

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013558.D
 Acq On : 23 Nov 2019 01:40
 Operator : JC/SP
 Sample : K5962-08DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 29BR-20191120DL

Quant Time: Nov 23 02:36:26 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	666889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1093973	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	977319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	443247	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	399085	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
35) Dibromofluoromethane	5.49	113	331879	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
50) Toluene-d8	8.71	98	1306489	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.14	95	439150	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	

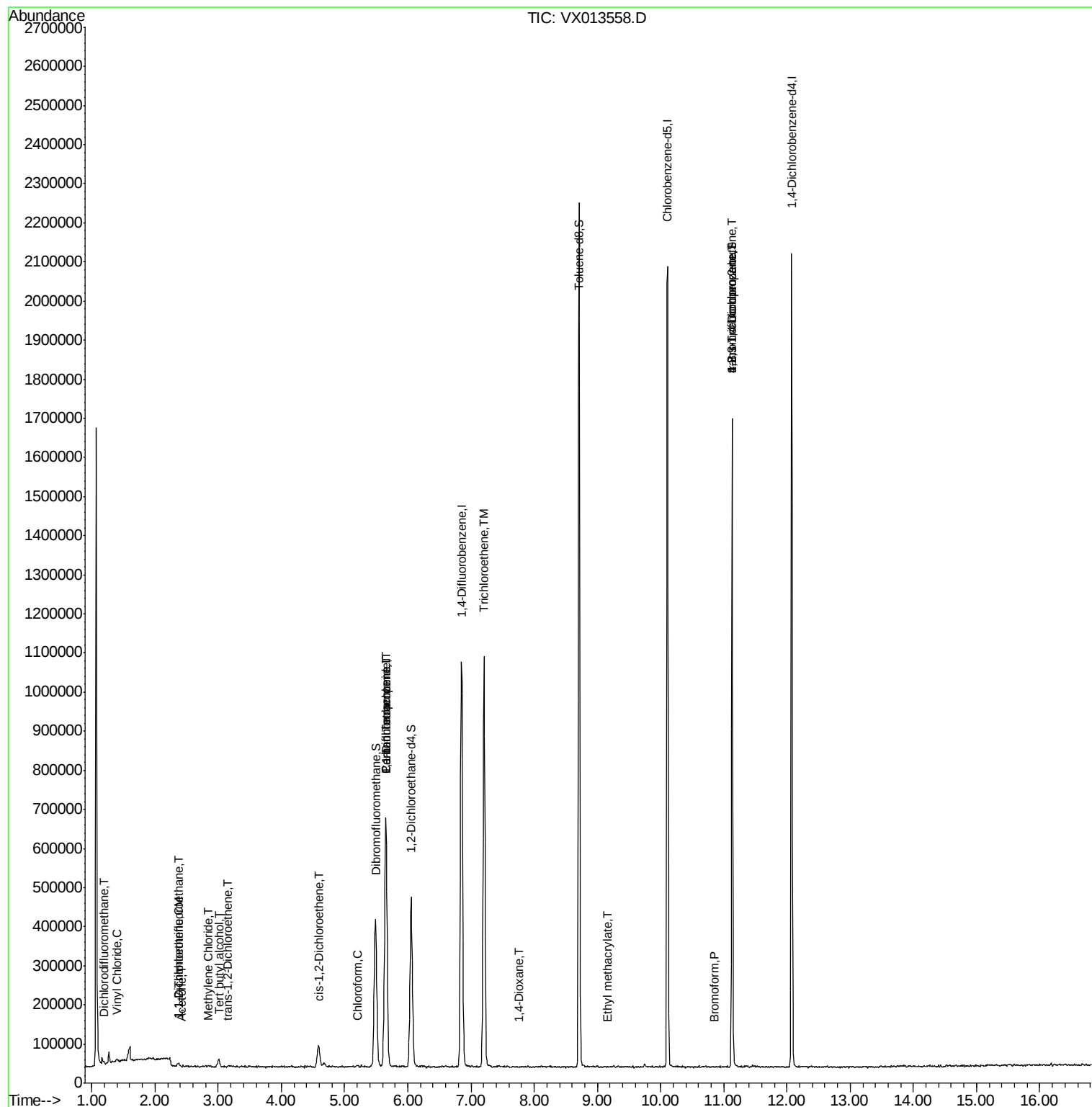
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	4192	0.546	ug/l	74
4) Vinyl Chloride	1.40	62	1920	0.202	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2970	0.475	ug/l #	74
11) Tert butyl alcohol	3.01	59	11940	5.734	ug/l #	86
12) 1,1-Dichloroethene	2.37	96	3028	0.495	ug/l #	83
16) Acetone	2.42	43	1139	0.289	ug/l #	63
20) Methylene Chloride	2.84	84	2308	0.317	ug/l #	81
21) trans-1,2-Dichloroethene	3.16	96	1471	0.221	ug/l #	64
27) cis-1,2-Dichloroethene	4.59	96	36760	4.927	ug/l	92
30) Chloroform	5.21	83	4034	0.340	ug/l	89
36) 1,1-Dichloropropene	5.65	75	44718	4.765	ug/l #	51
38) Carbon Tetrachloride	5.65	117	57780	6.296	ug/l #	18
44) Trichloroethene	7.21	130	424989	52.813	ug/l	99
49) 1,4-Dioxane	7.75	88	452	2.190	ug/l #	39
56) Ethyl methacrylate	9.16	69	166	1.576	ug/l #	1
71) Bromoform	10.85	173	166	3.226	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	215121	23.895	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	215121	61.504	ug/l #	9

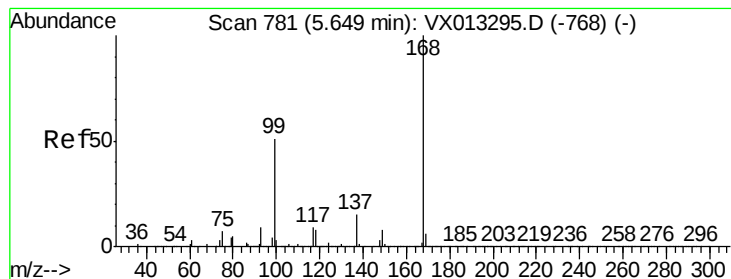
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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# 782

Delta R.T. 0.01 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

Instrument :

MSVOA_X

ClientSampleId :

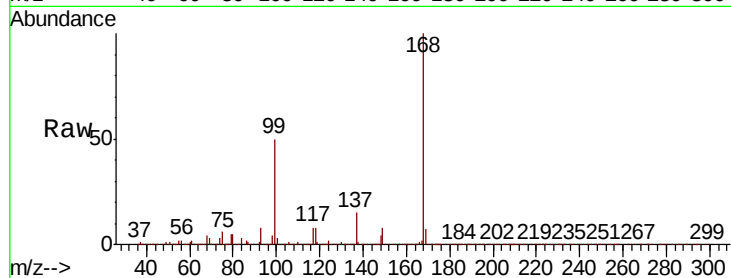
29BR-20191120DL

Tot Ion:168 Resp: 666889

Ion Ratio Lower Upper

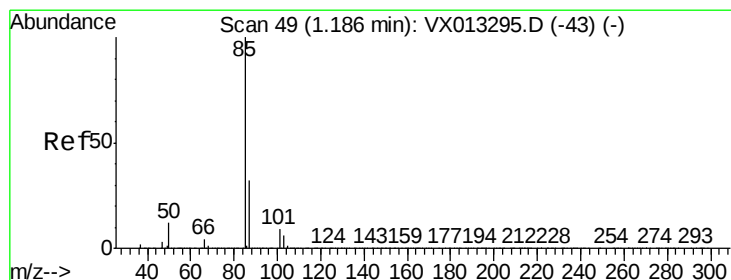
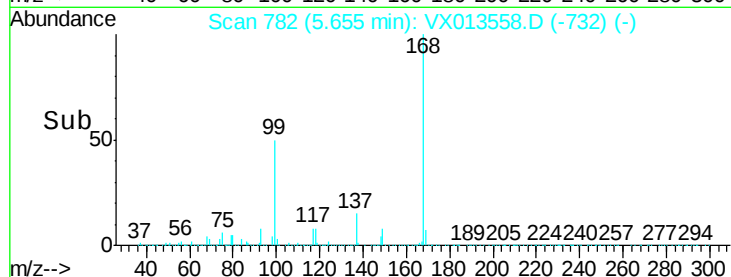
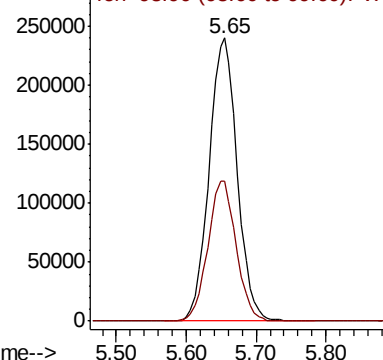
168 100

99 49.6 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.546 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013558.D

