

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082119\
 Data File : VX011740.D
 Acq On : 21 Aug 2019 19:25
 Operator : JC/SP
 Sample : VX0821WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBL02

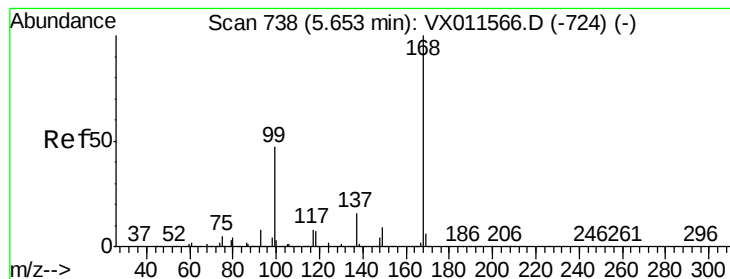
Quant Time: Aug 22 03:41:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	399016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	605577	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	546213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	268698	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	210674	56.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.86%	
35) Dibromofluoromethane	5.49	113	171660	43.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.68%	
50) Toluene-d8	8.71	98	699747	56.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.40%	
62) 4-Bromofluorobenzene	11.13	95	242331	46.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	728	0.442	ug/l #	15
8) Diethyl Ether	2.14	74	667	0.381	ug/l	54
10) Methyl Iodide	2.50	142	1434	0.286	ug/l #	70
11) Tert butyl alcohol	3.04	59	529	0.583	ug/l #	71
13) Acrolein	2.26	56	873	15.157	ug/l #	28
15) Acrylonitrile	3.12	53	620	0.298	ug/l #	24
16) Acetone	2.45	43	392	0.211	ug/l	91
17) Carbon Disulfide	2.57	76	1827	0.228	ug/l #	95
25) 2-Butanone	4.66	43	688	0.236	ug/l	99
31) Cyclohexane	5.65	56	7101	1.294	ug/l #	10
36) 1,1-Dichloropropene	5.65	75	25049	4.838	ug/l #	52
38) Carbon Tetrachloride	5.66	117	35527	6.228	ug/l #	16
45) 1,2-Dichloropropane	7.51	63	807	0.201	ug/l #	88
49) 1,4-Dioxane	7.72	88	168	1.372	ug/l #	1
68) m/p-Xylenes	10.36	106	1657	0.222	ug/l #	33
71) Bromoform	10.97	173	90	3.311	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	112819	22.142	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	112819	59.087	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

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MSVOA_X

ClientSampleId :

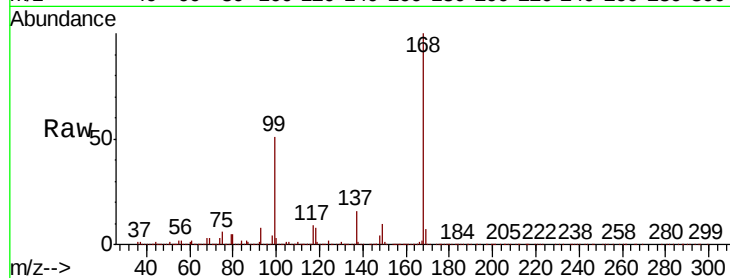
VX0821WBL02

Tgt Ion: 168 Resp: 399016

Ion Ratio Lower Upper

168 100

99 51.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

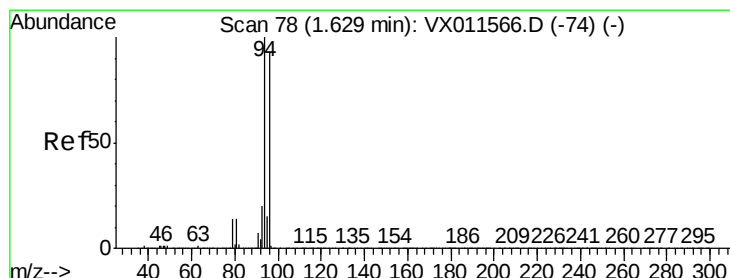
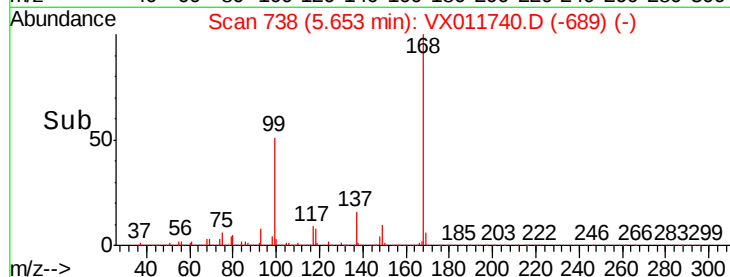
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.442 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011740.D

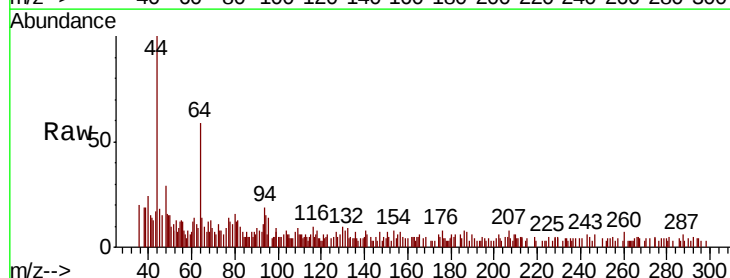
Acq: 21 Aug 2019 19:25

Tgt Ion: 94 Resp: 728

Ion Ratio Lower Upper

94 100

96 11.4 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

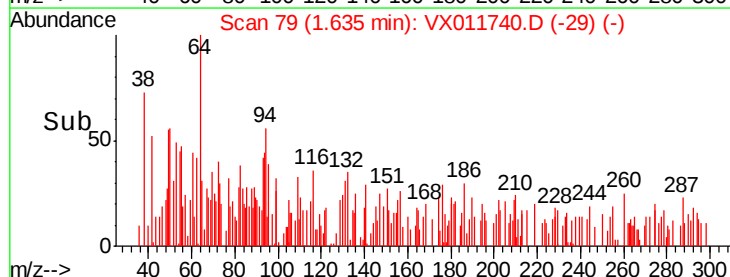
400

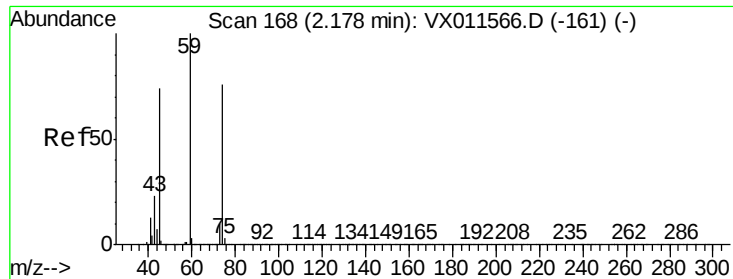
200

0

Time-->

1.60 1.62 1.64 1.66 1.68





#8

Diethyl Ether

Concen: 0.381 ug/l

RT: 2.14 min Scan# 161

Delta R.T. -0.04 min

Lab File: VX011740.D

Acq: 21 Aug 2019 19:25

Instrument :

MSVOA_X

ClientSampled :

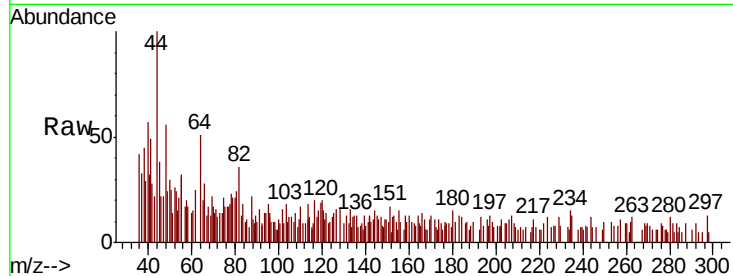
VX0821WBL02

Tgt Ion: 74 Resp: 667

Ion Ratio Lower Upper

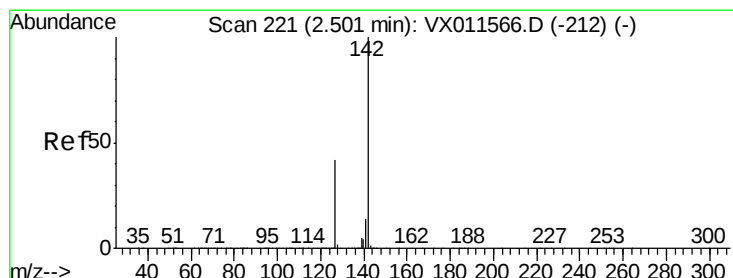
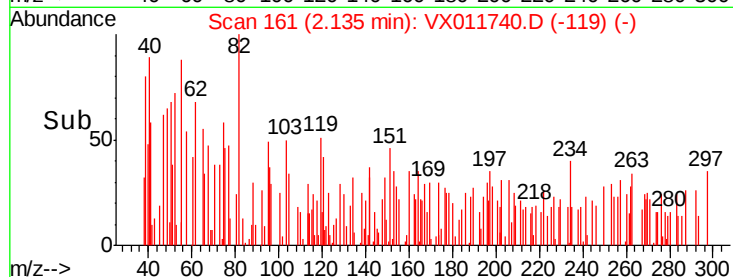
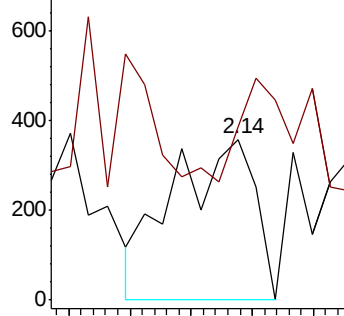
74 100

