

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032919\
 Data File : VX008538.D
 Acq On : 29 Mar 2019 12:18
 Operator : JC/SP
 Sample : VX0329WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBL02

Quant Time: Mar 29 23:44:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	207211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	351036	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	298353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121747	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	145406	46.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.58%	
35) Dibromofluoromethane	5.49	113	106872	46.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.38%	
50) Toluene-d8	8.71	98	437843	47.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.68%	
62) 4-Bromofluorobenzene	11.13	95	144211	42.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.04%	

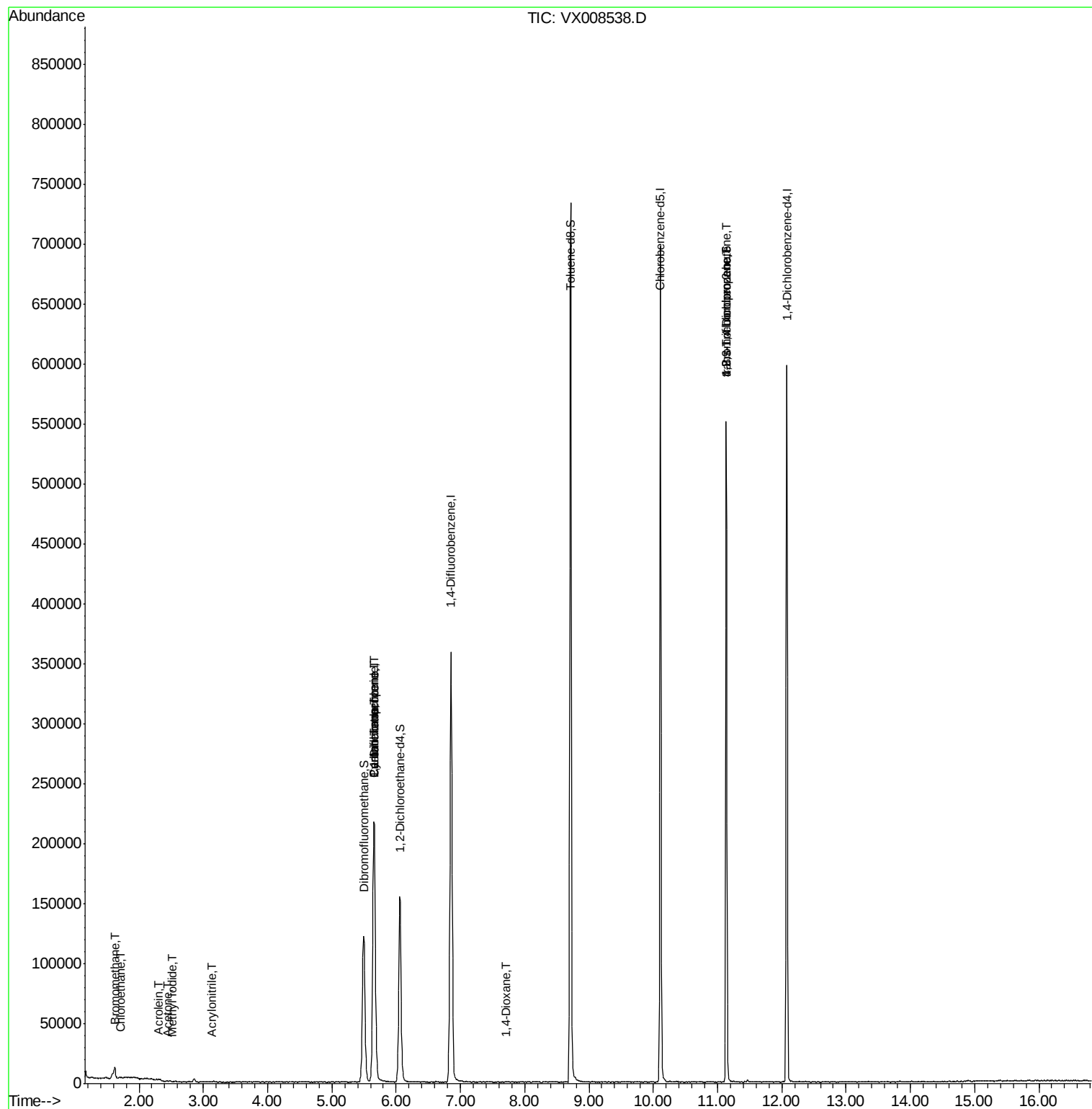
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	448	Below Cal		99
5) Bromomethane	1.64	94	512	2.084	ug/l	99
6) Chloroethane	1.71	64	1392	0.689	ug/l #	43
10) Methyl Iodide	2.52	142	117	4.176	ug/l #	88
13) Acrolein	2.29	56	206	0.408	ug/l	92
15) Acrylonitrile	3.13	53	368	0.202	ug/l #	42
16) Acetone	2.44	43	526	0.320	ug/l #	41
17) Carbon Disulfide	2.56	76	999	Below Cal	#	74
20) Methylene Chloride	2.85	84	1195	Below Cal	#	91
21) trans-1,2-Dichloroethene	3.15	96	87	Below Cal	#	53
31) Cyclohexane	5.66	56	5252	1.043	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	17216	4.600	ug/l #	51
38) Carbon Tetrachloride	5.66	117	20284	6.494	ug/l #	15
49) 1,4-Dioxane	7.72	88	20	0.259	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	73616	20.339	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	73616	65.143	ug/l #	9

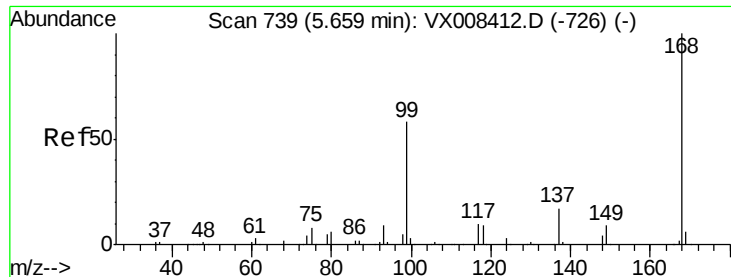
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 26 07:57:20 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX008538.D

Acq: 29 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

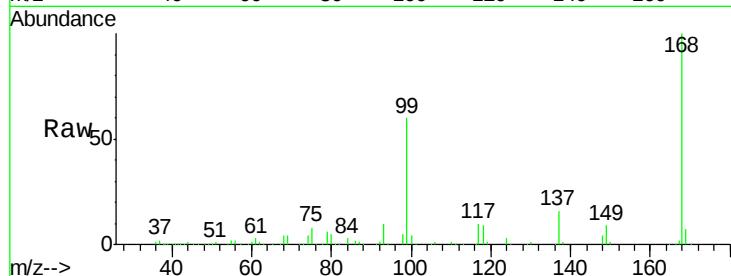
VX0329WBL02

Tgt Ion:168 Resp: 207211

Ion Ratio Lower Upper

168 100

99 60.3 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

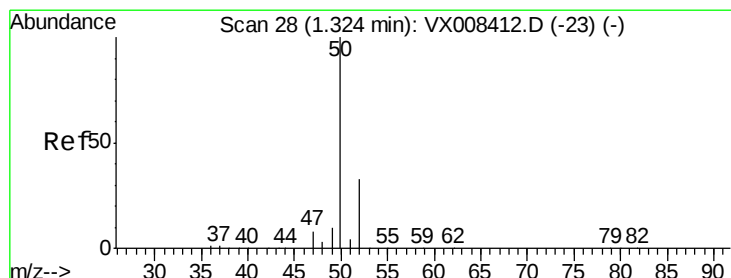
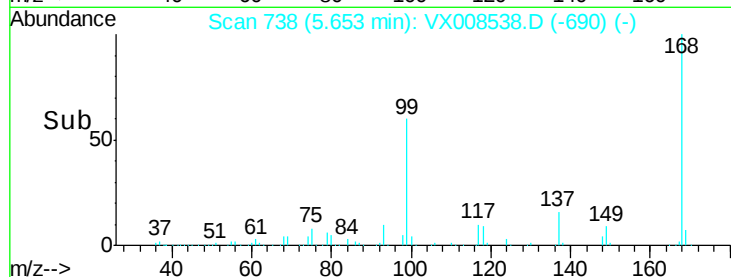
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008538.D

