752 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009733.D
Acq: 20 May 2019 18:00

Tgt Ion: 43 Resp: 2251
Ion Ratio Lower Upper
43 100
74 2.4 16.2 24.4#

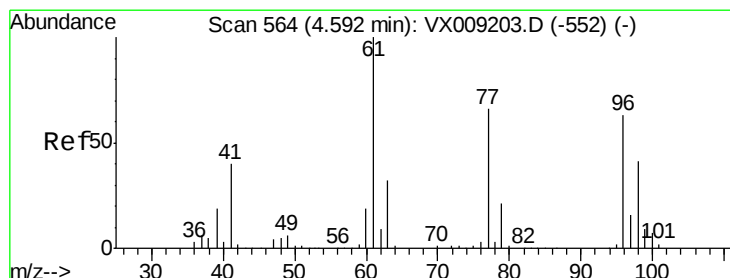
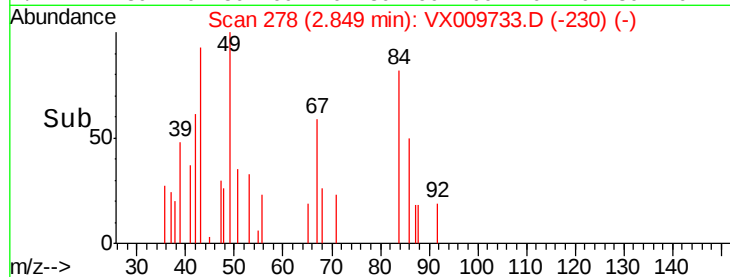
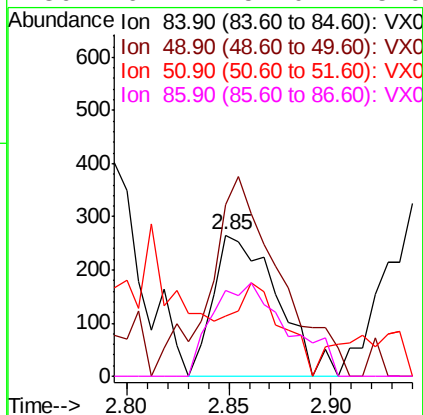
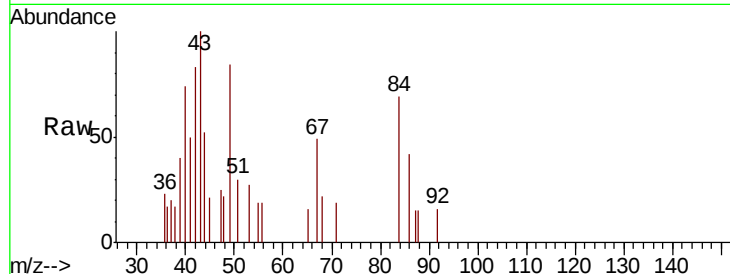




#20
Methvlene Chloride
Concen: 0.283 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX009733.D
Acq: 20 May 2019 18:00

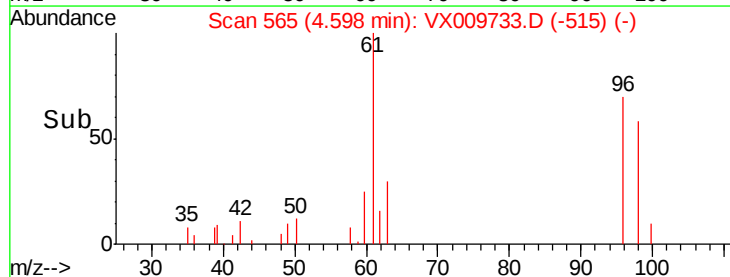
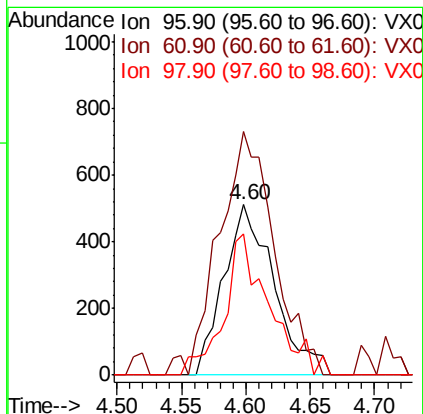
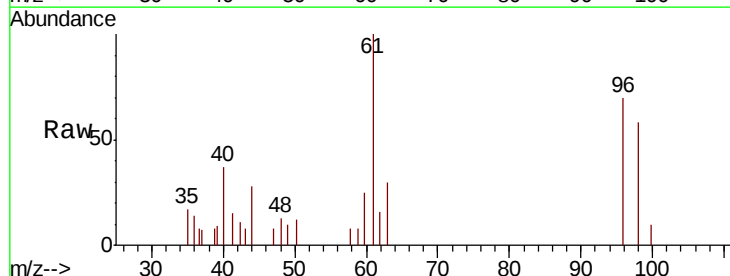
Instrument :
MSVOA_X
ClientSampled :
S73-0225

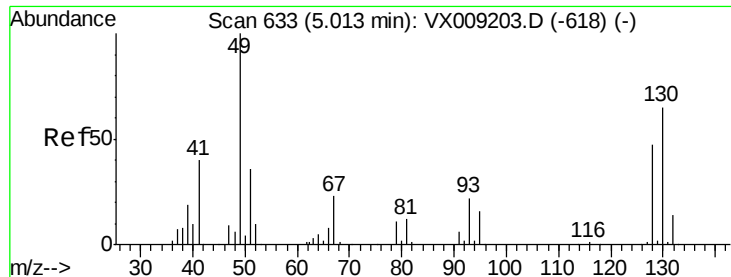
Tot Ion: 84 Resp: 577
Ion Ratio Lower Upper
84 100
49 101.5 109.9 164.9#
51 20.0 32.7 49.1#
86 61.1 52.0 78.0



