

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013557.D
 Acq On : 23 Nov 2019 01:16
 Operator : JC/SP
 Sample : K5962-07DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20BR-20191120DL

Quant Time: Nov 23 02:35:33 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	650337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1046779	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	929049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	423692	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	384249	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
35) Dibromofluoromethane	5.49	113	315184	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	8.71	98	1252887	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.13	95	423010	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	

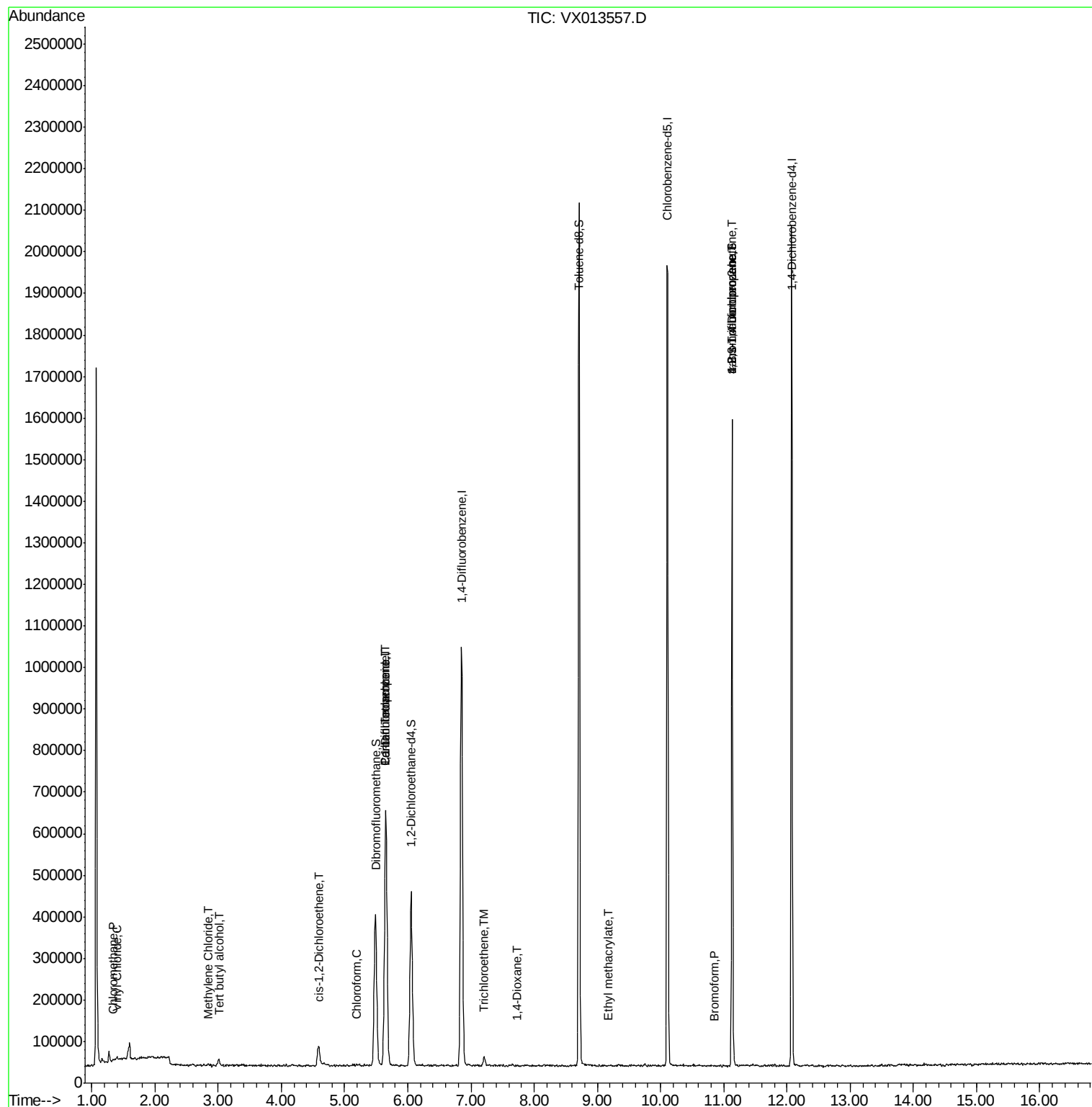
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	2210	0.272	ug/l #	43
4) Vinyl Chloride	1.40	62	4764	0.515	ug/l	94
6) Chloroethane	1.71	64	507	Below Cal	#	62
11) Tert butyl alcohol	3.01	59	11272	5.551	ug/l #	93
20) Methylene Chloride	2.84	84	2259	0.318	ug/l #	50
27) cis-1,2-Dichloroethene	4.58	96	32521	4.470	ug/l	90
30) Chloroform	5.19	83	4166	0.360	ug/l #	68
36) 1,1-Dichloropropene	5.65	75	43164	4.807	ug/l #	52
38) Carbon Tetrachloride	5.65	117	56249	6.405	ug/l #	16
44) Trichloroethene	7.21	130	10080	1.309	ug/l	95
49) 1,4-Dioxane	7.73	88	378	1.914	ug/l #	1
56) Ethyl methacrylate	9.17	69	465	1.600	ug/l #	1
71) Bromoform	10.84	173	194	3.231	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	203988	23.704	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	203988	61.013	ug/l #	10

(#) = 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# 781

Delta R.T. 0.00 min

Lab File: VX013557.D

Acq: 23 Nov 2019 01:16

Instrument :

MSVOA_X

ClientSampleId :

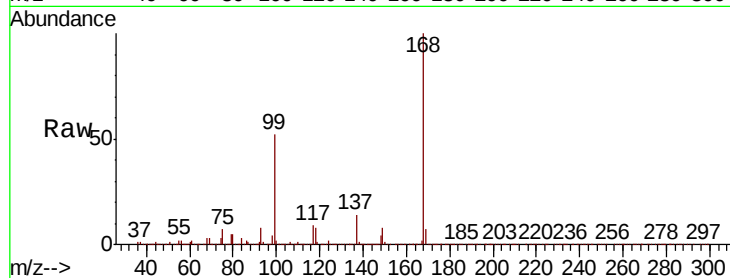
20BR-20191120DL

Tot Ion:168 Resp: 650337

Ion Ratio Lower Upper

168 100

99 51.7 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

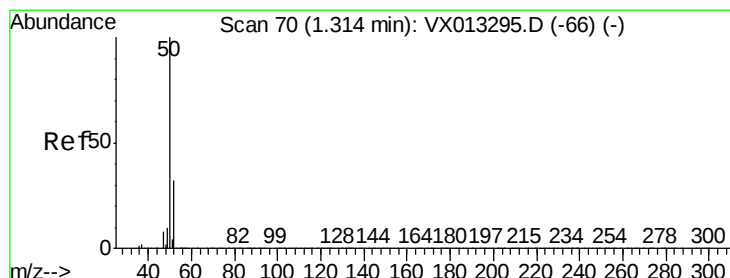
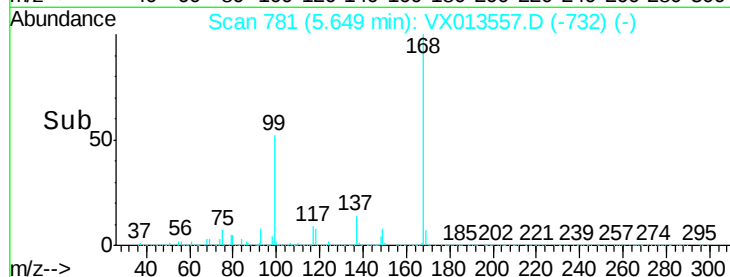
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.272 ug/l