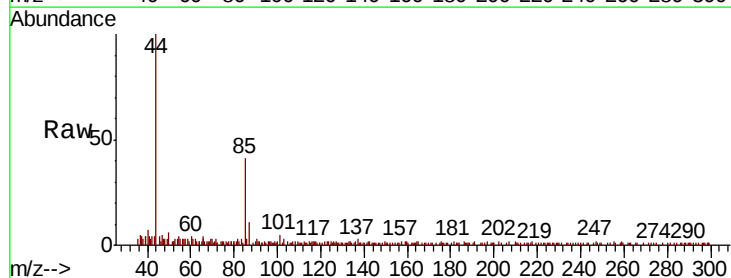
Acq: 23 Nov 2019 01:40

Tgt Ion: 85 Resp: 4192

Ion Ratio Lower Upper

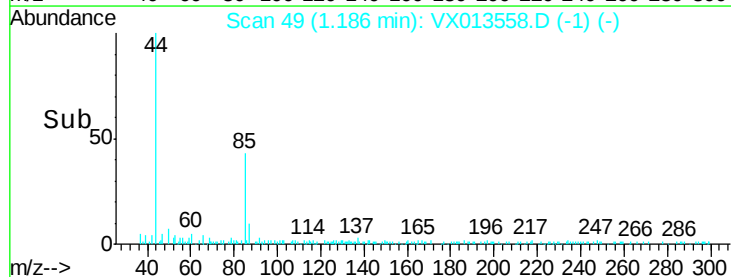
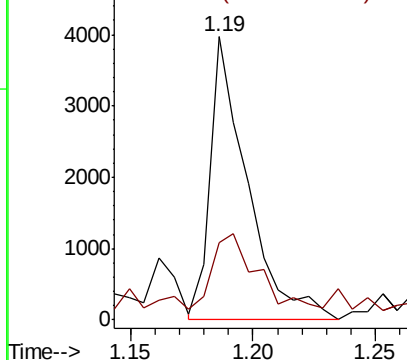
85 100

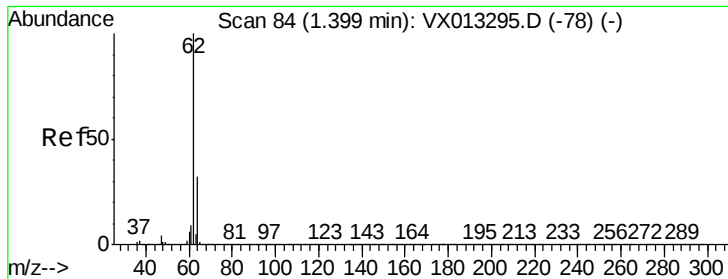
87 17.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#4

Vinyl Chloride

Concen: 0.202 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

Instrument :

MSVOA_X

ClientSampleId :

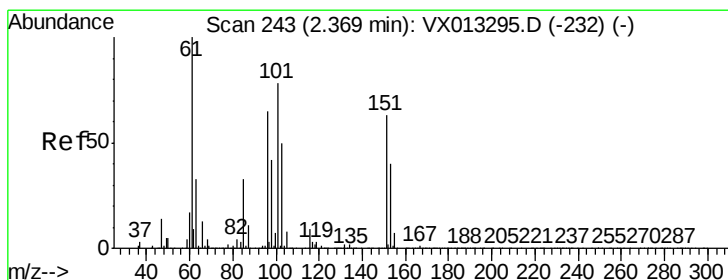
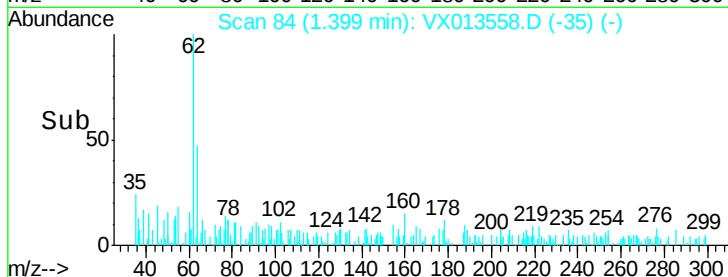
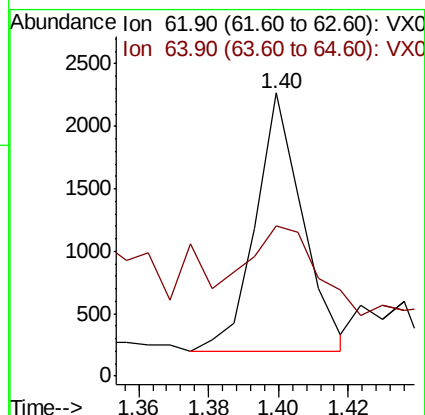
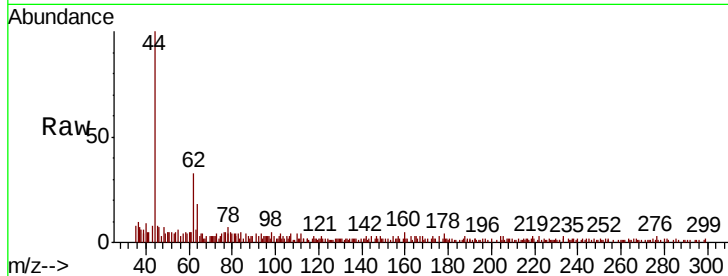
29BR-20191120DL

Tot Ion: 62 Resp: 1920

Ion Ratio Lower Upper

62 100

64 26.5 25.6 38.4



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.475 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

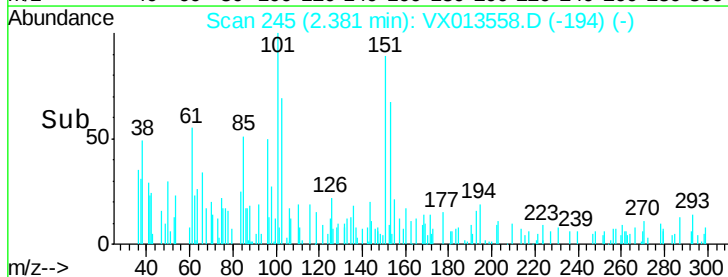
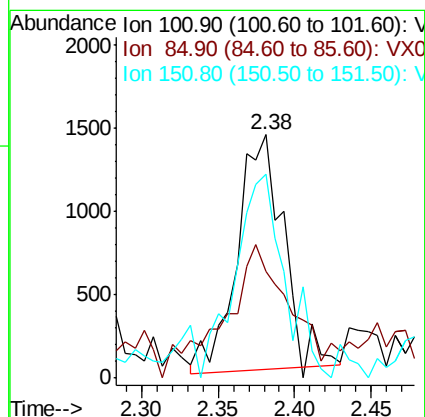
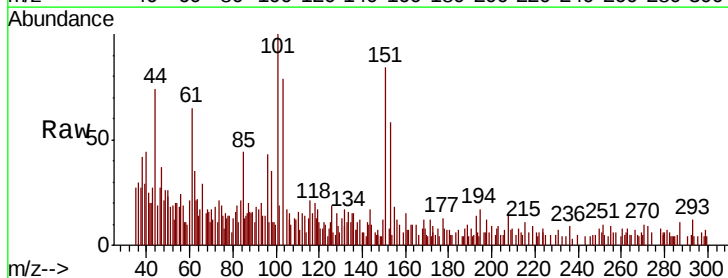
Tgt Ion: 101 Resp: 2970

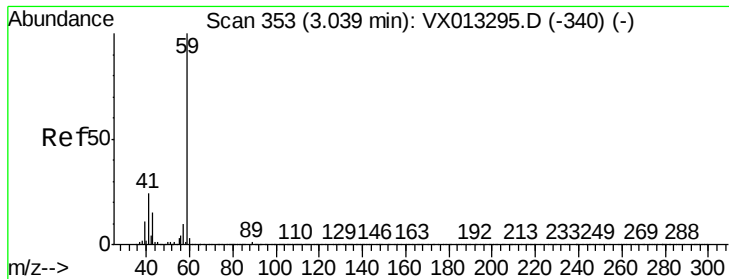
Ion Ratio Lower Upper

101 100

85 79.4 34.4 51.6#

151 92.6 66.4 99.6



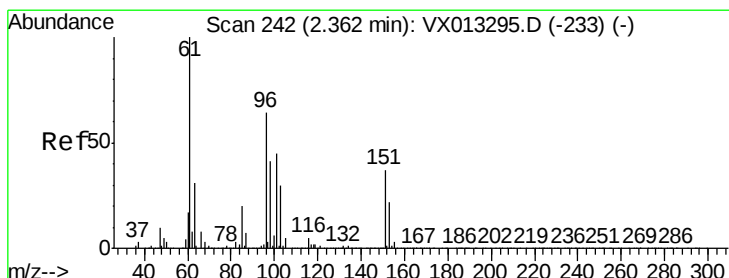
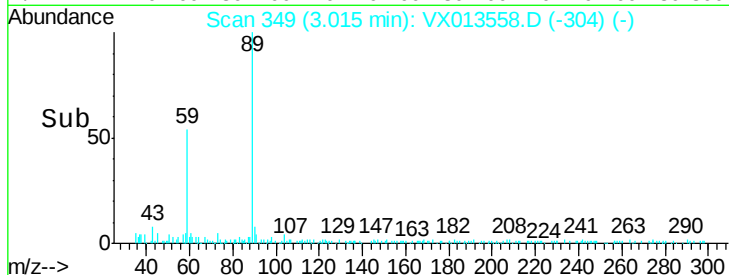
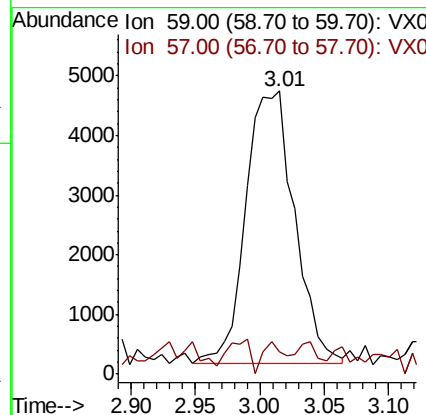
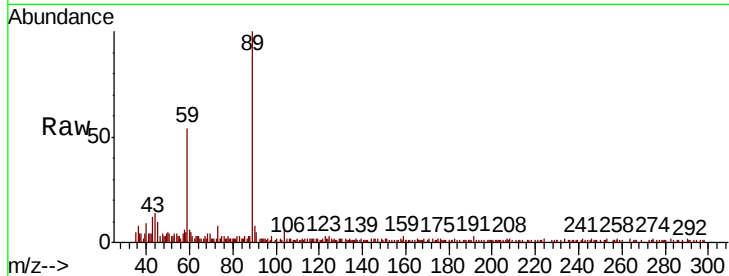


