

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021819\
 Data File : VX007586.D
 Acq On : 18 Feb 2019 14:12
 Operator : JC/SP
 Sample : K1519-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 005-WL-1

Quant Time: Feb 19 04:11:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	490019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	762887	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	706193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	337465	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	268745	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
35) Dibromofluoromethane	5.51	113	250514	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	8.71	98	915706	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	11.13	95	317760	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	

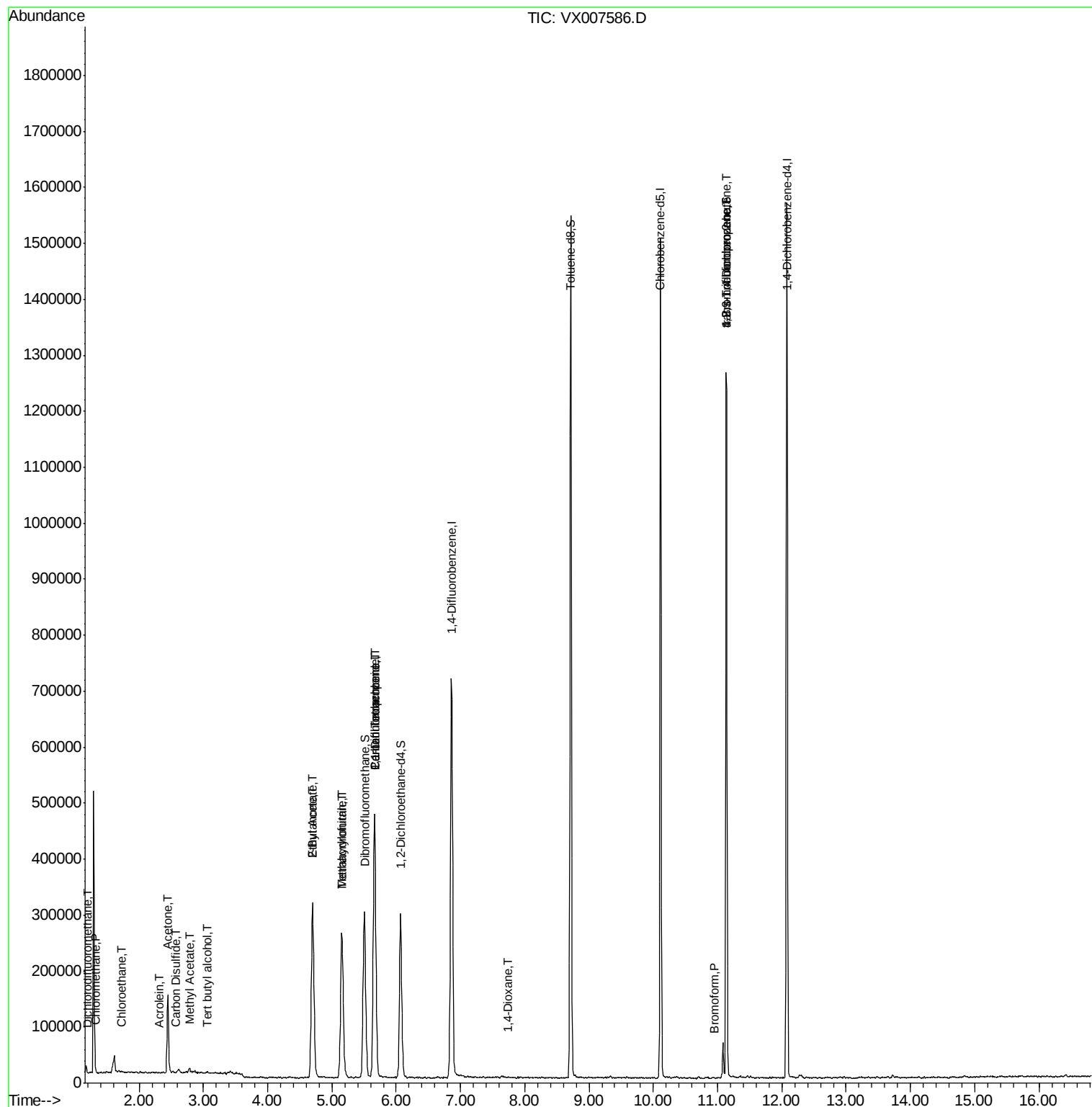
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	313	0.229	ug/l	81
3) Chloromethane	1.33	50	1817	0.329	ug/l #	80
5) Bromomethane	1.65	94	931	Below Cal	#	27
6) Chloroethane	1.73	64	1367	0.390	ug/l #	71
11) Tert butyl alcohol	3.07	59	1229	1.142	ug/l #	45
13) Acrolein	2.31	56	192	0.380	ug/l #	14
16) Acetone	2.45	43	149803	62.876	ug/l	96
17) Carbon Disulfide	2.57	76	2178	2.292	ug/l #	37
18) Methyl Acetate	2.78	43	10792	2.311	ug/l	99
20) Methylene Chloride	2.85	84	1303	Below Cal	#	48
25) 2-Butanone	4.70	43	553154	163.143	ug/l	99
29) Tetrahydrofuran	5.15	42	234473	109.954	ug/l	99
36) 1,1-Dichloropropene	5.66	75	31736	4.636	ug/l #	49
37) Ethyl Acetate	4.70	43	553154	79.943	ug/l #	68
38) Carbon Tetrachloride	5.67	117	44813	6.748	ug/l #	15
41) Methacrylonitrile	5.15	41	129614	34.951	ug/l #	44
49) 1,4-Dioxane	7.74	88	28	7.108	ug/l #	25
71) Bromoform	10.95	173	85	4.047	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	156947	23.910	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	156947	71.882	ug/l #	9

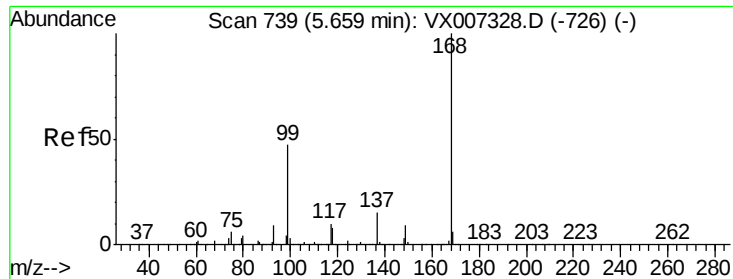
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX021819\
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Quant Time: Feb 19 04:11:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

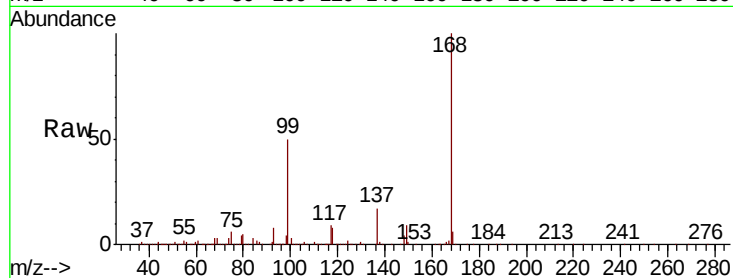
005-WL-1

Tgt Ion:168 Resp: 490019

Ion Ratio Lower Upper

168 100

99 50.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

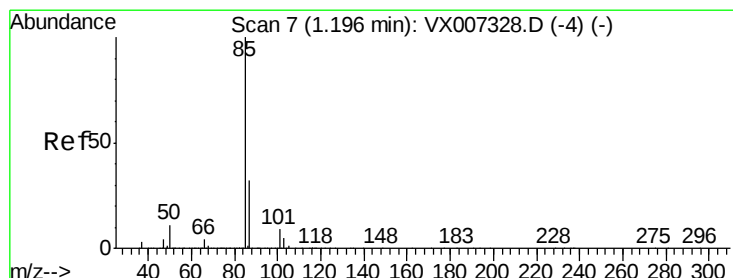
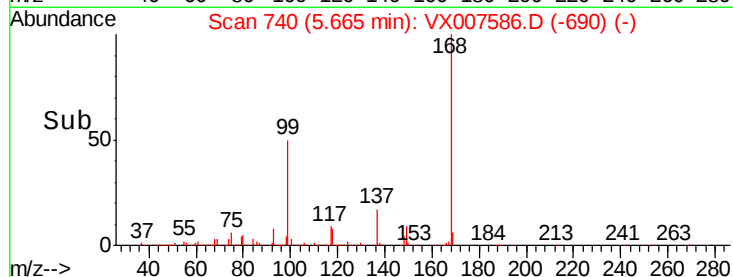
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.229 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007586.D

