

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040419\
 Data File : VX008646.D
 Acq On : 04 Apr 2019 19:14
 Operator : JC/SP
 Sample : K2275-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0710

Quant Time: Apr 05 07:10:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	211301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	351486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	309611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132055	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	145349	47.16	ug/l	0.00
Spiked Amount						
			Recovery	=	94.32%	
35) Dibromofluoromethane	5.50	113	106056	47.19	ug/l	0.00
Spiked Amount						
			Recovery	=	94.38%	
50) Toluene-d8	8.71	98	446765	49.93	ug/l	0.00
Spiked Amount						
			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.13	95	151910	47.87	ug/l	0.00
Spiked Amount						
			Recovery	=	95.74%	

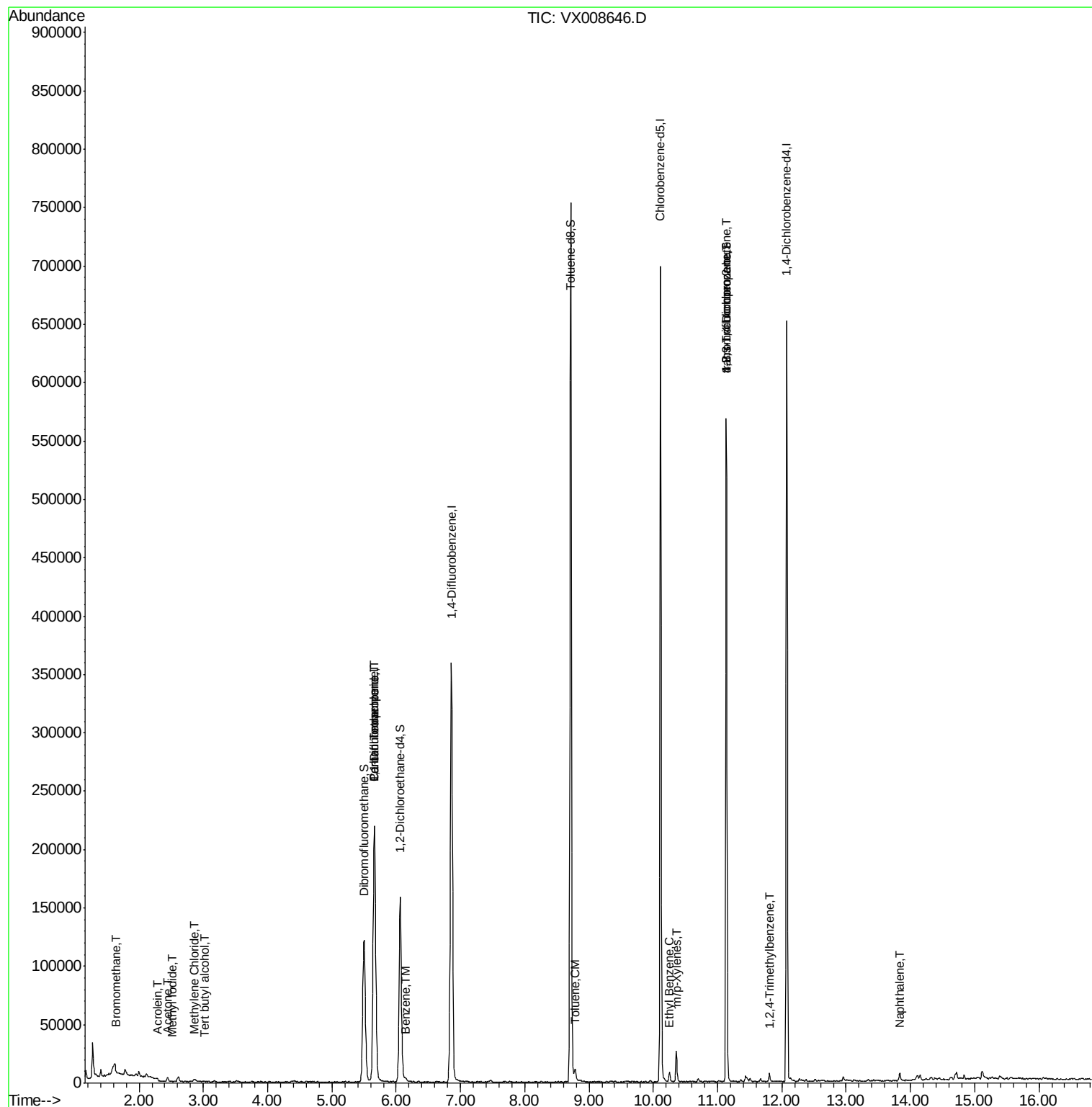
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	633	Below Cal		92
5) Bromomethane	1.64	94	554	2.214 ug/l		97
6) Chloroethane	1.58	64	1077	Below Cal	#	57
10) Methyl Iodide	2.51	142	88	4.041 ug/l	#	78
11) Tert butyl alcohol	3.02	59	297	0.412 ug/l	#	78
13) Acrolein	2.29	56	132	0.369 ug/l	#	13
16) Acetone	2.44	43	3932	2.215 ug/l		94
17) Carbon Disulfide	2.57	76	685	Below Cal	#	76
20) Methylene Chloride	2.85	84	871	0.293 ug/l	#	89
28) Bromochloromethane	5.00	49	20	Below Cal	#	22
36) 1,1-Dichloropropene	5.66	75	17186	4.473 ug/l	#	51
38) Carbon Tetrachloride	5.66	117	20572	6.469 ug/l	#	16
40) Benzene	6.15	78	2752	0.240 ug/l		92
52) Toluene	8.78	92	3079	0.456 ug/l		97
67) Ethyl Benzene	10.25	91	4893	0.382 ug/l		96
68) m/p-Xylenes	10.36	106	6055	1.316 ug/l		98
76) 1,2,3-Trichloropropane	11.13	75	77475	21.357 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.13	75	77475	58.871 ug/l	#	9
84) 1,2,4-Trimethylbenzene	11.80	105	3011	0.324 ug/l		97
95) Naphthalene	13.83	128	4102	0.377 ug/l		94

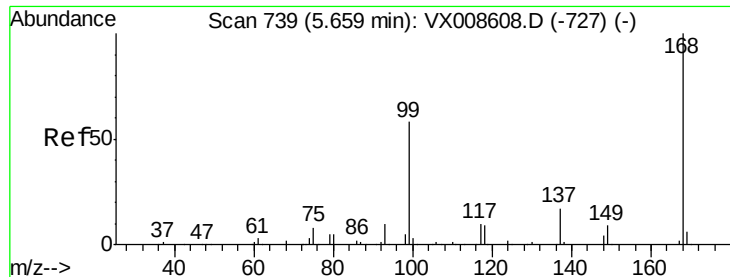
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008646.D
Acq On : 04 Apr 2019 19:14
Operator : JC/SP
Sample : K2275-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S8-0710

Quant Time: Apr 05 07:10:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008646.D

Acq: 04 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

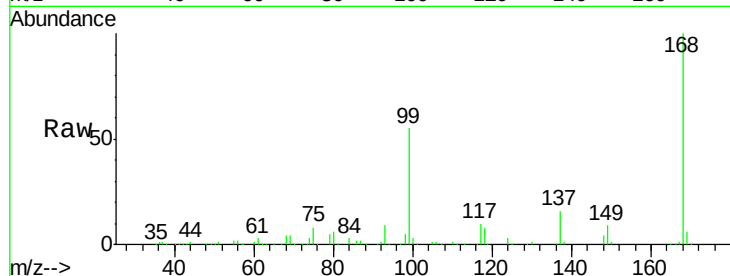
S8-0710

Tgt Ion:168 Resp: 211301

Ion Ratio Lower Upper

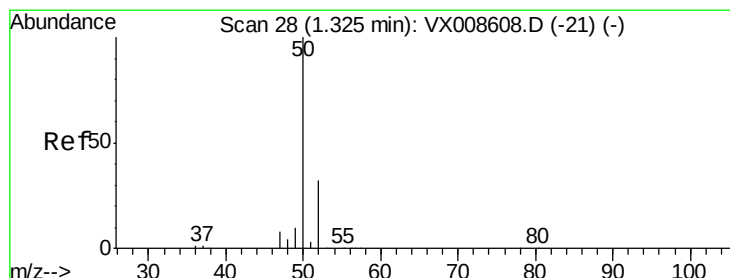
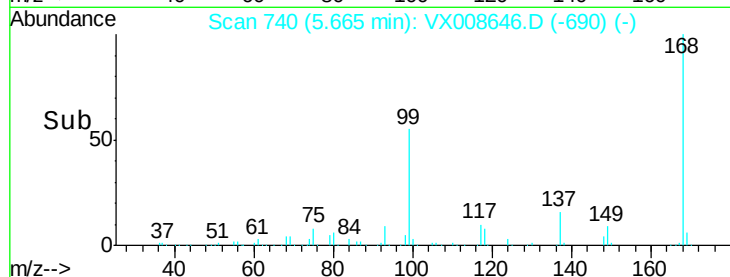
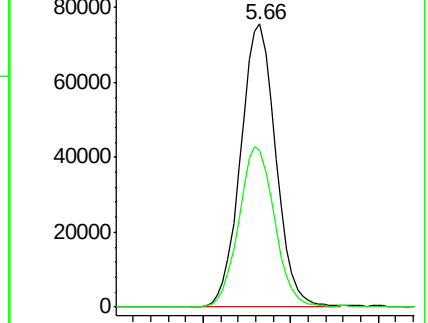
168 100