RT: 1.34 min Scan# 74

Delta R.T. 0.02 min

Lab File: VX013557.D

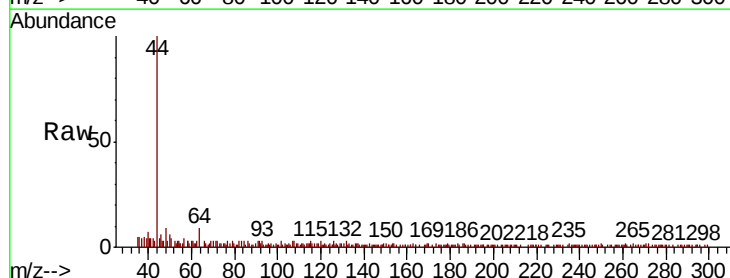
Acq: 23 Nov 2019 01:16

Tgt Ion: 50 Resp: 2210

Ion Ratio Lower Upper

50 100

52 0.1 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.34

1000

800

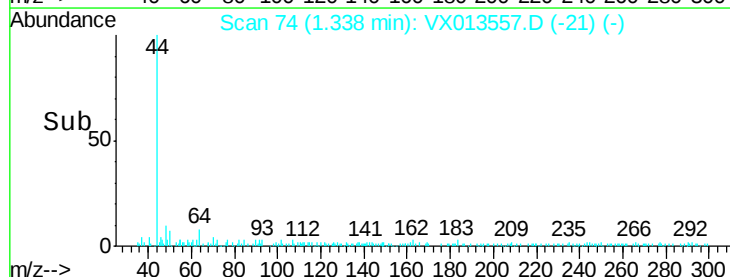
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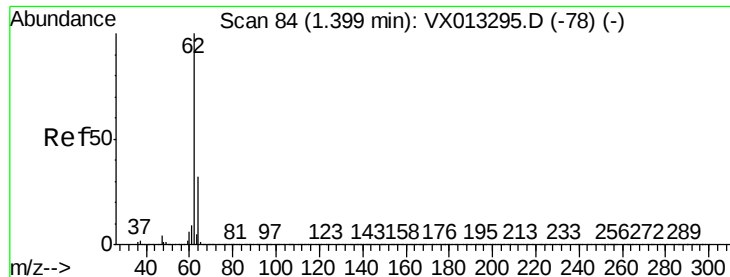
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200

0

Time-->





#4

Vinyl Chloride

Concen: 0.515 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013557.D

Acq: 23 Nov 2019 01:16

Instrument :

MSVOA_X

ClientSampleId :

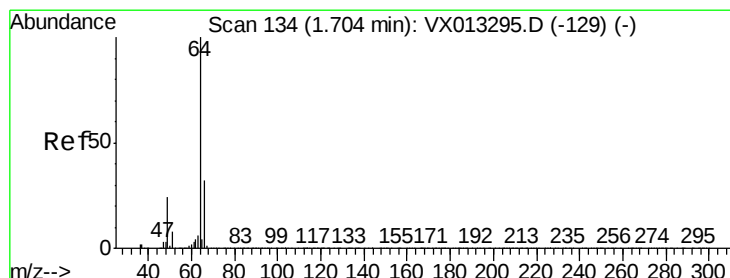
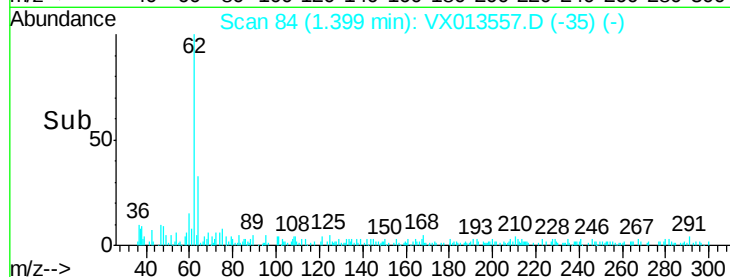
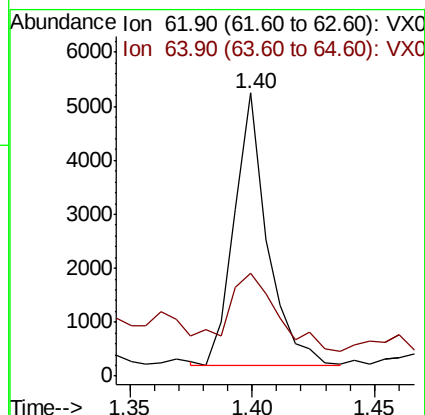
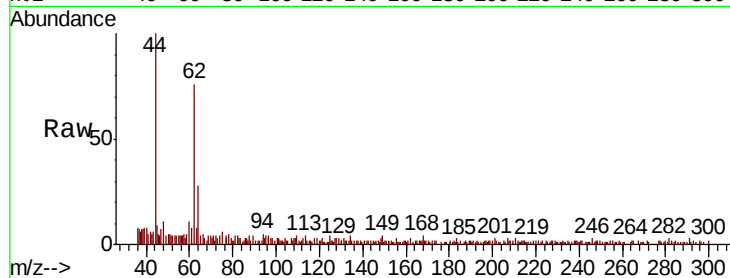
20BR-20191120DL

Tot Ion: 62 Resp: 4764

Ion Ratio Lower Upper

62 100

64 28.6 25.6 38.4



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013557.D

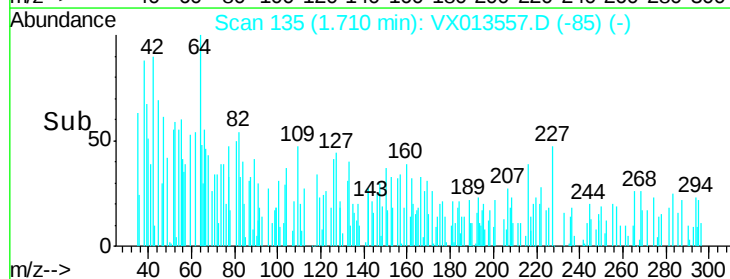
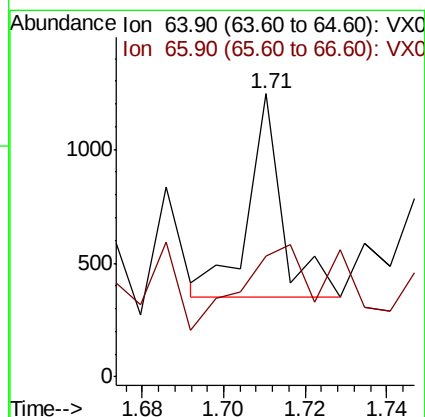
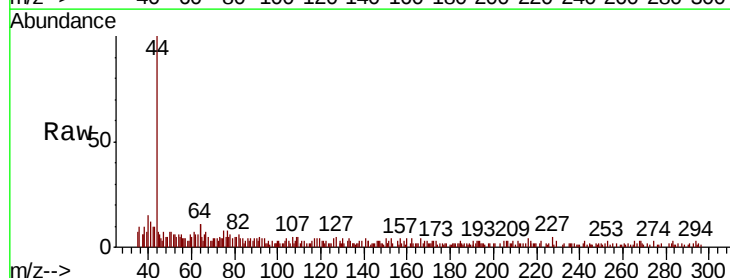
Acq: 23 Nov 2019 01:16

