

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052019\
 Data File : VX009739.D
 Acq On : 20 May 2019 20:21
 Operator : JC/SP
 Sample : K2910-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-ER-2019-1

Quant Time: May 21 07:43:21 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	172367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274479	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	103157	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	116687	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	5.50	113	84867	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	8.71	98	346531	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.13	95	114703	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	

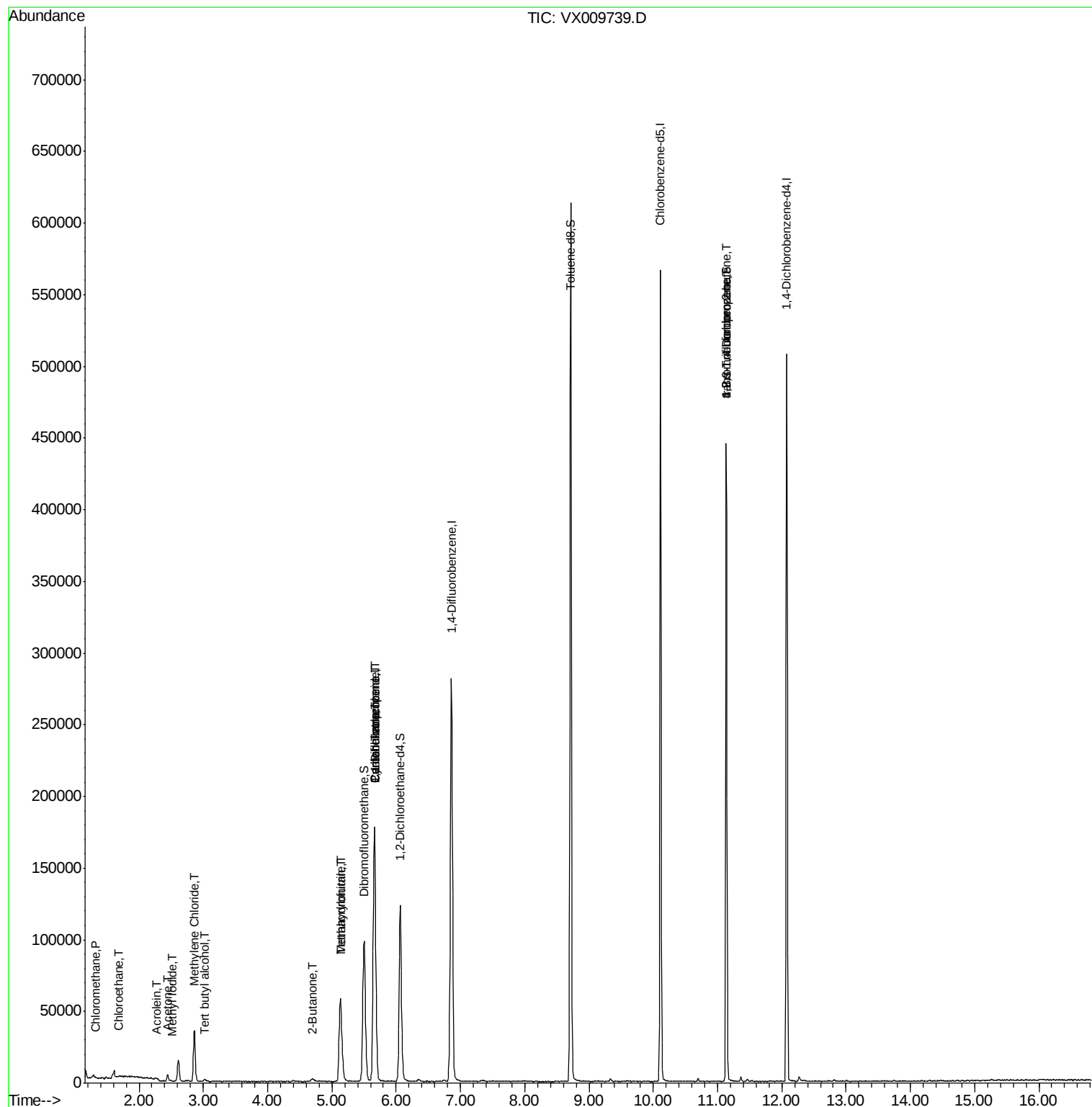
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	554	0.255	ug/l	96
6) Chloroethane	1.69	64	2577	1.898	ug/l #	45
10) Methyl Iodide	2.52	142	38	4.612	ug/l #	42
11) Tert butyl alcohol	3.02	59	1114	2.045	ug/l #	73
13) Acrolein	2.27	56	104	0.211	ug/l #	77
16) Acetone	2.45	43	5381	4.259	ug/l	92
20) Methylene Chloride	2.85	84	15905	7.775	ug/l	98
25) 2-Butanone	4.71	43	1413	0.720	ug/l	99
28) Bromochloromethane	4.99	49	19	Below Cal	#	20
29) Tetrahydrofuran	5.13	42	58958	46.665	ug/l	99
31) Cyclohexane	5.67	56	3927	1.129	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13931	5.461	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16807	7.252	ug/l #	15
41) Methacrylonitrile	5.13	41	32991	15.594	ug/l #	49
76) 1,2,3-Trichloropropane	11.13	75	59177	24.731	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59177	63.277	ug/l #	10

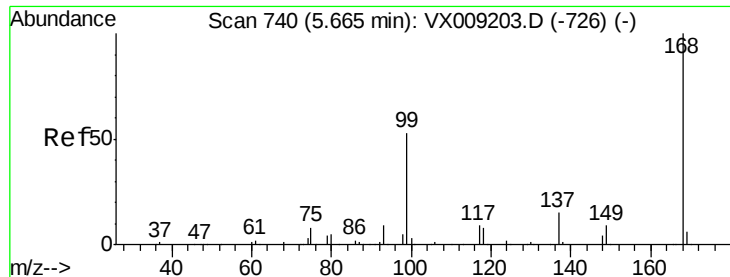
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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: VX009739.D

Acq: 20 May 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

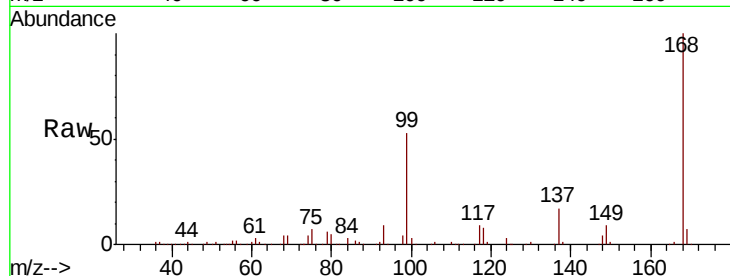
S73-ER-2019-1

Tot Ion:168 Resp: 172367

Ion Ratio Lower Upper

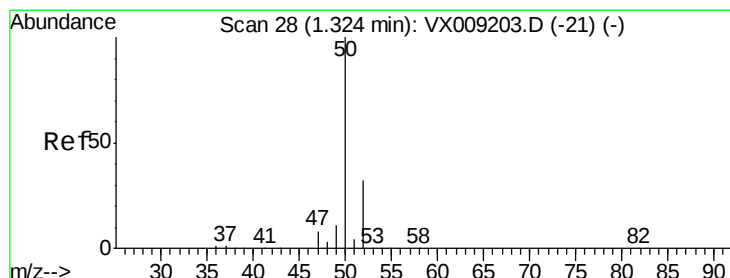
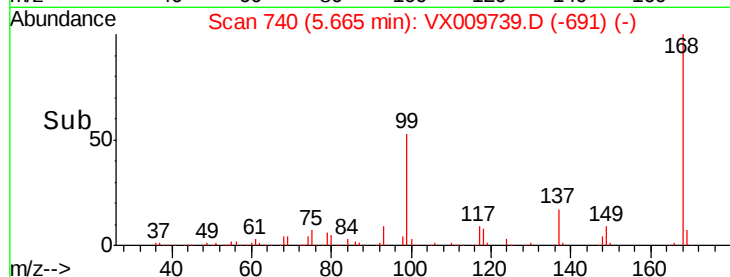
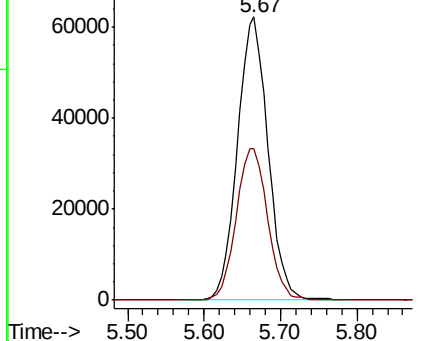
168 100

99 53.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.255 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009739.D