99 55.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008646.D

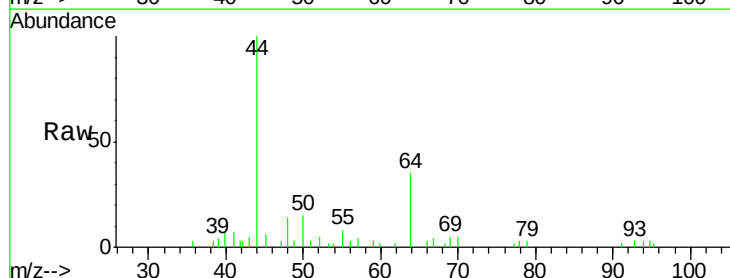
Acq: 04 Apr 2019 19:14

Tgt Ion: 50 Resp: 633

Ion Ratio Lower Upper

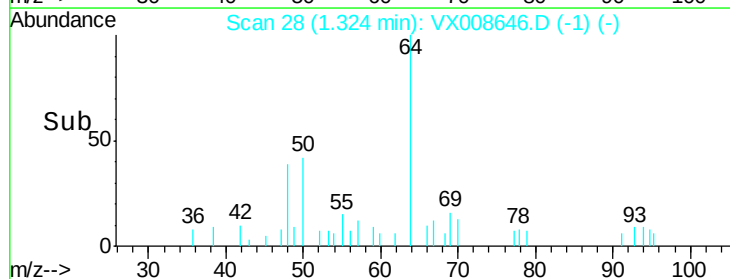
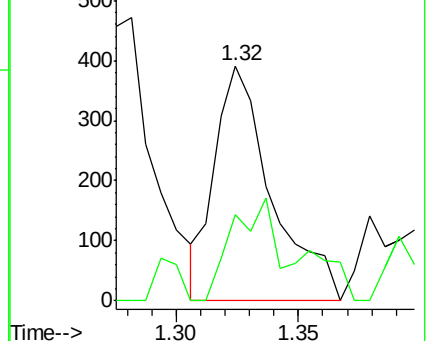
50 100

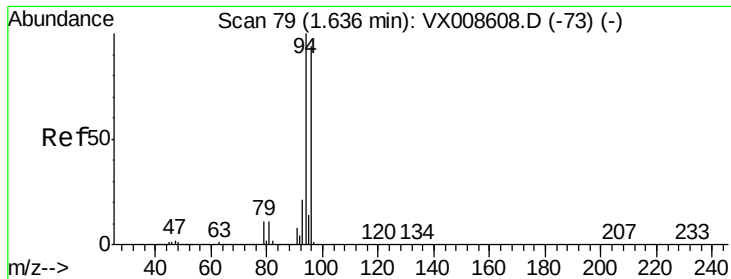
52 36.6 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.214 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008646.D

Acq: 04 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampled :

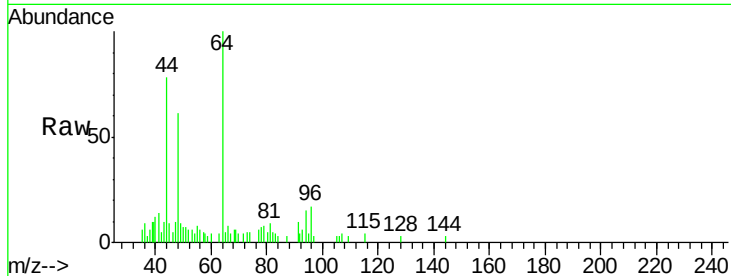
S8-0710

Tgt Ion: 94 Resp: 554

Ion Ratio Lower Upper

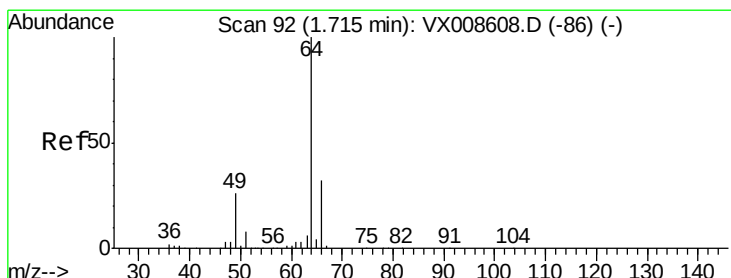
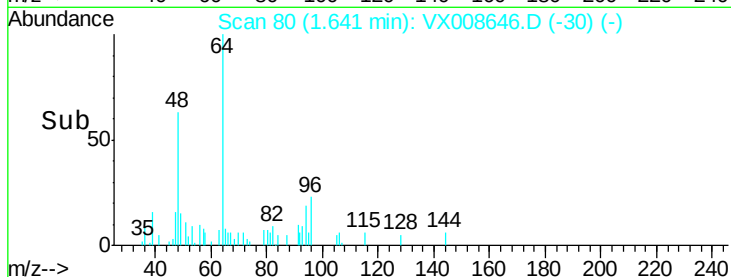
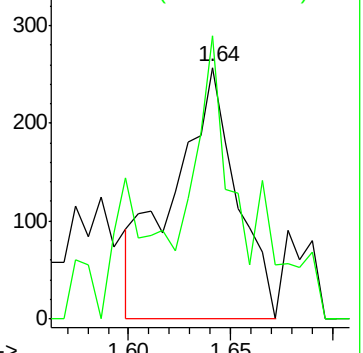
94 100

96 91.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.58 min Scan# 70

Delta R.T. -0.13 min

Lab File: VX008646.D

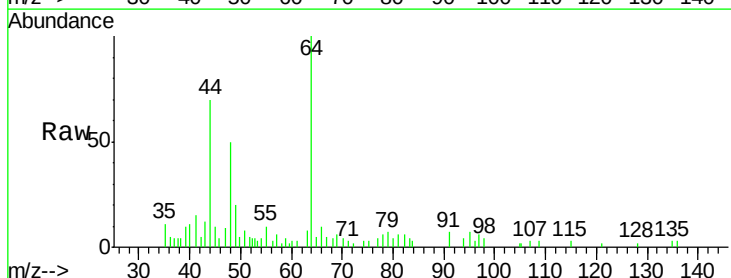
Acq: 04 Apr 2019 19:14

Tgt Ion: 64 Resp: 1077

Ion Ratio Lower Upper

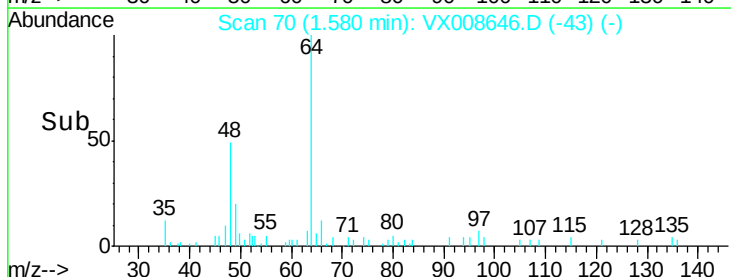
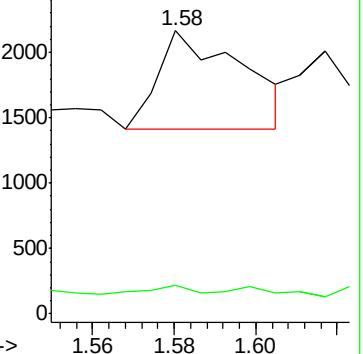
64 100

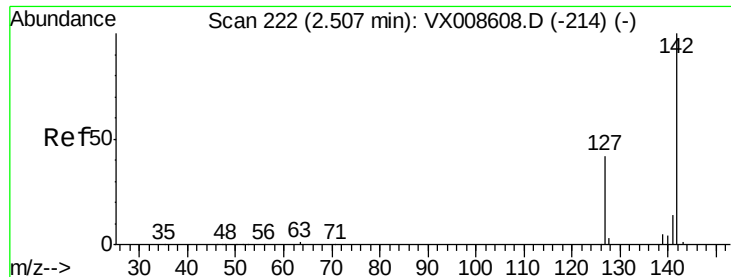
66 7.9 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

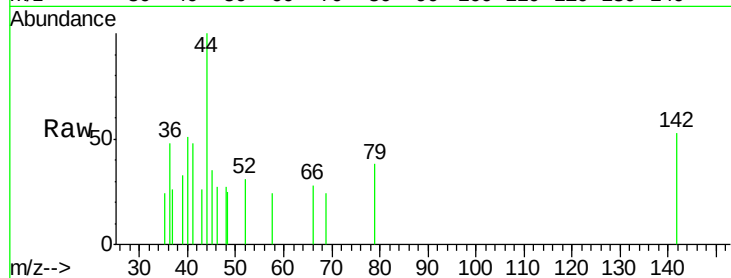




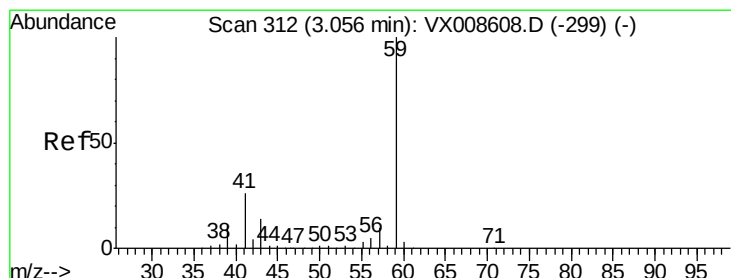
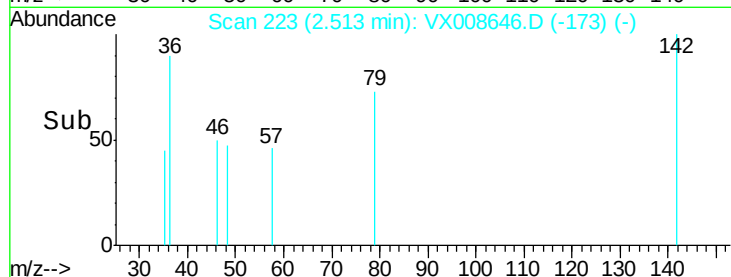
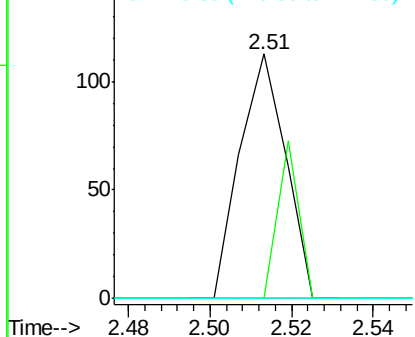
#10
Methyl Iodide
Concen: 4.041 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Instrument :
MSVOA_X
ClientSampled :
S8-0710

