

Data File : VX013958.D
Acq On : 11 Dec 2019 22:11
Operator : JC/SP
Sample : VX1211WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBL02

Quant Time: Dec 12 04:06:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	562523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	863598	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	768125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	331791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	314592	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
35) Dibromofluoromethane	5.49	113	254386	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	8.71	98	1027362	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.14	95	337133	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	

Target Compounds

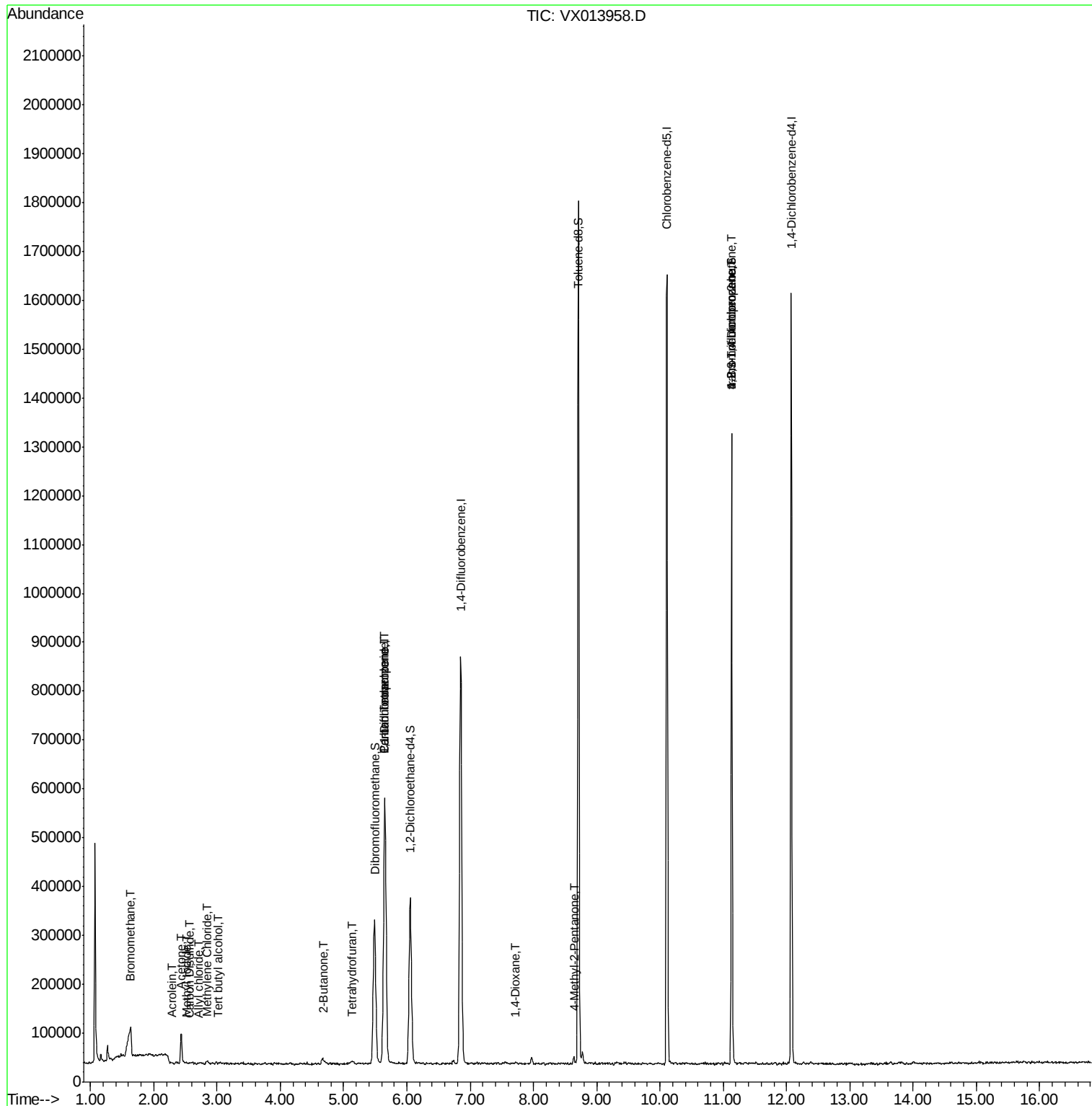
						Qvalue
5) Bromomethane	1.63	94	2760	0.520	ug/l	94
10) Methyl Iodide	2.51	142	2059	0.317	ug/l #	96
11) Tert butyl alcohol	3.03	59	4498	2.791	ug/l	96
13) Acrolein	2.28	56	652	6.594	ug/l #	40
14) Allyl chloride	2.70	41	2347	0.242	ug/l #	44
16) Acetone	2.44	43	69951	21.699	ug/l	97
17) Carbon Disulfide	2.56	76	3415	0.224	ug/l #	76
20) Methylene Chloride	2.85	84	3319	0.536	ug/l #	96
25) 2-Butanone	4.67	43	26005	5.428	ug/l	91
29) Tetrahydrofuran	5.13	42	5673	1.921	ug/l #	82
36) 1,1-Dichloropropene	5.65	75	38398	4.898	ug/l #	53
38) Carbon Tetrachloride	5.65	117	50454	6.980	ug/l #	16
49) 1,4-Dioxane	7.72	88	621	3.944	ug/l #	7
51) 4-Methyl-2-Pentanone	8.64	43	10301	1.131	ug/l #	80
76) 1,2,3-Trichloropropane	11.13	75	166039	22.250	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	166039	60.871	ug/l #	11

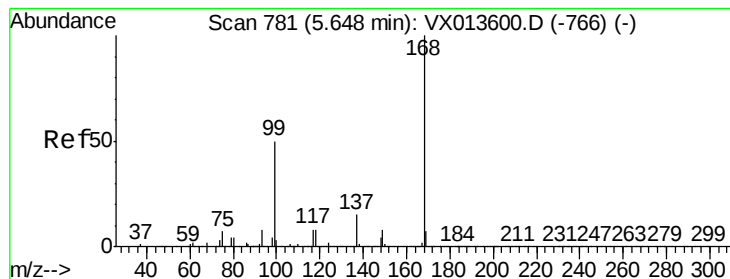
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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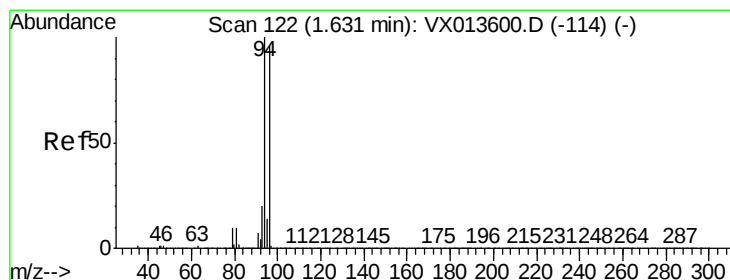
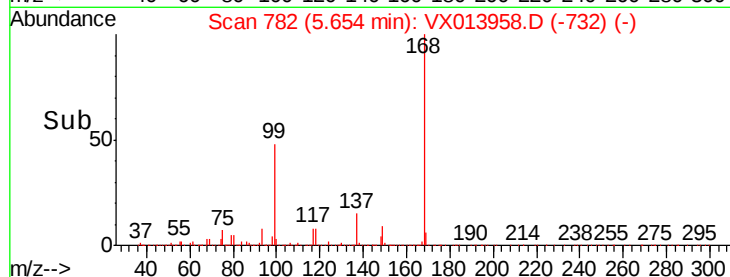
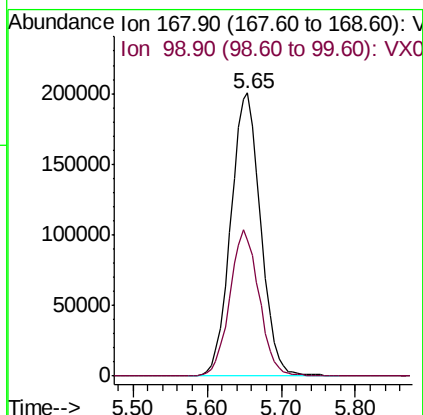
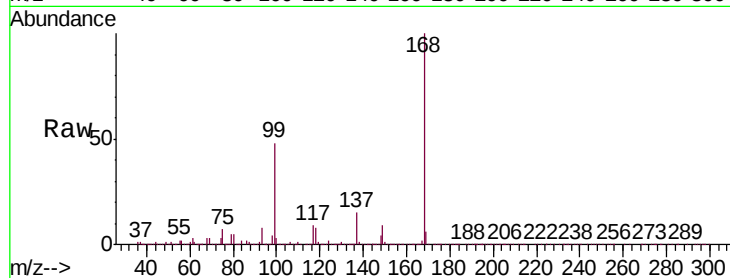


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX013958.D
 Acq: 11 Dec 2019 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBL02