#11

Tert butyl alcohol
Concen: 5.734 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013558.D
Acq: 23 Nov 2019 01:40

Instrument :
MSVOA_X
ClientSampleId :
29BR-20191120DL

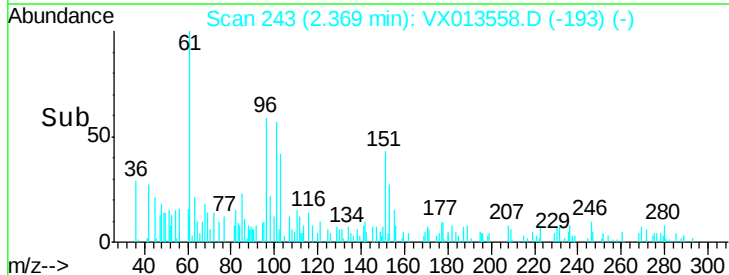
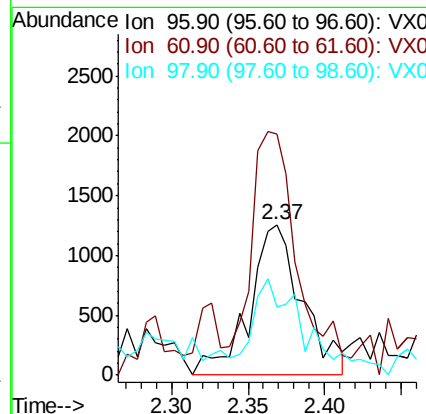
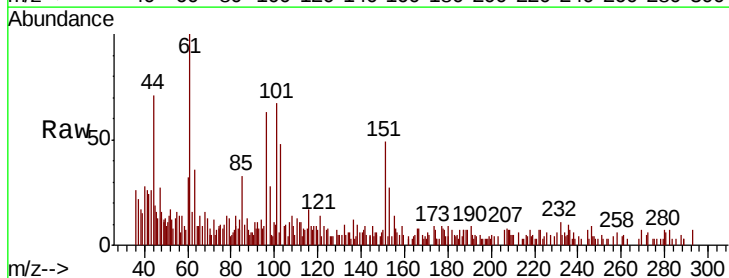
Tot Ion: 59 Resp: 11940
Ion Ratio Lower Upper
59 100
57 4.9 8.0 12.0#

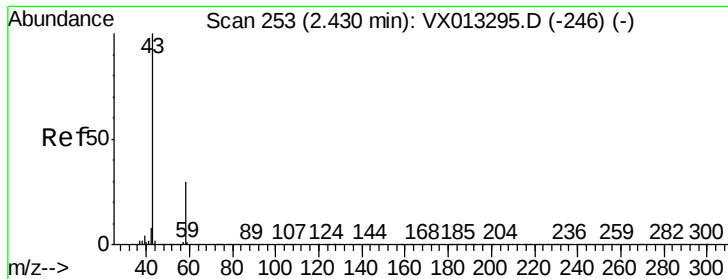


#12

1,1-Dichloroethene
Concen: 0.495 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX013558.D
Acq: 23 Nov 2019 01:40

Tgt Ion: 96 Resp: 3028
Ion Ratio Lower Upper
96 100
61 146.7 125.0 187.6
98 31.1 50.7 76.1#

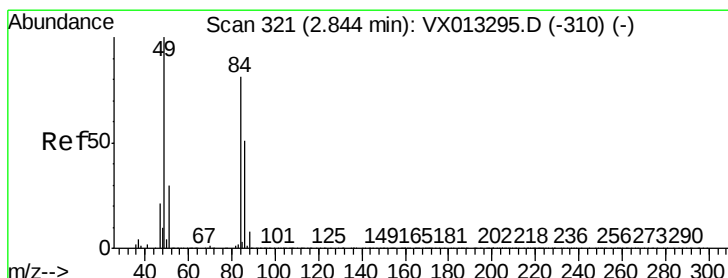
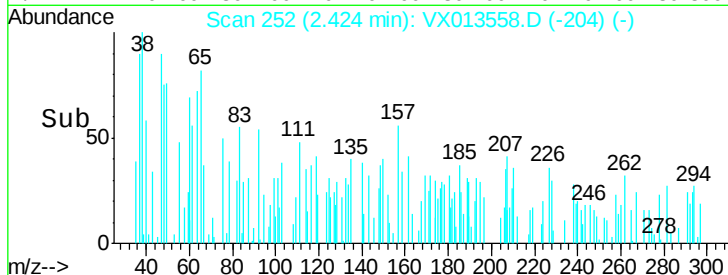
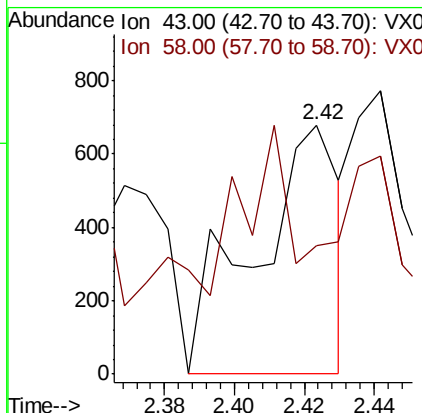
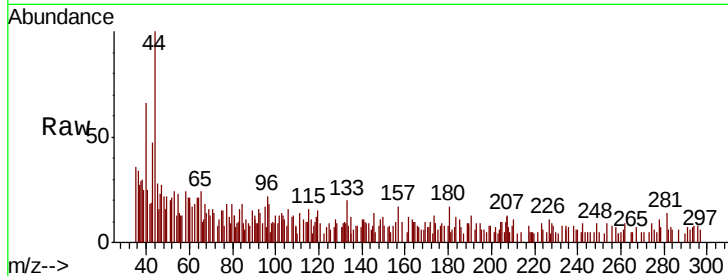




#16
Acetone
Concen: 0.289 ug/l
RT: 2.42 min Scan# 252
Delta R.T. -0.01 min
Lab File: VX013558.D
Acq: 23 Nov 2019 01:40

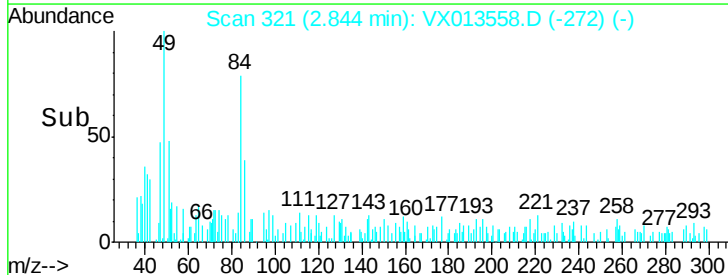
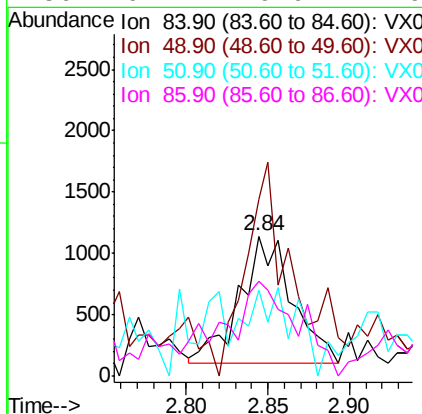
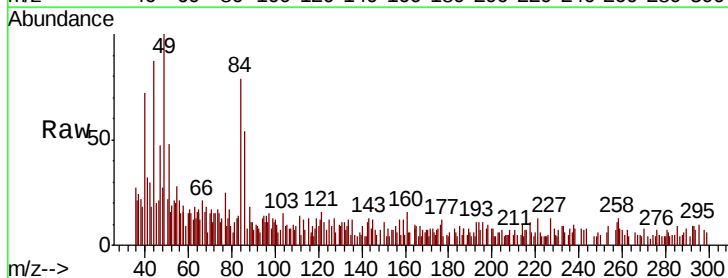
Instrument :
MSVOA_X
ClientSampleID :
29BR-20191120DL