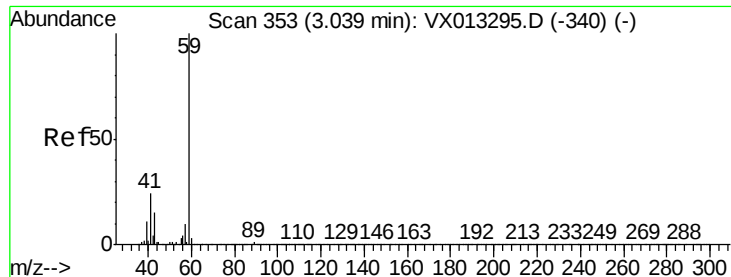
Tgt Ion: 64 Resp: 507

Ion Ratio Lower Upper

64 100

66 53.2 25.6 38.4#



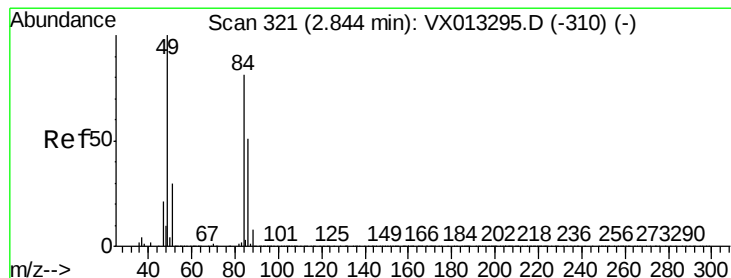
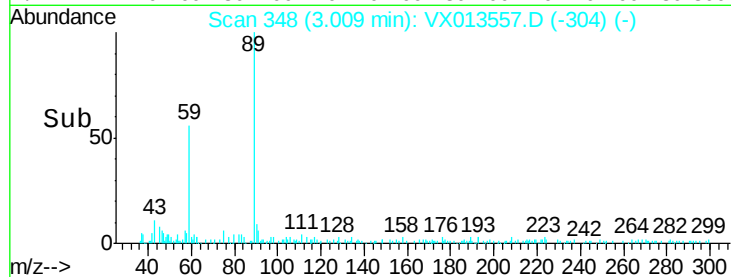
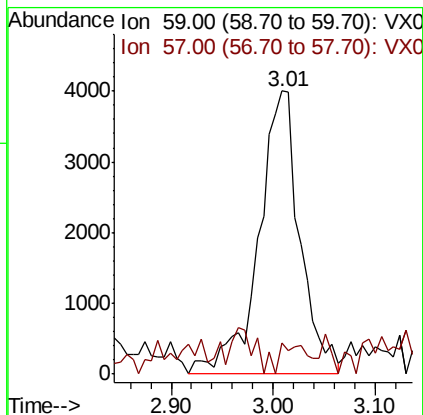
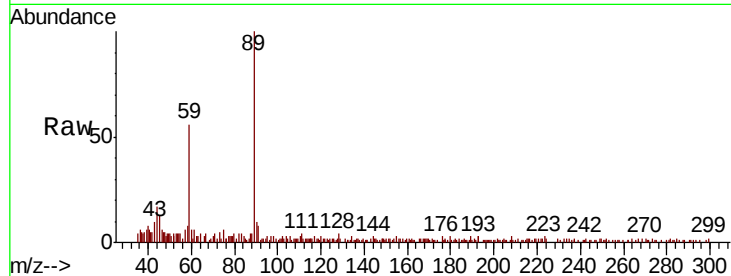


#11

Tert butyl alcohol
Concen: 5.551 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX013557.D
Acq: 23 Nov 2019 01:16

Instrument :
MSVOA_X
ClientSampleId :
20BR-20191120DL

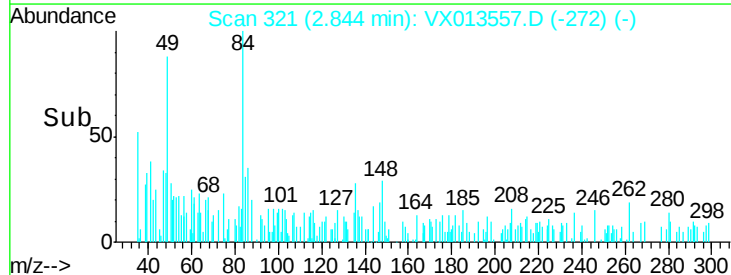
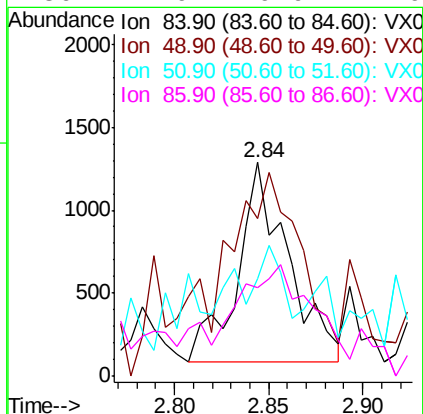
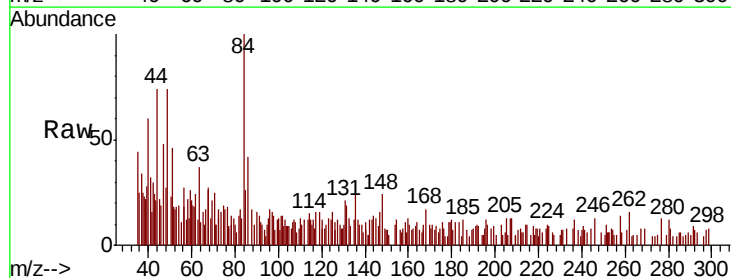
Tot Ion: 59 Resp: 11272
Ion Ratio Lower Upper
59 100
57 7.3 8.0 12.0#

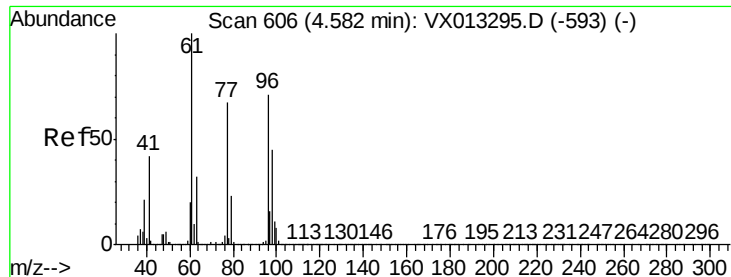


#20

Methylene Chloride
Concen: 0.318 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013557.D
Acq: 23 Nov 2019 01:16

Tgt Ion: 84 Resp: 2259
Ion Ratio Lower Upper
84 100
49 62.4 98.2 147.4#
51 29.8 29.9 44.9#
86 12.9 49.9 74.9#



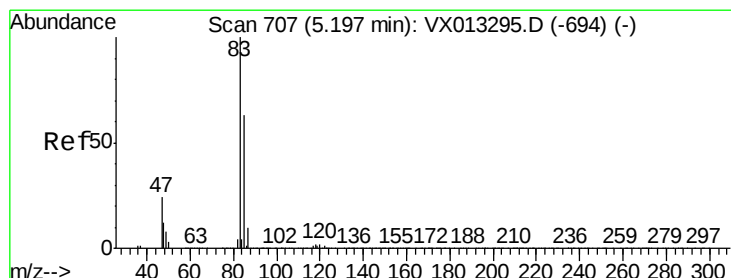
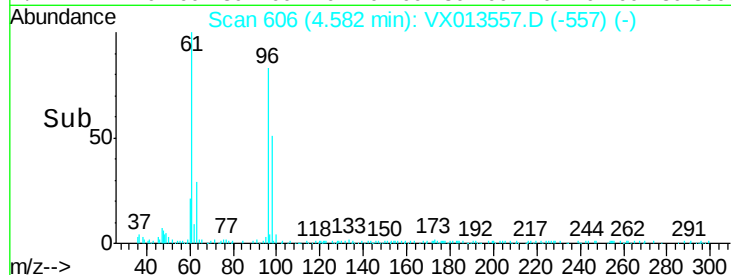
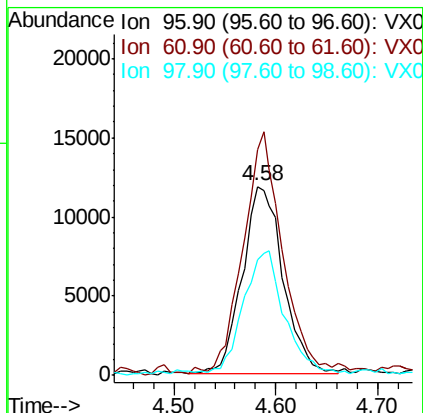
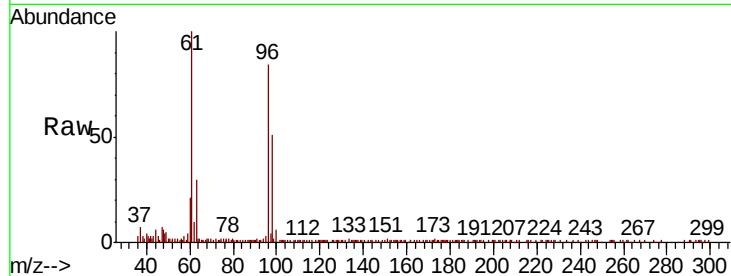


#27

cis-1,2-Dichloroethene
Concen: 4.470 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013557.D
Acq: 23 Nov 2019 01:16

Instrument :
MSVOA_X
ClientSampleId :
20BR-20191120DL

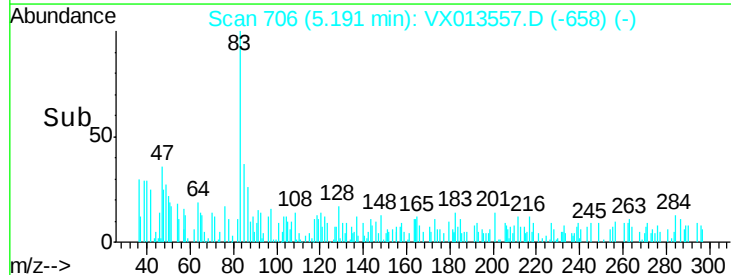
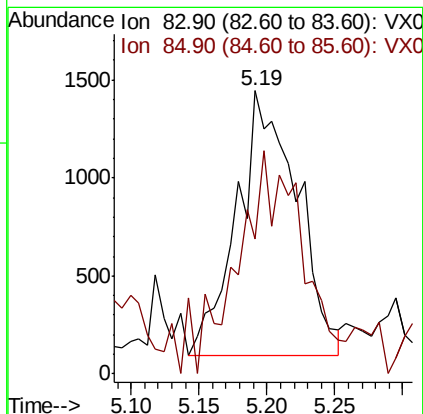
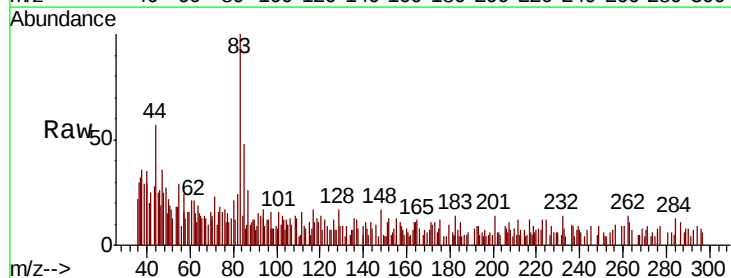
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	288.0
98	66.6	0.0	129.6

