

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052419\
 Data File : VX009882.D
 Acq On : 24 May 2019 13:27
 Operator : JC/SP
 Sample : K2910-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 25 00:13:01 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	175866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	279693	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111629	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	120239	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
35) Dibromofluoromethane	5.50	113	85449	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	8.71	98	359253	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.13	95	122628	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	

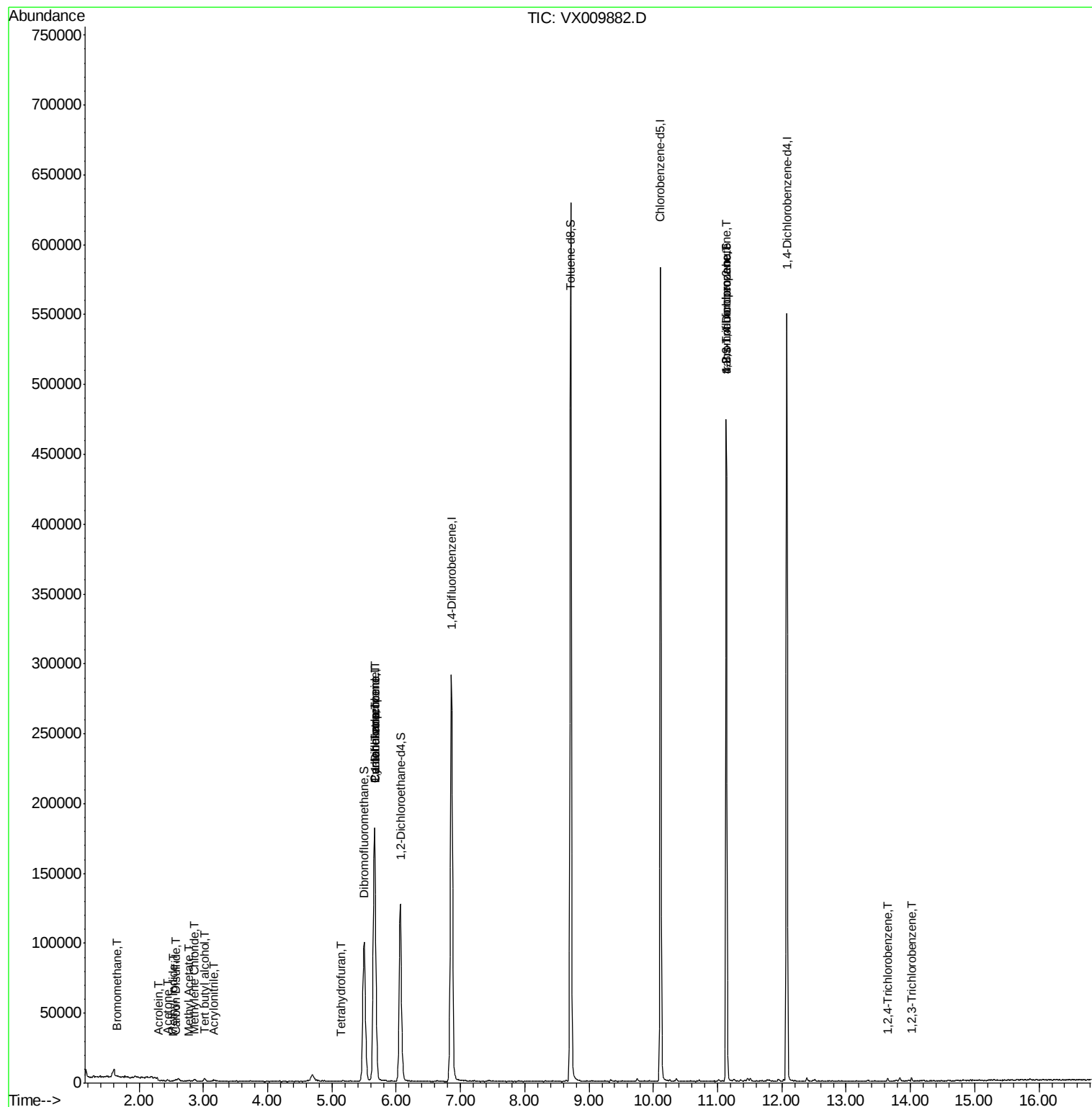
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	336	0.259	ug/l	82
10) Methyl Iodide	2.53	142	462	4.813	ug/l #	87
11) Tert butyl alcohol	3.02	59	1427	2.568	ug/l #	73
13) Acrolein	2.31	56	443	0.880	ug/l	91
15) Acrylonitrile	3.17	53	456	0.336	ug/l #	73
16) Acetone	2.44	43	1386	1.075	ug/l	89
17) Carbon Disulfide	2.57	76	1342	0.290	ug/l	100
18) Methyl Acetate	2.77	43	642	0.209	ug/l #	63
20) Methylene Chloride	2.85	84	519	0.249	ug/l #	79
28) Bromochloromethane	4.99	49	132	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	365	0.283	ug/l #	43
31) Cyclohexane	5.66	56	3868	1.090	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14497	5.577	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16492	6.984	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	64615	24.954	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64615	63.848	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	550	0.220	ug/l	83
96) 1,2,3-Trichlorobenzene	14.02	180	513	0.202	ug/l	94

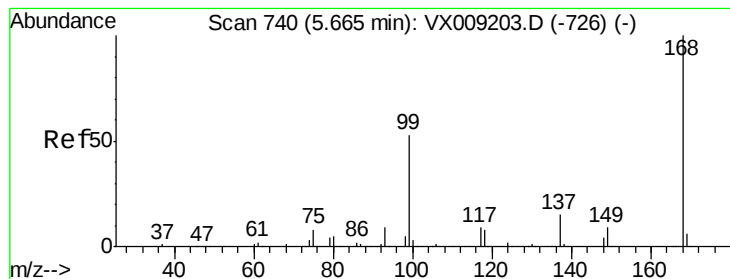
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX009882.D

Acq: 24 May 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

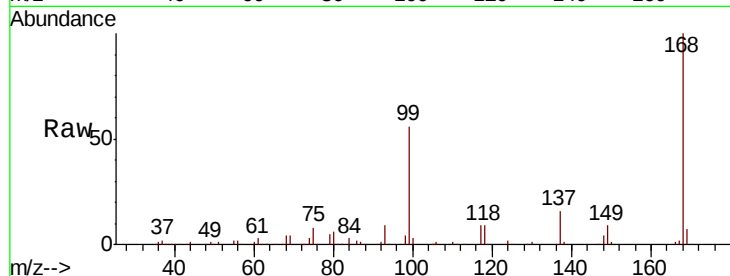
S73-TB-2019-1

Tot Ion:168 Resp: 175866

Ion Ratio Lower Upper

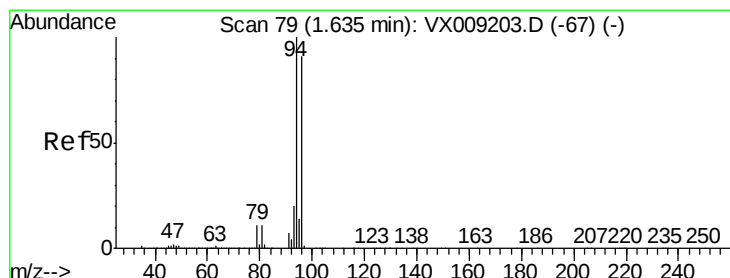
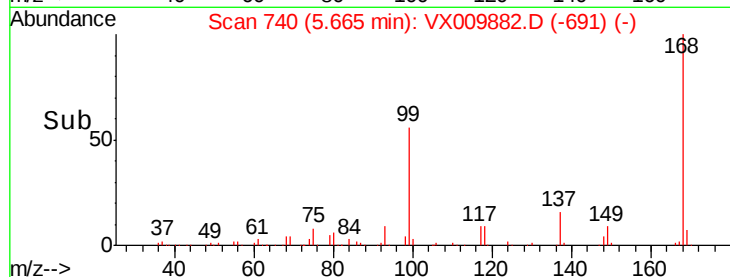
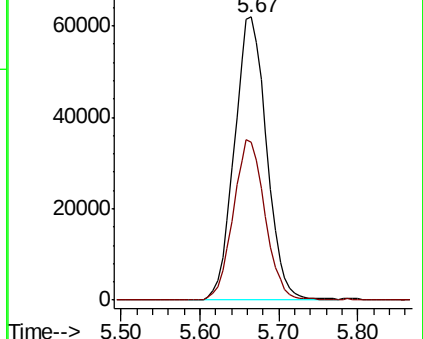
168 100

99 55.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.259 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX009882.D