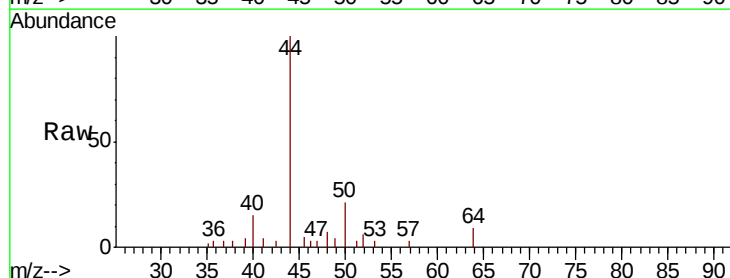
Acq: 20 May 2019 20:21

Tgt Ion: 50 Resp: 554

Ion Ratio Lower Upper

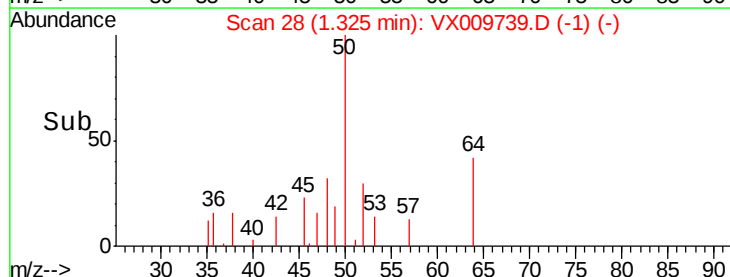
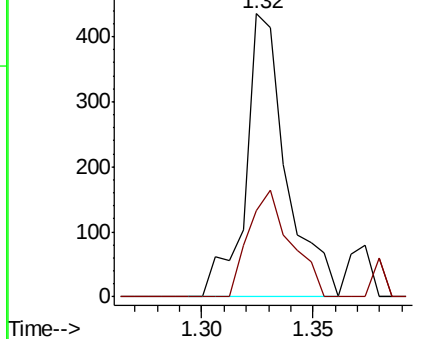
50 100

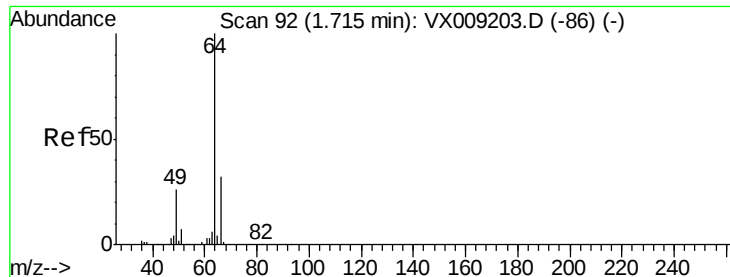
52 30.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 1.898 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX009739.D

Acq: 20 May 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

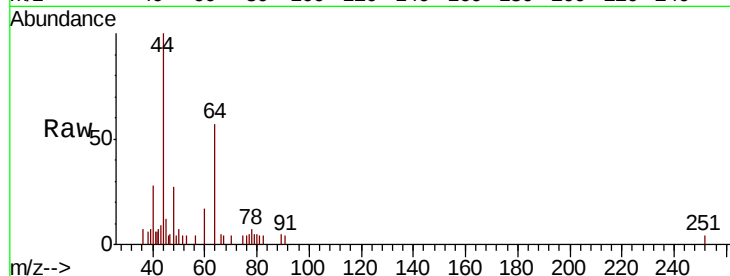
S73-ER-2019-1

Tot Ion: 64 Resp: 2577

Ion Ratio Lower Upper

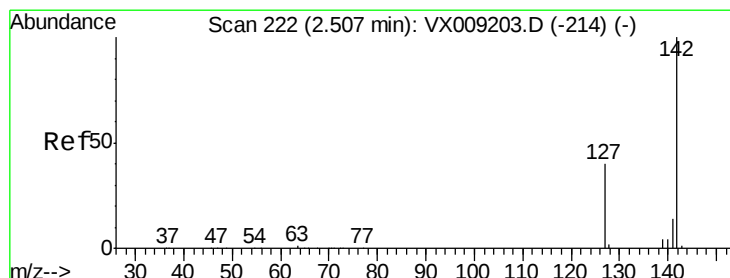
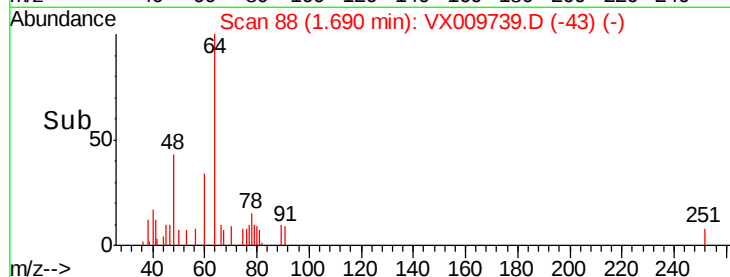
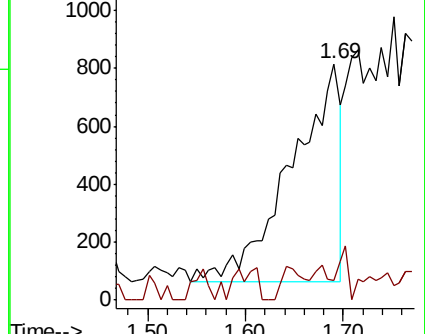
64 100

66 0.9 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: 4.612 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009739.D

Acq: 20 May 2019 20:21

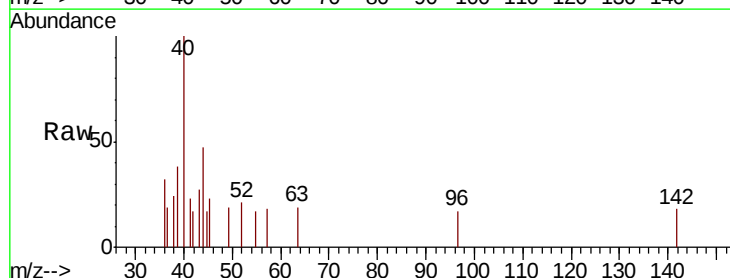
Tgt Ion: 142 Resp: 38

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

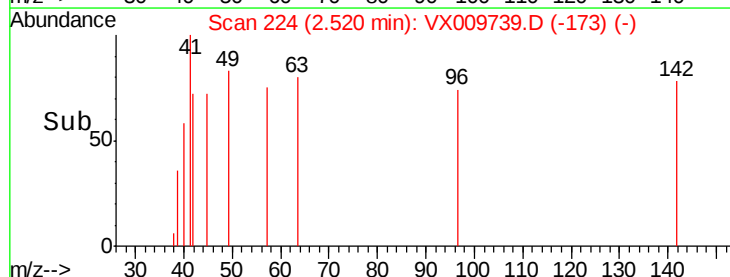
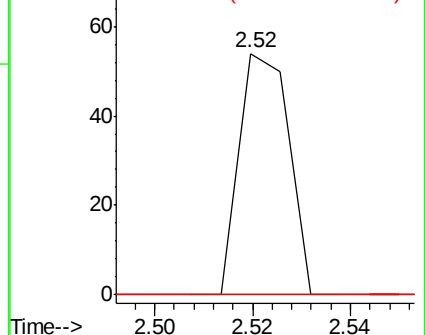
141 0.0 11.5 17.3#