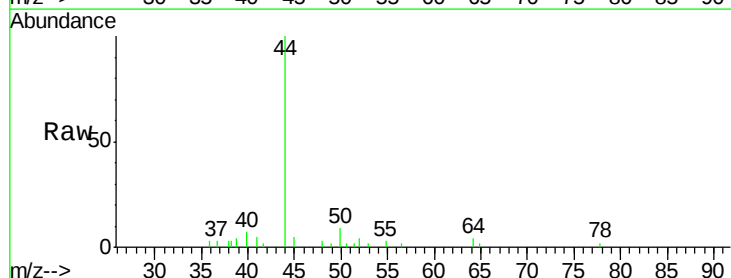
Acq: 29 Mar 2019 12:18

Tgt Ion: 50 Resp: 448

Ion Ratio Lower Upper

50 100

52 31.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

250

200

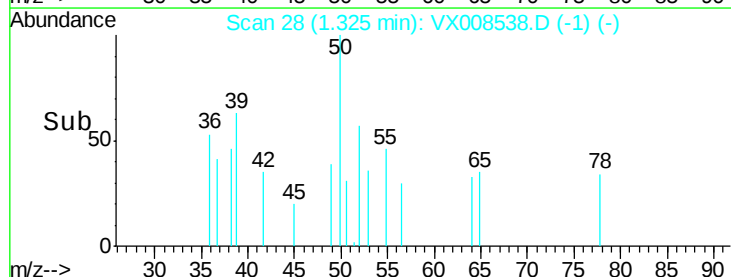
150

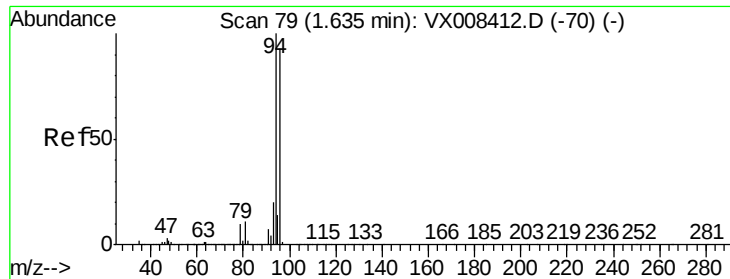
100

50

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 2.084 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008538.D

Acq: 29 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

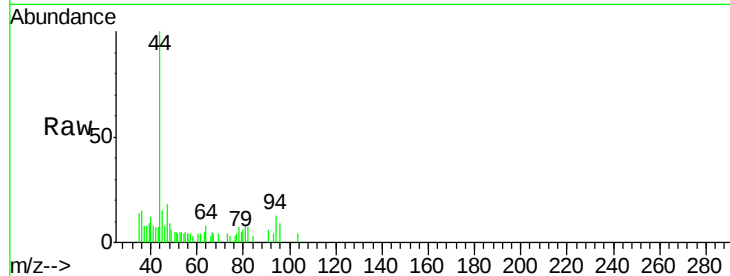
VX0329WBL02

Tgt Ion: 94 Resp: 512

Ion Ratio Lower Upper

94 100

96 94.5 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

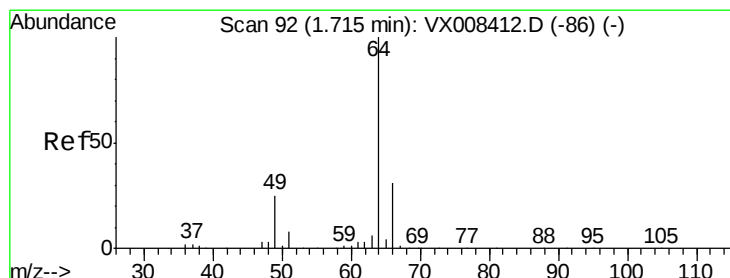
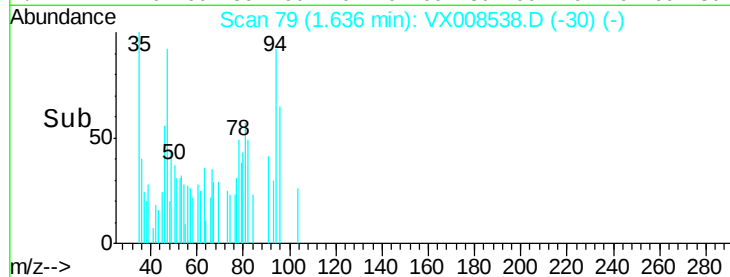
100

50

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 0.689 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008538.D