45 51.0 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 0.286 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011740.D

Acq: 21 Aug 2019 19:25

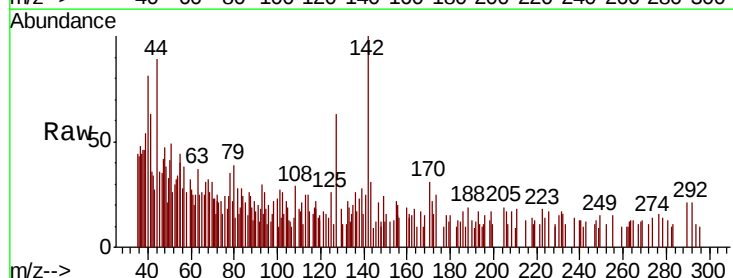
Tgt Ion: 142 Resp: 1434

Ion Ratio Lower Upper

142 100

127 27.0 32.8 49.2#

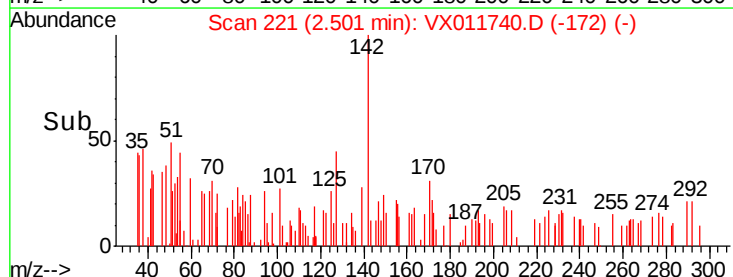
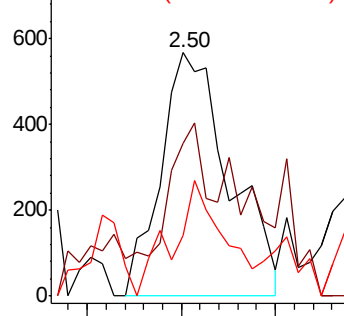
141 35.1 11.4 17.2#

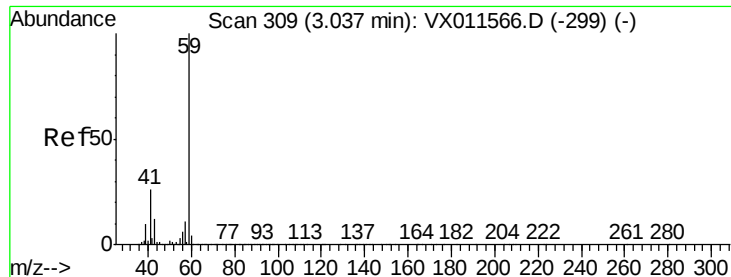


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

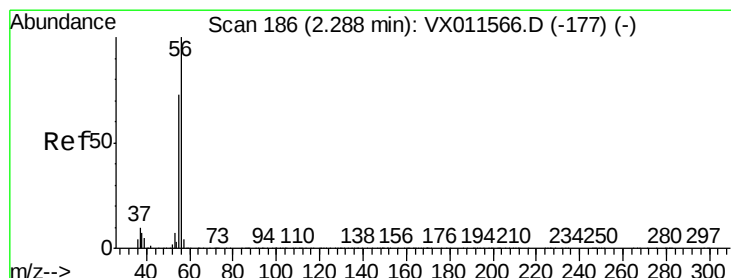
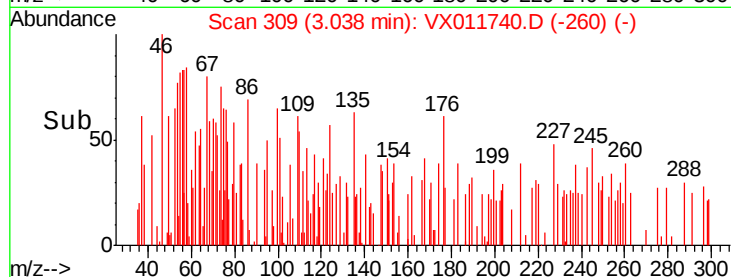
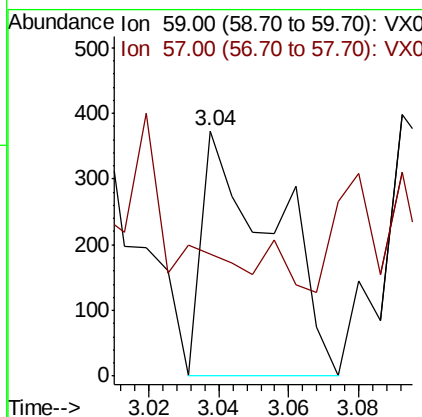
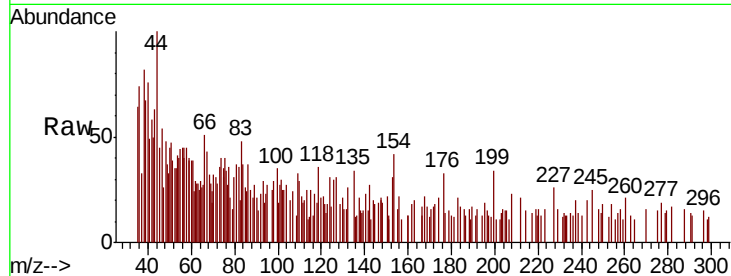




#11
Tert butyl alcohol
Concen: 0.583 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011740.D
Acq: 21 Aug 2019 19:25

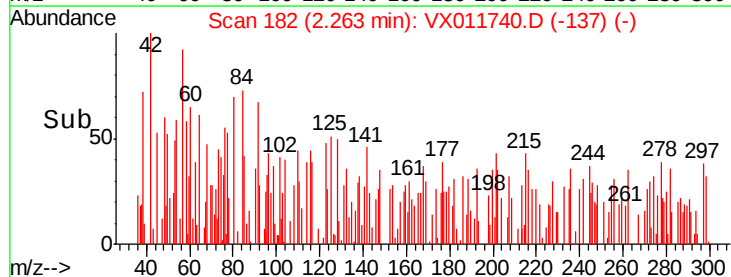
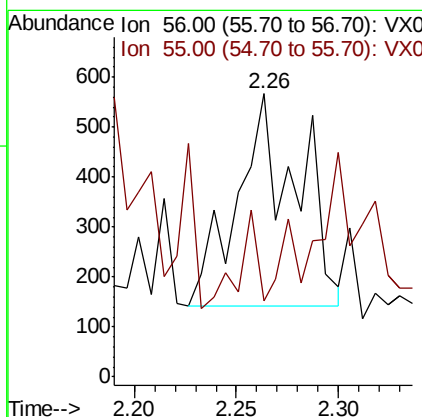
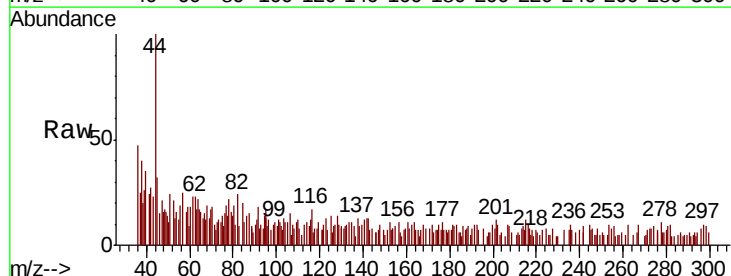
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL02

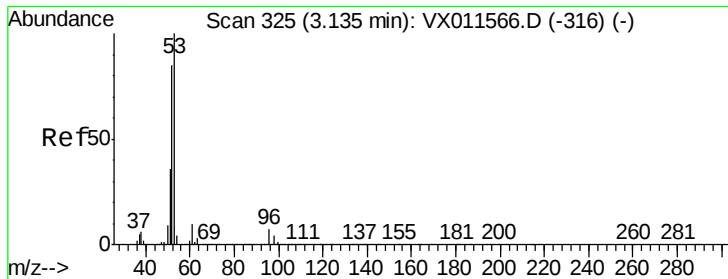
Tgt Ion: 59 Resp: 529
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 15.157 ug/l
RT: 2.26 min Scan# 182
Delta R.T. -0.02 min
Lab File: VX011740.D
Acq: 21 Aug 2019 19:25