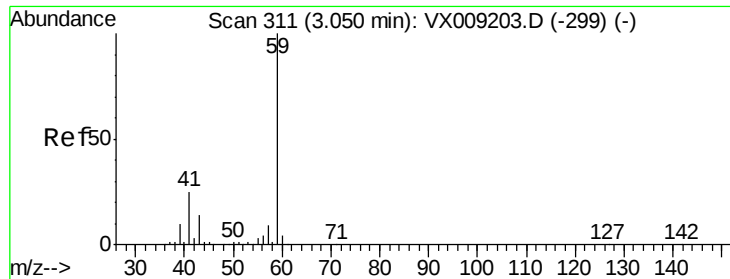


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

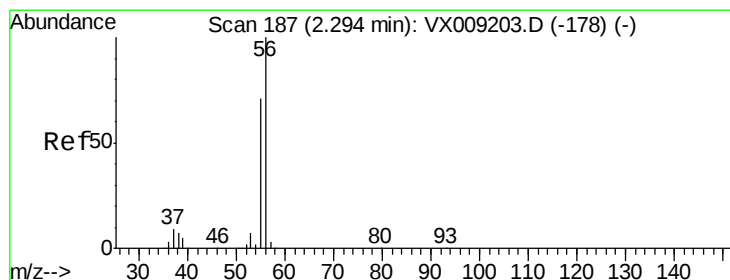
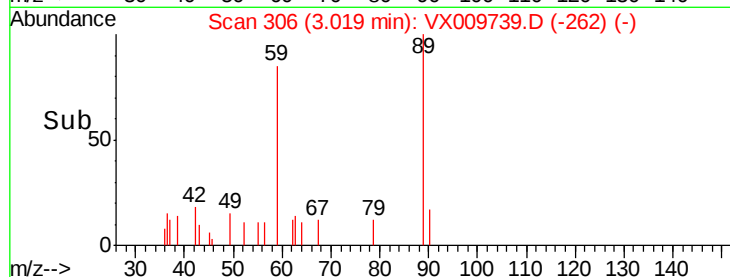
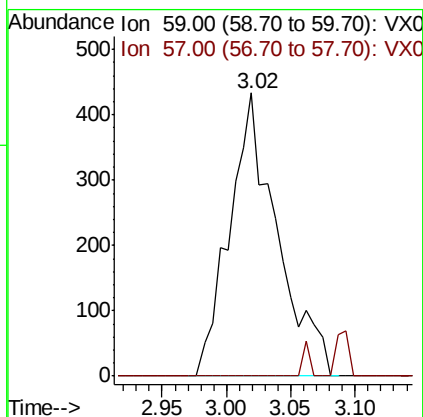
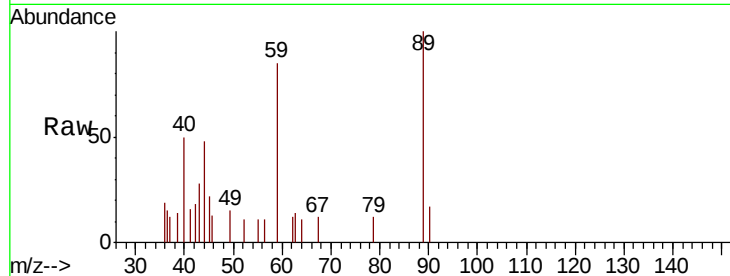




#11
Tert butvl alcohol
Concen: 2.045 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009739.D
Acq: 20 May 2019 20:21

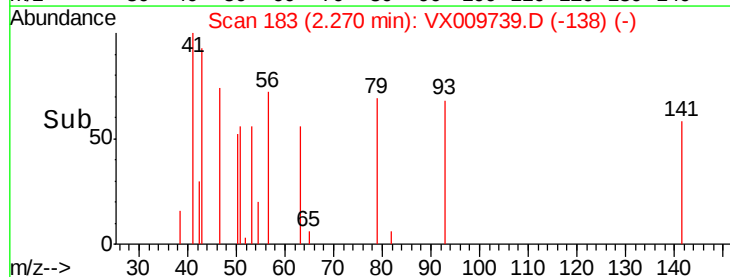
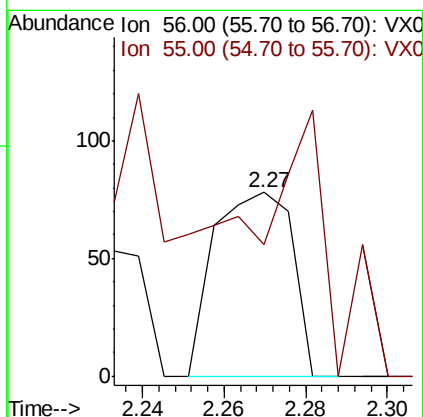
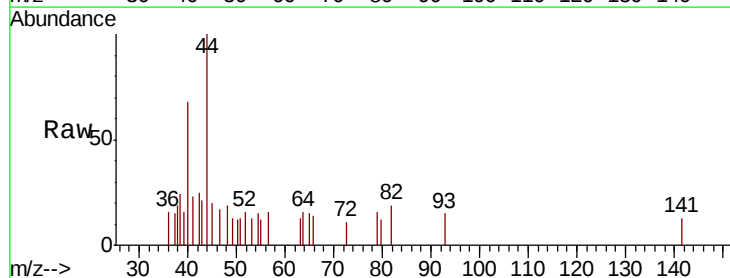
Instrument :
MSVOA_X
ClientSampleId :
S73-ER-2019-1

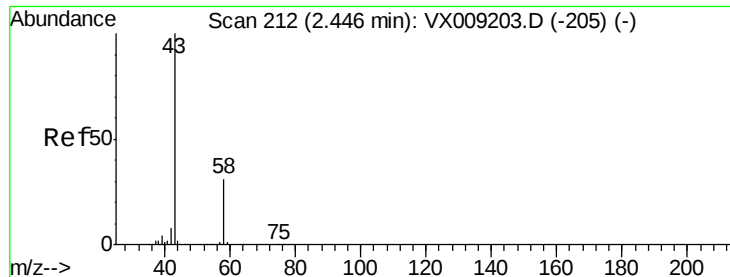
Tot Ion: 59 Resp: 1114
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.211 ug/l
RT: 2.27 min Scan# 183
Delta R.T. -0.02 min
Lab File: VX009739.D
Acq: 20 May 2019 20:21

Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 89.4 56.6 85.0#





#16

Acetone

Concen: 4.259 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009739.D

Acq: 20 May 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

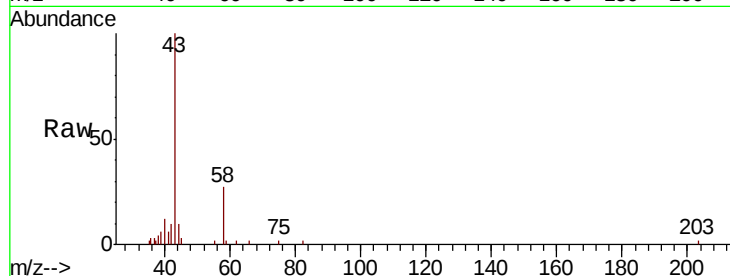
S73-ER-2019-1

Tot Ion: 43 Resp: 5381

Ion Ratio Lower Upper

43 100

58 26.8 24.9 37.3

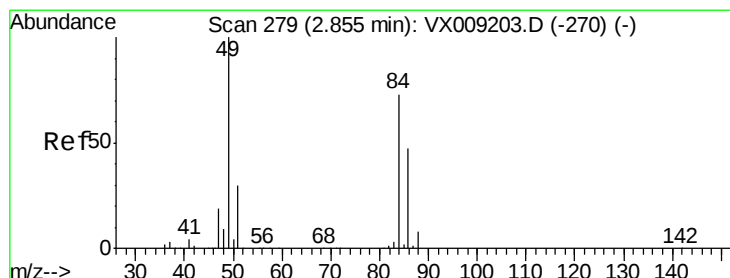
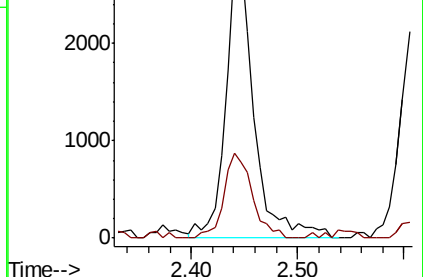
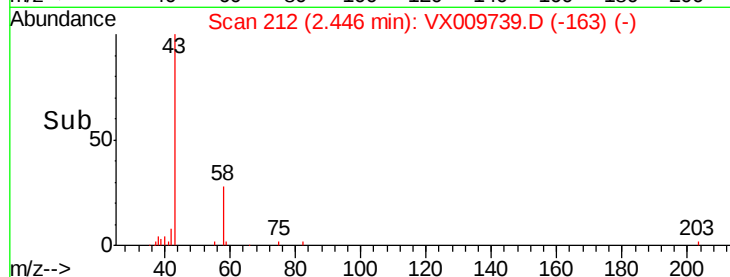


Abundance Ion 43.00 (42.70 to 43.70): VX009739.D (-205) (-)

Ion 58.00 (57.70 to 58.70): VX009739.D (-205) (-)

2.45

Time-->



#20

Methylene Chloride

Concen: 7.775 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009739.D

Acq: 20 May 2019 20:21

Tgt Ion: 84 Resp: 15905

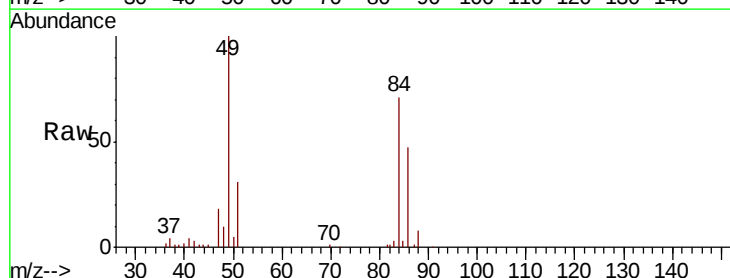
Ion Ratio Lower Upper

84 100

49 140.3 109.9 164.9

51 43.4 32.7 49.1

86 65.5 52.0 78.0



Abundance Ion 83.90 (83.60 to 84.60): VX009739.D (-270) (-)