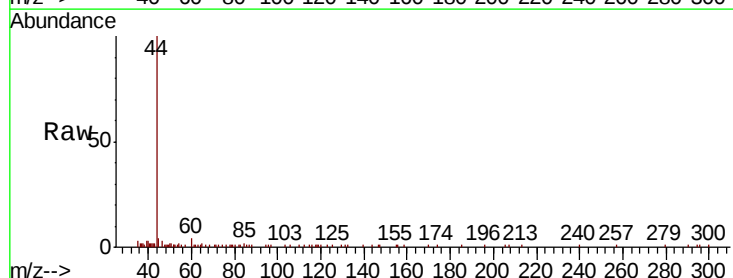
Acq: 18 Feb 2019 14:12

Tgt Ion: 85 Resp: 313

Ion Ratio Lower Upper

85 100

87 42.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

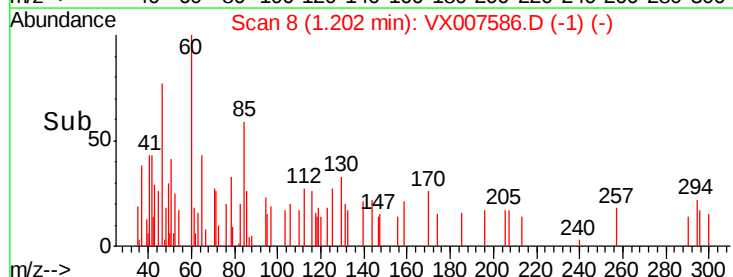
200

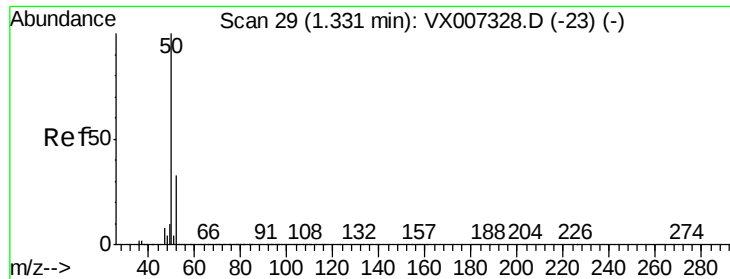
100

0

1.18 1.20 1.22 1.24

Time-->





#3

Chloromethane

Concen: 0.329 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

Instrument :

MSVOA_X

ClientSampled :

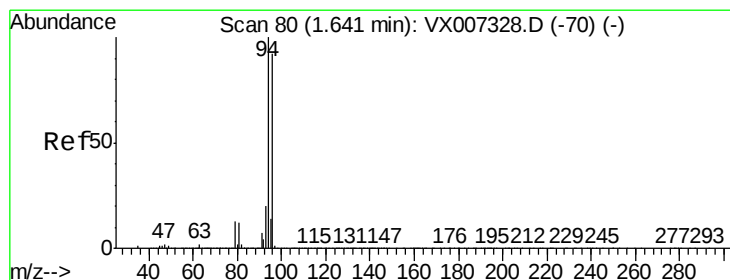
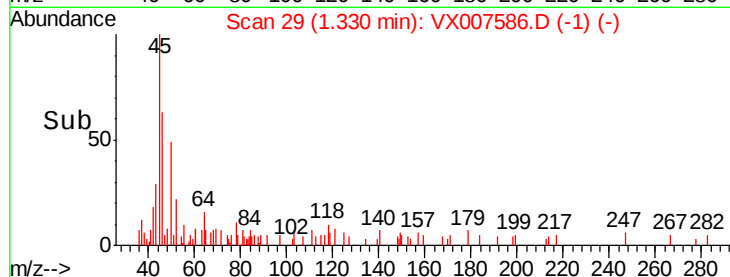
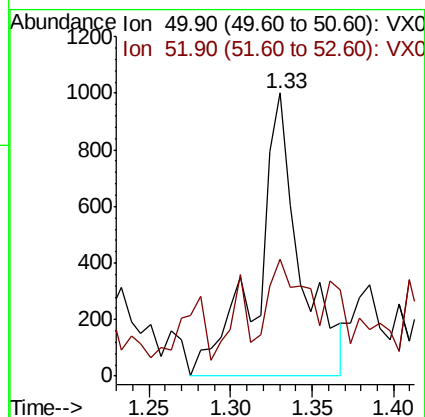
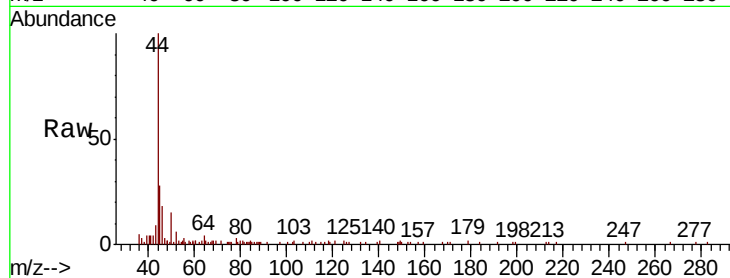
005-WL-1

Tgt Ion: 50 Resp: 1817

Ion Ratio Lower Upper

50 100

52 21.4 26.1 39.1#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007586.D

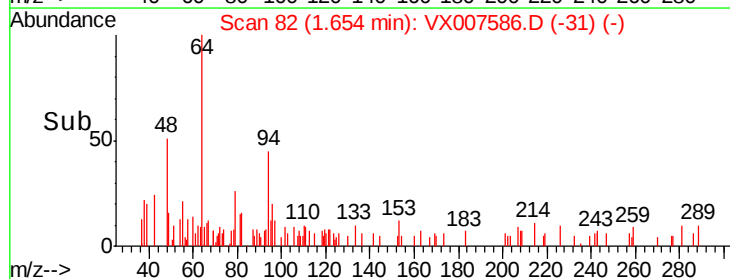
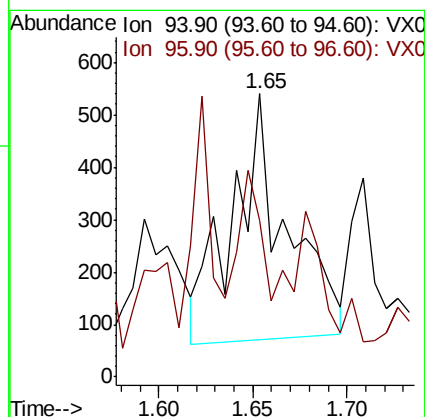
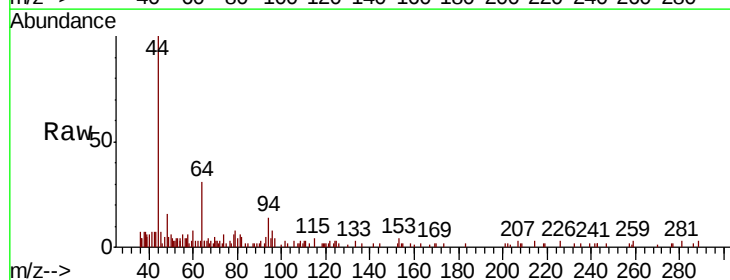
Acq: 18 Feb 2019 14:12

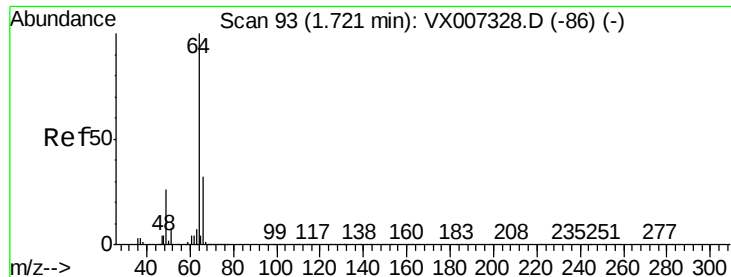
Tgt Ion: 94 Resp: 931

Ion Ratio Lower Upper

94 100

96 22.9 73.9 110.9#





#6

Chloroethane

Concen: 0.390 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

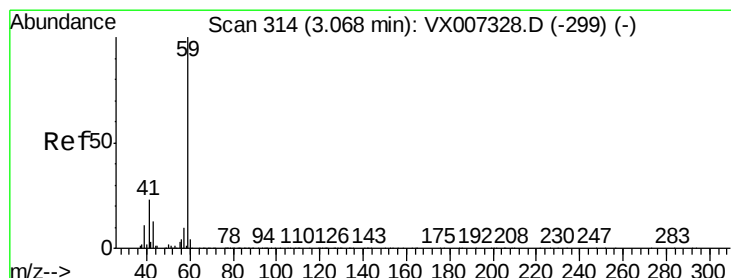
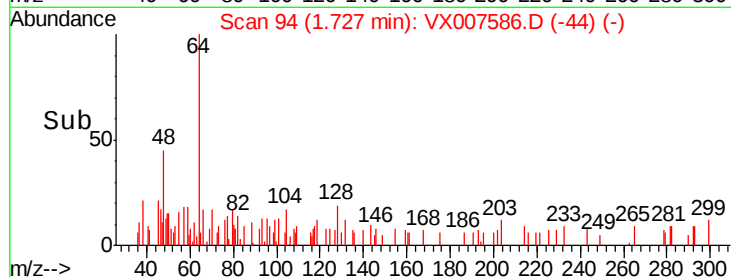
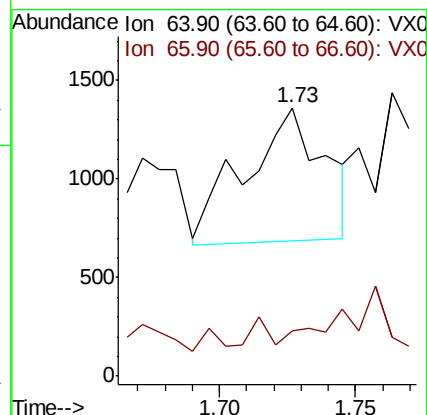
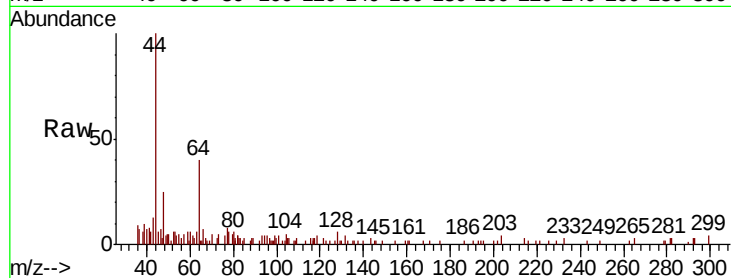
005-WL-1