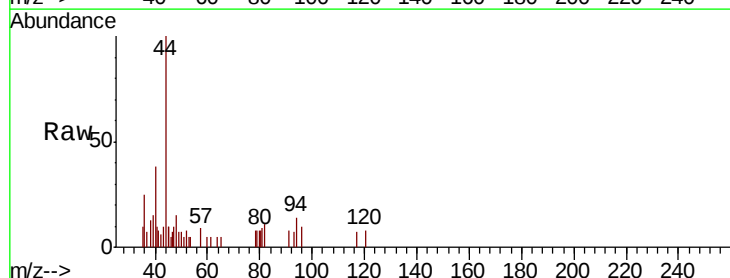
Acq: 24 May 2019 13:27

Tgt Ion: 94 Resp: 336

Ion Ratio Lower Upper

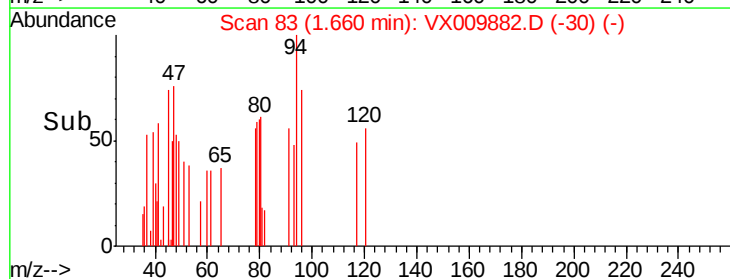
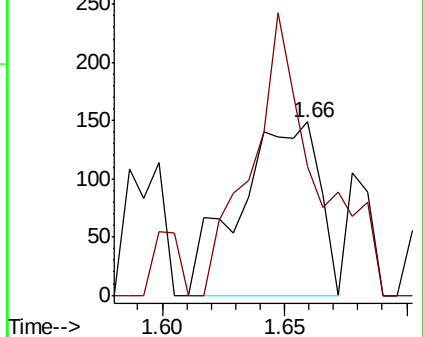
94 100

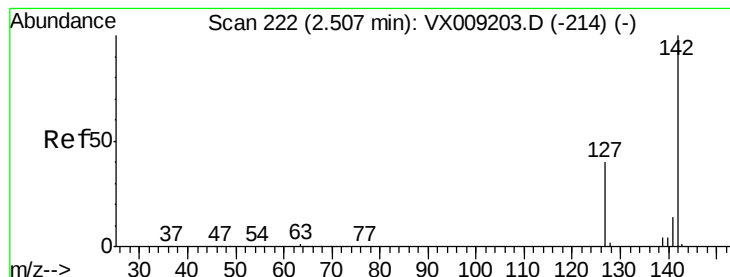
96 74.5 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methvl Iodide

Concen: 4.813 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX009882.D

Acq: 24 May 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

S73-TB-2019-1

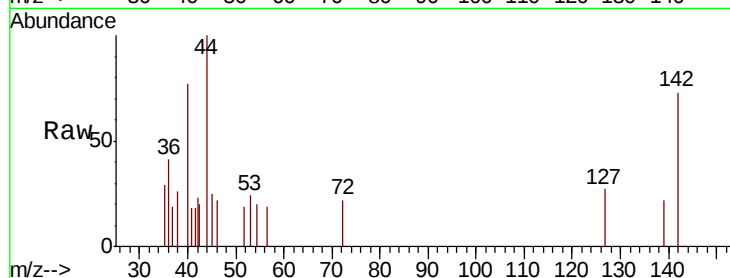
Tot Ion:142 Resp: 462

Ion Ratio Lower Upper

142 100

127 37.7 32.7 49.1

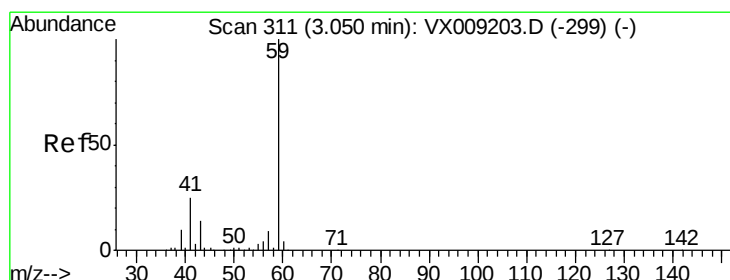
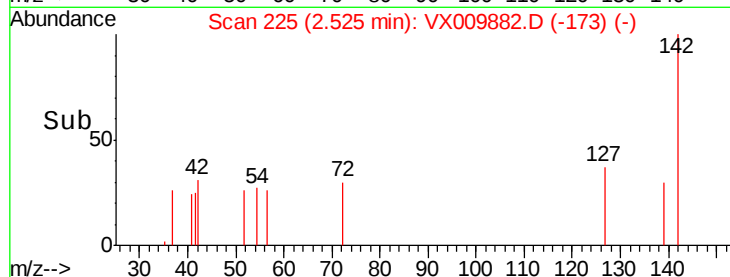
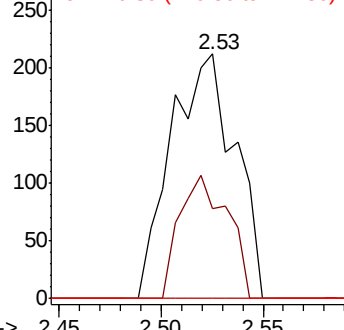
141 0.0 11.5 17.3#



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: 2.568 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX009882.D

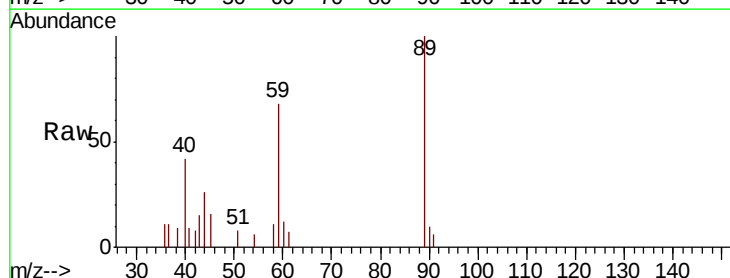
Acq: 24 May 2019 13:27

Tgt Ion: 59 Resp: 1427

Ion Ratio Lower Upper

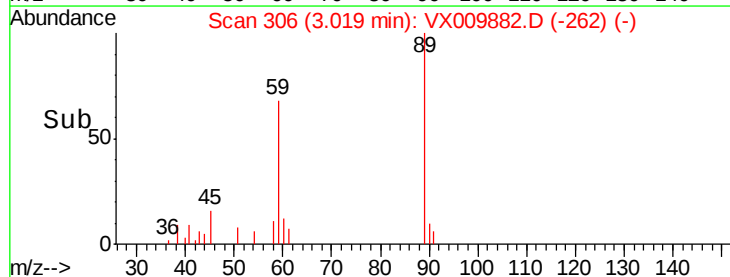
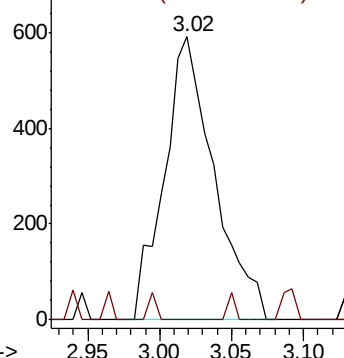
59 100

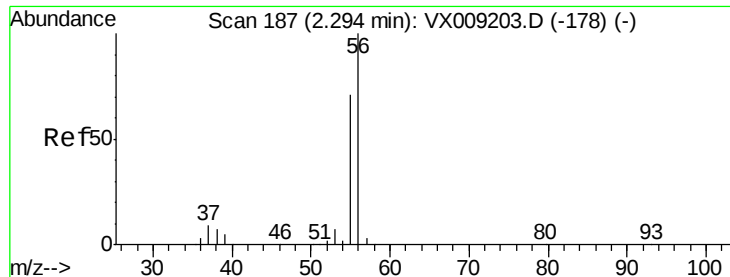
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.880 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009882.D

Acq: 24 May 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

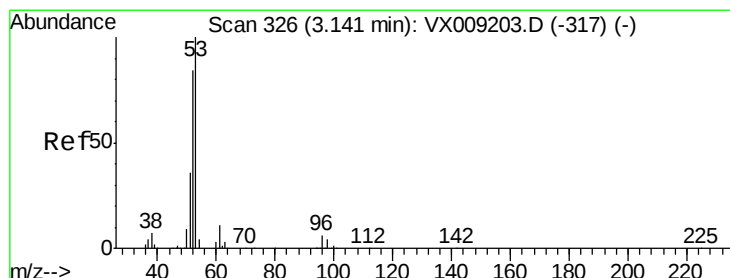
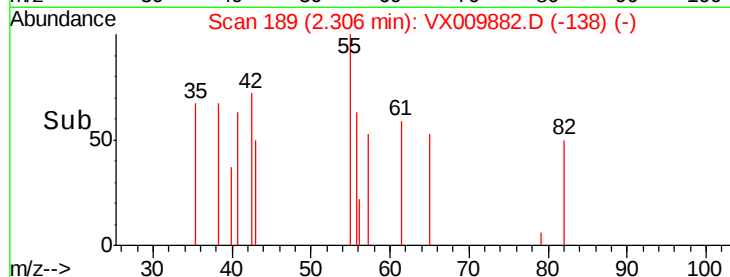
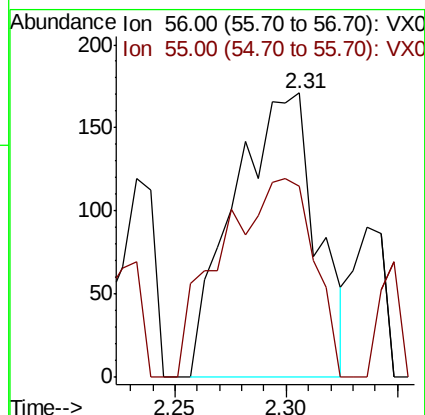
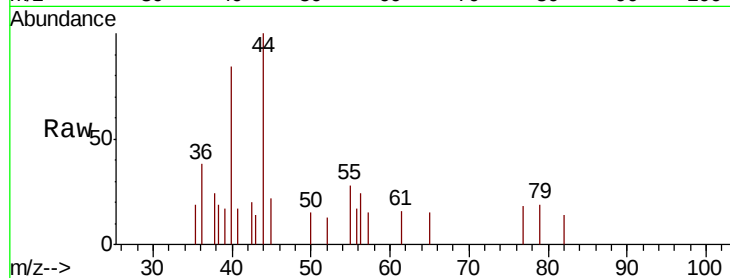
S73-TB-2019-1

