

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052019\
 Data File : VX009734.D
 Acq On : 20 May 2019 18:23
 Operator : JC/SP
 Sample : K2910-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0102

Quant Time: May 21 07:42:39 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	167975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	269667	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95040	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	113108	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
35) Dibromofluoromethane	5.50	113	83046	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	8.71	98	339294	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.13	95	108875	43.78	ug/l	0.00
Spiked Amount			Recovery	=	87.56%	

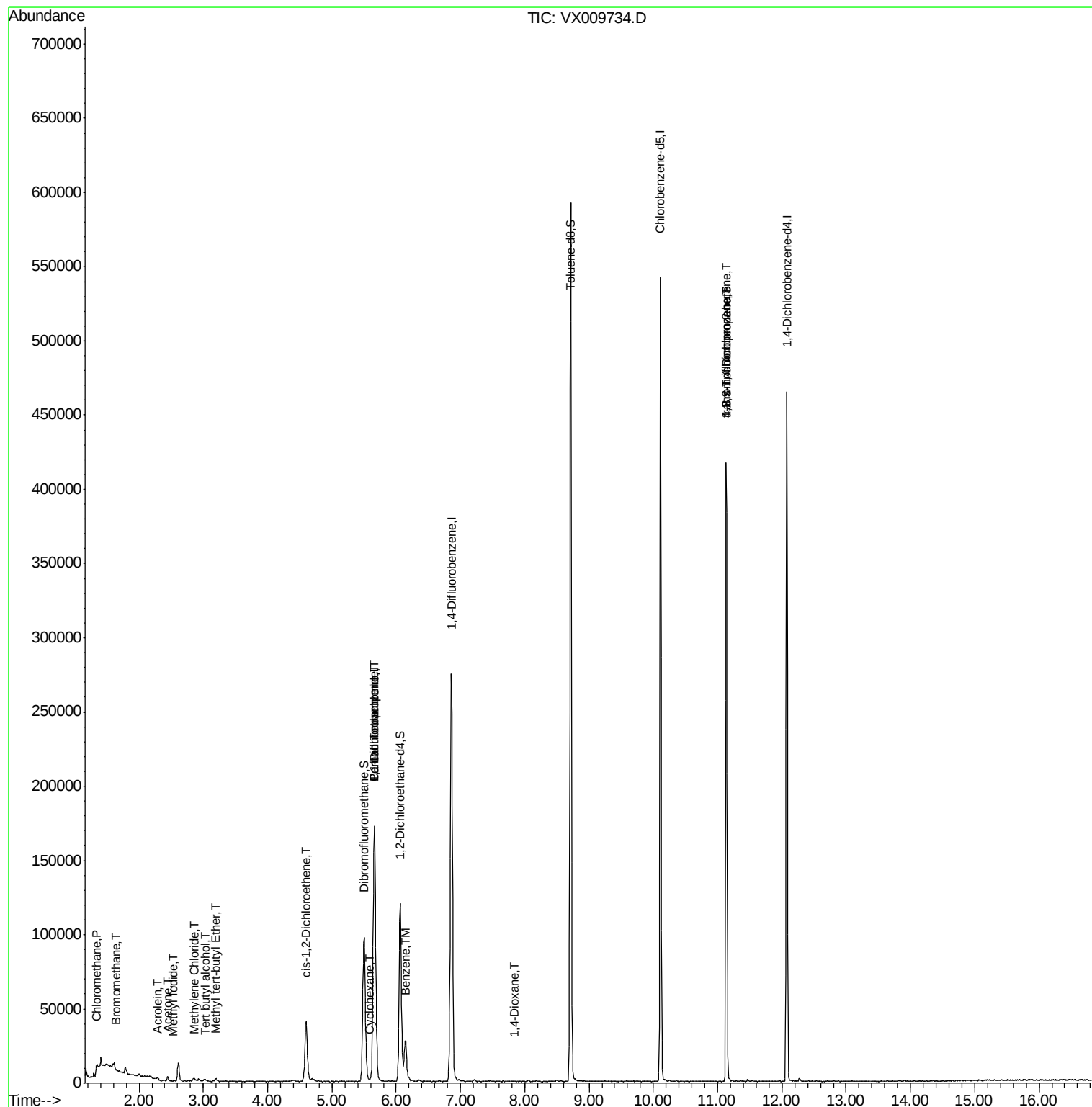
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	946	0.448	ug/l	95
5) Bromomethane	1.65	94	324	0.262	ug/l #	26
10) Methyl Iodide	2.52	142	45	4.616	ug/l #	29
11) Tert butyl alcohol	3.03	59	1256	2.366	ug/l	98
13) Acrolein	2.28	56	125	0.260	ug/l #	1
16) Acetone	2.44	43	3004	2.440	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	1538	0.251	ug/l #	68
20) Methylene Chloride	2.86	84	609	0.305	ug/l #	82
27) cis-1,2-Dichloroethene	4.59	96	25369	12.434	ug/l	87
28) Bromochloromethane	5.01	49	20	Below Cal	#	20
31) Cyclohexane	5.59	56	725	0.214	ug/l #	62
36) 1,1-Dichloropropene	5.66	75	13127	5.238	ug/l #	51
38) Carbon Tetrachloride	5.66	117	15921	6.992	ug/l #	17
40) Benzene	6.14	78	31710	4.089	ug/l	98
49) 1,4-Dioxane	7.85	88	44	0.783	ug/l #	20
76) 1,2,3-Trichloropropane	11.13	75	55905	25.359	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	55905	64.883	ug/l #	10

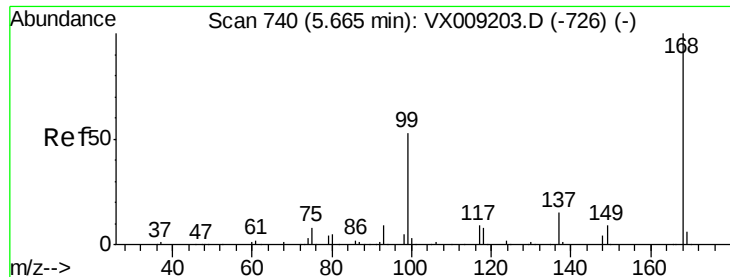
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052019\
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Acq On : 20 May 2019 18:23
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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: VX009734.D

Acq: 20 May 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

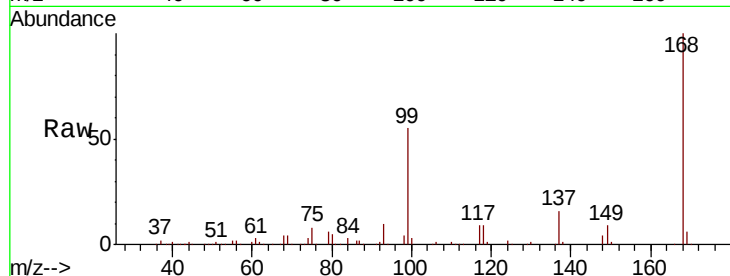
S81-0102

Tot Ion:168 Resp: 167975

Ion Ratio Lower Upper

168 100

99 54.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

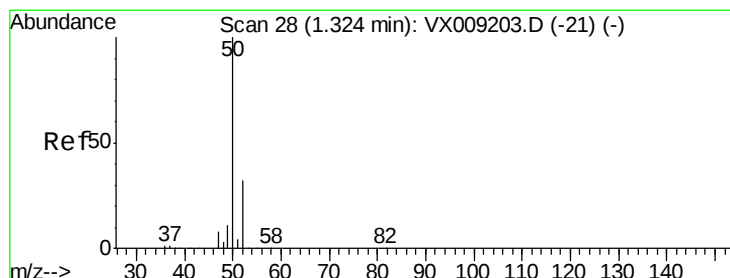
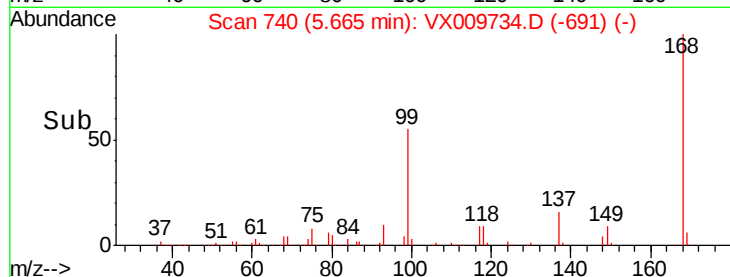
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.448 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009734.D