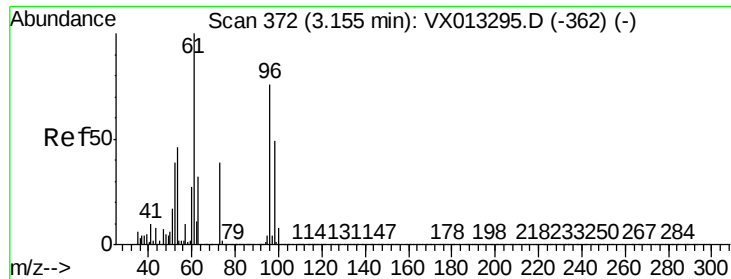
Tot Ion: 43 Resp: 1139
Ion Ratio Lower Upper
43 100
58 10.0 24.3 36.5#



#20
Methylene Chloride
Concen: 0.317 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013558.D
Acq: 23 Nov 2019 01:40

Tgt Ion: 84 Resp: 2308
Ion Ratio Lower Upper
84 100
49 92.8 98.2 147.4#
51 51.4 29.9 44.9#
86 61.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 0.221 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

Instrument :

MSVOA_X

ClientSampleId :

29BR-20191120DL

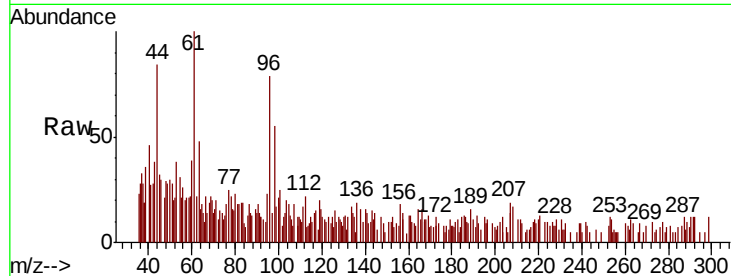
Tot Ion: 96 Resp: 1471

Ion Ratio Lower Upper

96 100

61 95.0 105.8 158.6#

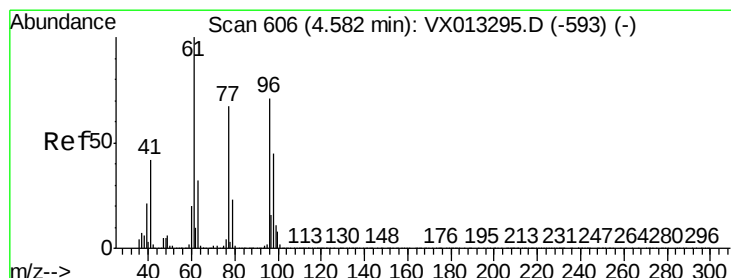
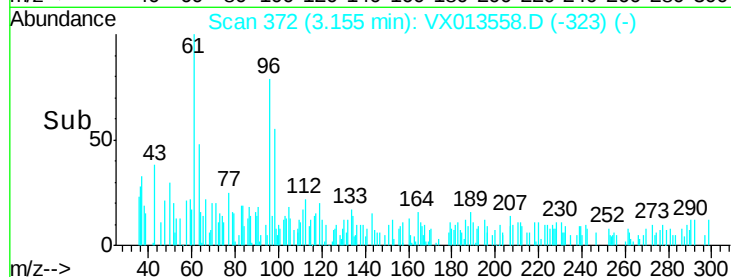
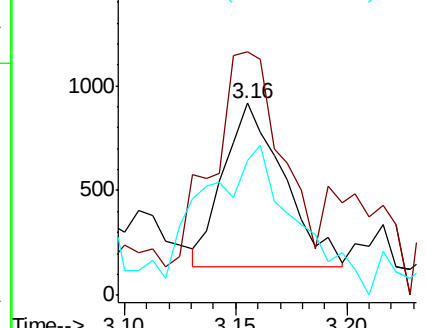
98 29.5 51.8 77.6#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 4.927 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

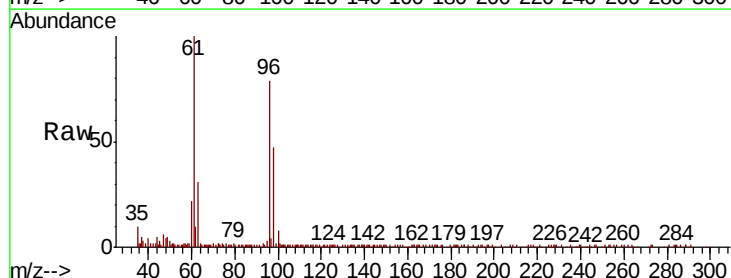
Tgt Ion: 96 Resp: 36760

Ion Ratio Lower Upper

96 100

61 130.6 0.0 288.0

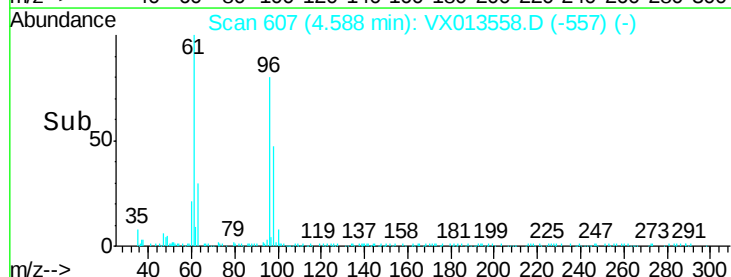
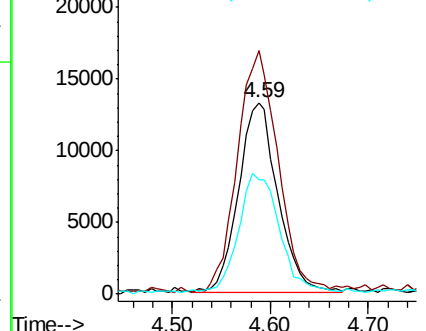
98 64.6 0.0 129.6

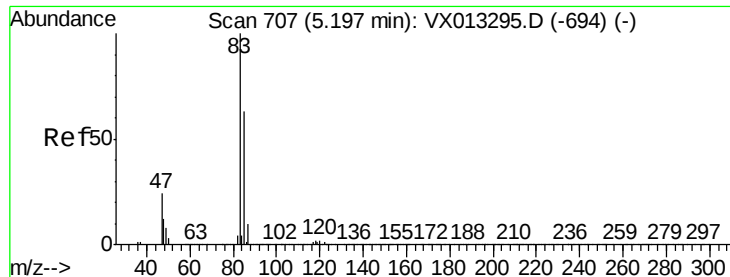


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

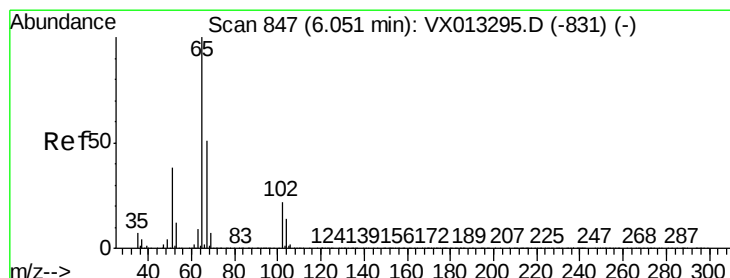
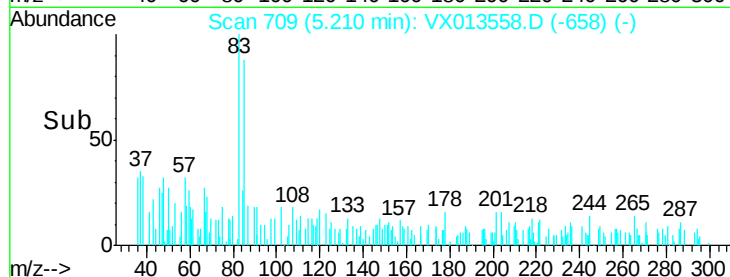
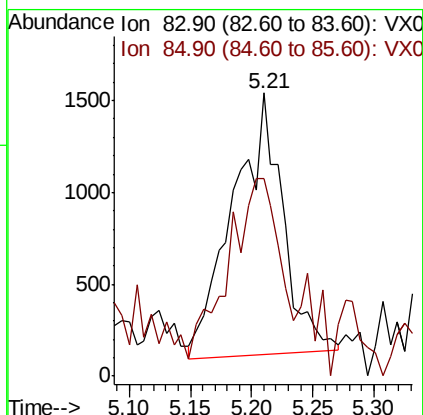
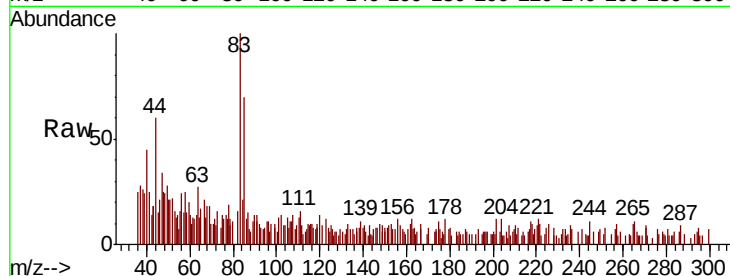