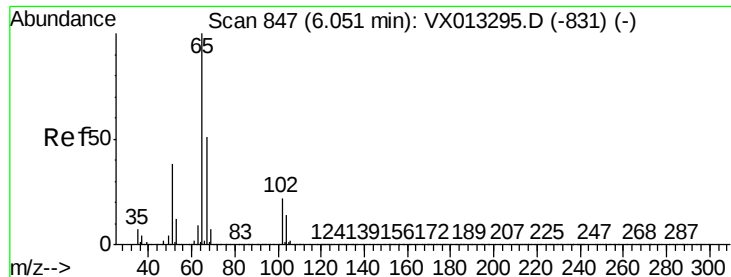


#30

Chloroform
Concen: 0.360 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013557.D
Acq: 23 Nov 2019 01:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	38.0	50.2	75.4#

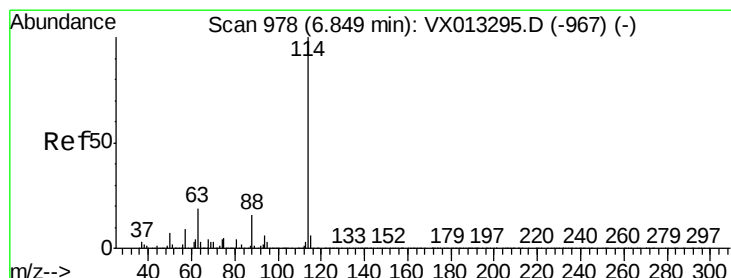
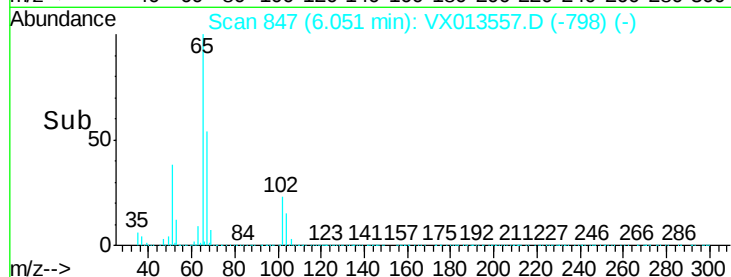
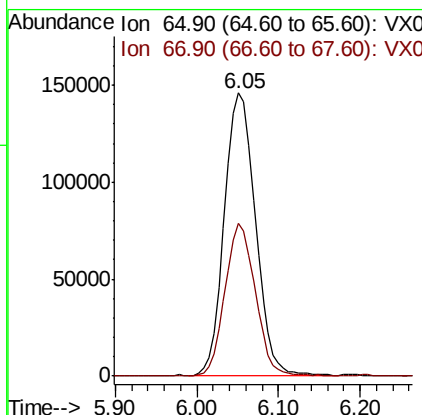
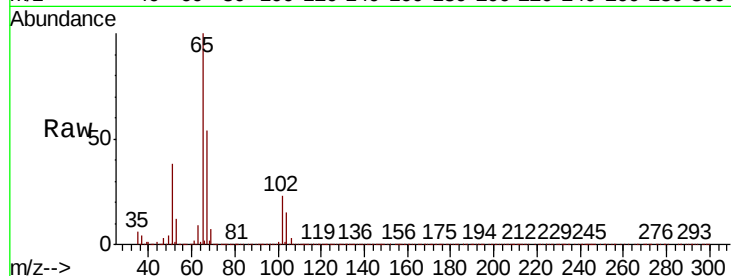




#33
 1,2-Dichloroethane-d4
 Concen: 49.873 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013557.D
 Acq: 23 Nov 2019 01:16

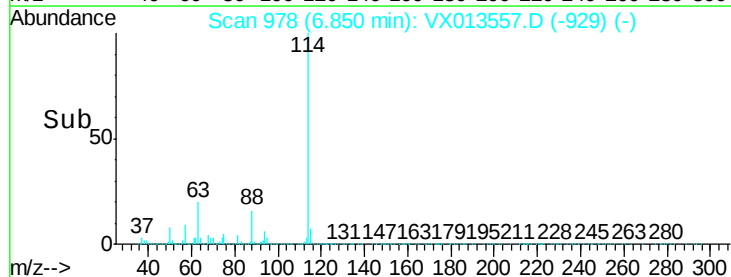
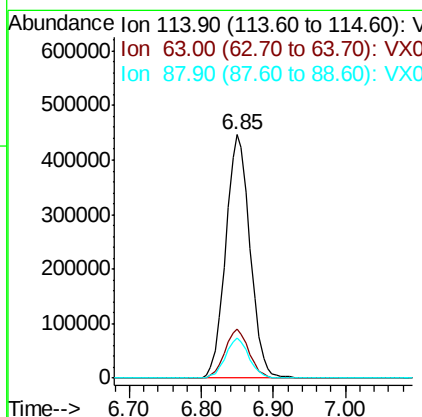
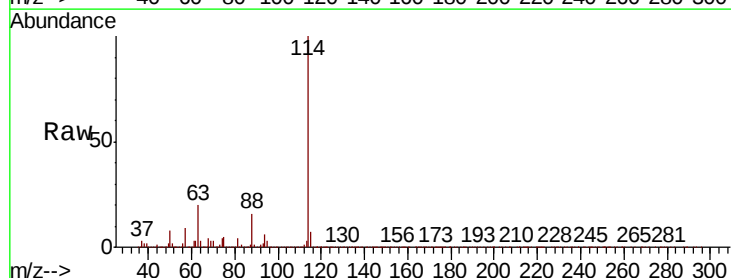
Instrument :
 MSVOA_X
 ClientSampleId :
 20BR-20191120DL

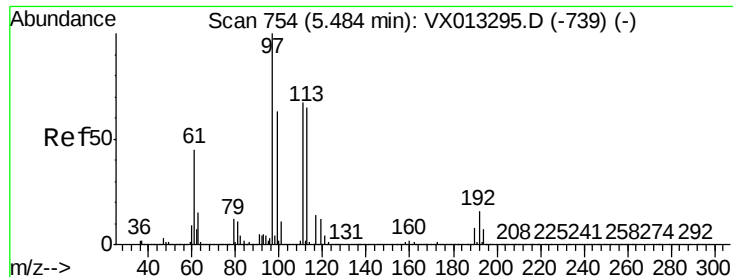
Tot Ion: 65 Resp: 384249
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013557.D
 Acq: 23 Nov 2019 01:16

Tgt Ion: 114 Resp: 1046779
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.4
 88 16.2 0.0 32.2