Tgt Ion: 64 Resp: 1367

Ion Ratio Lower Upper

64 100

66 15.5 25.5 38.3#



#11

Tert butyl alcohol

Concen: 1.142 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.00 min

Lab File: VX007586.D

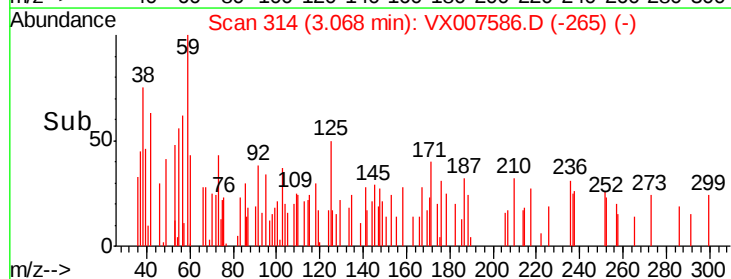
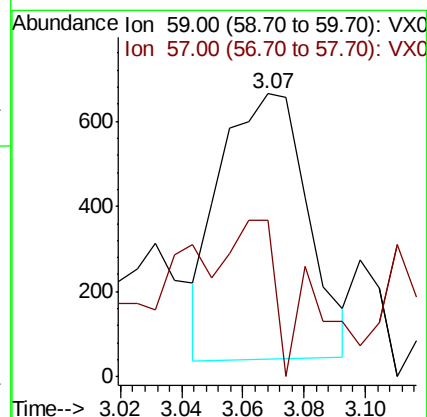
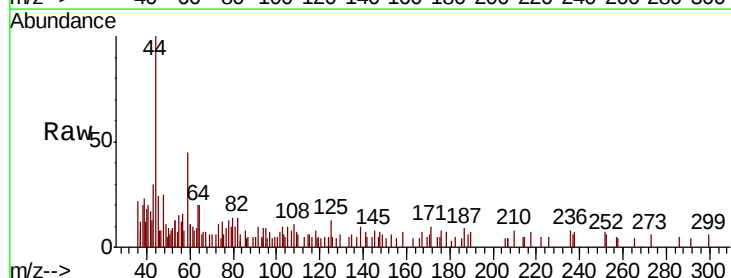
Acq: 18 Feb 2019 14:12

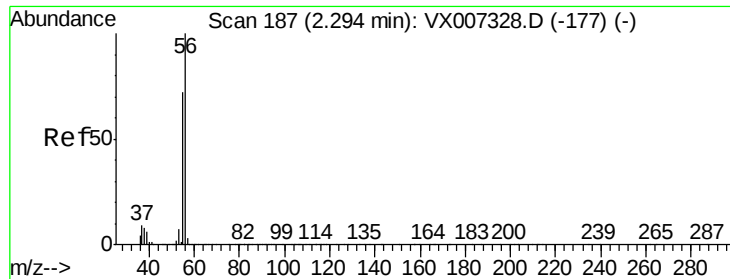
Tgt Ion: 59 Resp: 1229

Ion Ratio Lower Upper

59 100

57 30.4 8.1 12.1#

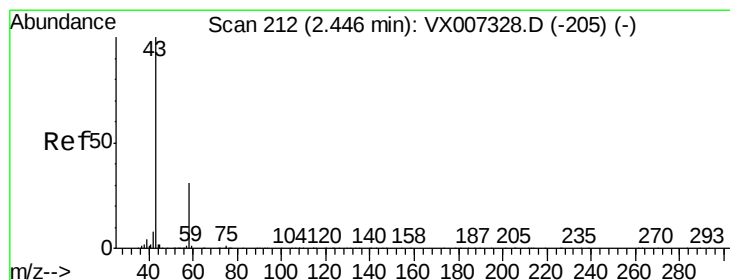
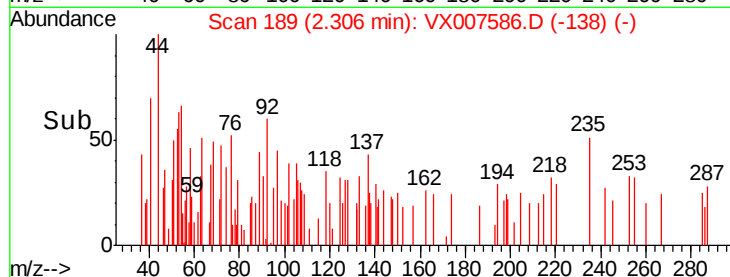
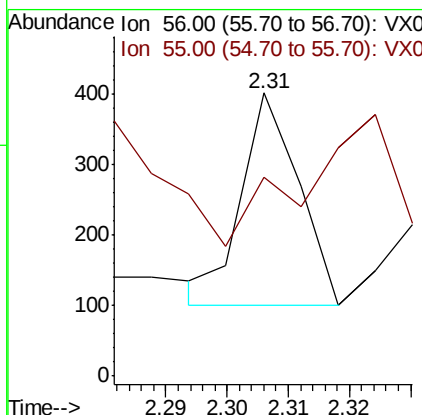
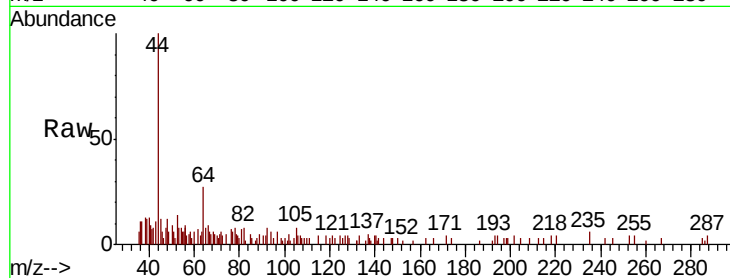




#13
Acrolein
Concen: 0.380 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX007586.D
Acq: 18 Feb 2019 14:12

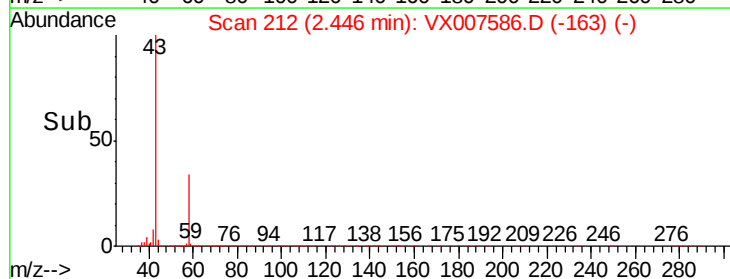
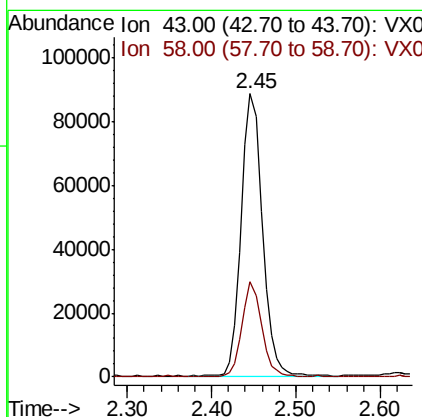
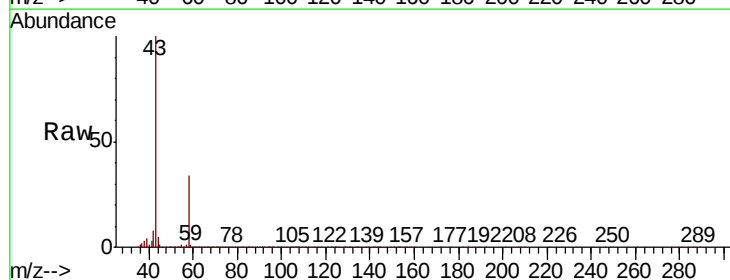
Instrument :
MSVOA_X
ClientSampled :
005-WL-1

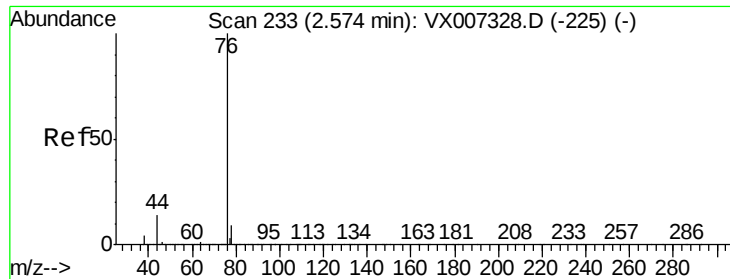
Tgt Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#16
Acetone
Concen: 62.876 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007586.D
Acq: 18 Feb 2019 14:12

Tgt Ion: 43 Resp: 149803
Ion Ratio Lower Upper
43 100
58 33.5 24.9 37.3





#17

Carbon Disulfide

Concen: 2.292 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

Instrument :

MSVOA_X

ClientSampled :

