

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013555.D
 Acq On : 23 Nov 2019 00:30
 Operator : JC/SP
 Sample : K5962-03DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120DL

Quant Time: Nov 23 02:33:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	629844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1012949	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	886814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	394015	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	370842	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
35) Dibromofluoromethane	5.49	113	304233	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
50) Toluene-d8	8.71	98	1208475	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.14	95	399960	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

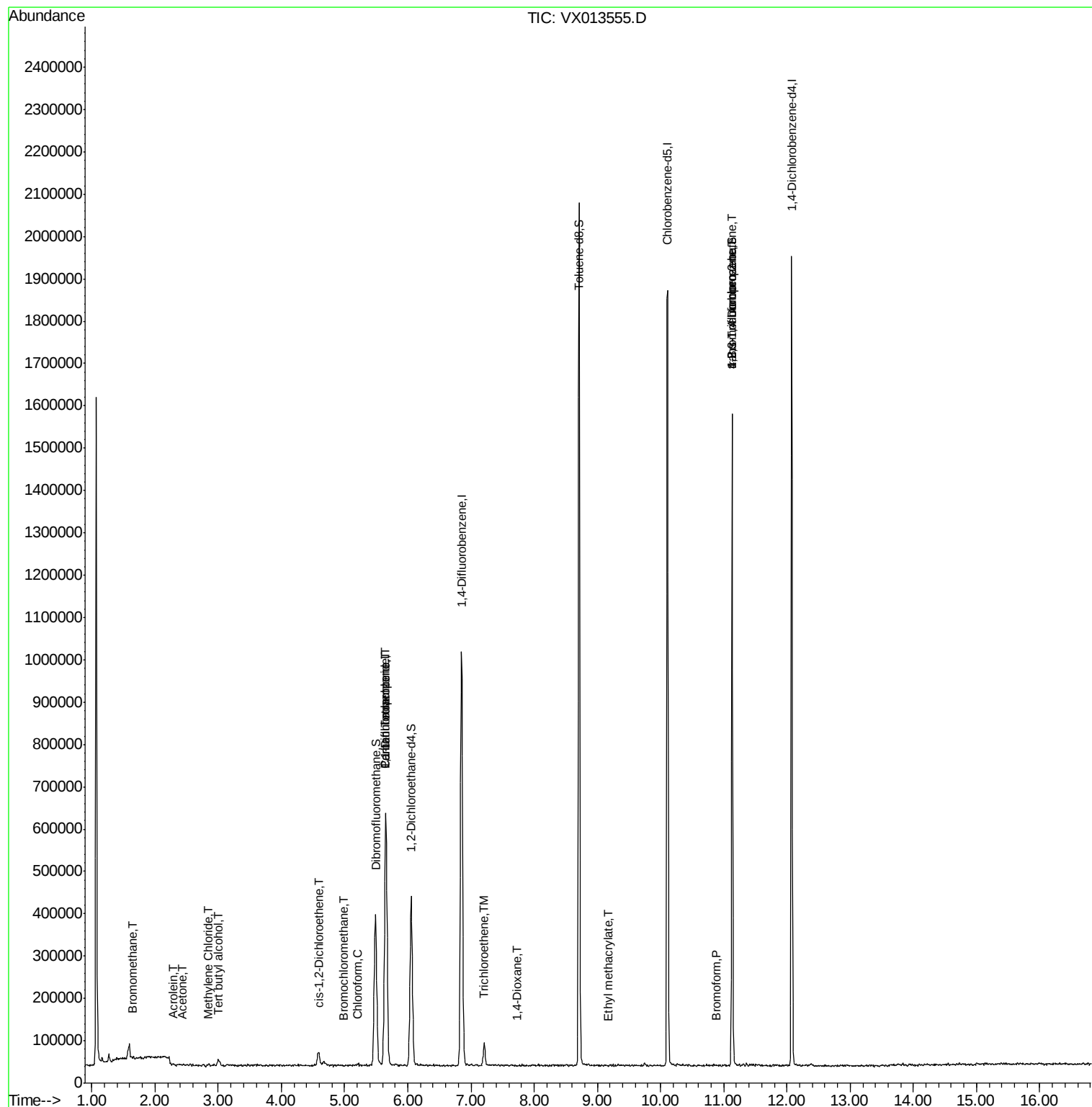
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1956	0.313	ug/l #	65
6) Chloroethane	1.69	64	288	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	8815	4.482	ug/l	99
13) Acrolein	2.28	56	376	0.353	ug/l #	64
16) Acetone	2.44	43	2641	0.710	ug/l #	79
20) Methylene Chloride	2.85	84	2120	0.308	ug/l #	63
27) cis-1,2-Dichloroethene	4.58	96	21446	3.043	ug/l	93
28) Bromochloromethane	4.98	49	726	0.226	ug/l #	51
30) Chloroform	5.20	83	2980	0.266	ug/l	86
36) 1,1-Dichloropropene	5.65	75	43023	4.951	ug/l #	51
38) Carbon Tetrachloride	5.65	117	56102	6.602	ug/l #	17
44) Trichloroethene	7.20	130	23085	3.098	ug/l	97
49) 1,4-Dioxane	7.73	88	355	1.857	ug/l #	1
56) Ethyl methacrylate	9.18	69	137	1.574	ug/l #	1
71) Bromoform	10.87	173	179	3.230	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	192262	24.024	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	192262	61.837	ug/l #	10

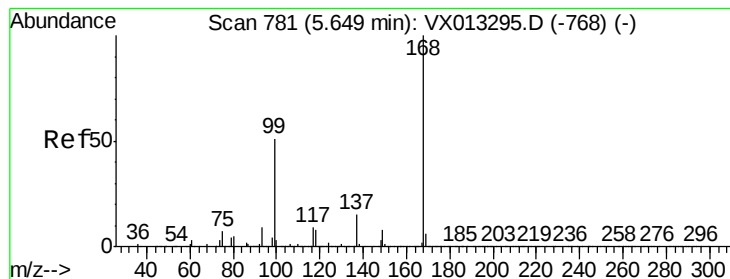
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 02 07:06:38 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013555.D

Acq: 23 Nov 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

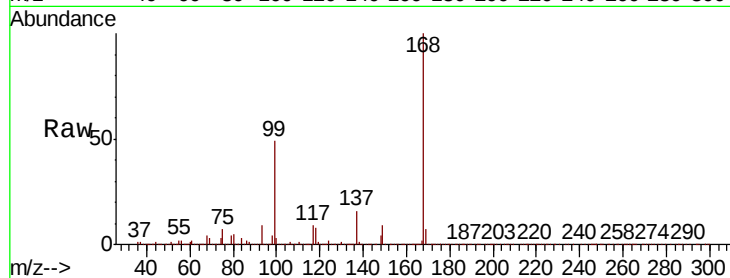
15BR-20191120DL

Tot Ion:168 Resp: 629844

Ion Ratio Lower Upper

168 100

99 49.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

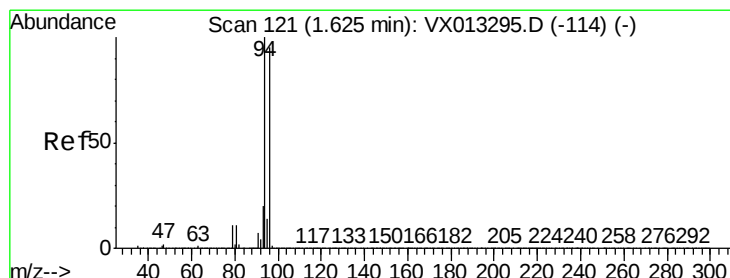
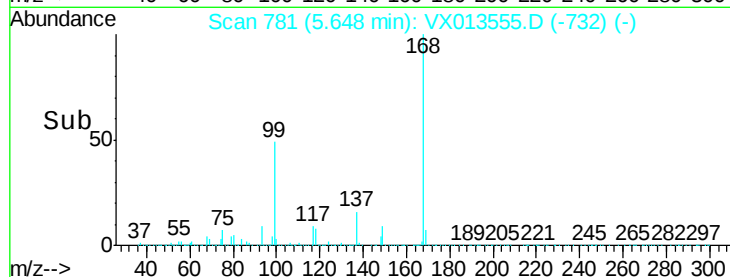
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.313 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX013555.D