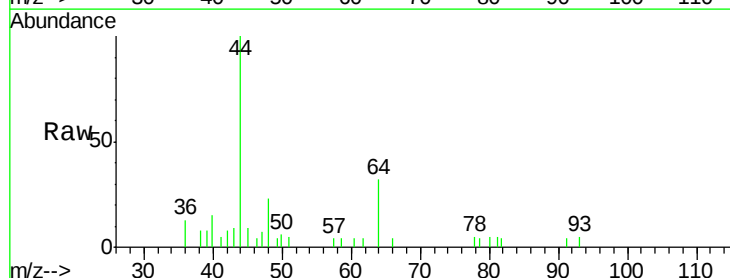
Acq: 29 Mar 2019 12:18

Tgt Ion: 64 Resp: 1392

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

600

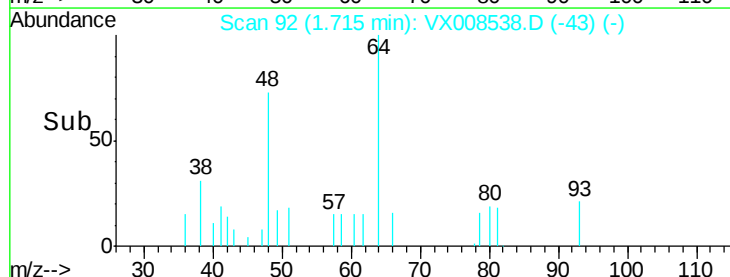
400

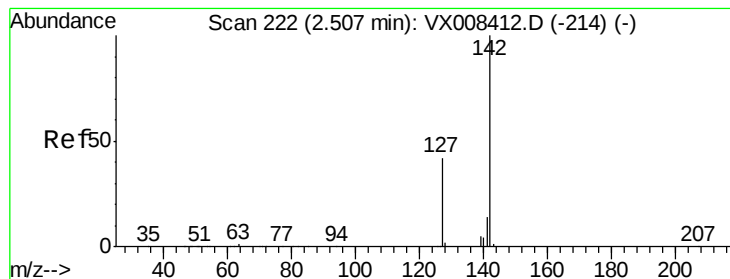
200

0

1.65 1.70

Time-->





#10

Methyl Iodide

Concen: 4.176 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX008538.D

Acq: 29 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBL02

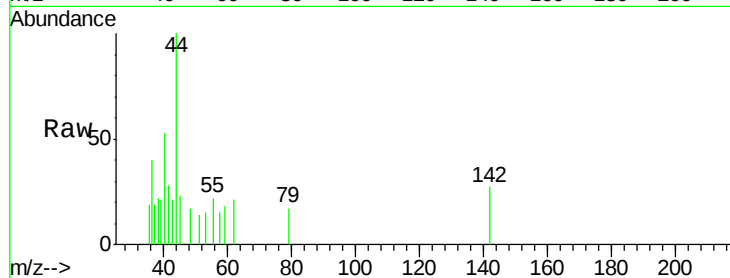
Tgt Ion:142 Resp: 117

Ion Ratio Lower Upper

142 100

127 39.3 33.6 50.4

141 0.0 11.3 16.9#



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

120

100

80

60

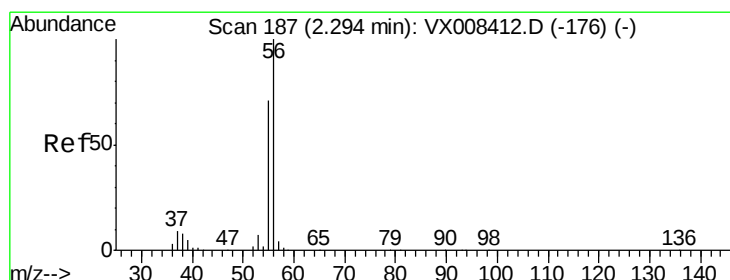
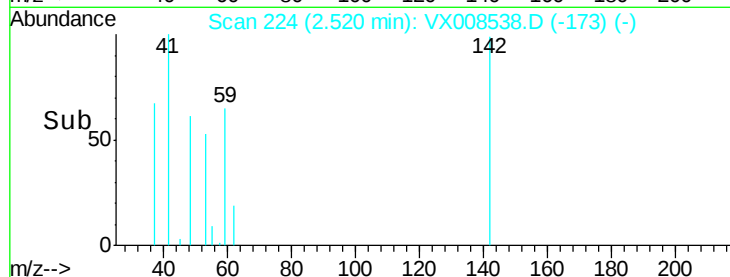
40

20

0

2.48 2.50 2.52 2.54

Time-->



#13

Acrolein

Concen: 0.408 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008538.D

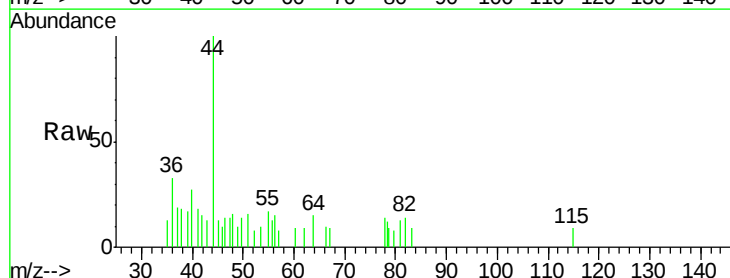
Acq: 29 Mar 2019 12:18

Tgt Ion: 56 Resp: 206

Ion Ratio Lower Upper

56 100

55 77.2 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

150

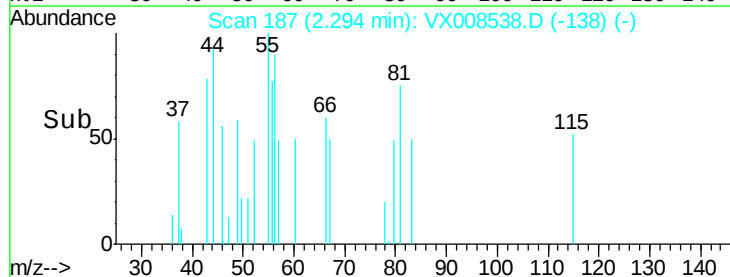
100

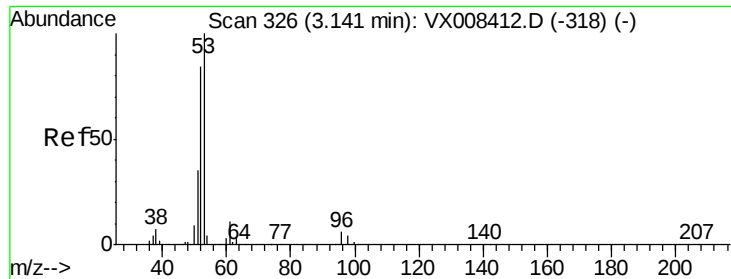
50

0

2.26 2.28 2.30

Time-->





#15

Acrylonitrile

Concen: 0.202 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX008538.D

Acq: 29 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBL02

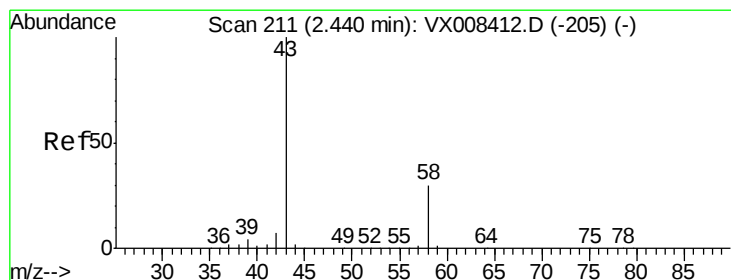
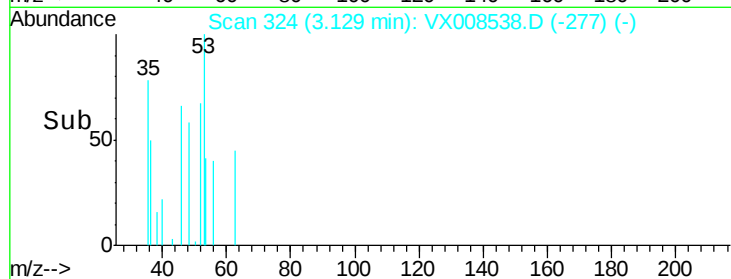
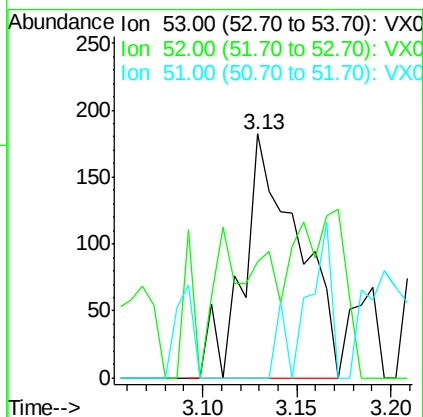
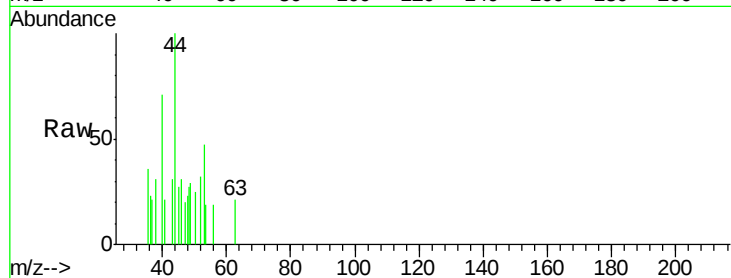
Tgt Ion: 53 Resp: 368

Ion Ratio Lower Upper

53 100

52 31.5 66.5 99.7#

51 0.0 28.3 42.5#



#16

Acetone

Concen: 0.320 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008538.D

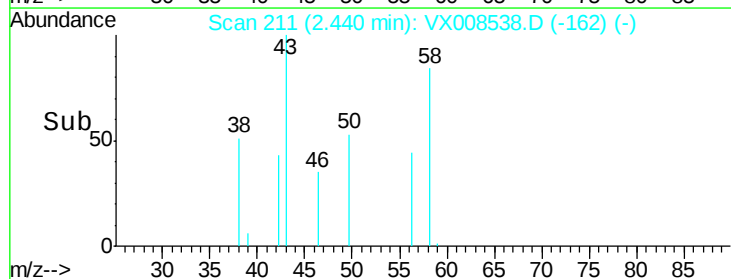
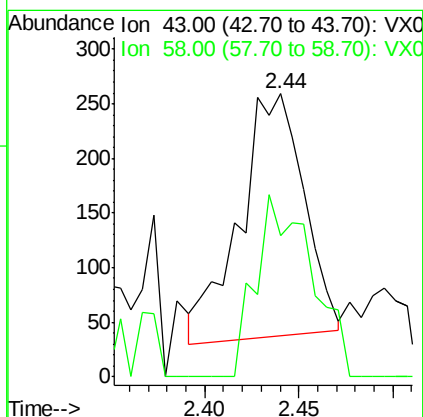
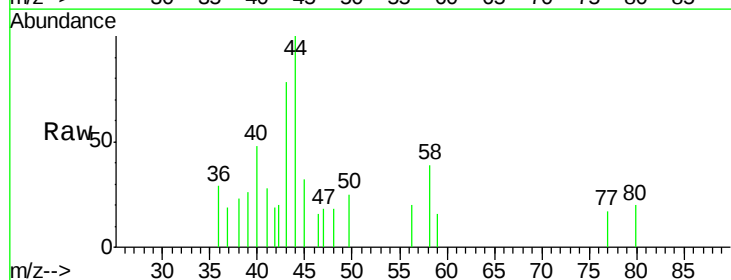
Acq: 29 Mar 2019 12:18