Tot Ion: 56 Resp: 443

Ion Ratio Lower Upper

56 100

55 77.9 56.6 85.0



#15

Acrylonitrile

Concen: 0.336 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX009882.D

Acq: 24 May 2019 13:27

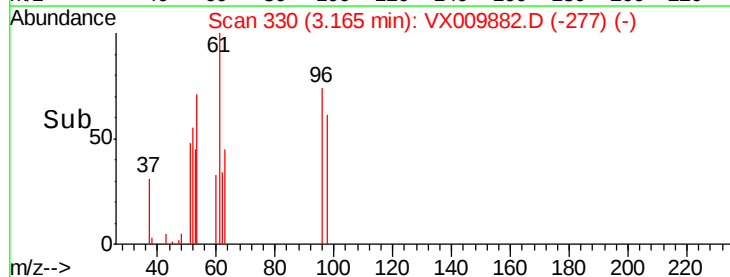
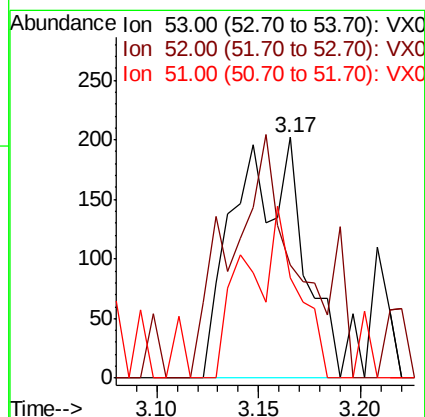
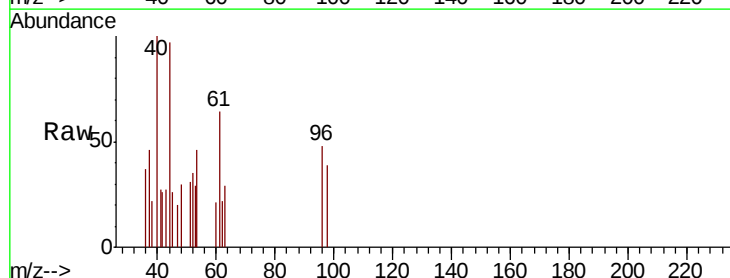
Tgt Ion: 53 Resp: 456