#27
cis-1,2-Dichloroethene
Concen: 0.667 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009733.D
Acq: 20 May 2019 18:00

Tgt Ion: 96 Resp: 1390
Ion Ratio Lower Upper
96 100
61 157.3 0.0 324.0
98 74.5 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

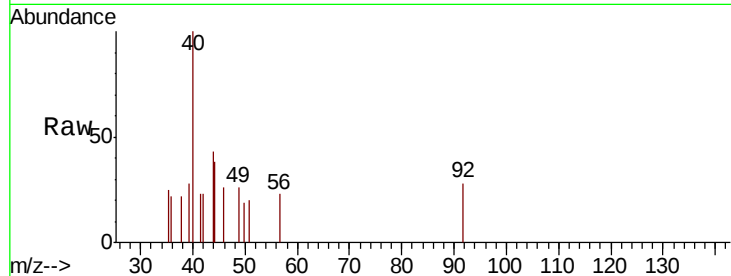
Lab File: VX009733.D

Acq: 20 May 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S73-0225

Tot Ion: 49 Resp: 25

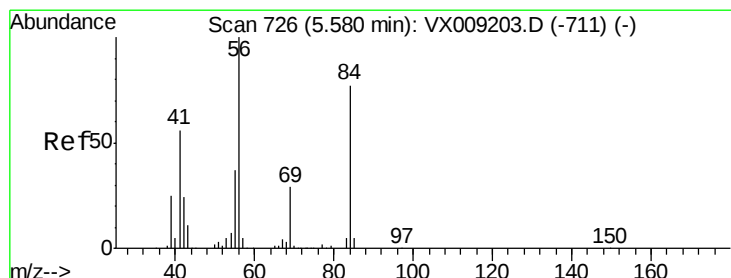
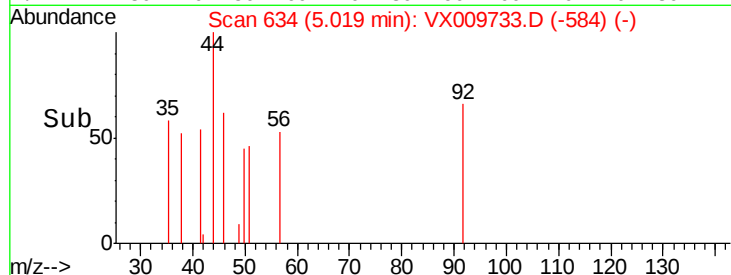
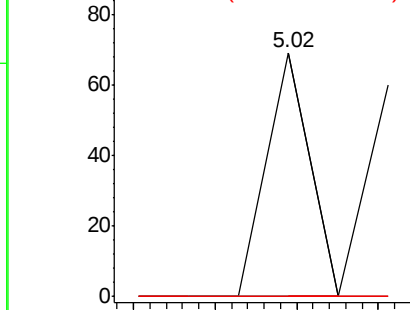
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	51.2	76.8#



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: 1.141 ug/l

RT: 5.66 min Scan# 739

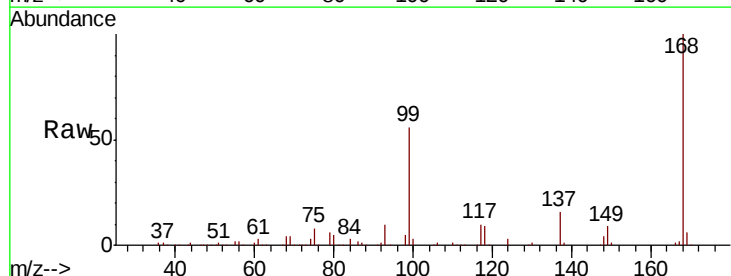
Delta R.T. 0.08 min

Lab File: VX009733.D

Acq: 20 May 2019 18:00

Tgt Ion: 56 Resp: 3955

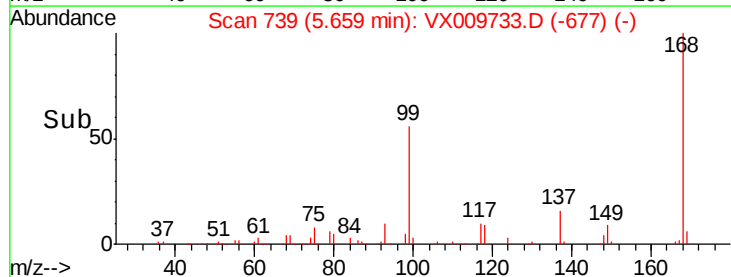
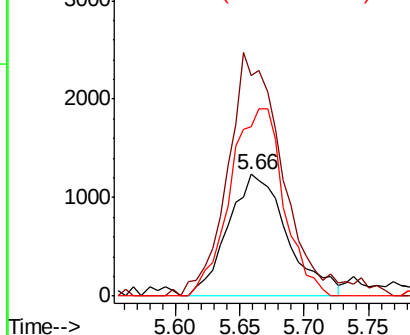
Ion	Ratio	Lower	Upper
56	100		
69	171.0	23.4	35.0#
84	139.2	61.9	92.9#