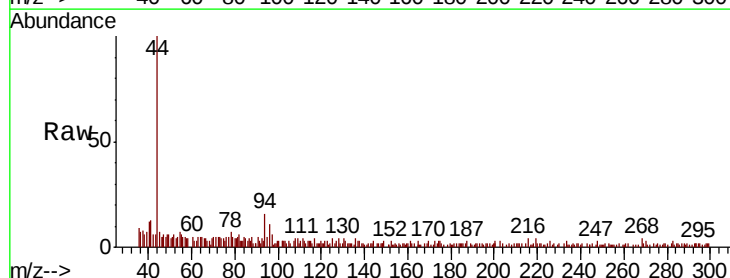
Acq: 23 Nov 2019 00:30

Tgt Ion: 94 Resp: 1956

Ion Ratio Lower Upper

94 100

96 60.4 75.8 113.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1200

1000

800

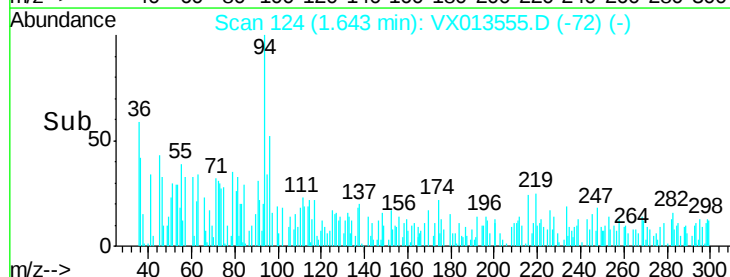
600

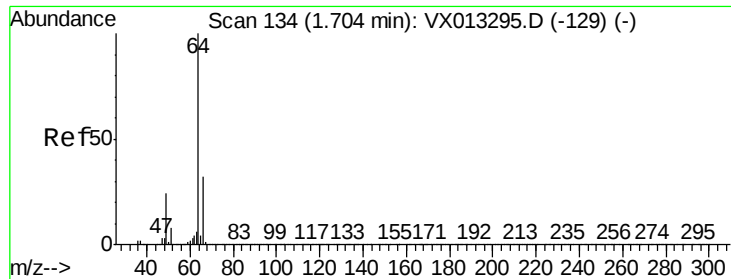
400

200

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 132

Delta R.T. -0.01 min

Lab File: VX013555.D

Acq: 23 Nov 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

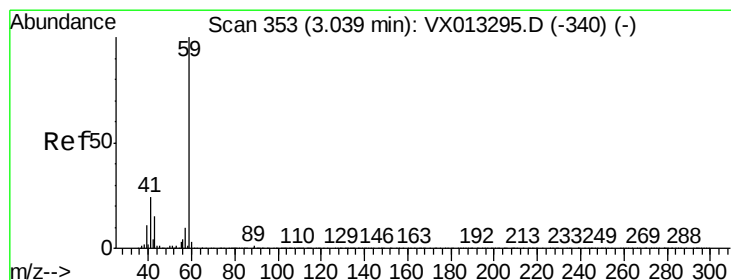
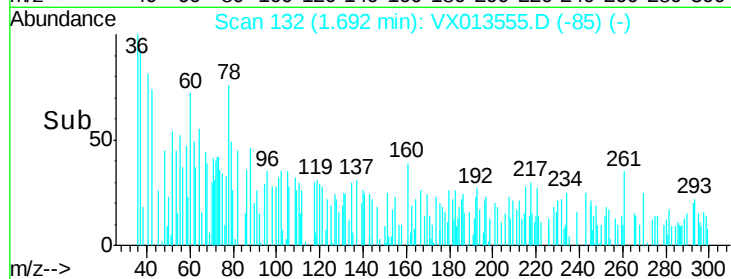
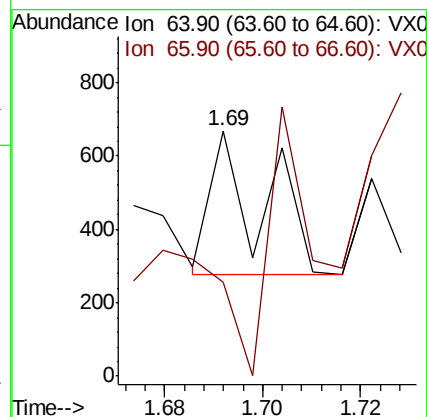
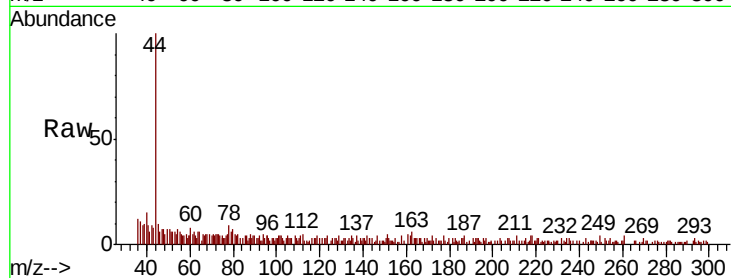
15BR-20191120DL

Tot Ion: 64 Resp: 288

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#11

Tert butyl alcohol

Concen: 4.482 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX013555.D

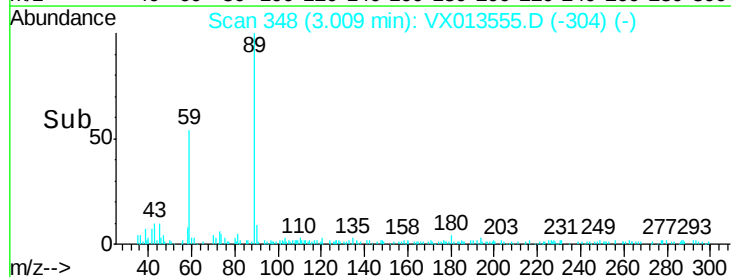
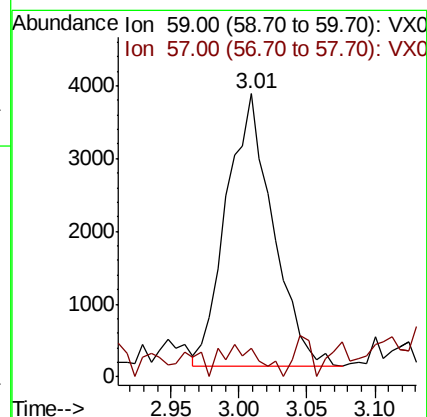
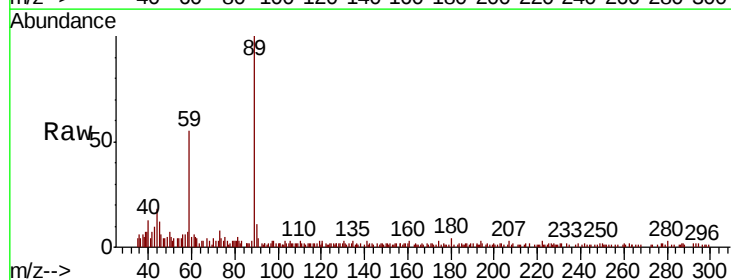
Acq: 23 Nov 2019 00:30

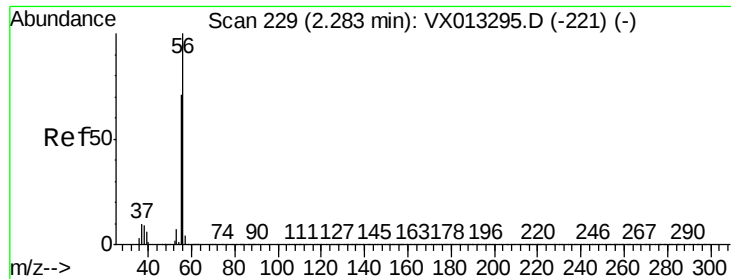
Tgt Ion: 59 Resp: 8815

Ion Ratio Lower Upper

59 100

57 9.8 8.0 12.0





#13

Acrolein

Concen: 0.353 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013555.D

Acq: 23 Nov 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

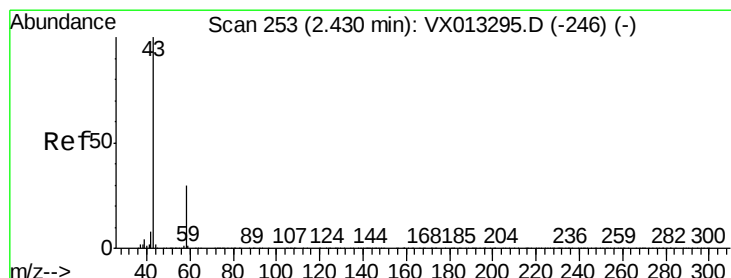
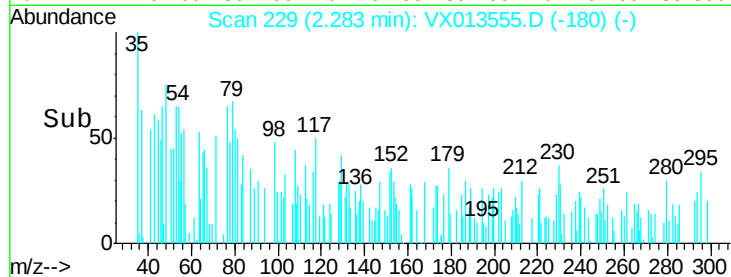
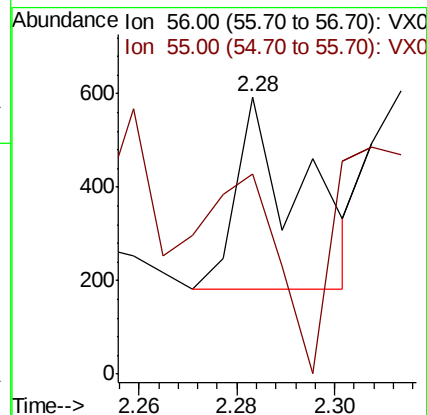
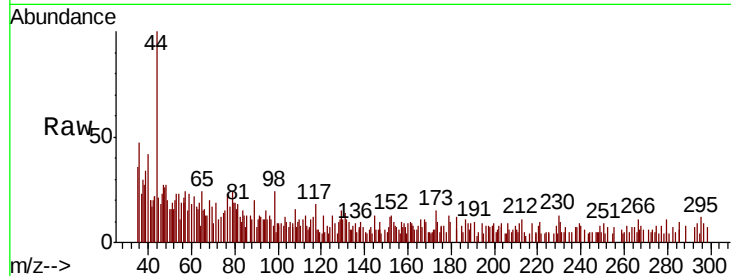
15BR-20191120DL