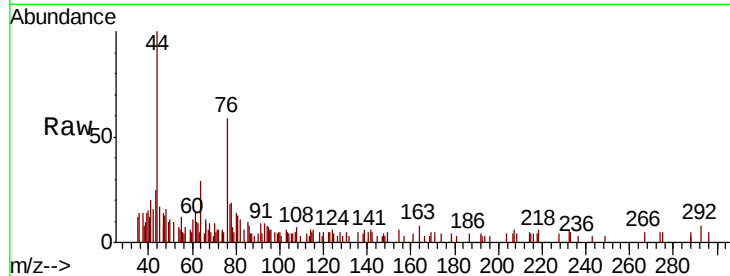
005-WL-1

Tgt Ion: 76 Resp: 2178

Ion Ratio Lower Upper

76 100

78 31.8 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

1200

1000

800

600

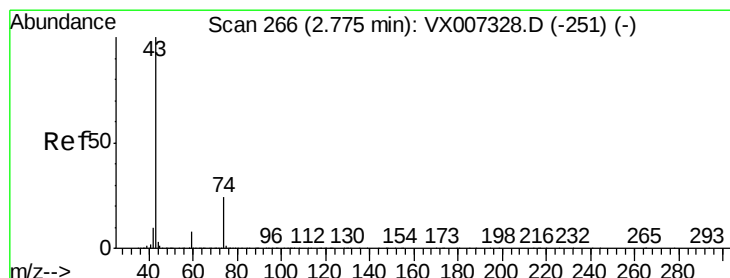
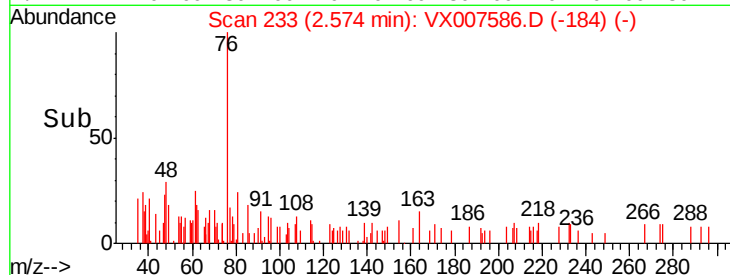
400

200

0

Time-->

2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 2.311 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007586.D

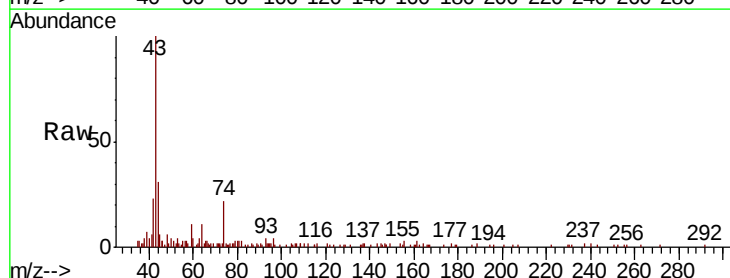
Acq: 18 Feb 2019 14:12

Tgt Ion: 43 Resp: 10792

Ion Ratio Lower Upper

43 100

74 24.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

6000

5000

4000

3000

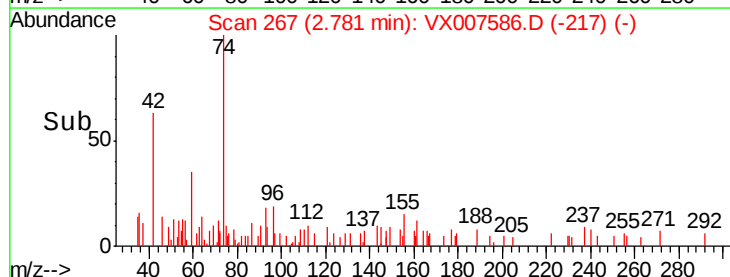
2000

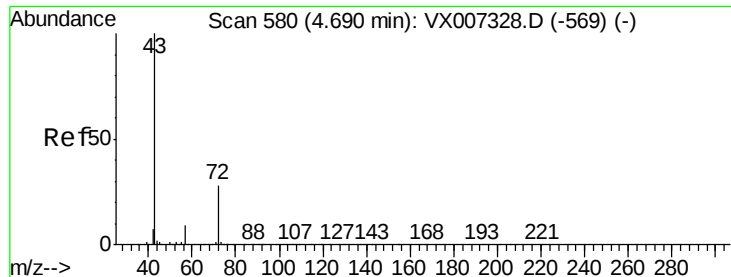
1000

0

Time-->

2.70 2.75 2.80 2.85





#25

2-Butanone

Concen: 163.143 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

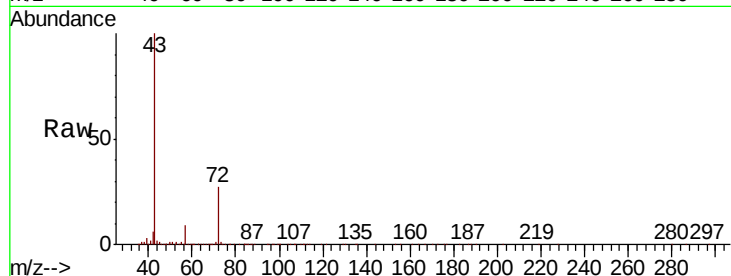
005-WL-1

Tgt Ion: 43 Resp: 553154

Ion Ratio Lower Upper

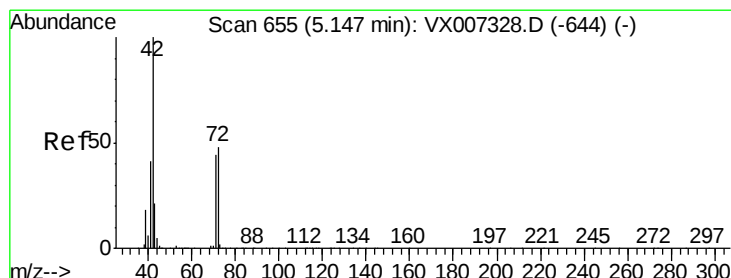
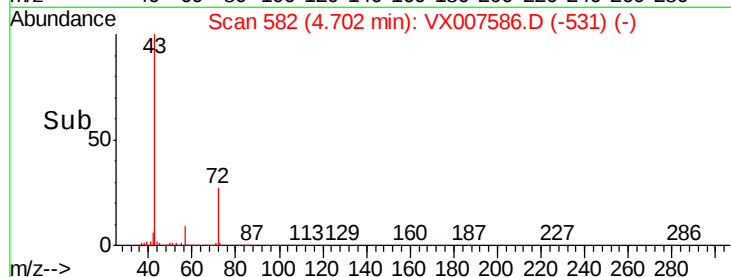
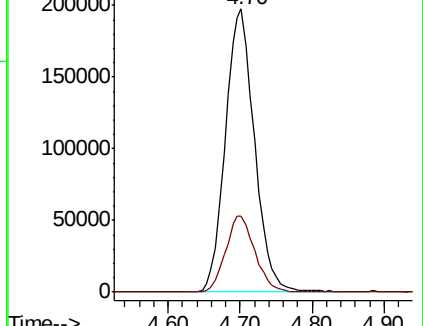
43 100

72 27.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 109.954 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

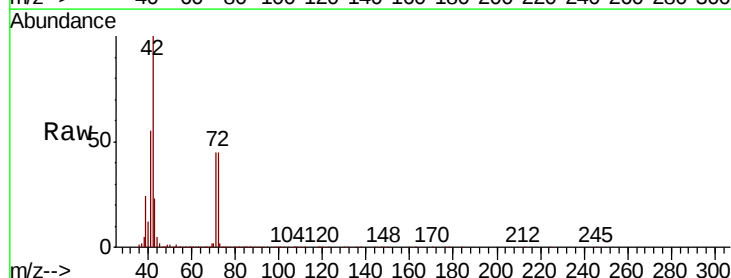
Tgt Ion: 42 Resp: 234473

Ion Ratio Lower Upper

42 100

72 46.1 37.6 56.4

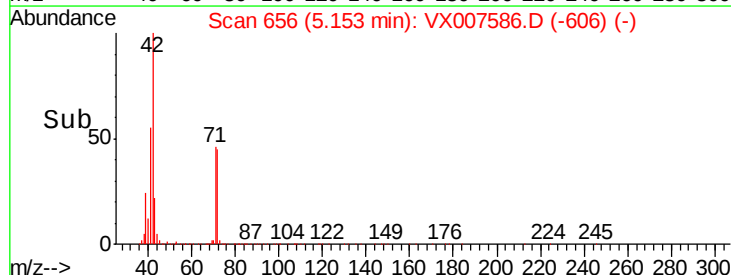
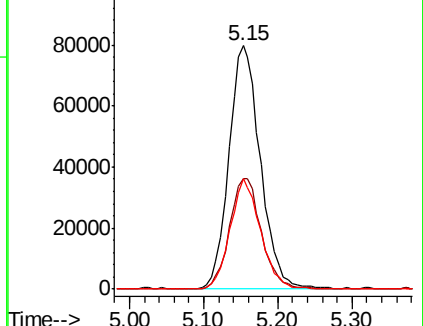
71 43.8 34.6 51.8

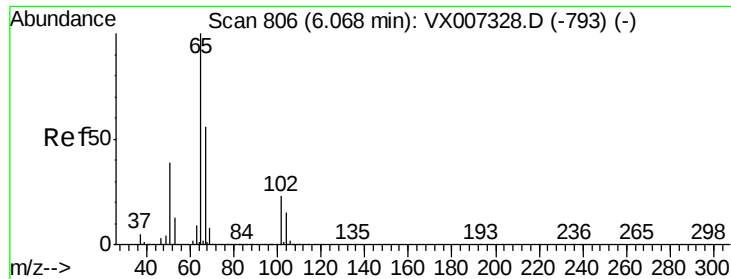


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.670 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