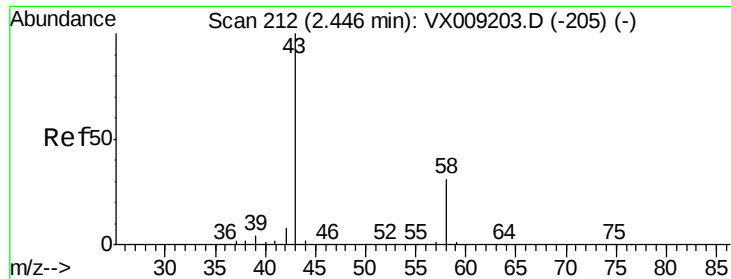
Ion Ratio Lower Upper

53 100

52 105.7 66.9 100.3#

51 54.8 28.2 42.2#





#16

Acetone

Concen: 1.075 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009882.D

Acq: 24 May 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

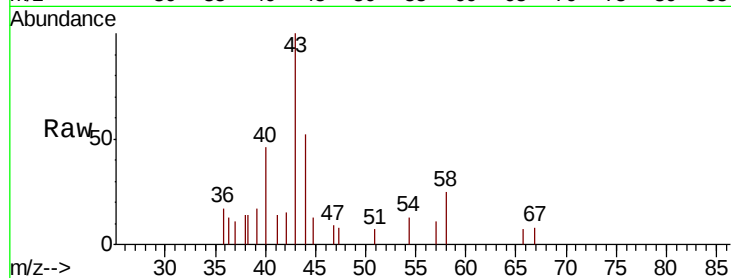
S73-TB-2019-1

Tot Ion: 43 Resp: 1386

Ion Ratio Lower Upper

43 100

58 24.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

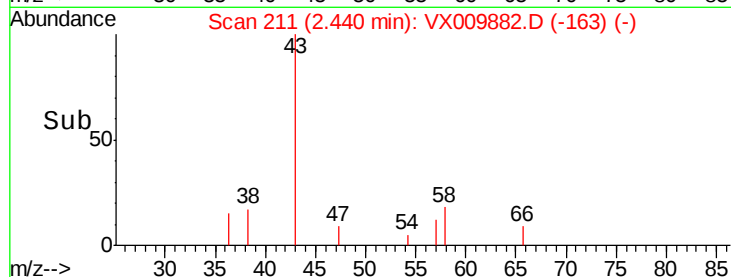
600

400

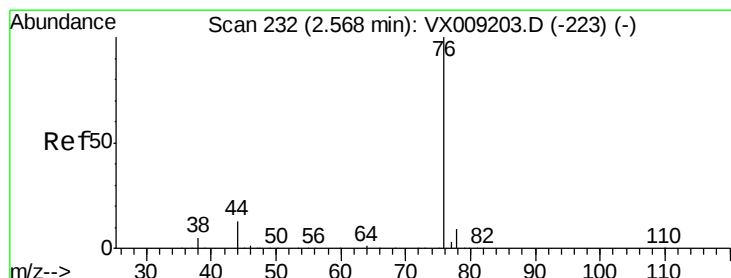
200

0

2.40 2.45 2.50



Time-->



#17

Carbon Disulfide

Concen: 0.290 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009882.D

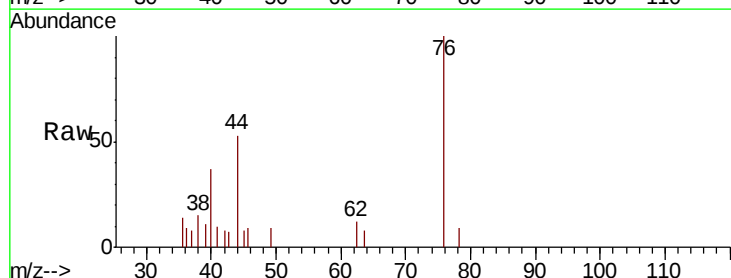
Acq: 24 May 2019 13:27

Tgt Ion: 76 Resp: 1342

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

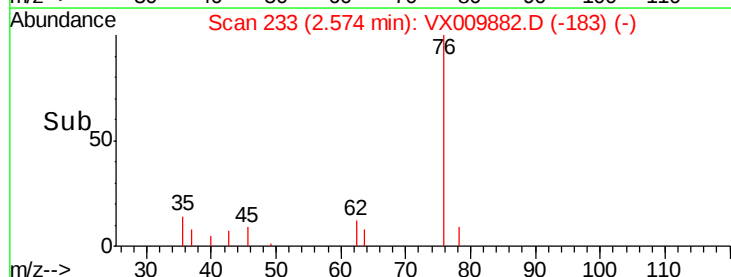
600

400

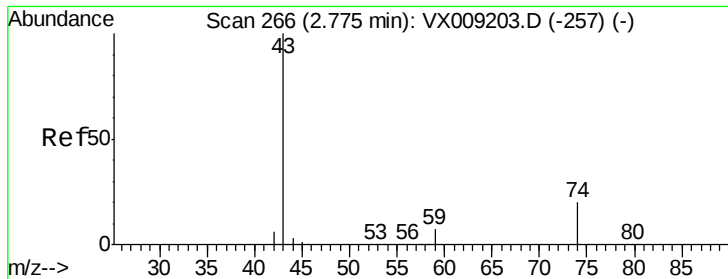
200

0

2.50 2.55 2.60



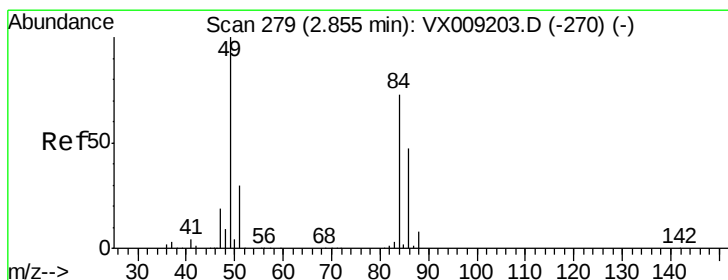
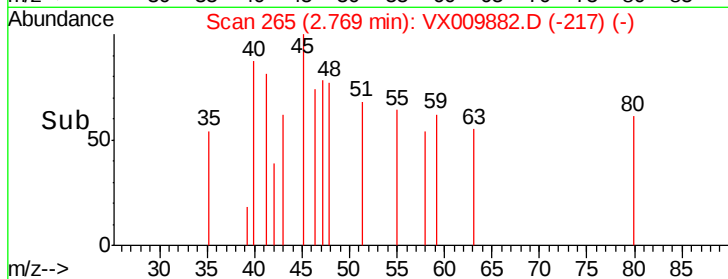
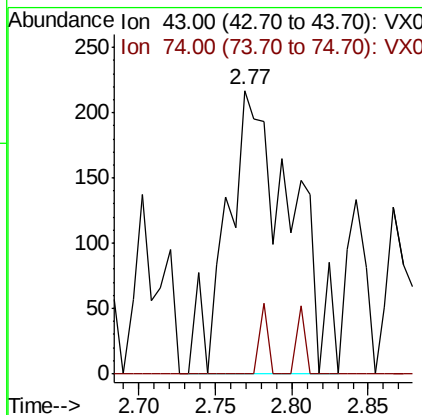
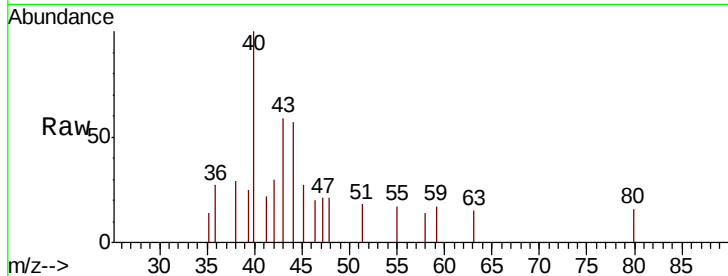
Time-->



#18
Methvl Acetate
Concen: 0.209 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009882.D
Acq: 24 May 2019 13:27

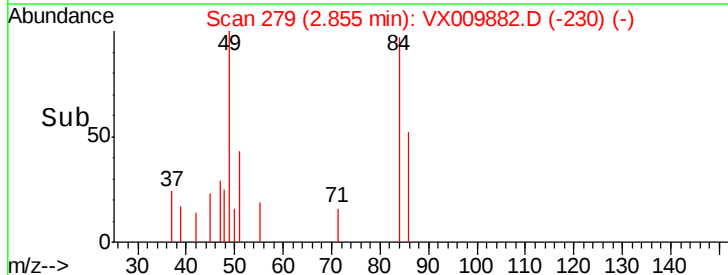
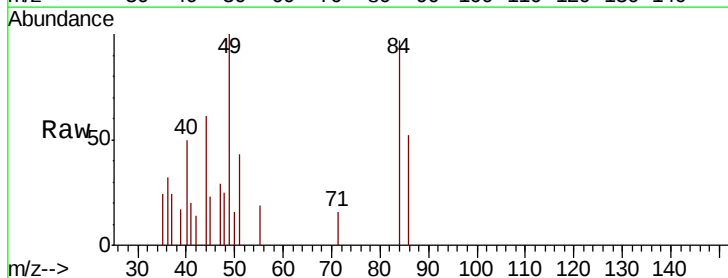
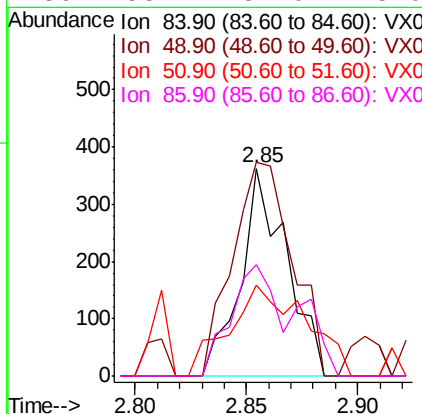
Instrument :
MSVOA_X
ClientSampleId :
S73-TB-2019-1

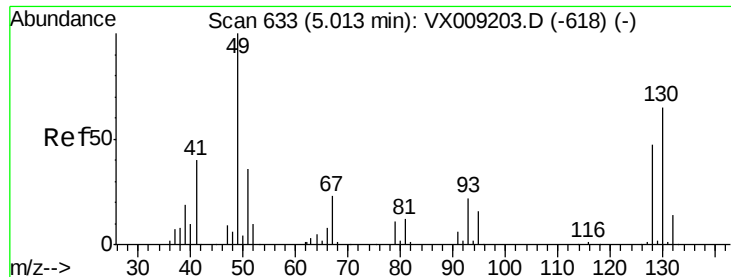
Tot Ion: 43 Resp: 642
Ion Ratio Lower Upper
43 100
74 3.1 16.2 24.4#



#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009882.D
Acq: 24 May 2019 13:27

Tgt Ion: 84 Resp: 519
Ion Ratio Lower Upper
84 100
49 102.8 109.9 164.9#
51 43.8 32.7 49.1
86 53.7 52.0 78.0





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009882.D

Acq: 24 May 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

S73-TB-2019-1

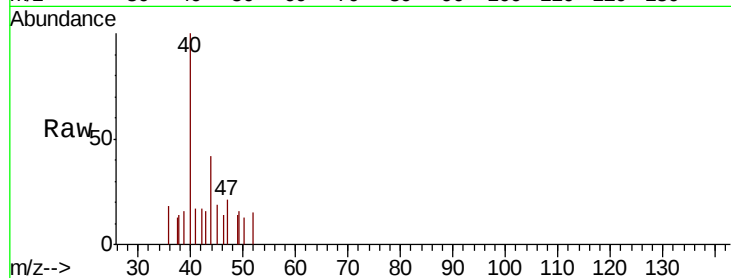
Tot Ion: 49 Resp: 132

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

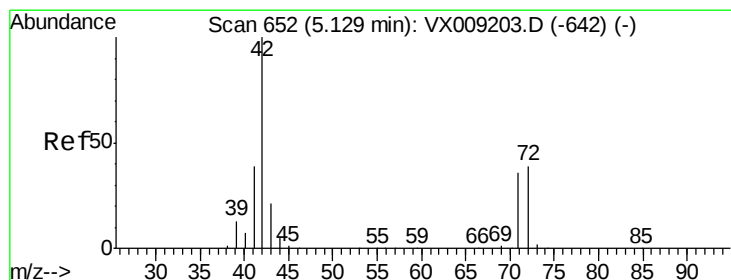
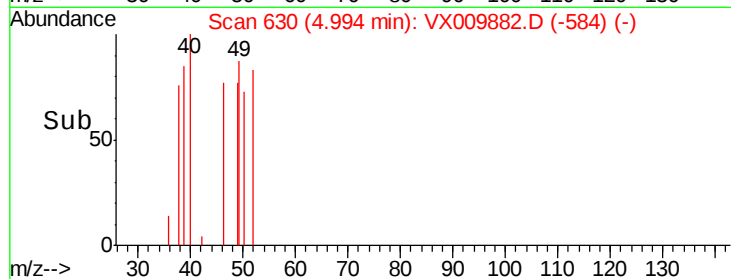
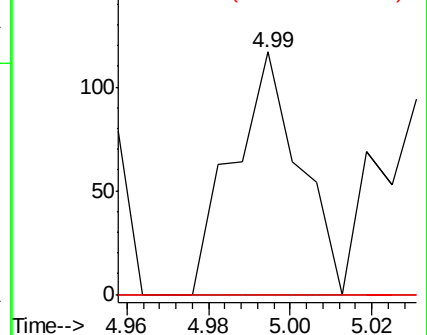
130 0.0 51.2 76.8#



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: 0.283 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009882.D

Acq: 24 May 2019 13:27

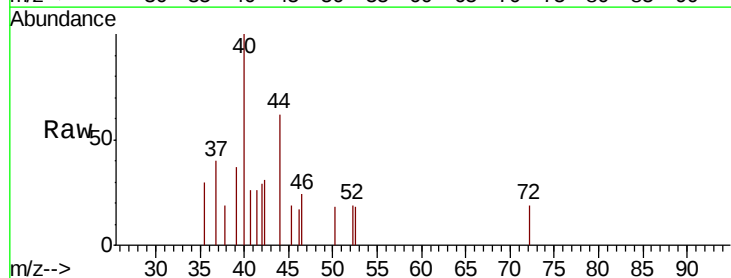
Tgt Ion: 42 Resp: 365

Ion Ratio Lower Upper

42 100

72 6.0 30.4 45.6#

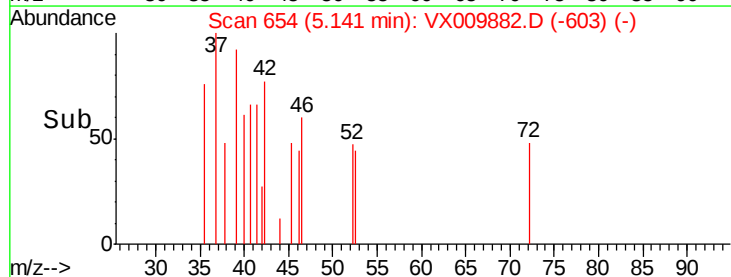
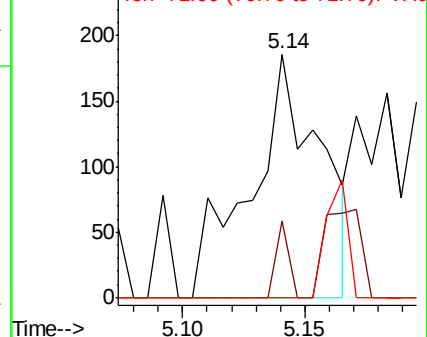
71 0.0 28.6 43.0#