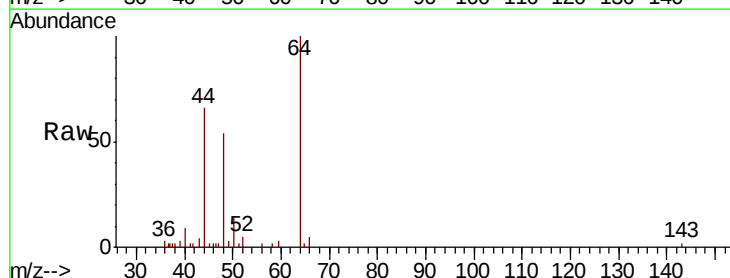
Acq: 20 May 2019 18:23

Tgt Ion: 50 Resp: 946

Ion Ratio Lower Upper

50 100

52 35.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

300

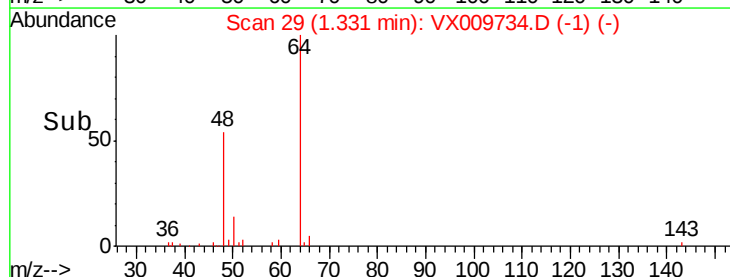
200

100

0

Time-->

1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.262 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009734.D

Acq: 20 May 2019 18:23

Instrument :

MSVOA_X

ClientSampled :

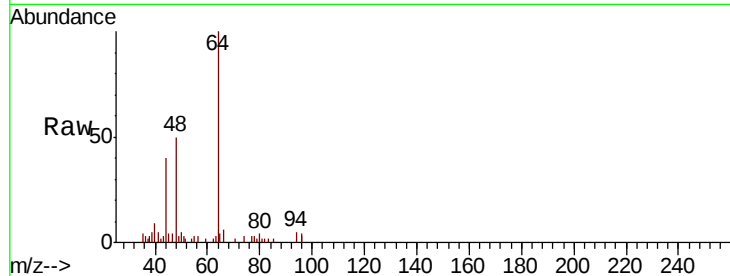
S81-0102

Tot Ion: 94 Resp: 324

Ion Ratio Lower Upper

94 100

96 161.3 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

150

100

50

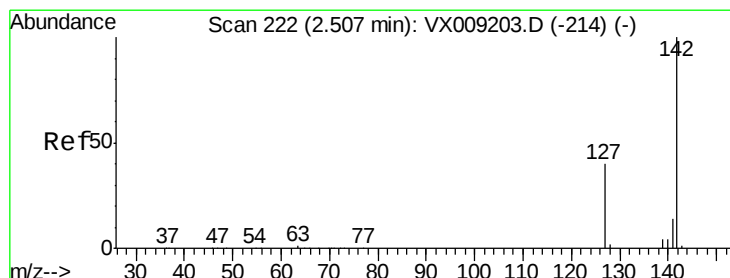
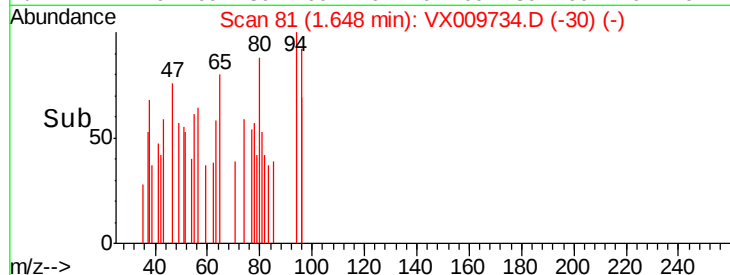
0

1.65

1.60

1.70

Time-->



#10

Methyl Iodide

Concen: 4.616 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009734.D

Acq: 20 May 2019 18:23

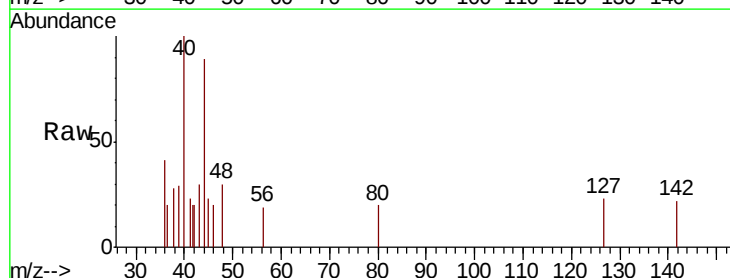
Tgt Ion: 142 Resp: 45

Ion Ratio Lower Upper

142 100

127 93.3 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

80

60

40

20

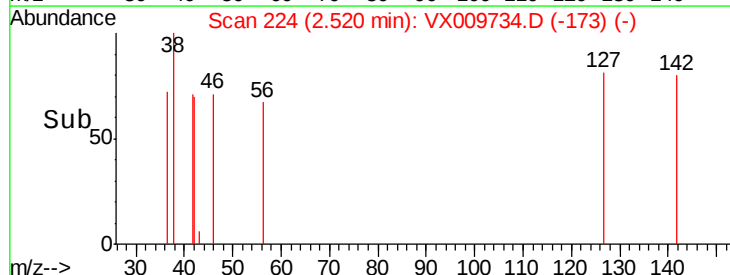
0

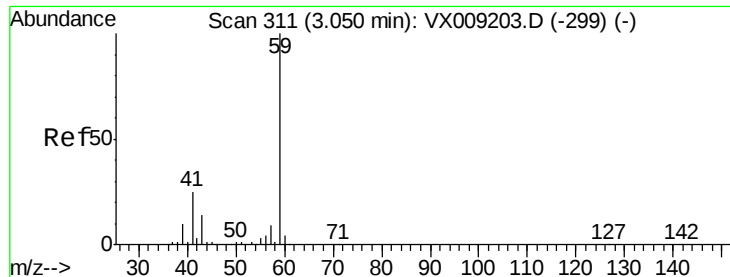
2.52

2.48

2.54

Time-->

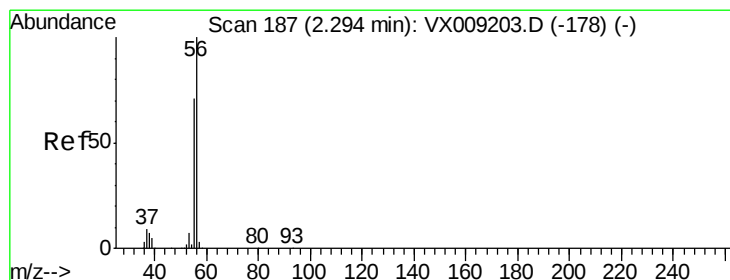
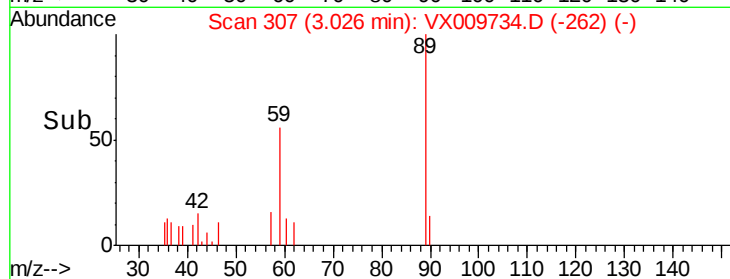
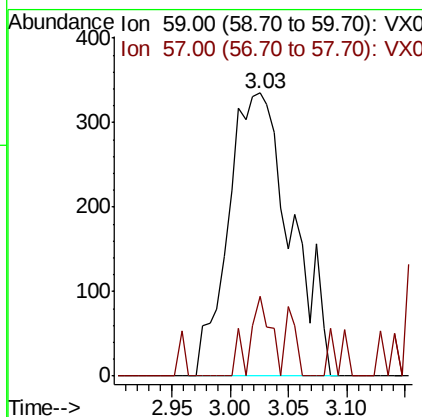
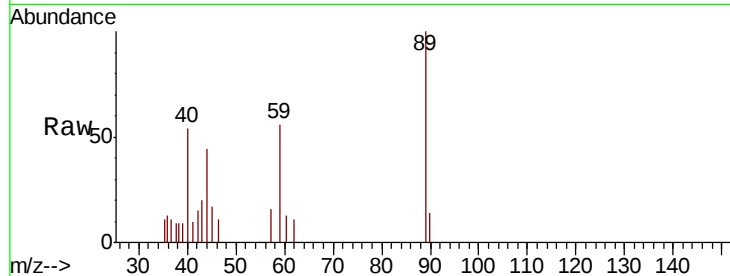




