

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052019\
 Data File : VX009730.D
 Acq On : 20 May 2019 16:50
 Operator : JC/SP
 Sample : K2910-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0227

Quant Time: May 21 07:41:57 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	176447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	282134	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	117597	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	5.50	113	86389	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	8.71	98	356913	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.13	95	118353	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	

Target Compounds

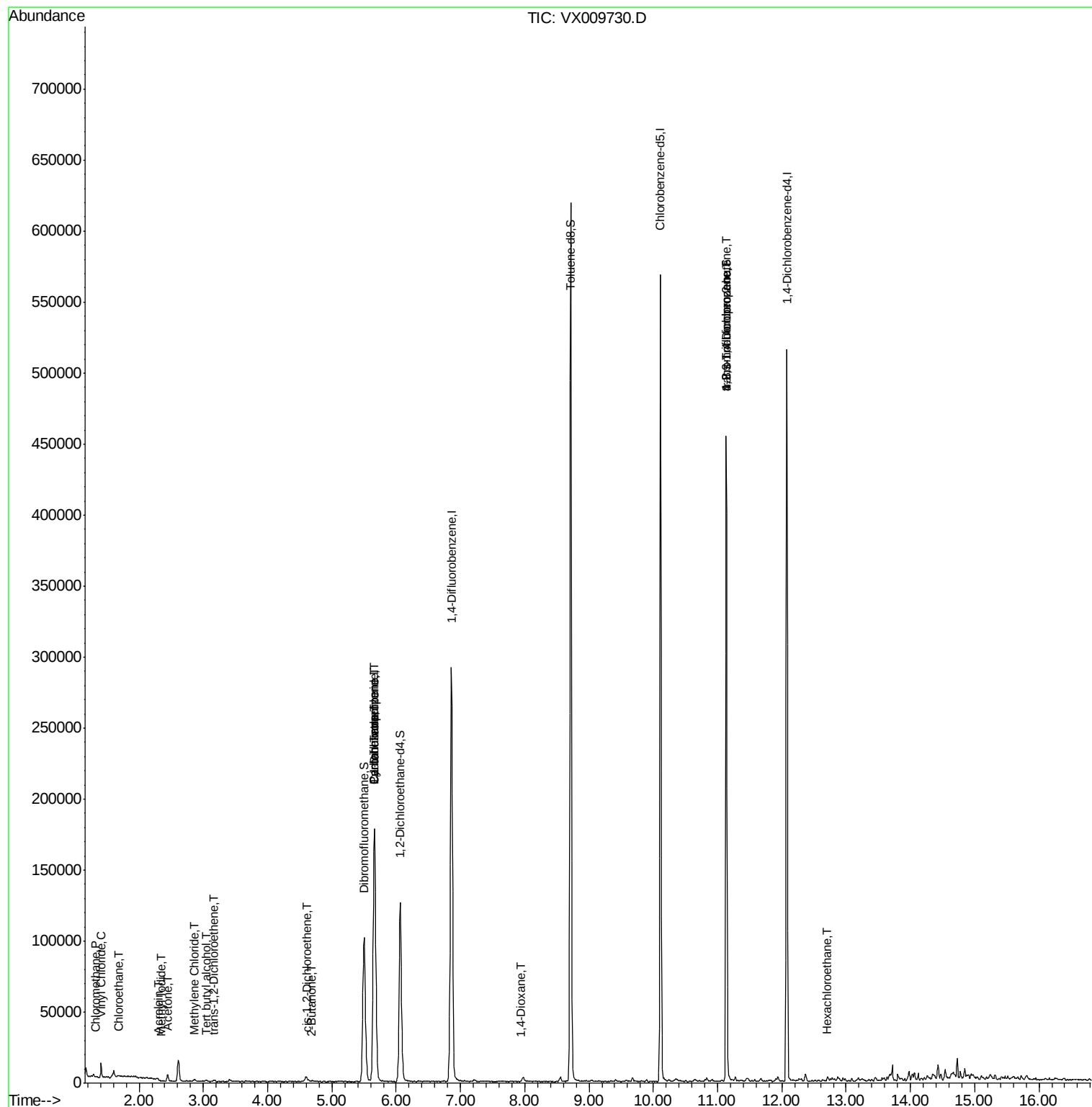
					Qvalue	
3) Chloromethane	1.32	50	557	0.251	ug/l	90
4) Vinyl Chloride	1.41	62	7194	3.323	ug/l	97
6) Chloroethane	1.69	64	2162	1.556	ug/l #	63
10) Methyl Iodide	2.35	142	19	4.603	ug/l #	42
11) Tert butyl alcohol	3.04	59	610	1.094	ug/l #	72
13) Acrolein	2.31	56	190	0.376	ug/l #	14
16) Acetone	2.45	43	5002	3.867	ug/l	96
20) Methylene Chloride	2.86	84	523	0.250	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	473	0.263	ug/l #	67
25) 2-Butanone	4.68	43	454	0.226	ug/l #	53
27) cis-1,2-Dichloroethene	4.60	96	1935	0.903	ug/l	91
28) Bromochloromethane	5.02	49	50	Below Cal	#	20
31) Cyclohexane	5.67	56	4111	1.154	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13938	5.316	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16676	7.000	ug/l #	15
49) 1,4-Dioxane	7.93	88	42	0.714	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	61293	24.712	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61293	63.230	ug/l #	10
90) Hexachloroethane	12.69	117	234	0.202	ug/l #	7

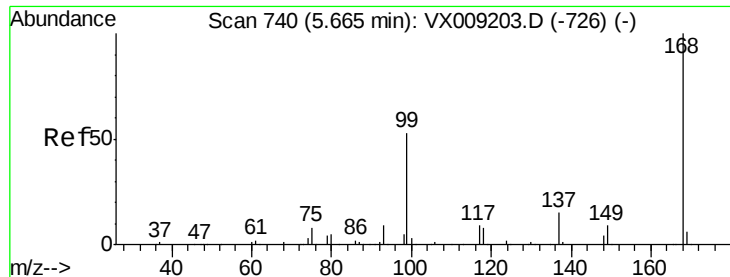
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052019\
Data File : VX009730.D
Acq On : 20 May 2019 16:50
Operator : JC/SP
Sample : K2910-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S73-0227

Quant Time: May 21 07:41:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
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: VX009730.D

Acq: 20 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

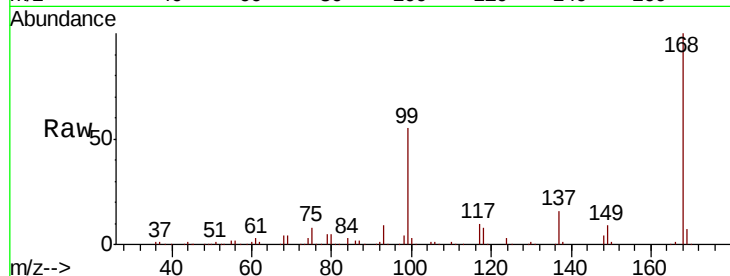
S73-0227

Tot Ion:168 Resp: 176447

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

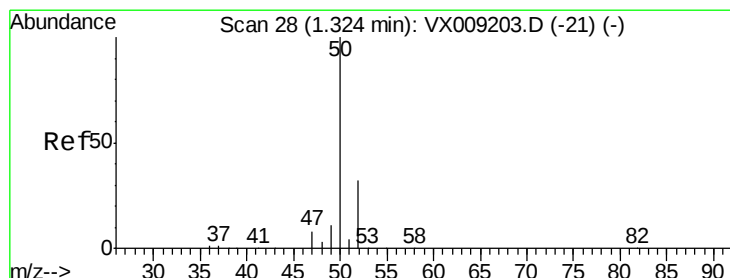
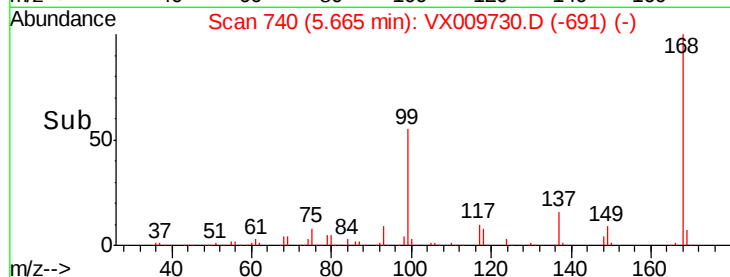
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.251 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009730.D

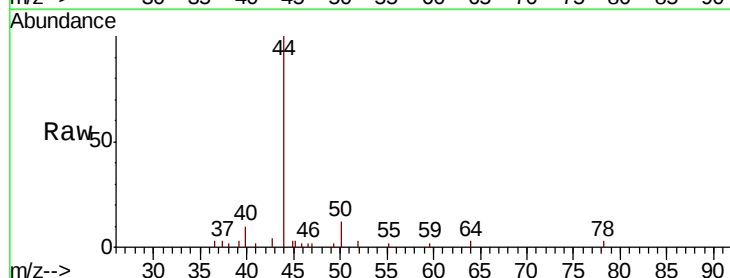
Acq: 20 May 2019 16:50

Tgt Ion: 50 Resp: 557

Ion Ratio Lower Upper

50 100

52 26.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

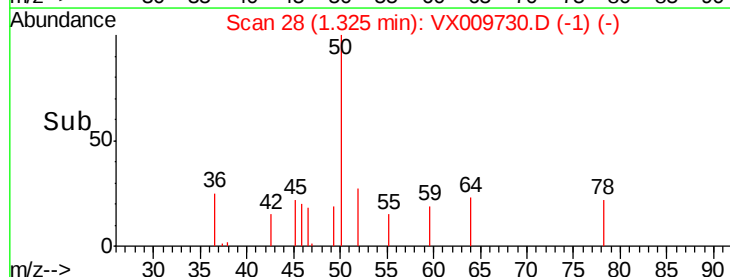
300

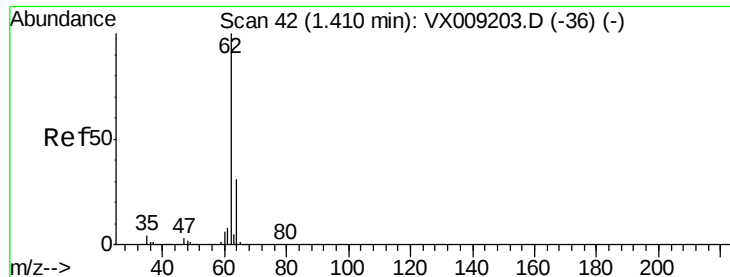
200

100

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 3.323 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