Tgt Ion: 56 Resp: 873
Ion Ratio Lower Upper
56 100
55 10.5 55.5 83.3#





#15

Acrylonitrile

Concen: 0.298 ug/l

RT: 3.12 min Scan# 322

Delta R.T. -0.02 min

Lab File: VX011740.D

Acq: 21 Aug 2019 19:25

Instrument :

MSVOA_X

ClientSampled :

VX0821WBL02

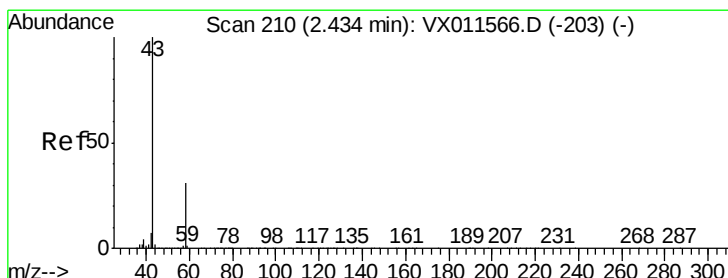
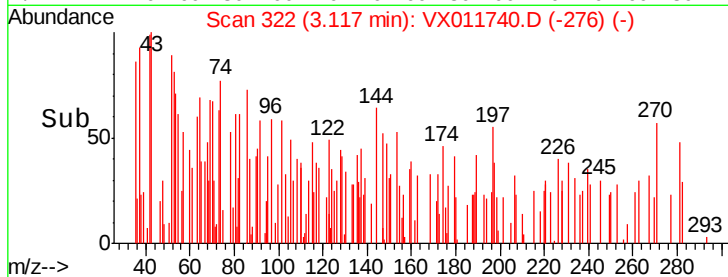
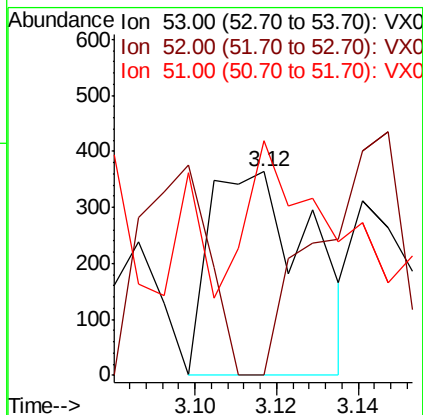
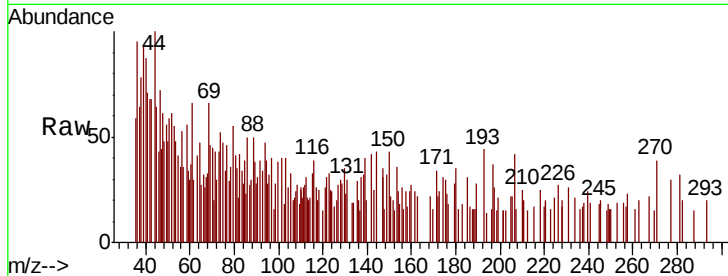
Tgt Ion: 53 Resp: 620

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

51 57.9 28.7 43.1#



#16

Acetone

Concen: 0.211 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX011740.D

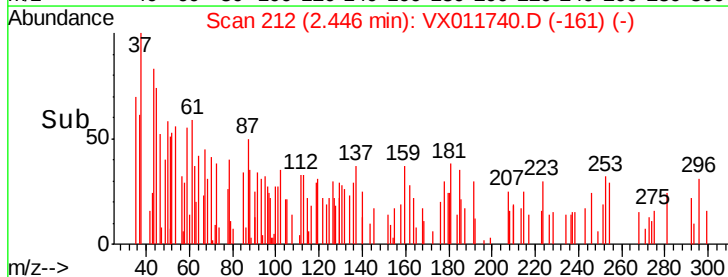
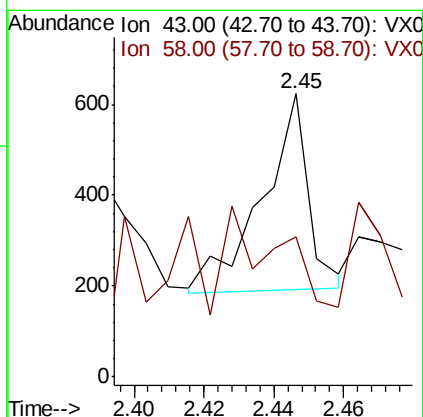
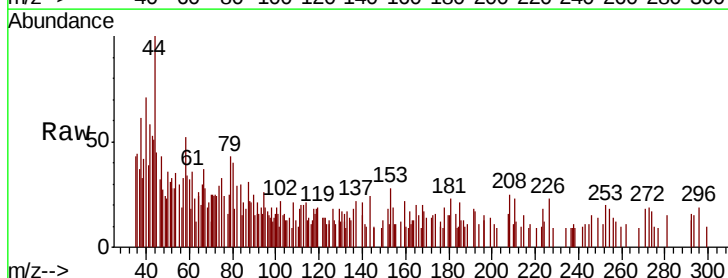
Acq: 21 Aug 2019 19:25

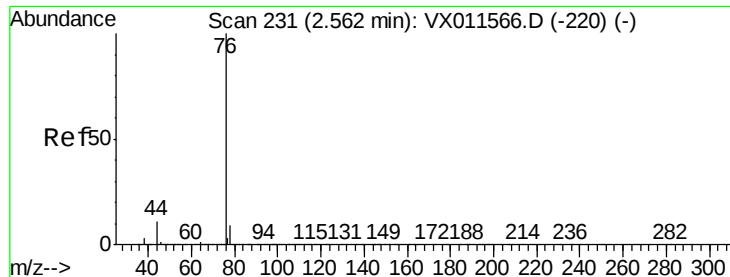
Tgt Ion: 43 Resp: 392

Ion Ratio Lower Upper

43 100

58 36.5 25.2 37.8





#17

Carbon Disulfide

Concen: 0.228 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX011740.D

Acq: 21 Aug 2019 19:25

Instrument :

MSVOA_X

ClientSampleId :

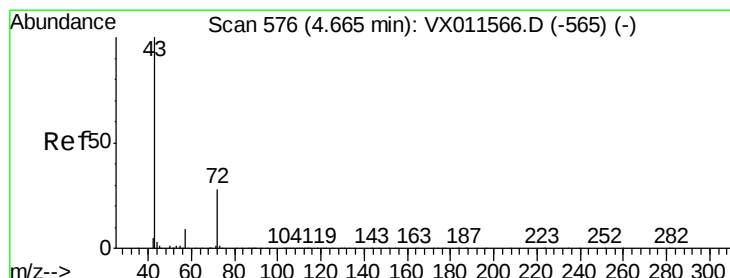
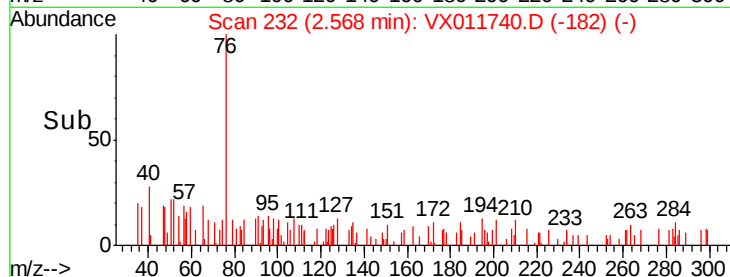
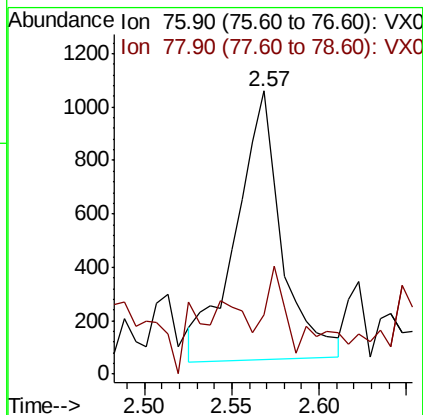
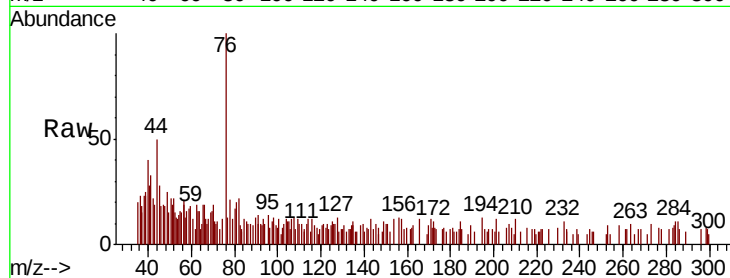
VX0821WBL02