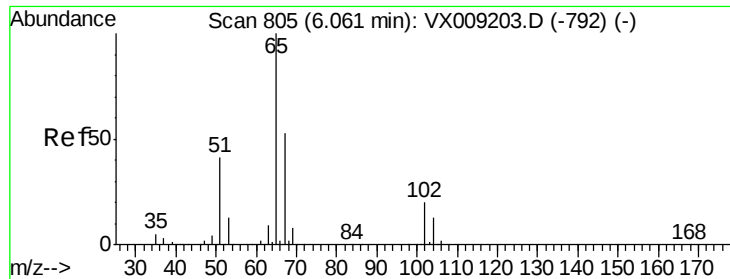


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

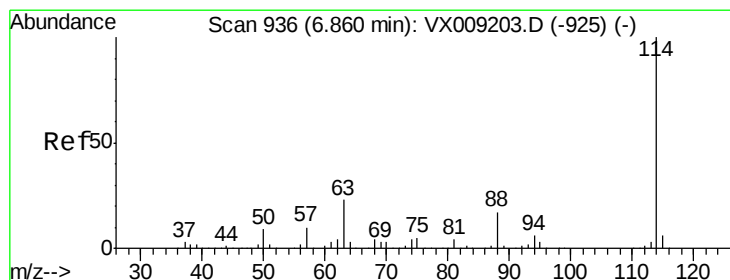
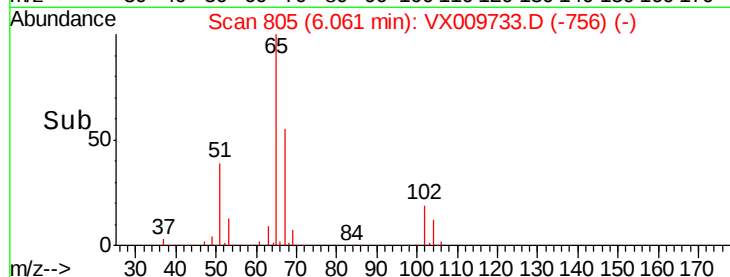
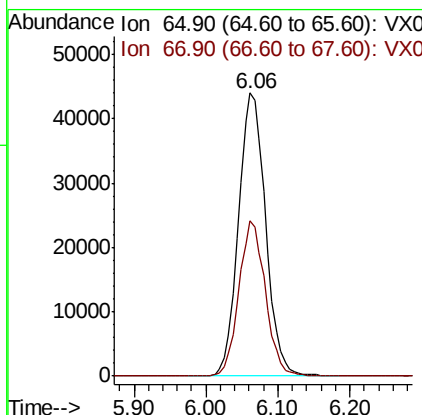
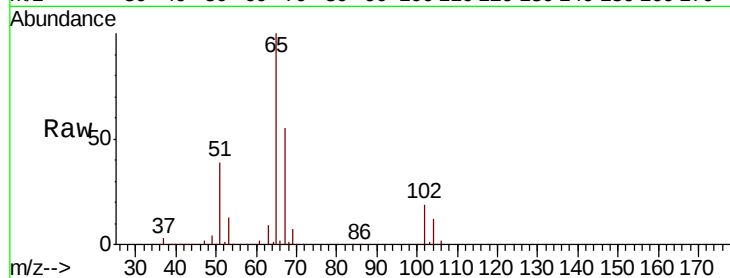




#33
 1,2-Dichloroethane-d4
 Concen: 49.092 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009733.D
 Acq: 20 May 2019 18:00

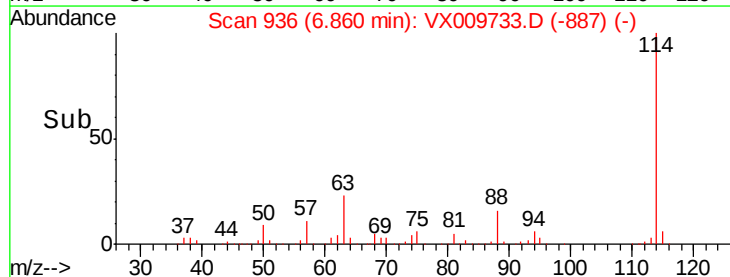
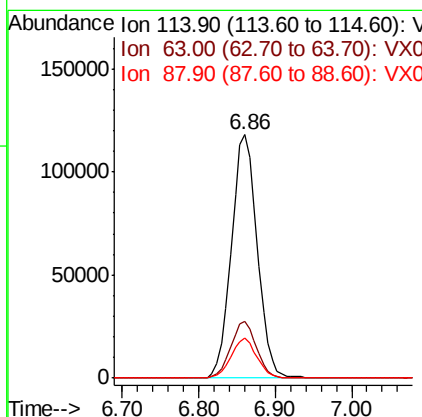
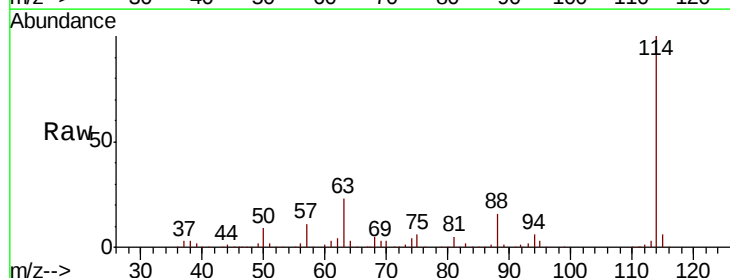
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0225

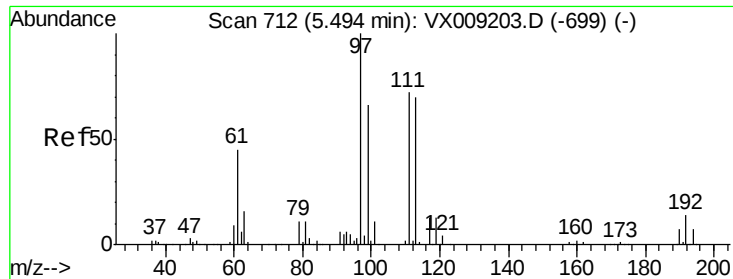
Tot Ion: 65 Resp: 115065
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009733.D
 Acq: 20 May 2019 18:00

Tgt Ion: 114 Resp: 275175
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.6
 88 16.4 0.0 33.2