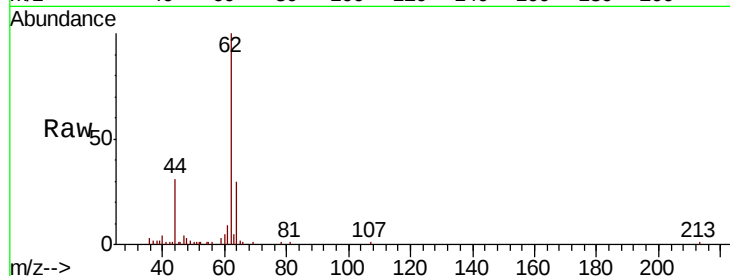
S73-0227

Tot Ion: 62 Resp: 7194

Ion Ratio Lower Upper

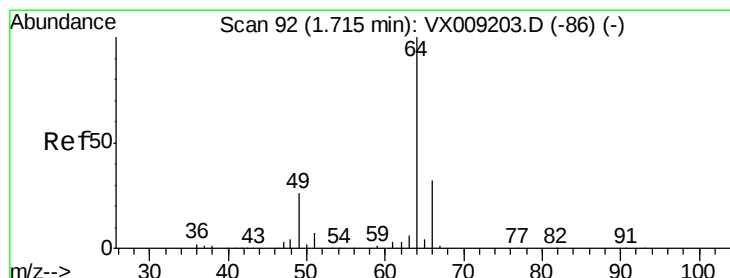
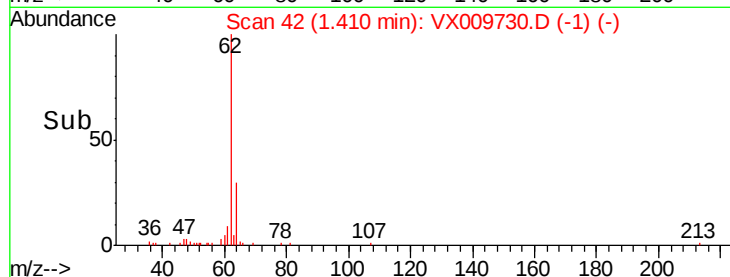
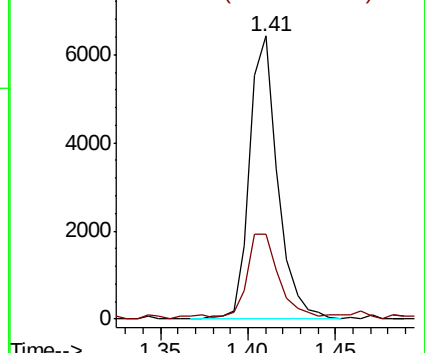
62 100

64 28.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#6

Chloroethane

Concen: 1.556 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX009730.D

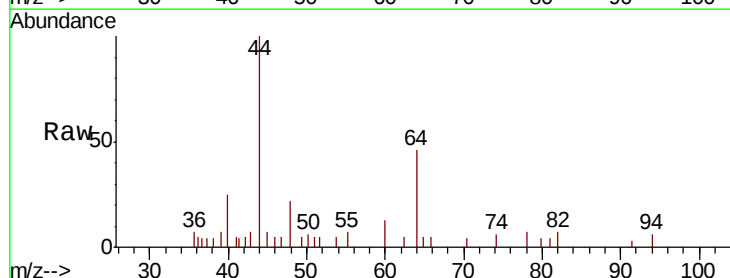
Acq: 20 May 2019 16:50

Tgt Ion: 64 Resp: 2162

Ion Ratio Lower Upper

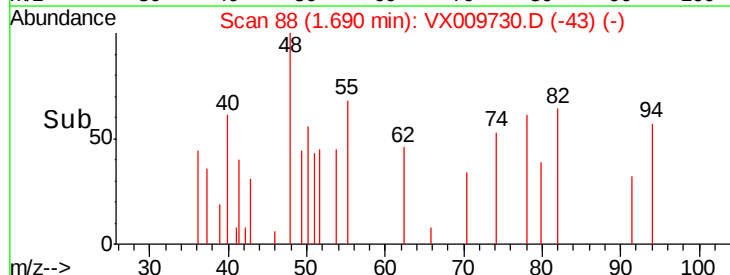
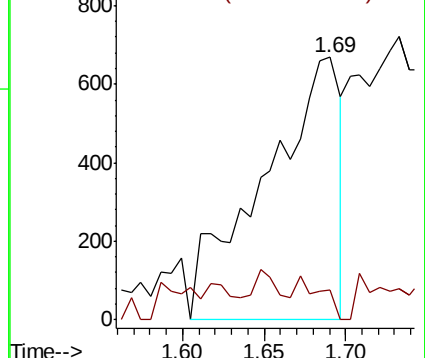
64 100

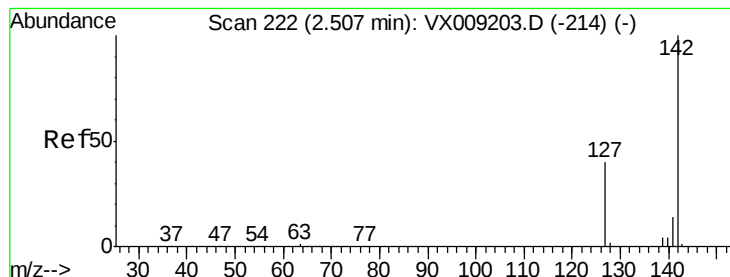
66 11.4 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 4.603 ug/l

RT: 2.35 min Scan# 196

Delta R.T. -0.16 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

Instrument :

MSVOA_X

ClientSampled :

S73-0227

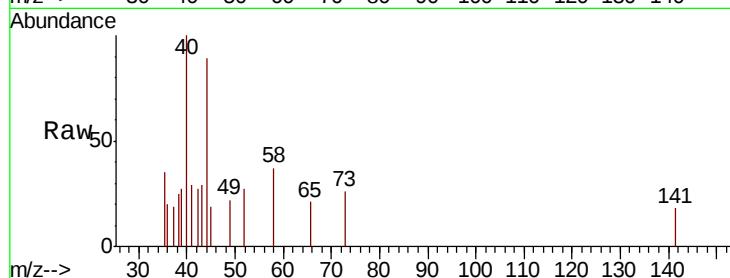
Tot Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

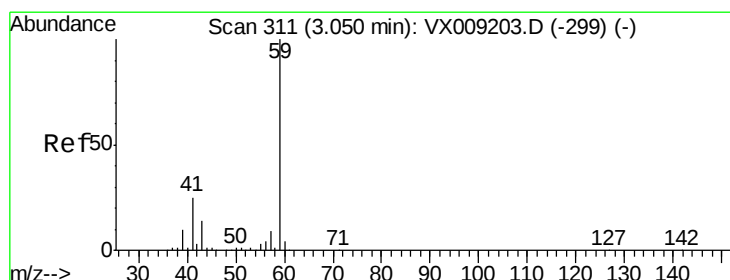
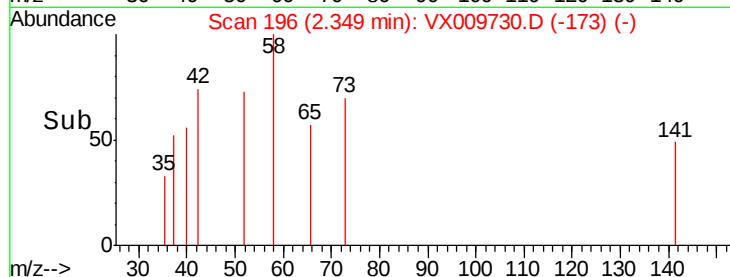
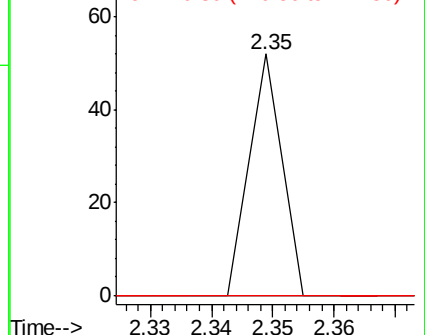
141 0.0 11.5 17.3#



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: 1.094 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX009730.D