Tot Ion: 56 Resp: 376

Ion Ratio Lower Upper

56 100

55 101.3 57.4 86.0#



#16

Acetone

Concen: 0.710 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013555.D

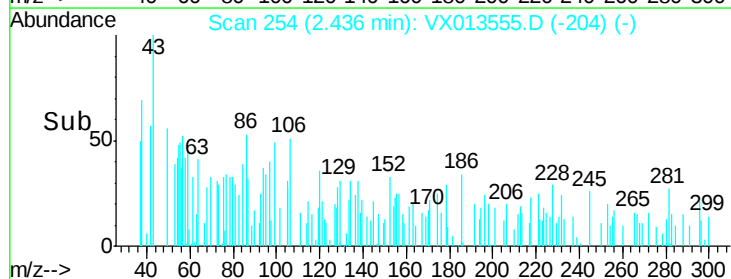
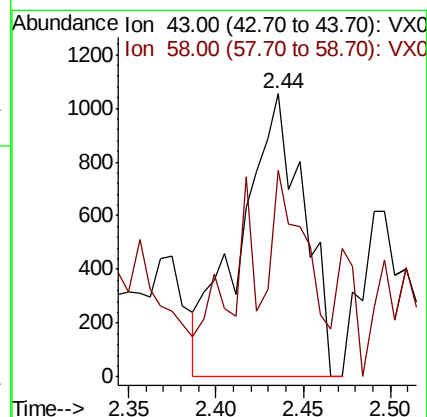
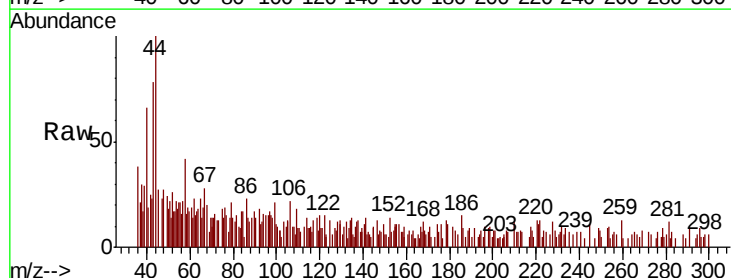
Acq: 23 Nov 2019 00:30

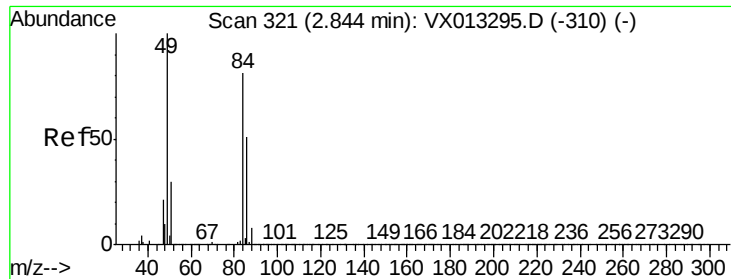
Tgt Ion: 43 Resp: 2641

Ion Ratio Lower Upper

43 100

58 41.9 24.3 36.5#

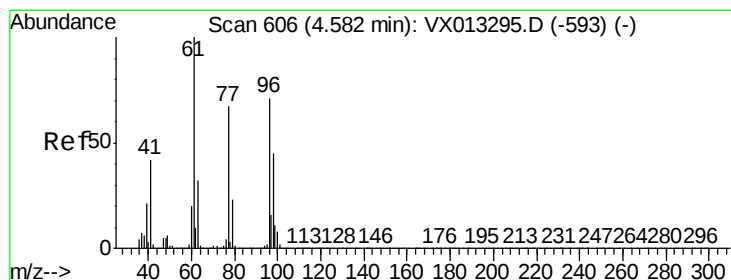
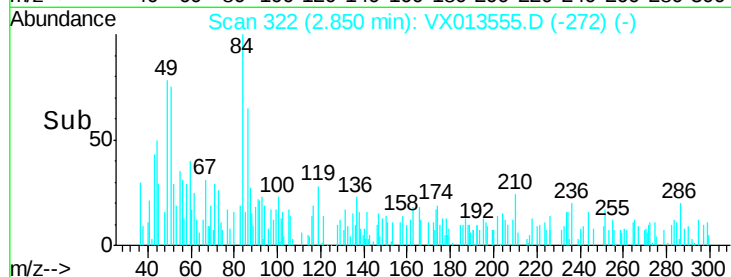
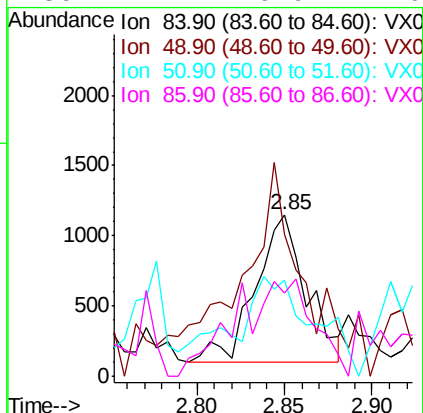
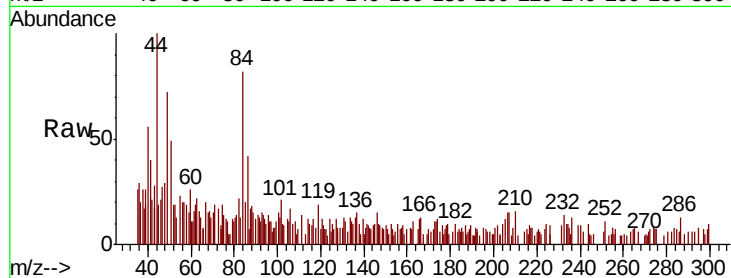




#20
Methvlene Chloride
Concen: 0.308 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013555.D
Acq: 23 Nov 2019 00:30

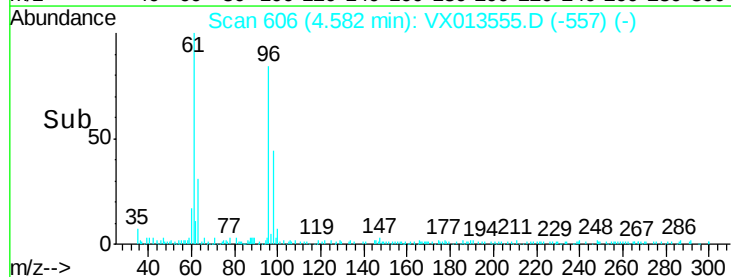
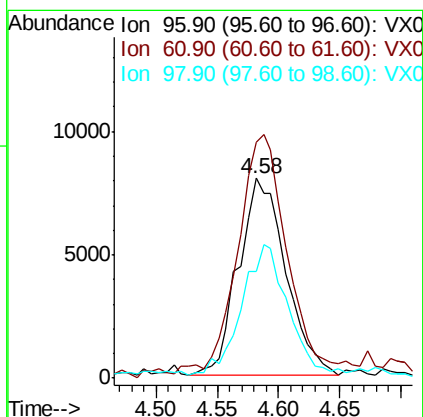
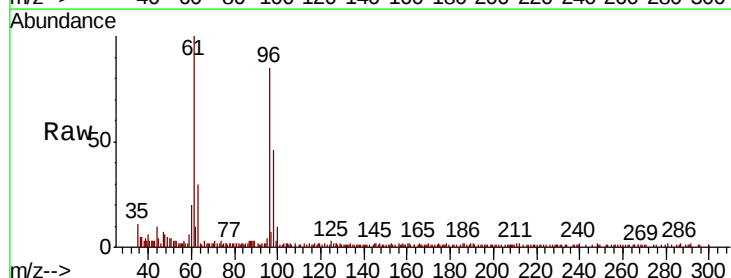
Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120DL