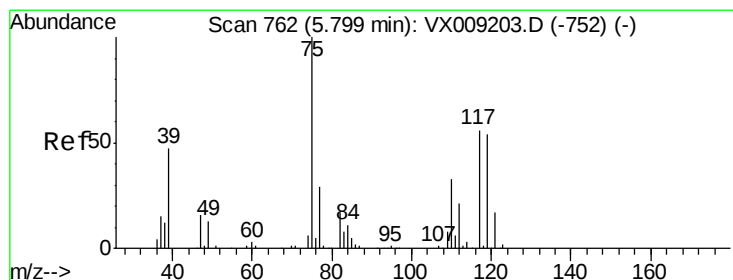
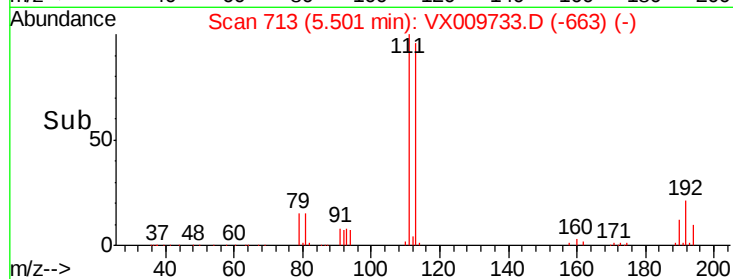
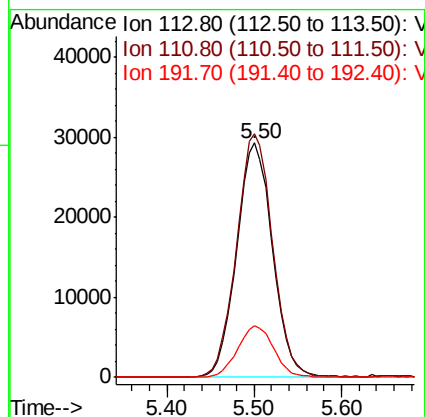
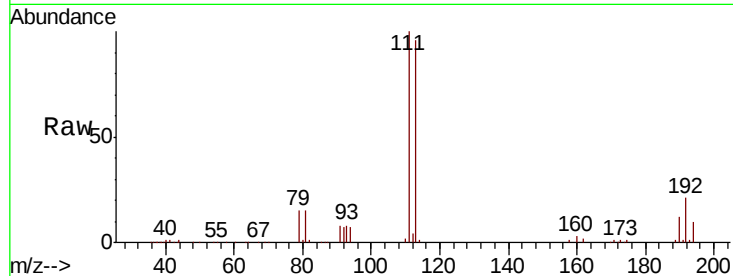




#35
 Dibromofluoromethane
 Concen: 48.254 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009733.D
 Acq: 20 May 2019 18:00

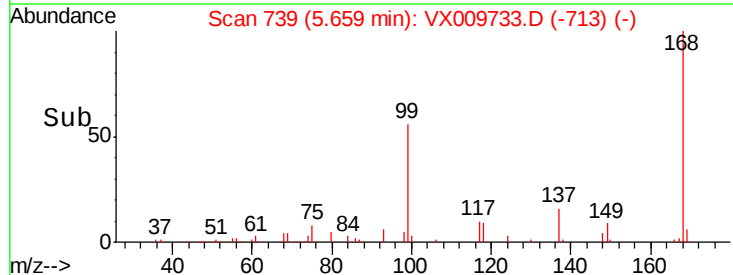
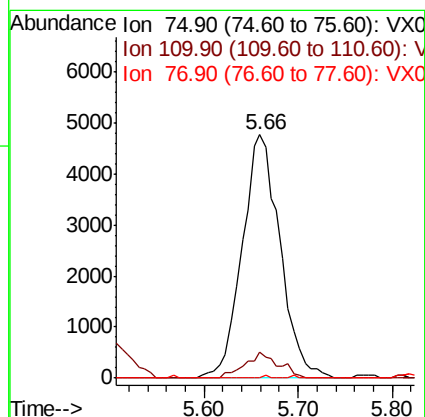
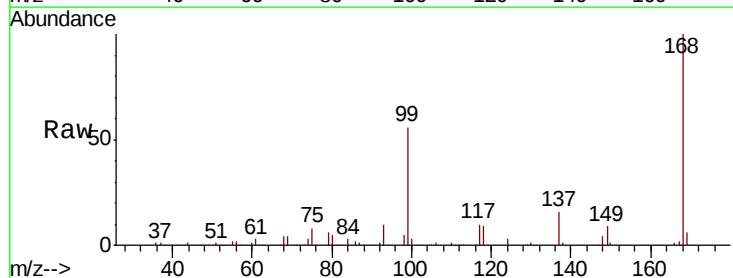
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0225

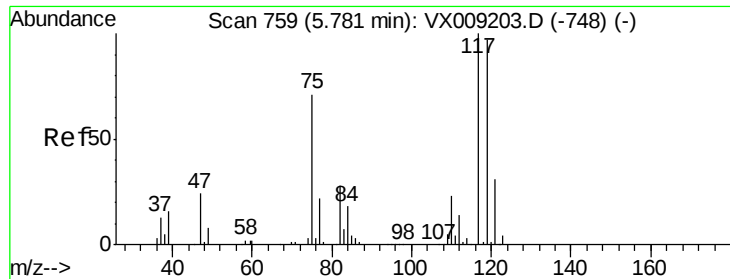
Tot Ion:113 Resp: 83472
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.8 124.2
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.237 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009733.D
 Acq: 20 May 2019 18:00

Tgt Ion: 75 Resp: 13392
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.9 50.6#
 77 0.2 24.8 37.2#