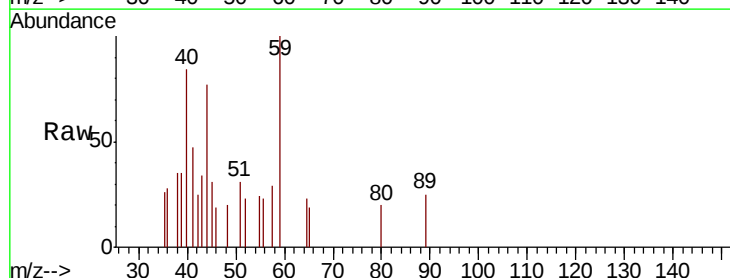
Acq: 20 May 2019 16:50

Tgt Ion: 59 Resp: 610

Ion Ratio Lower Upper

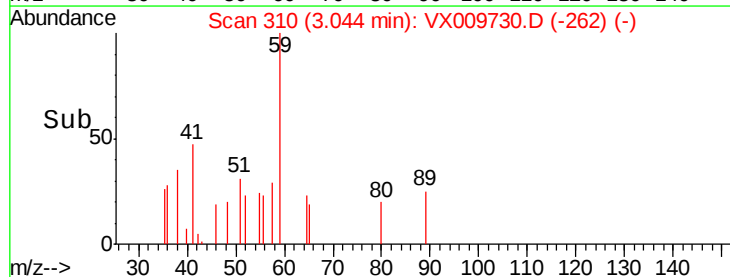
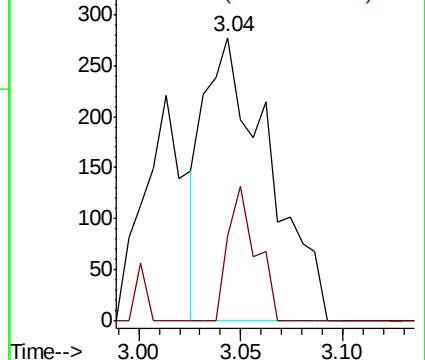
59 100

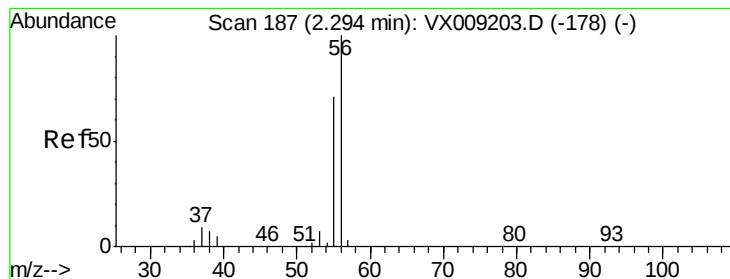
57 20.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.376 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

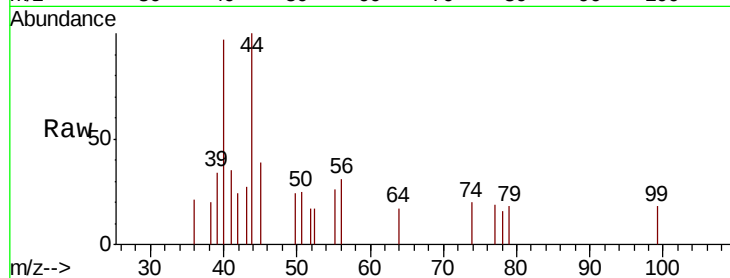
S73-0227

Tot Ion: 56 Resp: 190

Ion Ratio Lower Upper

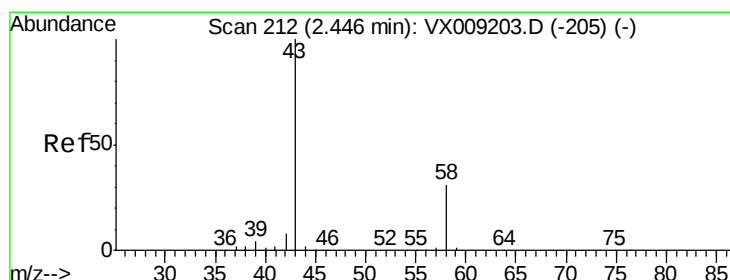
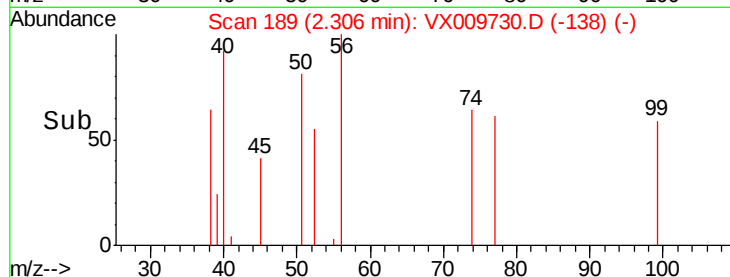
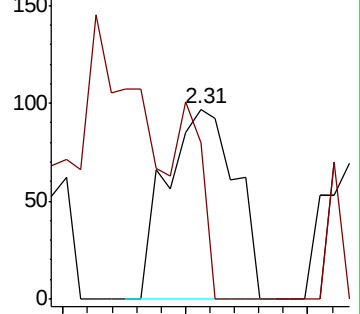
56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.867 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009730.D

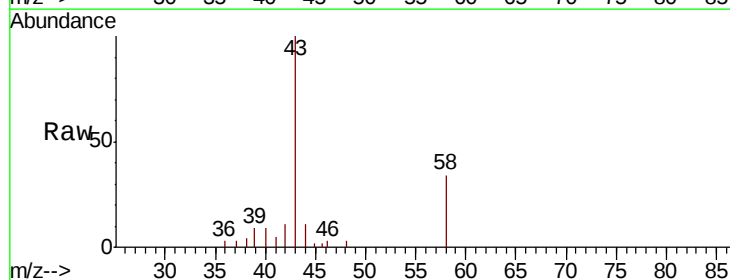
Acq: 20 May 2019 16:50

Tgt Ion: 43 Resp: 5002

Ion Ratio Lower Upper

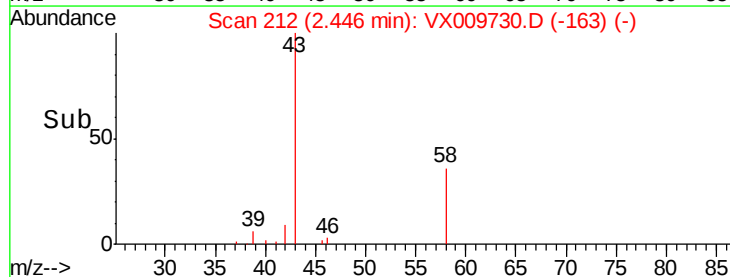
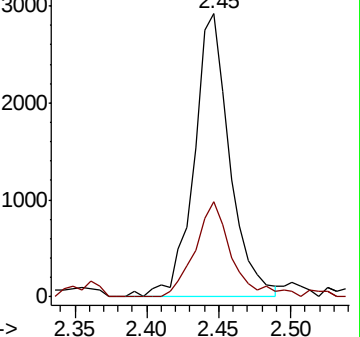
43 100

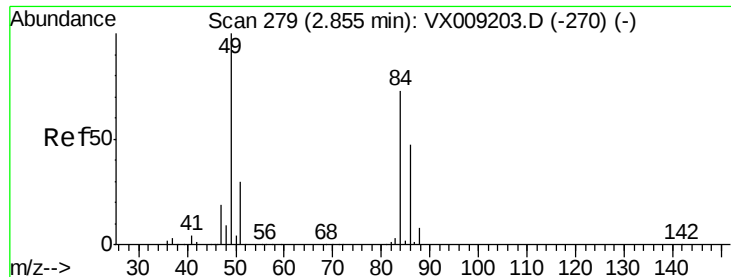
58 33.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

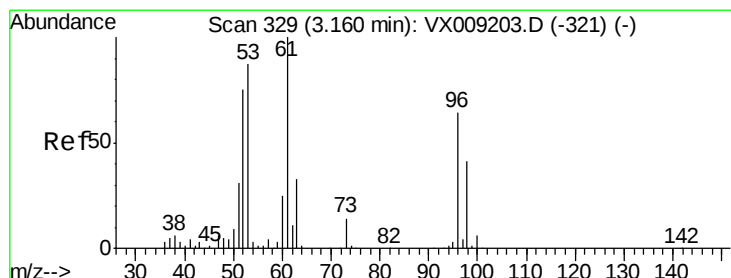
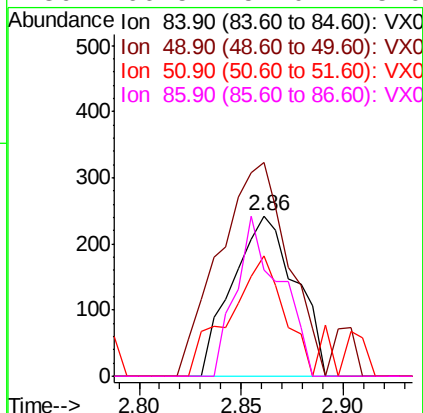
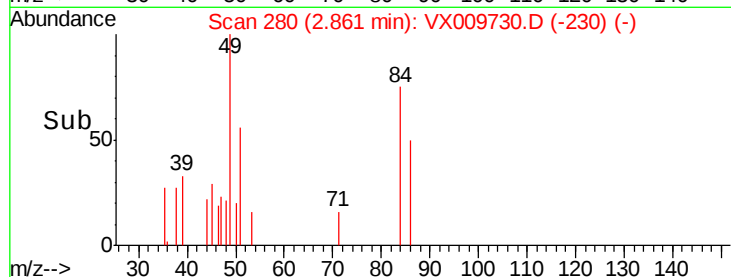
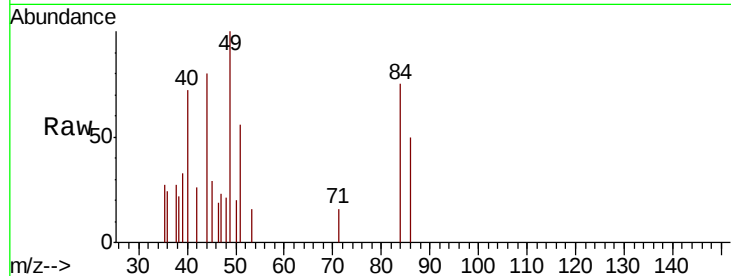