#11
Tert butyl alcohol
Concen: 2.366 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009734.D
Acq: 20 May 2019 18:23

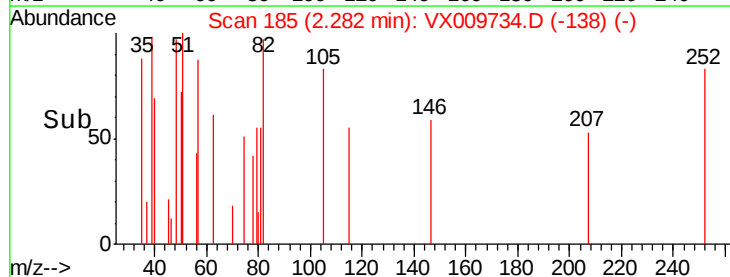
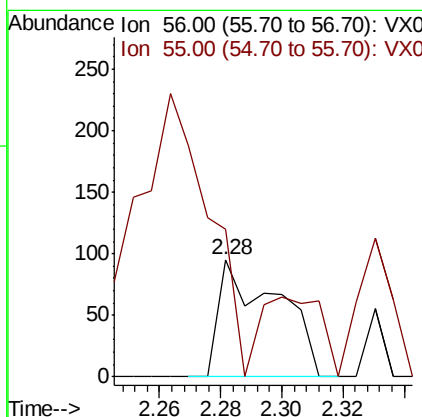
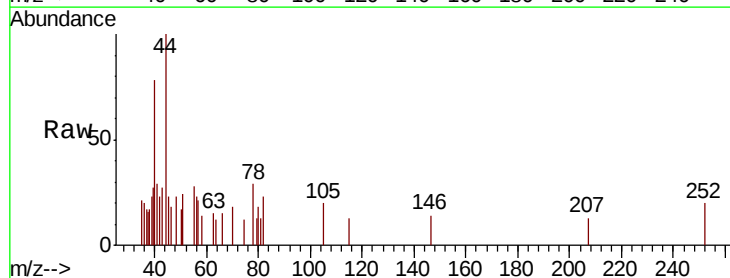
Instrument :
MSVOA_X
ClientSampled :
S81-0102

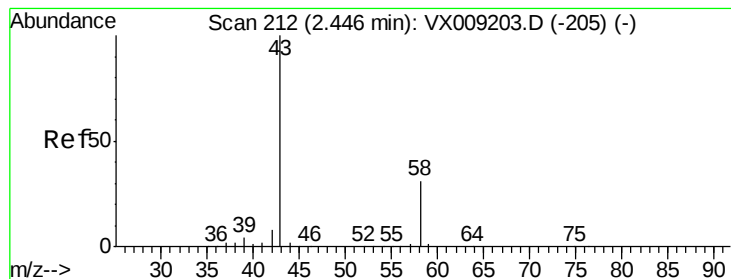
Tot Ion: 59 Resp: 1256
Ion Ratio Lower Upper
59 100
57 9.5 8.2 12.2



#13
Acrolein
Concen: 0.260 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX009734.D
Acq: 20 May 2019 18:23

Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 304.8 56.6 85.0#





#16

Acetone

Concen: 2.440 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009734.D

Acq: 20 May 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

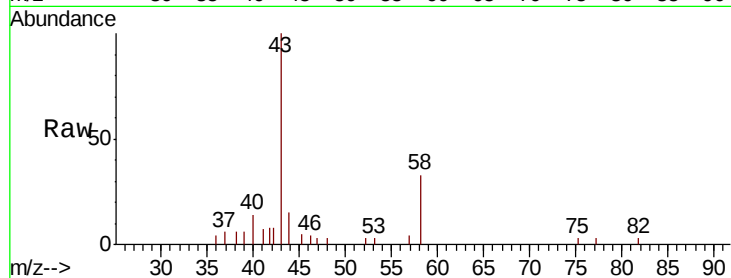
S81-0102

Tot Ion: 43 Resp: 3004

Ion Ratio Lower Upper

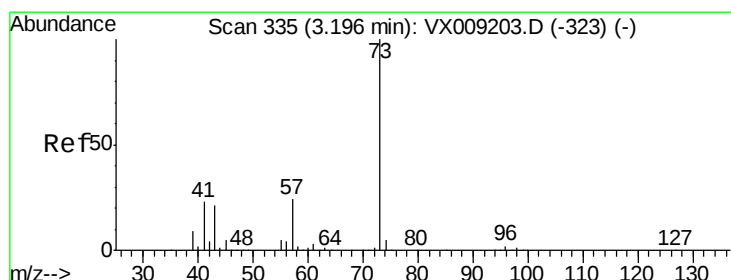
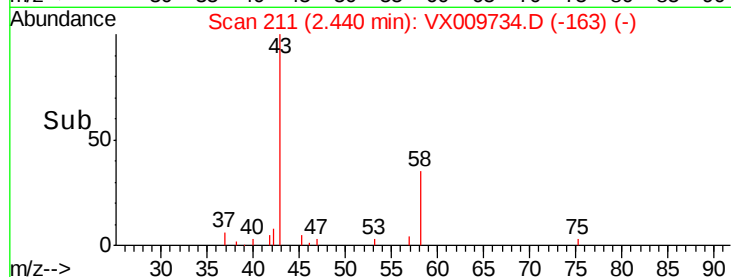
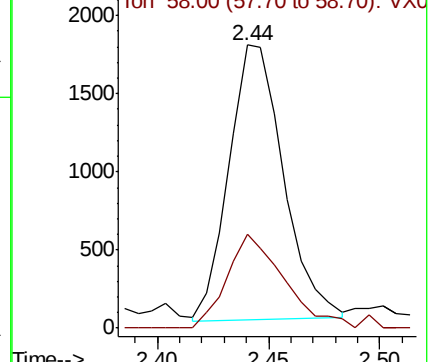
43 100

58 34.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 0.251 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX009734.D

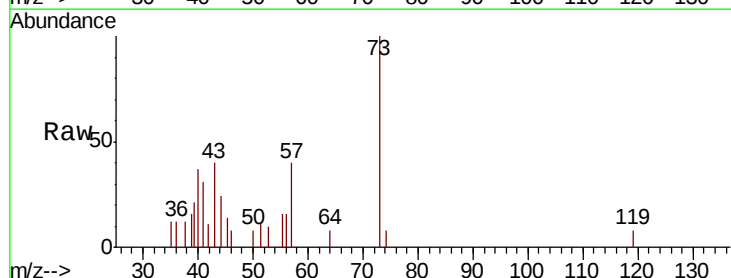
Acq: 20 May 2019 18:23

Tgt Ion: 73 Resp: 1538

Ion Ratio Lower Upper

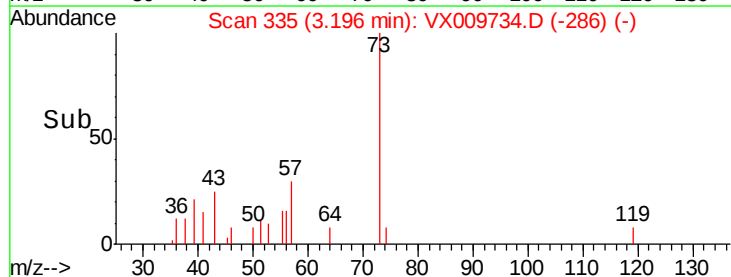
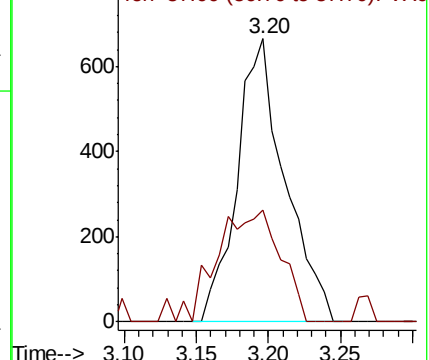
73 100

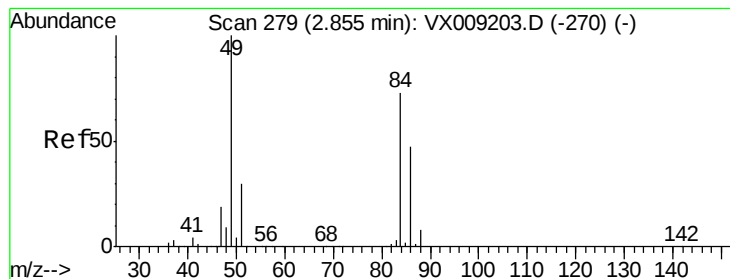
57 39.7 19.3 28.9#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#20