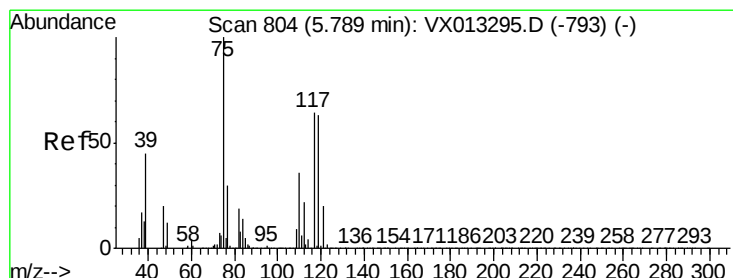
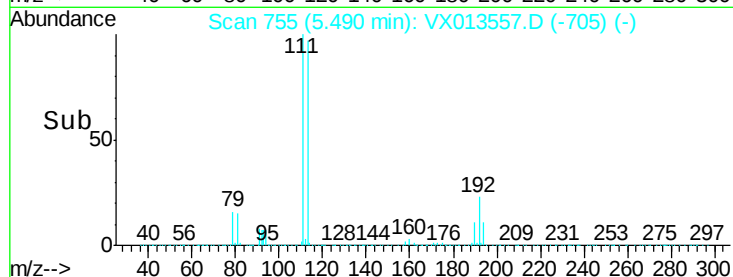
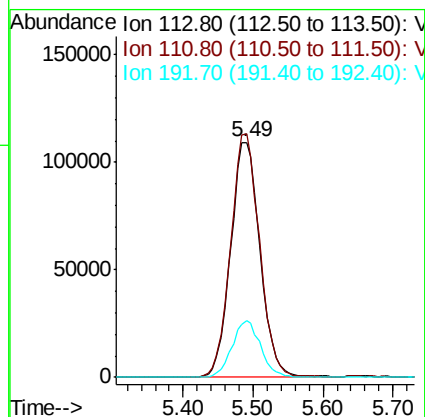
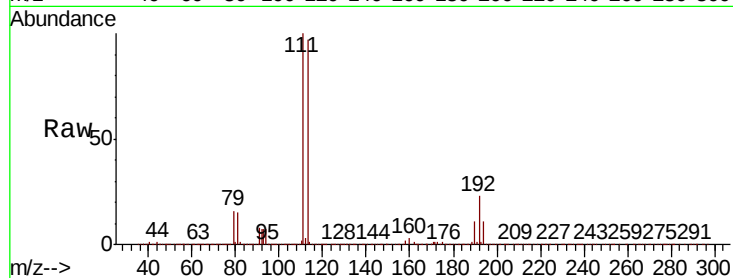




#35
Dibromofluoromethane
Concen: 48.006 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013557.D
Acq: 23 Nov 2019 01:16

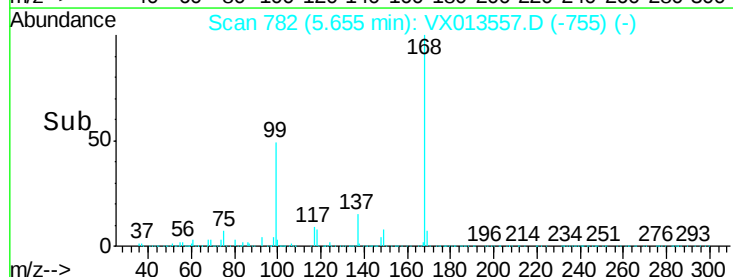
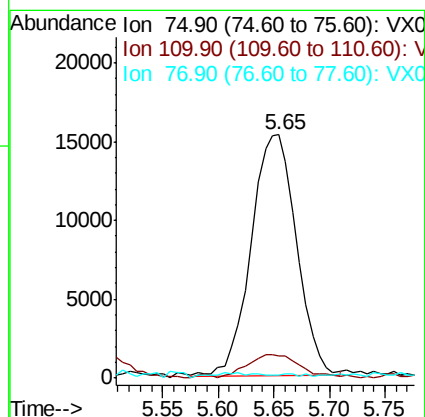
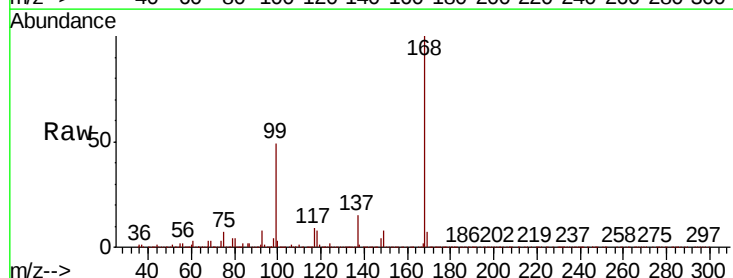
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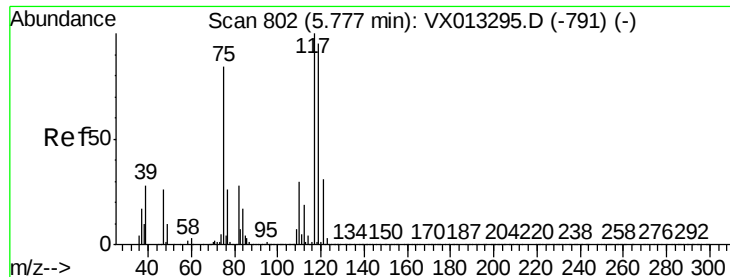
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	24.0	19.1	28.7



#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.13 min
Lab File: VX013557.D
Acq: 23 Nov 2019 01:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.1	54.1#
77	0.4	25.0	37.4#

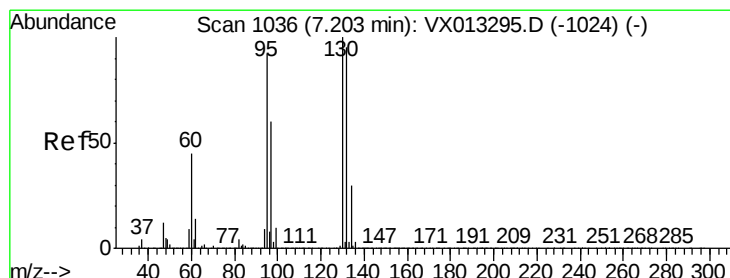
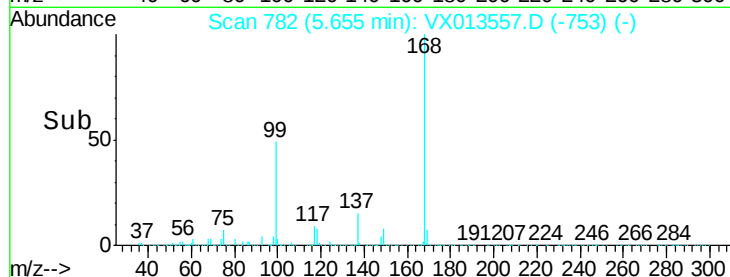
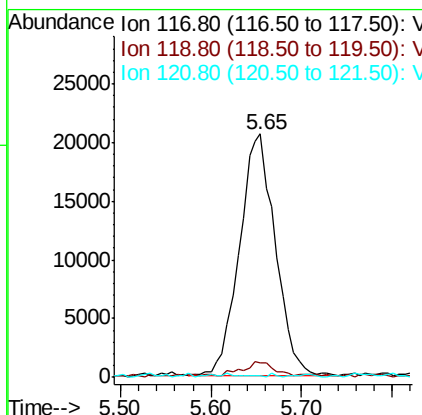
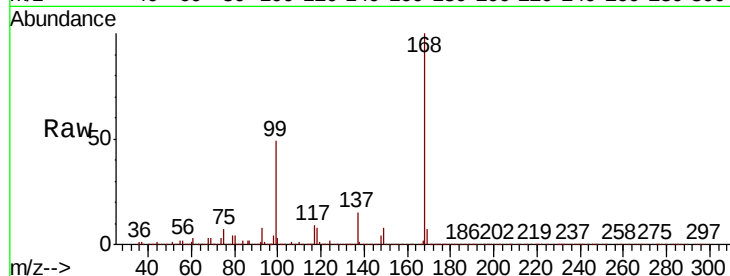




#38
Carbon Tetrachloride
Concen: 6.405 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013557.D
Acq: 23 Nov 2019 01:16