#20
Methvlene Chloride
Concen: 0.250 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009730.D
Acq: 20 May 2019 16:50

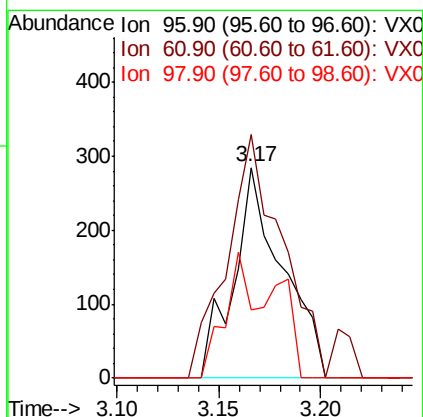
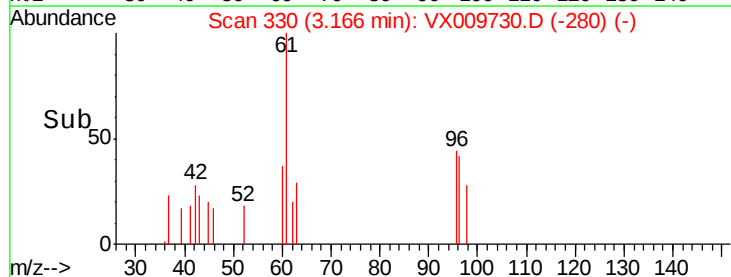
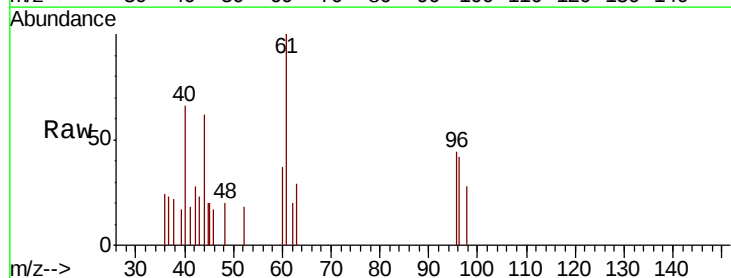
Instrument :
MSVOA_X
ClientSampleId :
S73-0227

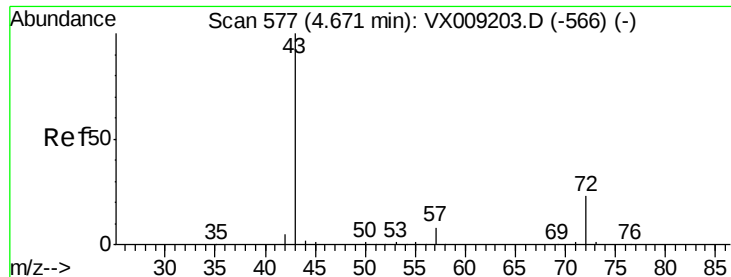
Tot Ion: 84 Resp: 523
Ion Ratio Lower Upper
84 100
49 110.3 109.9 164.9
51 74.8 32.7 49.1#
86 66.5 52.0 78.0



#21
trans-1,2-Dichloroethene
Concen: 0.263 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX009730.D
Acq: 20 May 2019 16:50

Tgt Ion: 96 Resp: 473
Ion Ratio Lower Upper
96 100
61 115.4 124.5 186.7#
98 32.6 50.4 75.6#





#25

2-Butanone

Concen: 0.226 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

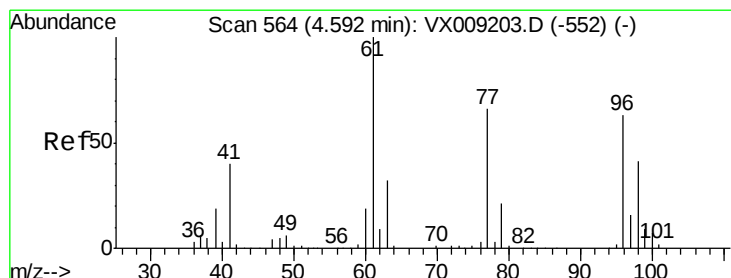
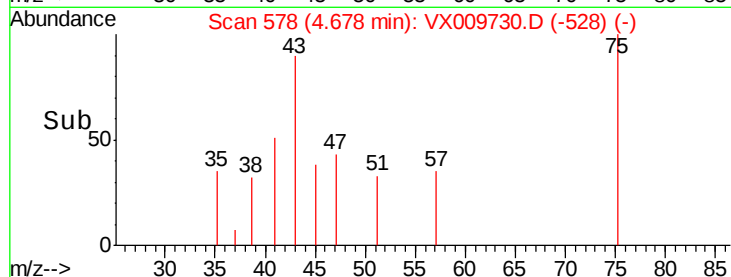
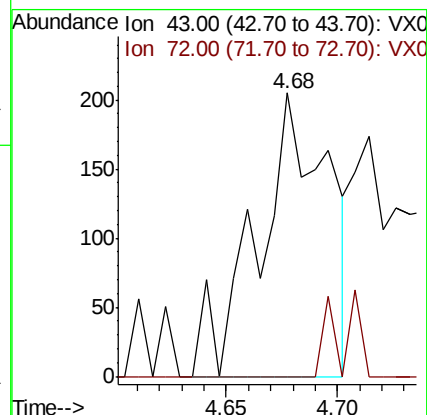
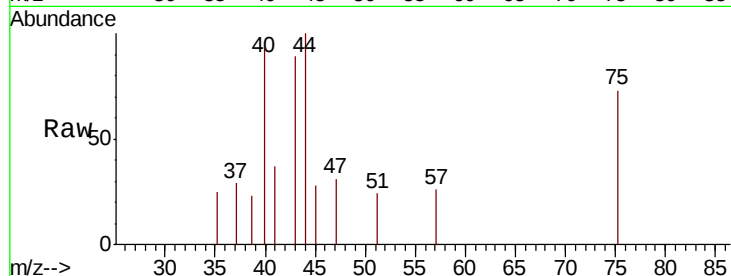
S73-0227

Tot Ion: 43 Resp: 454

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#



#27

cis-1,2-Dichloroethene

Concen: 0.903 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

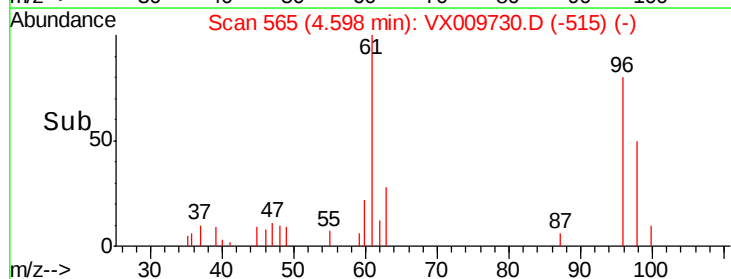
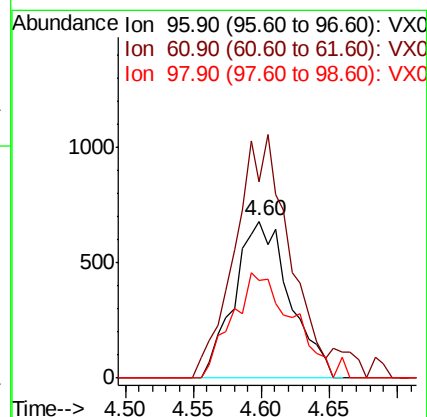
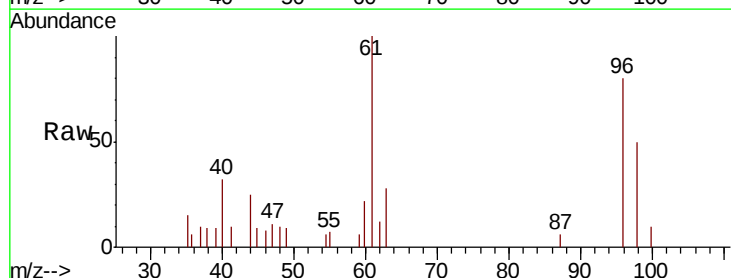
Tgt Ion: 96 Resp: 1935