Tgt Ion: 76 Resp: 1827

Ion Ratio Lower Upper

76 100

78 7.0 7.2 10.8#



#25

2-Butanone

Concen: 0.236 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011740.D

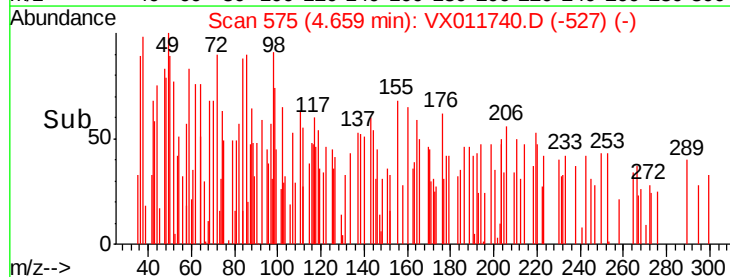
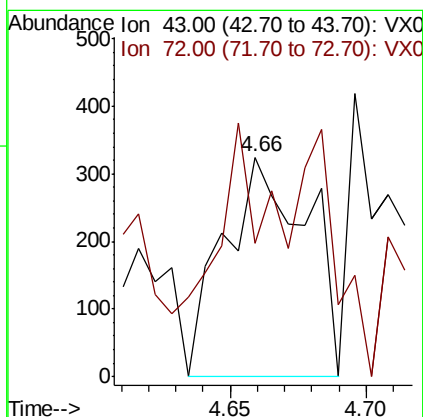
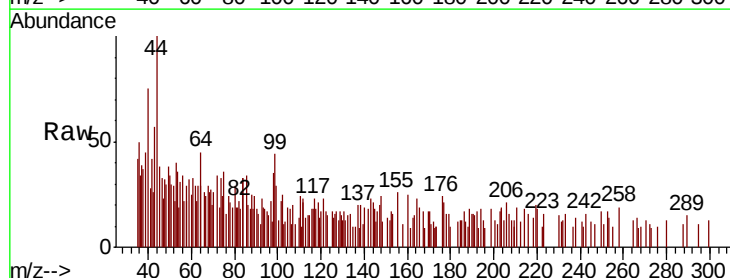
Acq: 21 Aug 2019 19:25

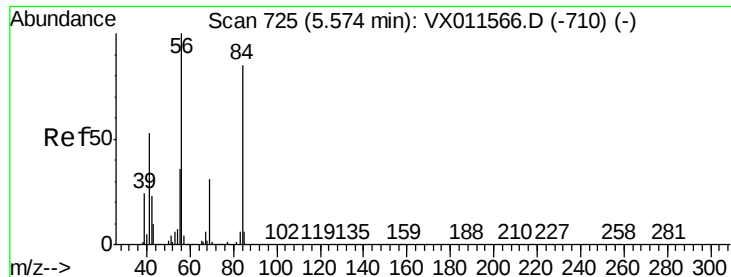
Tgt Ion: 43 Resp: 688

Ion Ratio Lower Upper

43 100

72 28.3 22.2 33.4

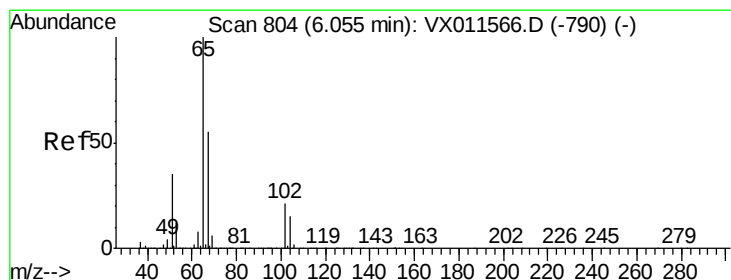
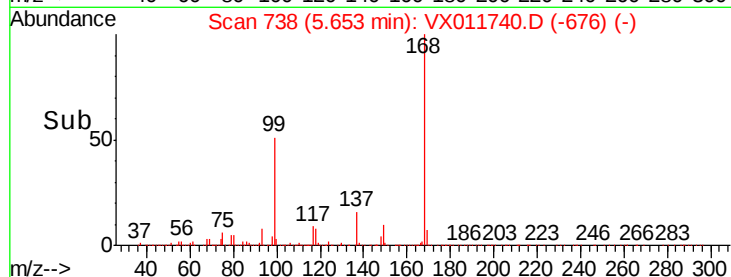
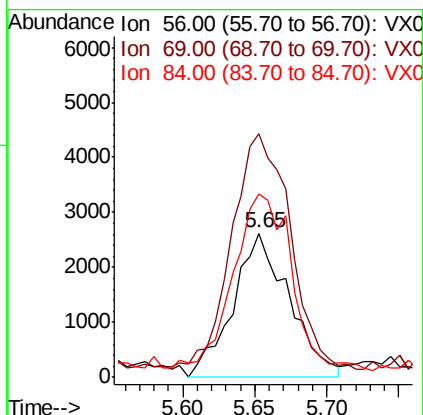
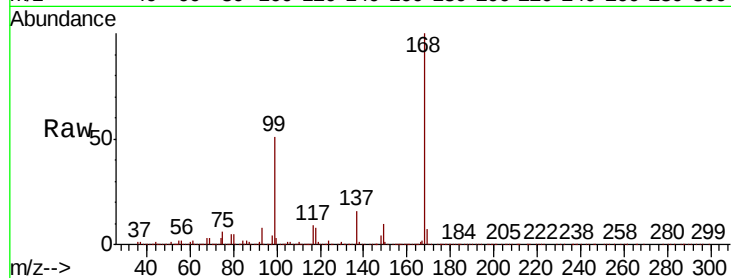




#31
Cyclohexane
Concen: 1.294 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX011740.D
Acq: 21 Aug 2019 19:25

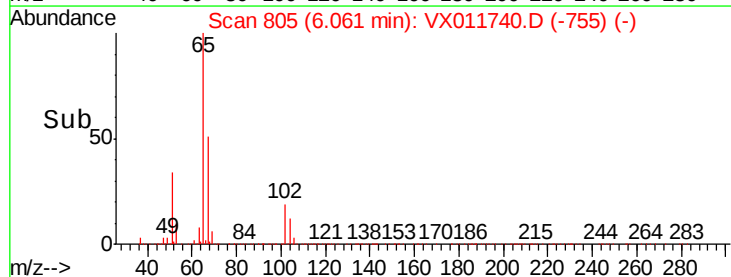
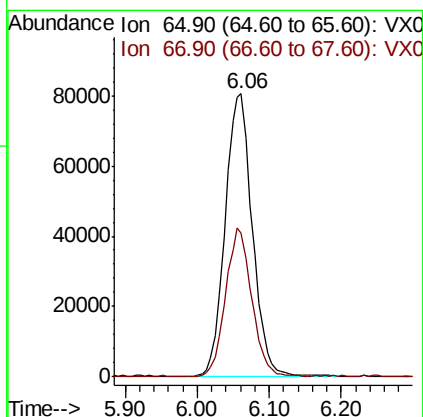
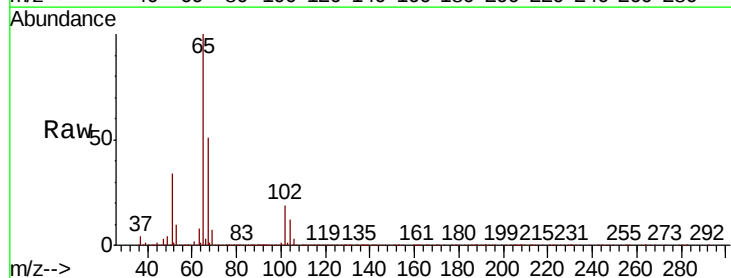
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL02

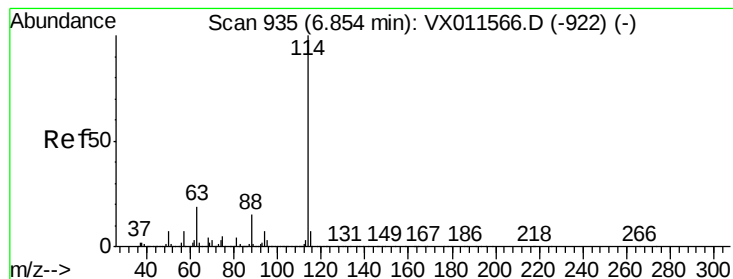
Tgt Ion: 56 Resp: 7101
Ion Ratio Lower Upper
56 100
69 161.1 24.8 37.2#
84 117.8 67.9 101.9#



#33
1,2-Dichloroethane-d4
Concen: 56.934 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX011740.D
Acq: 21 Aug 2019 19:25

Tgt Ion: 65 Resp: 210674
Ion Ratio Lower Upper
65 100
67 50.5 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011740.D

Acq: 21 Aug 2019 19:25

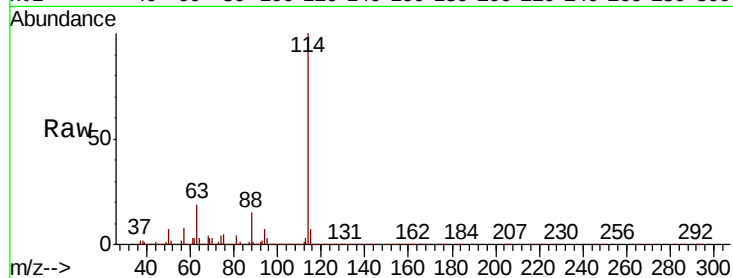
Instrument :

MSVOA_X

ClientSampleId :