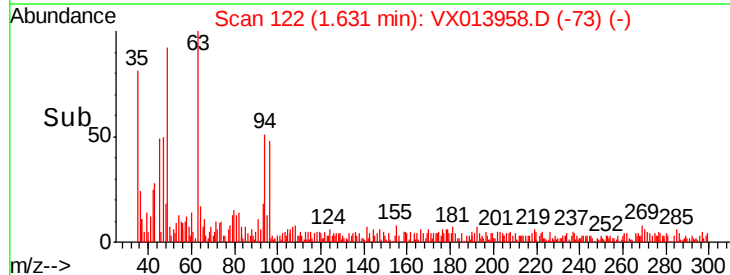
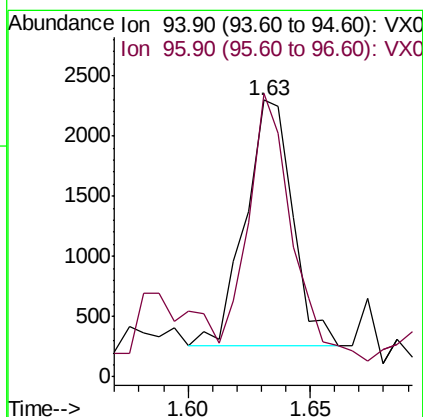
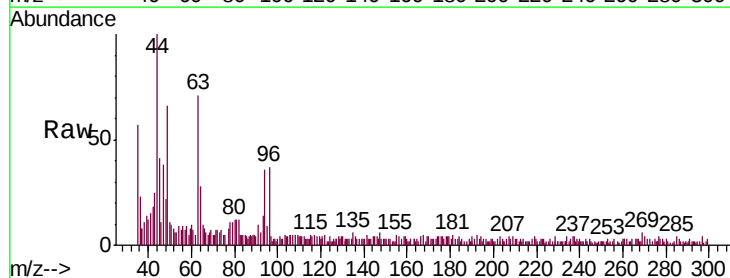
Tgt Ion:168 Resp: 562523
 Ion Ratio Lower Upper
 168 100
 99 48.2 39.8 59.8

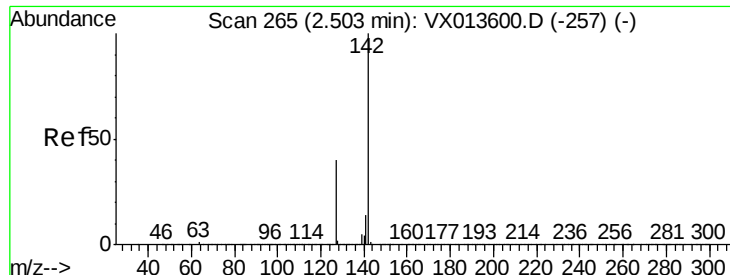


#5

Bromomethane
 Concen: 0.520 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. -0.00 min
 Lab File: VX013958.D
 Acq: 11 Dec 2019 22:11

Tgt Ion: 94 Resp: 2760
 Ion Ratio Lower Upper
 94 100
 96 102.2 77.0 115.4

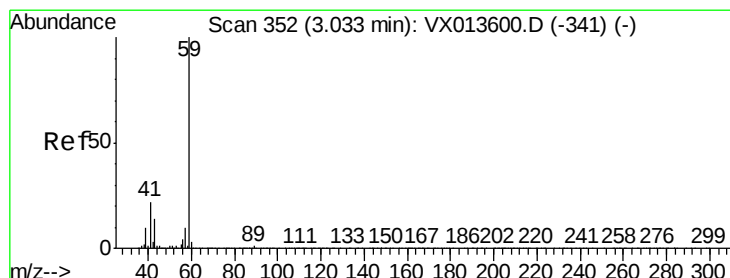
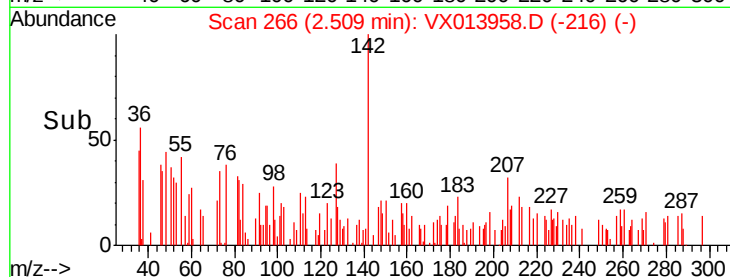
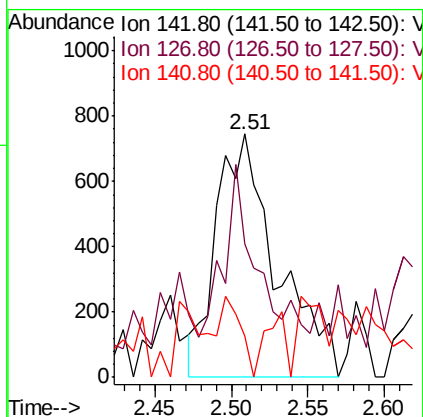
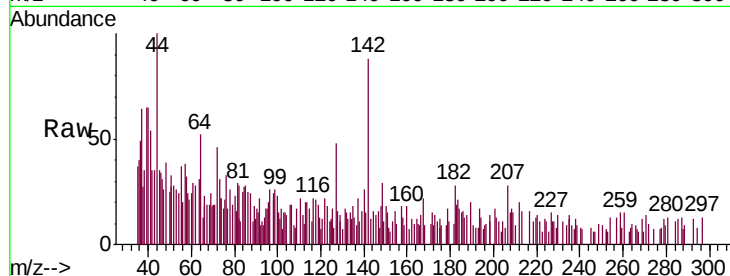




#10
Methyl Iodide
Concen: 0.317 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013958.D
Acq: 11 Dec 2019 22:11

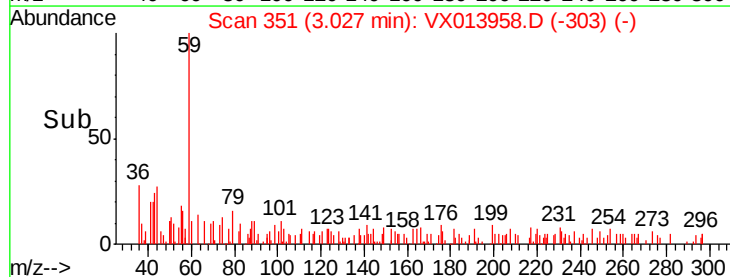
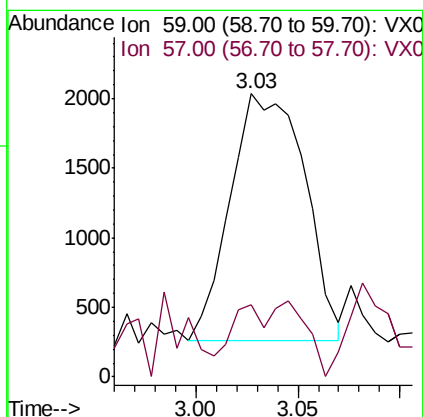
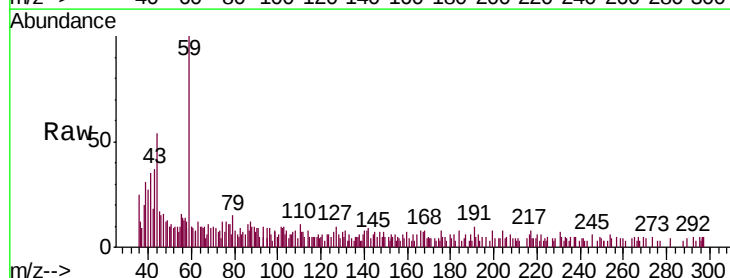
Instrument :
MSVOA_X
ClientSampleId :
VX1211WBL02

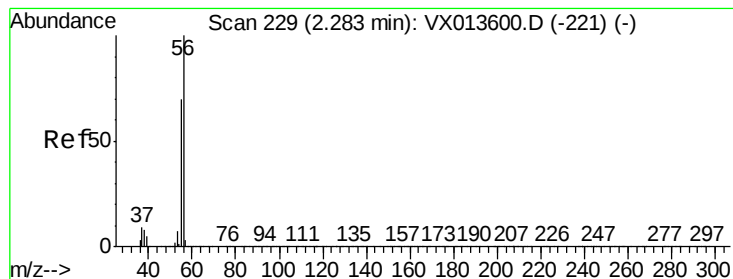
Tgt Ion: 142 Resp: 2059
Ion Ratio Lower Upper
142 100
127 39.6 31.0 46.4
141 10.2 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.791 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013958.D
Acq: 11 Dec 2019 22:11