#30
Chloroform
Concen: 0.340 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX013558.D
Acq: 23 Nov 2019 01:40

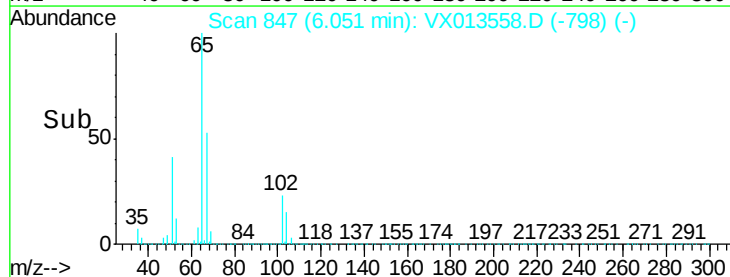
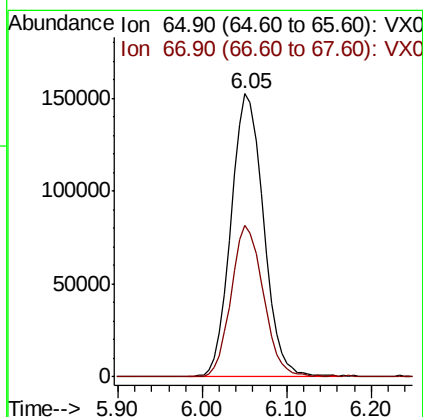
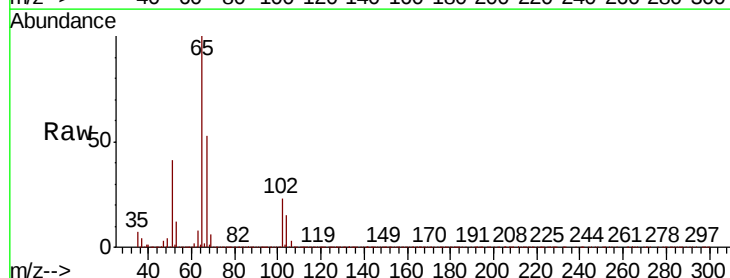
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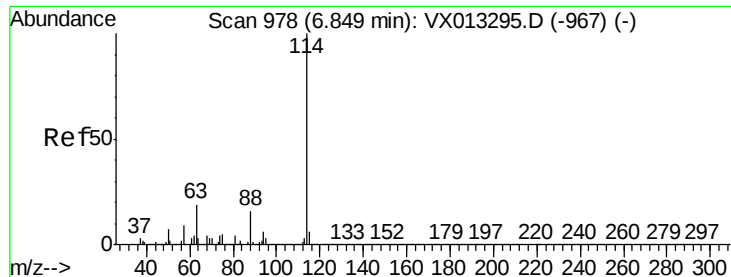
Tot Ion: 83 Resp: 4034
Ion Ratio Lower Upper
83 100
85 71.3 50.2 75.4



#33
1,2-Dichloroethane-d4
Concen: 50.513 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013558.D
Acq: 23 Nov 2019 01:40

Tgt Ion: 65 Resp: 399085
Ion Ratio Lower Upper
65 100
67 52.3 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: VX013558.D

Acq: 23 Nov 2019 01:40

Instrument :

MSVOA_X

ClientSampleId :

29BR-20191120DL

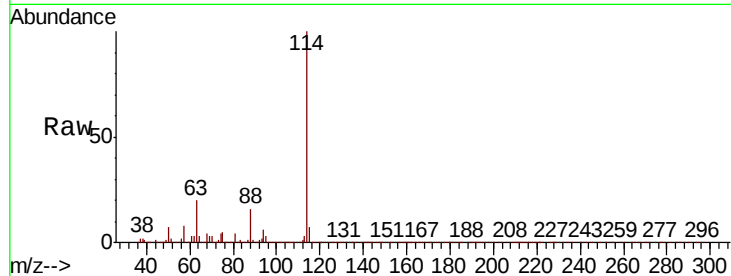
Tot Ion:114 Resp: 1093973

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

88 15.6 0.0 32.2



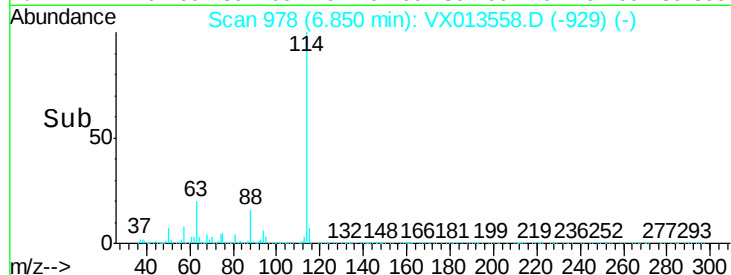
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

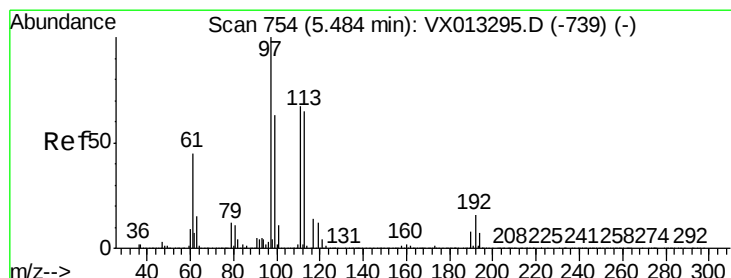
Ion 87.90 (87.60 to 88.60): VX0

6.85

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 48.368 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

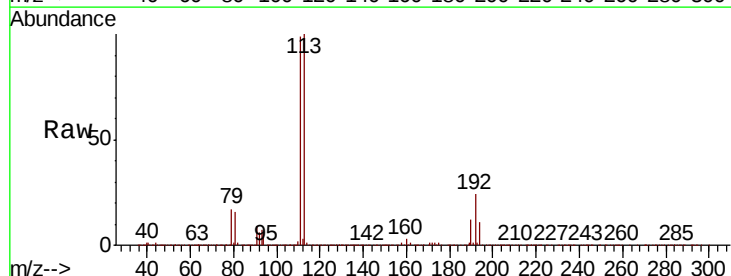
Tgt Ion:113 Resp: 331879

Ion Ratio Lower Upper

113 100

111 101.0 81.9 122.9

192 23.7 19.1 28.7



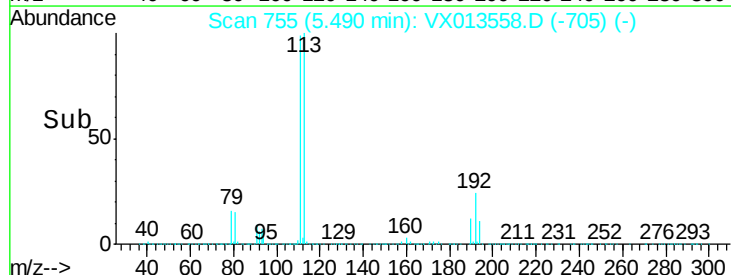
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

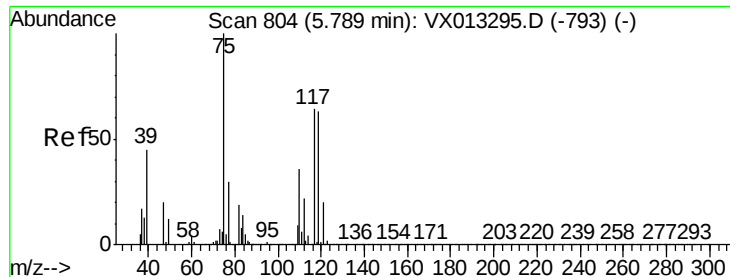
Ion 191.70 (191.40 to 192.40): V

5.49

Time-->



Time-->



#36

1,1-Dichloropropene

Concen: 4.765 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

Instrument :

MSVOA_X

ClientSampleId :