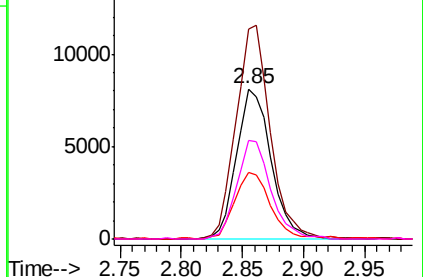
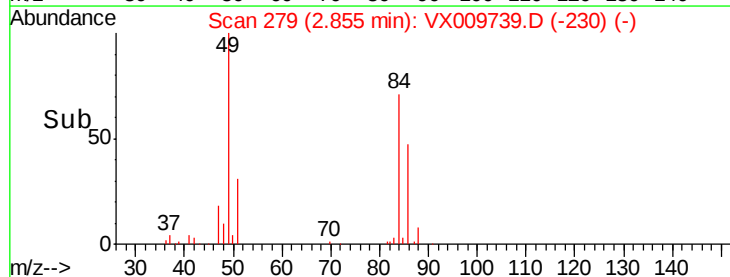
Ion 48.90 (48.60 to 49.60): VX009739.D (-270) (-)

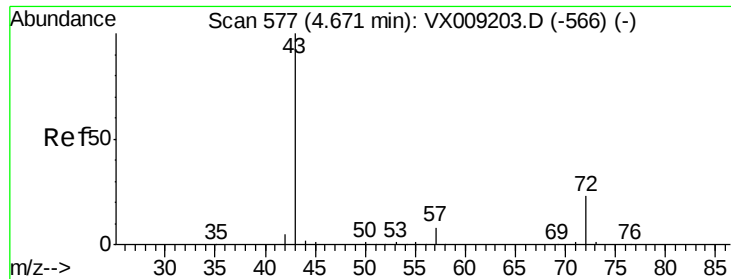
Ion 50.90 (50.60 to 51.60): VX009739.D (-270) (-)

Ion 85.90 (85.60 to 86.60): VX009739.D (-270) (-)

2.85

Time-->





#25

2-Butanone

Concen: 0.720 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.04 min

Lab File: VX009739.D

Acq: 20 May 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

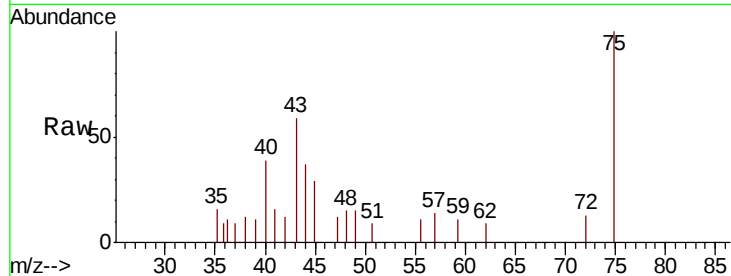
S73-ER-2019-1

Tot Ion: 43 Resp: 1413

Ion Ratio Lower Upper

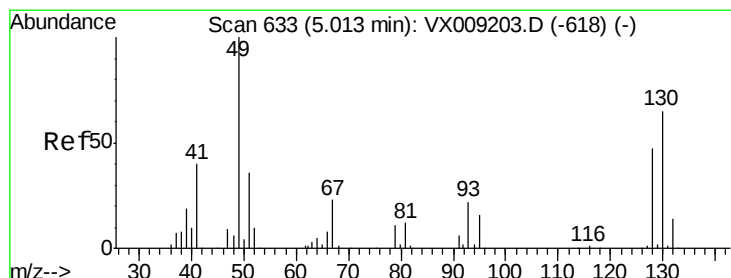
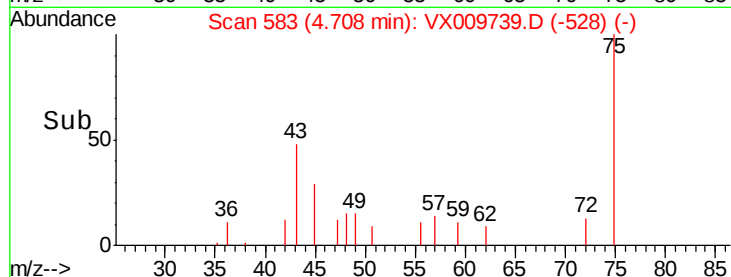
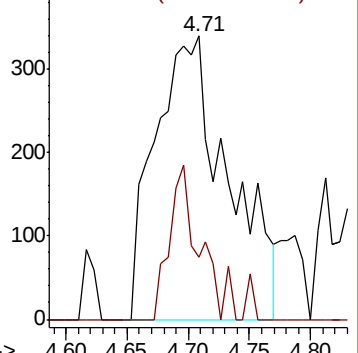
43 100

72 22.1 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009739.D

Acq: 20 May 2019 20:21

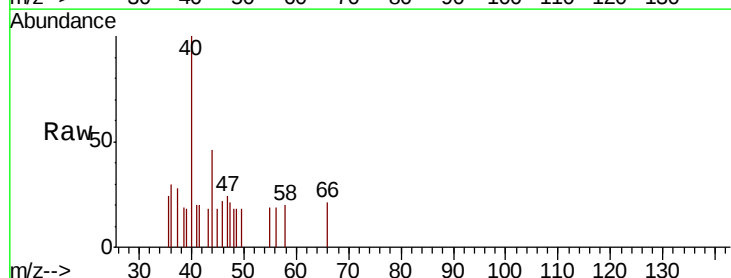
Tgt Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

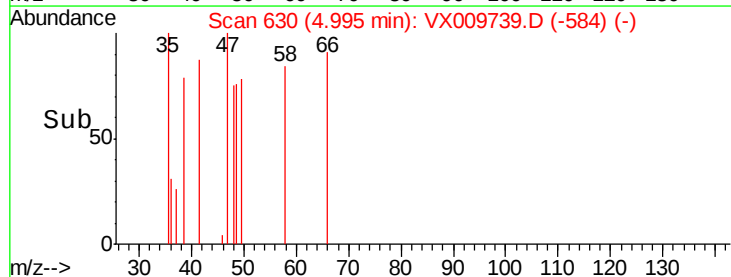
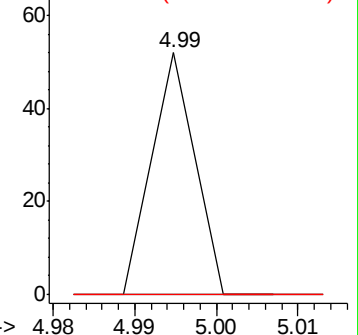
130 0.0 51.2 76.8#