Tgt Ion: 59 Resp: 4498
Ion Ratio Lower Upper
59 100
57 8.1 7.8 11.6





#13

Acrolein

Concen: 6.594 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013958.D

Acq: 11 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

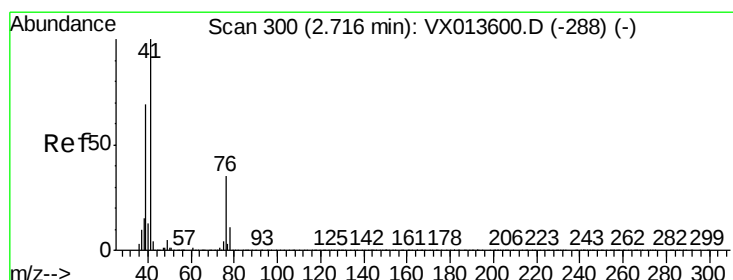
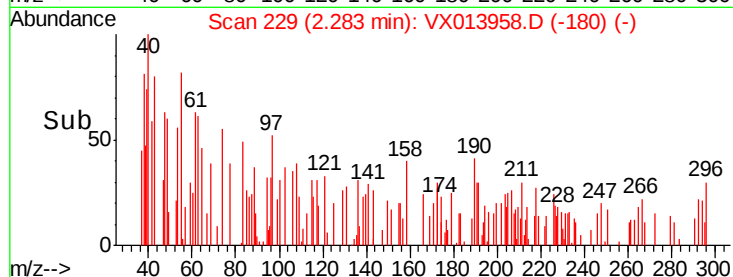
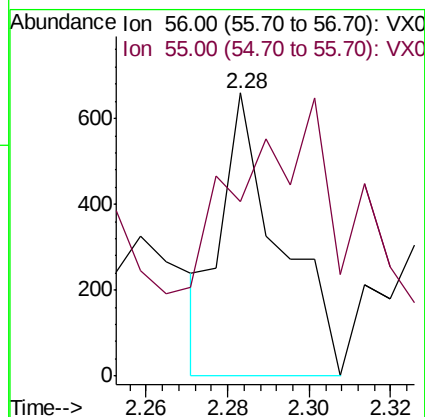
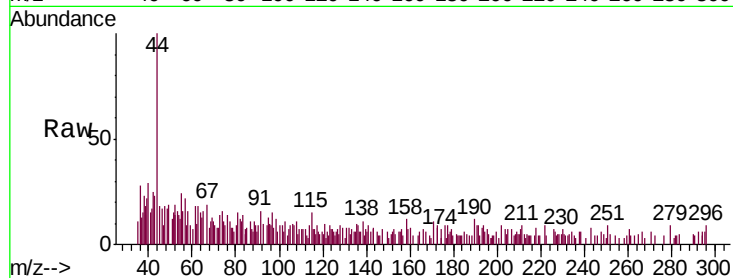
VX1211WBL02

Tgt Ion: 56 Resp: 652

Ion Ratio Lower Upper

56 100

55 119.3 56.2 84.4#



#14

Allyl chloride

Concen: 0.242 ug/l

RT: 2.70 min Scan# 298

Delta R.T. -0.01 min

Lab File: VX013958.D

Acq: 11 Dec 2019 22:11

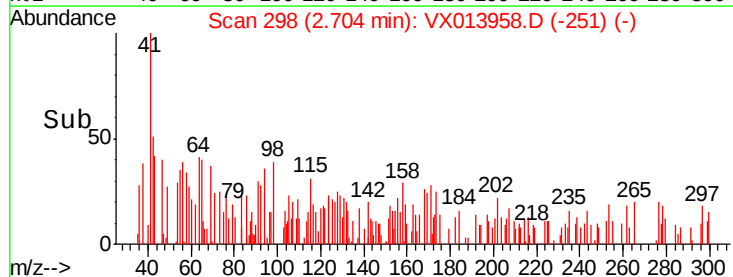
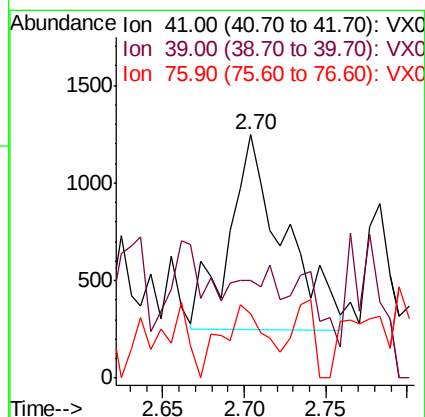
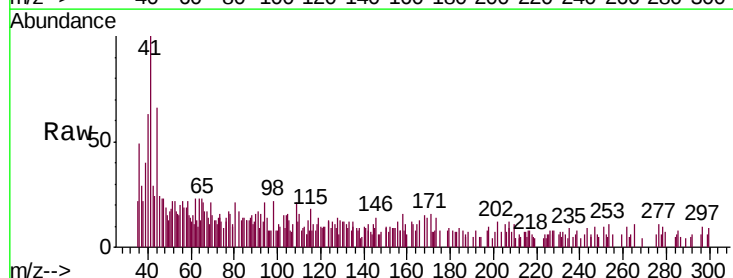
Tgt Ion: 41 Resp: 2347

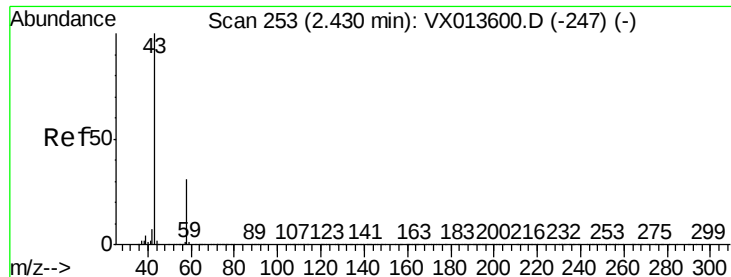
Ion Ratio Lower Upper

41 100

39 0.0 51.7 77.5#

76 29.8 25.9 38.9





#16

Acetone

Concen: 21.699 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013958.D

Acq: 11 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

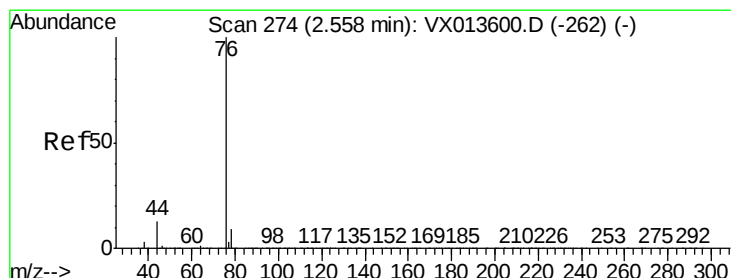
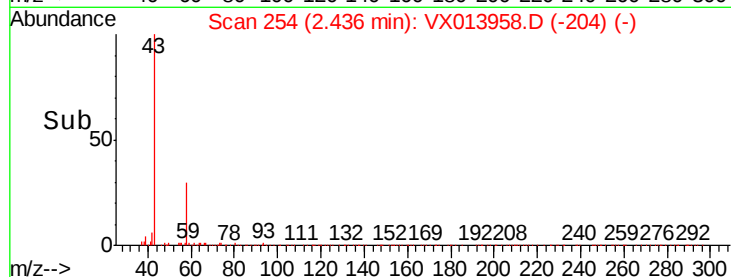
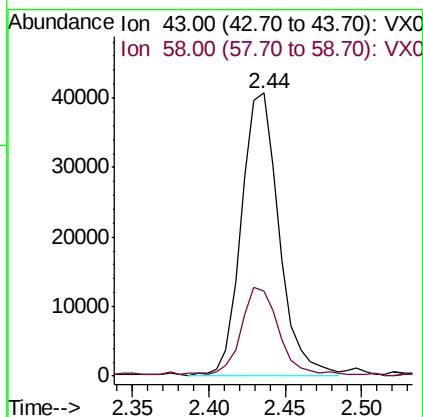
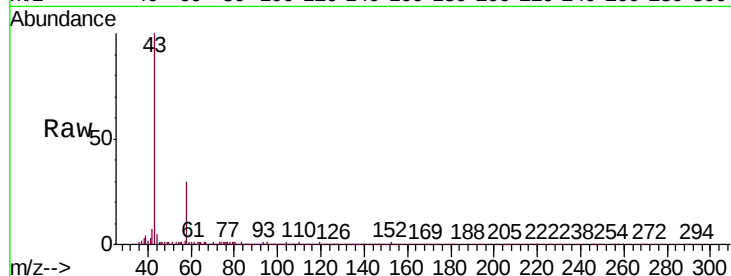
VX1211WBL02