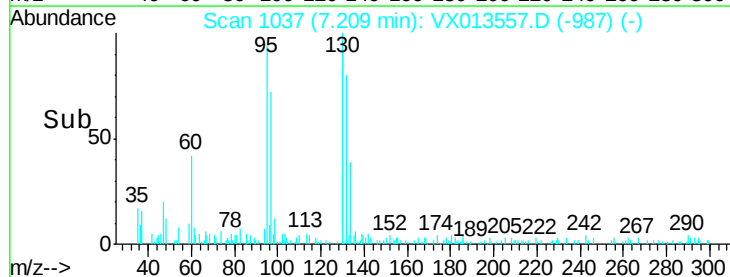
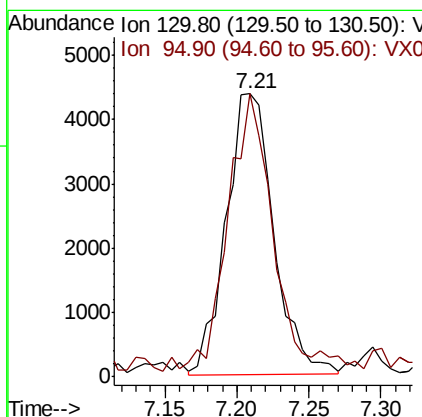
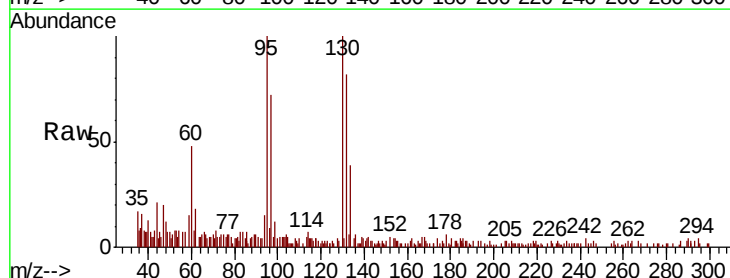
Instrument :
MSVOA_X
ClientSampleId :
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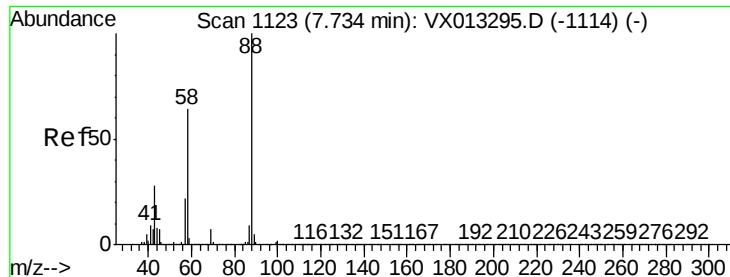
Tot Ion:117 Resp: 56249
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.6 24.6 37.0#



#44
Trichloroethene
Concen: 1.309 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX013557.D
Acq: 23 Nov 2019 01:16

Tgt Ion:130 Resp: 10080
Ion Ratio Lower Upper
130 100
95 96.8 0.0 184.8





#49

1,4-Dioxane

Concen: 1.914 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013557.D

Acq: 23 Nov 2019 01:16

Instrument :

MSVOA_X

ClientSampleId :

20BR-20191120DL

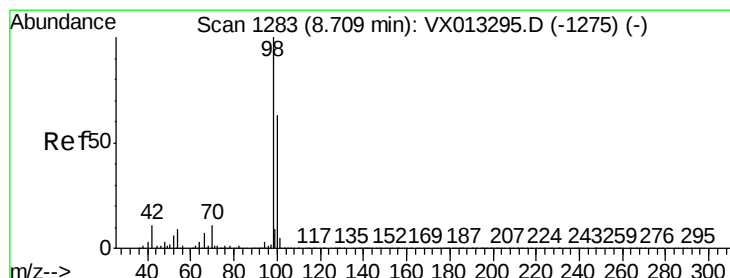
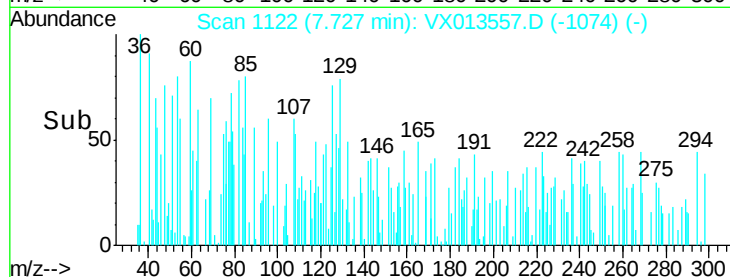
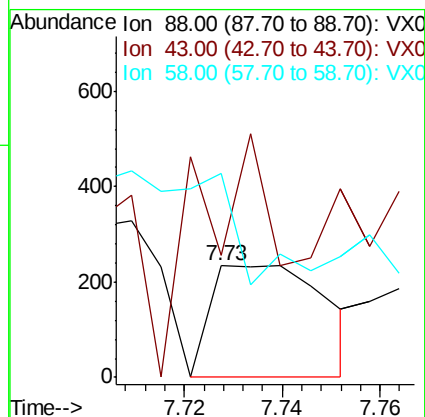
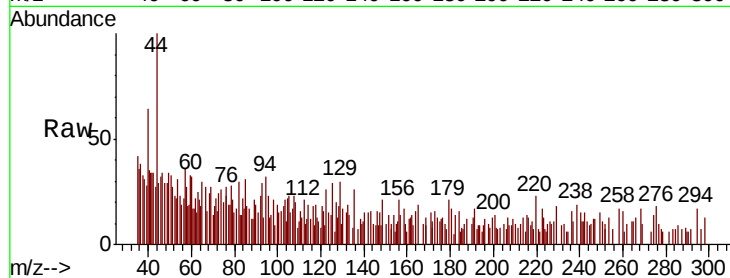
Tot Ion: 88 Resp: 378

Ion Ratio Lower Upper

88 100

43 166.1 26.6 39.8#

58 0.0 55.0 82.6#



#50

Toluene-d8

Concen: 50.619 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013557.D

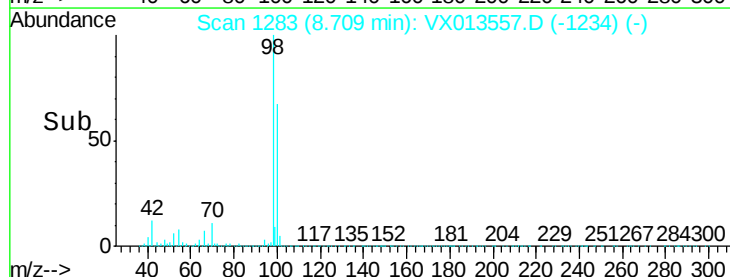
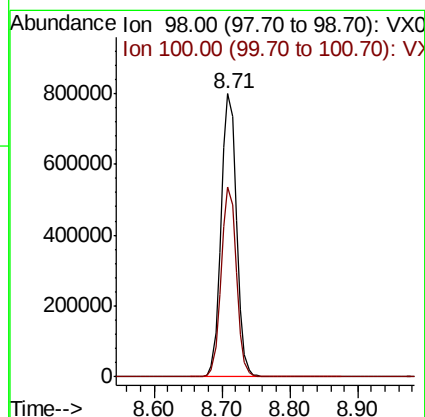
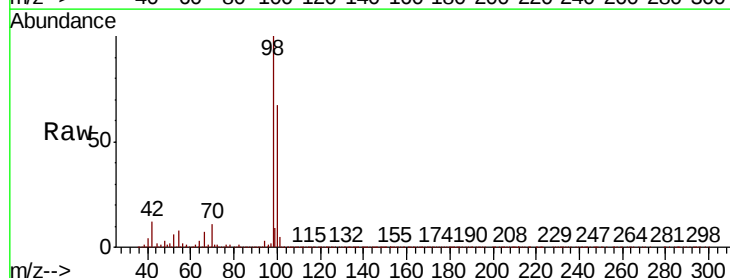
Acq: 23 Nov 2019 01:16

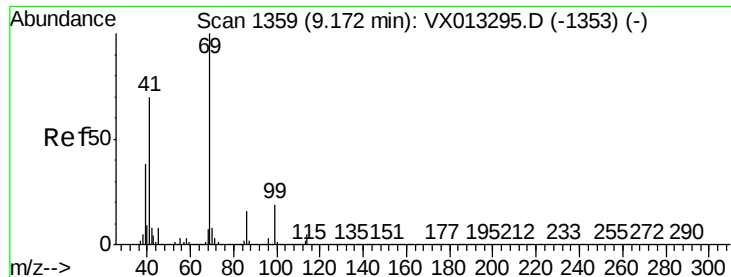
Tgt Ion: 98 Resp: 1252887

Ion Ratio Lower Upper

98 100

100 66.3 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.600 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013557.D

Acq: 23 Nov 2019 01:16

Instrument :

MSVOA_X

ClientSampleId :