Tgt Ion: 142 Resp: 88
Ion Ratio Lower Upper
142 100
127 30.7 33.0 49.6#
141 0.0 11.4 17.2#

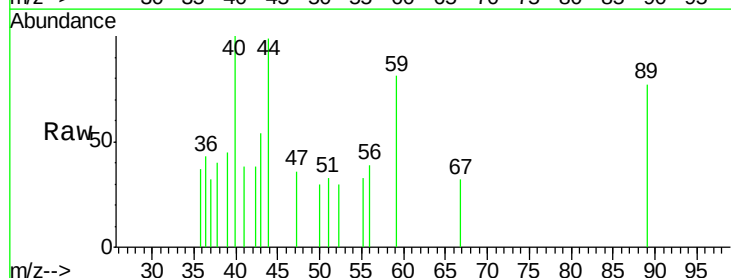


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

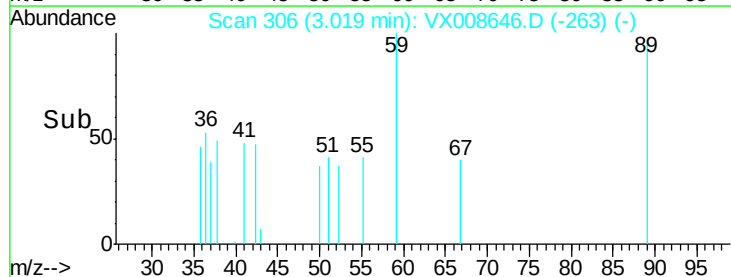
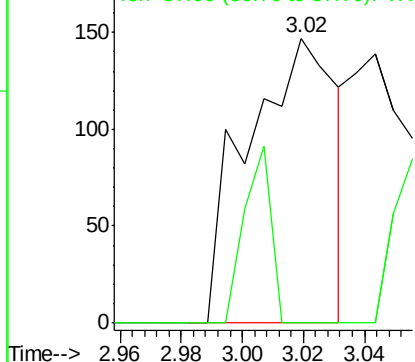


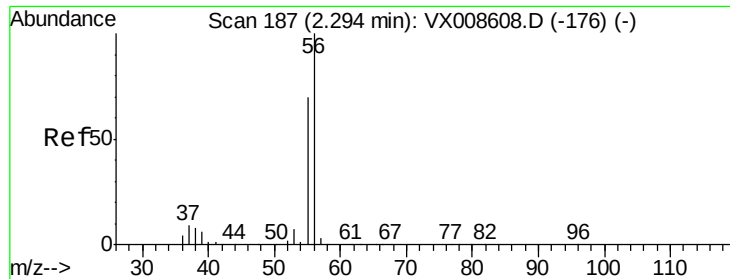
#11
Tert butyl alcohol
Concen: 0.412 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion: 59 Resp: 297
Ion Ratio Lower Upper
59 100
57 18.5 8.3 12.5#



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





#13

Acrolein

Concen: 0.369 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008646.D

Acq: 04 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampled :

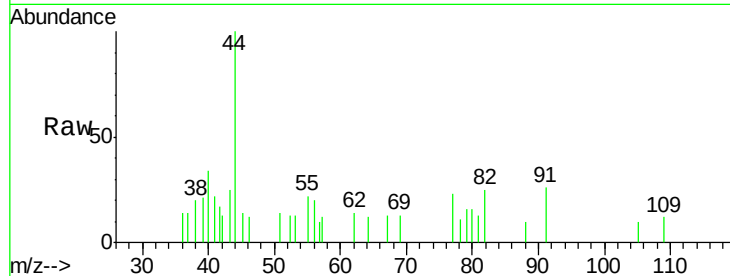
S8-0710

Tgt Ion: 56 Resp: 132

Ion Ratio Lower Upper

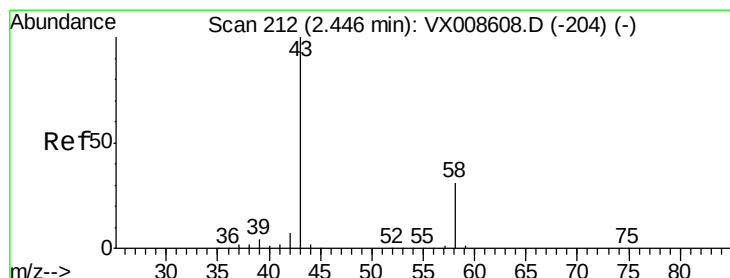
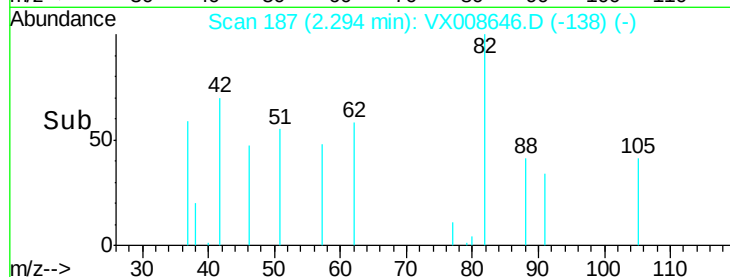
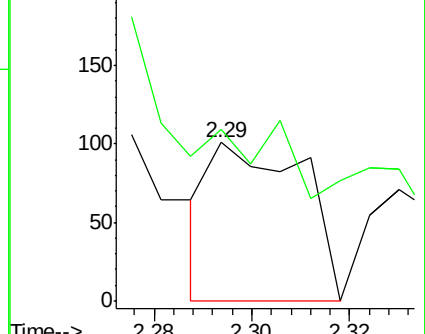
56 100

55 0.0 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.215 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008646.D

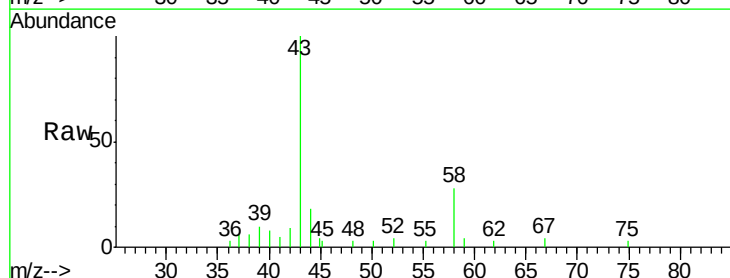
Acq: 04 Apr 2019 19:14

Tgt Ion: 43 Resp: 3932

Ion Ratio Lower Upper

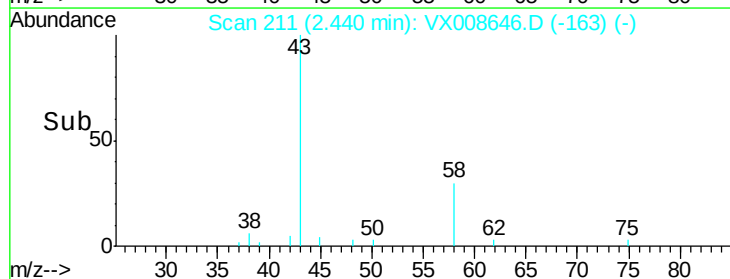
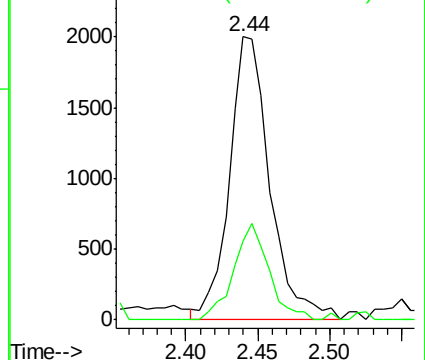
43 100

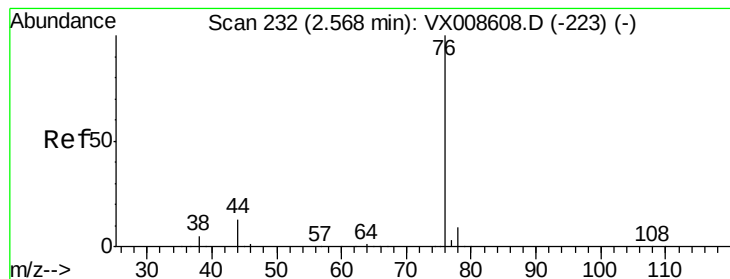
58 27.7 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008646.D

Acq: 04 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

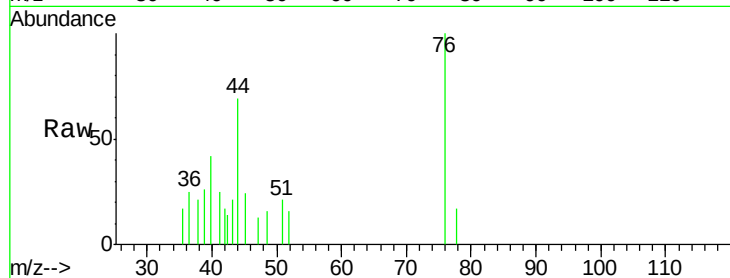
S8-0710

Tgt Ion: 76 Resp: 685

Ion Ratio Lower Upper

76 100

78 17.5 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

300

200

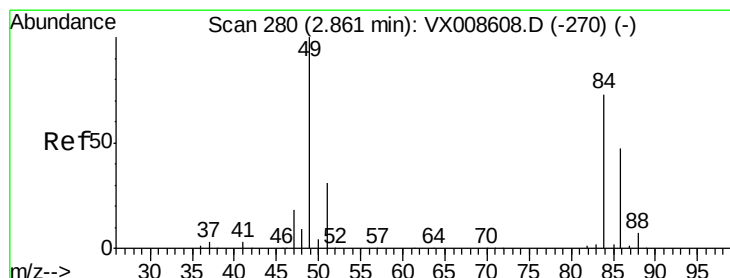
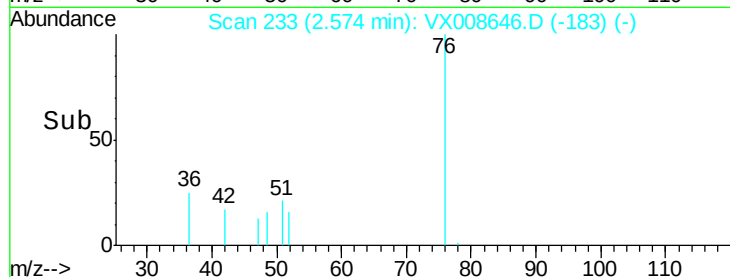
100