Tgt Ion: 43 Resp: 69951

Ion Ratio Lower Upper

43 100

58 29.2 24.6 36.8



#17

Carbon Disulfide

Concen: 0.224 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013958.D

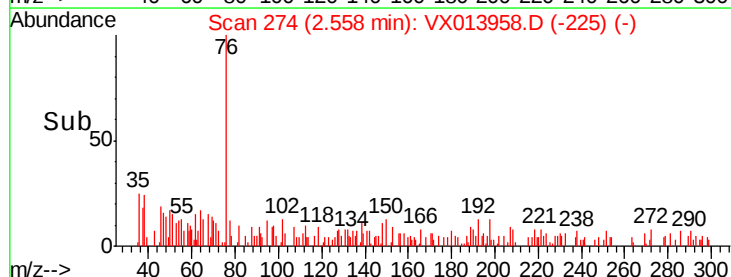
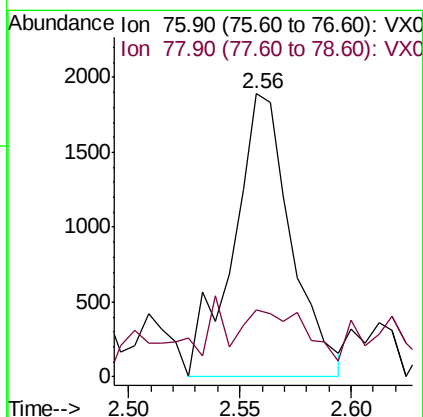
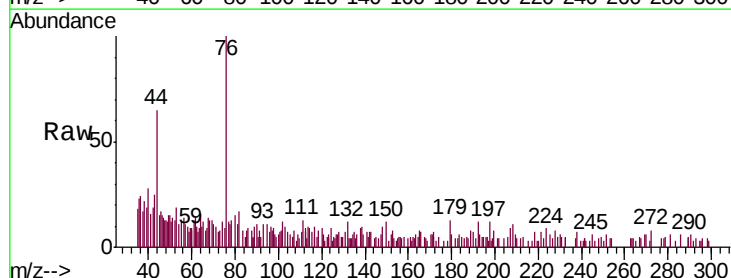
Acq: 11 Dec 2019 22:11

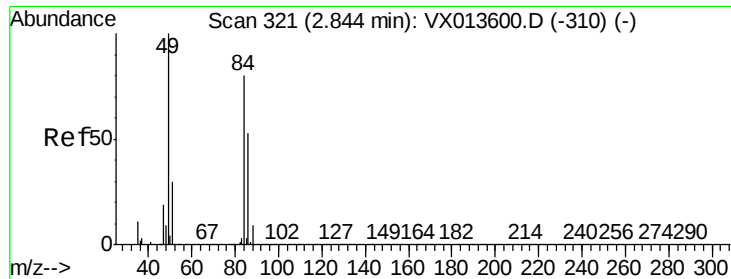
Tgt Ion: 76 Resp: 3415

Ion Ratio Lower Upper

76 100

78 17.8 7.2 10.8#

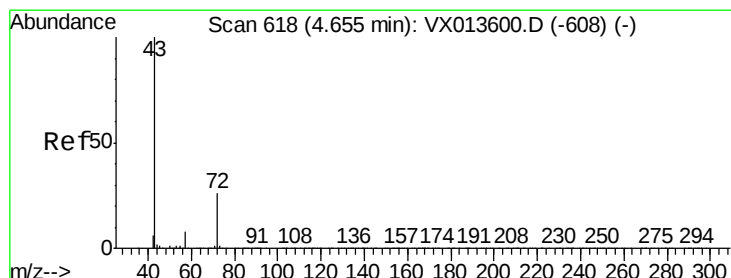
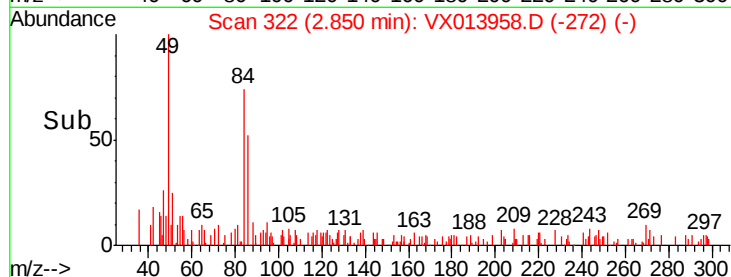
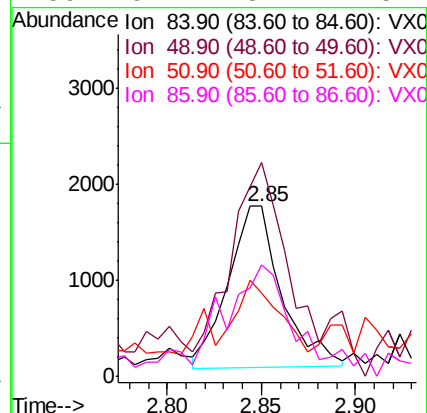
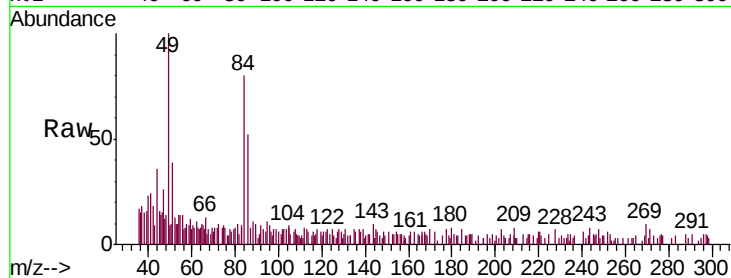




#20
Methylene Chloride
Concen: 0.536 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013958.D
Acq: 11 Dec 2019 22:11

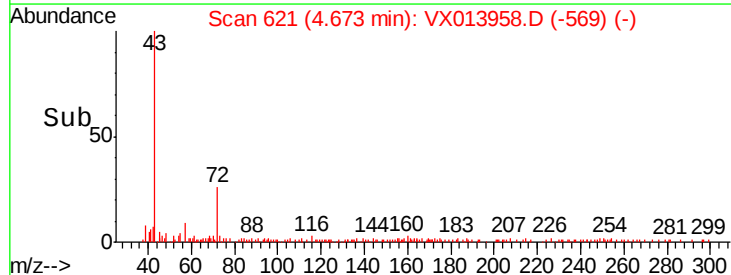
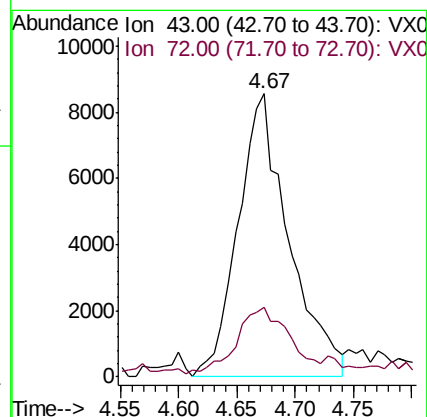
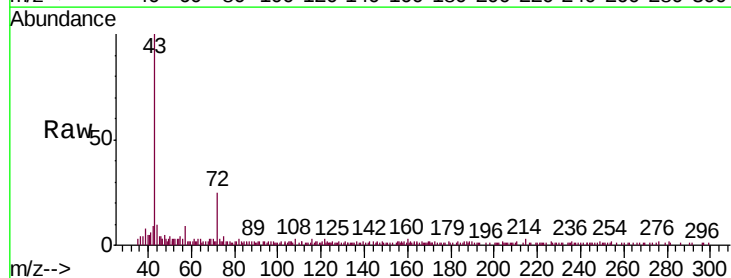
Instrument :
MSVOA_X
ClientSampleId :
VX1211WBL02

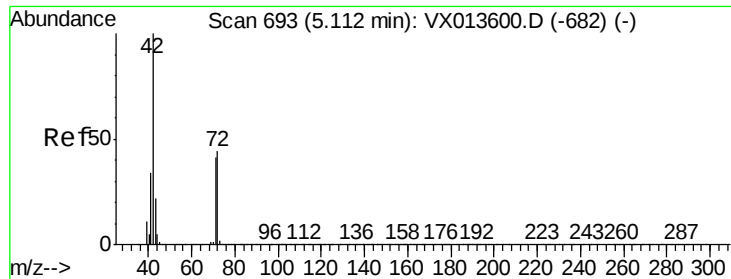
Tgt Ion: 84 Resp: 3319
Ion Ratio Lower Upper
84 100
49 123.0 99.7 149.5
51 28.4 29.9 44.9#
86 64.2 52.2 78.4



#25
2-Butanone
Concen: 5.428 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX013958.D
Acq: 11 Dec 2019 22:11