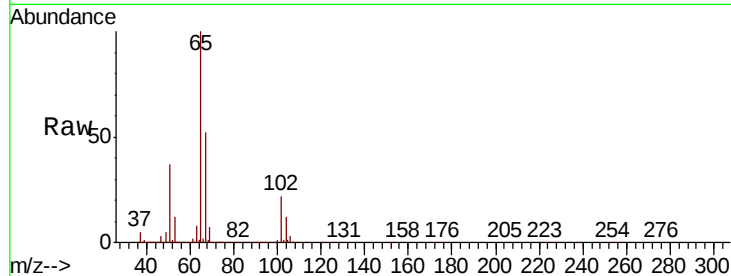
005-WL-1

Tgt Ion: 65 Resp: 268745

Ion Ratio Lower Upper

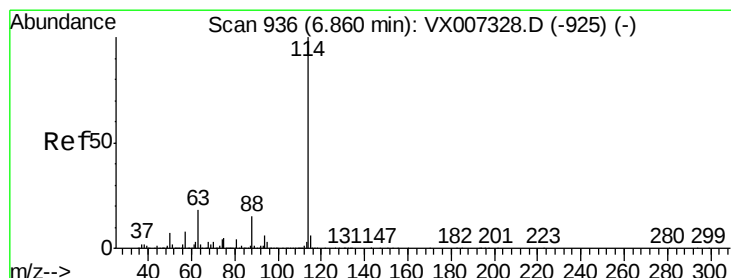
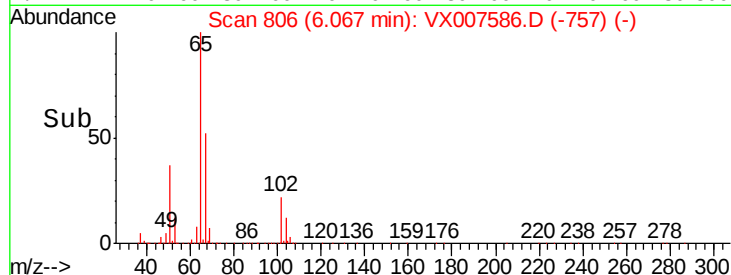
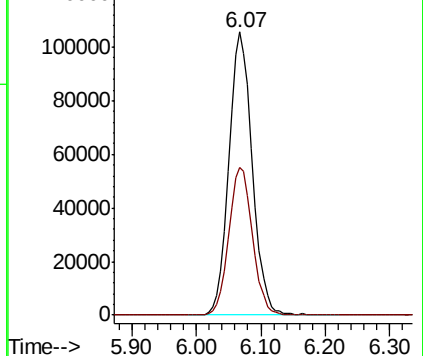
65 100

67 52.9 0.0 108.8



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: VX007586.D

Acq: 18 Feb 2019 14:12

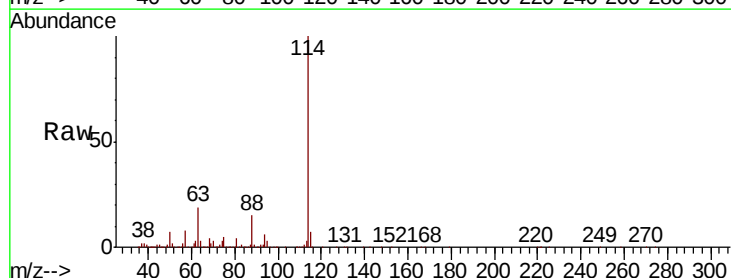
Tgt Ion: 114 Resp: 762887

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.6

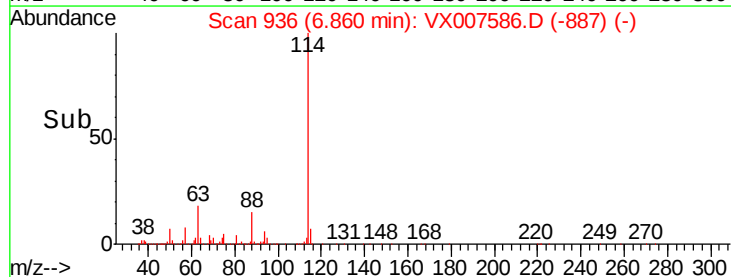
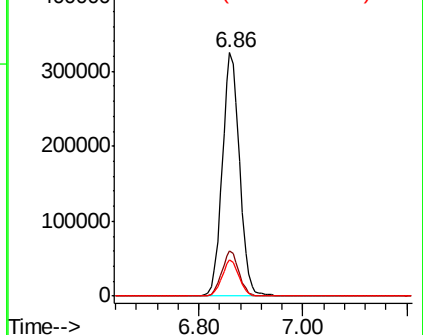
88 14.6 0.0 29.6

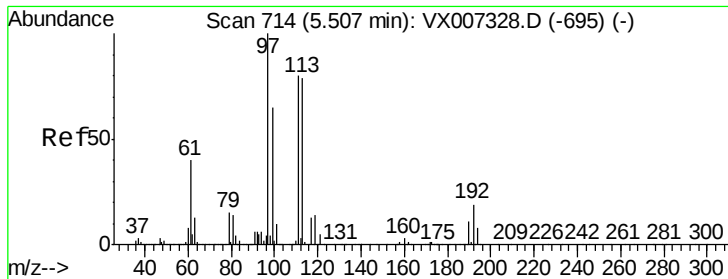


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.468 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

005-WL-1

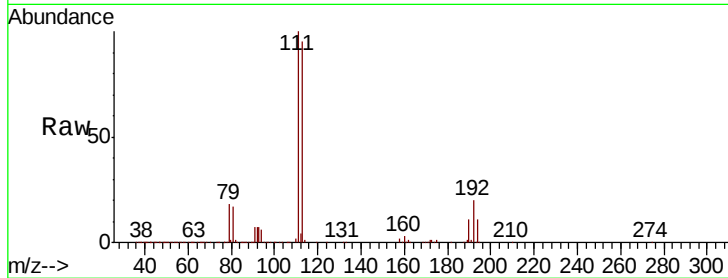
Tgt Ion:113 Resp: 250514

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

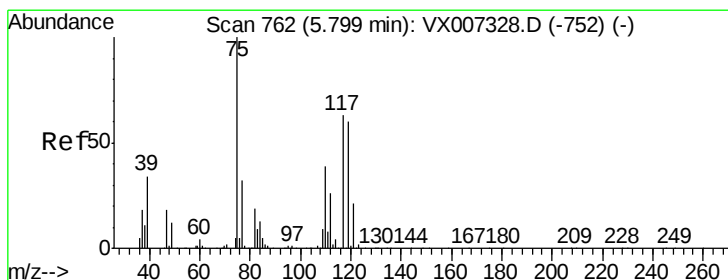
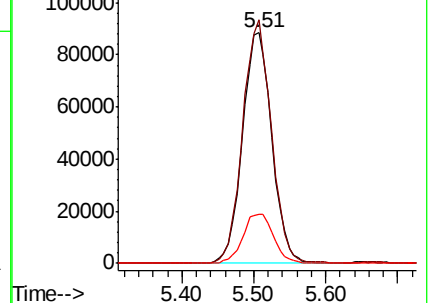
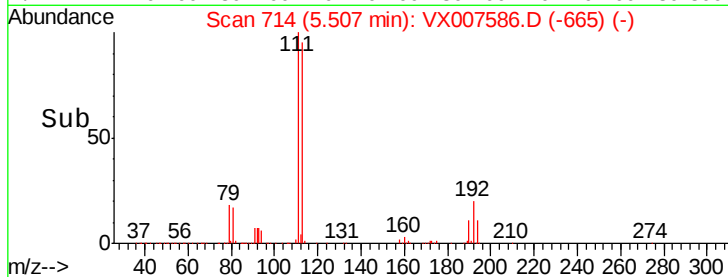
192 22.2 18.5 27.7



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: 4.636 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

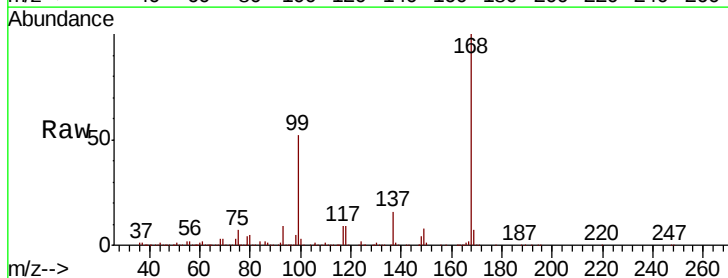
Tgt Ion: 75 Resp: 31736

Ion Ratio Lower Upper

75 100

110 10.6 20.0 59.9#

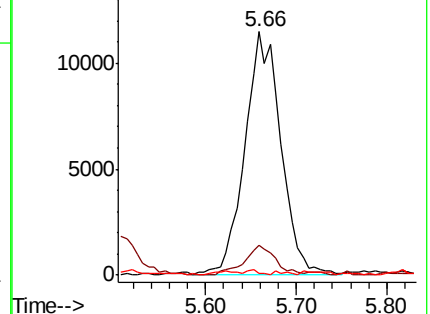
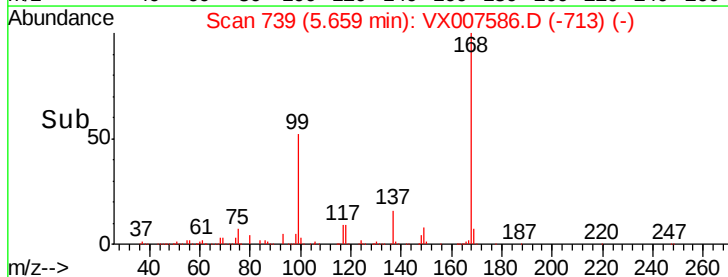
77 0.7 24.7 37.1#