VX0821WBL02

Tgt Ion:	114	Resp:	605577
Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	37.8
88	15.2	0.0	30.2



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

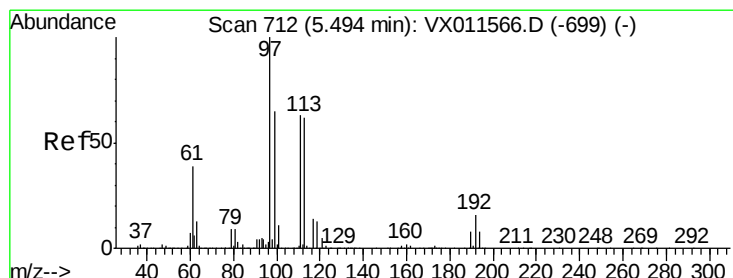
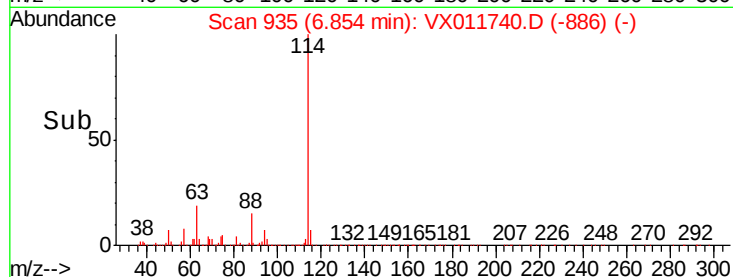
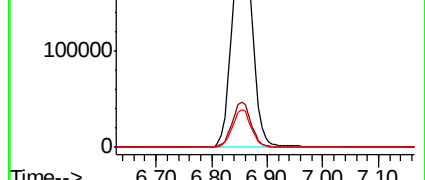
6.85

300000

200000

100000

0



#35

Dibromofluoromethane

Concen: 43.339 ug/l

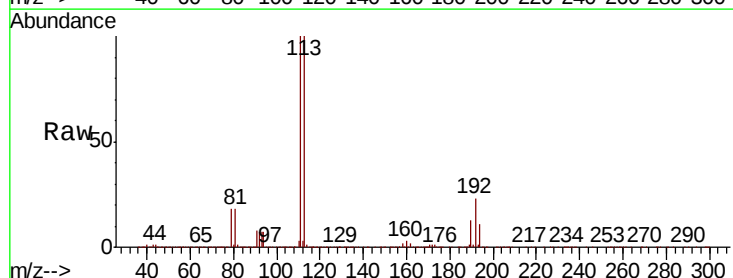
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011740.D

Acq: 21 Aug 2019 19:25

Tgt Ion:	113	Resp:	171660
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.1	121.7
192	24.4	20.8	31.2



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

5.49

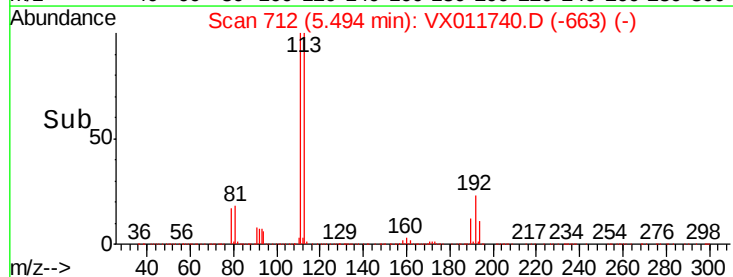
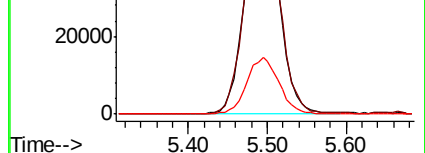
80000

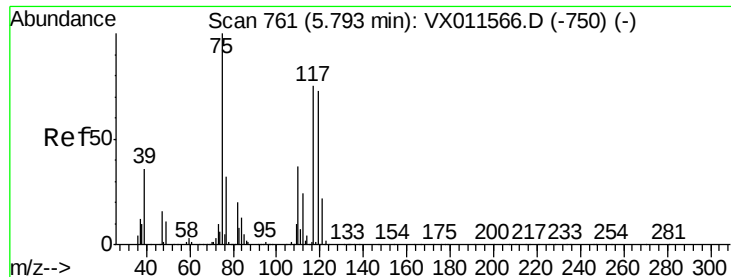
60000

40000

20000

0

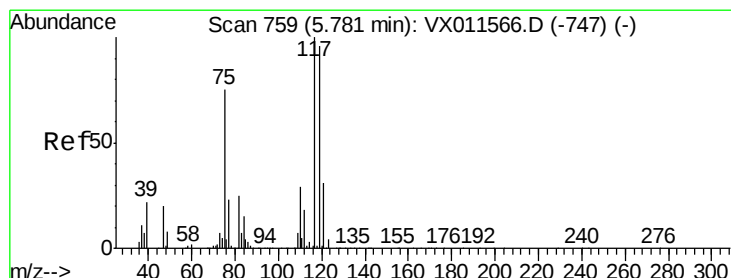
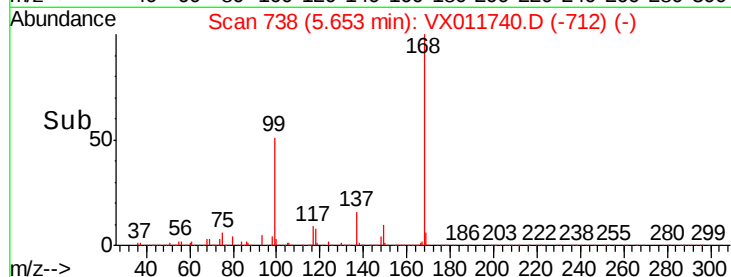
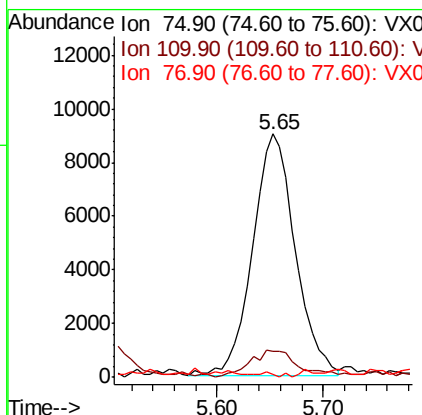
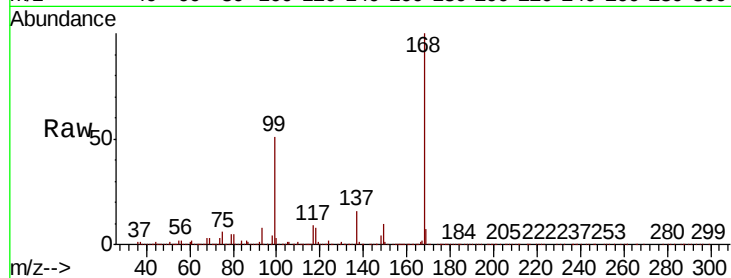




#36
 1,1-Dichloropropene
 Concen: 4.838 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011740.D
 Acq: 21 Aug 2019 19:25

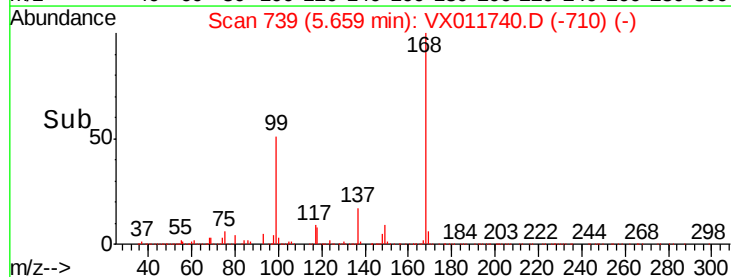
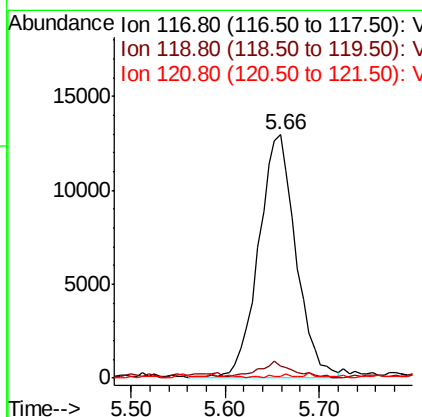
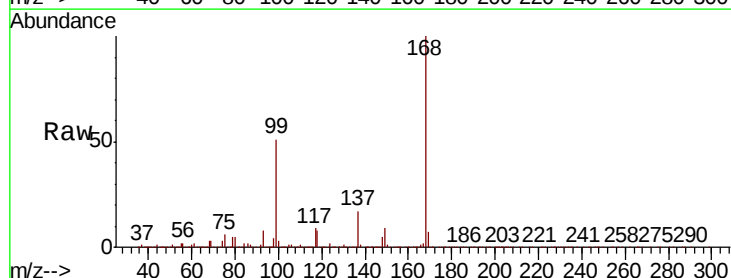
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBL02