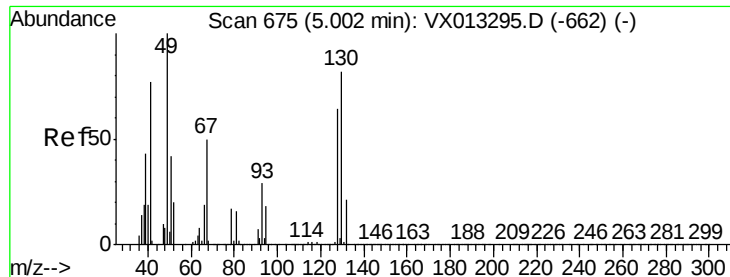
Tot Ion: 84 Resp: 2120
Ion Ratio Lower Upper
84 100
49 64.8 98.2 147.4#
51 44.0 29.9 44.9
86 44.1 49.9 74.9#



#27
cis-1,2-Dichloroethene
Concen: 3.043 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013555.D
Acq: 23 Nov 2019 00:30

Tgt Ion: 96 Resp: 21446
Ion Ratio Lower Upper
96 100
61 132.6 0.0 288.0
98 66.0 0.0 129.6





#28

Bromochloromethane

Concen: 0.226 ug/l

RT: 4.98 min Scan# 672

Delta R.T. -0.02 min

Lab File: VX013555.D

Acq: 23 Nov 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120DL

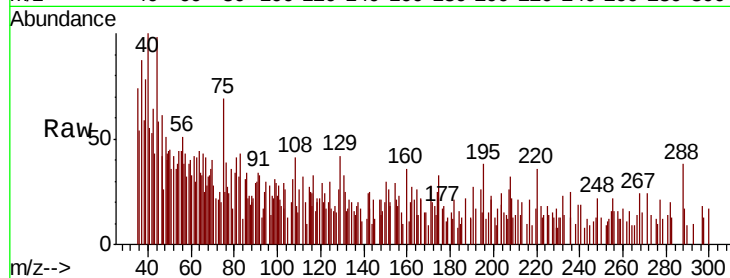
Tot Ion: 49 Resp: 726

Ion Ratio Lower Upper

49 100

129 34.4 0.0 5.2#

130 37.5 63.8 95.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

600

400

200

0

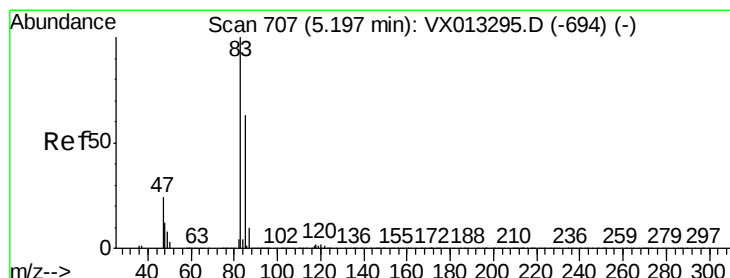
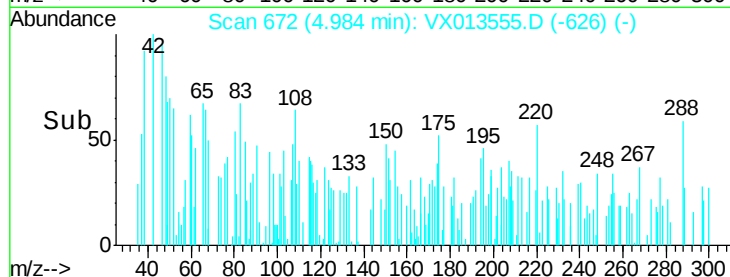
4.94

4.96

4.98

5.00

Time-->



#30

Chloroform

Concen: 0.266 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX013555.D

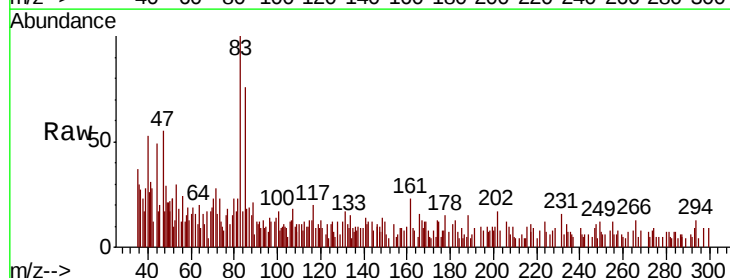
Acq: 23 Nov 2019 00:30

Tgt Ion: 83 Resp: 2980

Ion Ratio Lower Upper

83 100

85 52.3 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

1500

1000

500

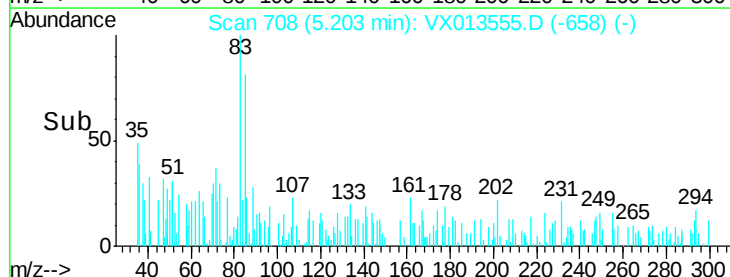
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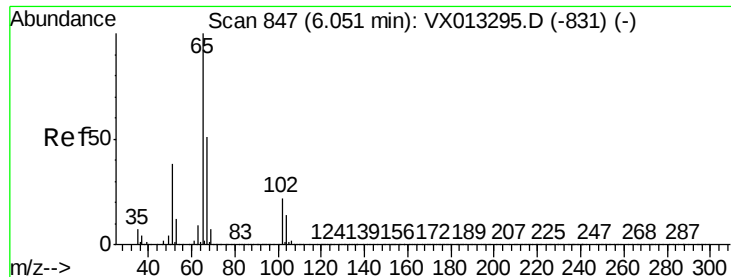
5.15

5.20

5.25

Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.699 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013555.D

Acq: 23 Nov 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

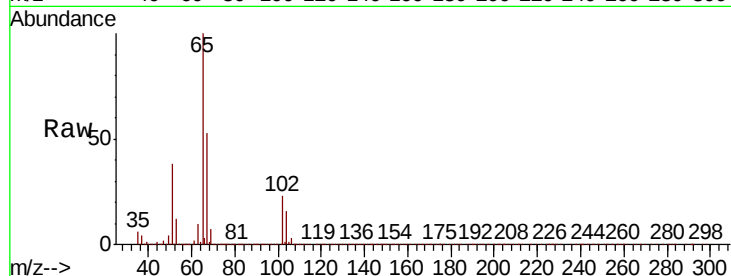
15BR-20191120DL

Tot Ion: 65 Resp: 370842

Ion Ratio Lower Upper

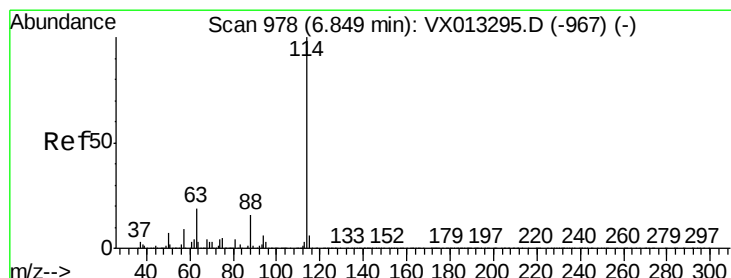
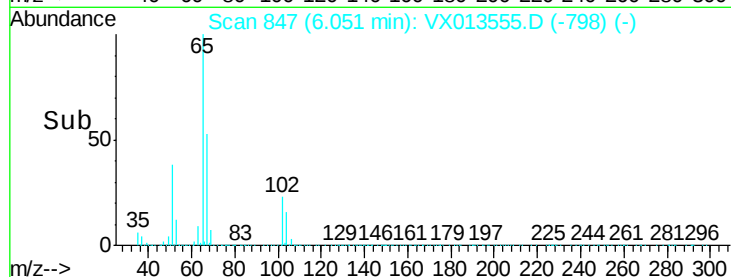
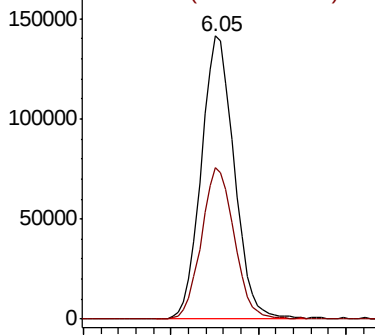
65 100