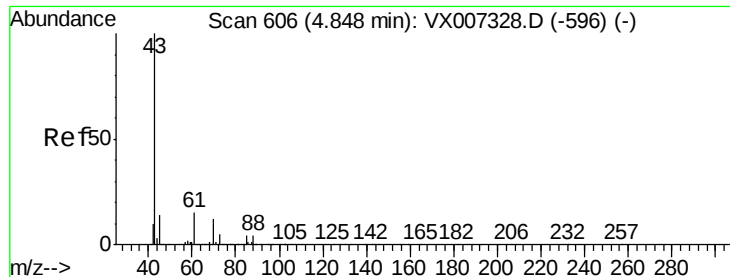


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

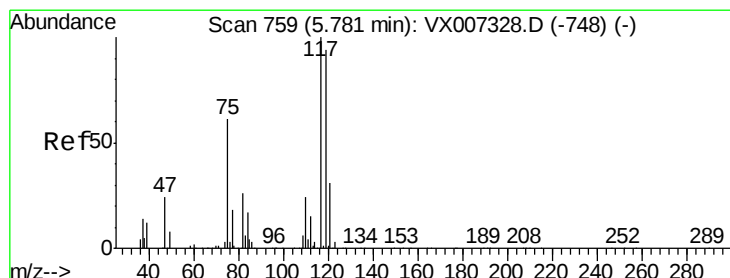
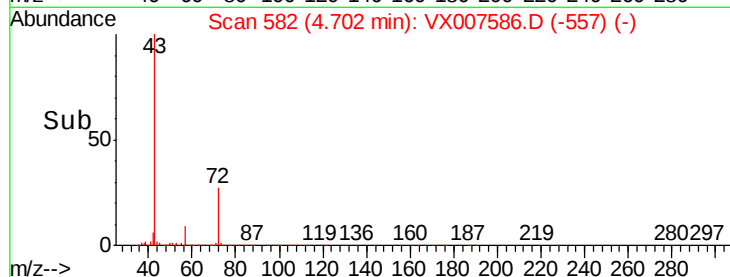
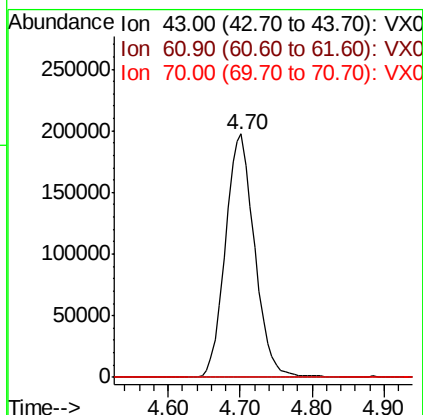
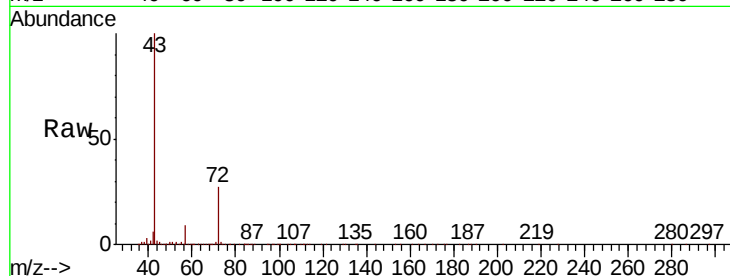




#37
Ethyl Acetate
Concen: 79.943 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.15 min
Lab File: VX007586.D
Acq: 18 Feb 2019 14:12

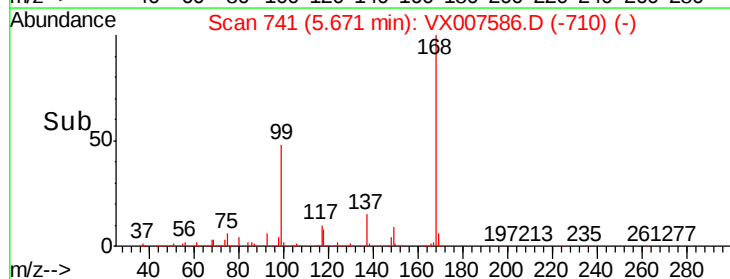
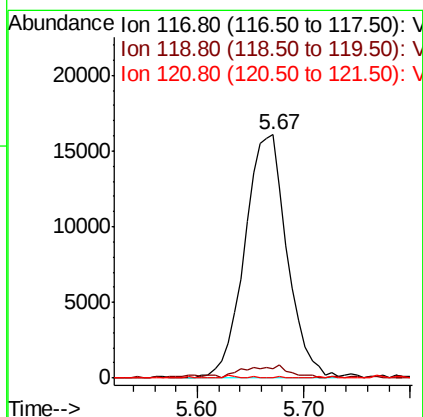
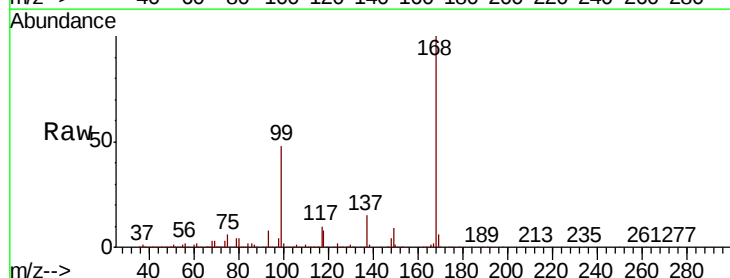
Instrument :
MSVOA_X
ClientSampled :
005-WL-1

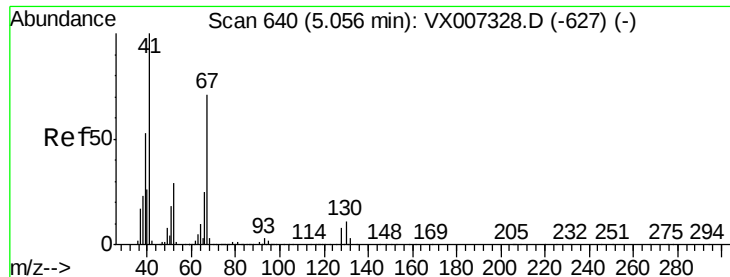
Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.3	8.6	13.0#



#38
Carbon Tetrachloride
Concen: 6.748 ug/l
RT: 5.67 min Scan# 741
Delta R.T. -0.11 min
Lab File: VX007586.D
Acq: 18 Feb 2019 14:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.0	75.3	112.9#
121	0.0	25.0	37.4#





#41

Methacrylonitrile

Concen: 34.951 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.10 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

005-WL-1

Tgt Ion: 41 Resp: 129614

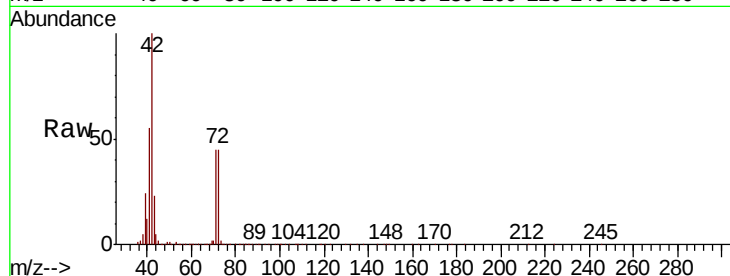
Ion Ratio Lower Upper

41 100

39 46.5 44.5 66.7

67 0.4 60.4 90.6#

52 0.1 24.1 36.1#



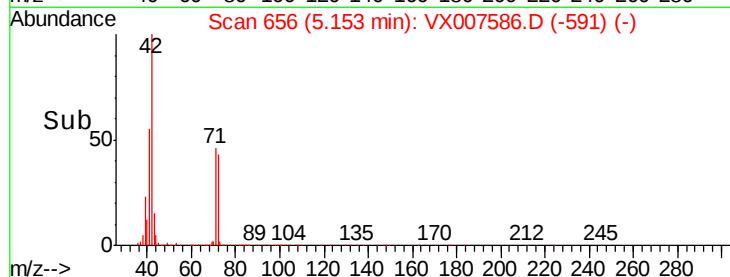
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

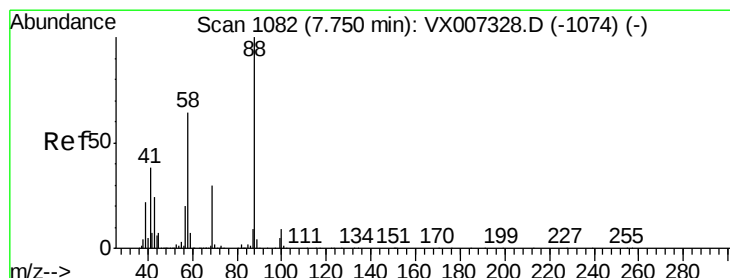
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Time-->



Time-->



#49

1,4-Dioxane

Concen: 7.108 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

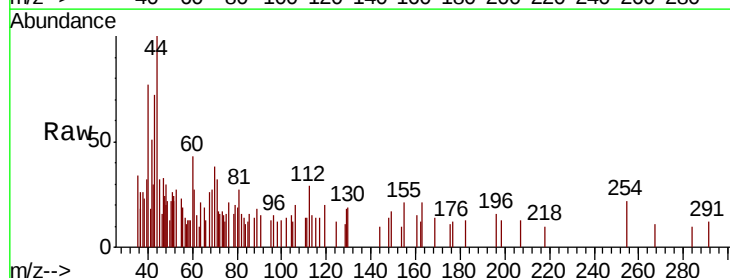
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