Tgt Ion: 43 Resp: 26005
Ion Ratio Lower Upper
43 100
72 21.5 20.6 31.0

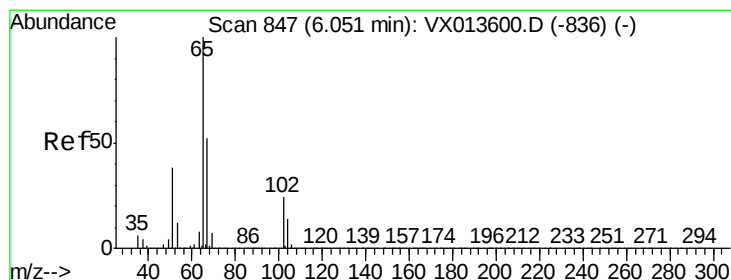
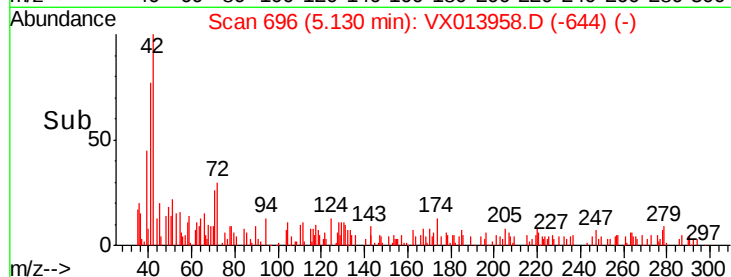
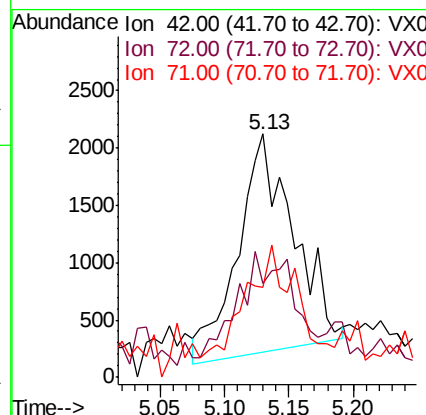
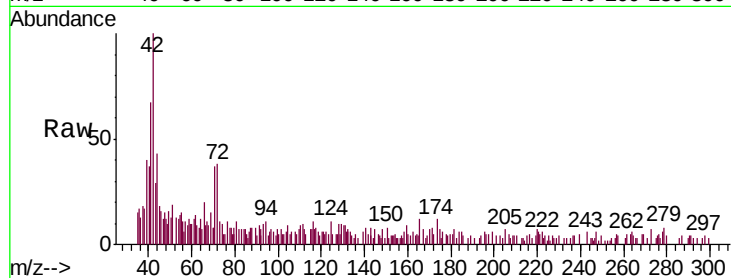




#29
Tetrahydrofuran
Concen: 1.921 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX013958.D
Acq: 11 Dec 2019 22:11

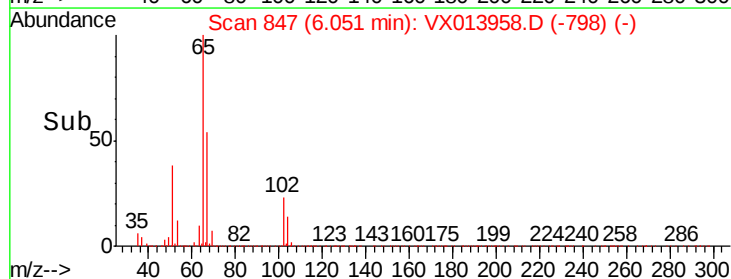
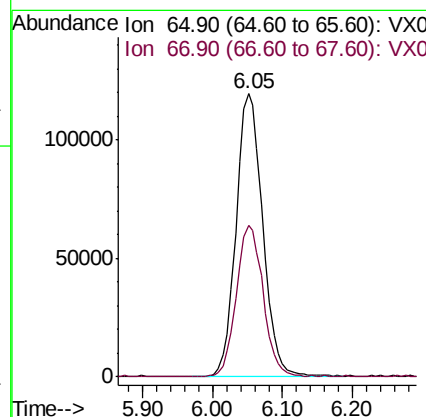
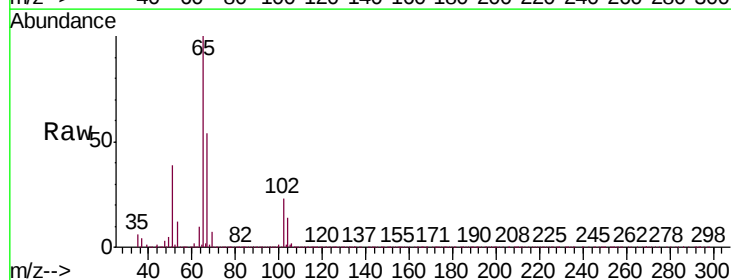
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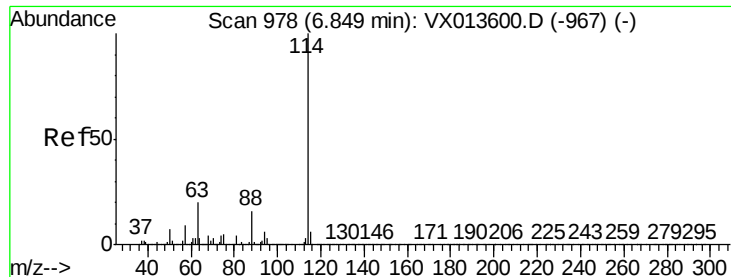
Tgt Ion: 42 Resp: 5673
Ion Ratio Lower Upper
42 100
72 23.6 36.3 54.5#
71 42.4 33.2 49.8



#33
1,2-Dichloroethane-d4
Concen: 48.179 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013958.D
Acq: 11 Dec 2019 22:11

Tgt Ion: 65 Resp: 314592
Ion Ratio Lower Upper
65 100
67 53.8 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013958.D

Acq: 11 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBL02

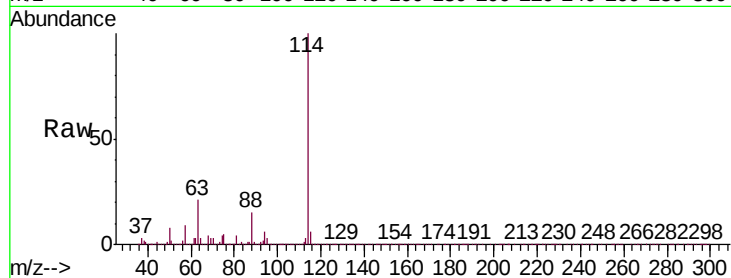
Tgt Ion:114 Resp: 863598

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

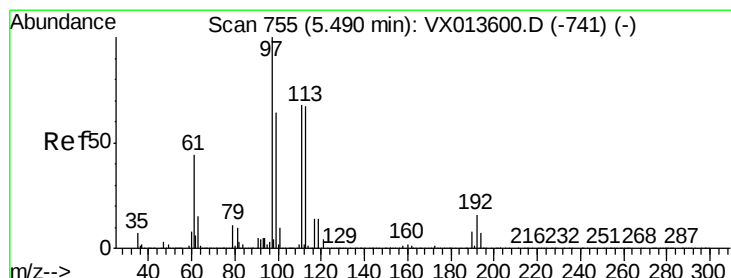
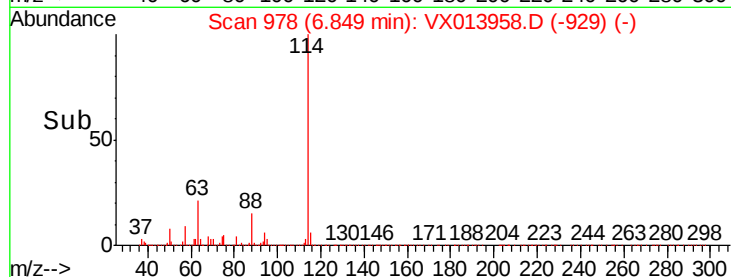
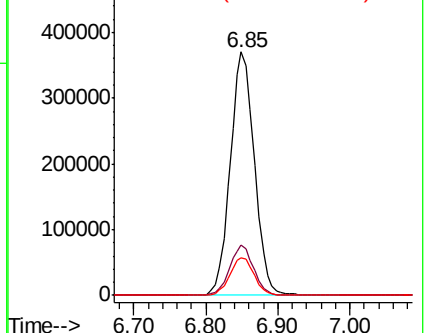
88 15.3 0.0 31.4



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: 47.648 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013958.D

Acq: 11 Dec 2019 22:11

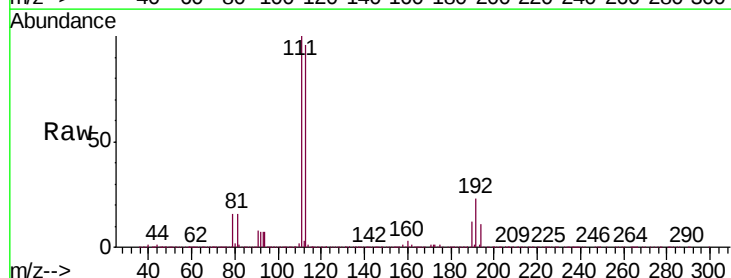
Tgt Ion:113 Resp: 254386

Ion Ratio Lower Upper

113 100

111 103.1 83.6 125.4

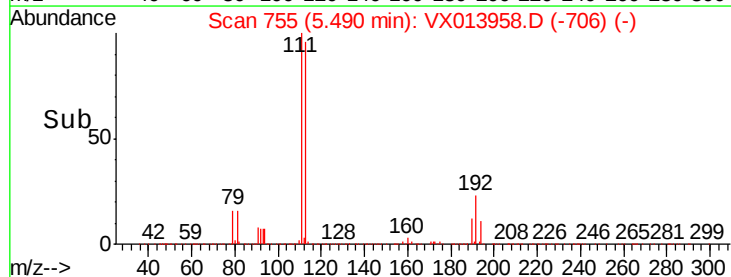
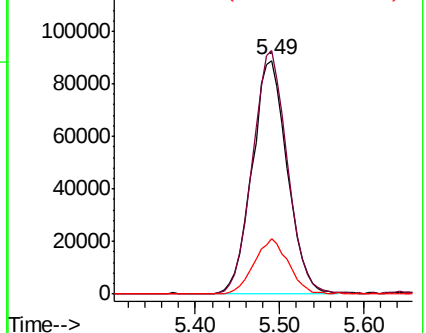
192 23.3 19.2 28.8