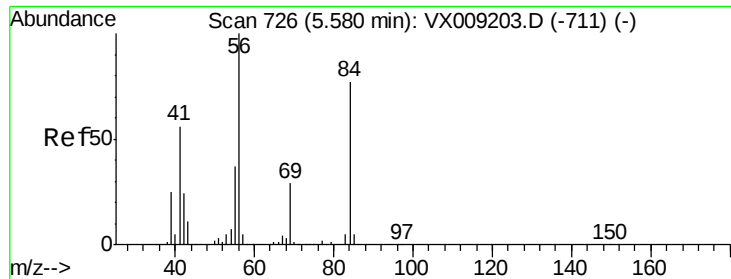


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

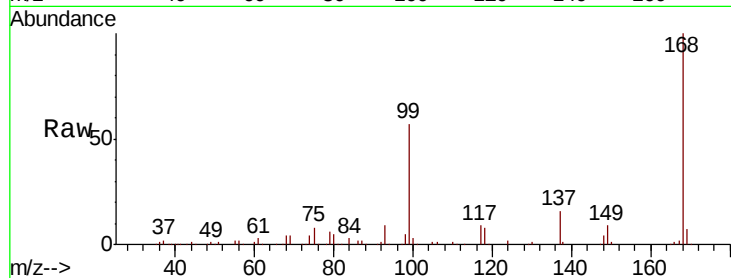




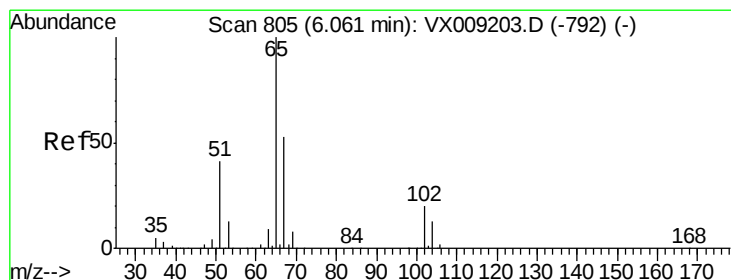
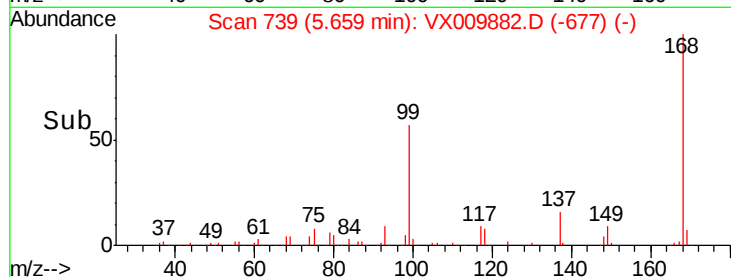
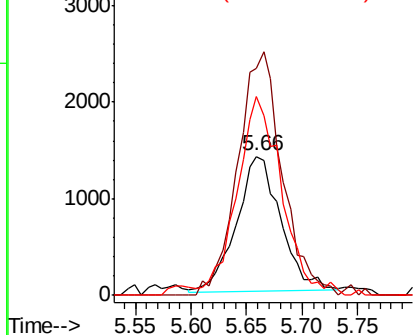
#31
Cyclohexane
Concen: 1.090 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009882.D
Acq: 24 May 2019 13:27

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

Tot Ion: 56 Resp: 3868
Ion Ratio Lower Upper
56 100
69 170.5 23.4 35.0#
84 144.6 61.9 92.9#

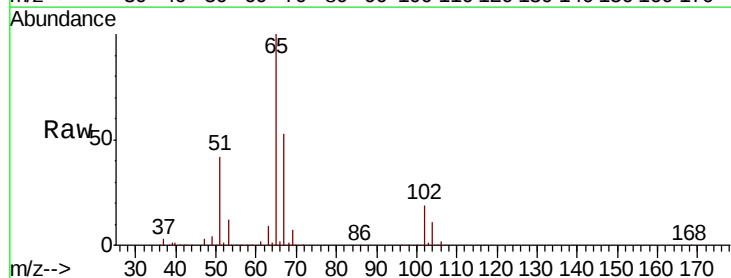


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

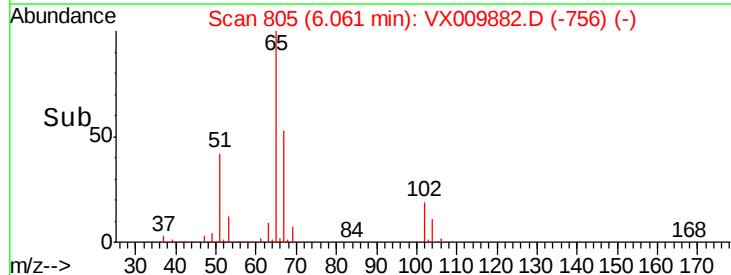
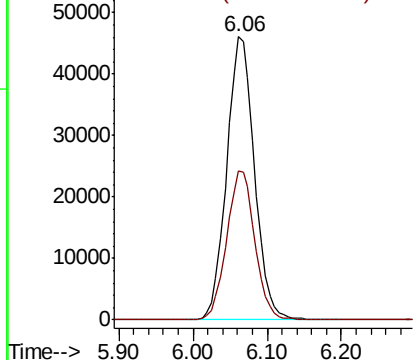


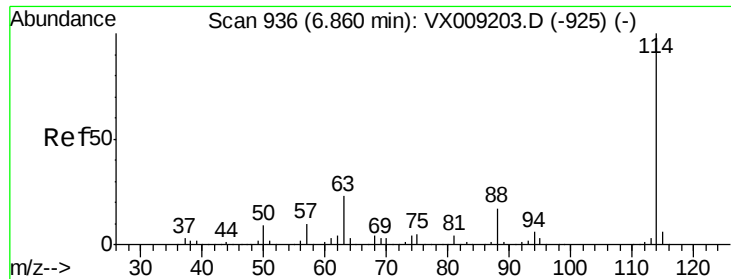
#33
1,2-Dichloroethane-d4
Concen: 50.083 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009882.D
Acq: 24 May 2019 13:27

Tgt Ion: 65 Resp: 120239
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

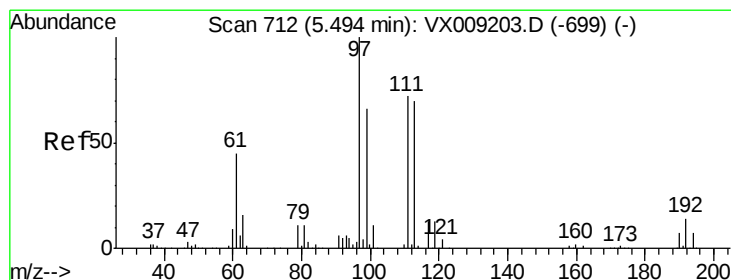
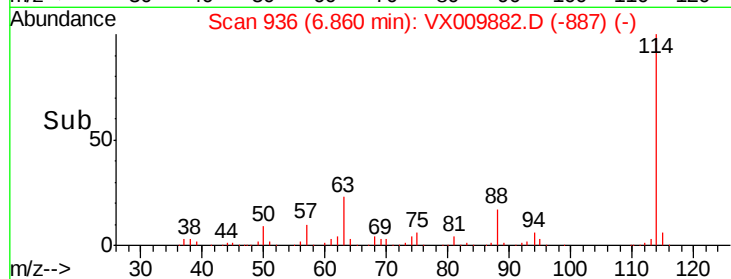
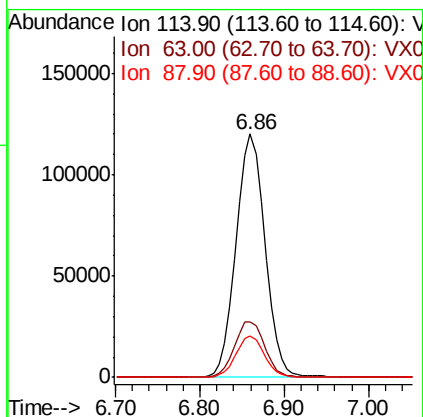
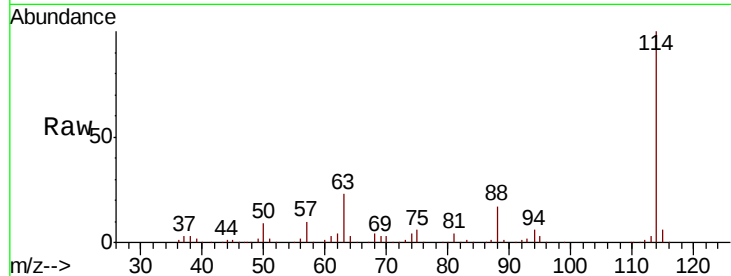




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX009882.D
Acq: 24 May 2019 13:27