Methylene Chloride

Concen: 0.305 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX009734.D

Acq: 20 May 2019 18:23

Instrument :

MSVOA_X

ClientSampled :

S81-0102

Tot Ion: 84 Resp: 609

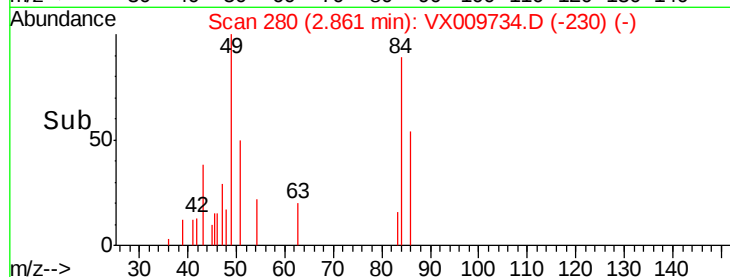
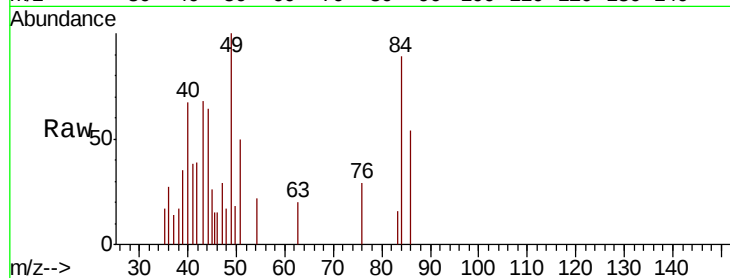
Ion Ratio Lower Upper

84 100

49 111.9 109.9 164.9

51 56.0 32.7 49.1#

86 60.1 52.0 78.0

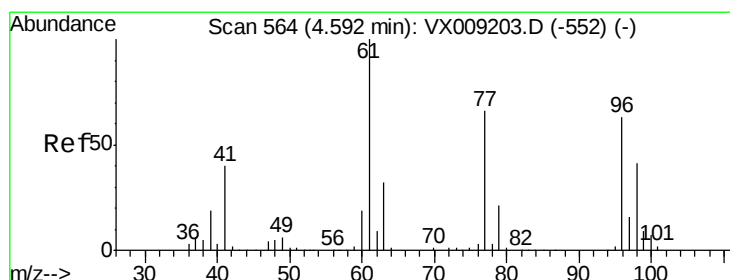
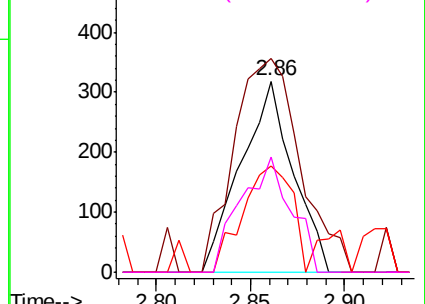


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 12.434 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VX009734.D

Acq: 20 May 2019 18:23

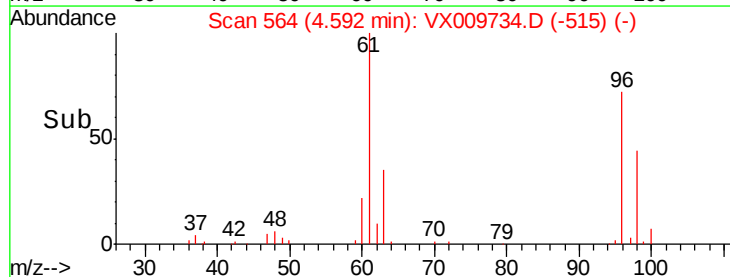
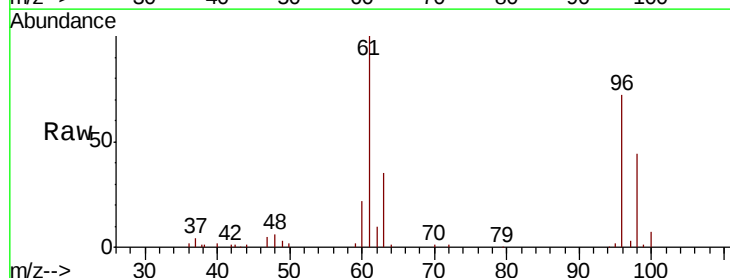
Tgt Ion: 96 Resp: 25369

Ion Ratio Lower Upper

96 100

61 139.1 0.0 324.0

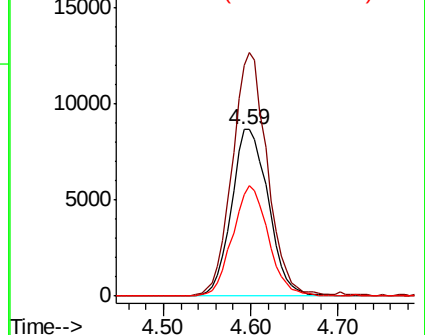
98 63.9 0.0 130.4

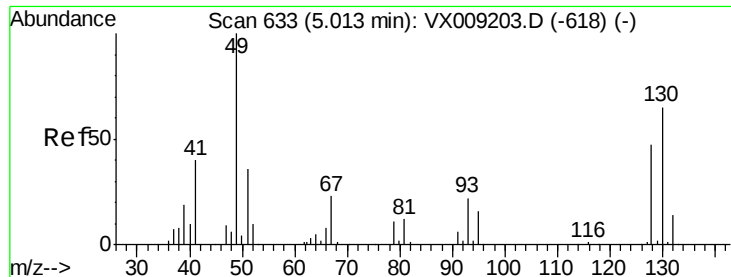


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009734.D

Acq: 20 May 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

S81-0102

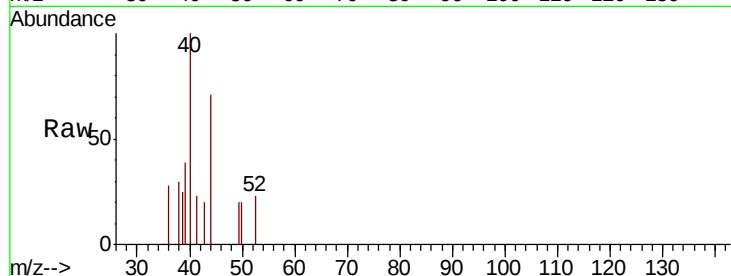
Tot Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

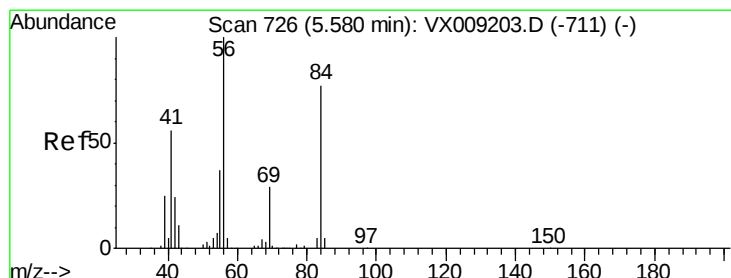
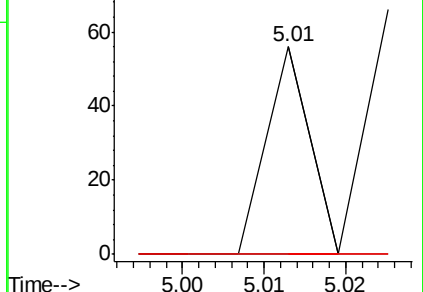
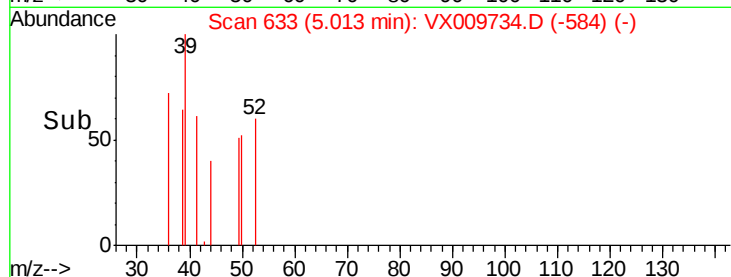
130 0.0 51.2 76.8#



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: 0.214 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX009734.D