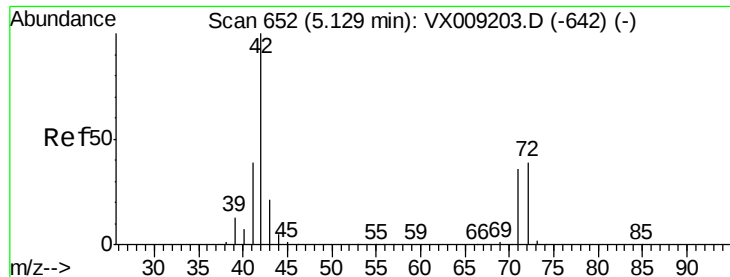


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

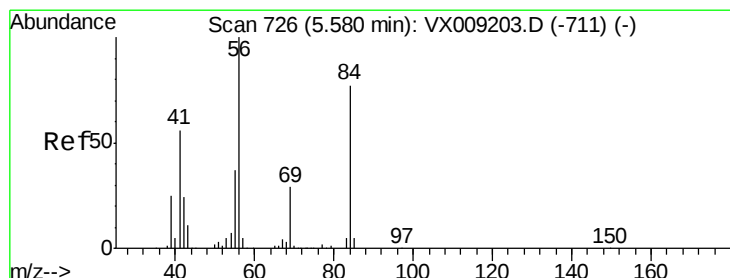
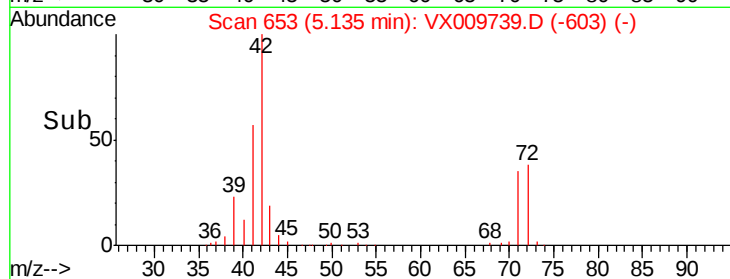
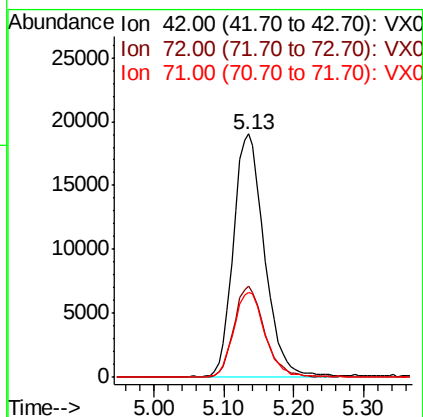
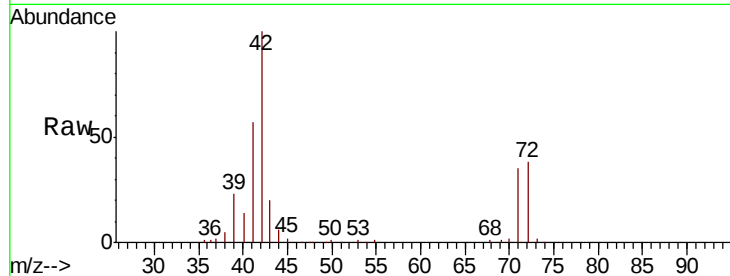




#29
Tetrahydrofuran
Concen: 46.665 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009739.D
Acq: 20 May 2019 20:21

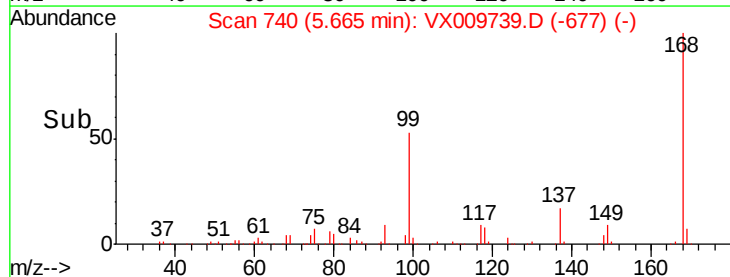
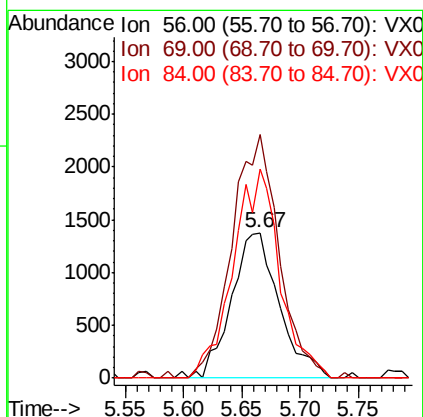
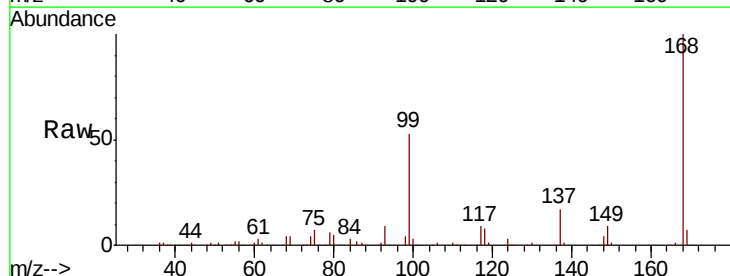
Instrument :
MSVOA_X
ClientSampleId :
S73-ER-2019-1

Tot Ion: 42 Resp: 58958
Ion Ratio Lower Upper
42 100
72 36.8 30.4 45.6
71 35.3 28.6 43.0



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009739.D
Acq: 20 May 2019 20:21

Tgt Ion: 56 Resp: 3927
Ion Ratio Lower Upper
56 100
69 167.5 23.4 35.0#
84 144.2 61.9 92.9#

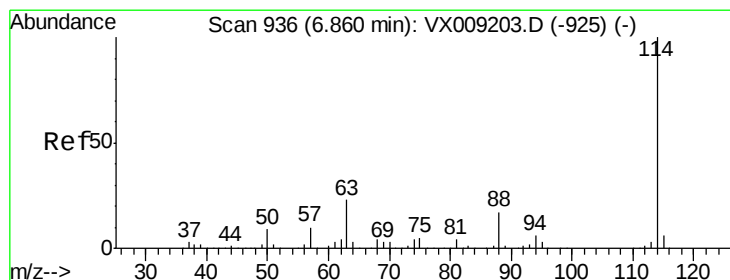
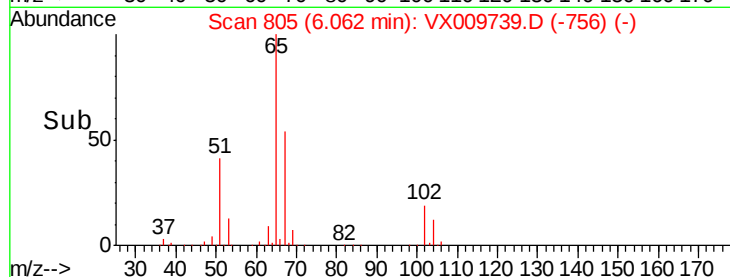
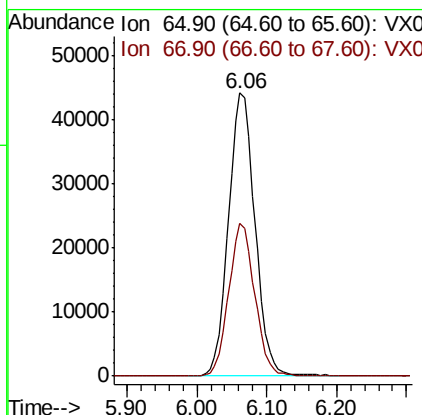
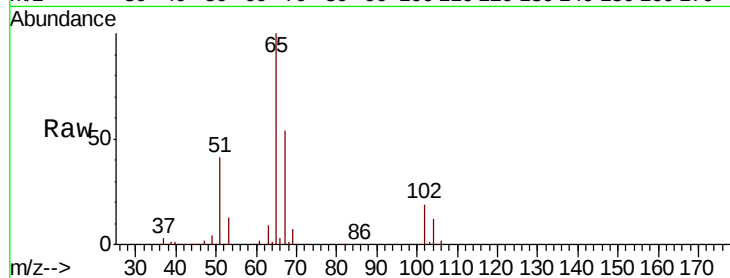




#33
 1,2-Dichloroethane-d4
 Concen: 49.590 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009739.D
 Acq: 20 May 2019 20:21

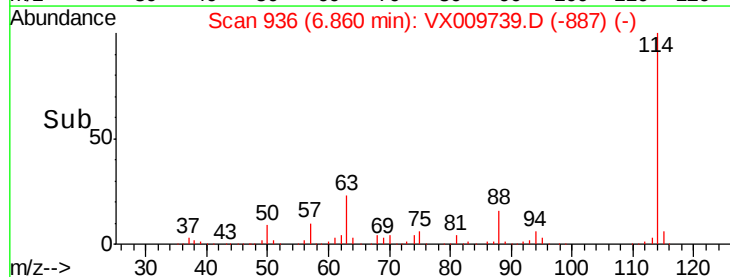
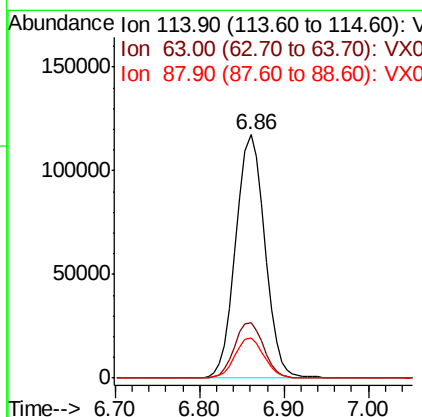
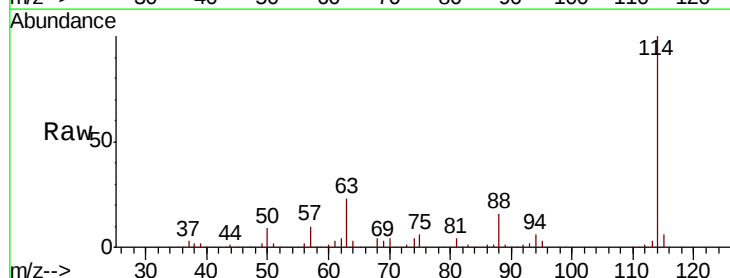
Instrument :
 MSVOA_X
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 S73-ER-2019-1