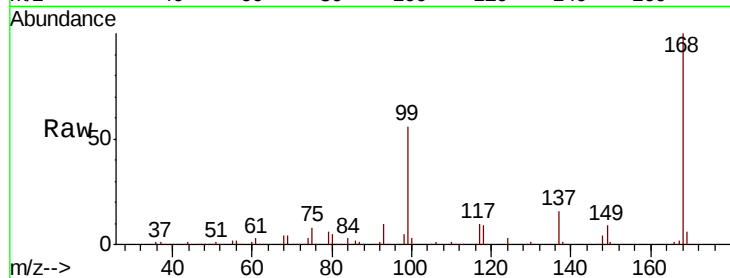




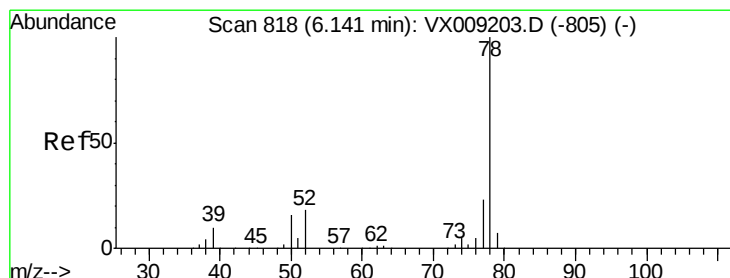
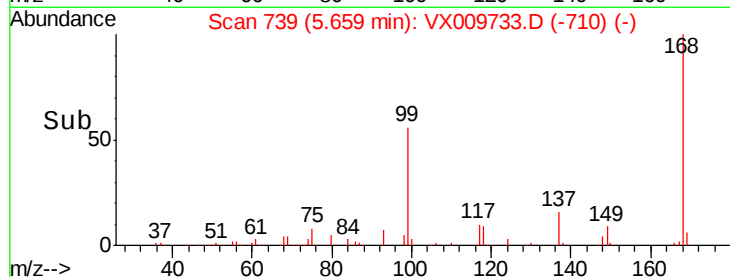
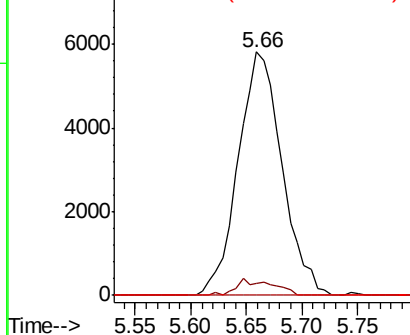
#38
Carbon Tetrachloride
Concen: 6.851 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009733.D
Acq: 20 May 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S73-0225

Tot Ion:117 Resp: 15917
Ion Ratio Lower Upper
117 100
119 4.9 77.5 116.3#
121 0.0 24.7 37.1#

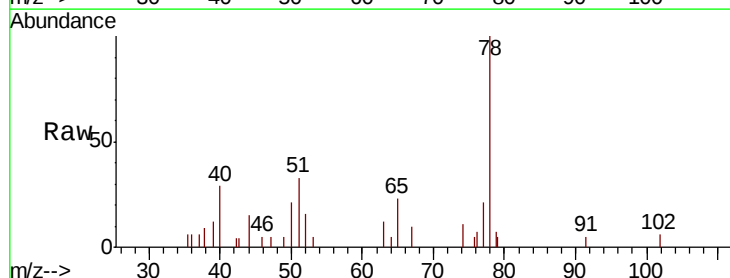


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

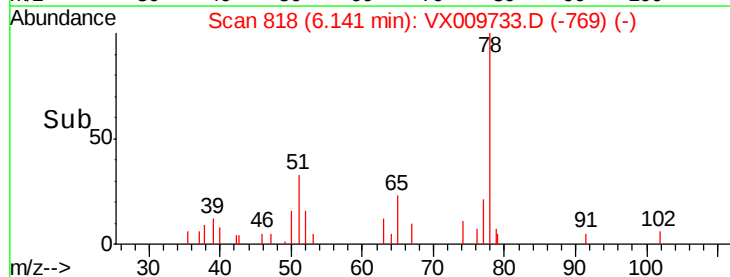
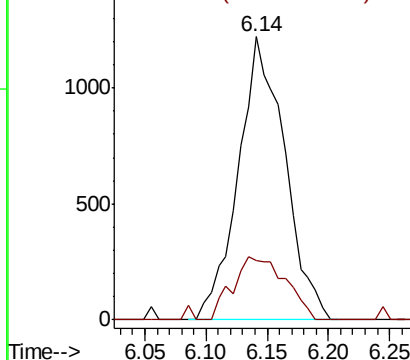


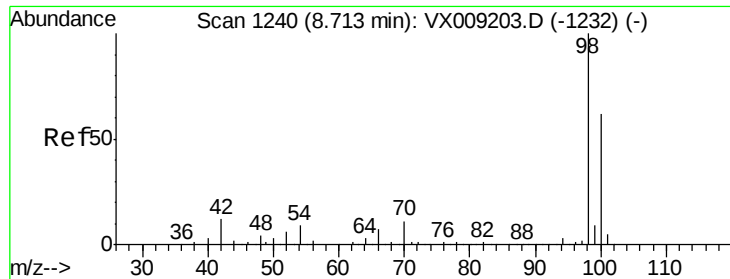
#40
Benzene
Concen: 0.406 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009733.D
Acq: 20 May 2019 18:00

Tgt Ion: 78 Resp: 3216
Ion Ratio Lower Upper
78 100
77 20.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