Acq: 20 May 2019 18:23

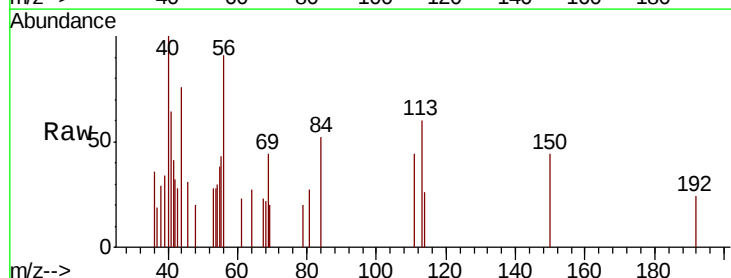
Tgt Ion: 56 Resp: 725

Ion Ratio Lower Upper

56 100

69 71.1 23.4 35.0#

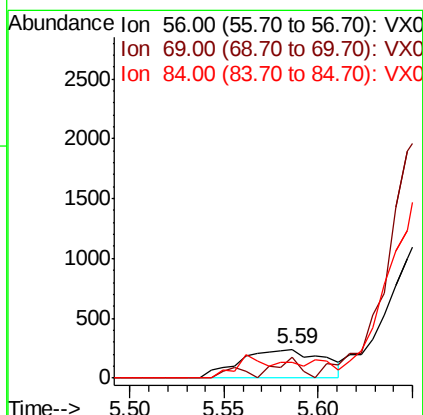
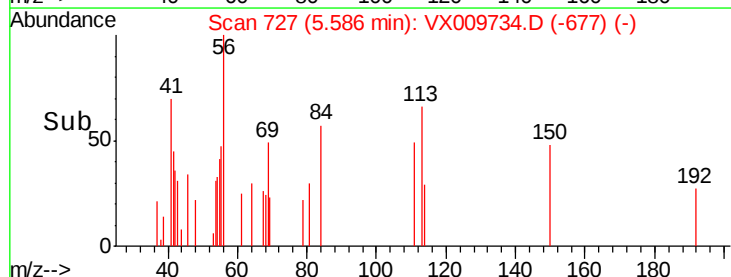
84 57.3 61.9 92.9#



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: 49.326 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009734.D

Acq: 20 May 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

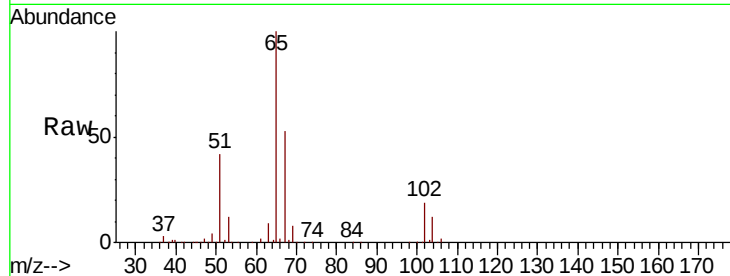
S81-0102

Tot Ion: 65 Resp: 113108

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

30000

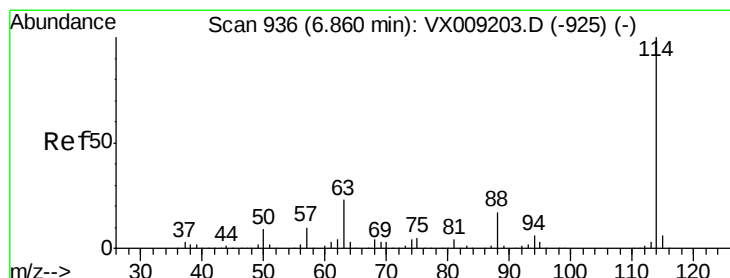
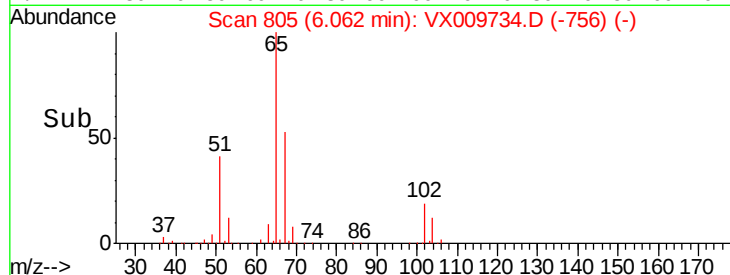
20000

10000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009734.D

Acq: 20 May 2019 18:23

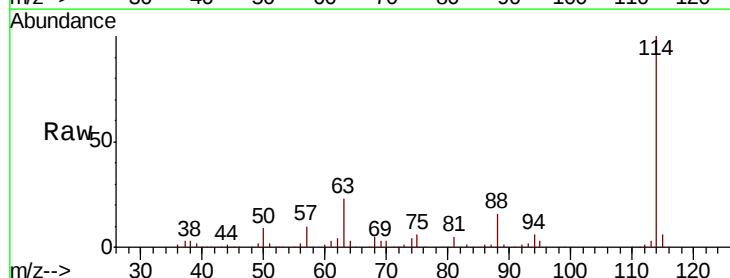
Tgt Ion: 114 Resp: 269667

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.6

88 16.3 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

150000

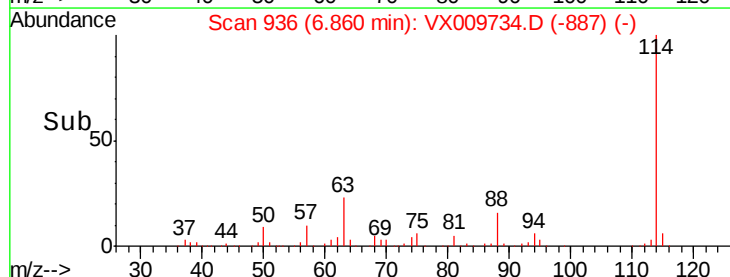
100000

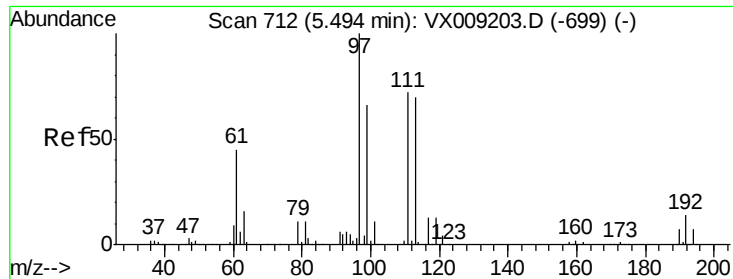
50000

0

6.70 6.80 6.90 7.00 7.10

Time-->

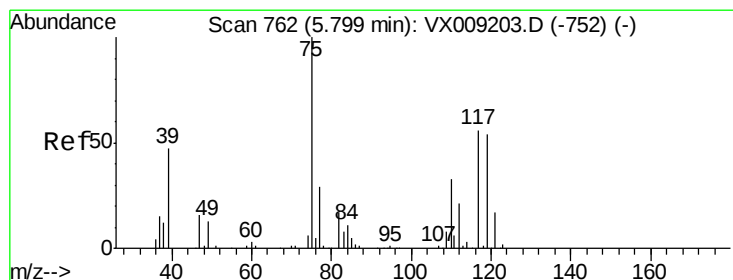
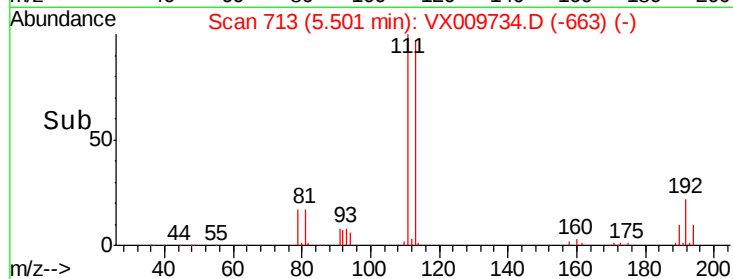
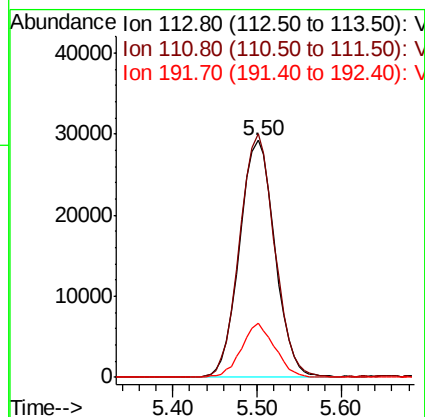
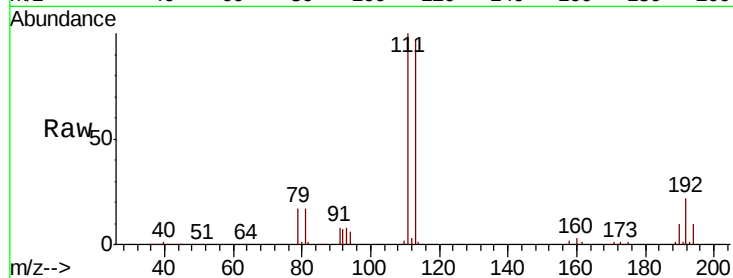