0

2.55

2.60

Time-->



#20

Methylene Chloride

Concen: 0.293 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008646.D

Acq: 04 Apr 2019 19:14

Tgt Ion: 84 Resp: 871

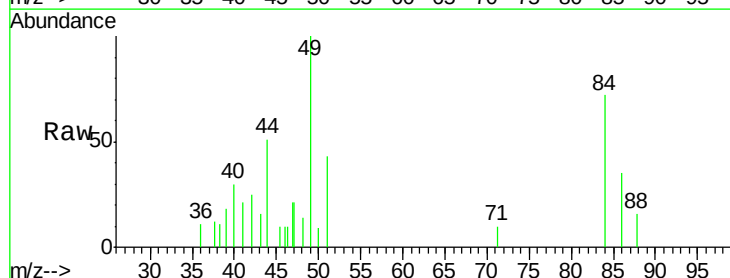
Ion Ratio Lower Upper

84 100

49 138.8 109.7 164.5

51 59.9 33.6 50.4#

86 48.8 51.4 77.2#



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

800

600

400

200

0

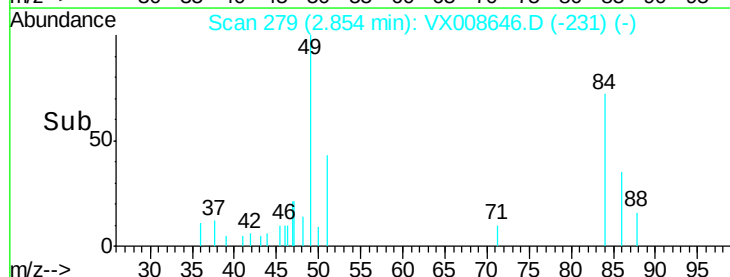
2.80

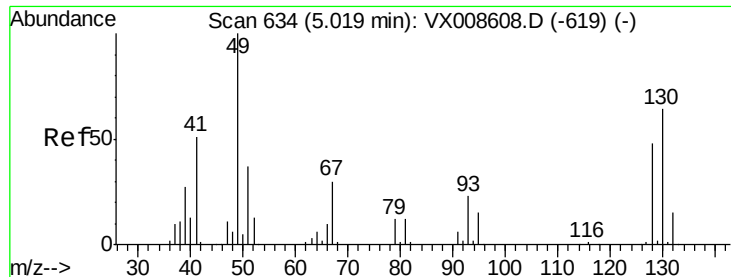
2.85

2.90

2.95

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.02 min

Lab File: VX008646.D

Acq: 04 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

S8-0710

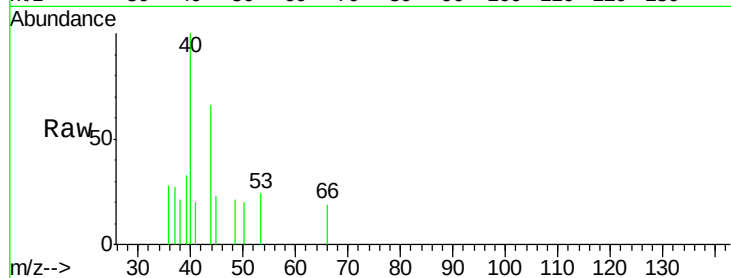
Tgt Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

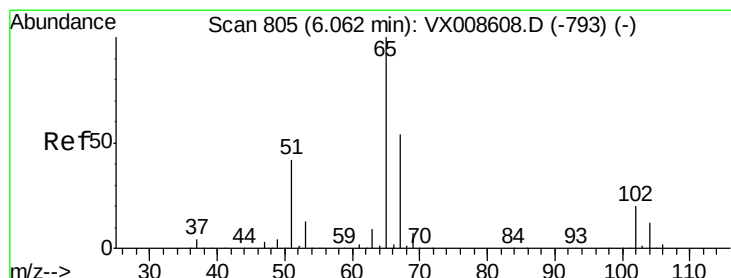
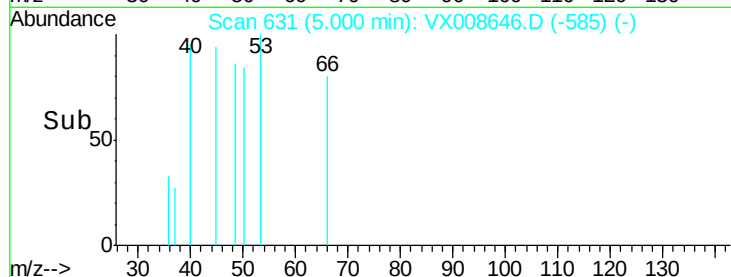
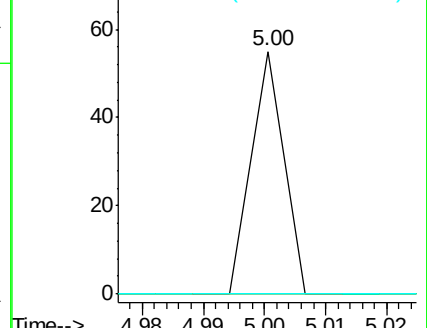
130 0.0 49.3 73.9#



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



#33

1,2-Dichloroethane-d4

Concen: 47.161 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008646.D

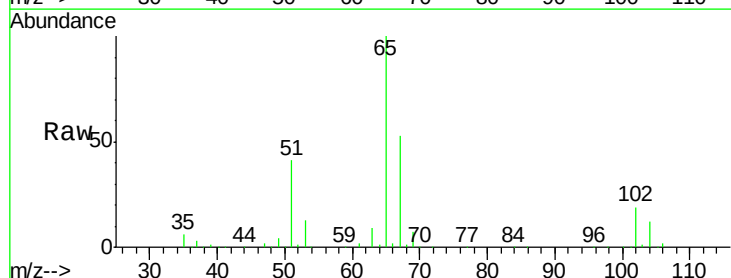
Acq: 04 Apr 2019 19:14

Tgt Ion: 65 Resp: 145349

Ion Ratio Lower Upper

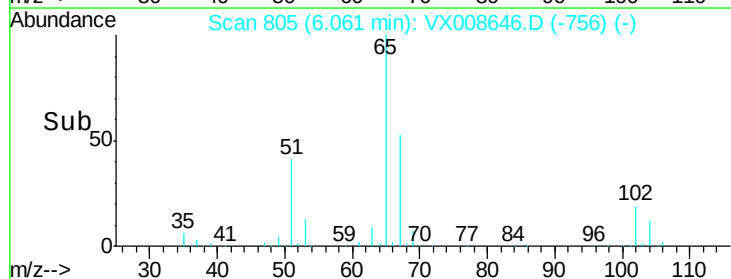
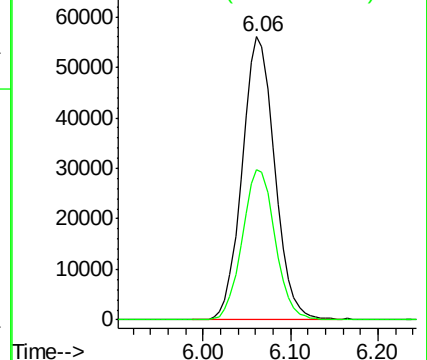
65 100

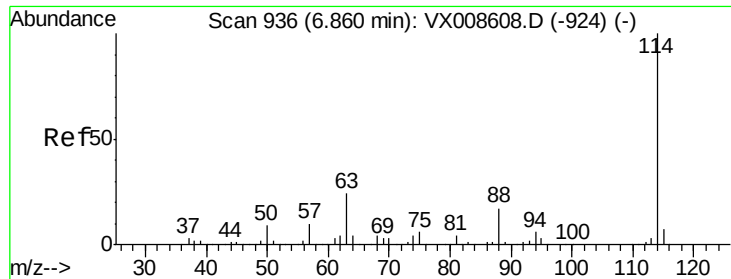
67 53.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