67 52.9 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013555.D

Acq: 23 Nov 2019 00:30

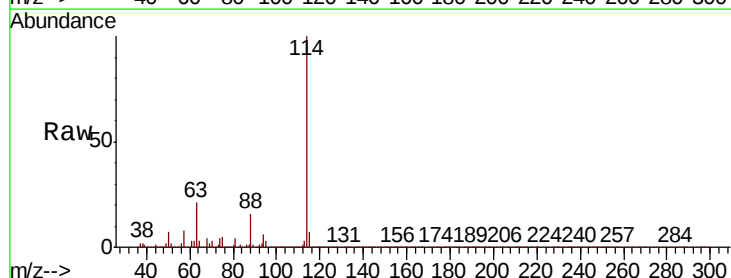
Tgt Ion: 114 Resp: 1012949

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.4

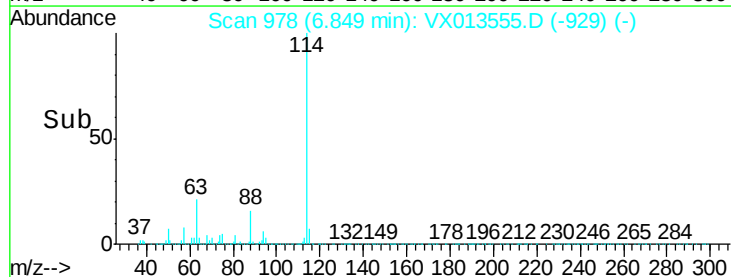
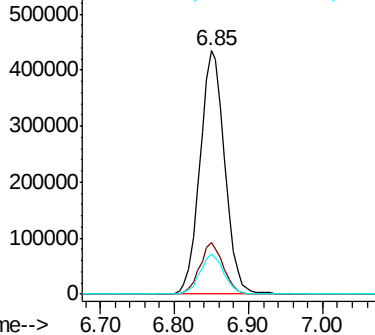
88 16.3 0.0 32.2

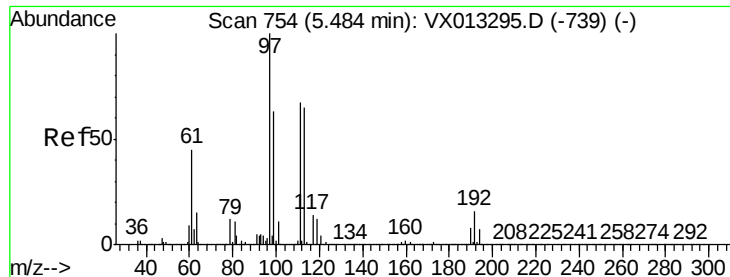


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.885 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013555.D

Acq: 23 Nov 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120DL

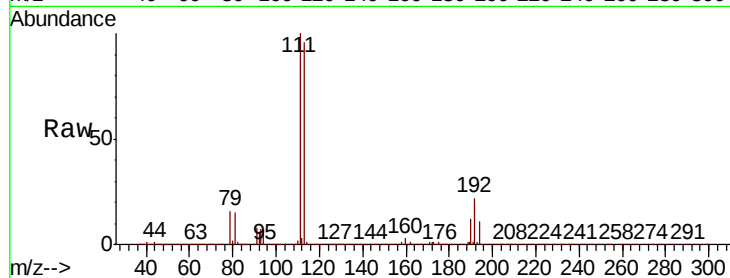
Tot Ion:113 Resp: 304233

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

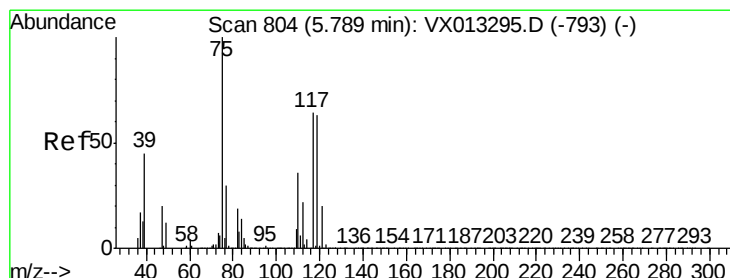
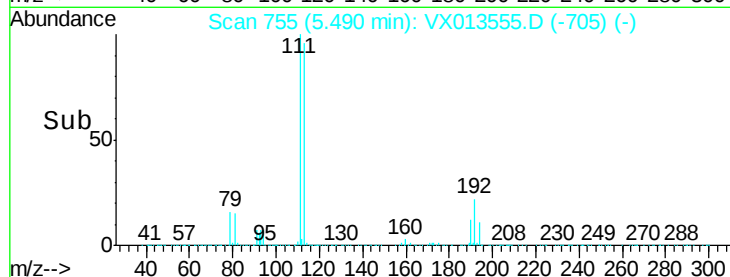
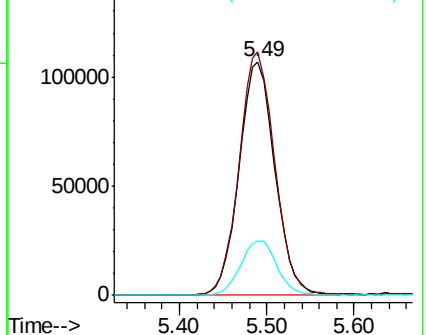
192 23.8 19.1 28.7



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: 4.951 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013555.D

Acq: 23 Nov 2019 00:30

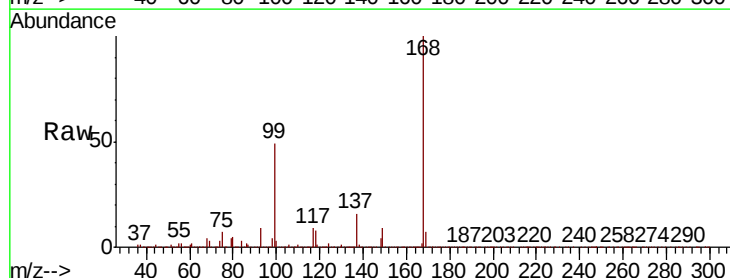
Tgt Ion: 75 Resp: 43023

Ion Ratio Lower Upper

75 100

110 11.1 18.1 54.1#

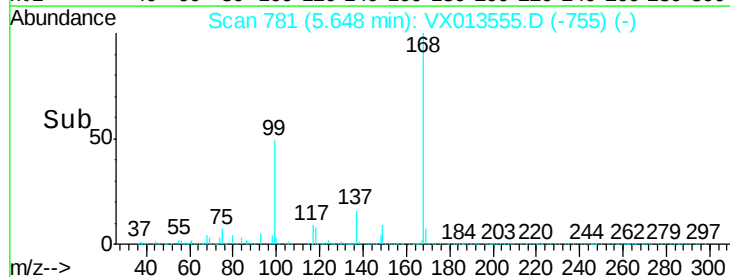
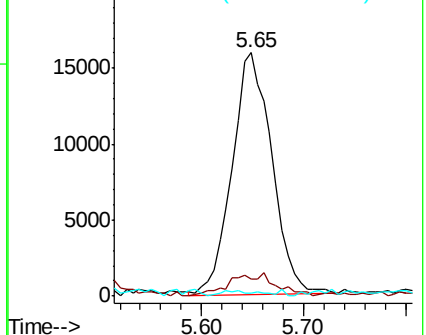
77 0.0 25.0 37.4#

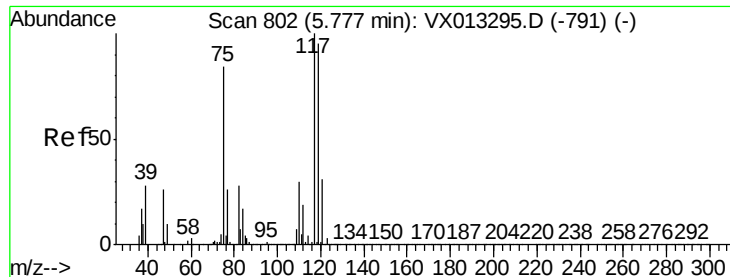


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

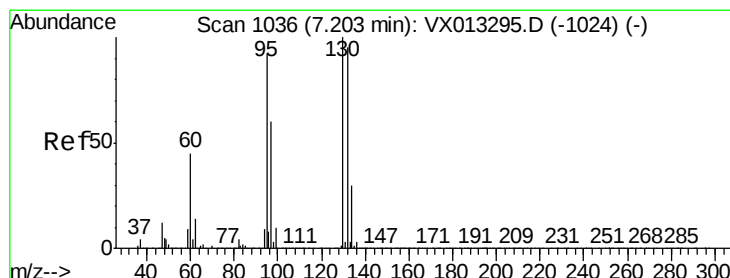
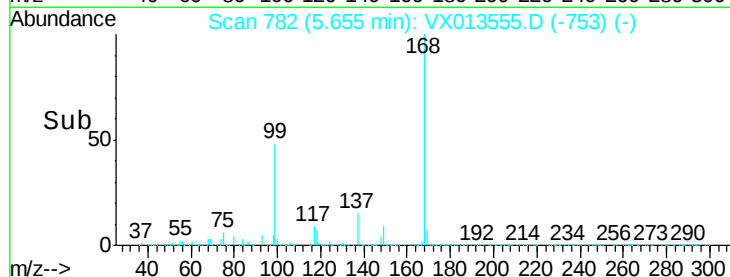
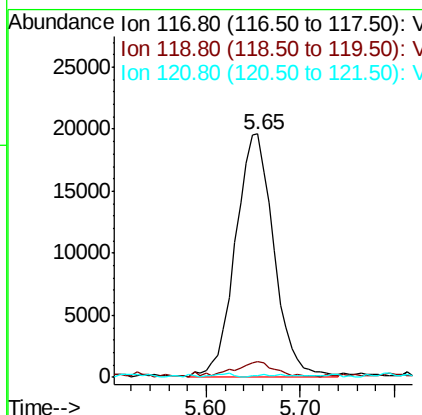
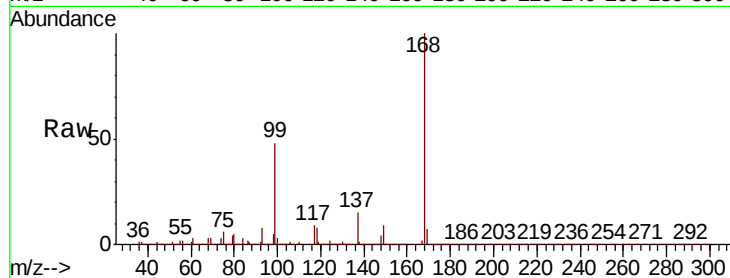