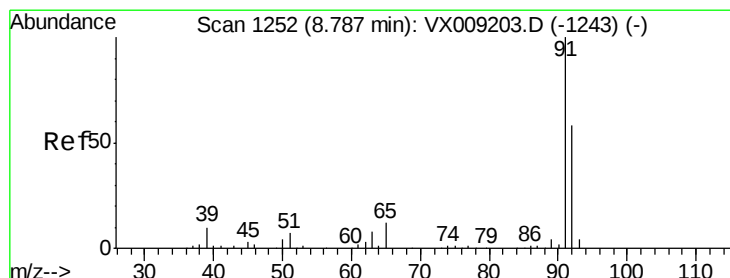
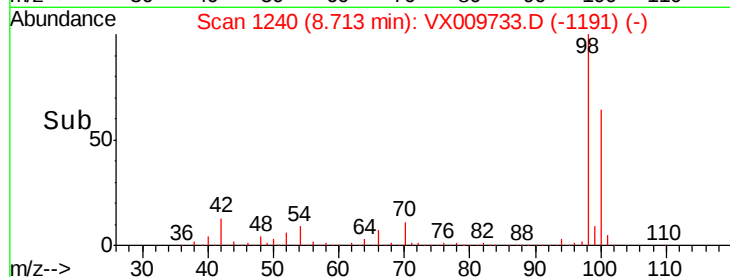
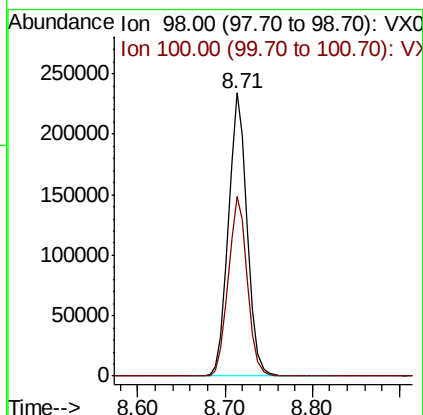
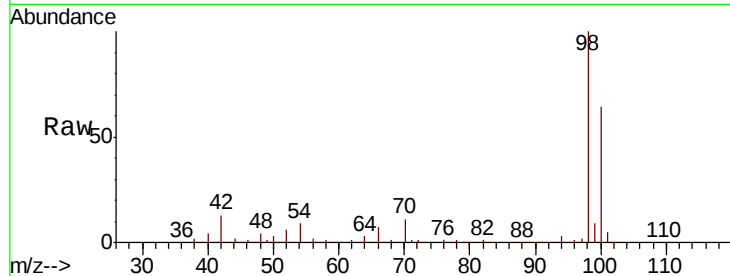




#50
Toluene-d8
Concen: 49.691 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009733.D
Acq: 20 May 2019 18:00

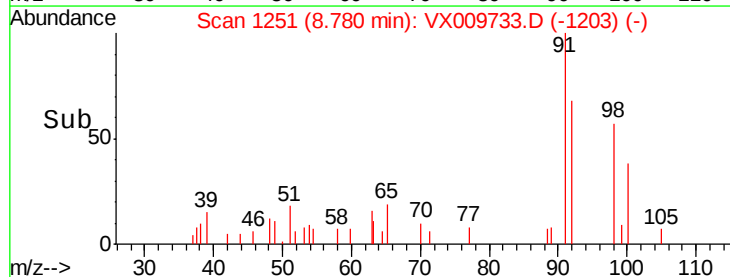
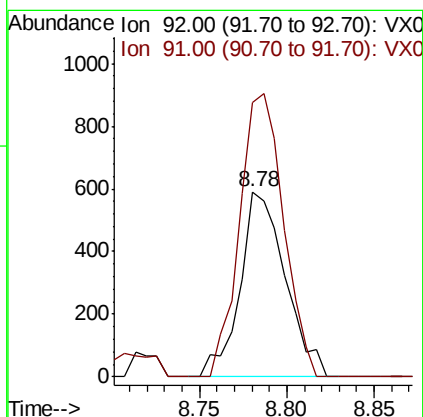
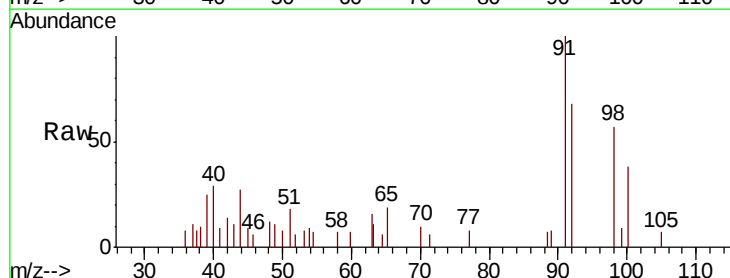
Instrument :
MSVOA_X
ClientSampled :
S73-0225

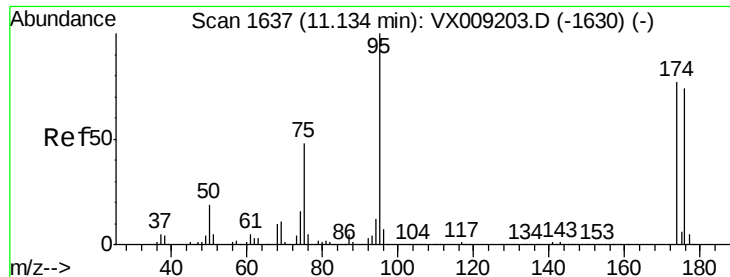
Tot Ion: 98 Resp: 347033
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8



#52
Toluene
Concen: 0.222 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009733.D
Acq: 20 May 2019 18:00