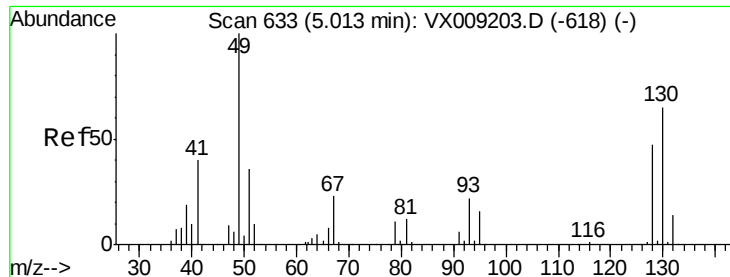
Ion Ratio Lower Upper

96 100

61 151.2 0.0 324.0

98 73.8 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

S73-0227

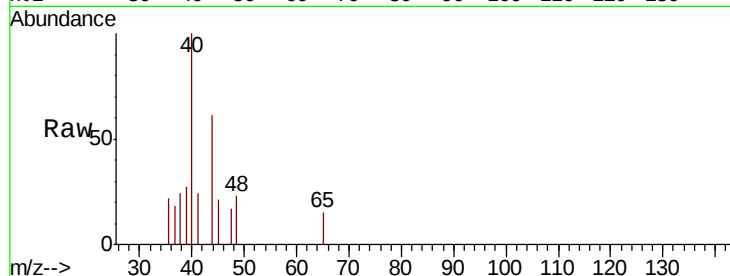
Tot Ion: 49 Resp: 50

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



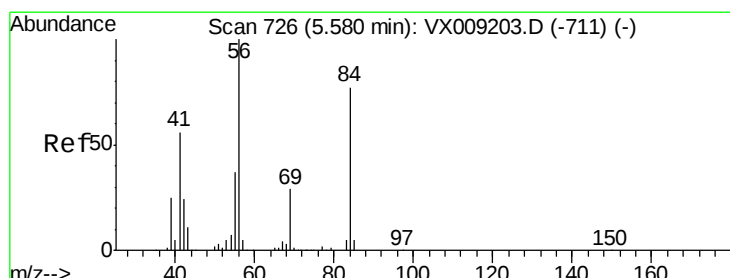
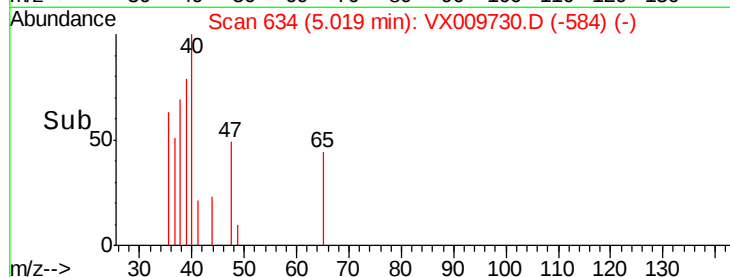
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

5.02

Time-->



#31

Cyclohexane

Concen: 1.154 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

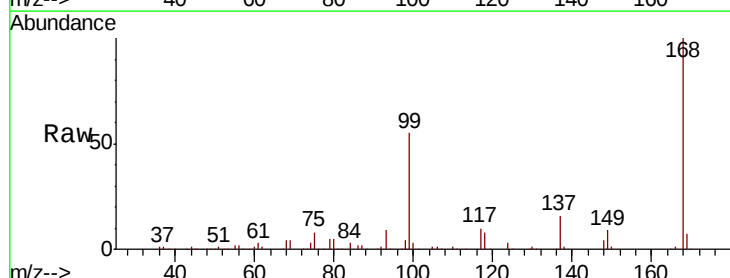
Tgt Ion: 56 Resp: 4111

Ion Ratio Lower Upper

56 100

69 156.7 23.4 35.0#

84 153.8 61.9 92.9#



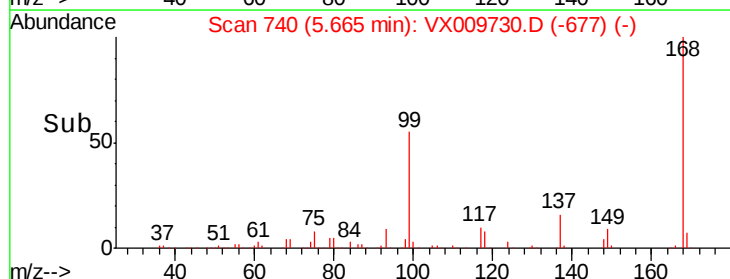
Abundance Ion 56.00 (55.70 to 56.70): VX0

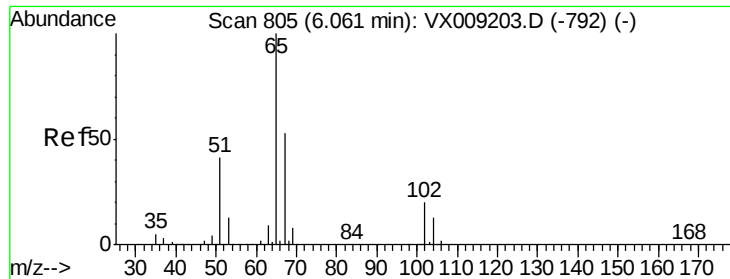
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.67

Time-->

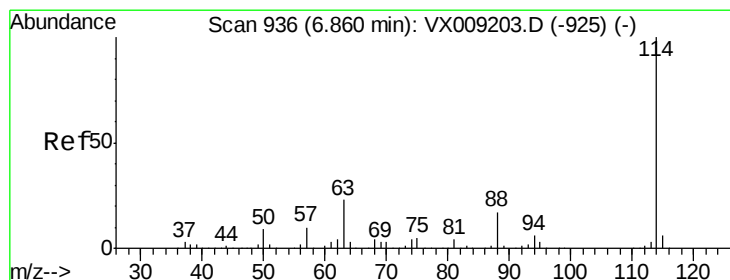
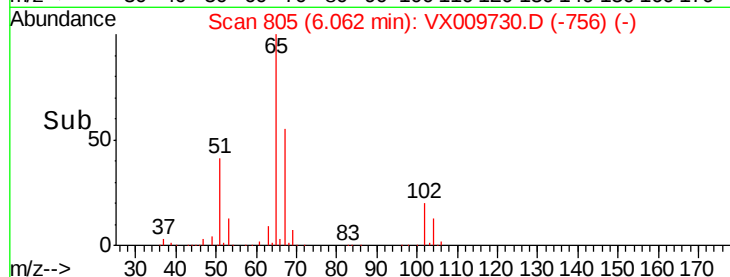
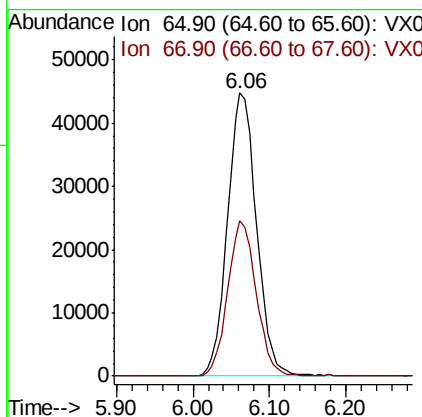
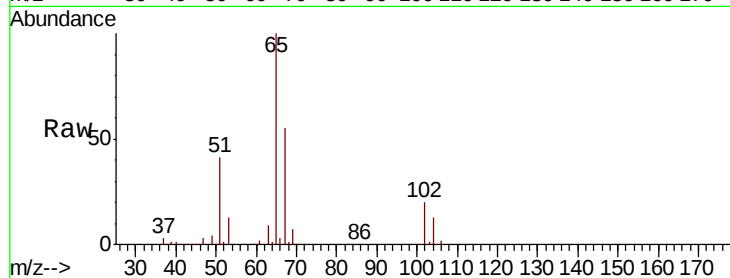




#33
 1,2-Dichloroethane-d4
 Concen: 48.822 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009730.D
 Acq: 20 May 2019 16:50

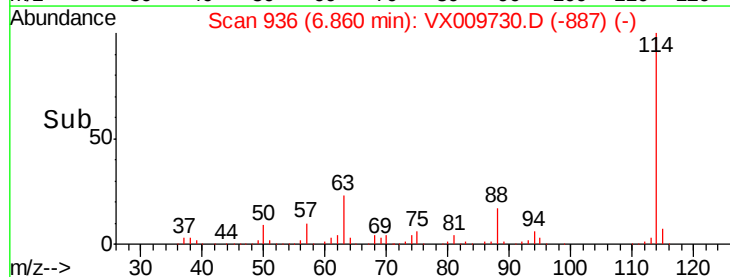
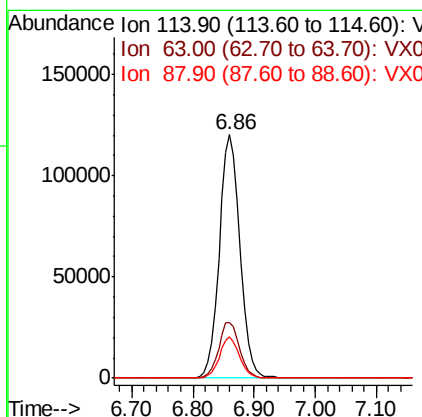
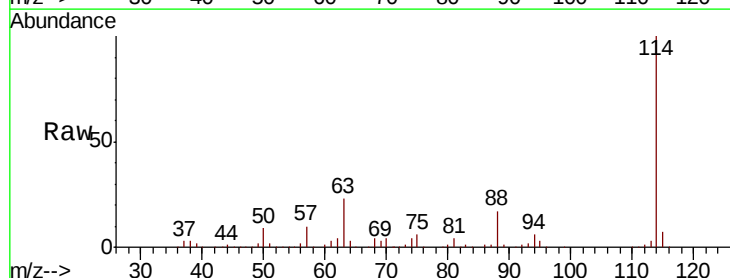
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0227

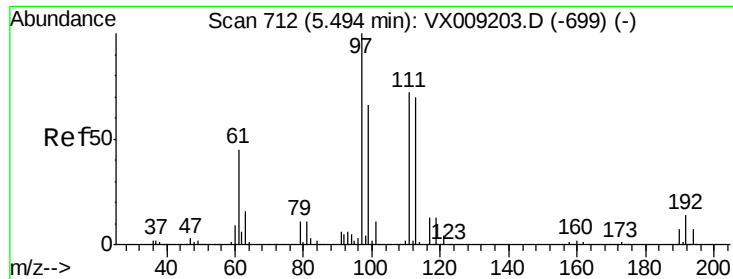
Tot Ion: 65 Resp: 117597
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009730.D
 Acq: 20 May 2019 16:50