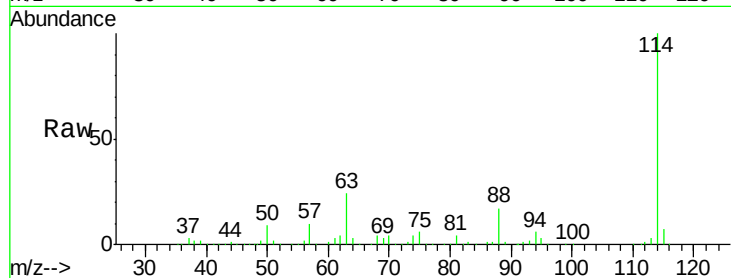




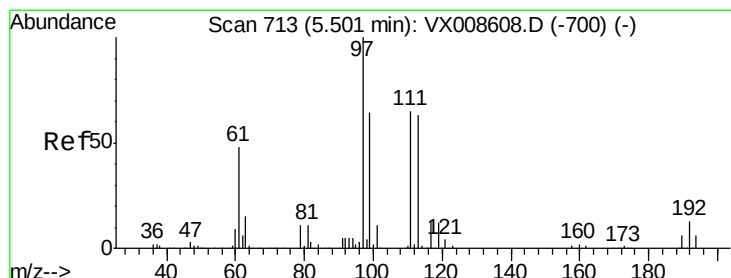
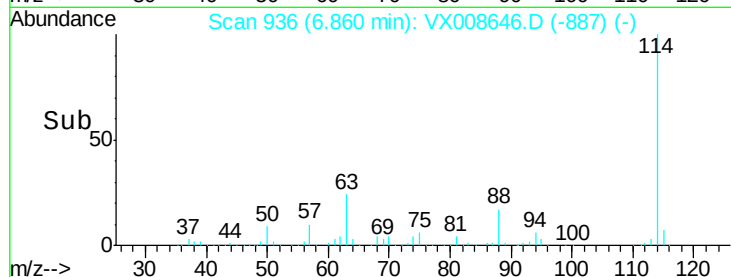
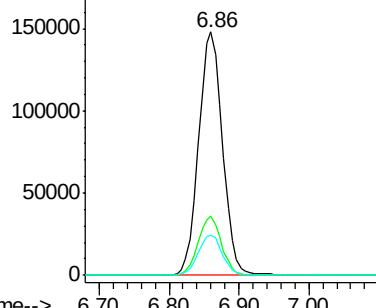
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
S8-0710

Tgt Ion:114 Resp: 351486
Ion Ratio Lower Upper
114 100
63 24.1 0.0 47.2
88 16.6 0.0 34.0

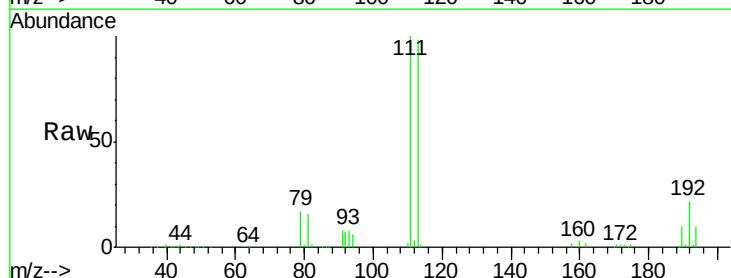


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

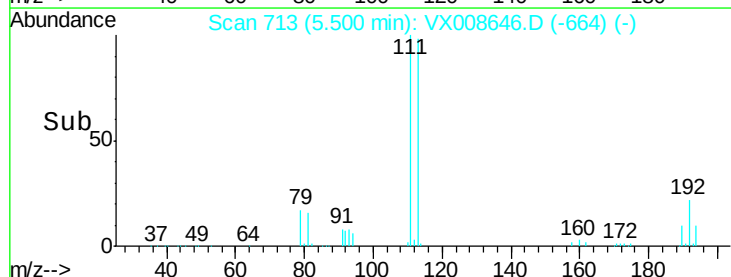
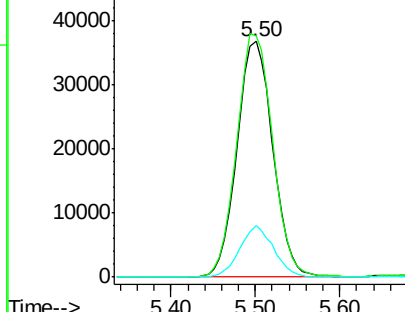


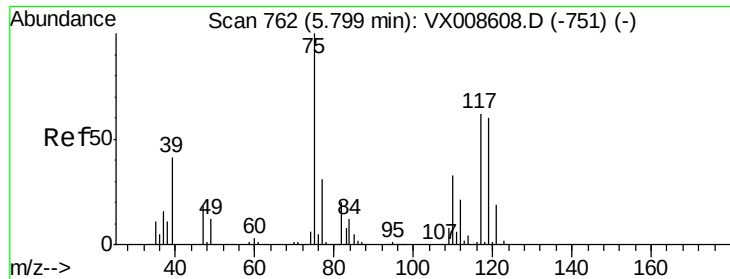
#35
Dibromofluoromethane
Concen: 47.193 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion:113 Resp: 106056
Ion Ratio Lower Upper
113 100
111 103.6 83.4 125.2
192 20.4 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.473 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008646.D

Acq: 04 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

S8-0710

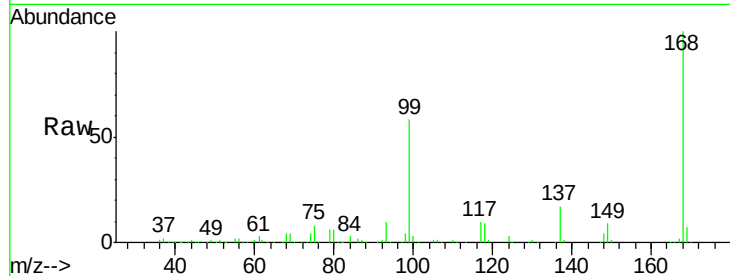
Tgt Ion: 75 Resp: 17186

Ion Ratio Lower Upper

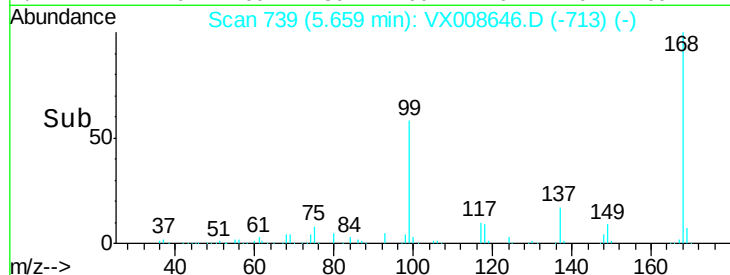
75 100

110 8.9 16.4 49.2#

77 0.0 24.7 37.1#



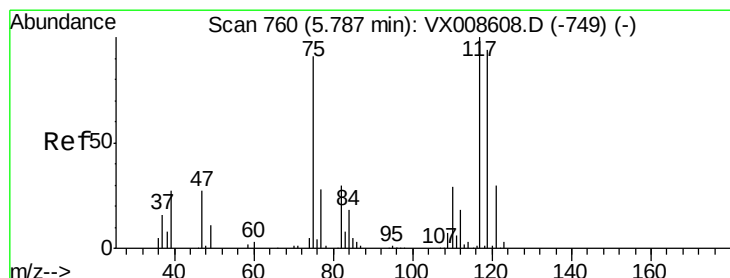
Abundance Ion 74.90 (74.60 to 75.60): VX008646.D (-713) (-)



Ion 109.90 (109.60 to 110.60): VX008646.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX008646.D (-713) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.469 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008646.D

Acq: 04 Apr 2019 19:14

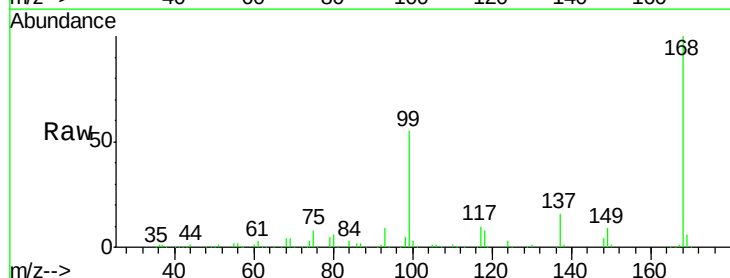
Tgt Ion: 117 Resp: 20572

Ion Ratio Lower Upper

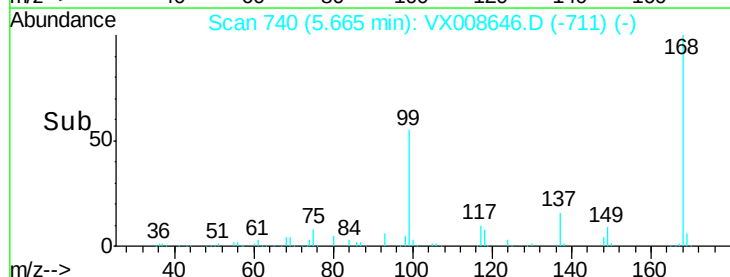
117 100

119 4.1 75.0 112.6#

121 0.0 24.3 36.5#



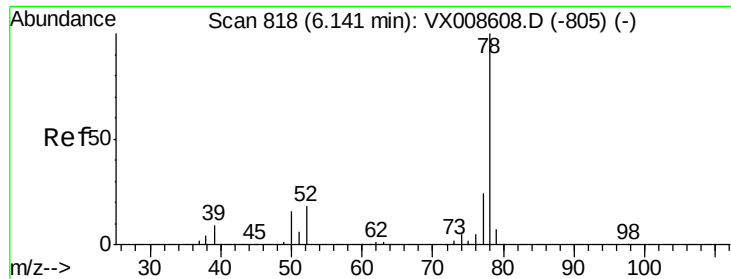
Abundance Ion 116.80 (116.50 to 117.50): VX008646.D (-711) (-)



Ion 118.80 (118.50 to 119.50): VX008646.D (-711) (-)

Ion 120.80 (120.50 to 121.50): VX008646.D (-711) (-)