58 0.0 53.0 79.4#

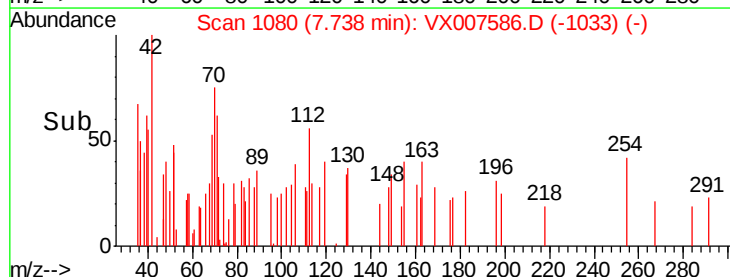


Abundance Ion 88.00 (87.70 to 88.70): VX0

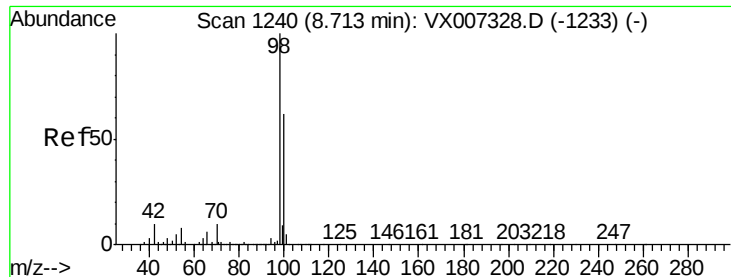
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->



Time-->



#50

Toluene-d8

Concen: 49.722 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

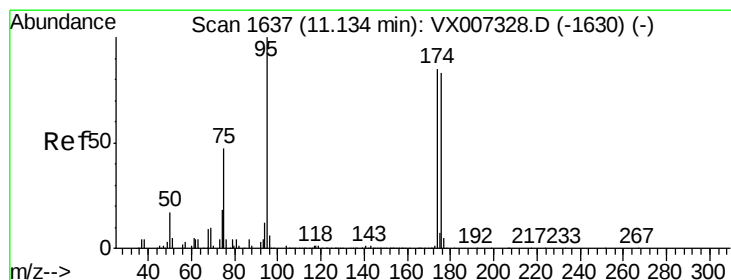
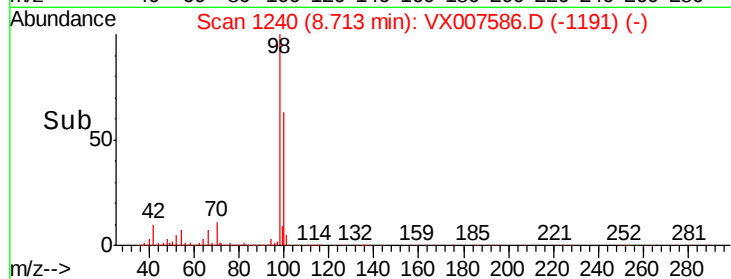
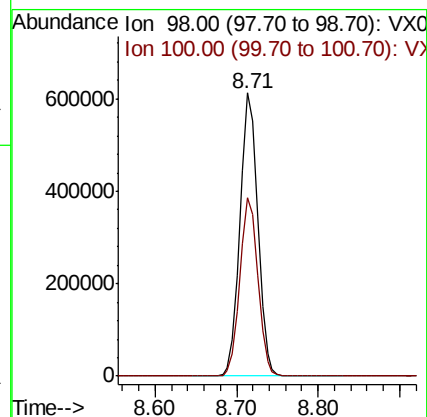
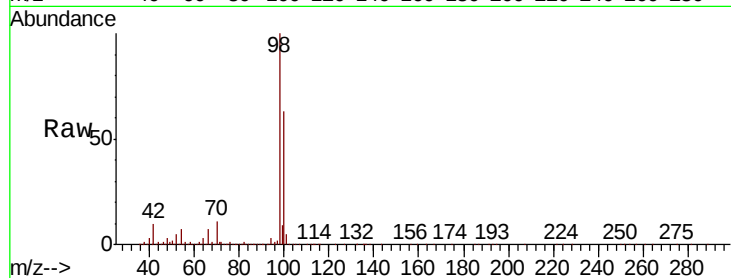
005-WL-1

Tgt Ion: 98 Resp: 915706

Ion Ratio Lower Upper

98 100

100 63.4 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 47.258 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

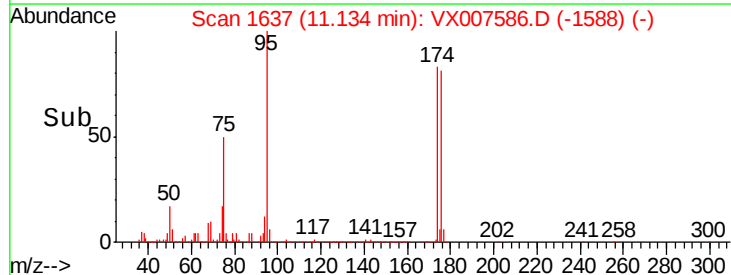
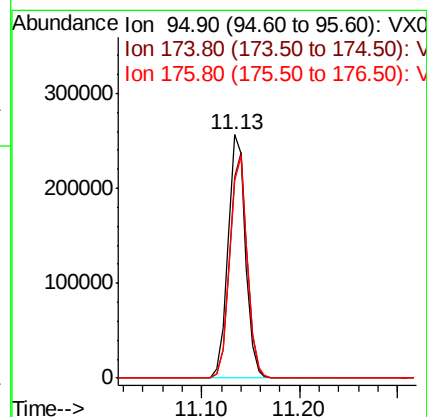
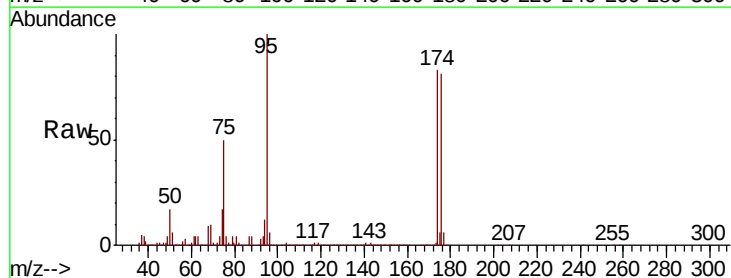
Tgt Ion: 95 Resp: 317760

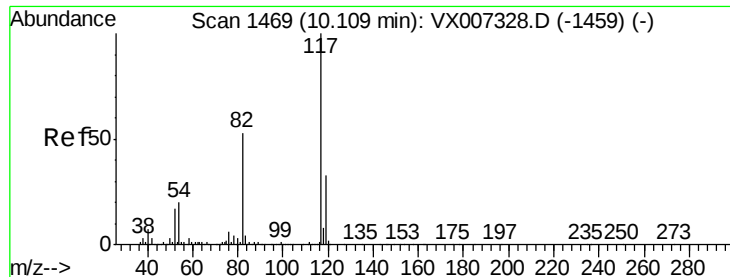
Ion Ratio Lower Upper

95 100

174 91.8 0.0 189.2

176 90.5 0.0 186.2

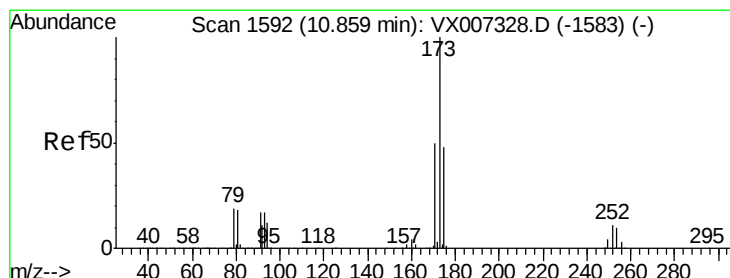
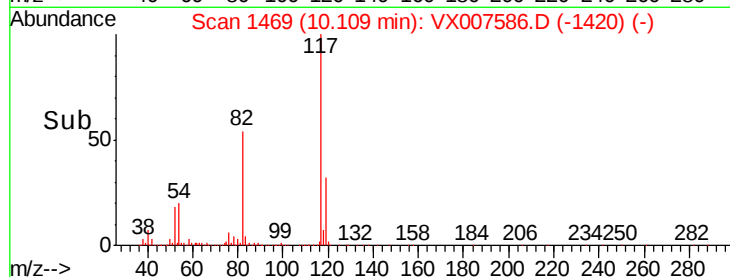
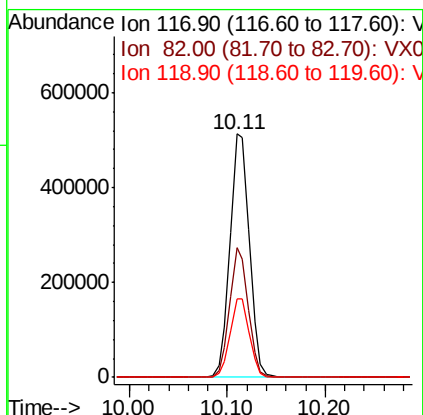
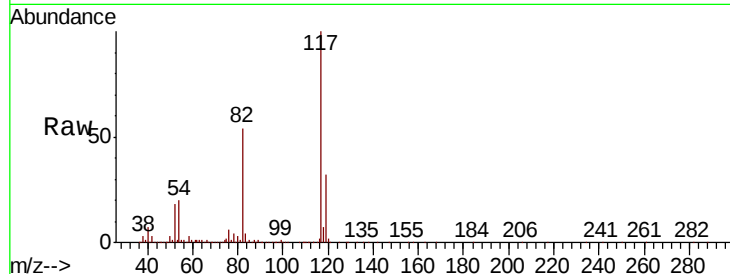