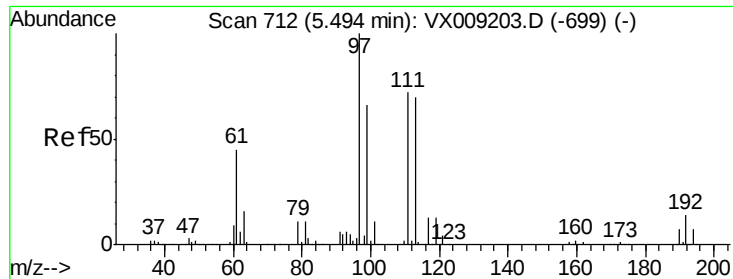
Tot Ion: 65 Resp: 116687
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009739.D
 Acq: 20 May 2019 20:21

Tgt Ion: 114 Resp: 274479
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 16.5 0.0 33.2

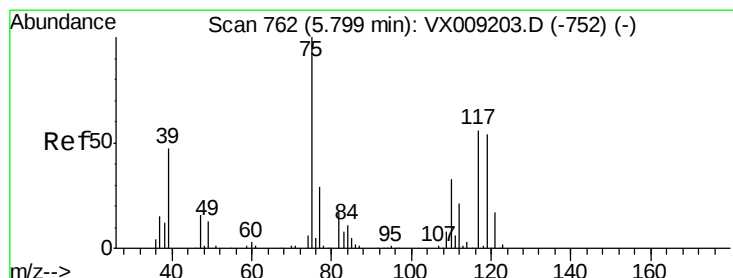
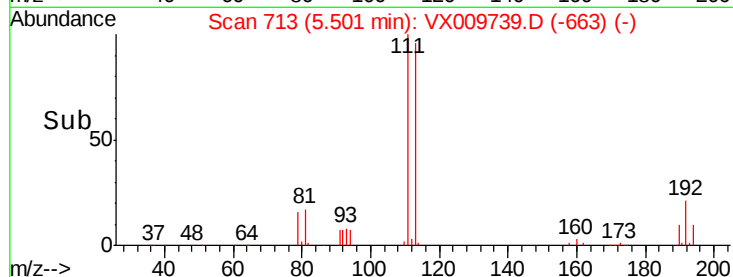
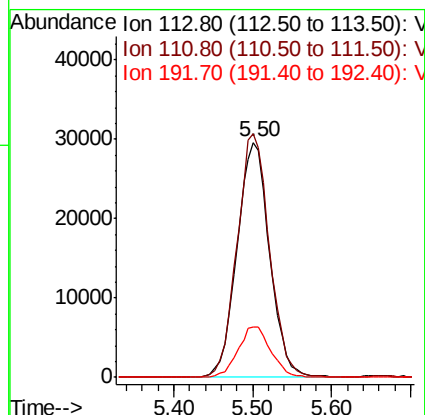
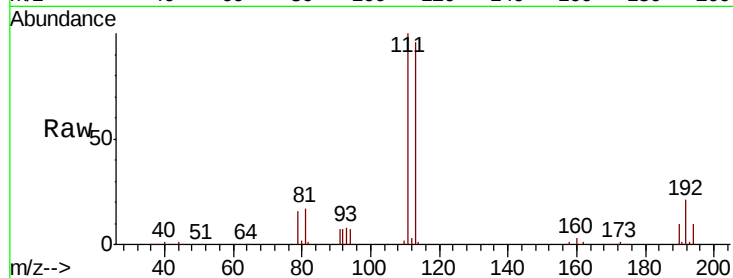




#35
 Dibromofluoromethane
 Concen: 49.184 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009739.D
 Acq: 20 May 2019 20:21

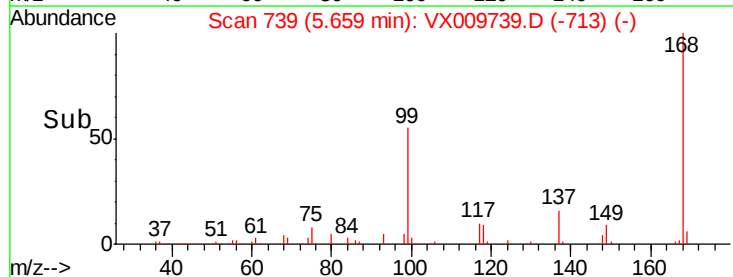
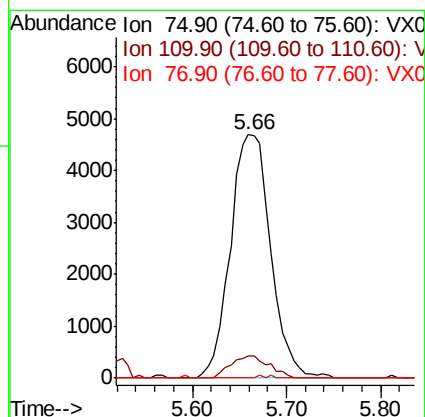
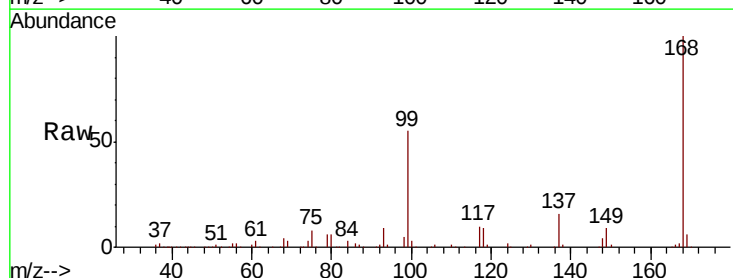
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-ER-2019-1

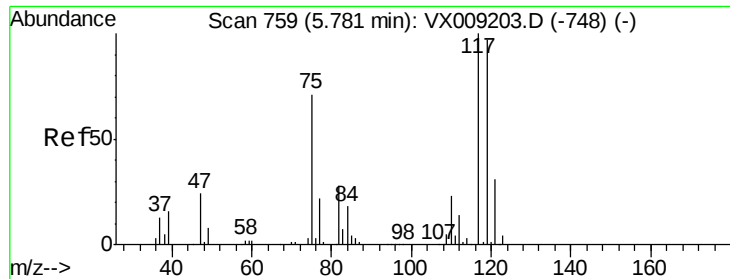
Tot Ion:113 Resp: 84867
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 21.6 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.461 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009739.D
 Acq: 20 May 2019 20:21

Tgt Ion: 75 Resp: 13931
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.252 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009739.D

Acq: 20 May 2019 20:21

Instrument :

MSVOA_X

ClientSampled :

S73-ER-2019-1

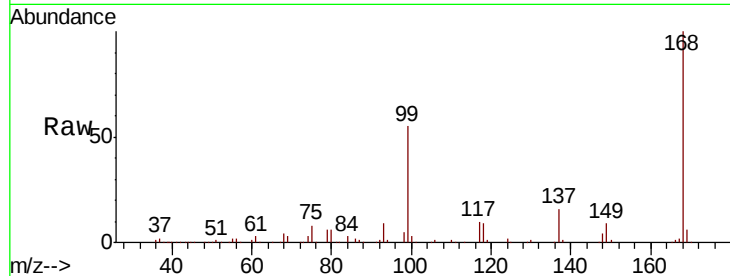
Tot Ion:117 Resp: 16807

Ion Ratio Lower Upper

117 100

119 4.9 77.5 116.3#

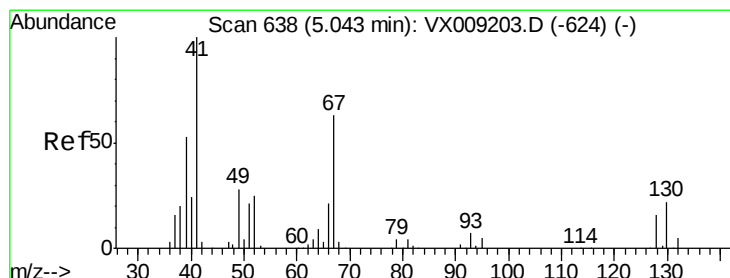
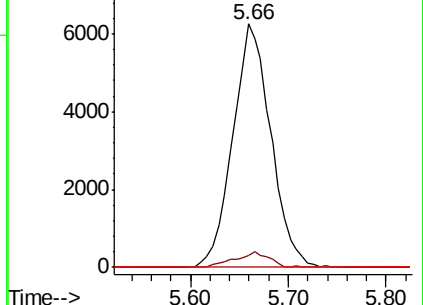
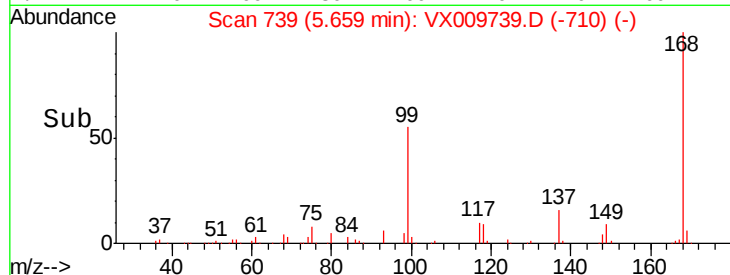
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 15.594 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.09 min