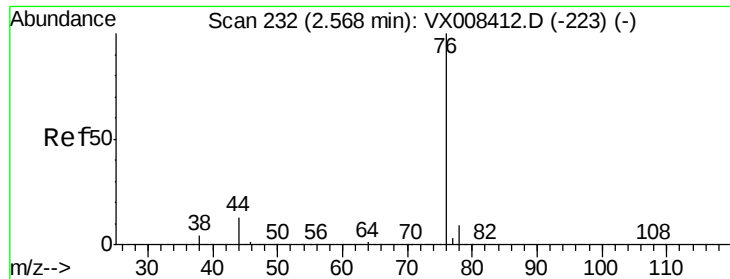
Tgt Ion: 43 Resp: 526

Ion Ratio Lower Upper

43 100

58 62.0 24.2 36.2#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008538.D

Acq: 29 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

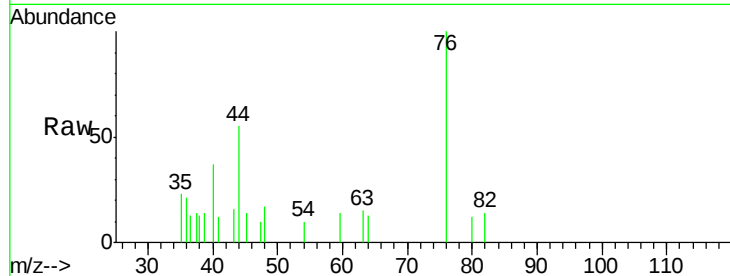
VX0329WBL02

Tgt Ion: 76 Resp: 999

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

500

400

300

200

100

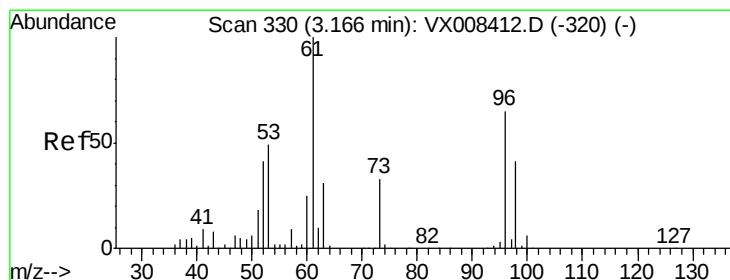
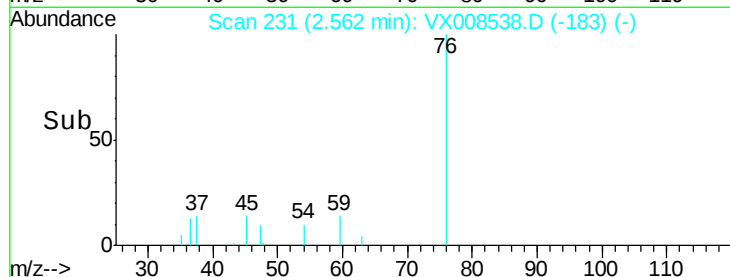
0

2.50

2.55

2.60

Time-->



#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX008538.D

Acq: 29 Mar 2019 12:18

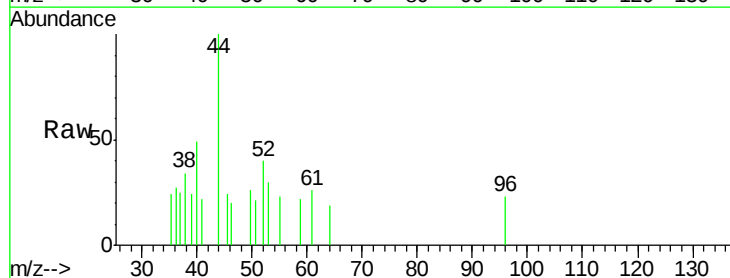
Tgt Ion: 96 Resp: 87

Ion Ratio Lower Upper

96 100

61 110.4 122.6 184.0#

98 0.0 50.9 76.3#



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

150

100

50

0

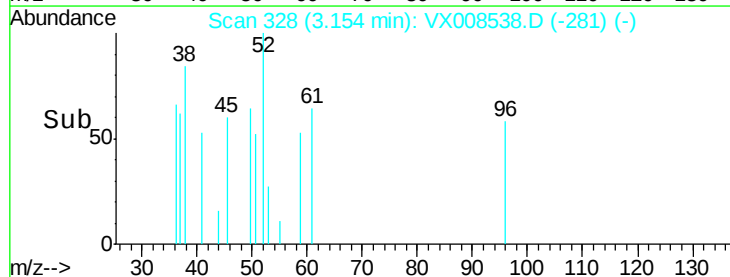
3.12

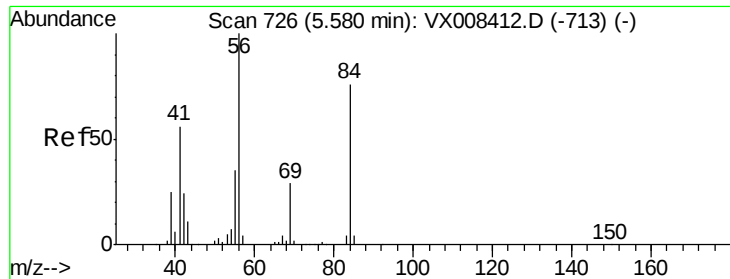
3.14

3.16

3.18

Time-->

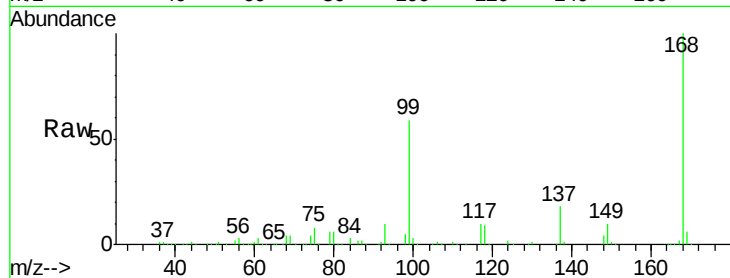




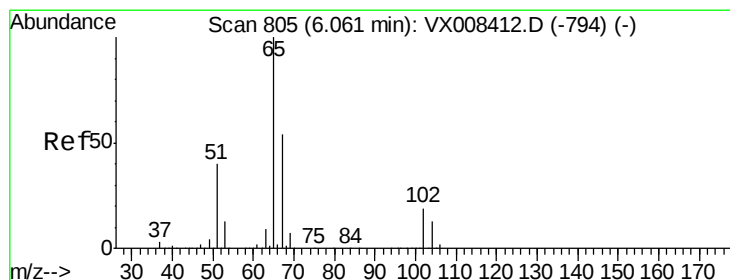
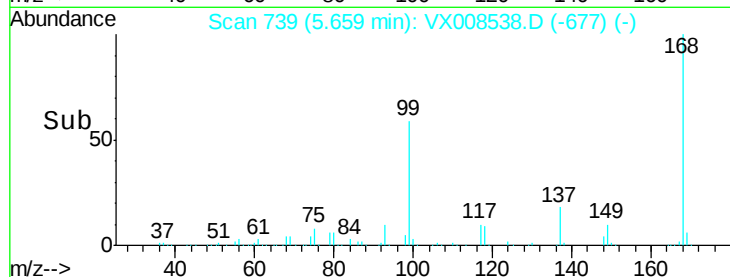
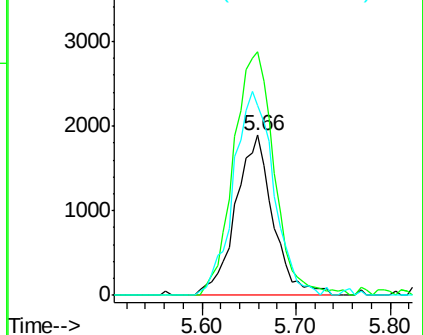
#31
Cyclohexane
Concen: 1.043 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008538.D
Acq: 29 Mar 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBL02