29BR-20191120DL

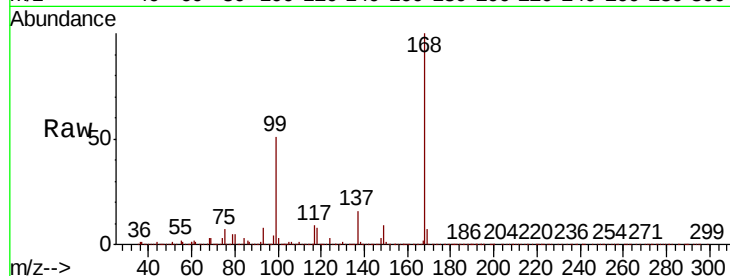
Tot Ion: 75 Resp: 44718

Ion Ratio Lower Upper

75 100

110 11.1 18.1 54.1#

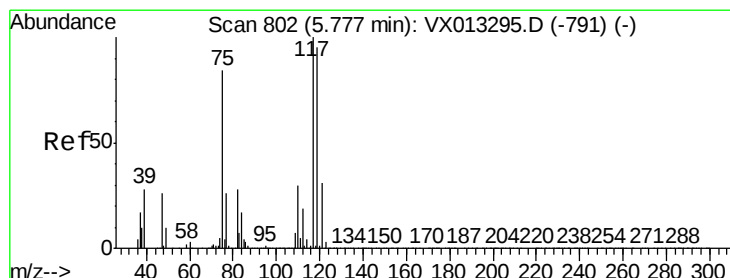
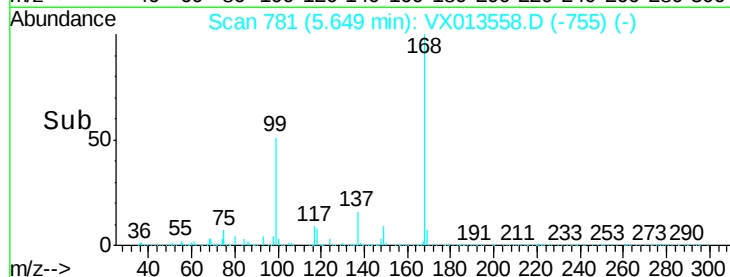
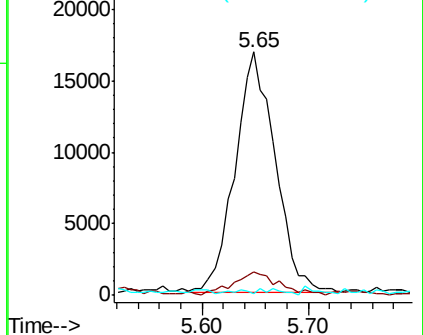
77 0.3 25.0 37.4#



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: 6.296 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

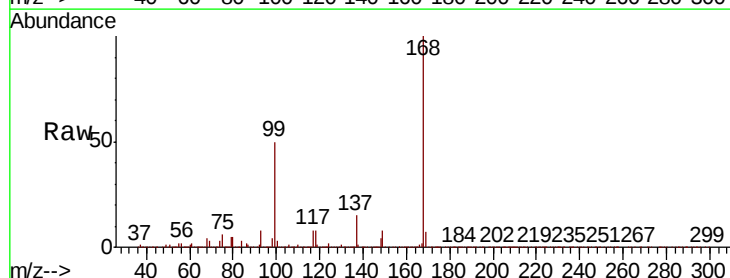
Tgt Ion: 117 Resp: 57780

Ion Ratio Lower Upper

117 100

119 6.7 76.1 114.1#

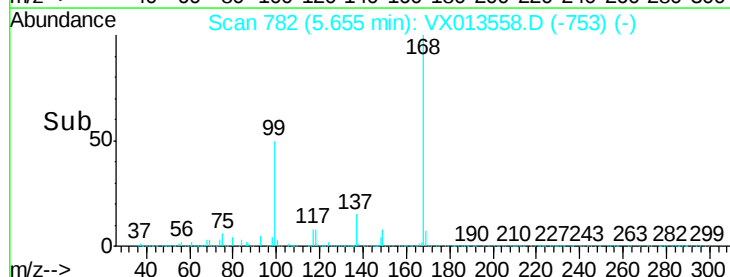
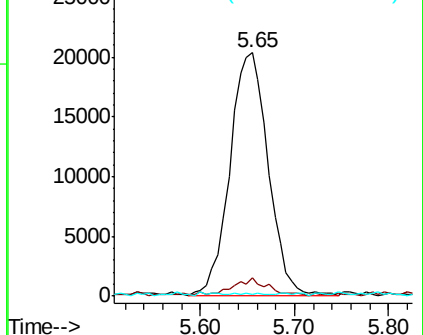
121 0.7 24.6 37.0#

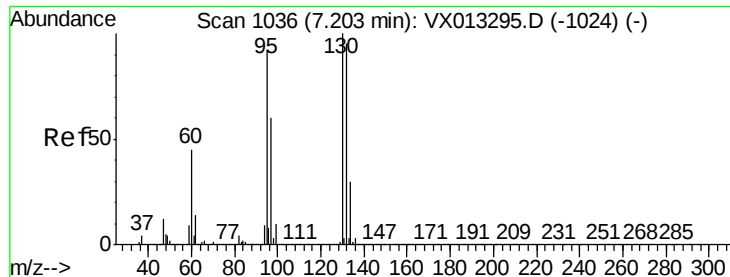


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 52.813 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

Instrument :

MSVOA_X

ClientSampleId :

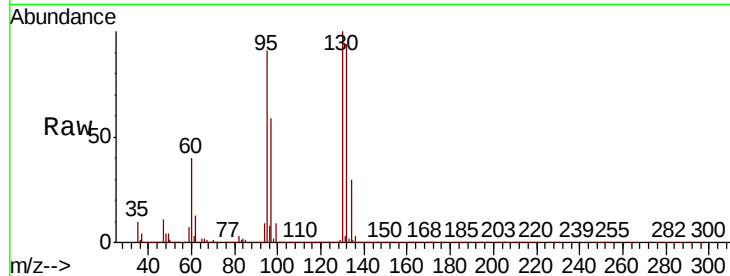
29BR-20191120DL

Tot Ion:130 Resp: 424989

Ion Ratio Lower Upper

130 100

95 91.3 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

200000

150000

100000

50000

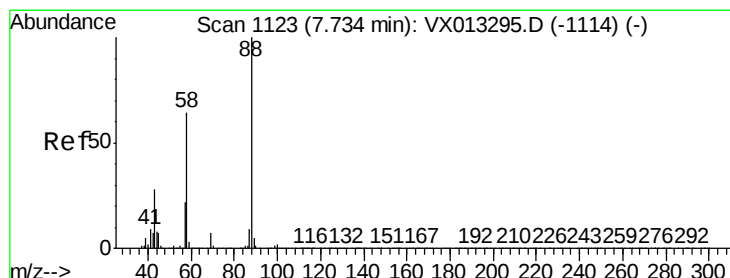
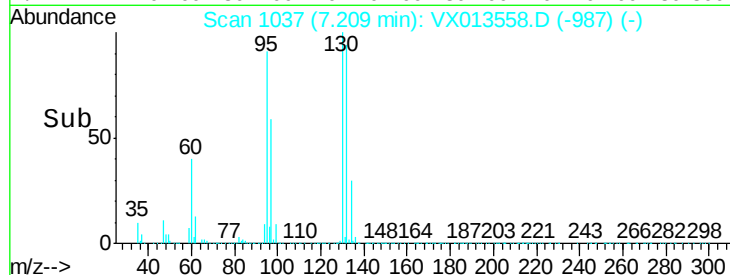
0

7.10

7.20

7.30

Time-->



#49

1,4-Dioxane

Concen: 2.190 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

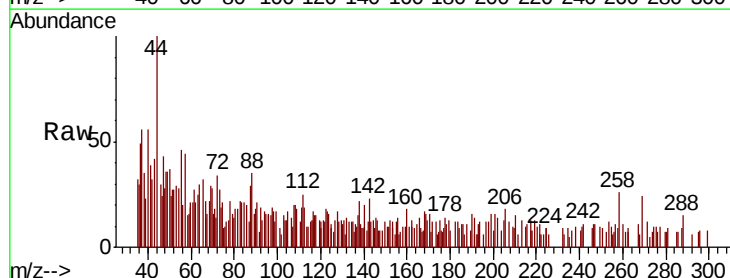
Tgt Ion: 88 Resp: 452

Ion Ratio Lower Upper

88 100

43 105.3 26.6 39.8#

58 44.7 55.0 82.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800

600

400

200

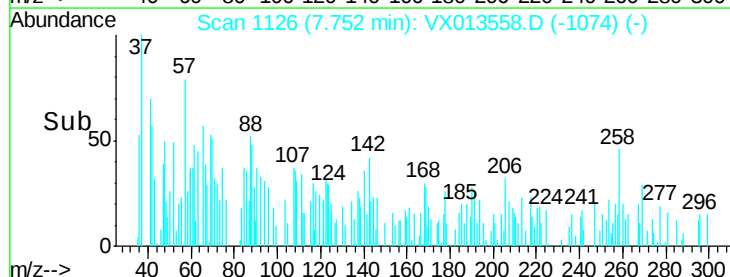
0

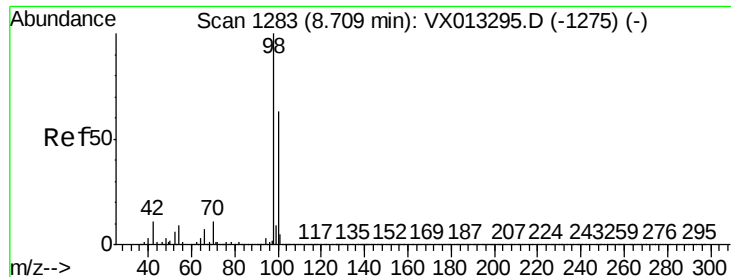
7.72

7.74

7.76

Time-->





#50

Toluene-d8

Concen: 50.507 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

Instrument :

MSVOA_X

ClientSampleId :