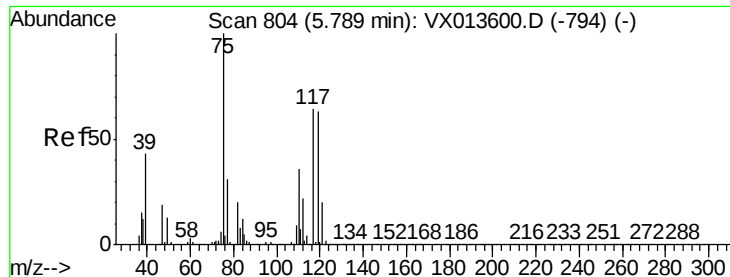


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.898 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013958.D

Acq: 11 Dec 2019 22:11

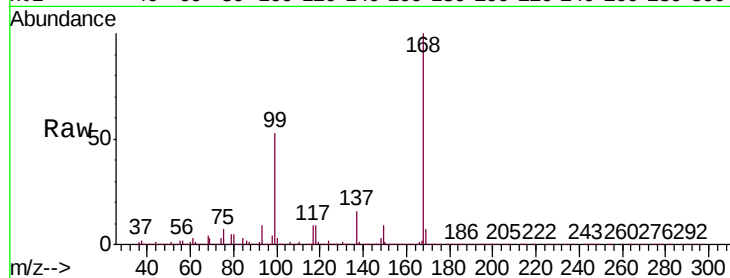
Instrument :

MSVOA_X

ClientSampleId :

VX1211WBL02

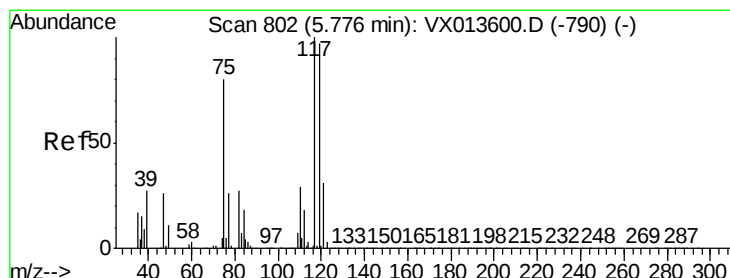
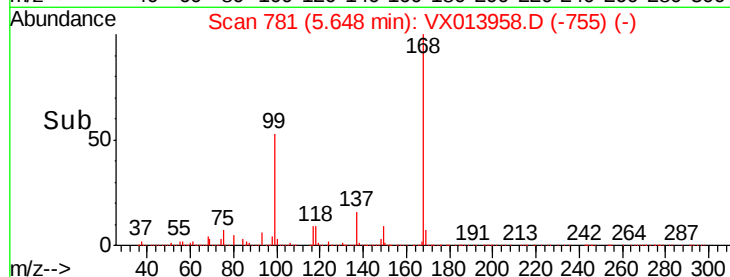
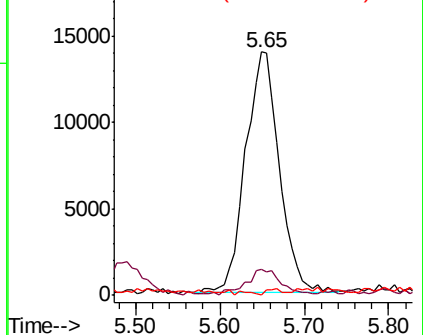
Tgt Ion:	75	Resp:	38398
Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.1	54.1#
77	1.6	24.5	36.7#



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



#38

Carbon Tetrachloride

Concen: 6.980 ug/l

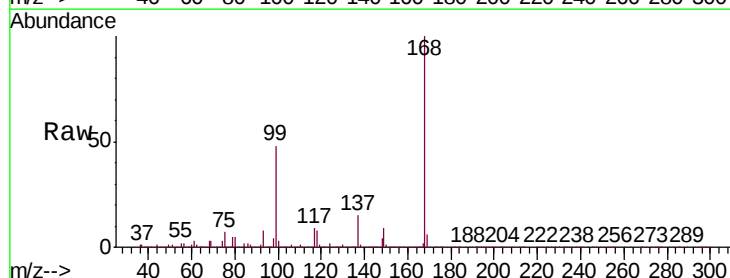
RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013958.D

Acq: 11 Dec 2019 22:11

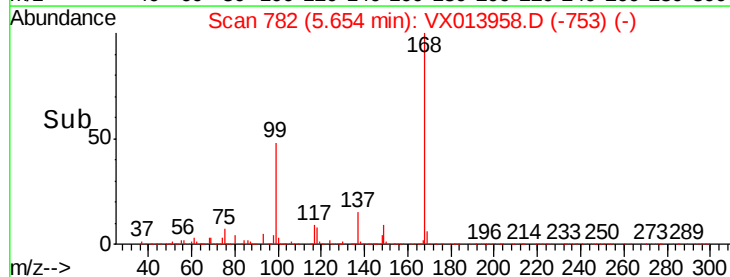
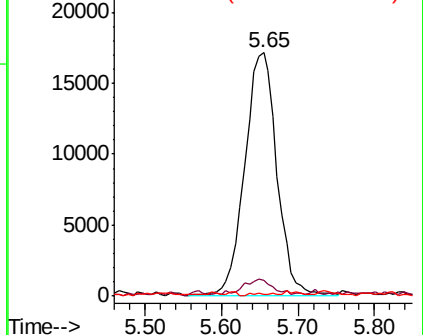
Tgt Ion:	117	Resp:	50454
Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.5	116.3#
121	0.0	25.0	37.6#

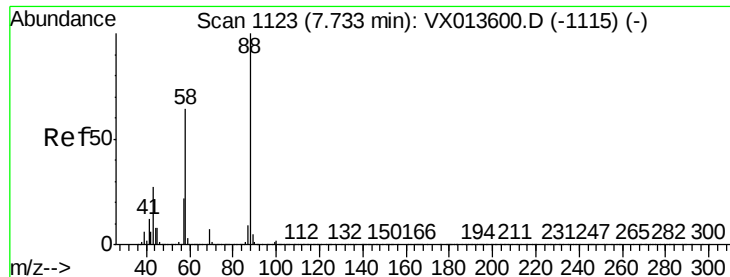


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 3.944 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX013958.D

Acq: 11 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBL02

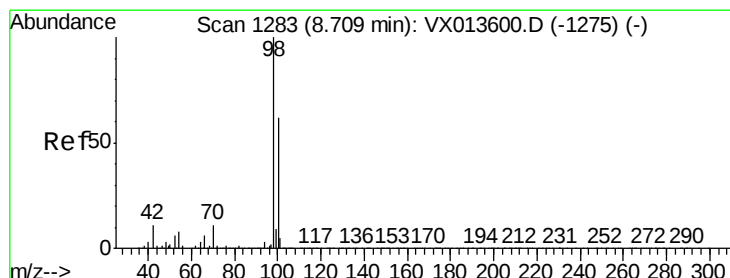
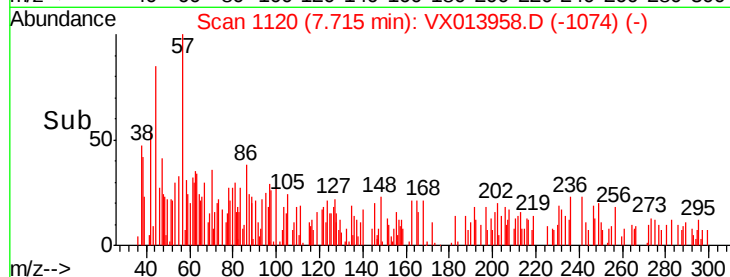
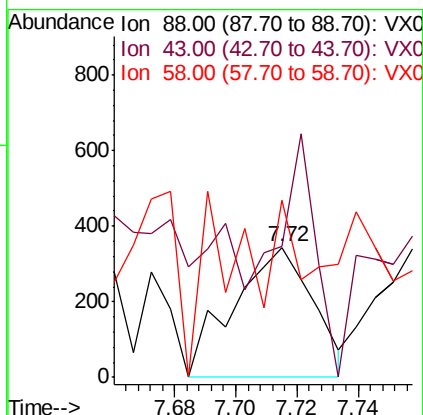
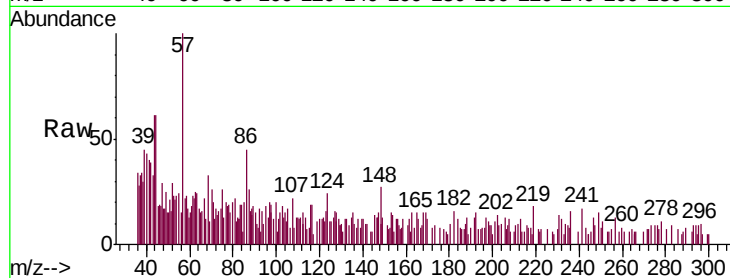
Tgt Ion: 88 Resp: 621