Tgt Ion: 56 Resp: 5252
Ion Ratio Lower Upper
56 100
69 151.8 23.2 34.8#
84 118.5 60.7 91.1#

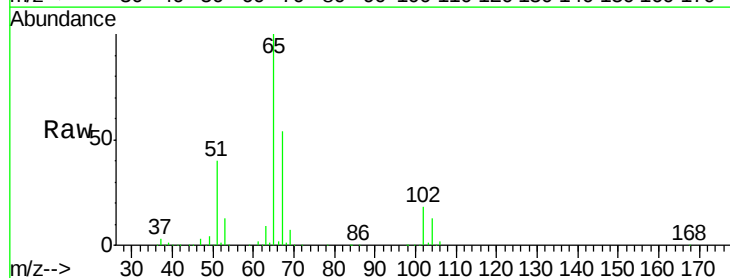


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

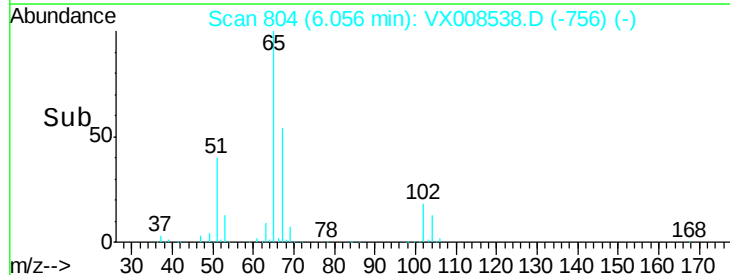
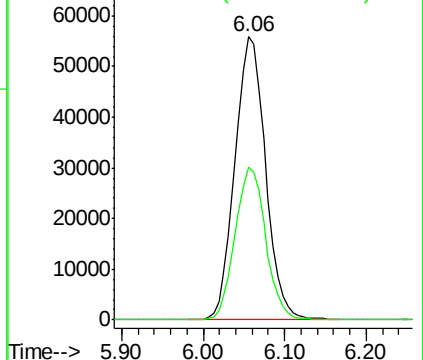


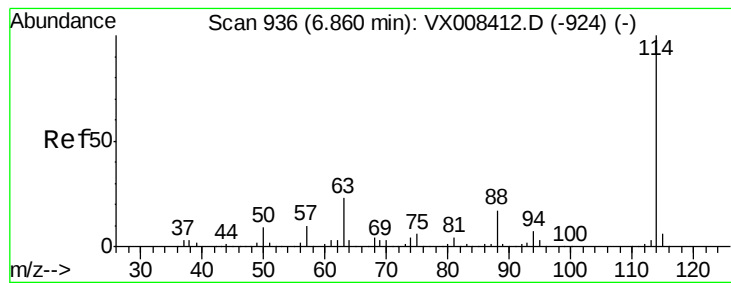
#33
1,2-Dichloroethane-d4
Concen: 46.287 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX008538.D
Acq: 29 Mar 2019 12:18

Tgt Ion: 65 Resp: 145406
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.4



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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008538.D

Acq: 29 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBL02

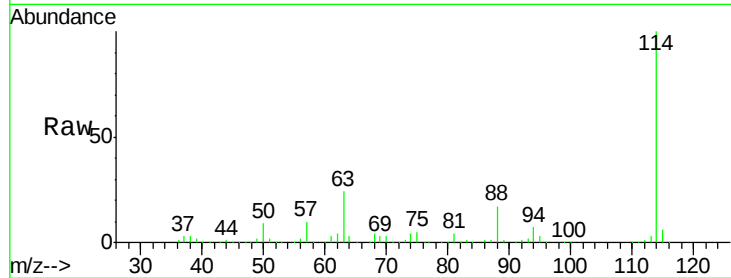
Tgt Ion:114 Resp: 351036

Ion Ratio Lower Upper

114 100

63 24.2 0.0 46.4

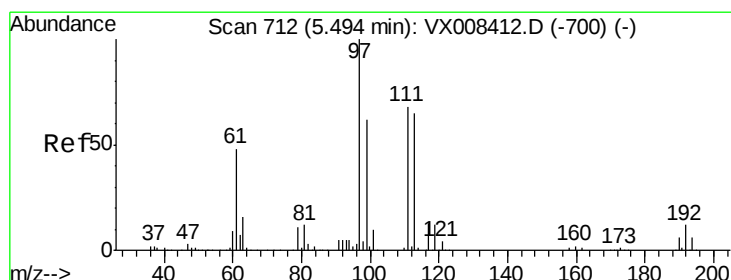
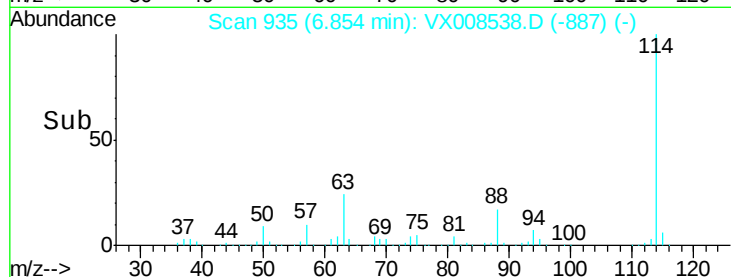
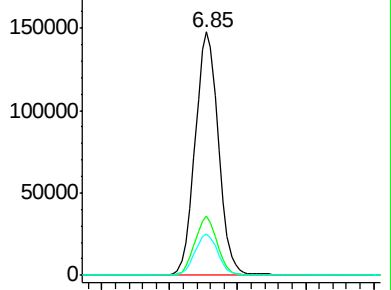
88 16.8 0.0 33.2



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



#35

Dibromofluoromethane

Concen: 46.691 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX008538.D

Acq: 29 Mar 2019 12:18

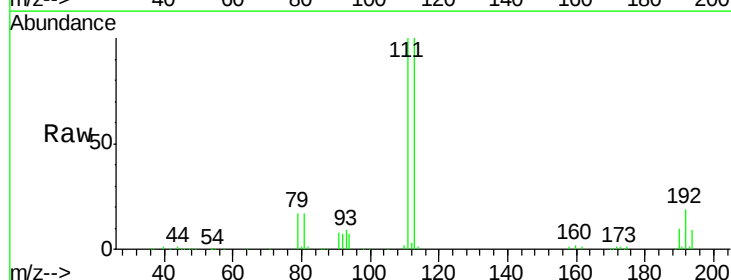
Tgt Ion:113 Resp: 106872

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

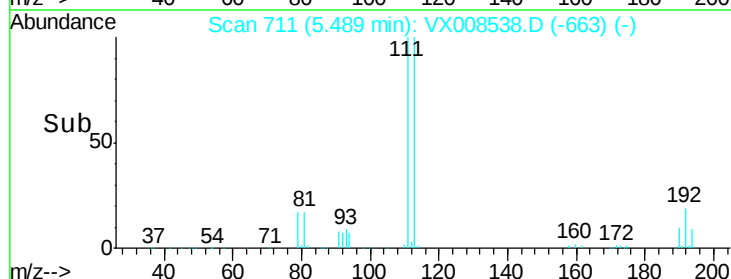
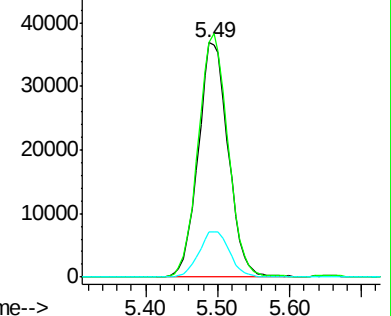
192 20.0 15.6 23.4