#38
Carbon Tetrachloride
Concen: 6.602 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013555.D
Acq: 23 Nov 2019 00:30

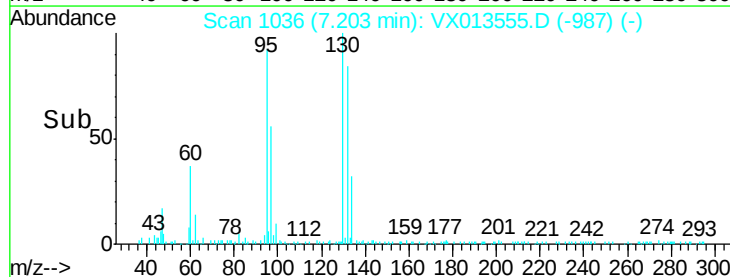
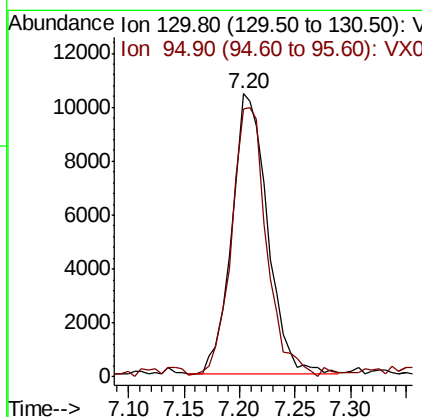
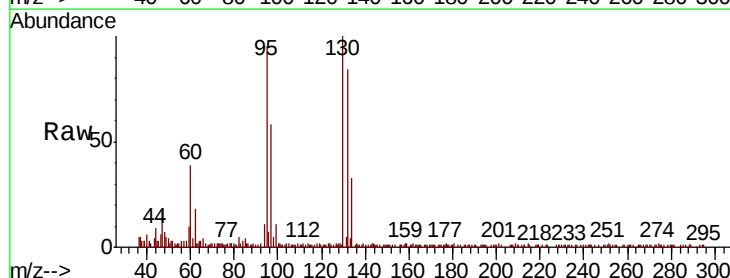
Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120DL

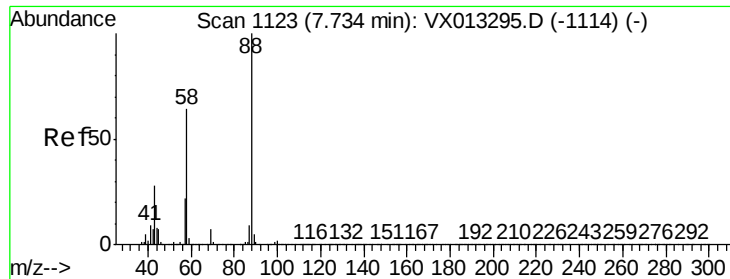
Tot Ion:117 Resp: 56102
Ion Ratio Lower Upper
117 100
119 6.3 76.1 114.1#
121 0.5 24.6 37.0#



#44
Trichloroethene
Concen: 3.098 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VX013555.D
Acq: 23 Nov 2019 00:30

Tgt Ion:130 Resp: 23085
Ion Ratio Lower Upper
130 100
95 95.2 0.0 184.8

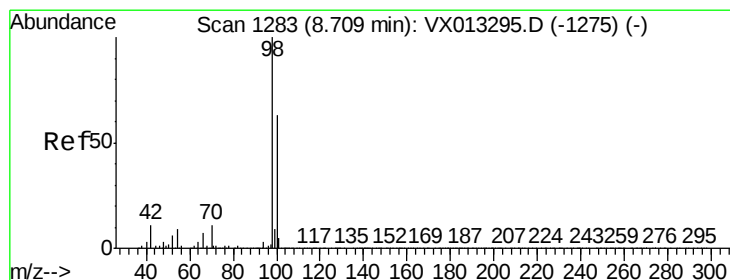
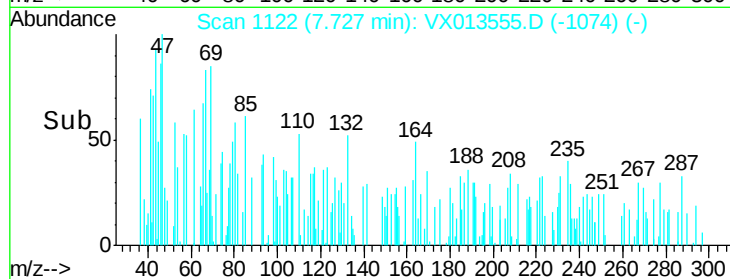
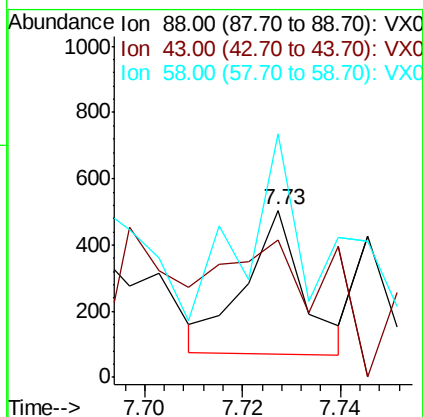
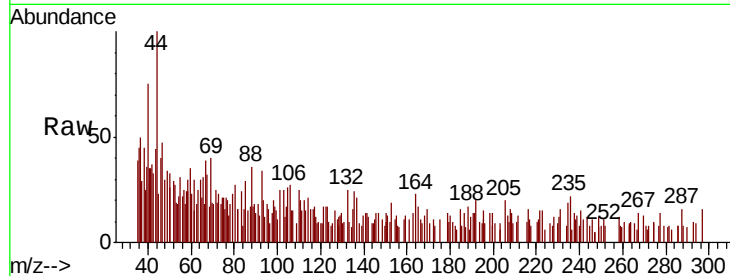




#49
1,4-Dioxane
Concen: 1.857 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013555.D
Acq: 23 Nov 2019 00:30

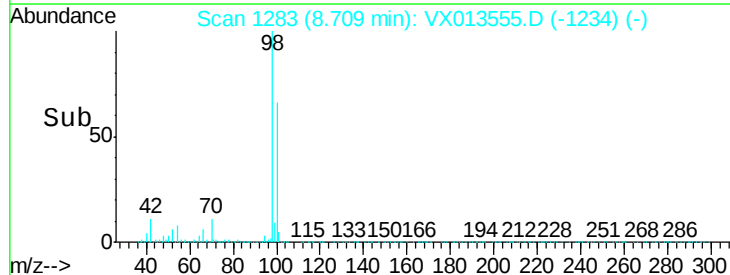
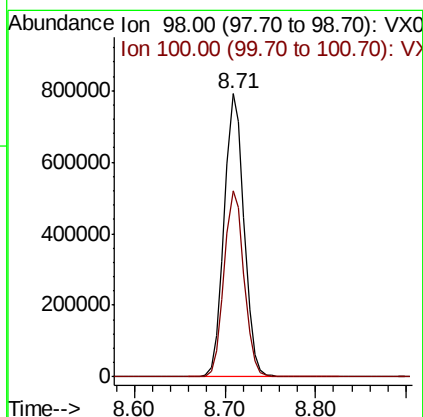
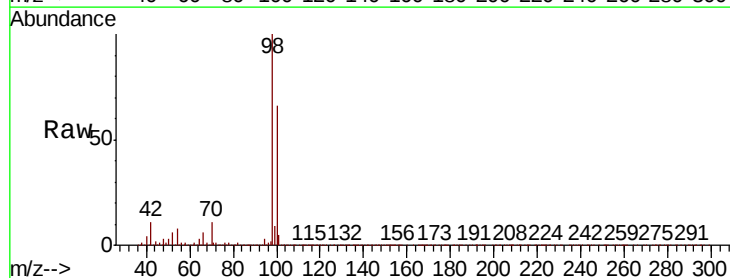
Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120DL