Tgt Ion: 114 Resp: 282134
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.6
 88 17.2 0.0 33.2

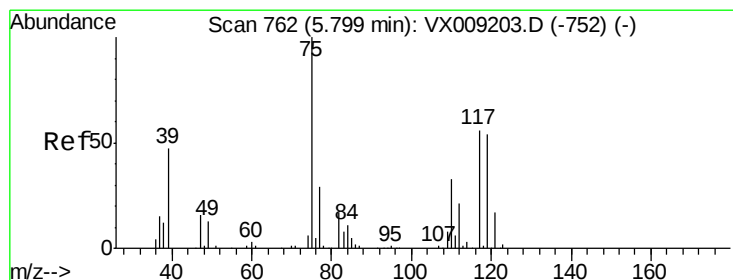
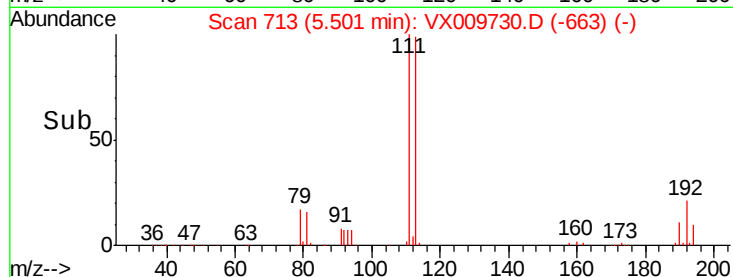
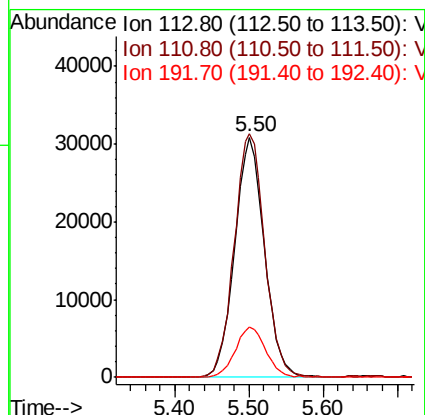
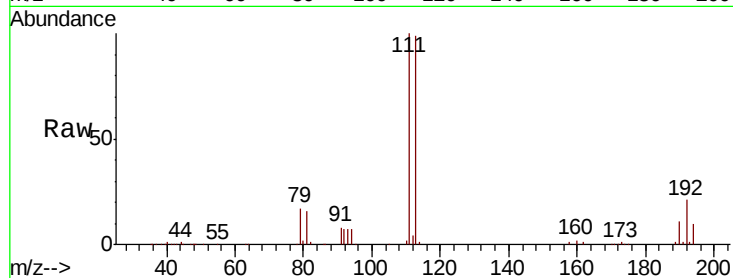




#35
 Dibromofluoromethane
 Concen: 48.708 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009730.D
 Acq: 20 May 2019 16:50

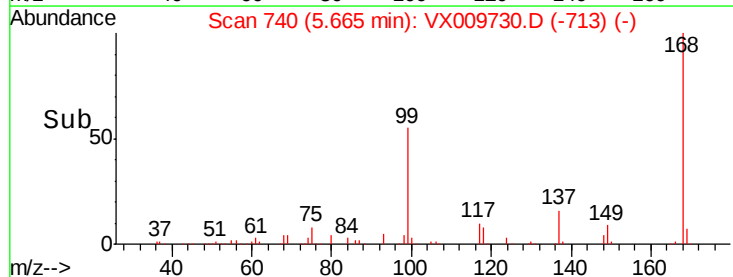
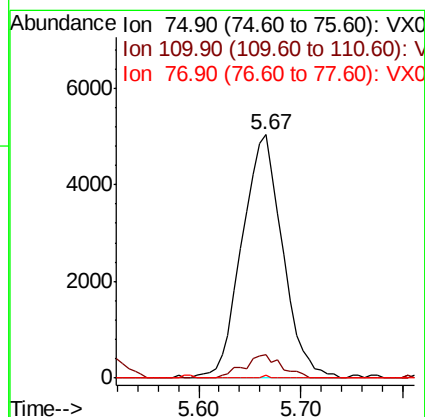
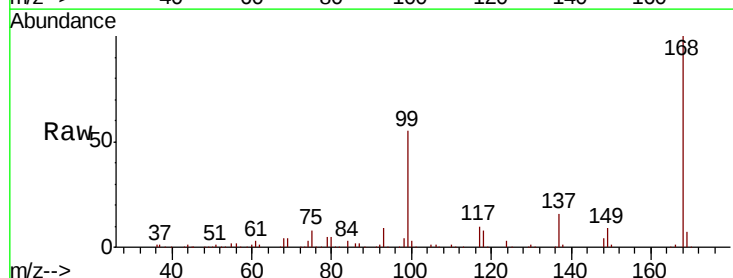
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0227

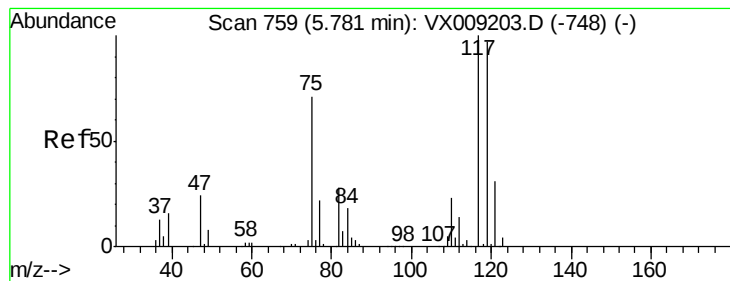
Tot Ion:113 Resp: 86389
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.8 124.2
 192 21.3 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.316 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009730.D
 Acq: 20 May 2019 16:50

Tgt Ion: 75 Resp: 13938
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.9 50.6#
 77 0.1 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

S73-0227

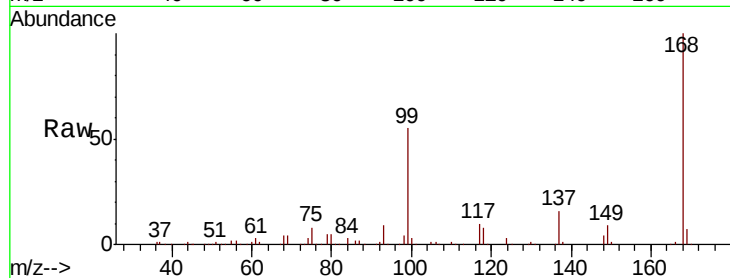
Tot Ion:117 Resp: 16676

Ion Ratio Lower Upper

117 100

119 4.8 77.5 116.3#

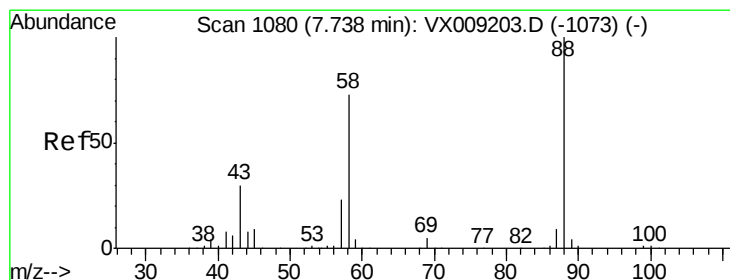
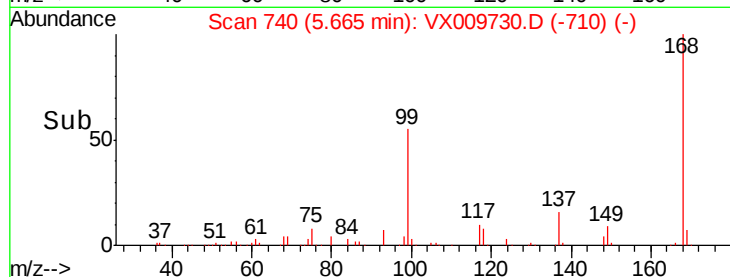
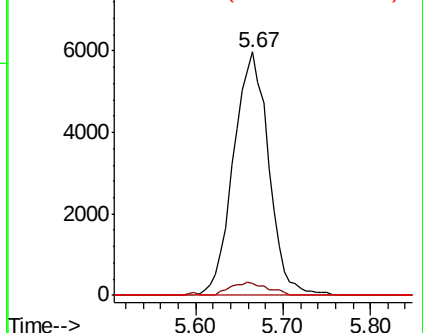
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.714 ug/l

RT: 7.93 min Scan# 1112

Delta R.T. 0.20 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

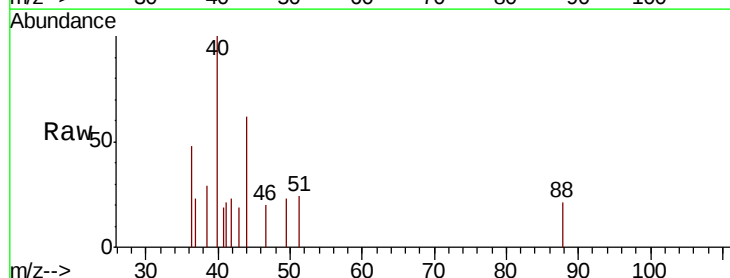
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 183.3 28.6 42.8#