Tgt Ion: 92 Resp: 1066
Ion Ratio Lower Upper
92 100
91 148.0 138.8 208.2

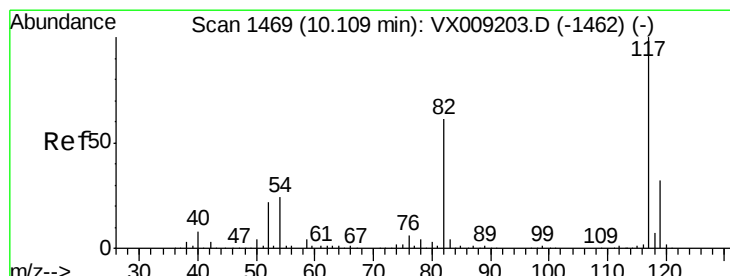
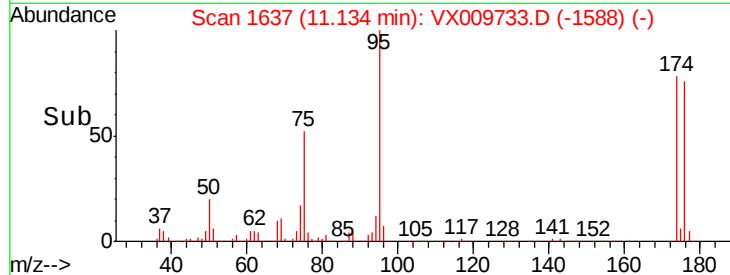
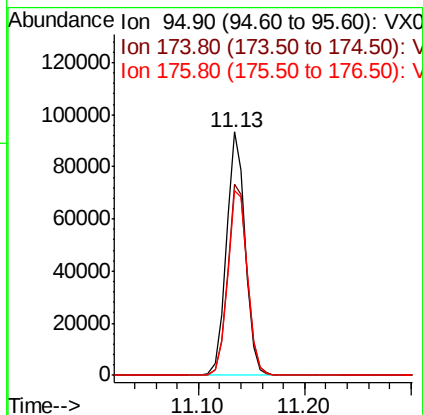
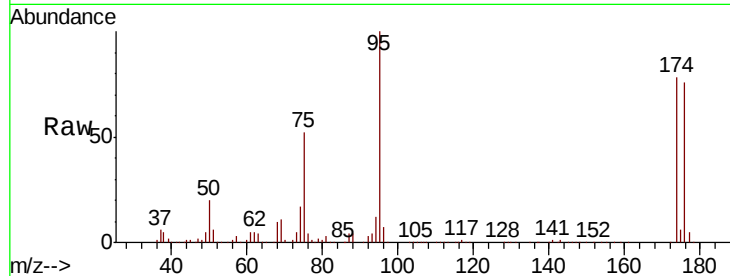




#62
4-Bromofluorobenzene
Concen: 45.414 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009733.D
Acq: 20 May 2019 18:00

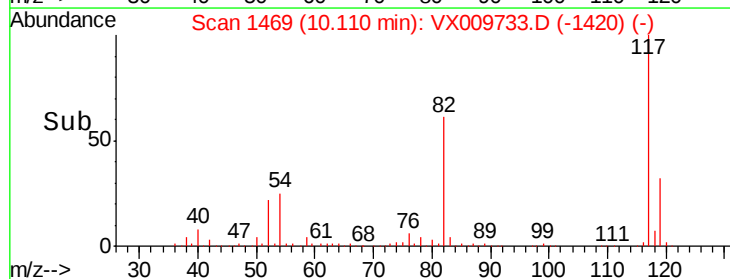
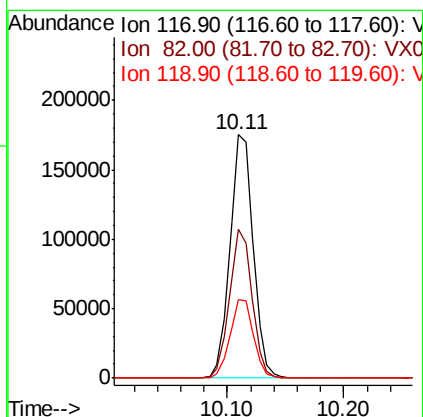
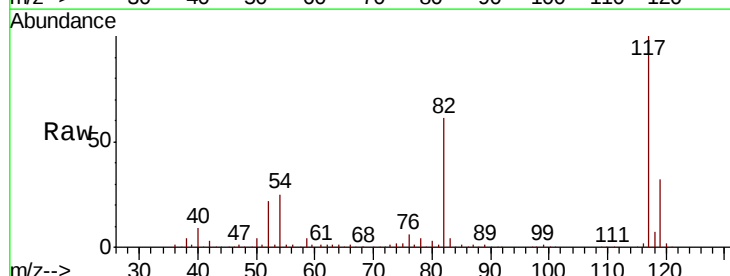
Instrument :
MSVOA_X
ClientSampleId :
S73-0225

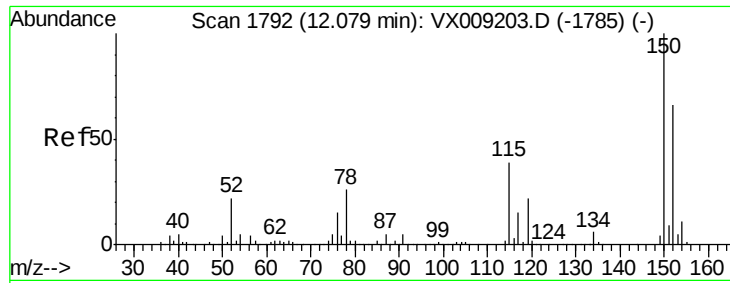
Tot Ion: 95 Resp: 115245
Ion Ratio Lower Upper
95 100
174 81.3 0.0 161.6
176 80.1 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009733.D
Acq: 20 May 2019 18:00

Tgt Ion: 117 Resp: 243666
Ion Ratio Lower Upper
117 100
82 61.1 48.8 73.2
119 32.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009733.D