#35
 Dibromofluoromethane
 Concen: 48.988 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009734.D
 Acq: 20 May 2019 18:23

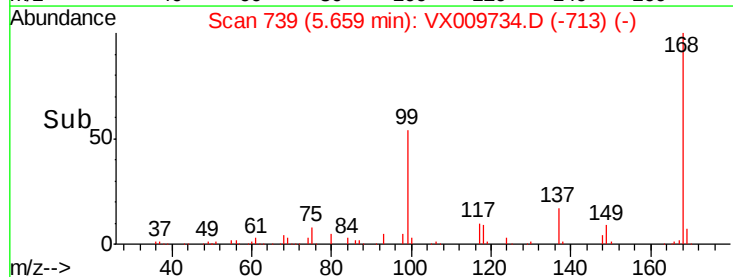
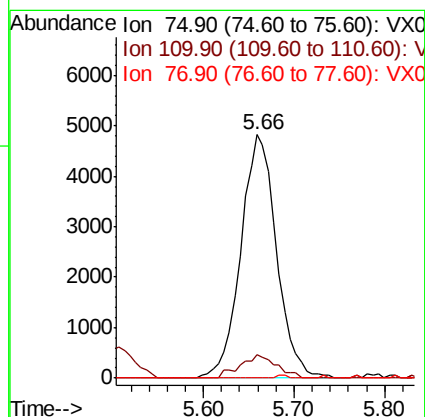
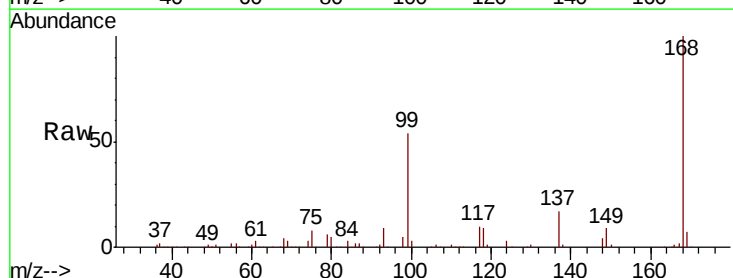
Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0102

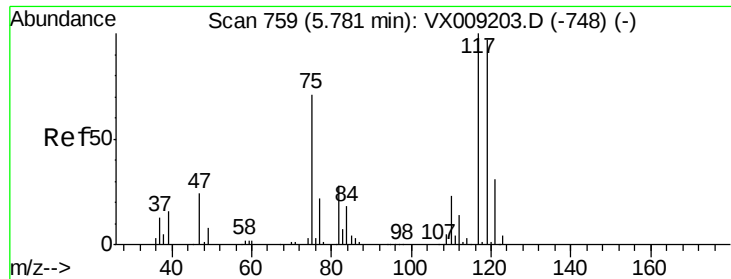
Tot Ion:113 Resp: 83046
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.8 124.2
 192 21.3 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.238 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009734.D
 Acq: 20 May 2019 18:23

Tgt Ion: 75 Resp: 13127
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.9 50.6#
 77 0.0 24.8 37.2#

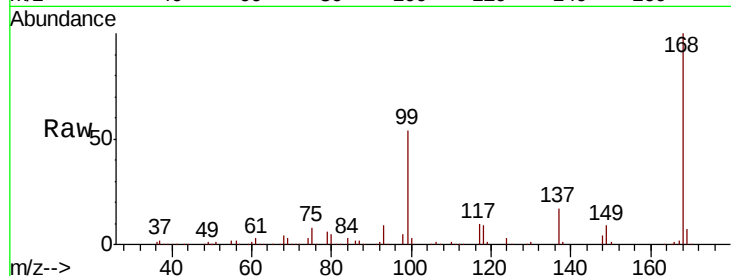




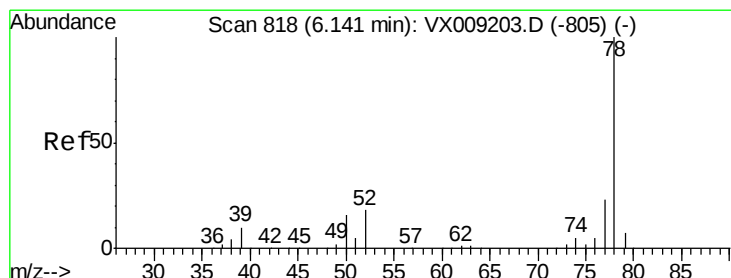
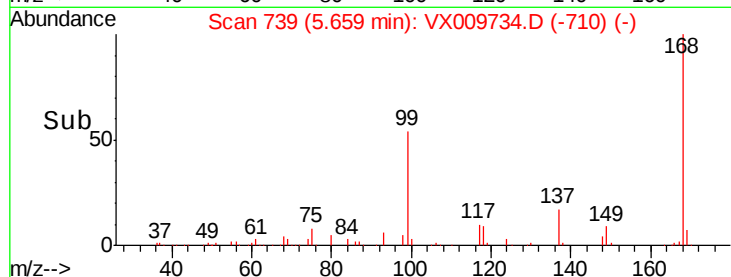
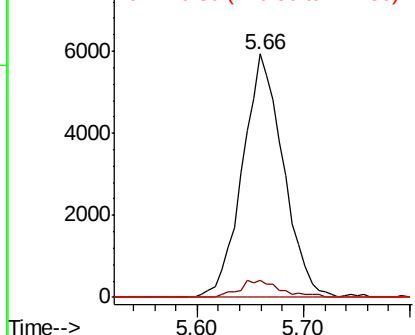
#38
Carbon Tetrachloride
Concen: 6.992 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009734.D
Acq: 20 May 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
S81-0102

Tot Ion:117 Resp: 15921
Ion Ratio Lower Upper
117 100
119 6.9 77.5 116.3#
121 0.0 24.7 37.1#

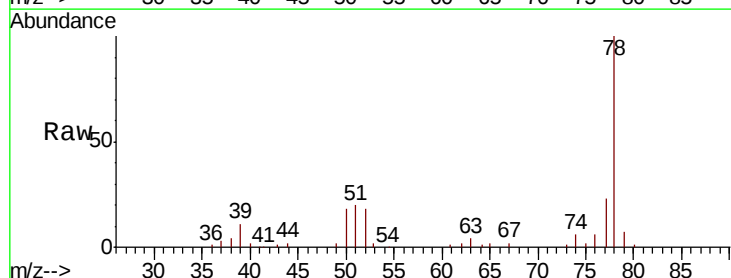


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

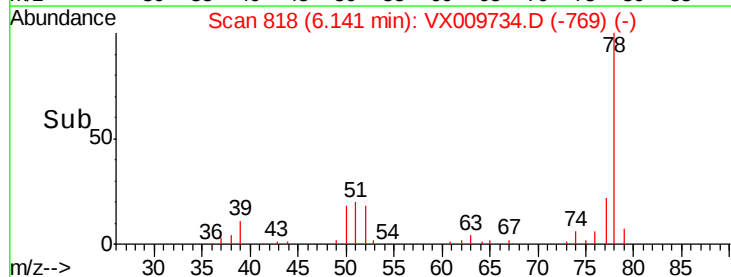
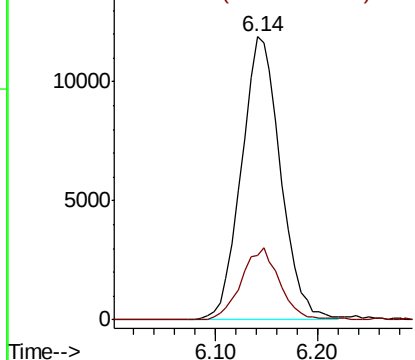


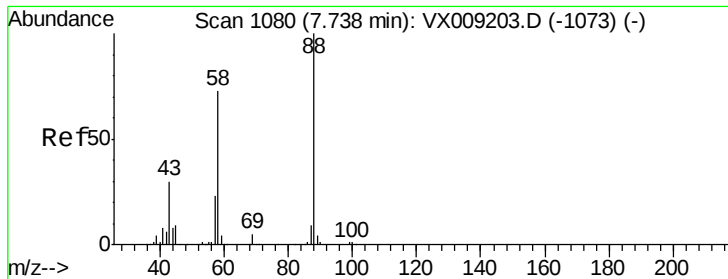
#40
Benzene
Concen: 4.089 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009734.D
Acq: 20 May 2019 18:23