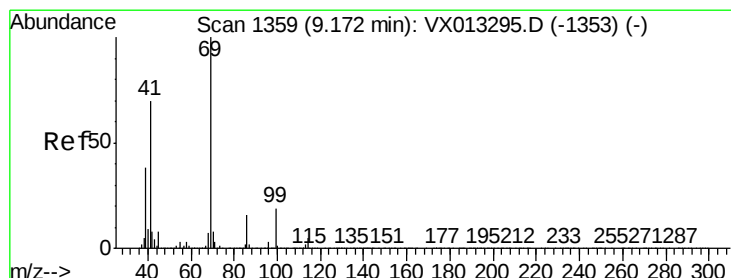
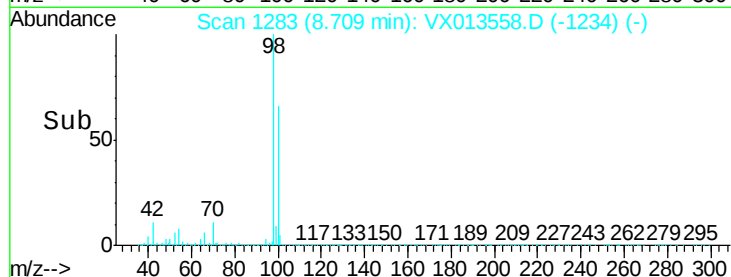
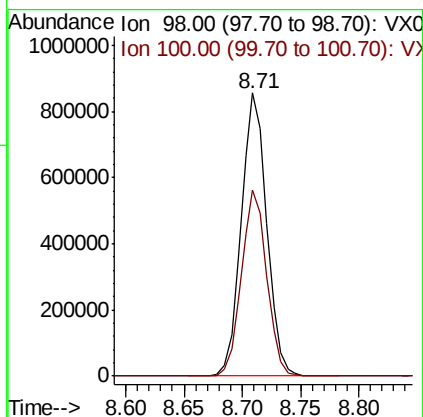
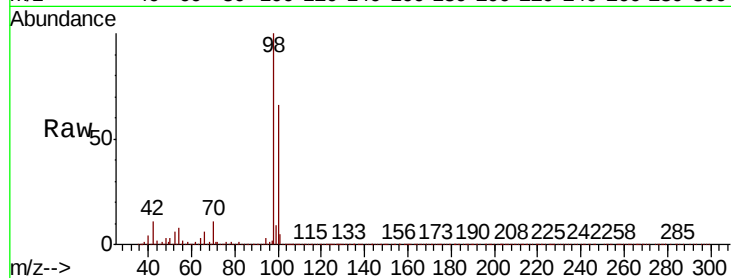
29BR-20191120DL

Tot Ion: 98 Resp: 1306489

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.576 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

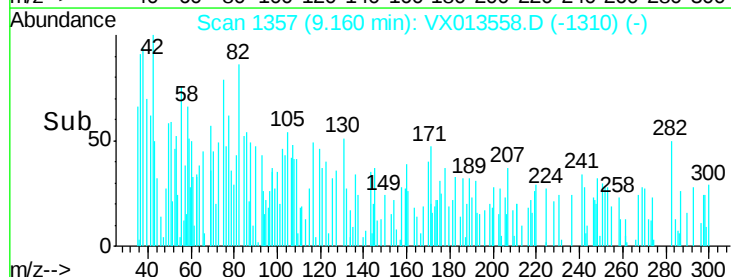
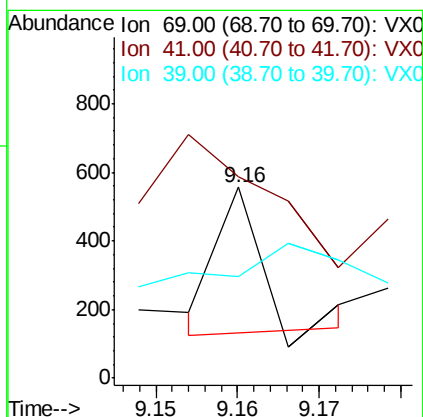
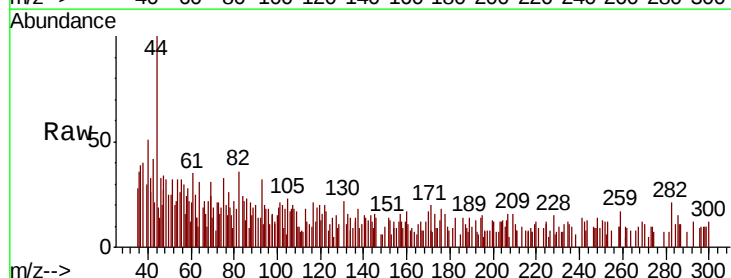
Tgt Ion: 69 Resp: 166

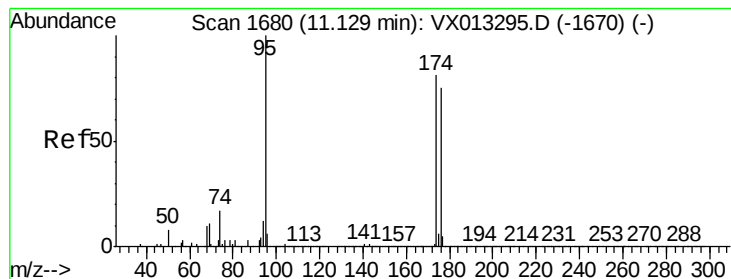
Ion Ratio Lower Upper

69 100

41 216.3 56.2 84.2#

39 356.6 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 47.040 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

Instrument :

MSVOA_X

ClientSampleId :

29BR-20191120DL

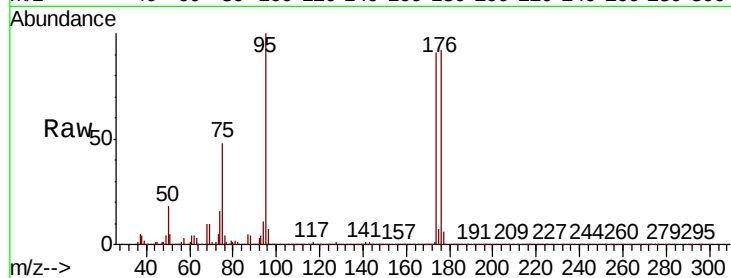
Tot Ion: 95 Resp: 439150

Ion Ratio Lower Upper

95 100

174 89.0 0.0 179.8

176 86.5 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time-->

11.14

400000

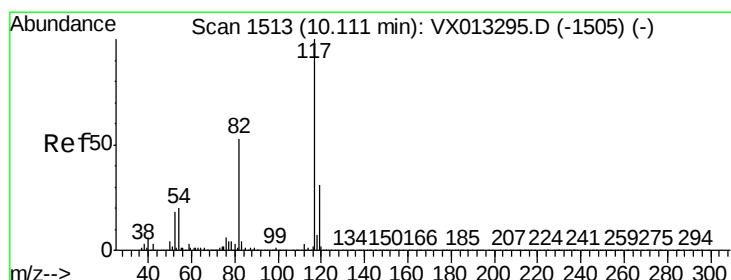
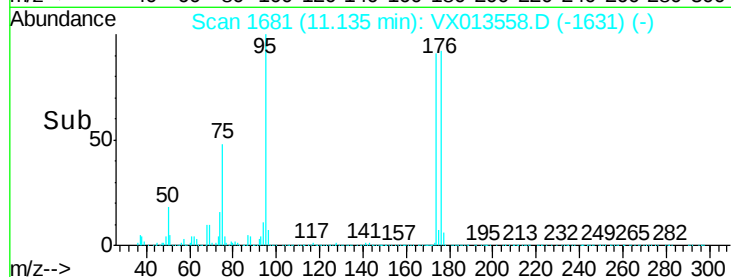
300000

200000

100000

0

11.00 11.10 11.20 11.30



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

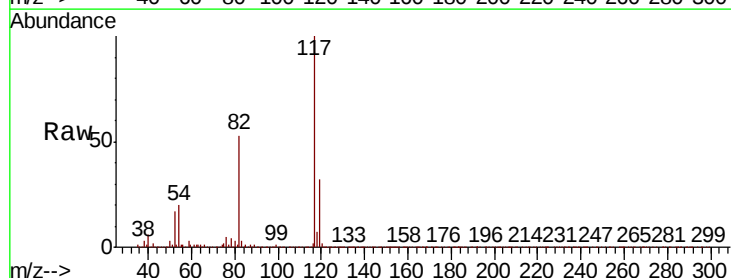
Tgt Ion: 117 Resp: 977319

Ion Ratio Lower Upper

117 100

82 53.3 42.6 64.0

119 32.3 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

Time-->

10.11

1000000

800000

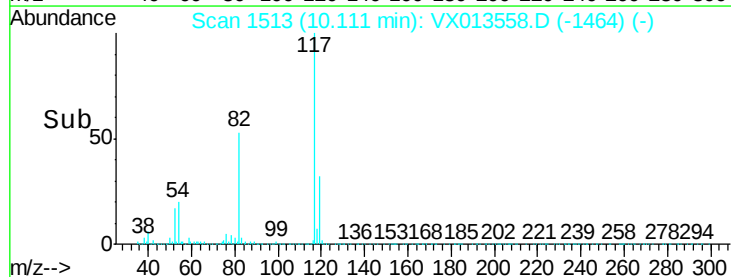
600000

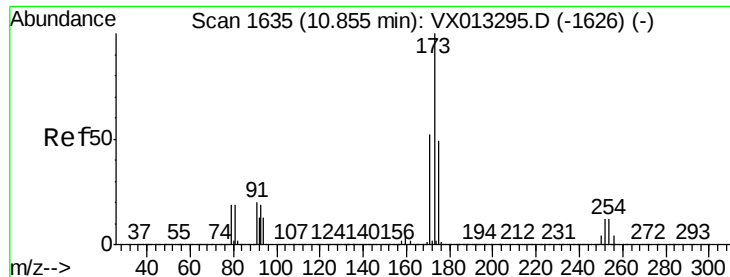
400000

200000

0

10.00 10.10 10.20





#71

Bromoform

Concen: 3.226 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013558.D

Acq: 23 Nov 2019 01:40

Instrument :