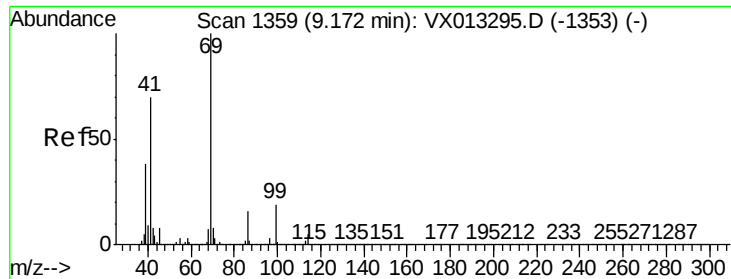
Tot Ion: 88 Resp: 355
Ion Ratio Lower Upper
88 100
43 174.6 26.6 39.8#
58 255.5 55.0 82.6#



#50
Toluene-d8
Concen: 50.455 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013555.D
Acq: 23 Nov 2019 00:30

Tgt Ion: 98 Resp: 1208475
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.574 ug/l

RT: 9.18 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VX013555.D

Acq: 23 Nov 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120DL

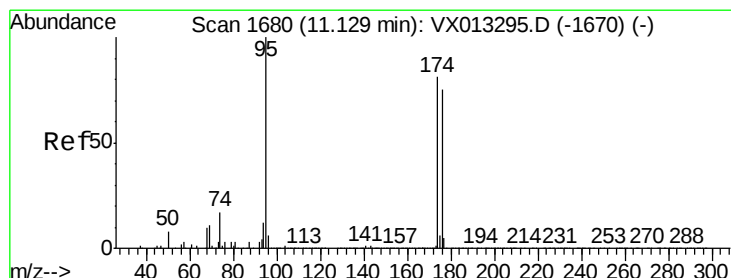
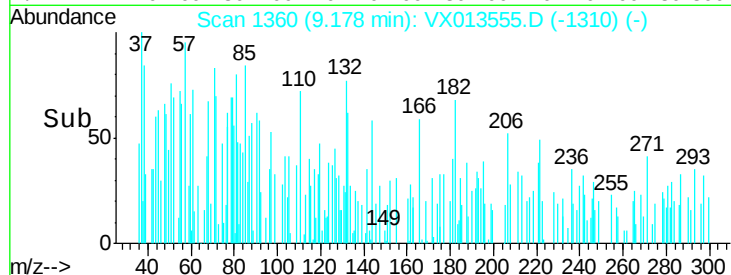
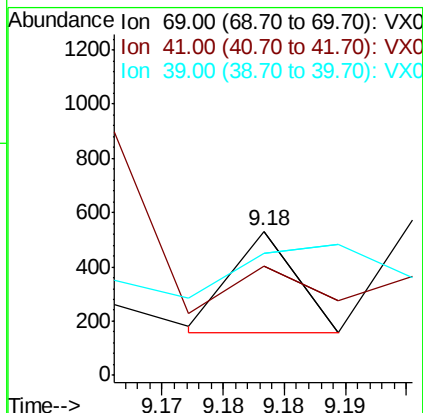
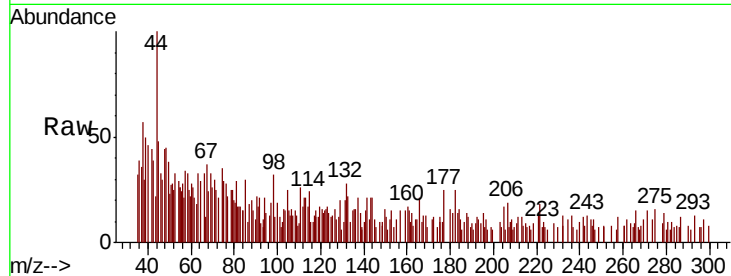
Tot Ion: 69 Resp: 137

Ion Ratio Lower Upper

69 100

41 354.0 56.2 84.2#

39 0.0 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 46.269 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013555.D

Acq: 23 Nov 2019 00:30

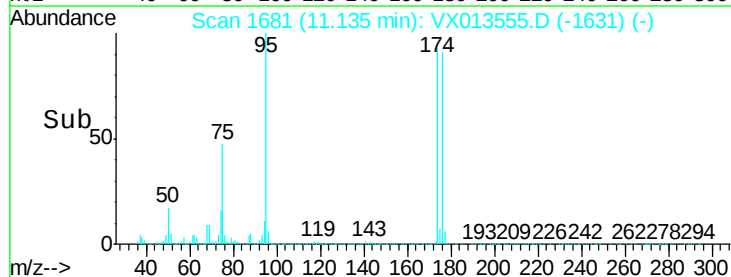
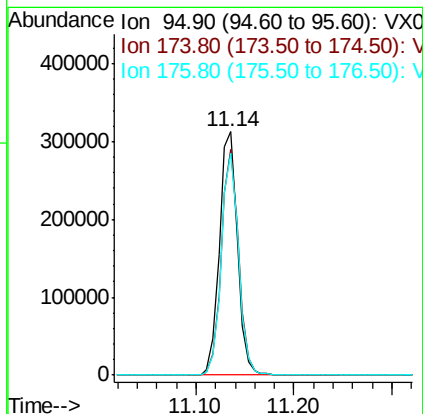
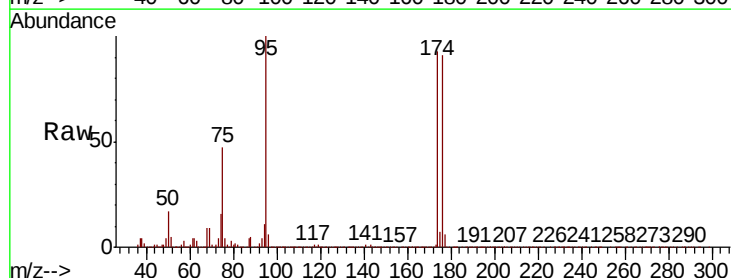
Tgt Ion: 95 Resp: 399960

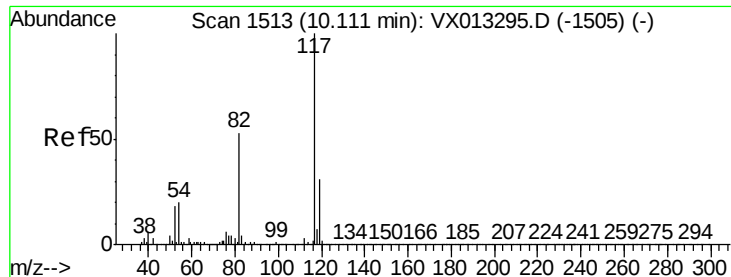
Ion Ratio Lower Upper

95 100

174 88.4 0.0 179.8

176 87.1 0.0 173.0

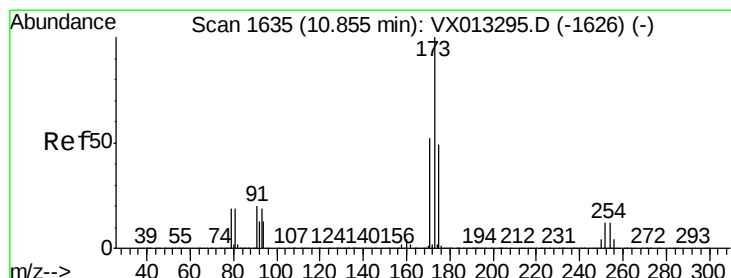
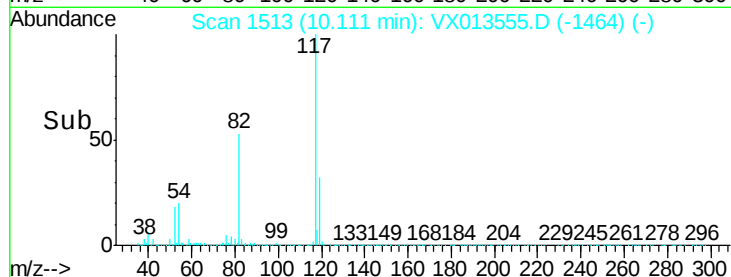
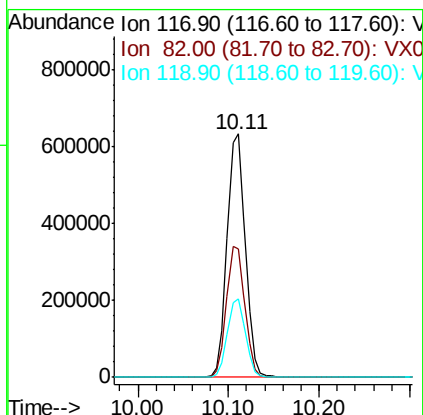
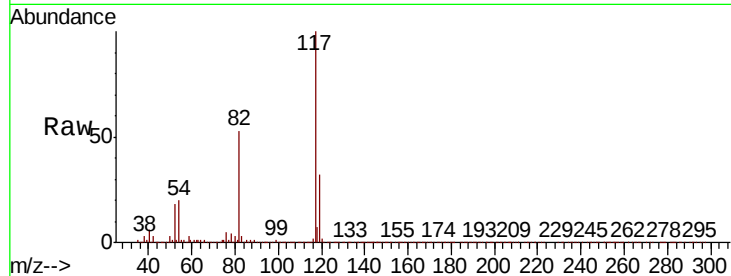