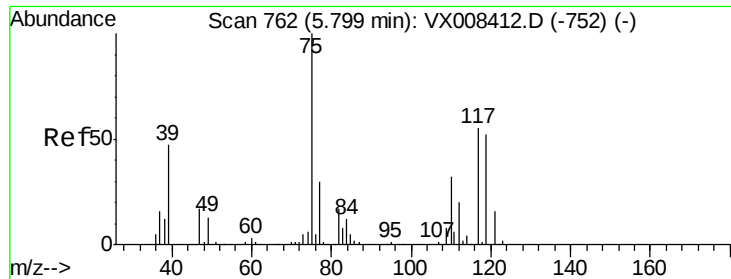


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

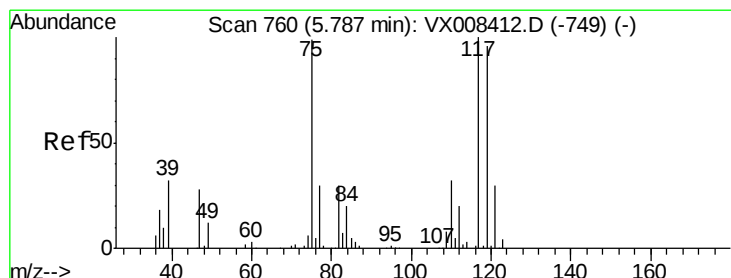
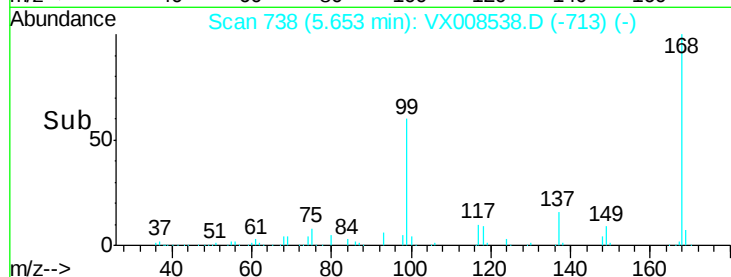
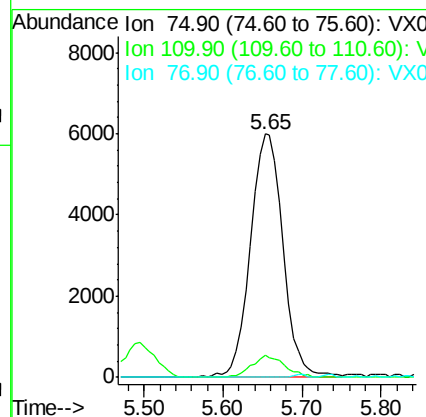
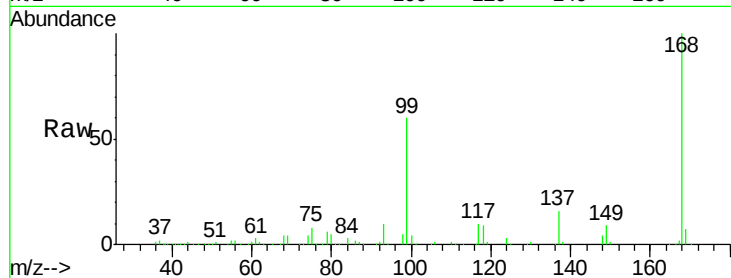




#36
 1,1-Dichloropropene
 Concen: 4.600 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008538.D
 Acq: 29 Mar 2019 12:18

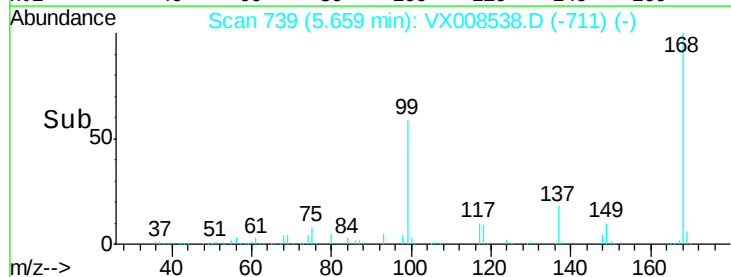
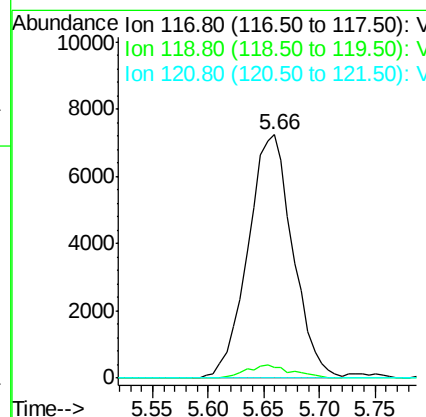
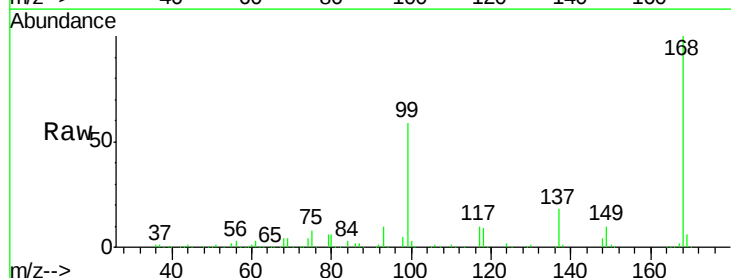
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBL02

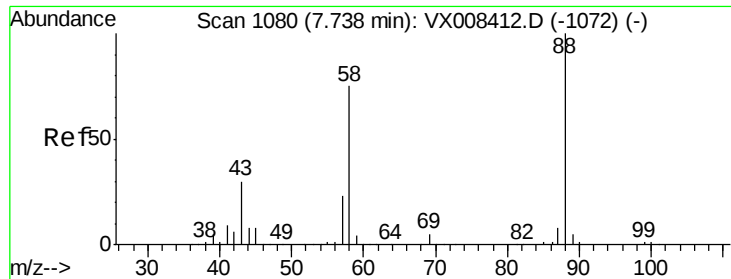
Tgt Ion: 75 Resp: 17216
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.6 49.7#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.494 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008538.D
 Acq: 29 Mar 2019 12:18

Tgt Ion: 117 Resp: 20284
 Ion Ratio Lower Upper
 117 100
 119 4.1 76.7 115.1#
 121 0.0 24.3 36.5#