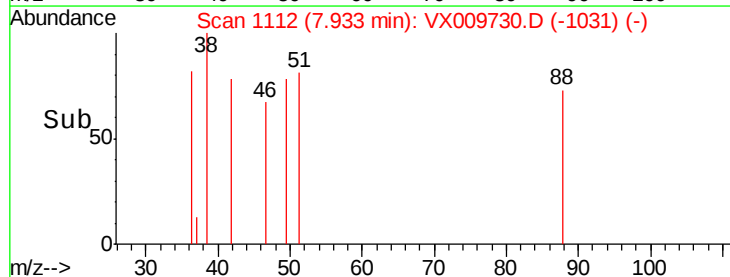
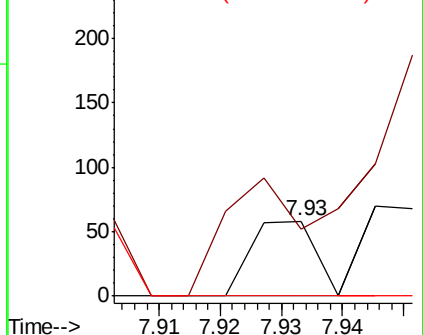
58 0.0 61.7 92.5#

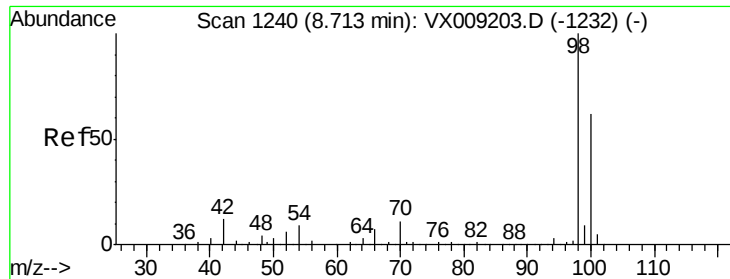


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.845 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

Instrument :

MSVOA_X

ClientSampled :

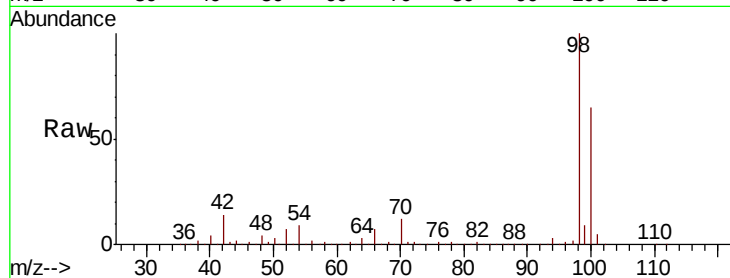
S73-0227

Tot Ion: 98 Resp: 356913

Ion Ratio Lower Upper

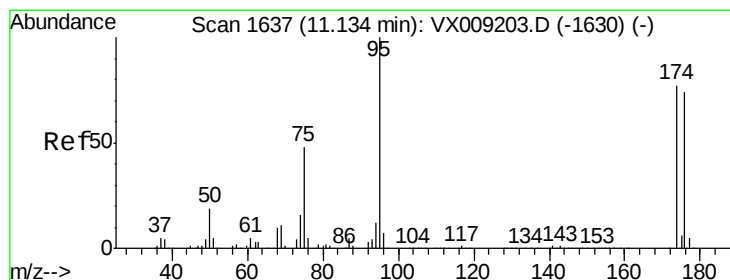
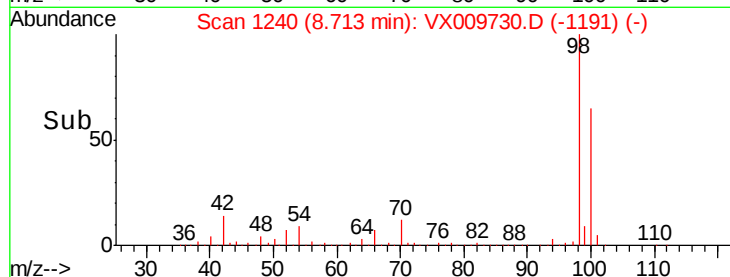
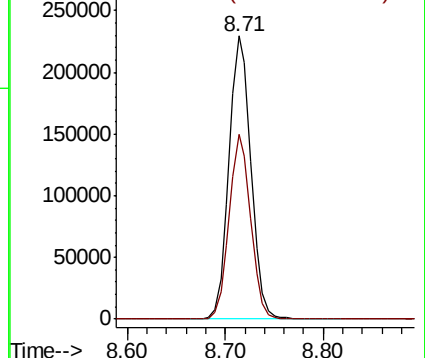
98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.488 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

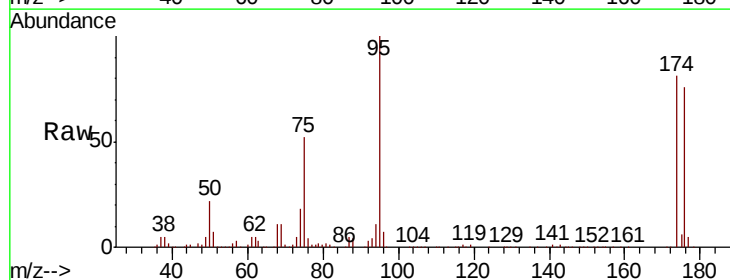
Tgt Ion: 95 Resp: 118353

Ion Ratio Lower Upper

95 100

174 81.8 0.0 161.6

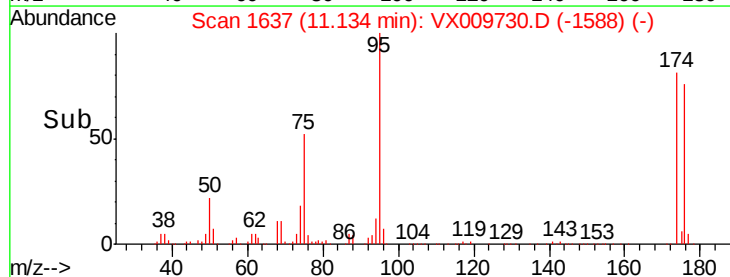
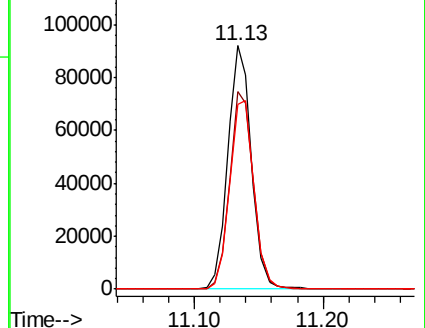
176 80.1 0.0 159.2

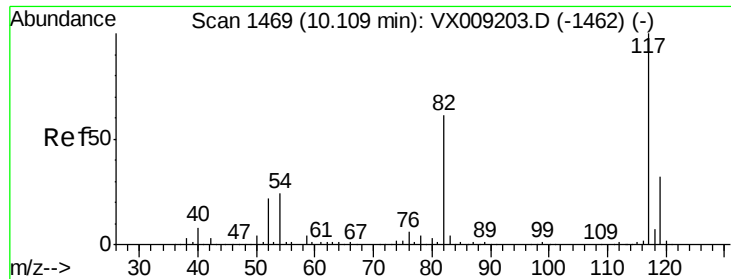


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

S73-0227

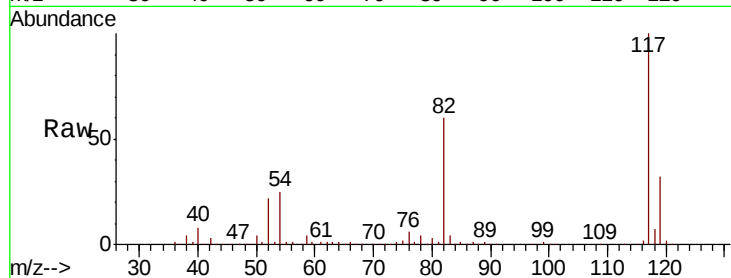
Tot Ion:117 Resp: 251247

Ion Ratio Lower Upper

117 100

82 60.3 48.8 73.2

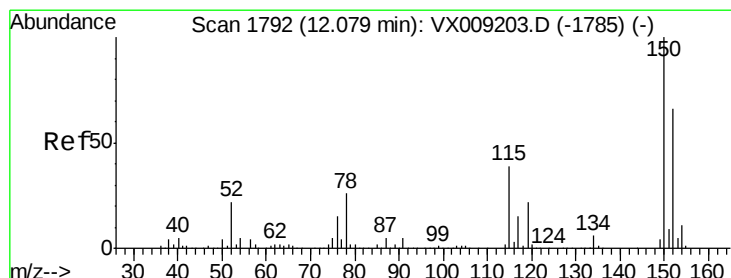
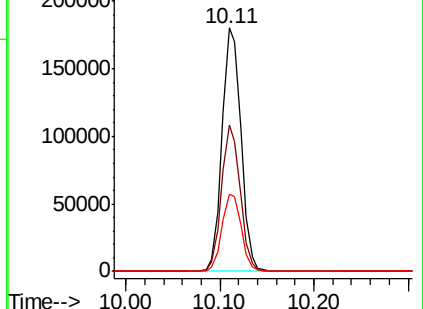
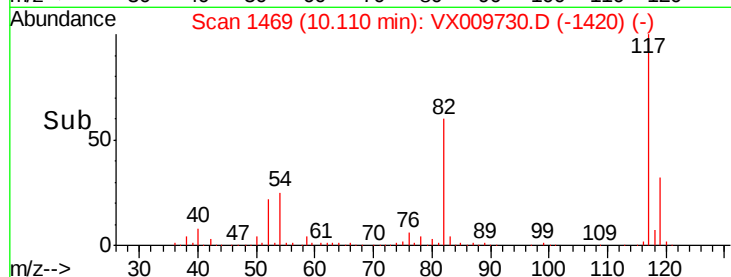
119 31.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