Tgt Ion: 78 Resp: 31710
Ion Ratio Lower Upper
78 100
77 22.7 18.8 28.2



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

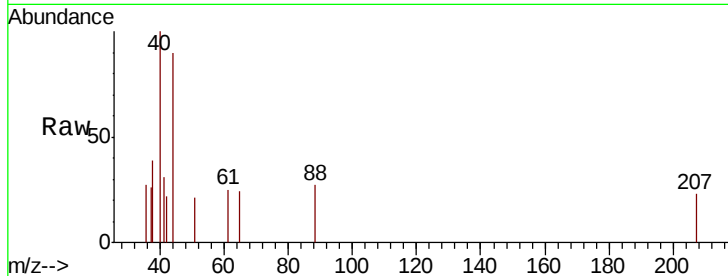




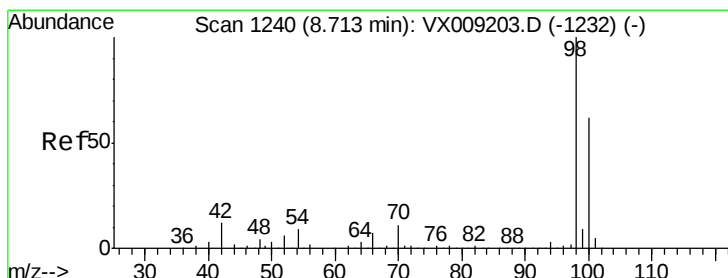
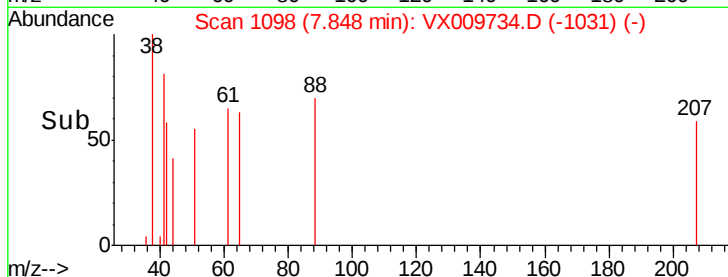
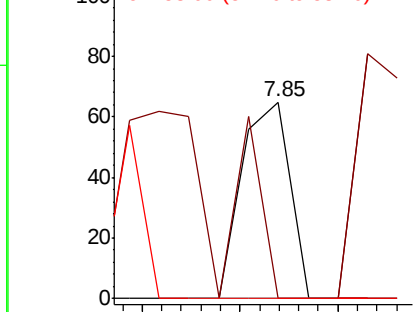
#49
1,4-Dioxane
Concen: 0.783 ug/l
RT: 7.85 min Scan# 1098
Delta R.T. 0.11 min
Lab File: VX009734.D
Acq: 20 May 2019 18:23

Instrument :
MSVOA_X
ClientSampled :
S81-0102

Tot Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 0.0 61.7 92.5#

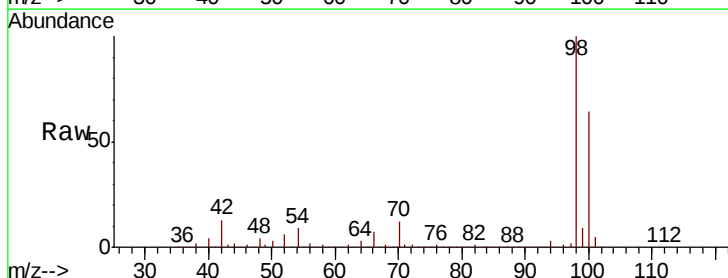


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

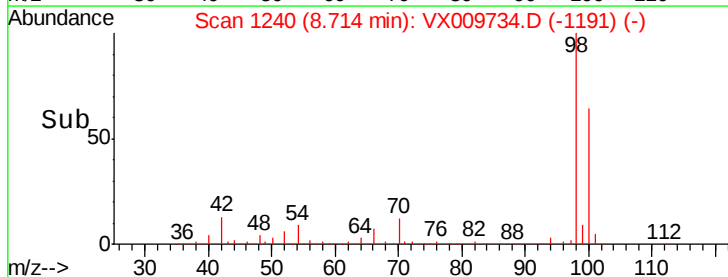
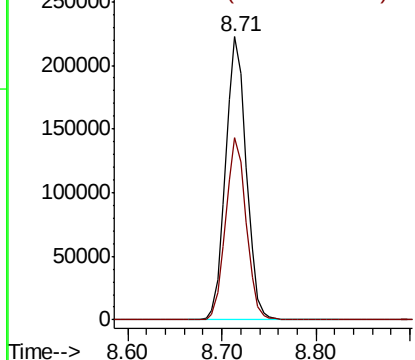


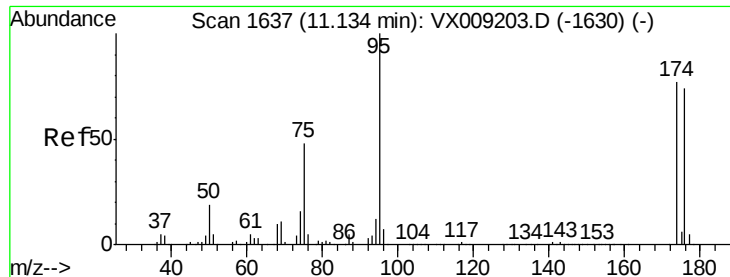
#50
Toluene-d8
Concen: 49.575 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009734.D
Acq: 20 May 2019 18:23

Tgt Ion: 98 Resp: 339294
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.780 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009734.D

Acq: 20 May 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

S81-0102

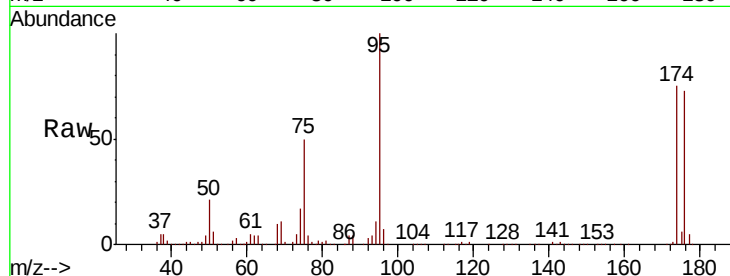
Tot Ion: 95 Resp: 108875

Ion Ratio Lower Upper

95 100

174 82.9 0.0 161.6

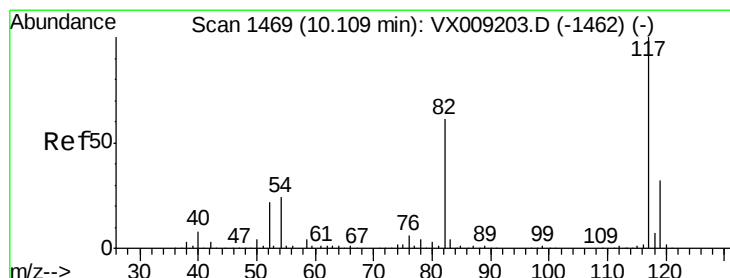
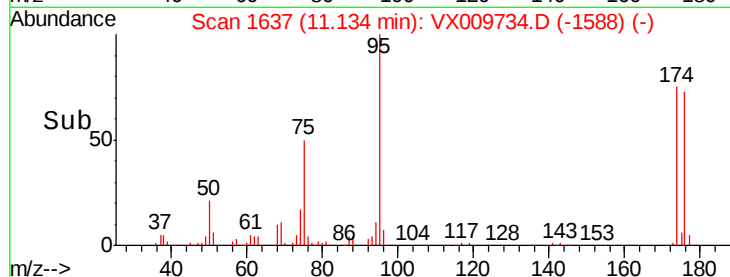
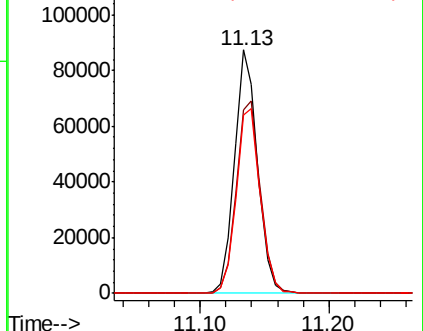
176 79.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009734.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009734.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009734.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009734.D