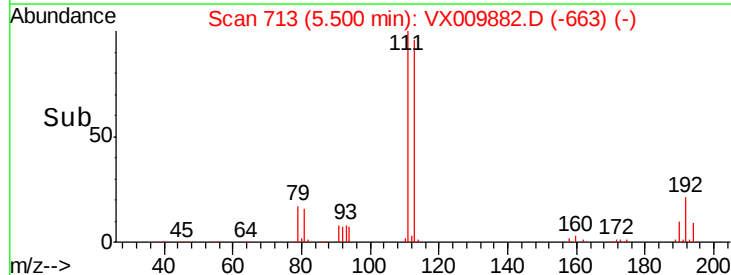
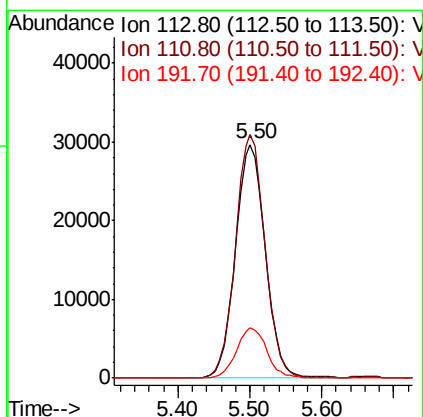
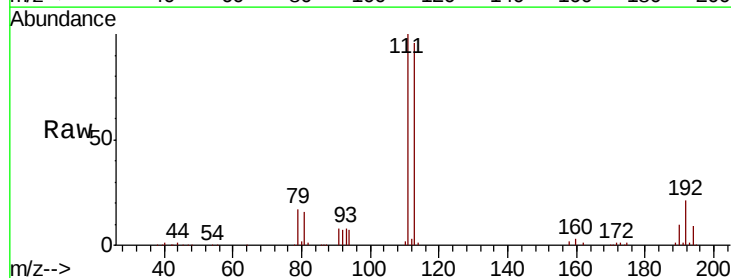
Instrument :
MSVOA_X
ClientSampleId :
S73-TB-2019-1

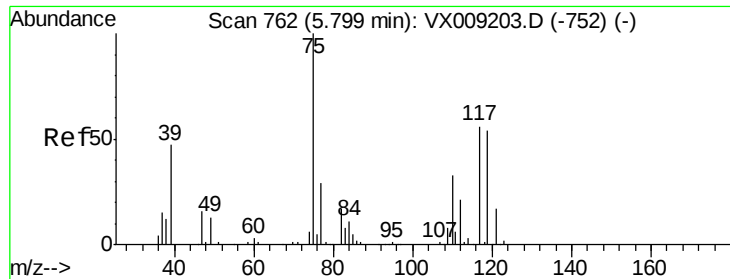
Tot Ion:114 Resp: 279693
Ion Ratio Lower Upper
114 100
63 22.6 0.0 45.6
88 17.0 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.599 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009882.D
Acq: 24 May 2019 13:27

Tgt Ion:113 Resp: 85449
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 21.7 17.0 25.6

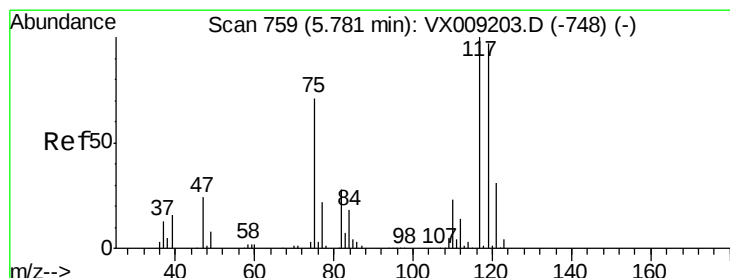
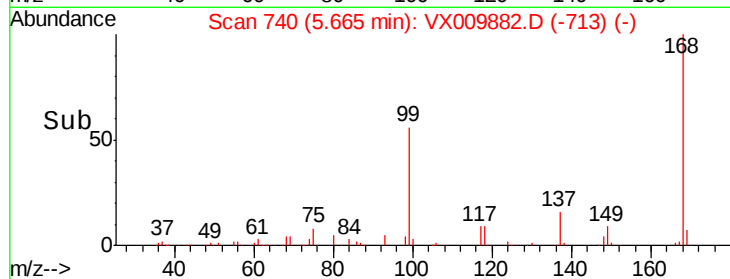
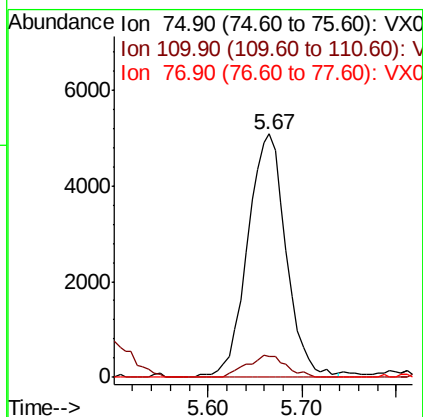
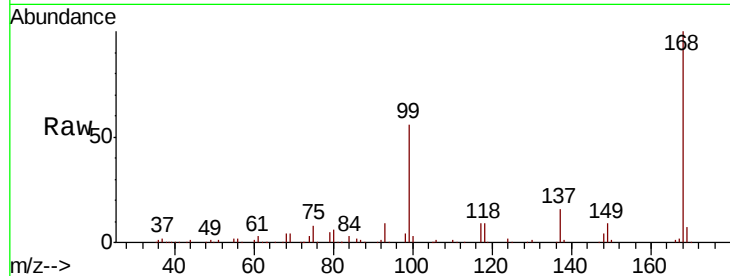




#36
 1,1-Dichloropropene
 Concen: 5.577 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009882.D
 Acq: 24 May 2019 13:27

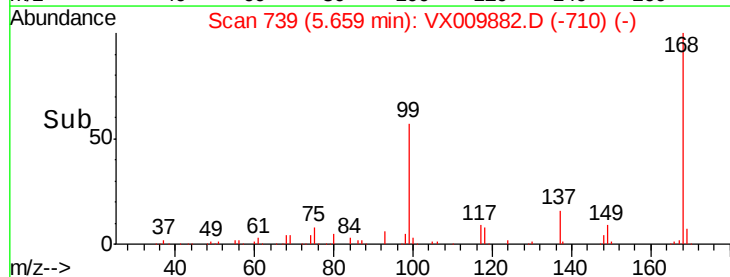
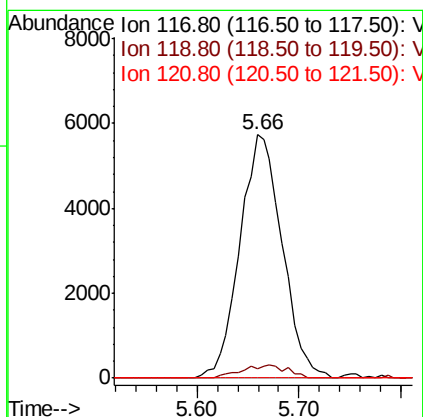
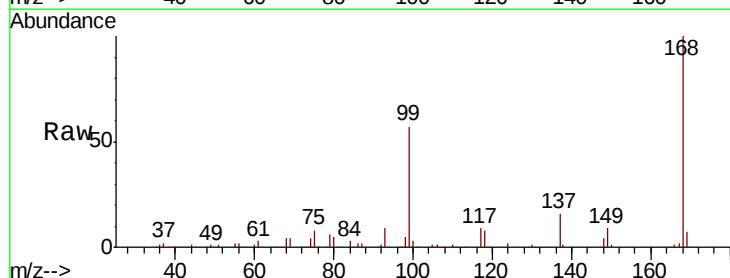
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-TB-2019-1

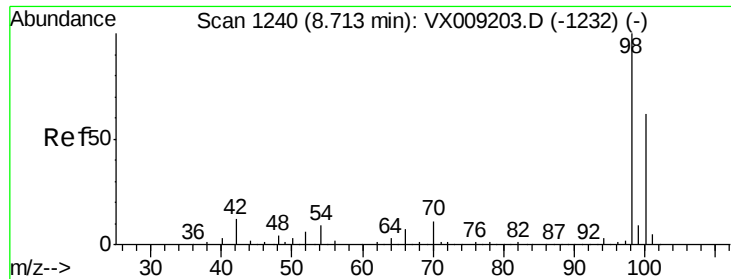
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.984 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009882.D
 Acq: 24 May 2019 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	77.5	116.3#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 50.609 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009882.D

Acq: 24 May 2019 13:27

Instrument :

MSVOA_X

ClientSampled :