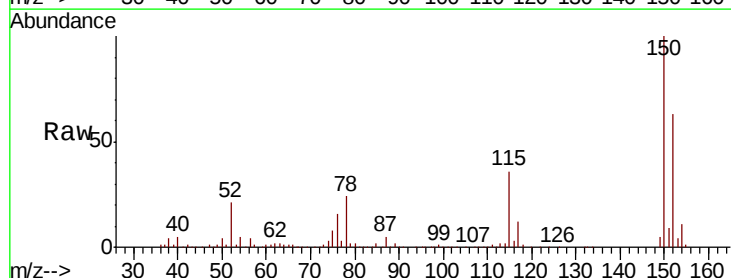
Tgt Ion:152 Resp: 106925

Ion Ratio Lower Upper

152 100

115 58.3 41.2 123.6

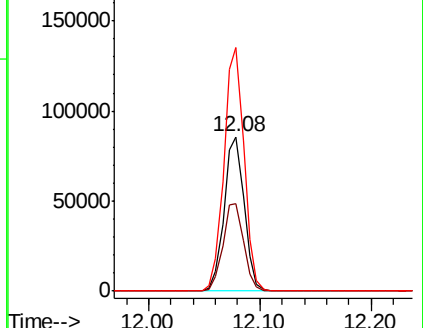
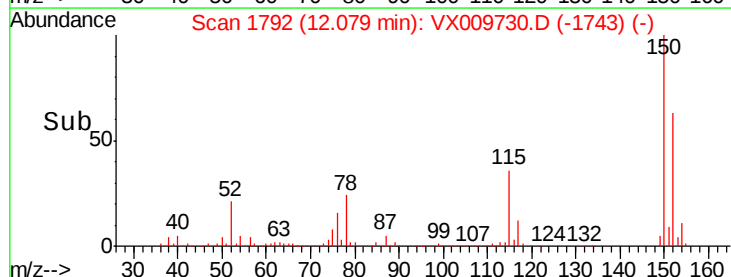
150 157.5 0.0 346.4

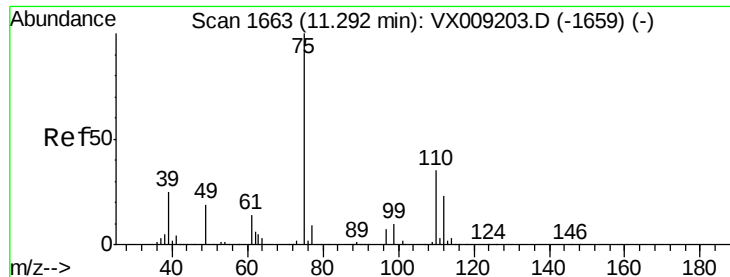


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.712 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

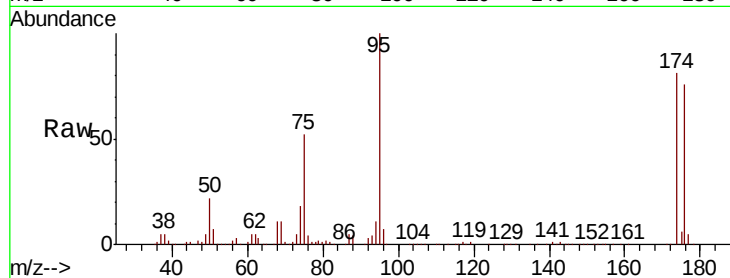
S73-0227

Tot Ion: 75 Resp: 61293

Ion Ratio Lower Upper

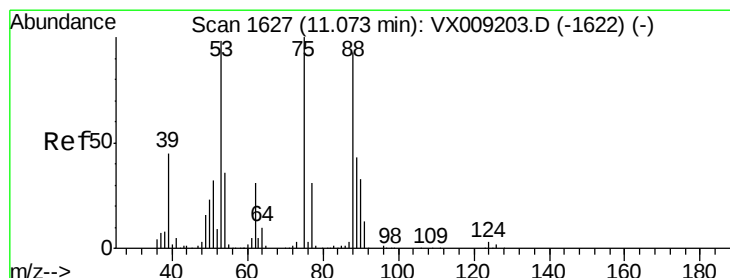
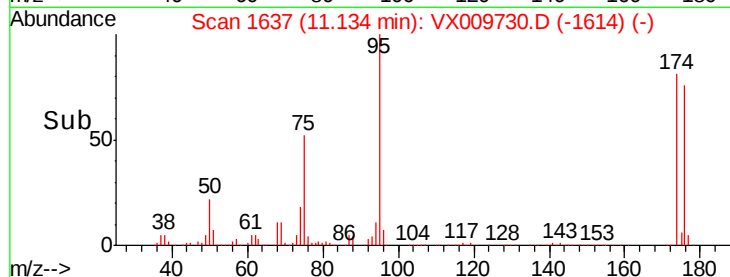
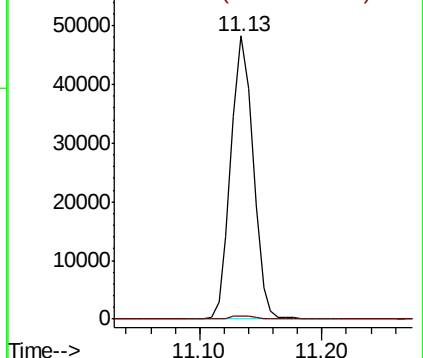
75 100

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: 63.230 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

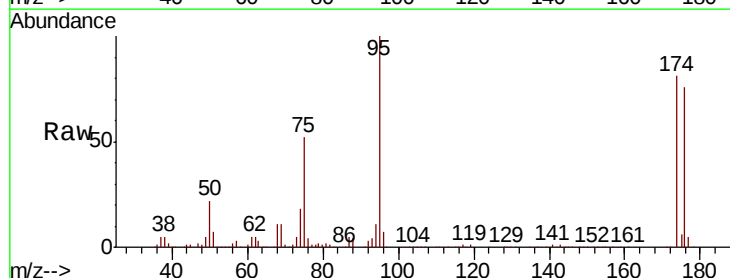
Tgt Ion: 75 Resp: 61293

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

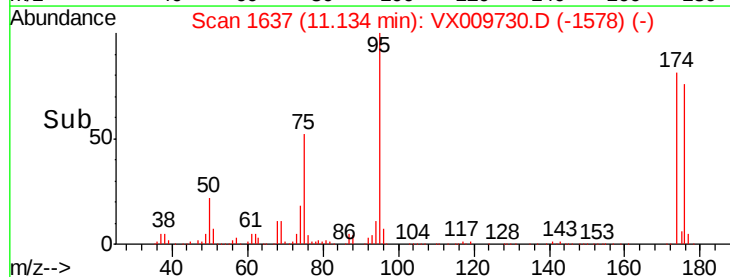
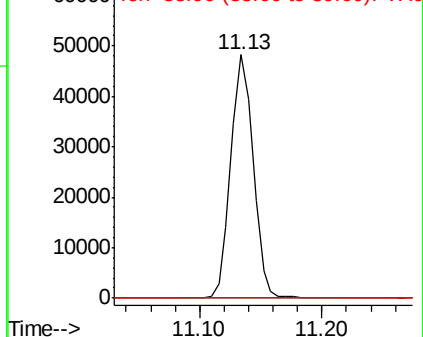
89 0.1 34.7 52.1#

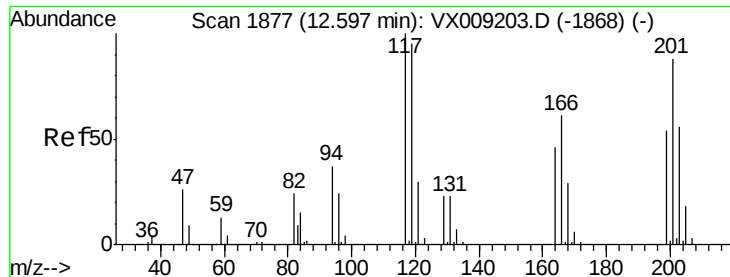


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 0.202 ug/l

RT: 12.69 min Scan# 1893

Delta R.T. 0.10 min

Lab File: VX009730.D

Acq: 20 May 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

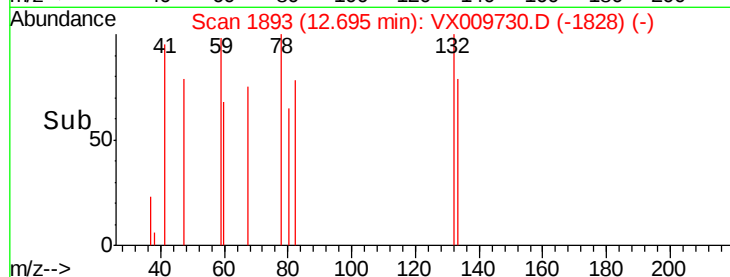
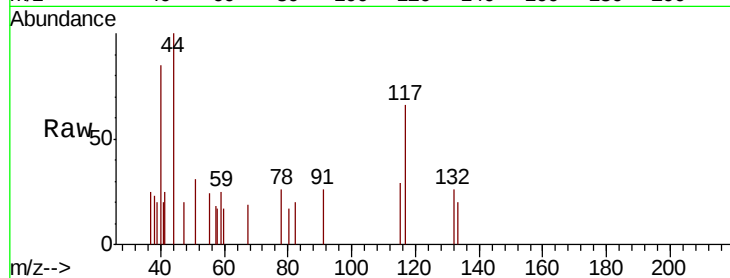
S73-0227

Tot Ion:117 Resp: 234

Ion Ratio Lower Upper

117 100

201 0.0 42.3 126.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