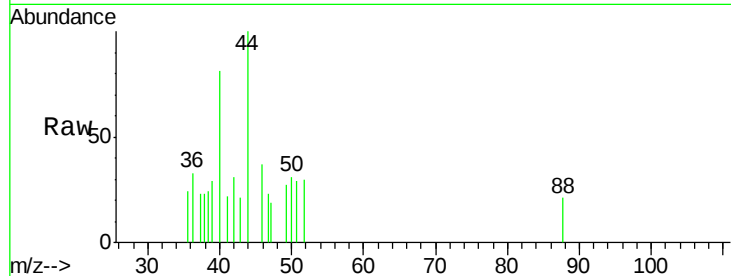




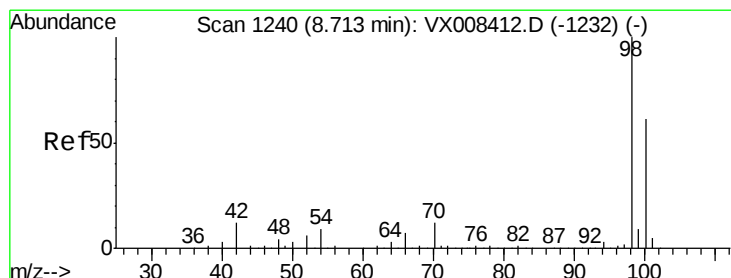
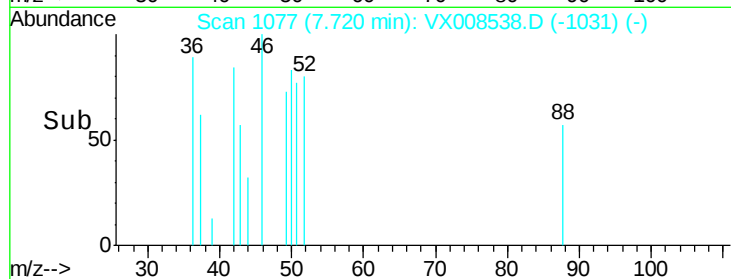
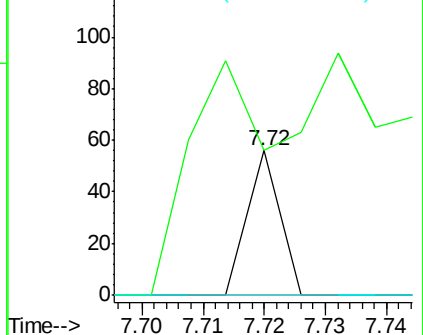
#49
1,4-Dioxane
Concen: 0.259 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.02 min
Lab File: VX008538.D
Acq: 29 Mar 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBL02

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 380.0 28.6 43.0#
58 0.0 63.0 94.4#

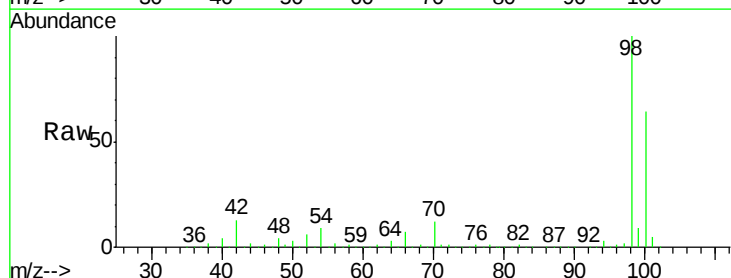


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

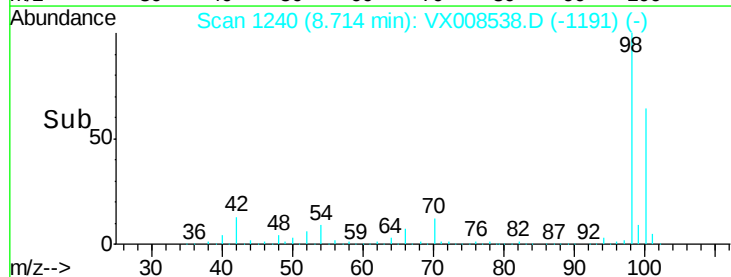
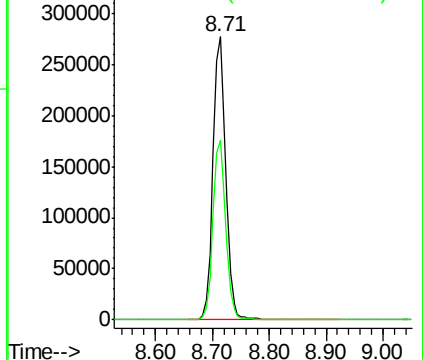


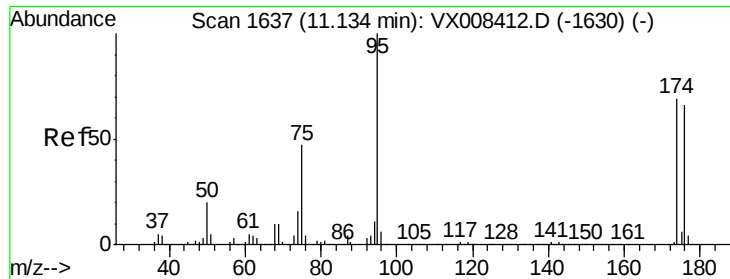
#50
Toluene-d8
Concen: 47.839 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008538.D
Acq: 29 Mar 2019 12:18

Tgt Ion: 98 Resp: 437843
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



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

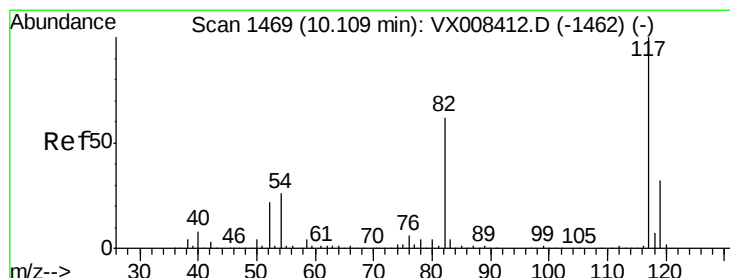
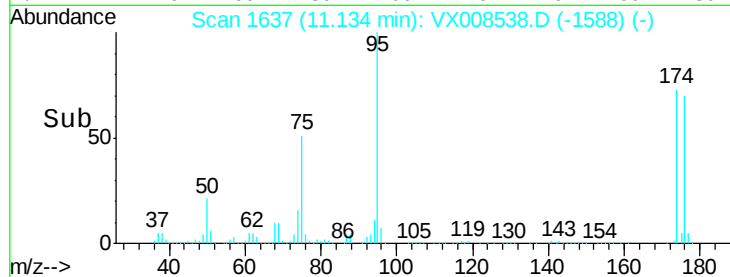
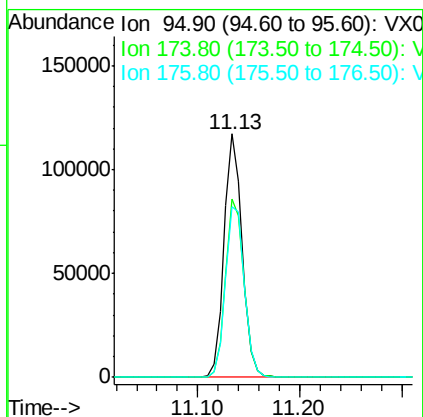
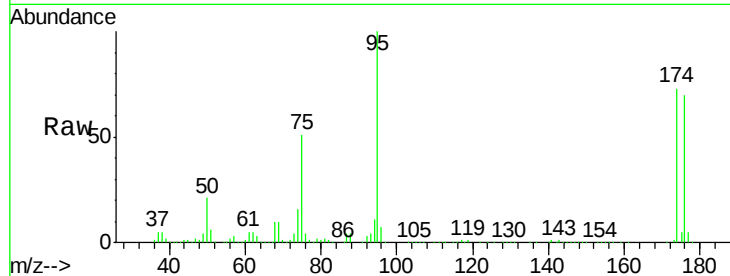




#62
4-Bromofluorobenzene
Concen: 42.521 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008538.D
Acq: 29 Mar 2019 12:18