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013555.D
Acq: 23 Nov 2019 00:30

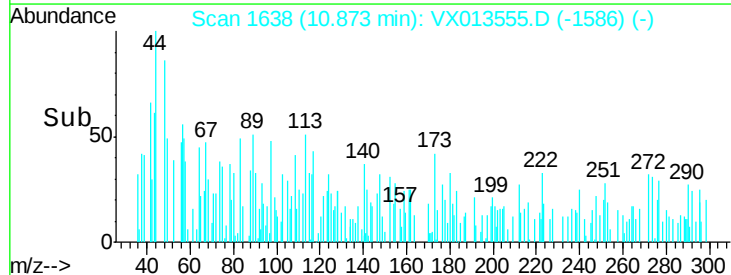
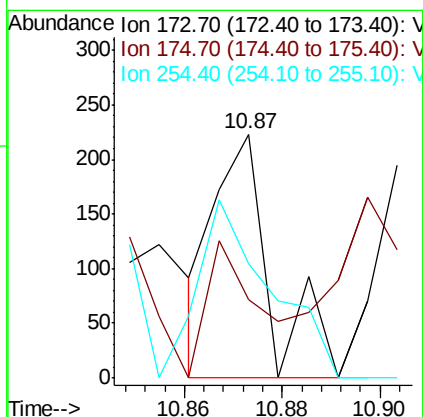
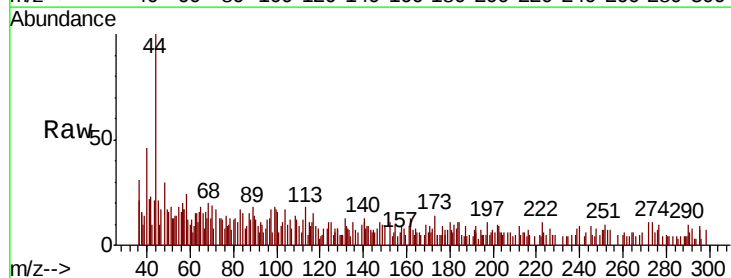
Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120DL

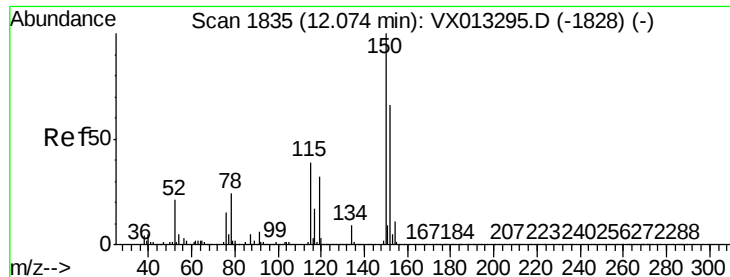
Tot Ion:117 Resp: 886814
Ion Ratio Lower Upper
117 100
82 52.9 42.6 64.0
119 32.5 24.8 37.2



#71
Bromoform
Concen: 3.230 ug/l
RT: 10.87 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VX013555.D
Acq: 23 Nov 2019 00:30

Tgt Ion:173 Resp: 179
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 93.3 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013555.D

Acq: 23 Nov 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120DL

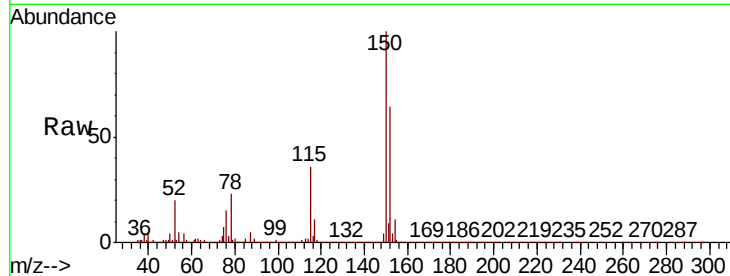
Tot Ion:152 Resp: 394015

Ion Ratio Lower Upper

152 100

115 54.9 39.5 118.3

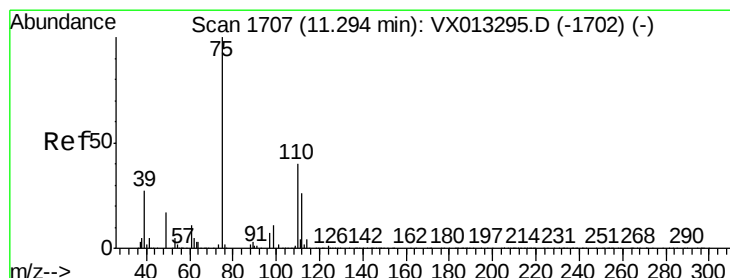
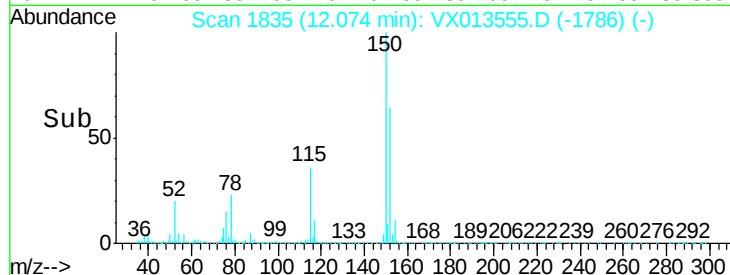
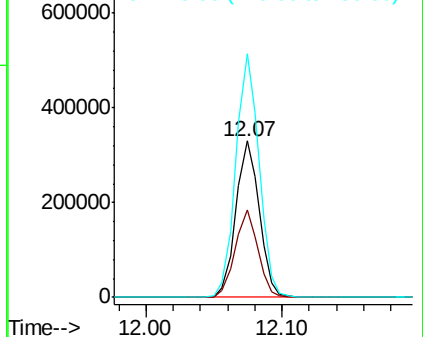
150 155.7 0.0 344.4



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: 24.024 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013555.D

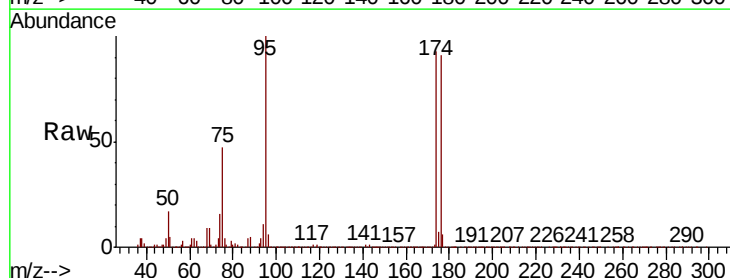
Acq: 23 Nov 2019 00:30

Tgt Ion: 75 Resp: 192262

Ion Ratio Lower Upper

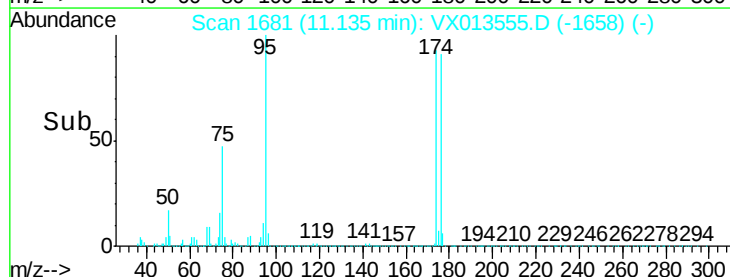
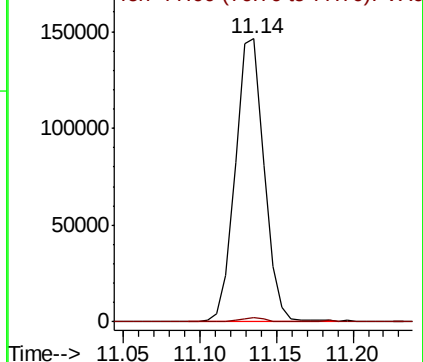
75 100

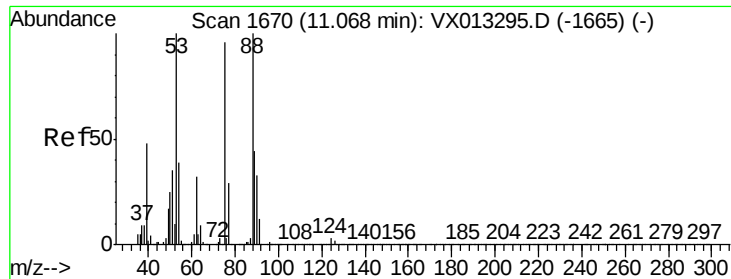
77 1.4 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.837 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013555.D

Acq: 23 Nov 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120DL

Tot Ion: 75 Resp: 192262

Ion Ratio Lower Upper

75 100

53 0.4 81.0 121.6#

89 0.1 36.0 54.0#