20BR-20191120DL

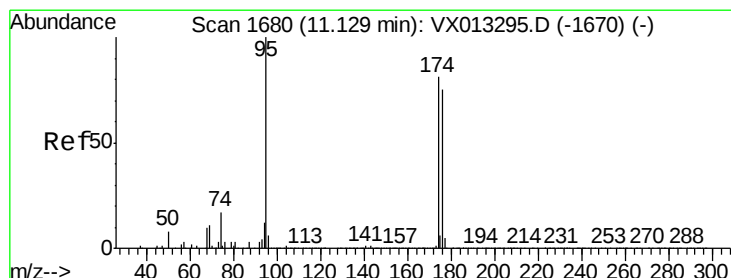
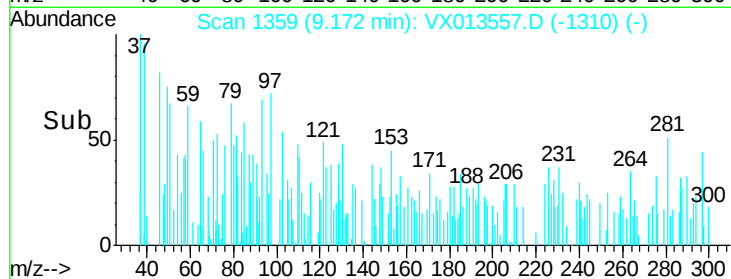
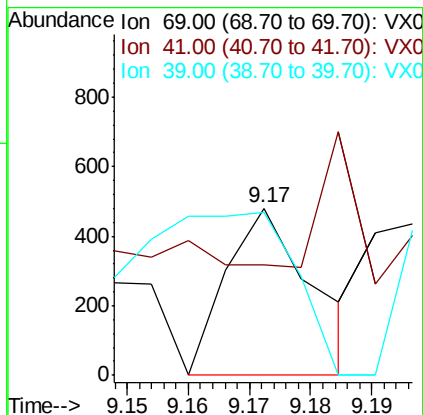
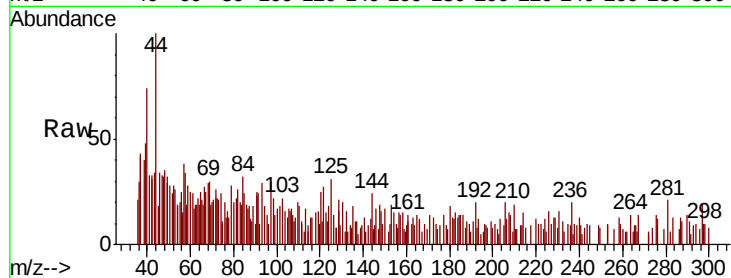
Tot Ion: 69 Resp: 465

Ion Ratio Lower Upper

69 100

41 38.3 56.2 84.2#

39 216.1 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 47.354 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013557.D

Acq: 23 Nov 2019 01:16

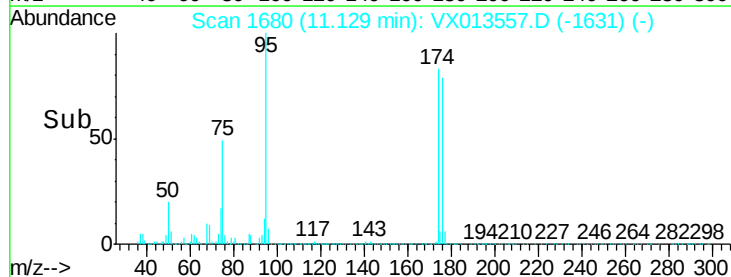
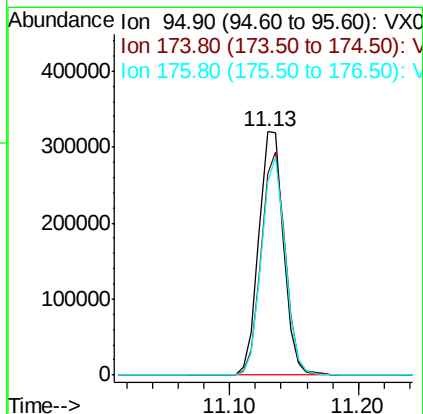
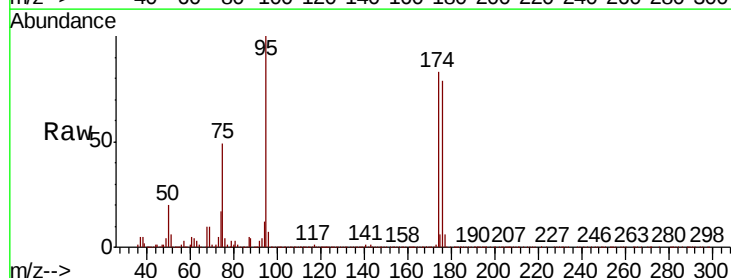
Tgt Ion: 95 Resp: 423010

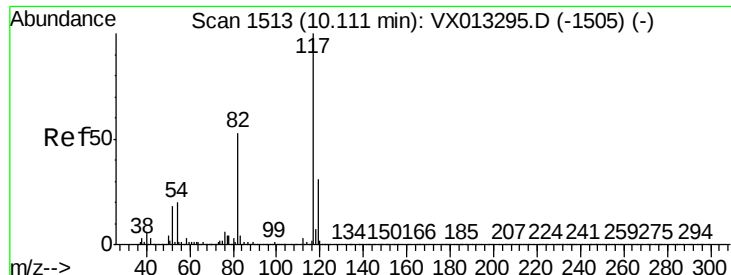
Ion Ratio Lower Upper

95 100

174 89.3 0.0 179.8

176 86.1 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: VX013557.D

Acq: 23 Nov 2019 01:16

Instrument :

MSVOA_X

ClientSampleId :

20BR-20191120DL

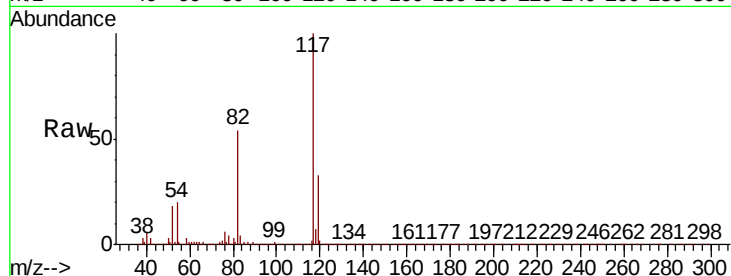
Tot Ion:117 Resp: 929049

Ion Ratio Lower Upper

117 100

82 53.7 42.6 64.0

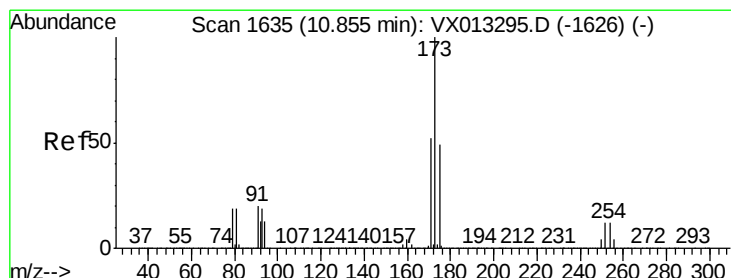
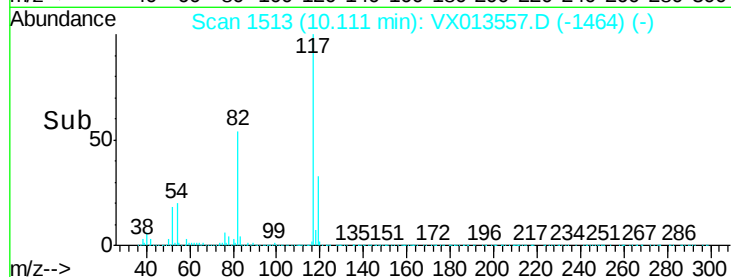
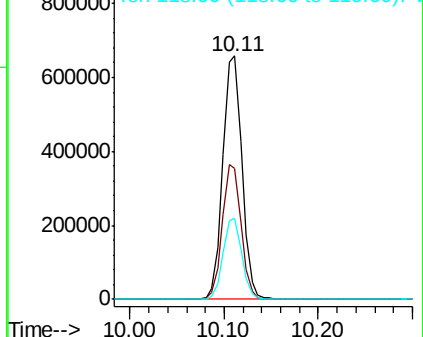
119 33.3 24.8 37.2