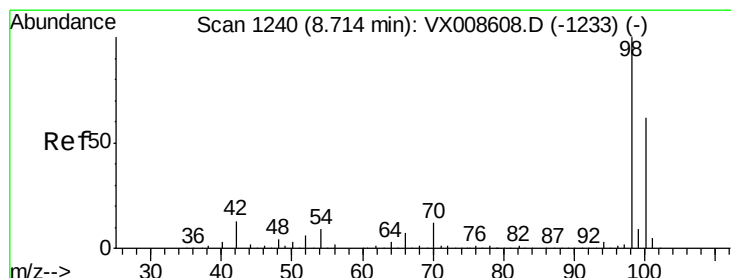
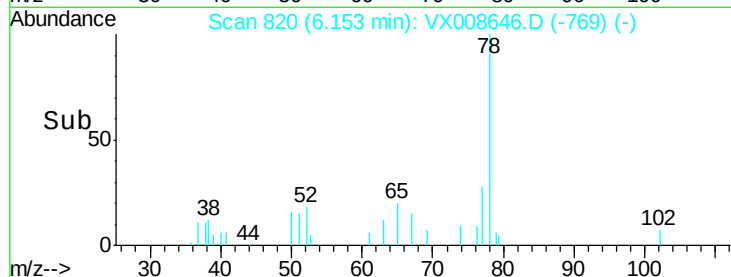
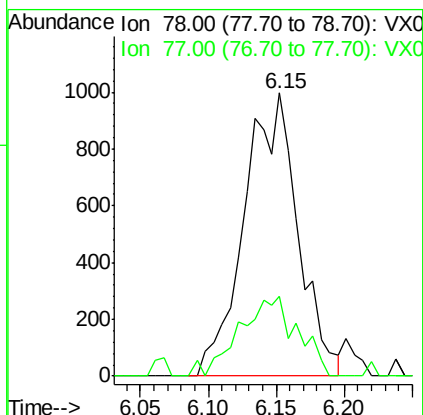
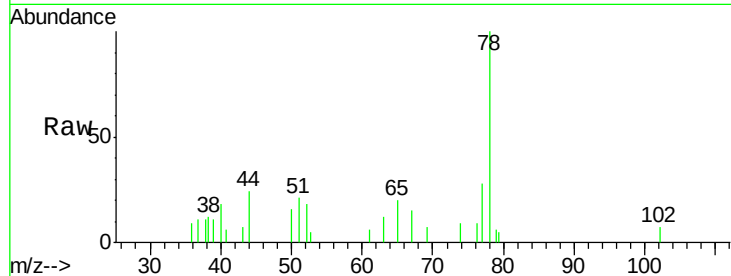
Time-->



#40
Benzene
Concen: 0.240 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

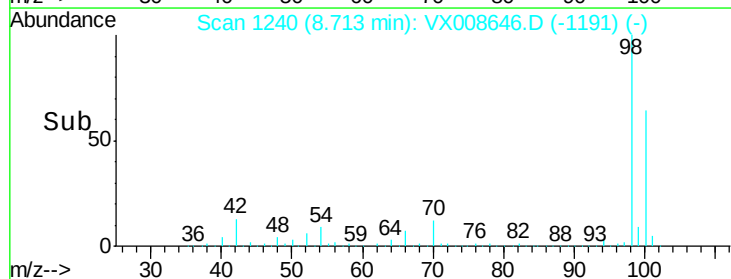
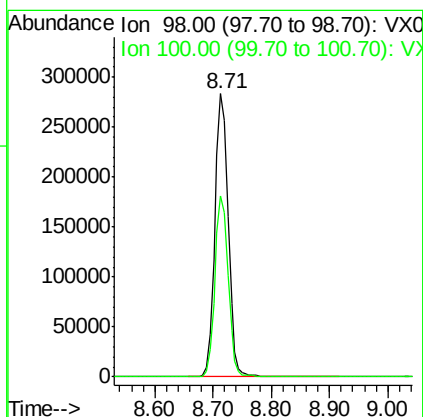
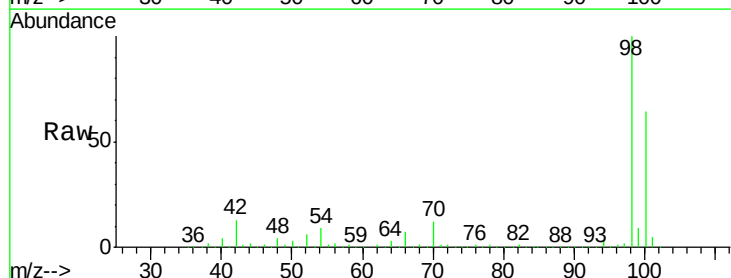
Instrument :
MSVOA_X
ClientSampled :
S8-0710

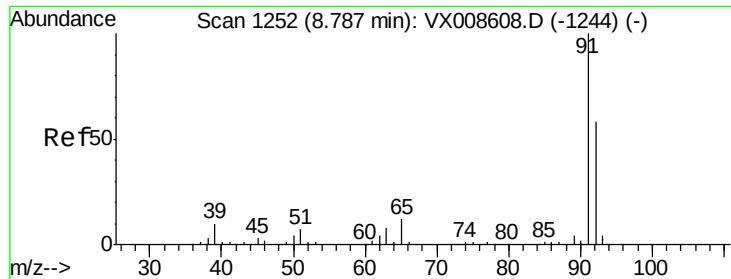
Tgt Ion: 78 Resp: 2752
Ion Ratio Lower Upper
78 100
77 28.1 19.1 28.7



#50
Toluene-d8
Concen: 49.929 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion: 98 Resp: 446765
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0





#52

Toluene

Concen: 0.456 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008646.D

Acq: 04 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

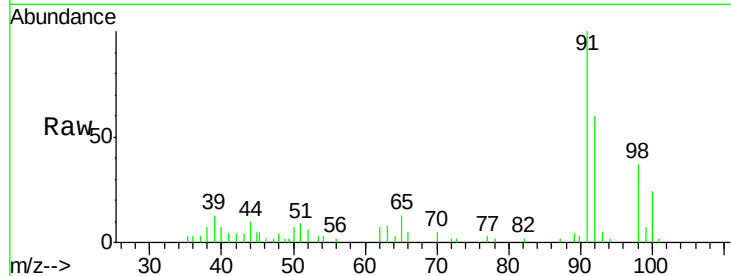
S8-0710

Tgt Ion: 92 Resp: 3079

Ion Ratio Lower Upper

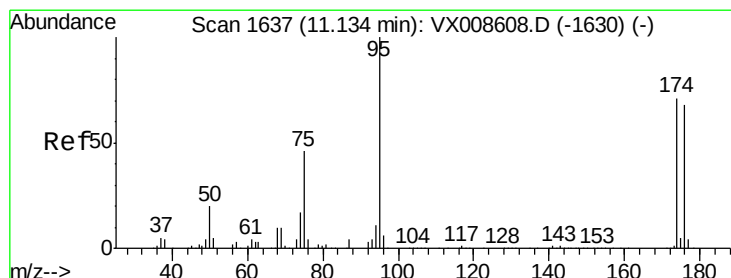
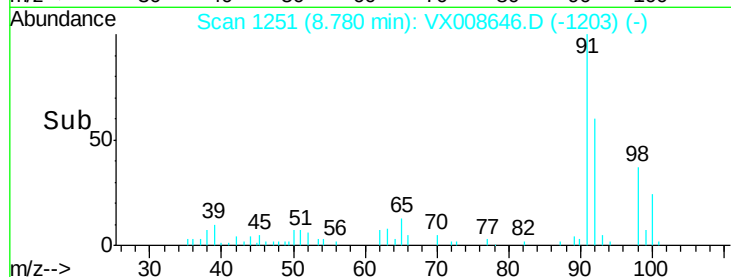
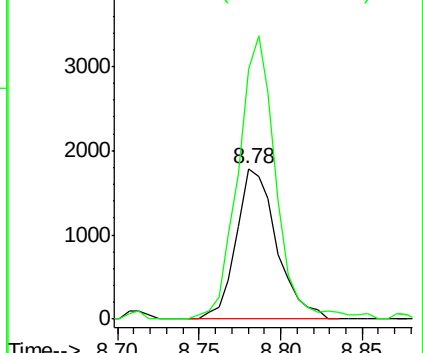
92 100

91 177.2 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.874 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008646.D

Acq: 04 Apr 2019 19:14

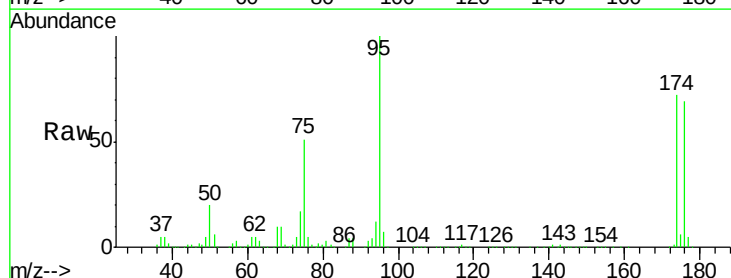
Tgt Ion: 95 Resp: 151910

Ion Ratio Lower Upper

95 100

174 76.5 0.0 151.8

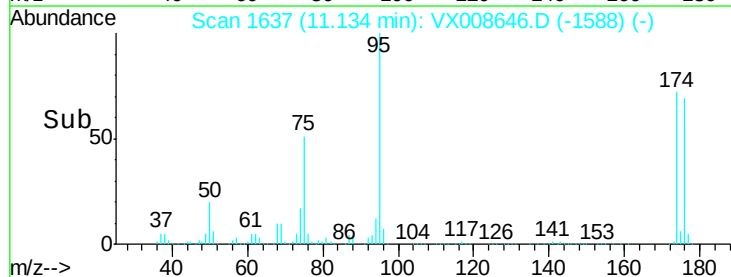
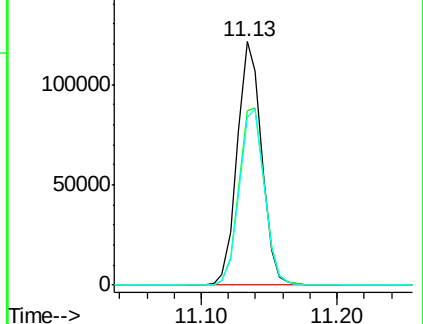
176 74.3 0.0 145.8