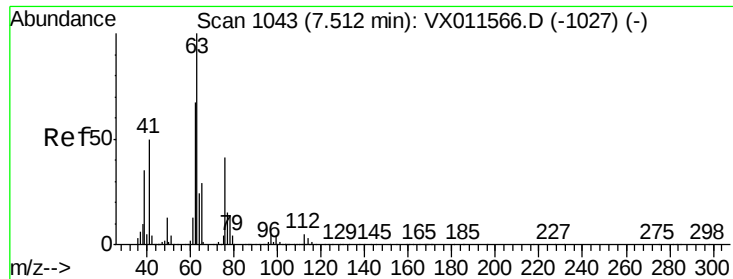
Tgt Ion: 75 Resp: 25049
 Ion Ratio Lower Upper
 75 100
 110 13.1 19.4 58.1#
 77 0.8 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.228 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011740.D
 Acq: 21 Aug 2019 19:25

Tgt Ion: 117 Resp: 35527
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.9 115.3#
 121 0.1 24.8 37.2#

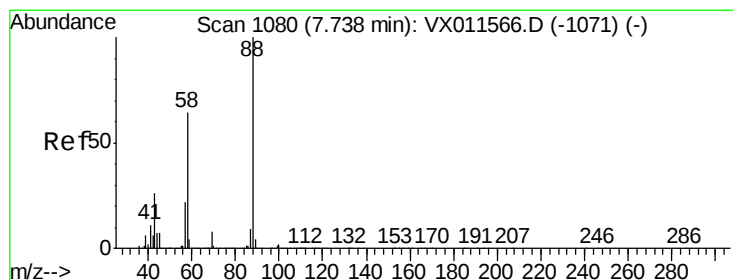
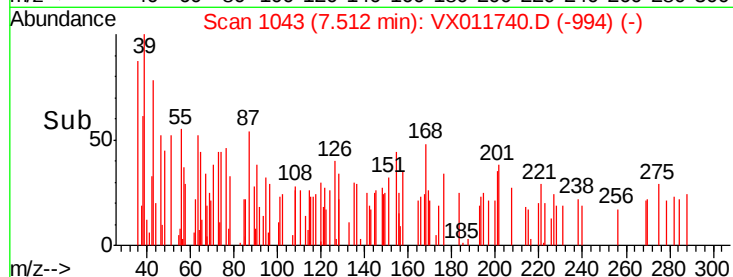
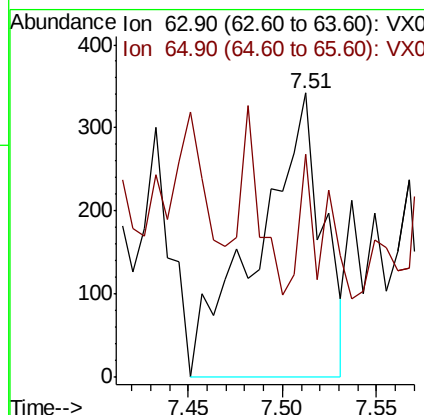
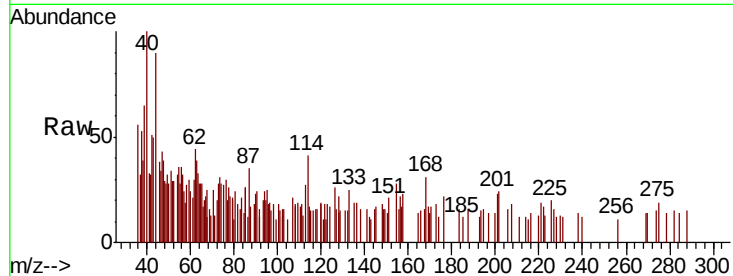




#45
 1,2-Dichloropropane
 Concen: 0.201 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011740.D
 Acq: 21 Aug 2019 19:25

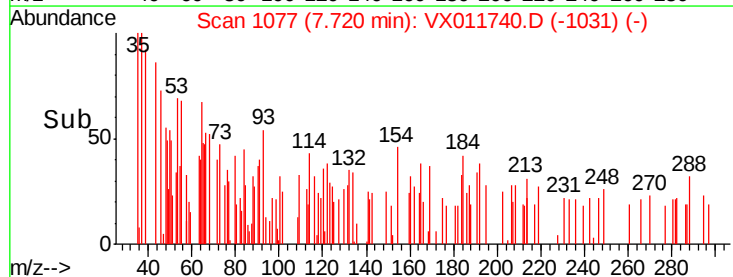
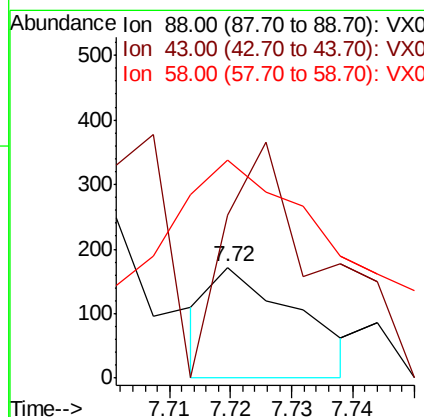
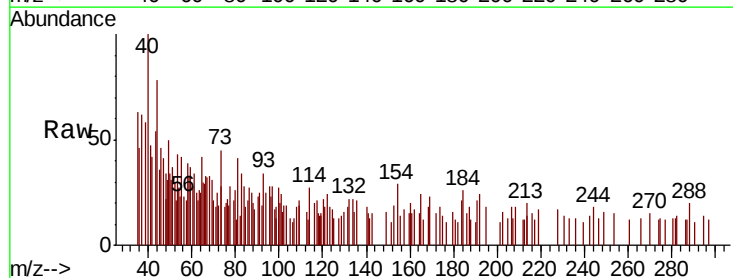
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBL02

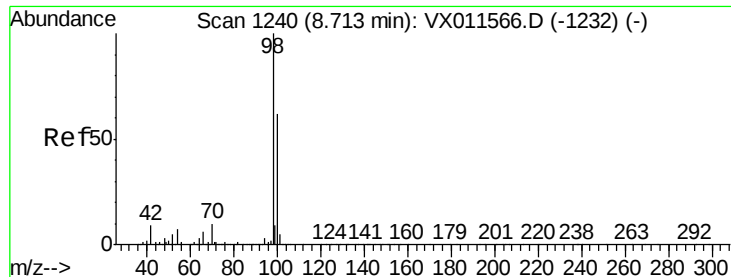
Tgt Ion: 63 Resp: 807
 Ion Ratio Lower Upper
 63 100
 65 35.7 23.4 35.2#



#49
 1,4-Dioxane
 Concen: 1.372 ug/l
 RT: 7.72 min Scan# 1077
 Delta R.T. -0.02 min
 Lab File: VX011740.D
 Acq: 21 Aug 2019 19:25

Tgt Ion: 88 Resp: 168
 Ion Ratio Lower Upper
 88 100
 43 240.5 23.4 35.0#
 58 216.7 54.3 81.5#





#50

Toluene-d8

Concen: 56.699 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011740.D

Acq: 21 Aug 2019 19:25

Instrument :

MSVOA_X

ClientSampleId :

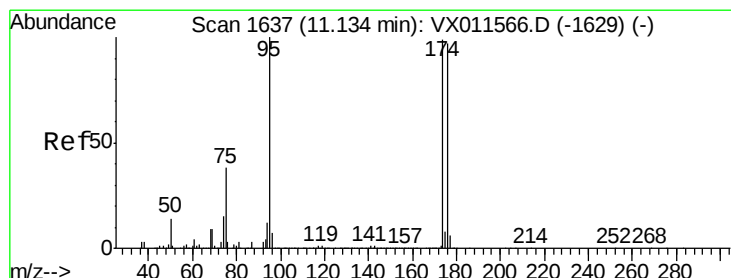
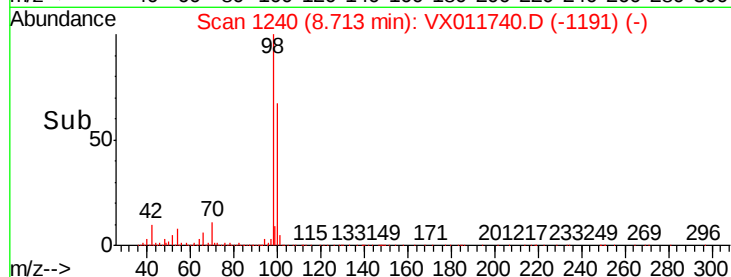
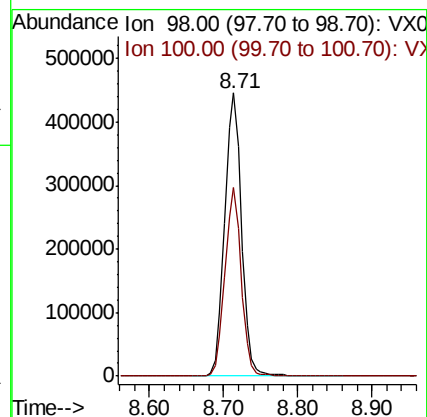
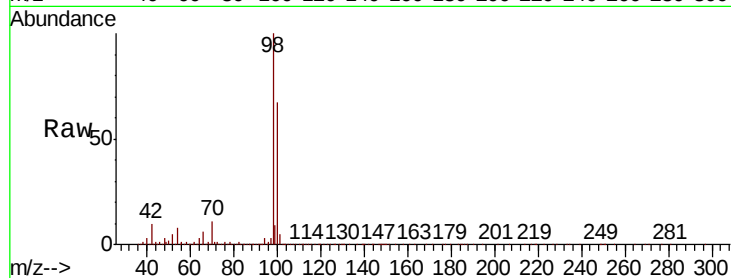
VX0821WBL02