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



#71

Bromoform

Concen: 3.231 ug/l

RT: 10.84 min Scan# 1633

Delta R.T. -0.01 min

Lab File: VX013557.D

Acq: 23 Nov 2019 01:16

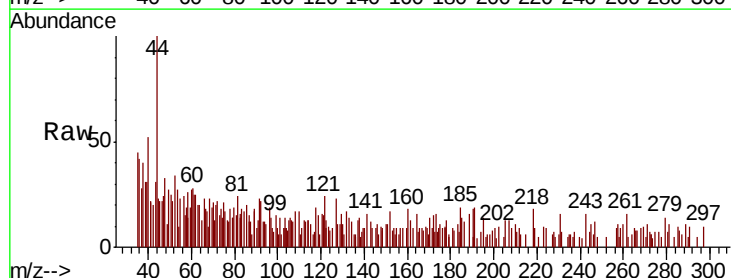
Tgt Ion:173 Resp: 194

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

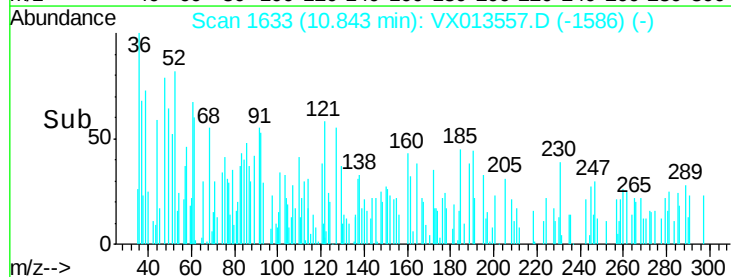
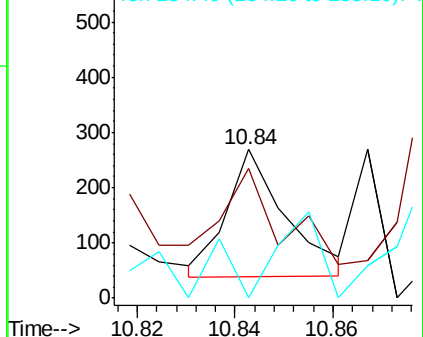
254 68.0 0.2 0.2#

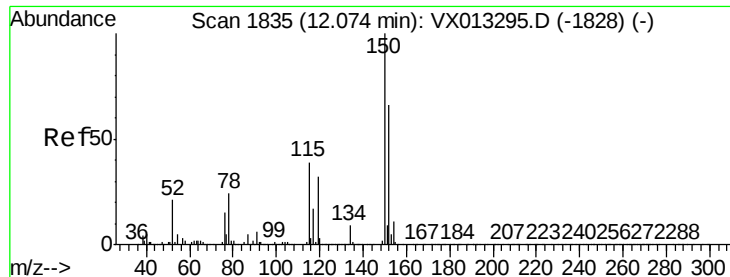


Abundance Ion 172.70 (172.40 to 173.40): V

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# 1835

Delta R.T. 0.00 min

Lab File: VX013557.D

Acq: 23 Nov 2019 01:16

Instrument :

MSVOA_X

ClientSampleId :

20BR-20191120DL

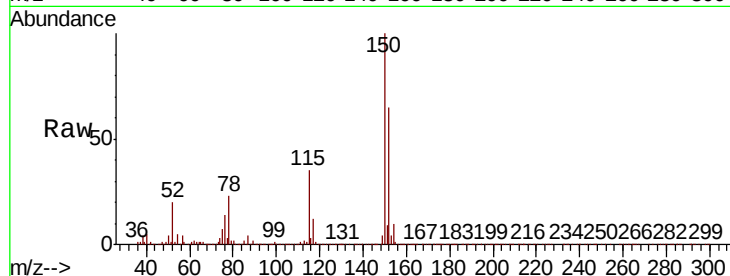
Tot Ion:152 Resp: 423692

Ion Ratio Lower Upper

152 100

115 54.6 39.5 118.3

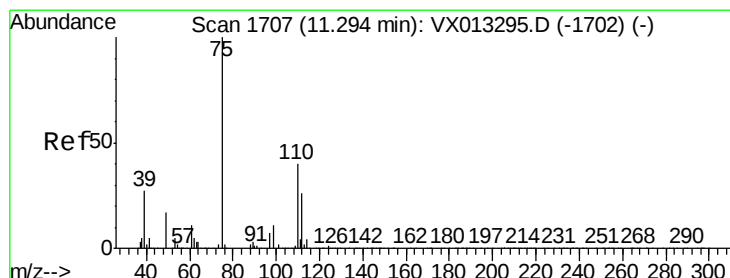
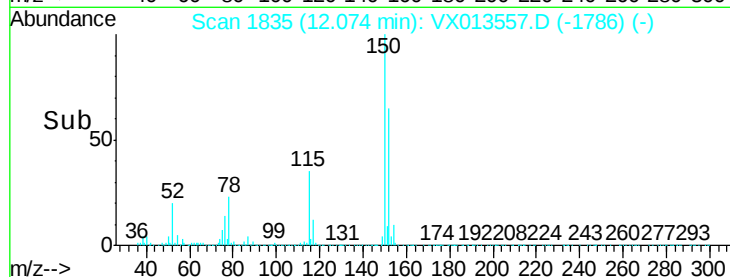
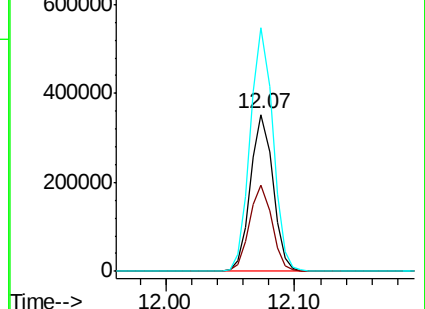
150 156.6 0.0 344.4



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: 23.704 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013557.D

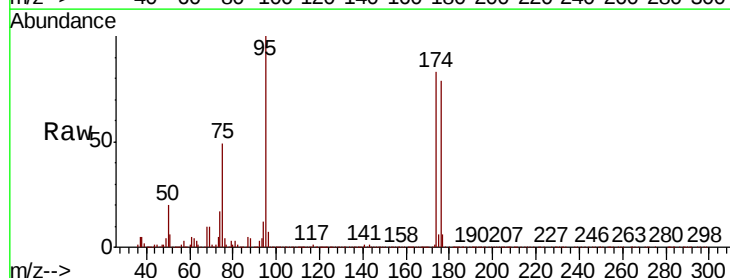
Acq: 23 Nov 2019 01:16

Tgt Ion: 75 Resp: 203988

Ion Ratio Lower Upper

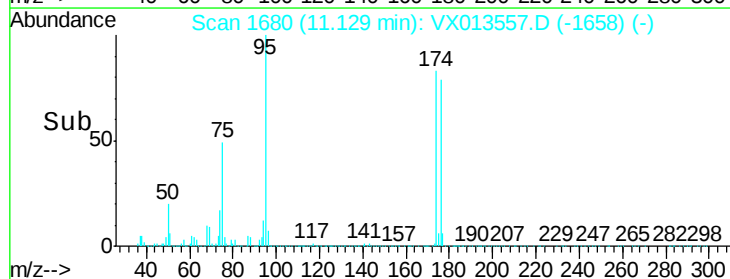
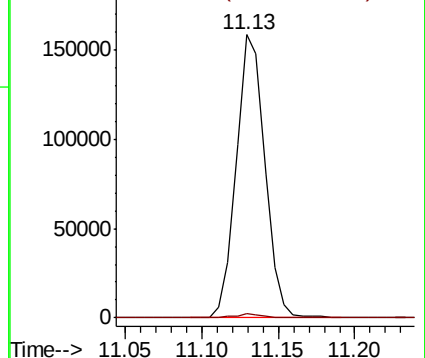
75 100

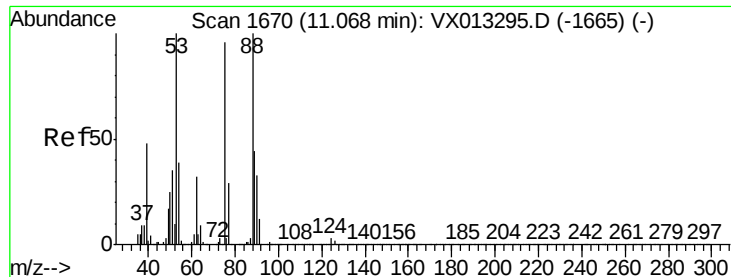
77 1.6 22.3 66.8#



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: 61.013 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013557.D

Acq: 23 Nov 2019 01:16

Instrument :

MSVOA_X

ClientSampleId :

20BR-20191120DL

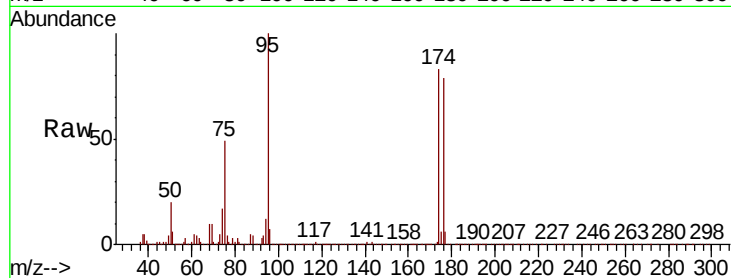
Tot Ion: 75 Resp: 203988

Ion Ratio Lower Upper

75 100

53 0.5 81.0 121.6#

89 0.1 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