Lab File: VX009739.D

Acq: 20 May 2019 20:21

Tgt Ion: 41 Resp: 32991

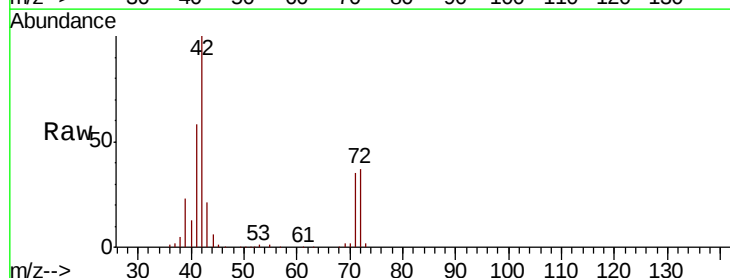
Ion Ratio Lower Upper

41 100

39 41.9 42.0 63.0#

67 0.0 49.8 74.8#

52 0.1 20.3 30.5#

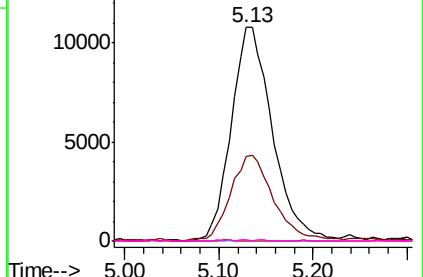
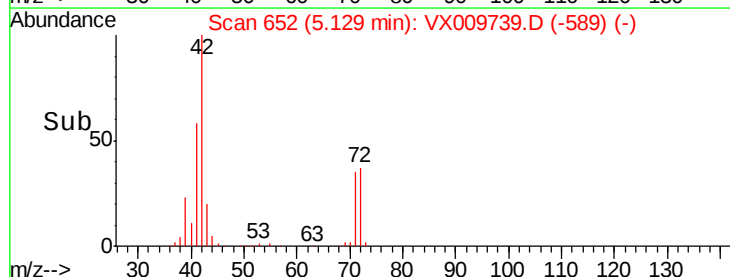


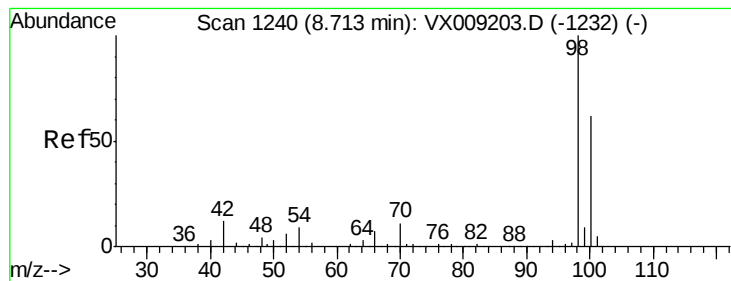
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#50

Toluene-d8

Concen: 49.745 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009739.D

Acq: 20 May 2019 20:21

Instrument :

MSVOA_X

ClientSampled :

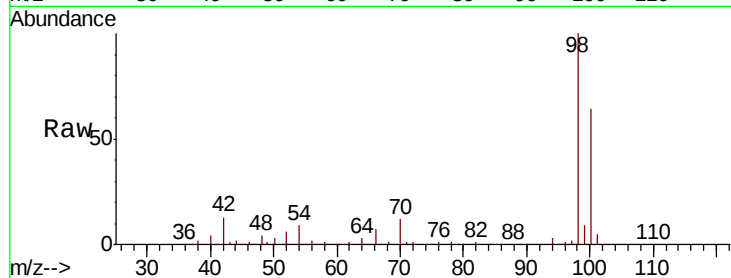
S73-ER-2019-1

Tot Ion: 98 Resp: 346531

Ion Ratio Lower Upper

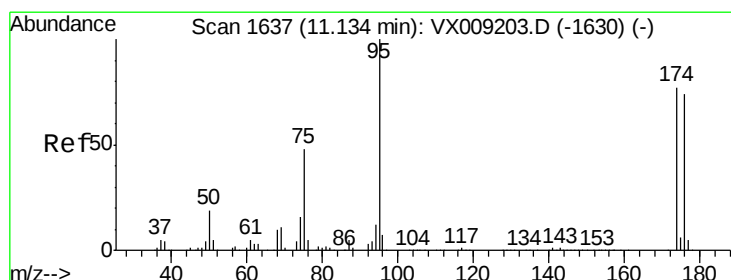
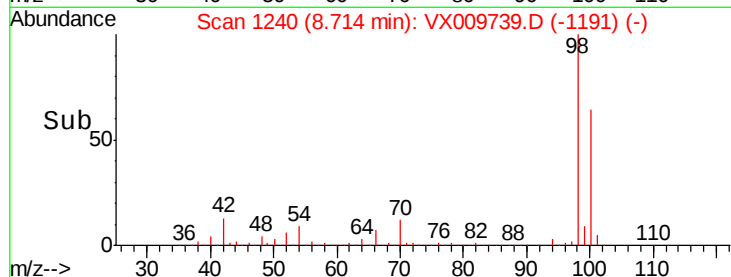
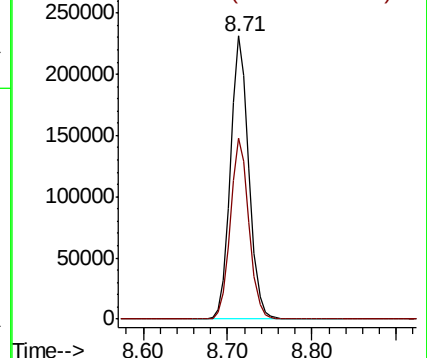
98 100

100 64.4 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: 45.315 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009739.D

Acq: 20 May 2019 20:21

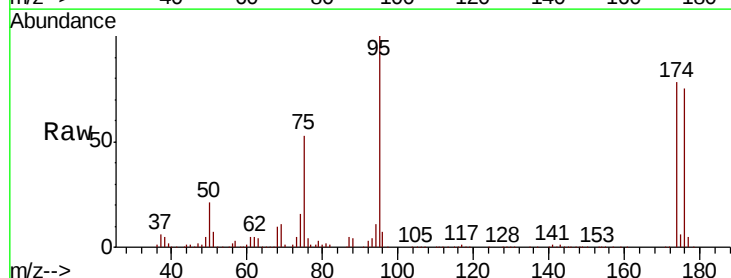
Tgt Ion: 95 Resp: 114703

Ion Ratio Lower Upper

95 100

174 81.7 0.0 161.6

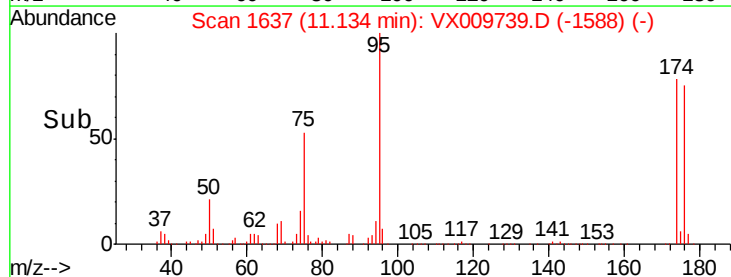
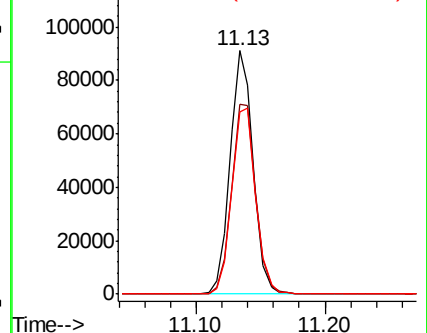
176 79.4 0.0 159.2