Tgt Ion: 98 Resp: 699747

Ion Ratio Lower Upper

98 100

100 64.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.520 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011740.D

Acq: 21 Aug 2019 19:25

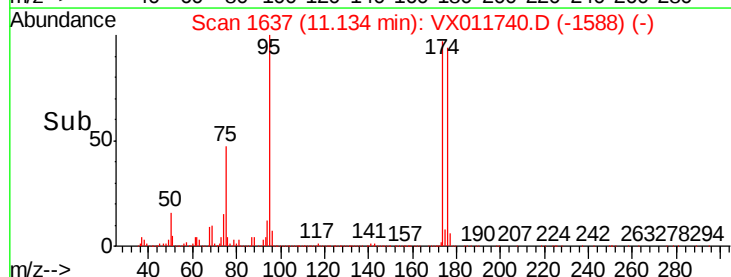
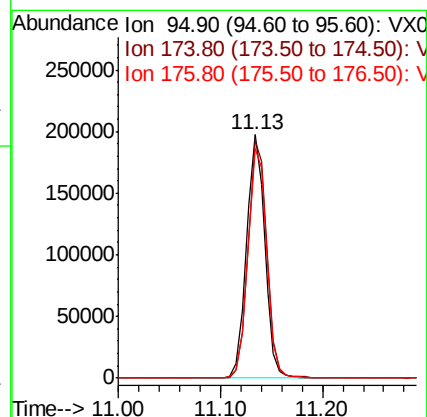
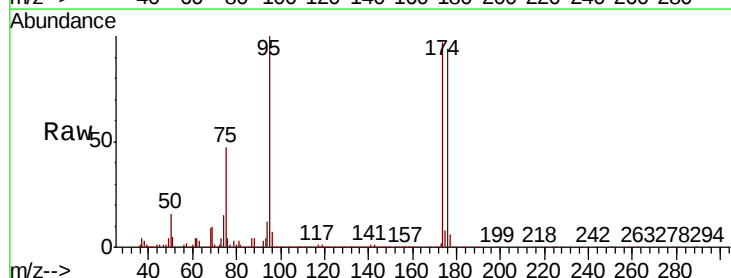
Tgt Ion: 95 Resp: 242331

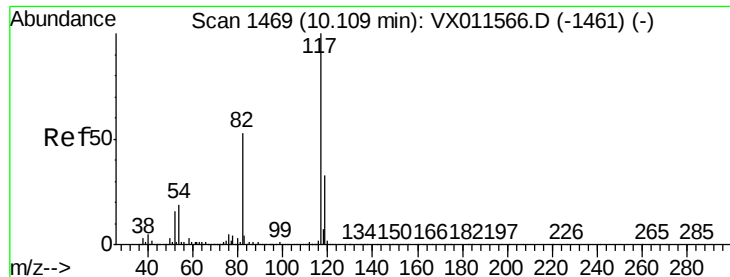
Ion Ratio Lower Upper

95 100

174 100.3 0.0 200.6

176 97.3 0.0 196.6

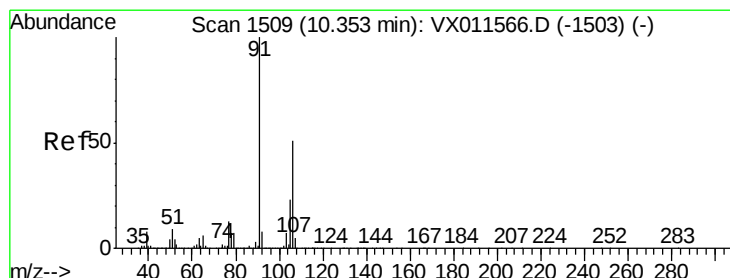
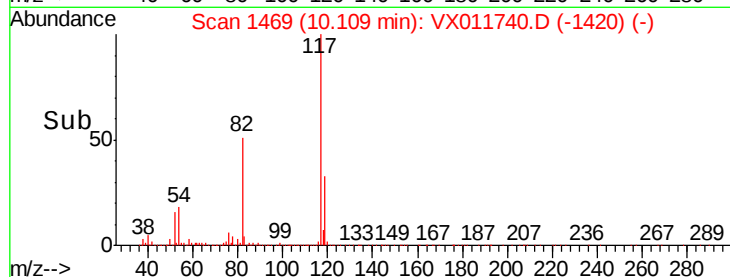
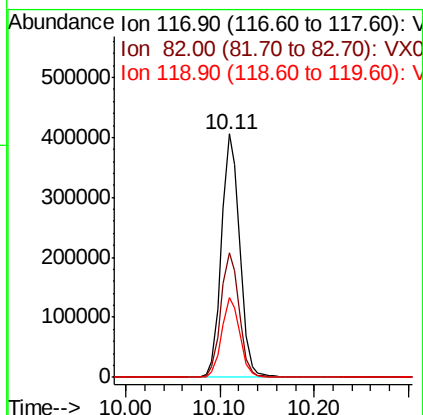
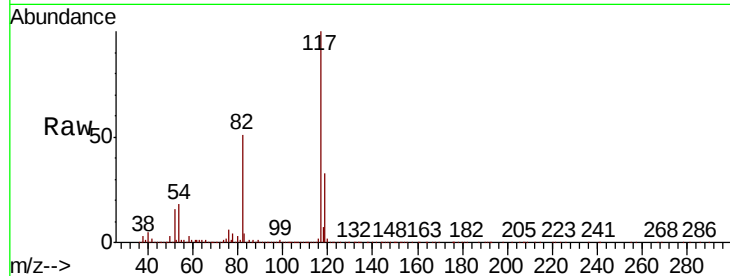




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011740.D
Acq: 21 Aug 2019 19:25

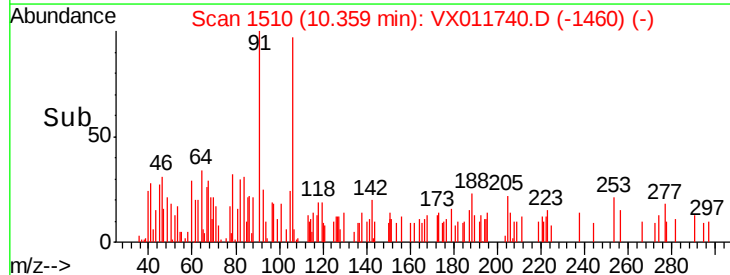
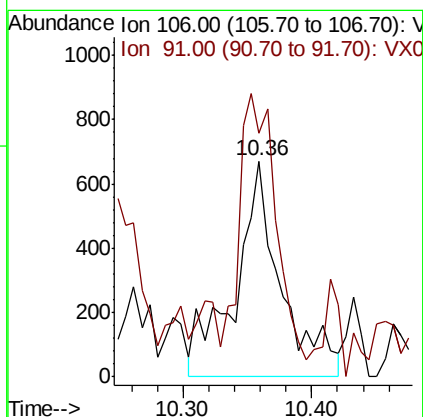
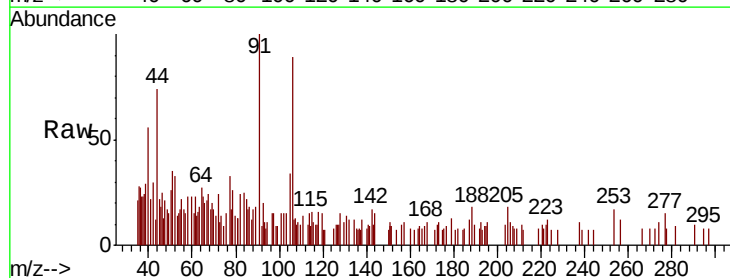
Instrument :
MSVOA_X
ClientSampled :
VX0821WBL02

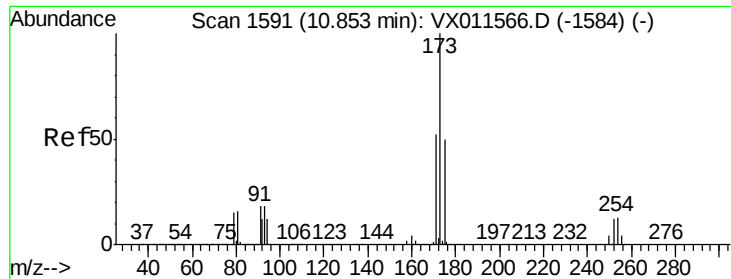
Tgt Ion:117 Resp: 546213
Ion Ratio Lower Upper
117 100
82 51.1 42.0 63.0
119 33.0 26.5 39.7