Ion Ratio Lower Upper

88 100

43 95.0 25.8 38.6#

58 0.0 54.6 82.0#



#50

Toluene-d8

Concen: 49.390 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013958.D

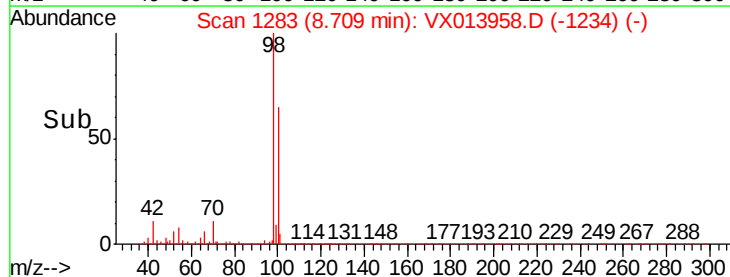
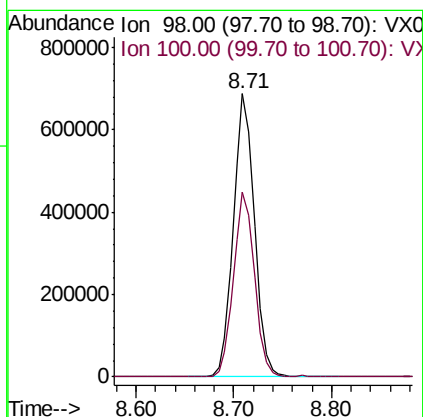
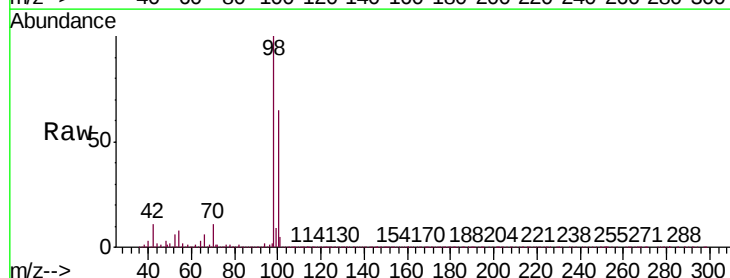
Acq: 11 Dec 2019 22:11

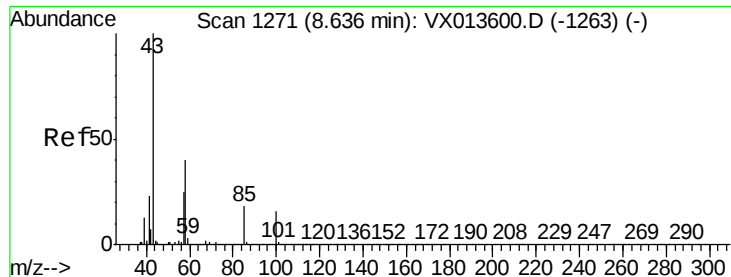
Tgt Ion: 98 Resp: 1027362

Ion Ratio Lower Upper

98 100

100 65.0 53.1 79.7

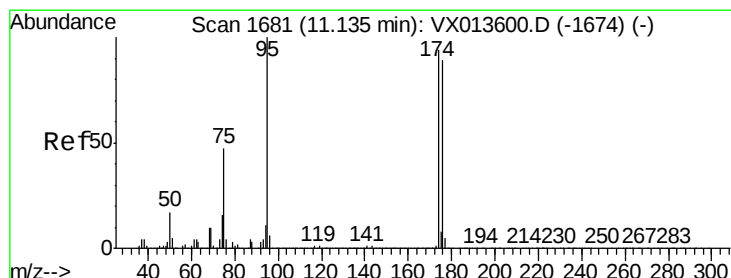
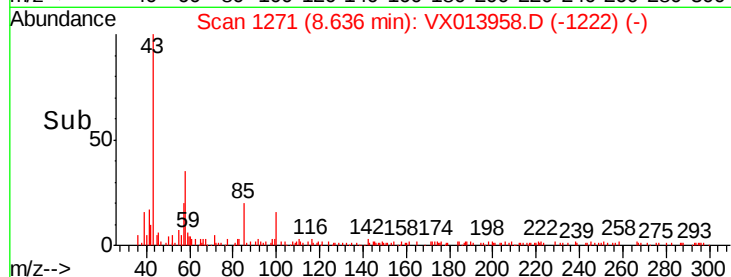
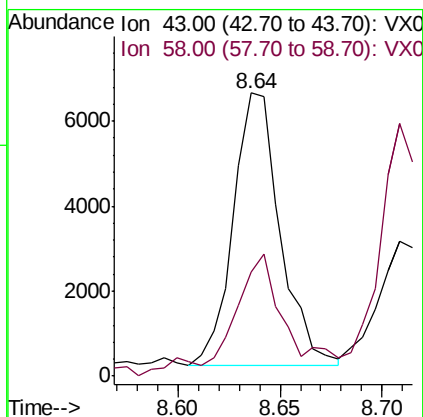
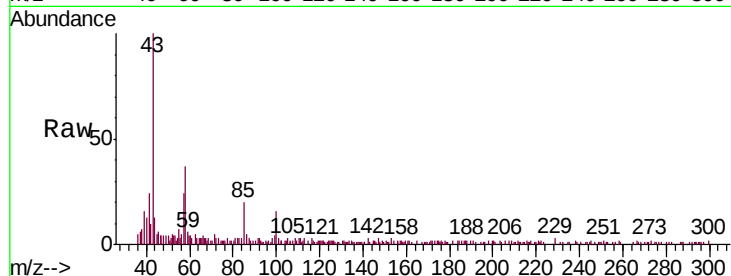




#51
 4-Methyl-2-Pentanone
 Concen: 1.131 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VX013958.D
 Acq: 11 Dec 2019 22:11

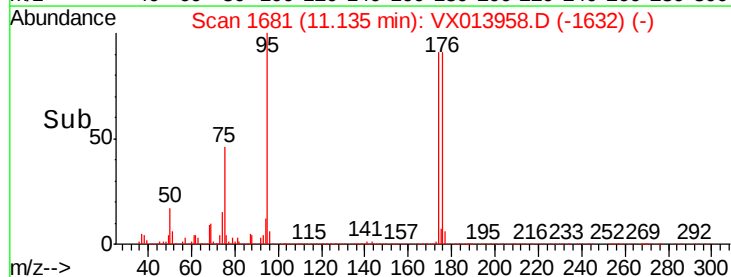
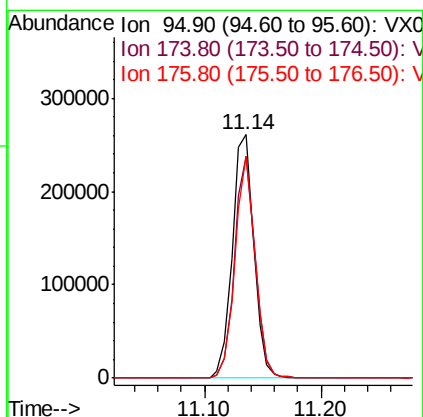
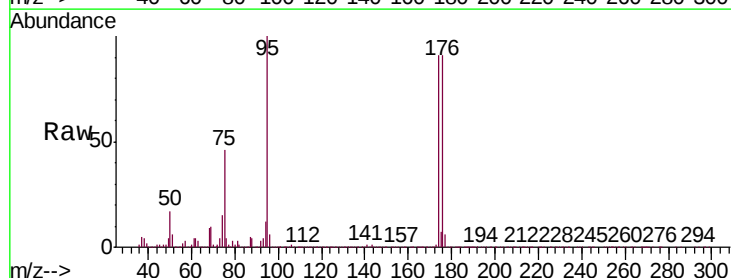
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBL02

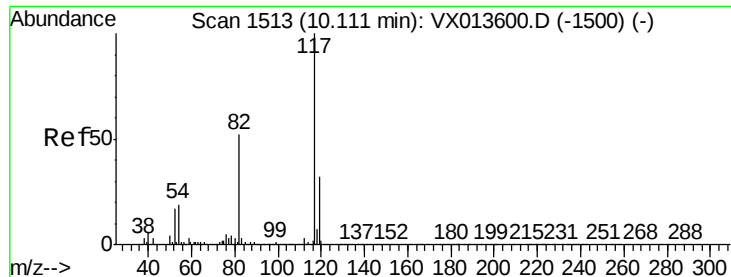
Tgt Ion: 43 Resp: 10301
 Ion Ratio Lower Upper
 43 100
 58 52.4 32.1 48.1#