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007586.D
Acq: 18 Feb 2019 14:12

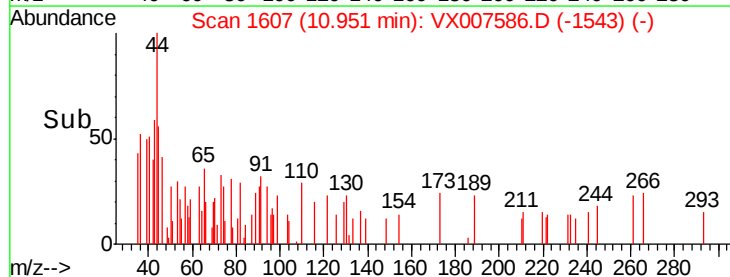
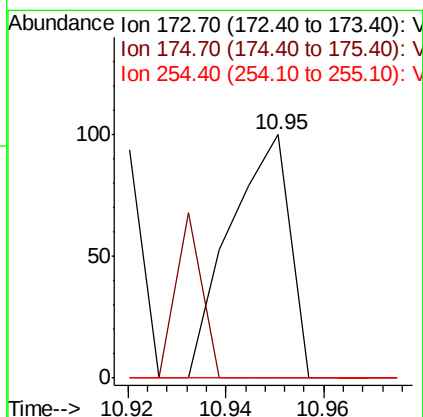
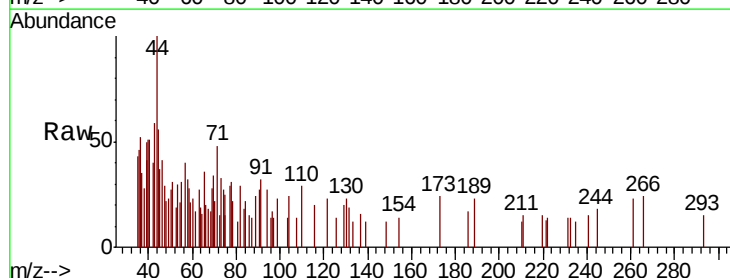
Instrument :
MSVOA_X
ClientSampleId :
005-WL-1

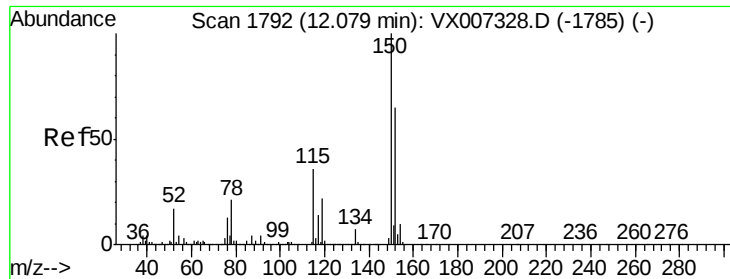
Tgt Ion:117 Resp: 706193
Ion Ratio Lower Upper
117 100
82 53.5 42.1 63.1
119 32.4 26.5 39.7



#71
Bromoform
Concen: 4.047 ug/l
RT: 10.95 min Scan# 1607
Delta R.T. 0.09 min
Lab File: VX007586.D
Acq: 18 Feb 2019 14:12

Tgt Ion:173 Resp: 85
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

Instrument :

MSVOA_X

ClientSampled :

005-WL-1

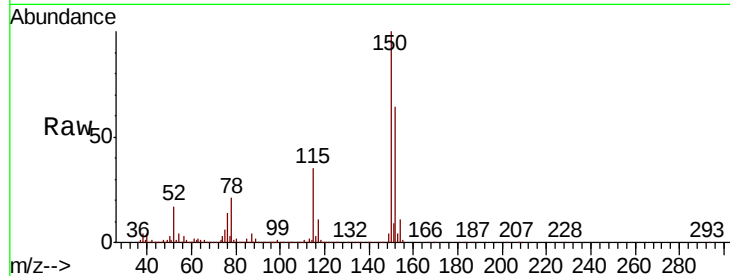
Tgt Ion: 152 Resp: 337465

Ion Ratio Lower Upper

152 100

115 55.2 38.0 114.0

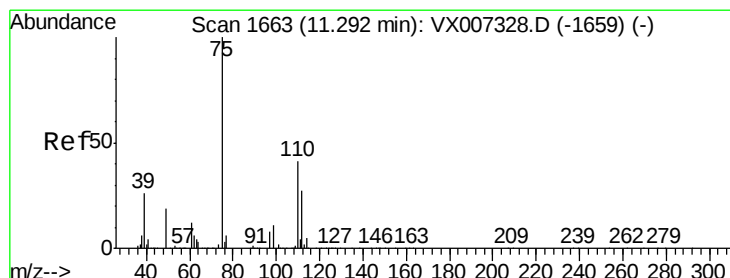
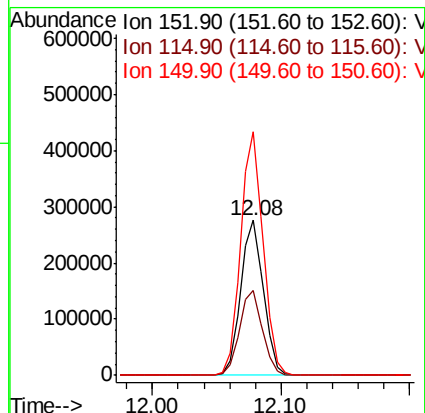
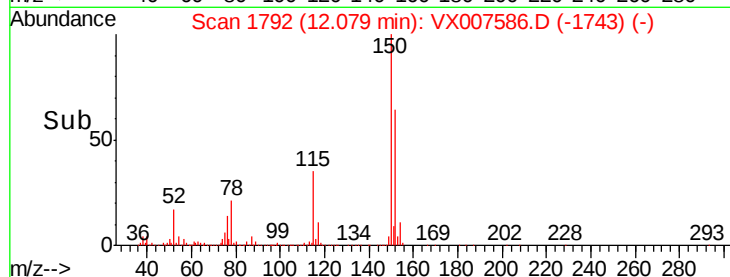
150 154.7 0.0 346.4



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: 23.910 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007586.D

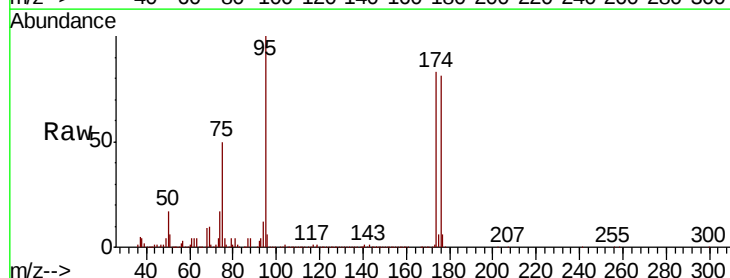
Acq: 18 Feb 2019 14:12

Tgt Ion: 75 Resp: 156947

Ion Ratio Lower Upper

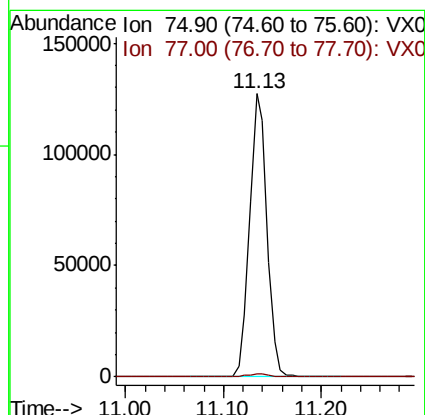
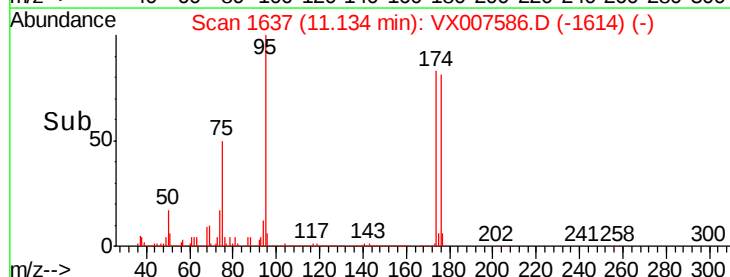
75 100

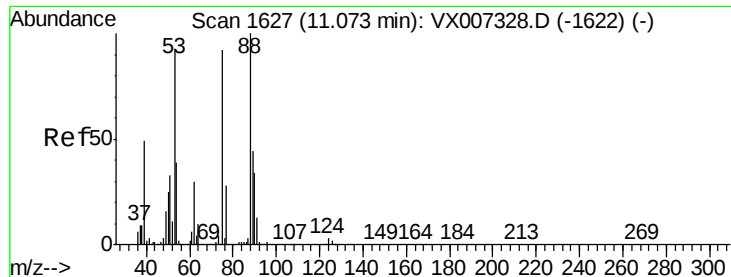
77 1.4 23.0 69.0#



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: 71.882 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007586.D

Acq: 18 Feb 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

005-WL-1

Tgt Ion: 75 Resp: 156947

Ion Ratio Lower Upper

75 100

53 0.3 81.0 121.6#

89 0.0 41.4 62.0#