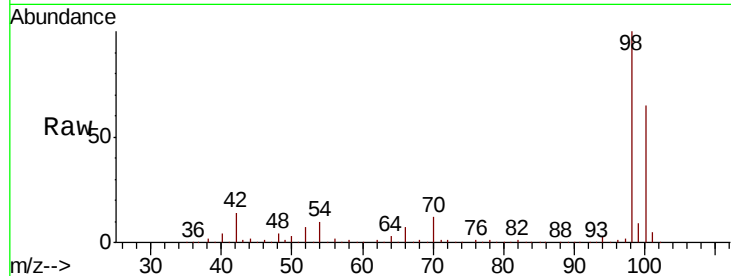
S73-TB-2019-1

Tot Ion: 98 Resp: 359253

Ion Ratio Lower Upper

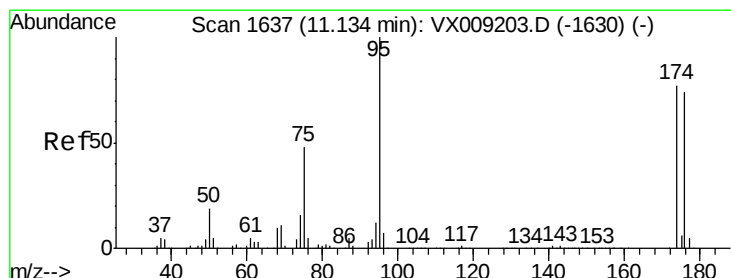
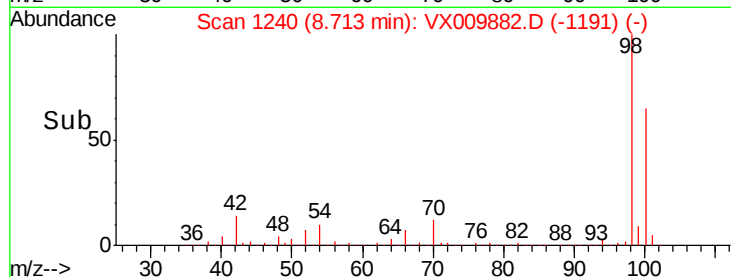
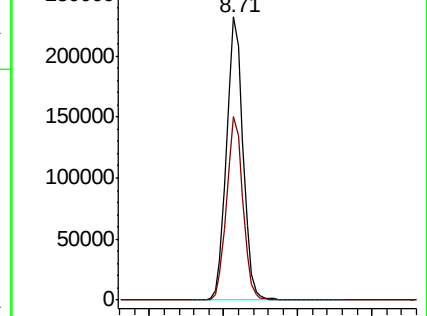
98 100

100 64.3 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: 47.542 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009882.D

Acq: 24 May 2019 13:27

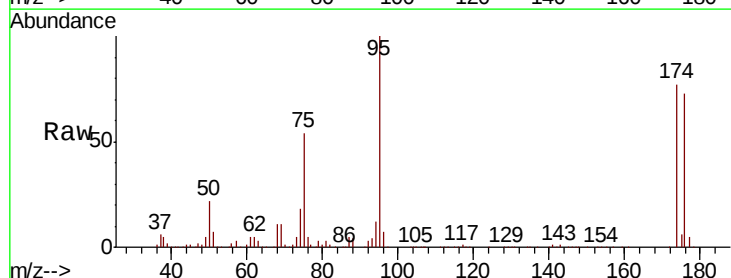
Tgt Ion: 95 Resp: 122628

Ion Ratio Lower Upper

95 100

174 81.3 0.0 161.6

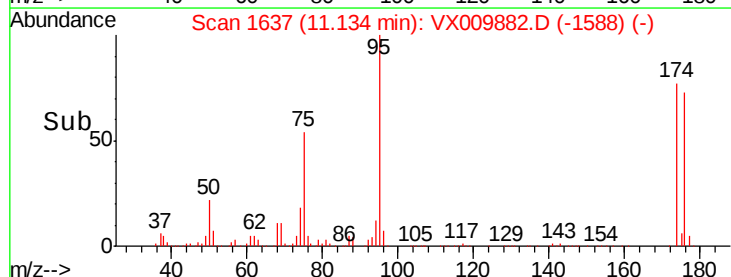
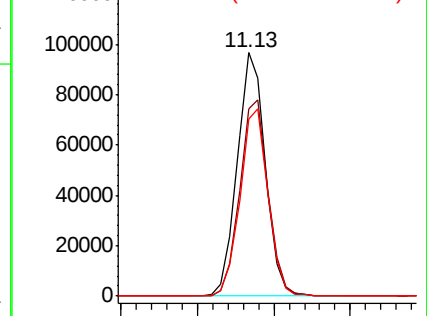
176 76.9 0.0 159.2

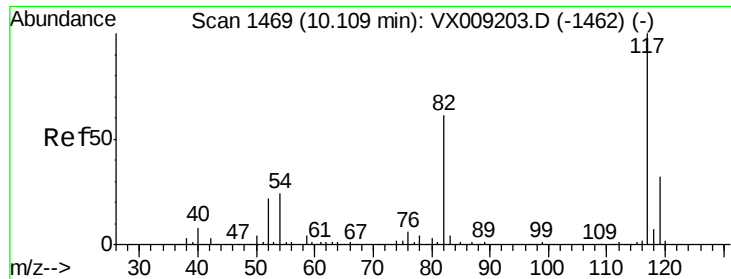


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

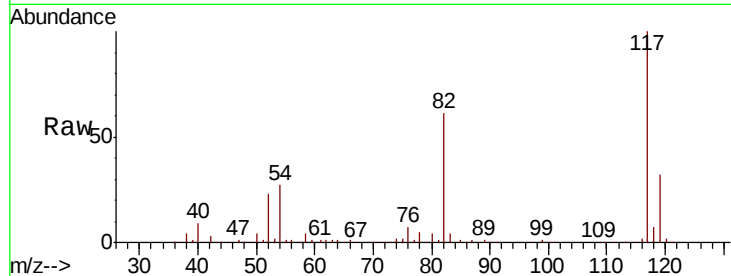




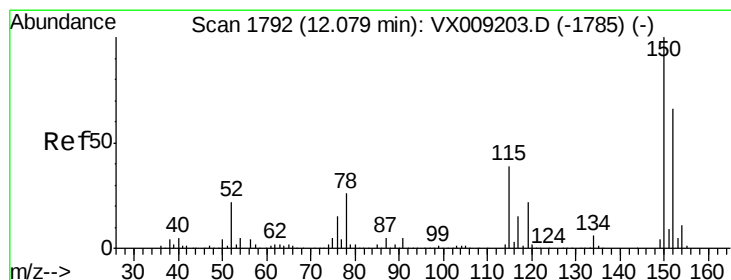
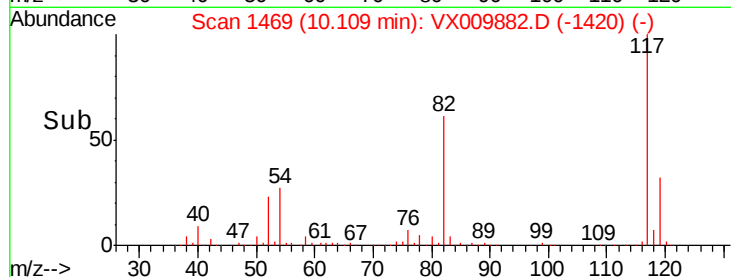
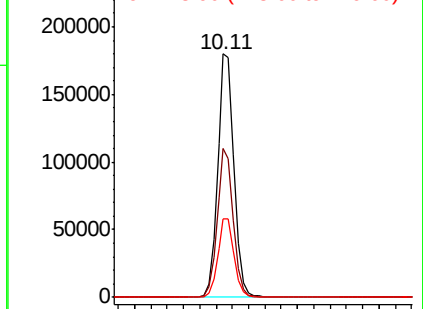
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009882.D
Acq: 24 May 2019 13:27

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

Tot Ion:117 Resp: 252811
Ion Ratio Lower Upper
117 100
82 61.2 48.8 73.2
119 32.3 25.8 38.6

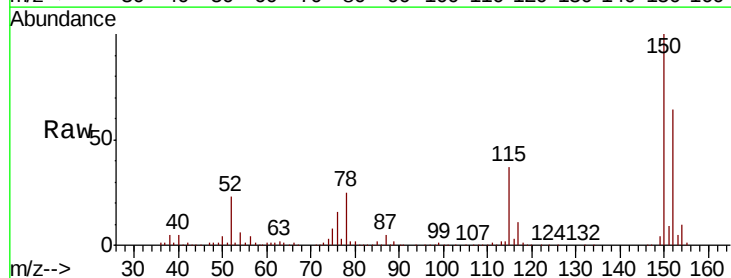


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

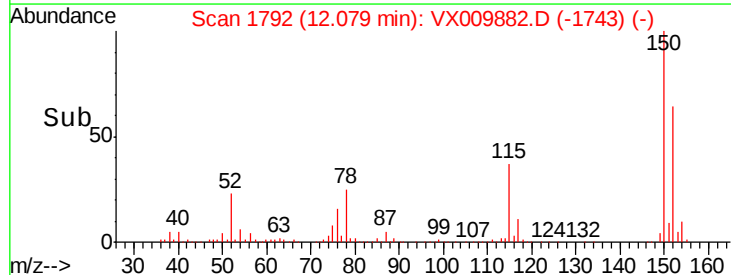
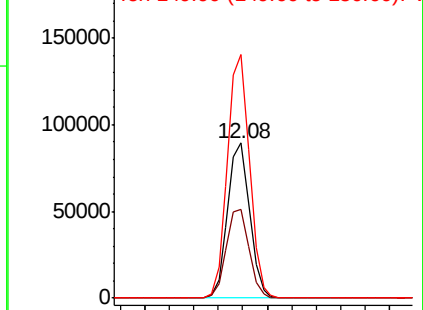