#62
 4-Bromofluorobenzene
 Concen: 44.946 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX013958.D
 Acq: 11 Dec 2019 22:11

Tgt Ion: 95 Resp: 337133
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 180.0
 176 85.3 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013958.D

Acq: 11 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBL02

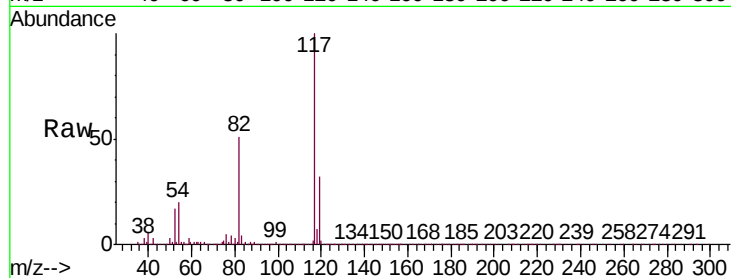
Tgt Ion:117 Resp: 768125

Ion Ratio Lower Upper

117 100

82 51.3 41.8 62.8

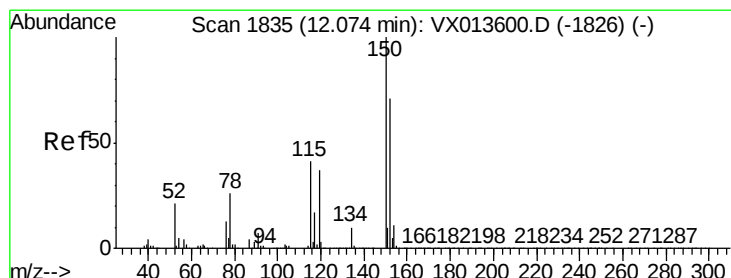
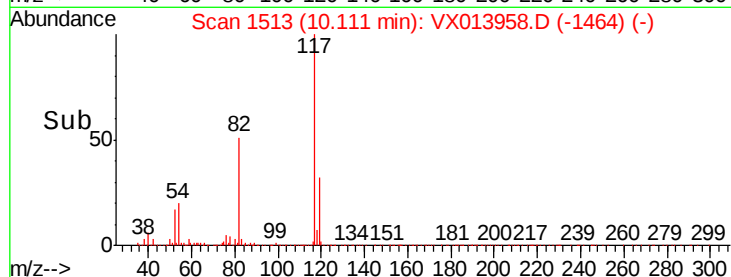
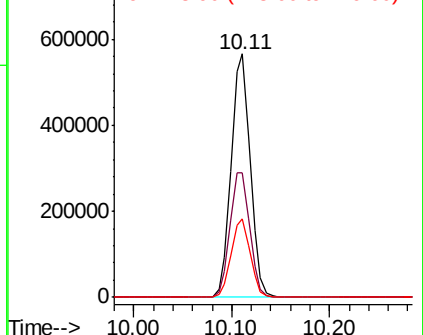
119 32.4 25.8 38.8



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013958.D

Acq: 11 Dec 2019 22:11

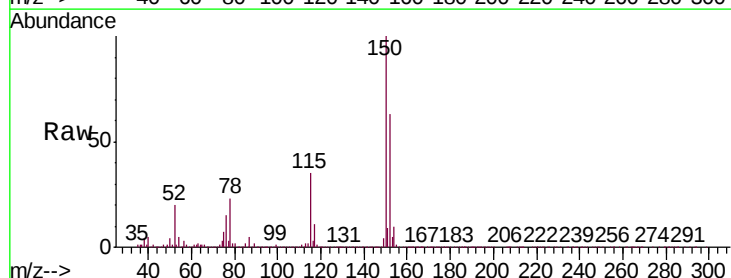
Tgt Ion:152 Resp: 331791

Ion Ratio Lower Upper

152 100

115 55.8 38.4 115.1

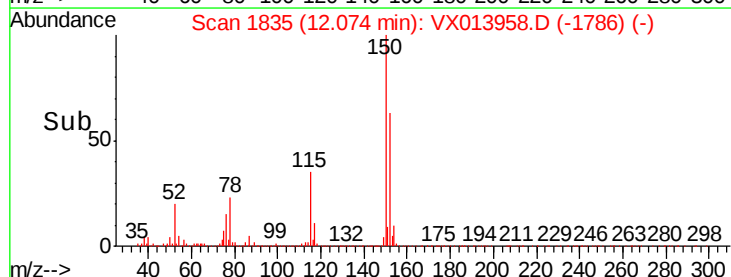
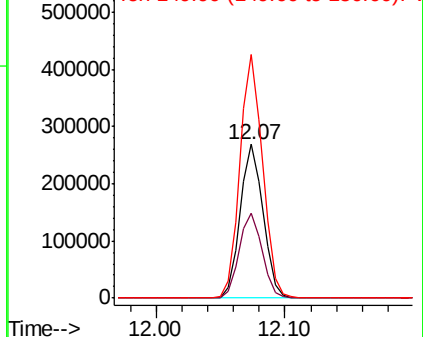
150 156.6 0.0 346.8

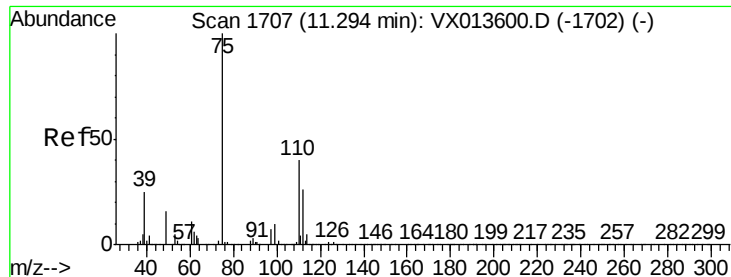


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.250 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013958.D

Acq: 11 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

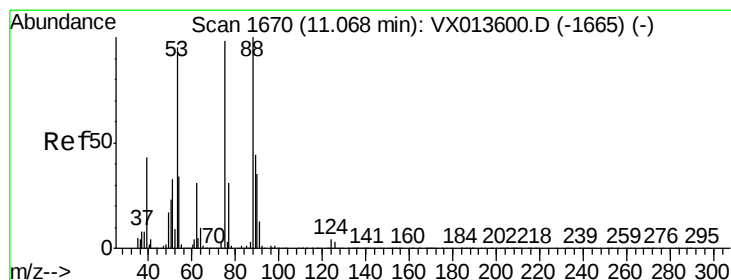
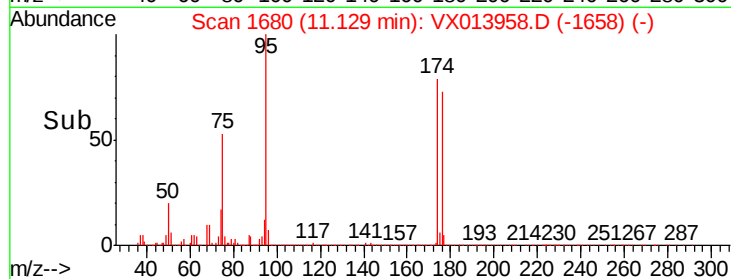
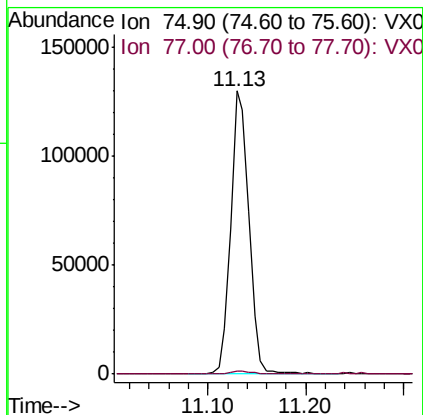
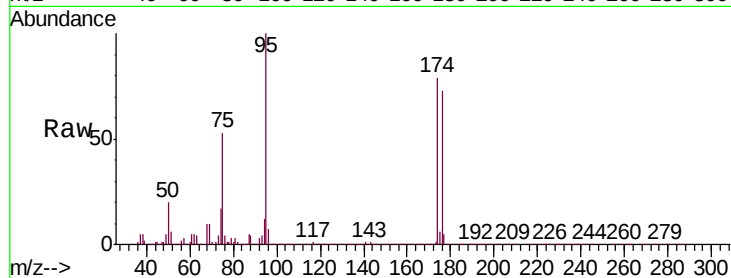
VX1211WBL02

Tgt Ion: 75 Resp: 166039

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.871 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013958.D

Acq: 11 Dec 2019 22:11

Tgt Ion: 75 Resp: 166039

Ion Ratio Lower Upper

75 100

53 0.4 78.2 117.2#

89 0.3 35.4 53.2#