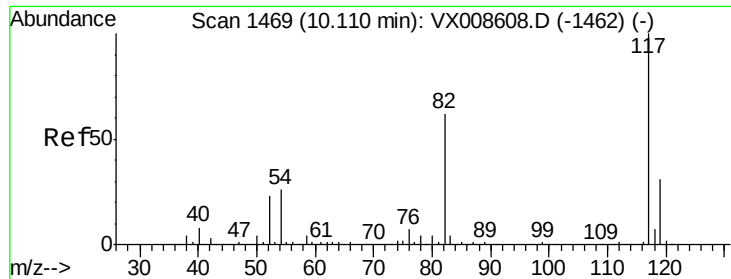


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

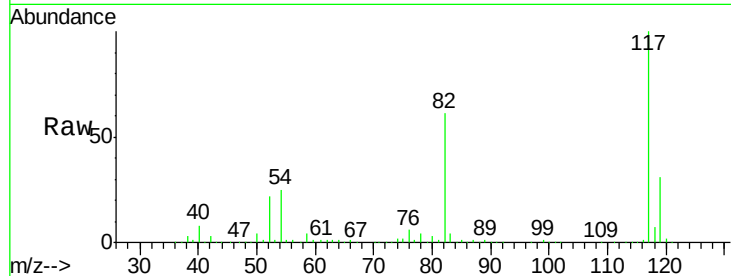




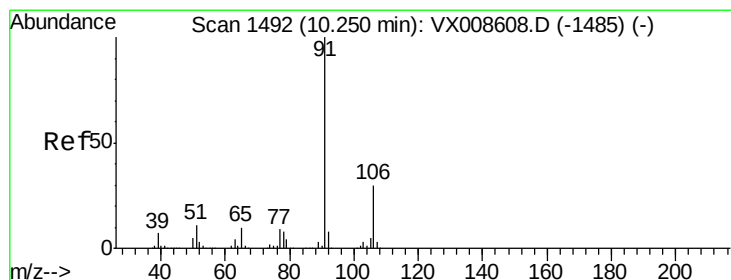
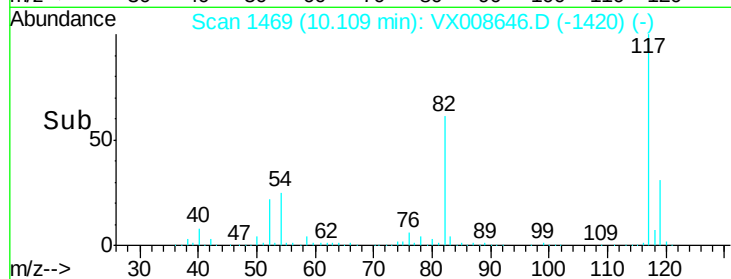
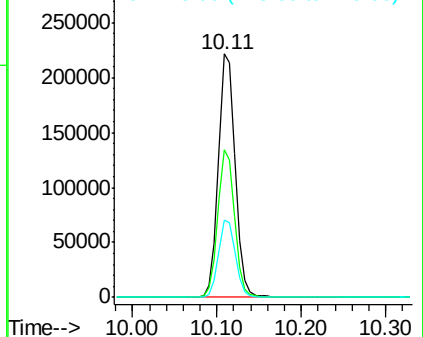
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
S8-0710

Tgt Ion: 117 Resp: 309611
Ion Ratio Lower Upper
117 100
82 60.9 49.6 74.4
119 31.5 25.0 37.4

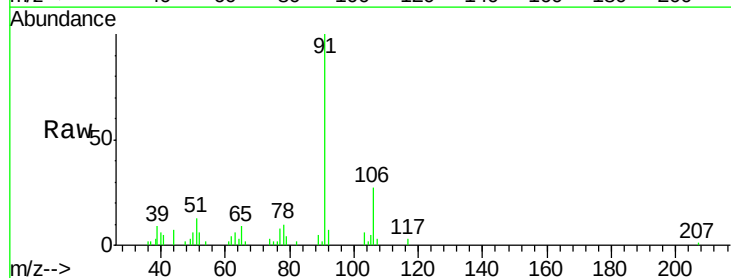


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

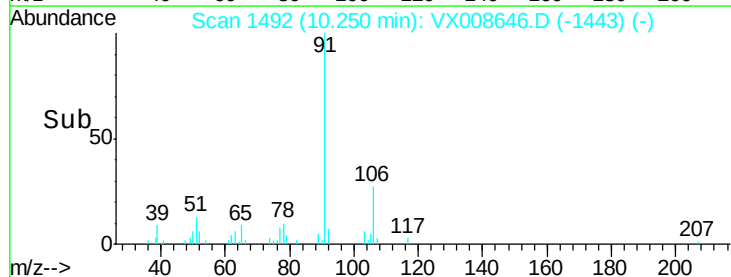
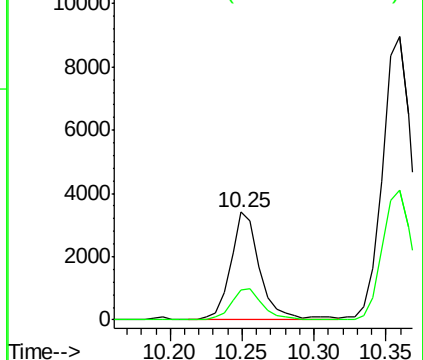


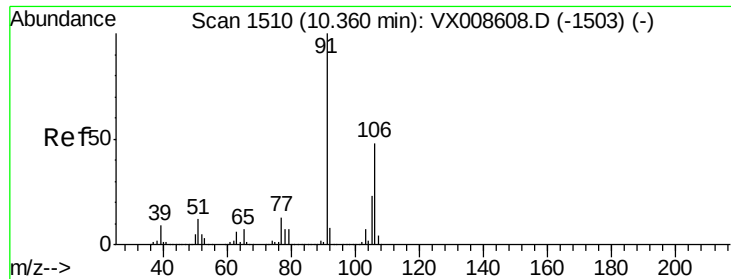
#67
Ethyl Benzene
Concen: 0.382 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion: 91 Resp: 4893
Ion Ratio Lower Upper
91 100
106 27.4 23.7 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

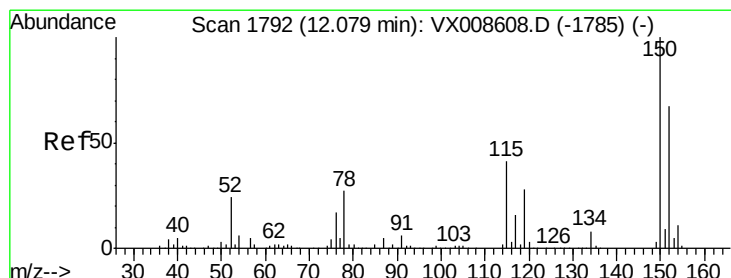
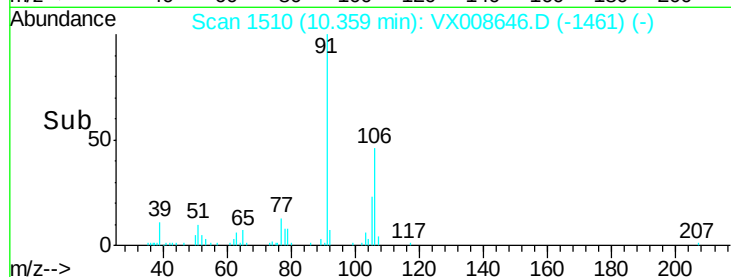
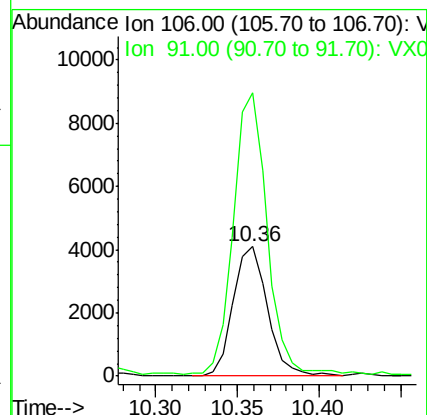
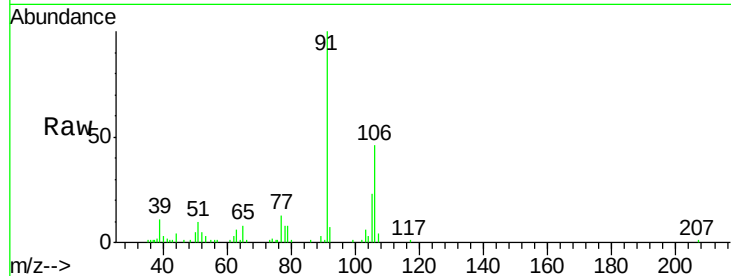




#68
m/p-Xylenes
Concen: 1.316 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

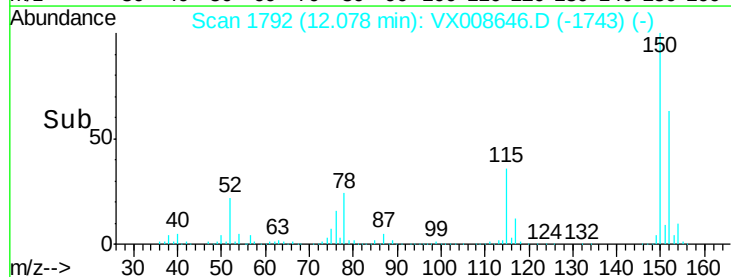
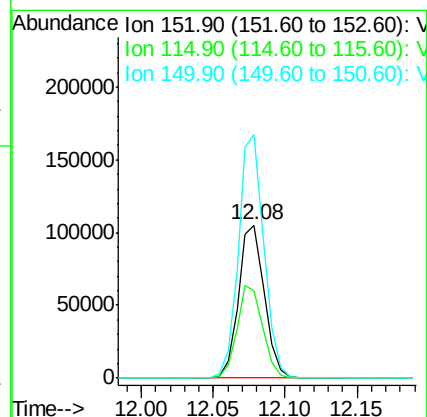
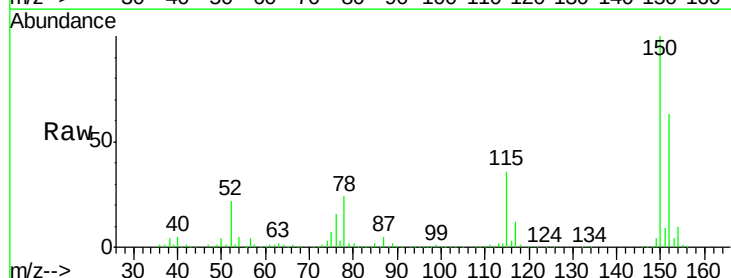
Instrument :
MSVOA_X
ClientSampleId :
S8-0710