MSVOA_X

ClientSampleId :

29BR-20191120DL

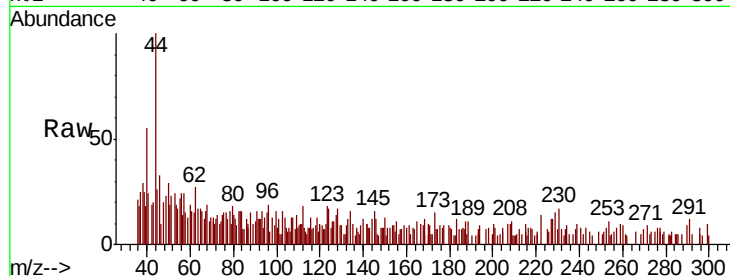
Tot Ion:173 Resp: 166

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

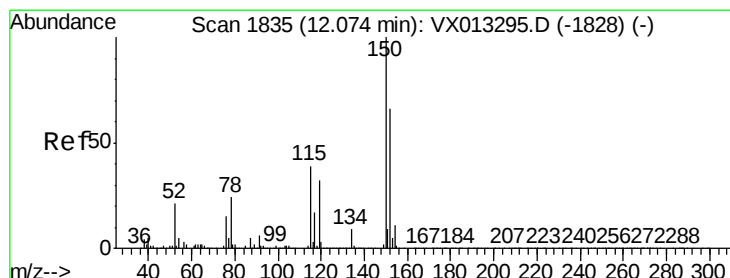
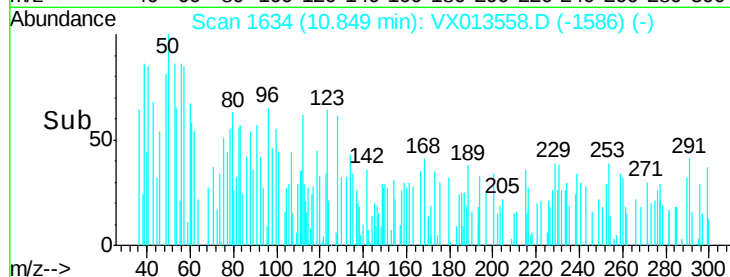
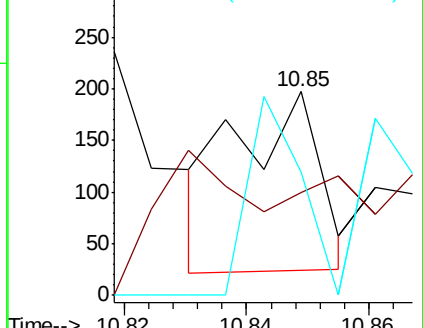
254 68.7 0.2 0.2#



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: VX013558.D

Acq: 23 Nov 2019 01:40

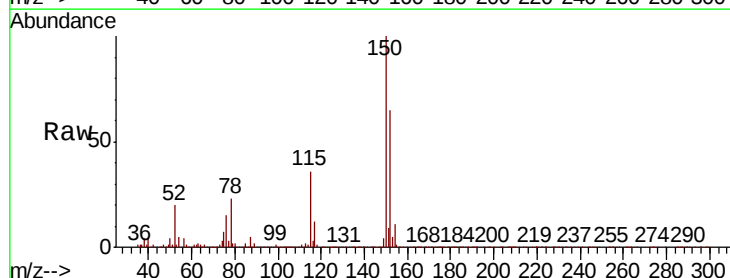
Tgt Ion:152 Resp: 443247

Ion Ratio Lower Upper

152 100

115 54.8 39.5 118.3

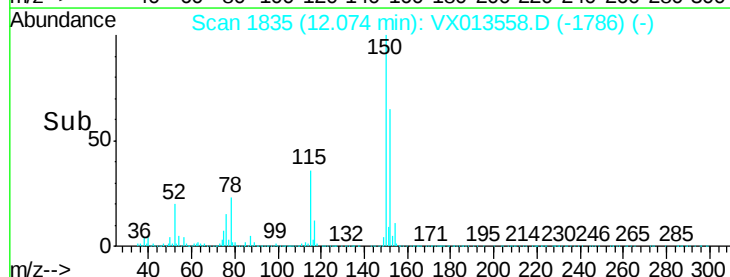
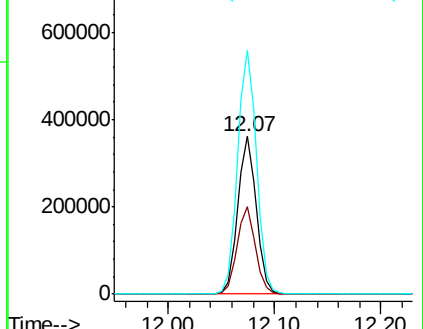
150 157.7 0.0 344.4

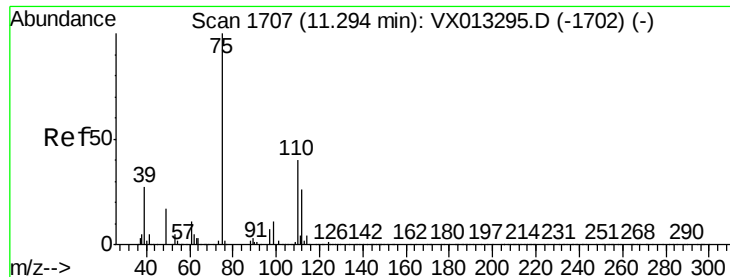


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

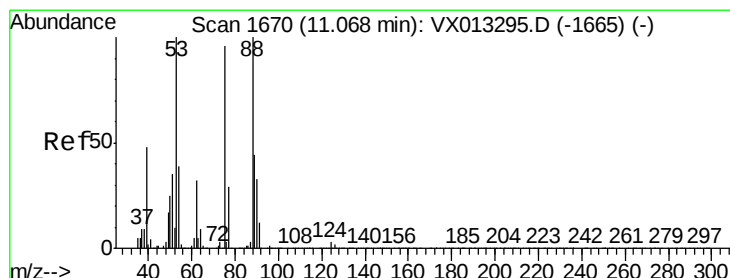
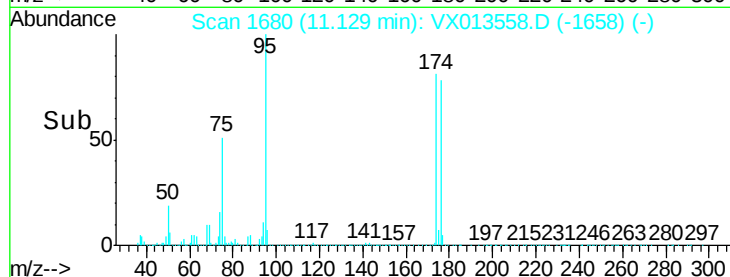
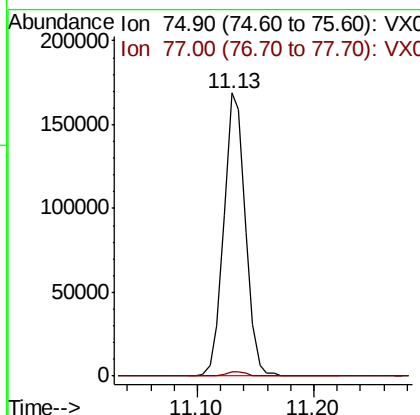
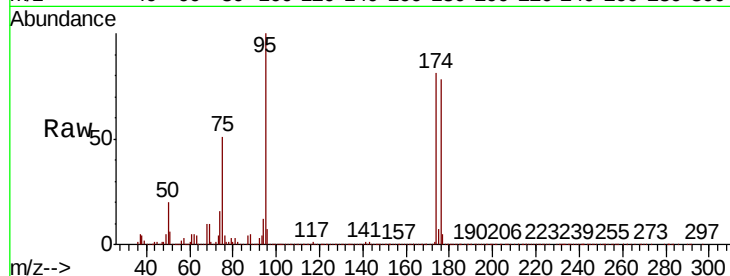




#76
 1,2,3-Trichloropropane
 Concen: 23.895 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013558.D
 Acq: 23 Nov 2019 01:40

Instrument :
 MSVOA_X
 ClientSampleId :
 29BR-20191120DL

Tot Ion: 75 Resp: 215121
 Ion Ratio Lower Upper
 75 100
 77 1.8 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.504 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013558.D
 Acq: 23 Nov 2019 01:40

Tgt Ion: 75 Resp: 215121
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.0 121.6#
 89 0.2 36.0 54.0#