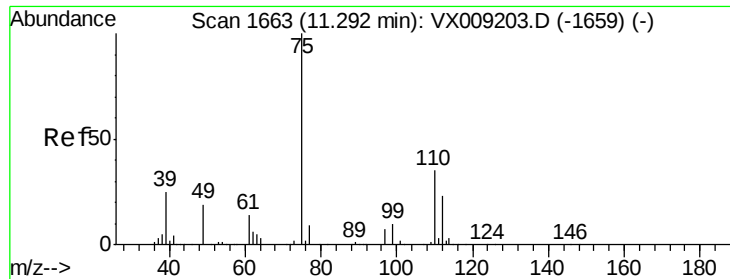
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009882.D
Acq: 24 May 2019 13:27

Tgt Ion:152 Resp: 111629
Ion Ratio Lower Upper
152 100
115 59.3 41.2 123.6
150 157.2 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: 24.954 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009882.D

Acq: 24 May 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

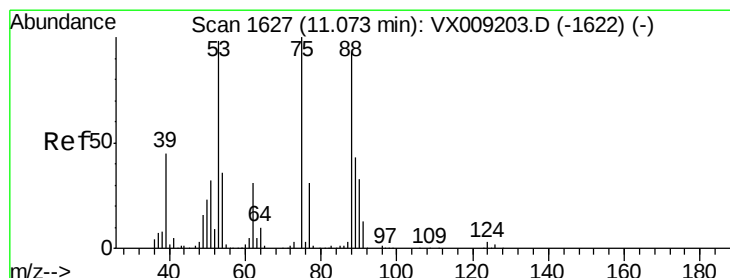
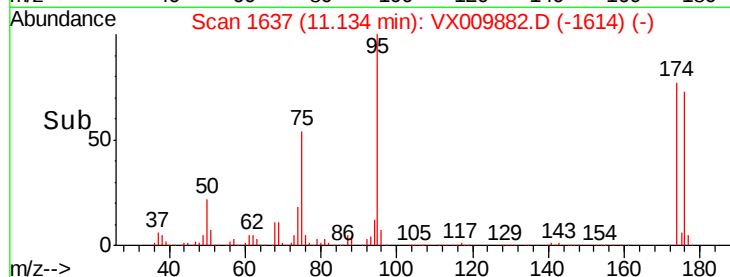
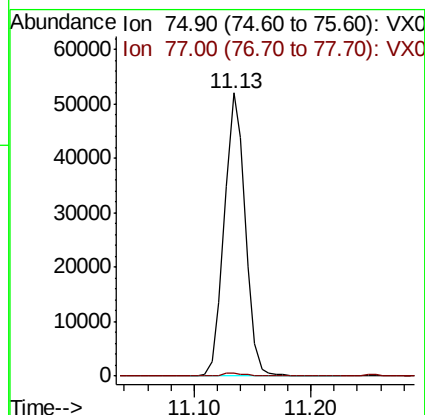
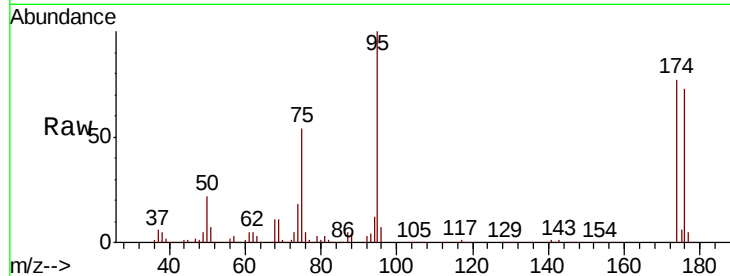
S73-TB-2019-1

Tot Ion: 75 Resp: 64615

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.848 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009882.D

Acq: 24 May 2019 13:27

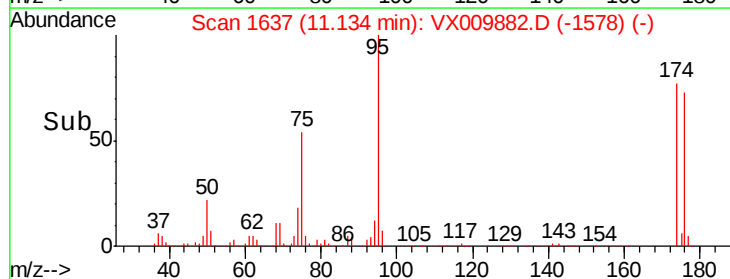
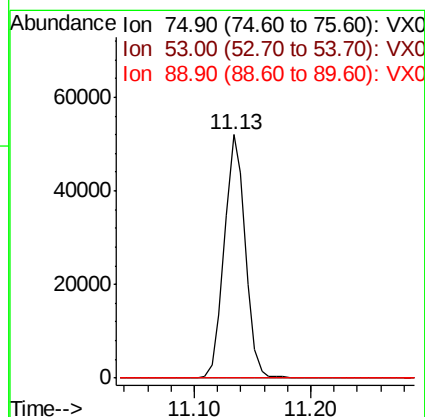
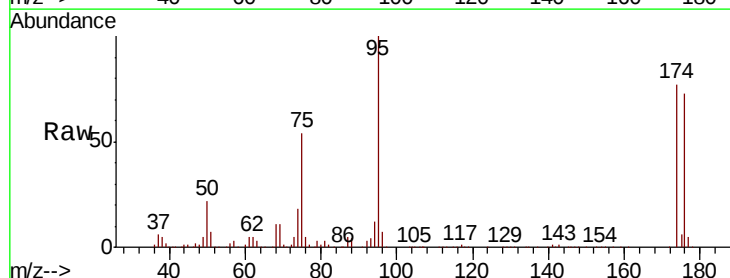
Tgt Ion: 75 Resp: 64615

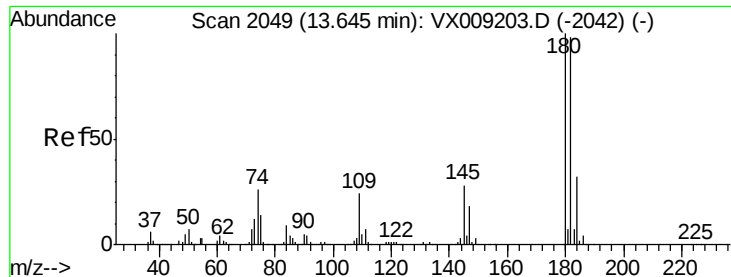
Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

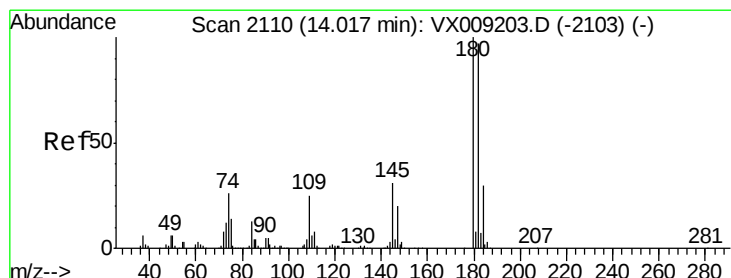
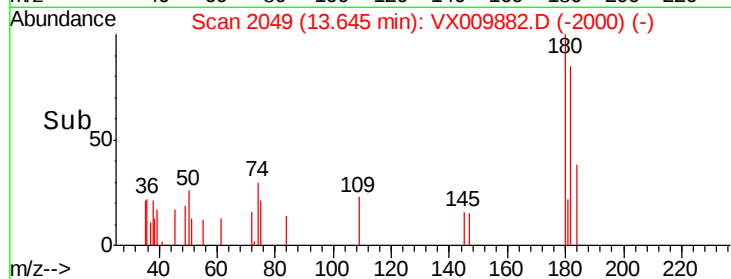
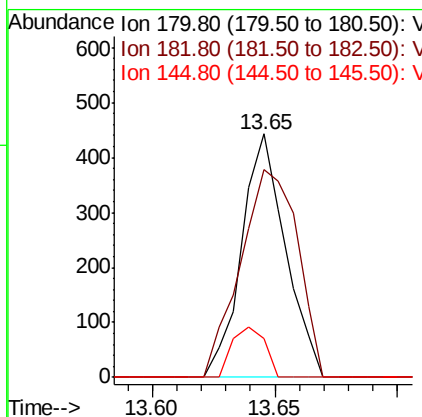
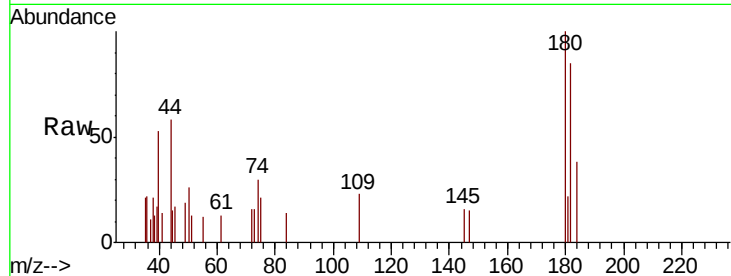




#93
 1,2,4-Trichlorobenzene
 Concen: 0.220 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009882.D
 Acq: 24 May 2019 13:27

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

Tot Ion:180 Resp: 550
 Ion Ratio Lower Upper
 180 100
 182 111.5 48.4 145.2
 145 15.5 14.6 43.8



#96
 1,2,3-Trichlorobenzene
 Concen: 0.202 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.01 min
 Lab File: VX009882.D
 Acq: 24 May 2019 13:27

Tgt Ion:180 Resp: 513
 Ion Ratio Lower Upper
 180 100
 182 99.0 47.8 143.4
 145 39.4 15.4 46.4