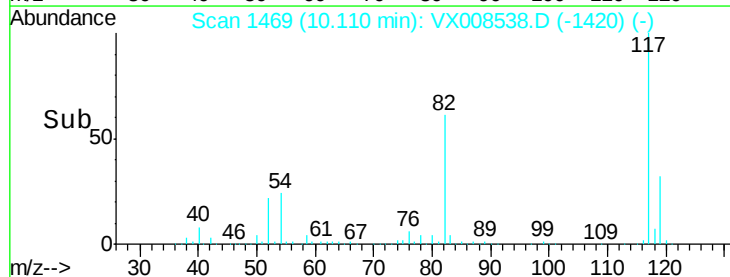
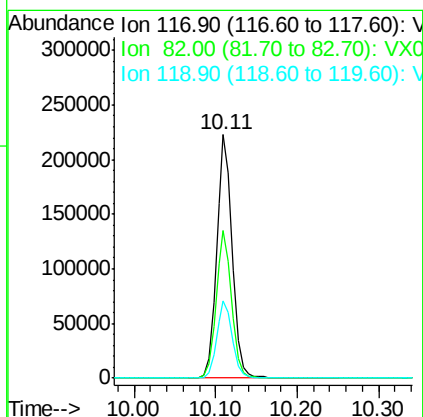
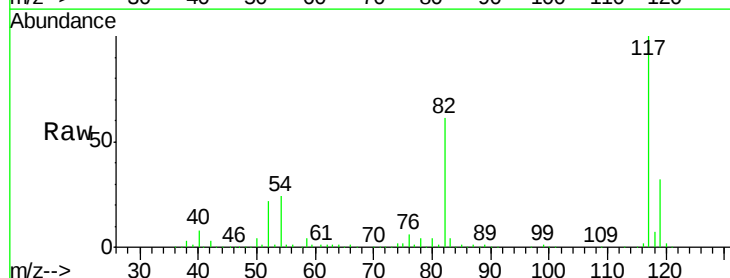
Instrument :
MSVOA_X
ClientSampleId :
VX0329WBL02

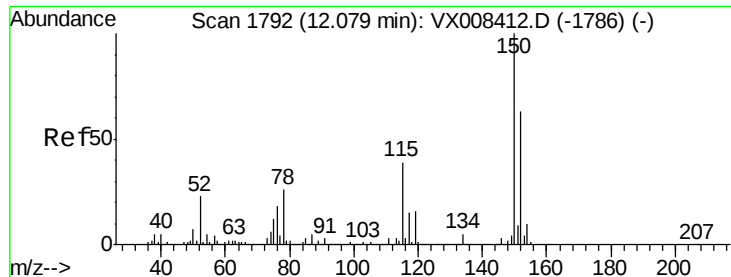
Tgt Ion: 95 Resp: 144211
Ion Ratio Lower Upper
95 100
174 74.7 0.0 147.2
176 73.4 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008538.D
Acq: 29 Mar 2019 12:18

Tgt Ion: 117 Resp: 298353
Ion Ratio Lower Upper
117 100
82 60.7 49.4 74.2
119 31.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008538.D

Acq: 29 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBL02

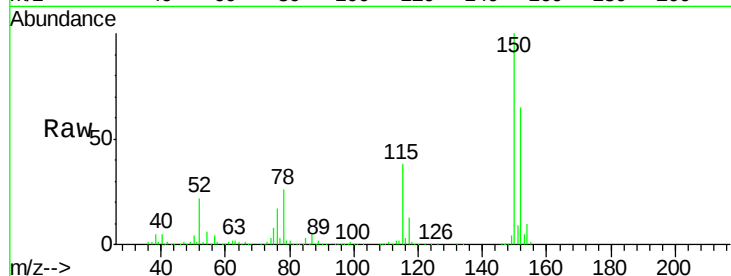
Tgt Ion:152 Resp: 121747

Ion Ratio Lower Upper

152 100

115 60.7 43.5 130.5

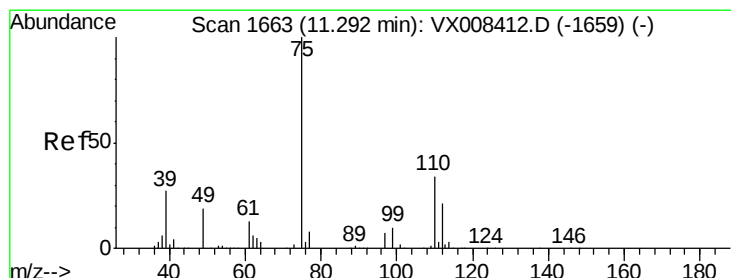
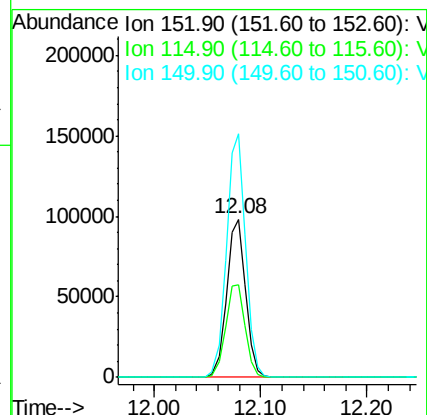
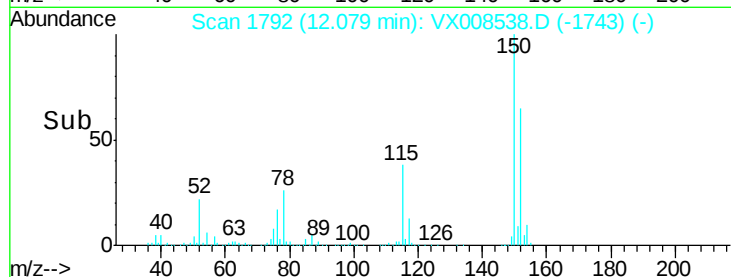
150 155.2 0.0 348.8



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: 20.339 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008538.D

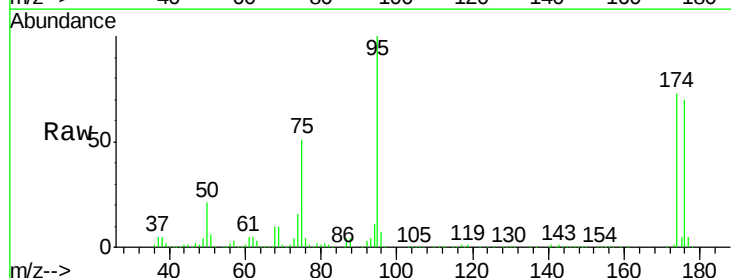
Acq: 29 Mar 2019 12:18

Tgt Ion: 75 Resp: 73616

Ion Ratio Lower Upper

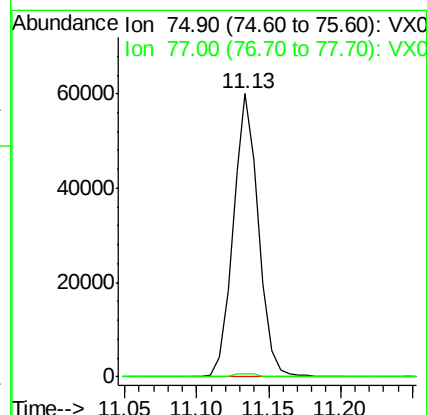
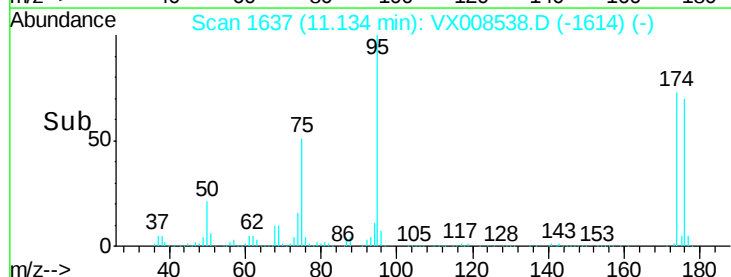
75 100

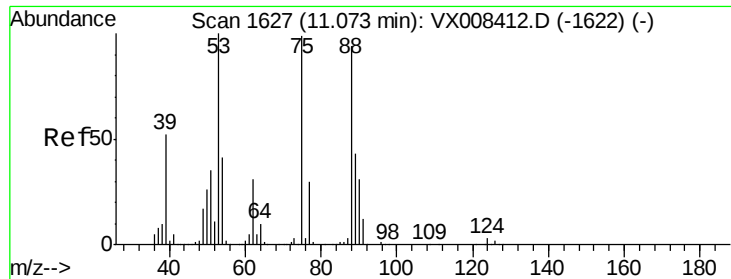
77 1.3 21.9 65.7#



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: 65.143 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008538.D

Acq: 29 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBL02

Tgt Ion: 75 Resp: 73616

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.0 34.6 52.0#