Acq: 20 May 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

S73-0225

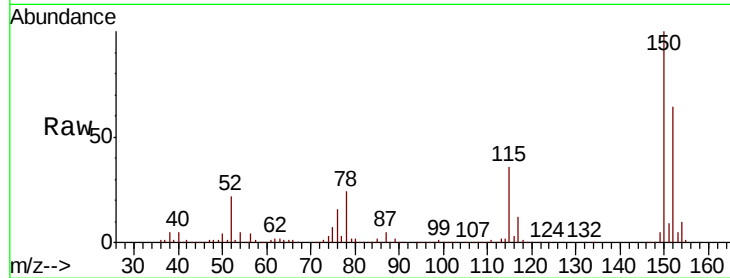
Tot Ion:152 Resp: 104796

Ion Ratio Lower Upper

152 100

115 58.0 41.2 123.6

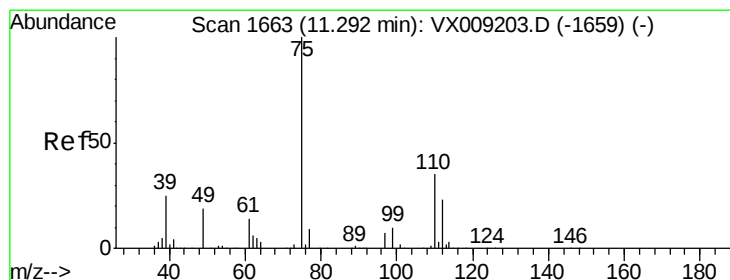
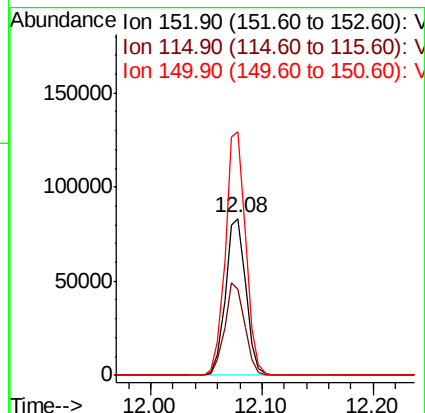
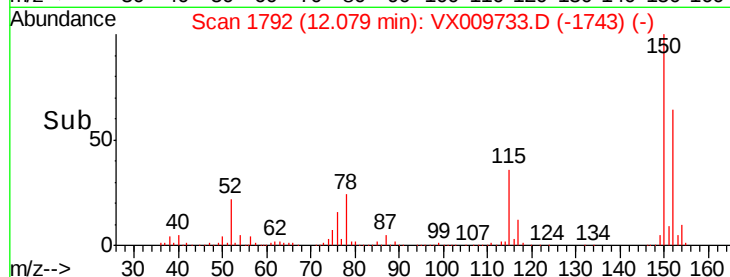
150 155.2 0.0 346.4



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: 24.646 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009733.D

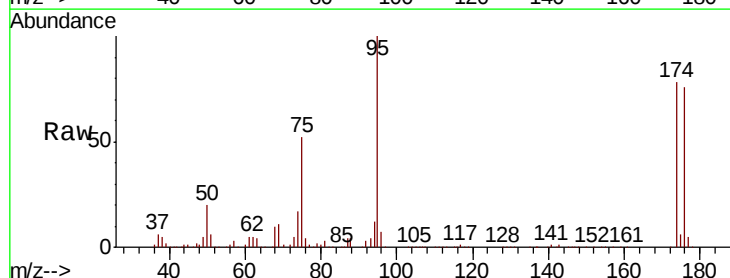
Acq: 20 May 2019 18:00

Tgt Ion: 75 Resp: 59912

Ion Ratio Lower Upper

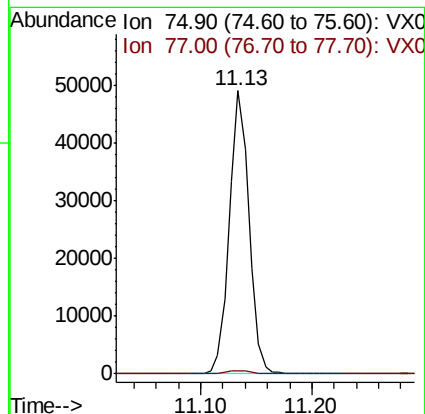
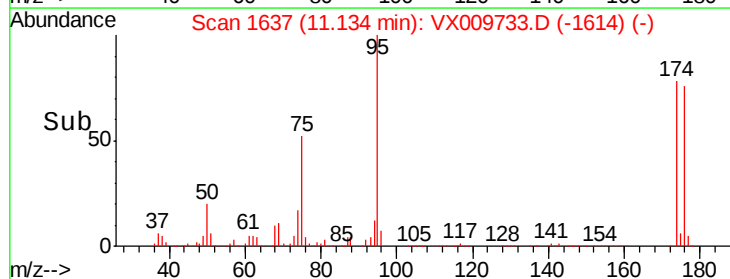
75 100

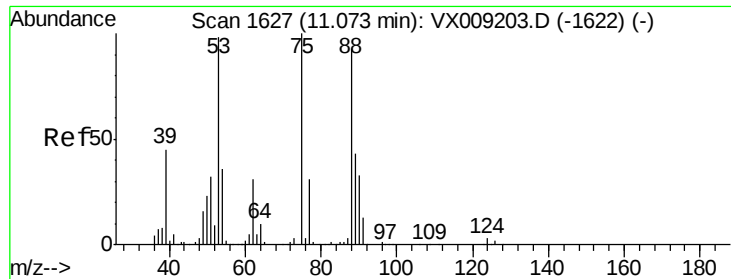
77 1.4 22.1 66.1#



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: 63.061 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009733.D

Acq: 20 May 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

S73-0225

Tot Ion: 75 Resp: 59912

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