Acq: 20 May 2019 18:23

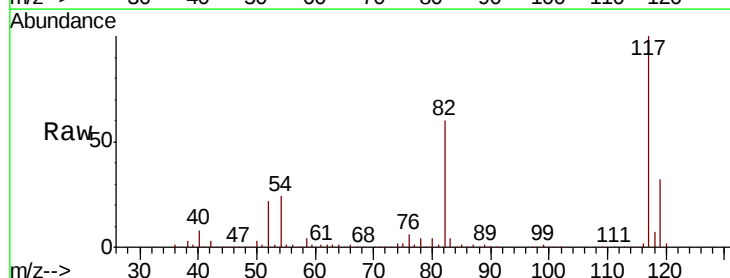
Tgt Ion: 117 Resp: 236343

Ion Ratio Lower Upper

117 100

82 59.6 48.8 73.2

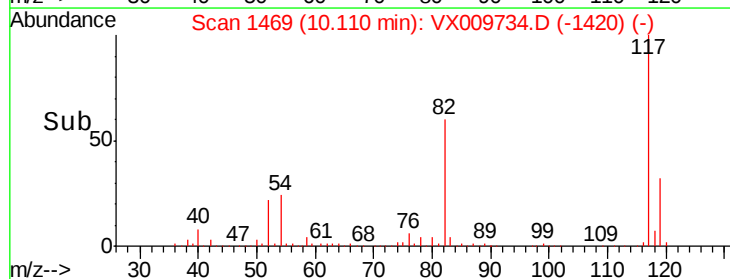
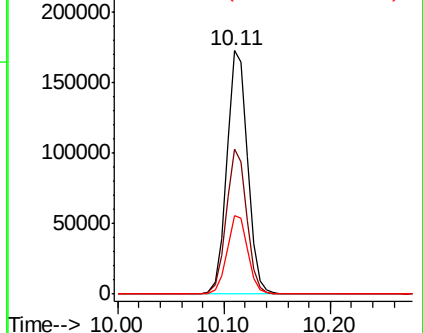
119 32.3 25.8 38.6

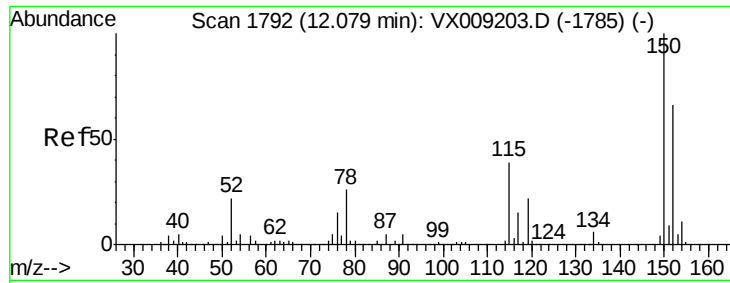


Abundance Ion 116.90 (116.60 to 117.60): VX009734.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009734.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009734.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009734.D

Acq: 20 May 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

S81-0102

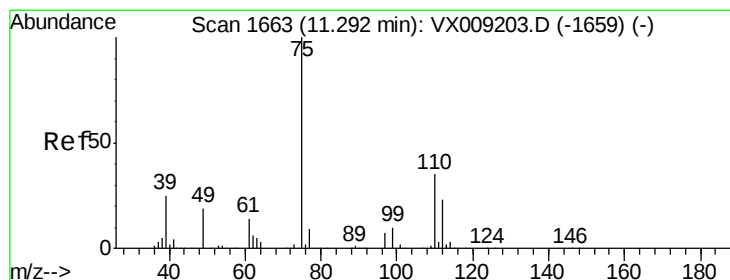
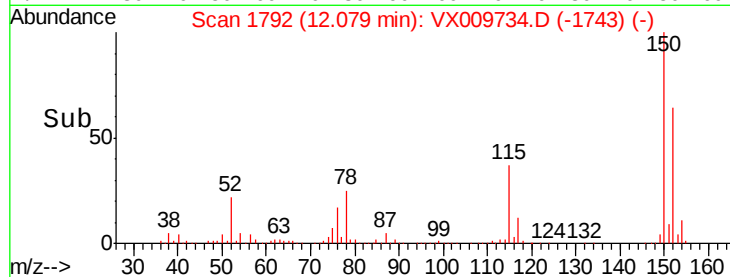
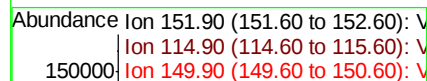
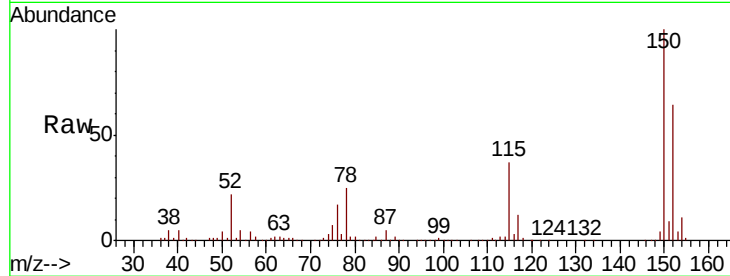
Tot Ion:152 Resp: 95040

Ion Ratio Lower Upper

152 100

115 58.7 41.2 123.6

150 157.6 0.0 346.4



#76

1,2,3-Trichloropropane

Concen: 25.359 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009734.D

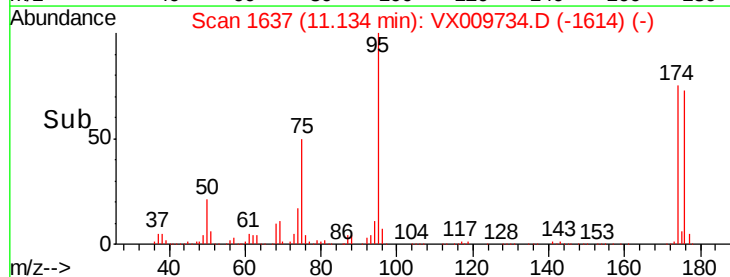
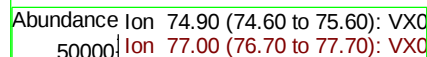
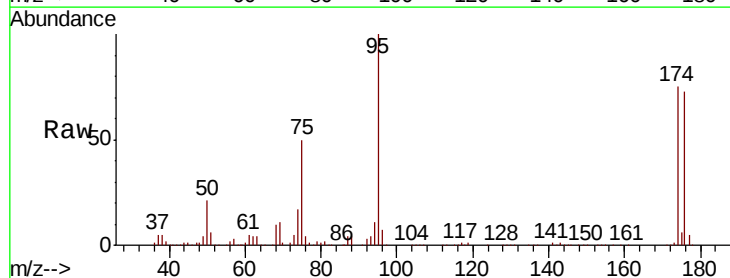
Acq: 20 May 2019 18:23

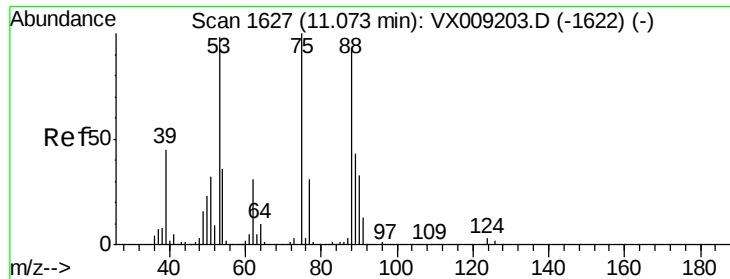
Tgt Ion: 75 Resp: 55905

Ion Ratio Lower Upper

75 100

77 1.5 22.1 66.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.883 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009734.D

Acq: 20 May 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

S81-0102

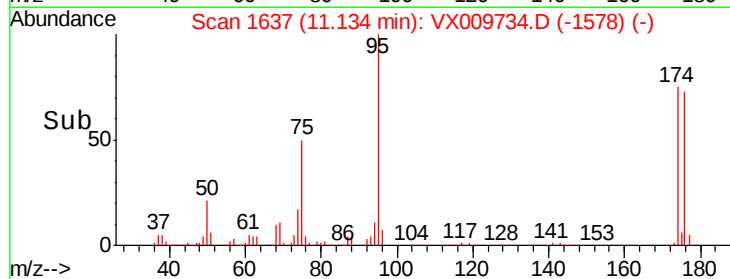
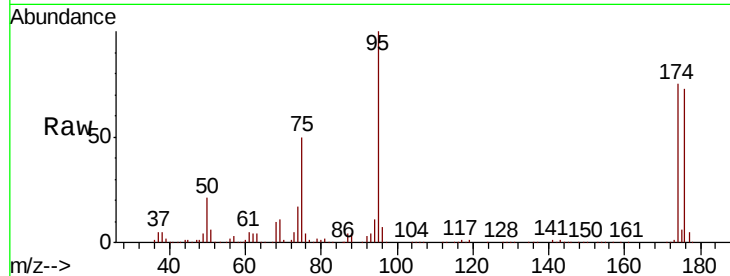
Tot Ion: 75 Resp: 55905

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 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