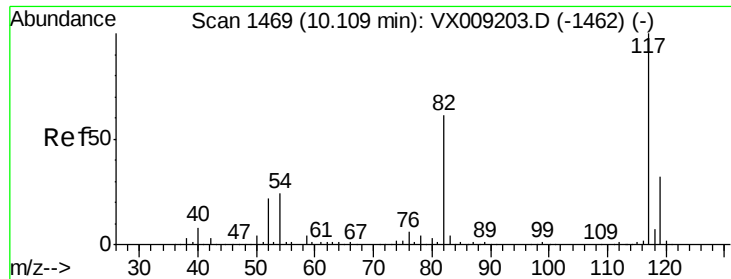


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

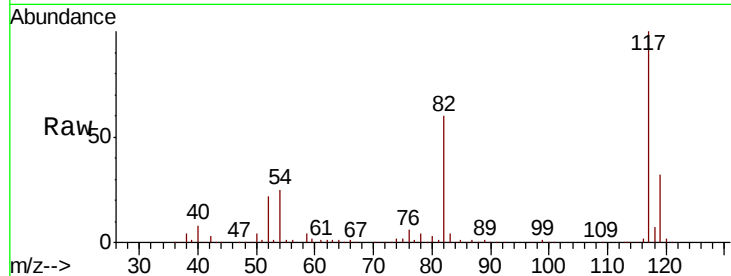




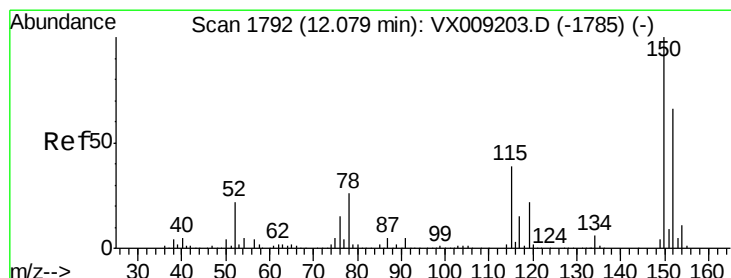
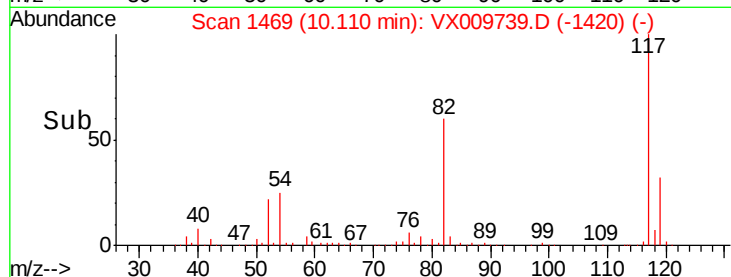
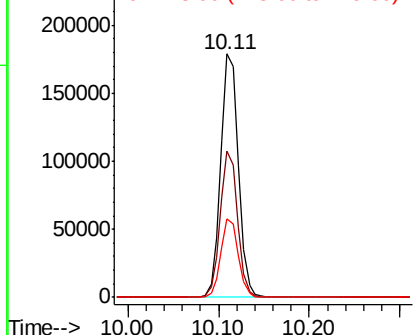
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009739.D
Acq: 20 May 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
S73-ER-2019-1

Tot Ion:117 Resp: 243465
Ion Ratio Lower Upper
117 100
82 60.0 48.8 73.2
119 32.1 25.8 38.6

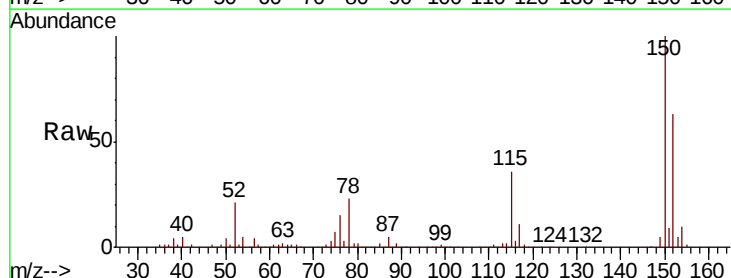


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

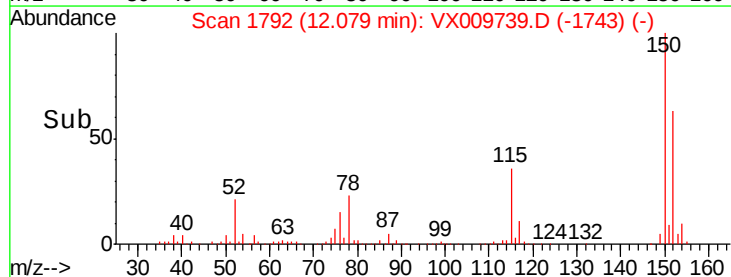
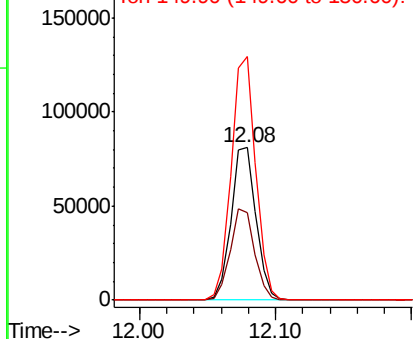


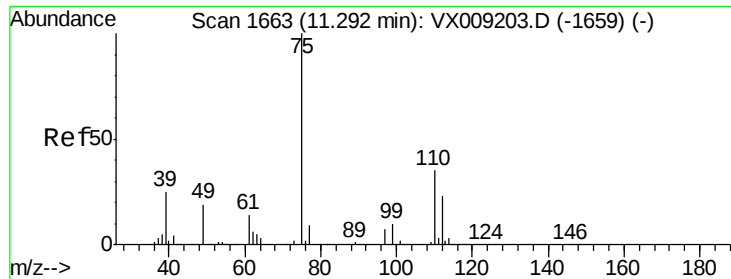
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009739.D
Acq: 20 May 2019 20:21

Tgt Ion:152 Resp: 103157
Ion Ratio Lower Upper
152 100
115 58.8 41.2 123.6
150 157.1 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: 24.731 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009739.D

Acq: 20 May 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

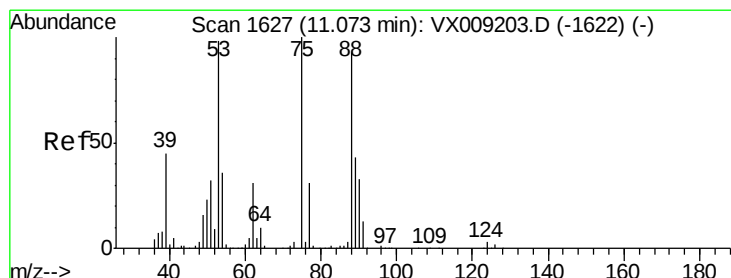
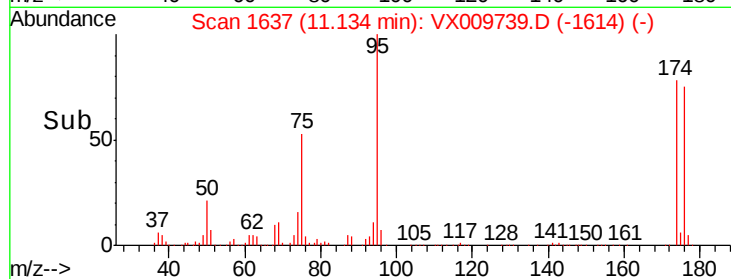
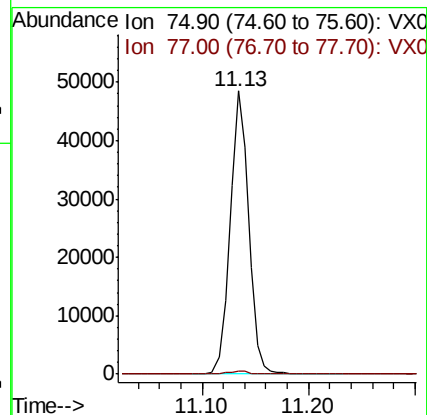
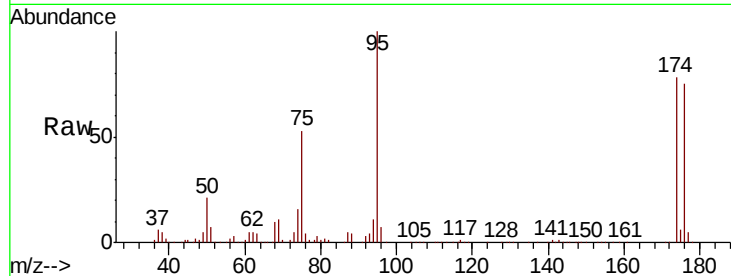
S73-ER-2019-1

Tot Ion: 75 Resp: 59177

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.277 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009739.D

Acq: 20 May 2019 20:21

Tgt Ion: 75 Resp: 59177

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