#68
m/p-Xylenes
Concen: 0.222 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VX011740.D
Acq: 21 Aug 2019 19:25

Tgt Ion:106 Resp: 1657
Ion Ratio Lower Upper
106 100
91 94.5 156.0 234.0#

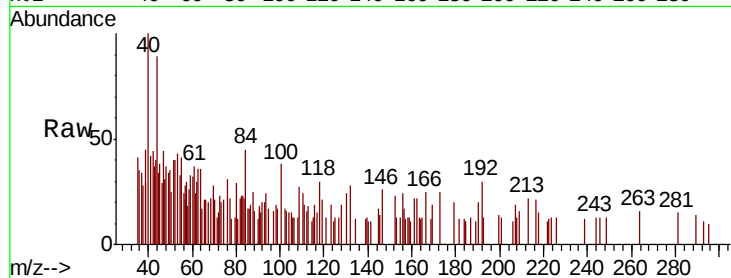




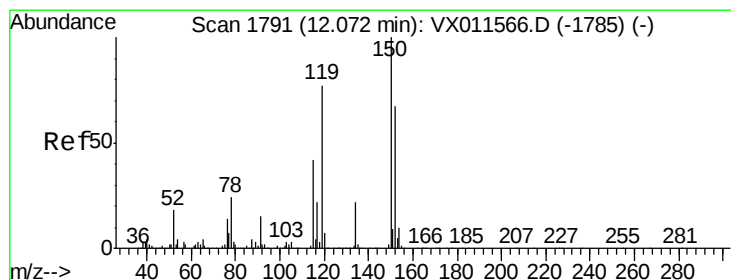
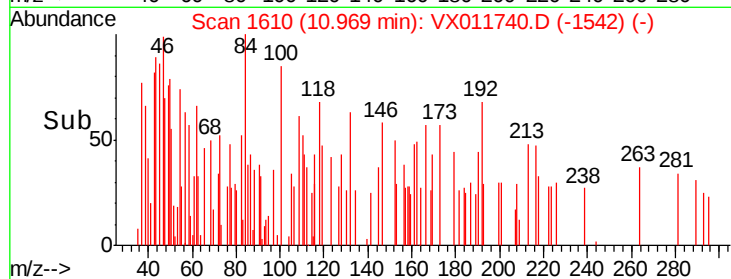
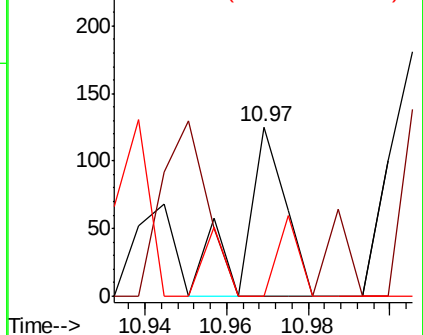
#71
Bromoform
Concen: 3.311 ug/l
RT: 10.97 min Scan# 1610
Delta R.T. 0.12 min
Lab File: VX011740.D
Acq: 21 Aug 2019 19:25

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL02

Tgt Ion:173 Resp: 90
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 24.4 0.1 0.1#

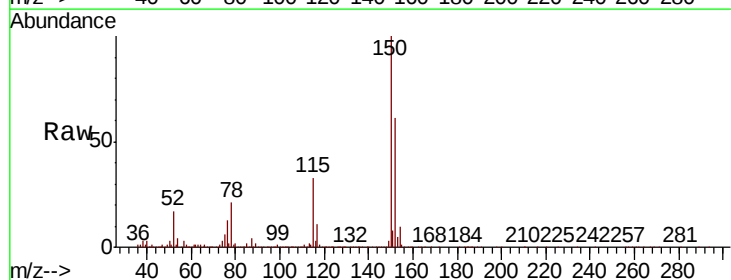


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

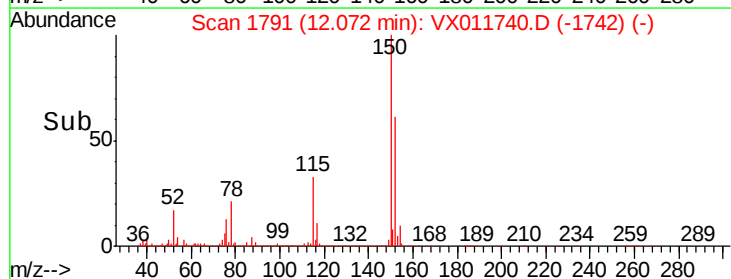
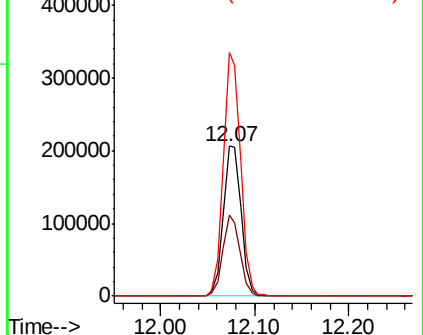


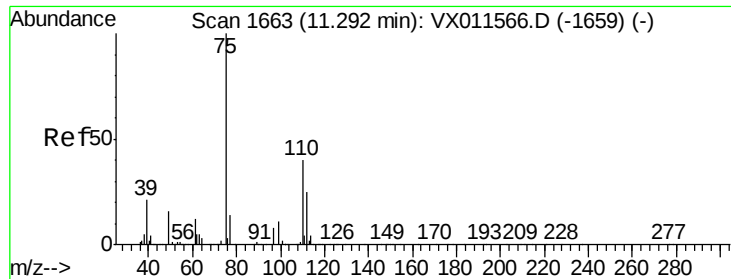
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011740.D
Acq: 21 Aug 2019 19:25

Tgt Ion:152 Resp: 268698
Ion Ratio Lower Upper
152 100
115 52.4 37.3 111.9
150 157.1 0.0 346.2



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: 22.142 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011740.D

Acq: 21 Aug 2019 19:25

Instrument :

MSVOA_X

ClientSampleId :

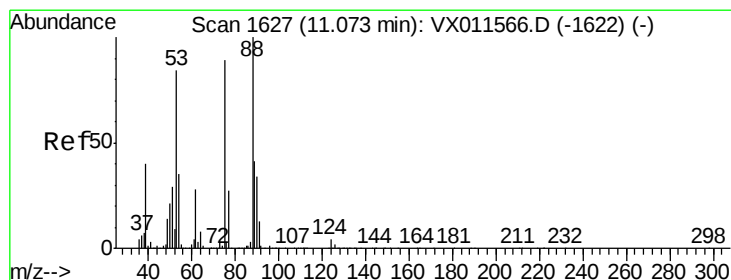
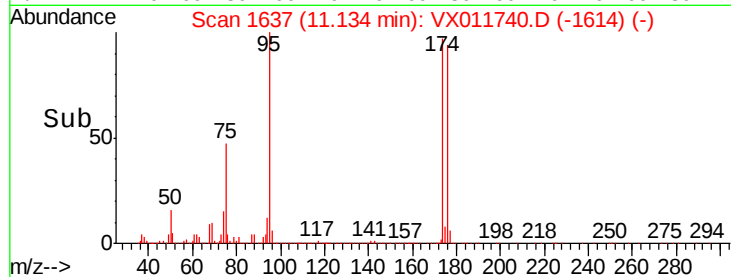
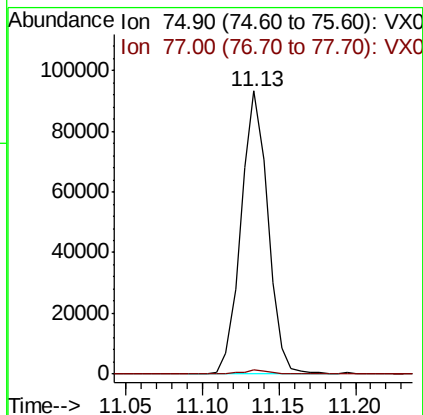
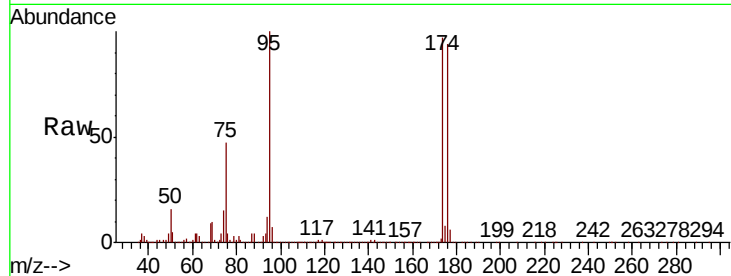
VX0821WBL02

Tgt Ion: 75 Resp: 112819

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.087 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011740.D

Acq: 21 Aug 2019 19:25

Tgt Ion: 75 Resp: 112819

Ion Ratio Lower Upper

75 100

53 0.4 77.4 116.0#

89 0.4 37.3 55.9#