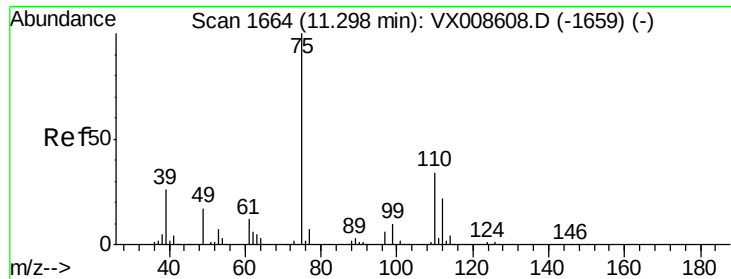
Tgt Ion:106 Resp: 6055
Ion Ratio Lower Upper
106 100
91 213.7 168.5 252.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion:152 Resp: 132055
Ion Ratio Lower Upper
152 100
115 60.2 43.5 130.5
150 157.0 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 21.357 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008646.D

Acq: 04 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

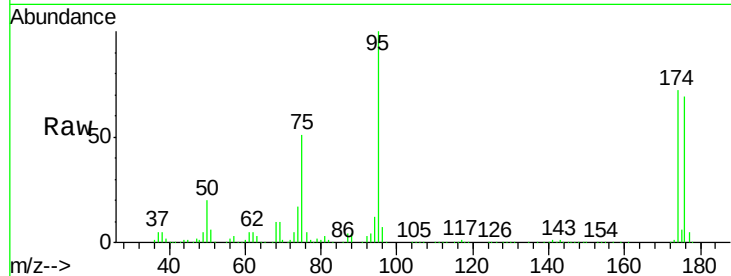
S8-0710

Tgt Ion: 75 Resp: 77475

Ion Ratio Lower Upper

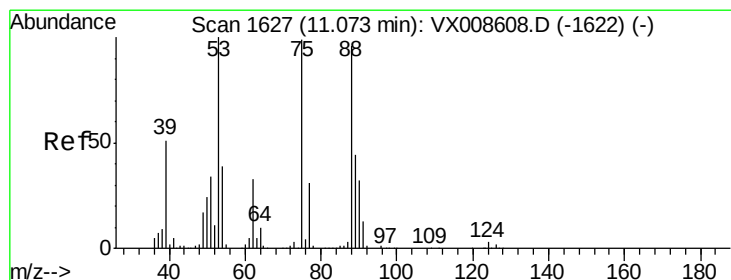
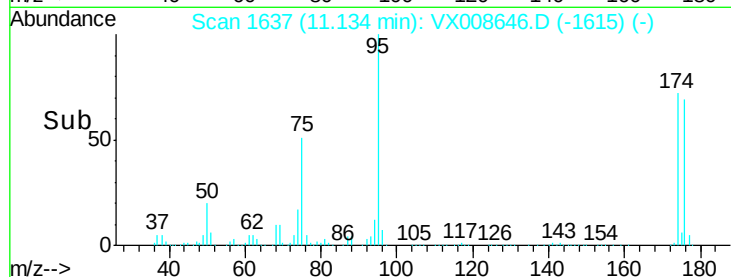
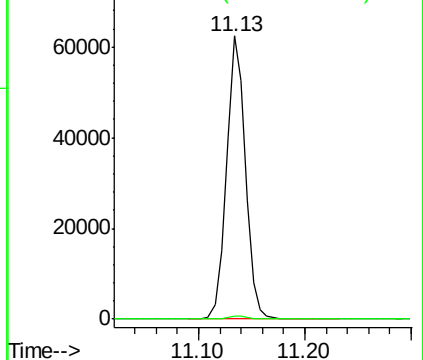
75 100

77 1.4 22.3 66.8#



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: 58.871 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008646.D

Acq: 04 Apr 2019 19:14

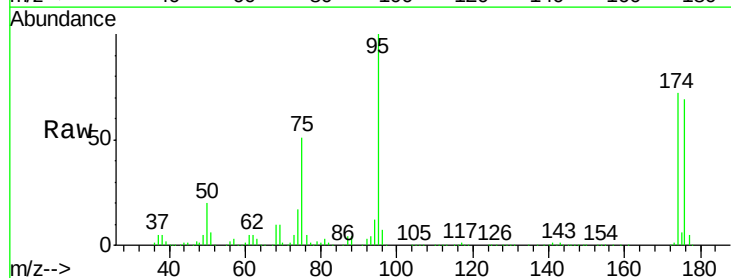
Tgt Ion: 75 Resp: 77475

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

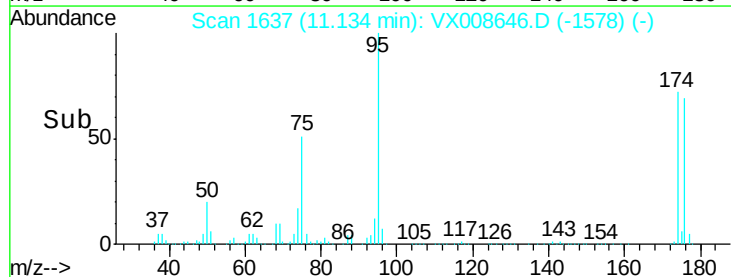
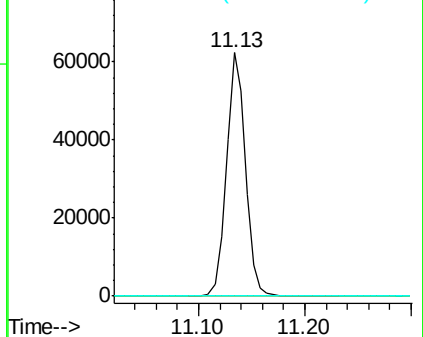
89 0.0 35.6 53.4#

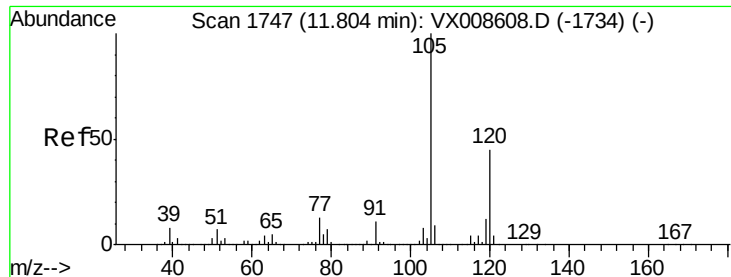


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

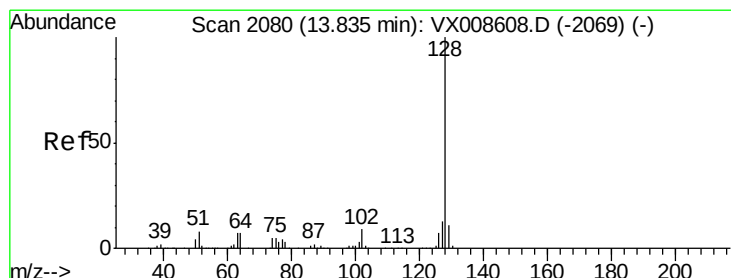
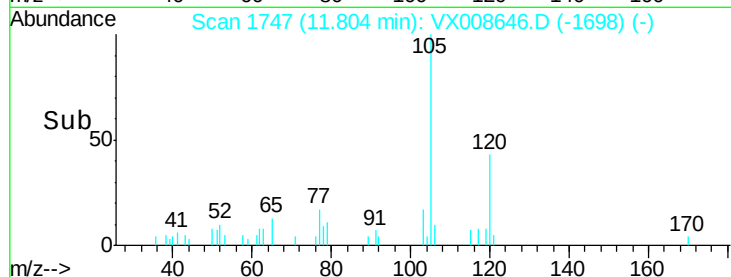
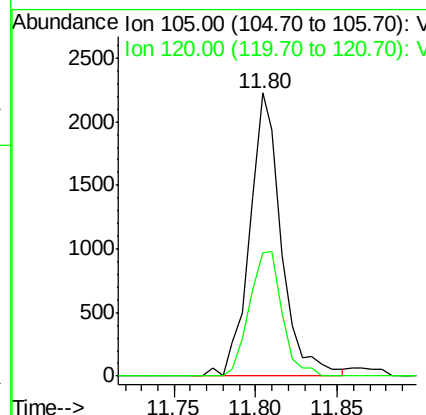
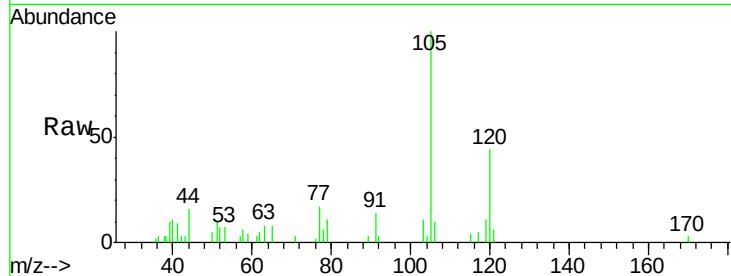




#84
 1,2,4-Trimethylbenzene
 Concen: 0.324 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008646.D
 Acq: 04 Apr 2019 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0710

Tgt Ion:105 Resp: 3011
 Ion Ratio Lower Upper
 105 100
 120 45.2 21.8 65.3



#95
 Naphthalene
 Concen: 0.377 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX008646.D
 Acq: 04 Apr 2019 19:14

Tgt Ion:128 Resp: 4102
 Ion Ratio Lower Upper
 128 100
 127 15.6 10.4 15.6
 129 12.6 8.6 13.0

