

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013562.D
 Acq On : 23 Nov 2019 03:13
 Operator : JC/SP
 Sample : K5962-12 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 91BR-20191120

Quant Time: Nov 23 04:24:01 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	667944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1075771	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	957538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	433542	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	392443	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	5.49	113	325679	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	8.71	98	1283117	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	11.14	95	430431	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	

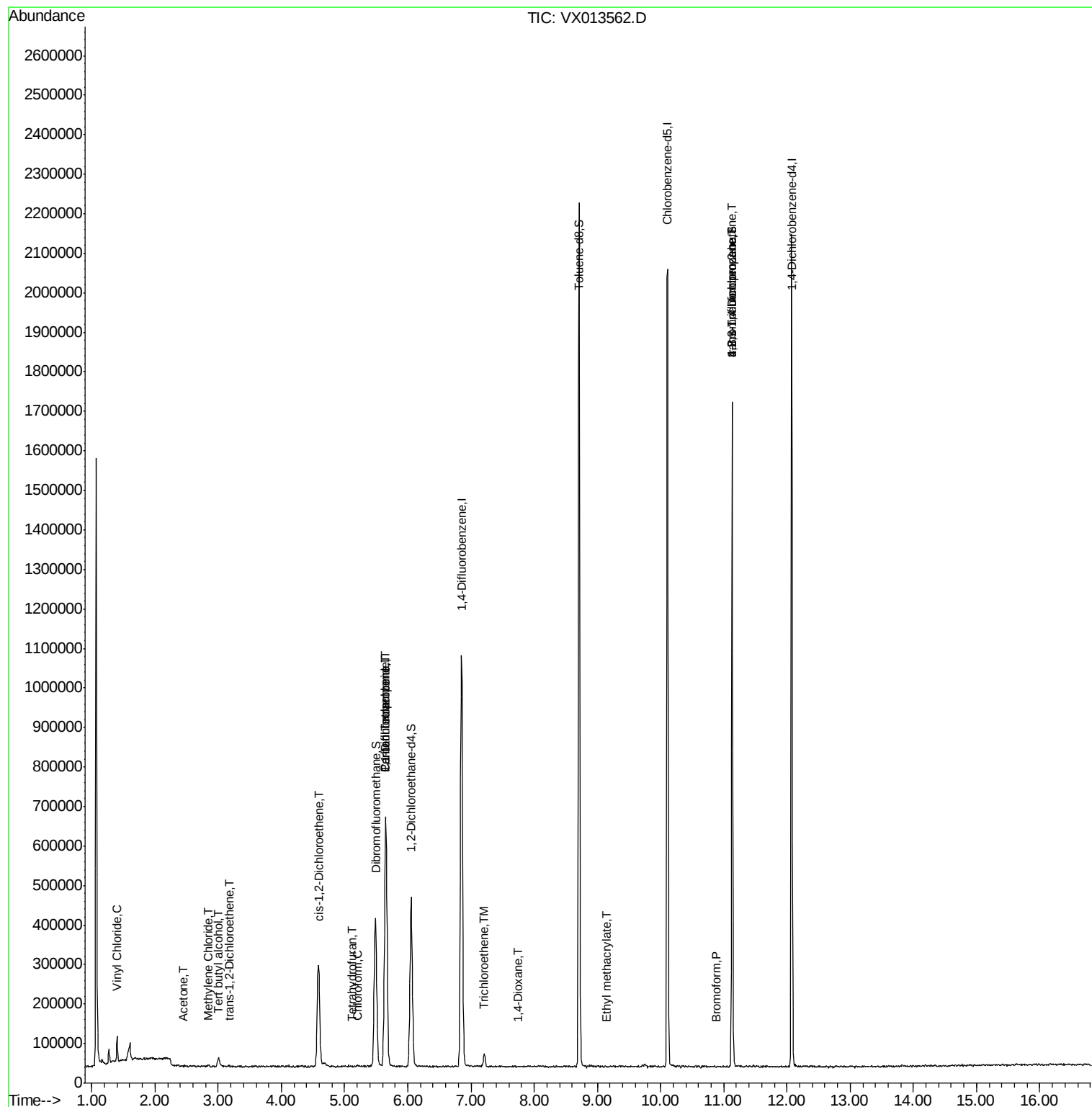
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	38731	4.076	ug/l	99
6) Chloroethane	1.70	64	768	Below Cal	#	31
11) Tert butyl alcohol	3.00	59	15375	7.372	ug/l #	82
16) Acetone	2.44	43	924	0.234	ug/l #	71
20) Methylene Chloride	2.84	84	2617	0.359	ug/l #	70
21) trans-1,2-Dichloroethene	3.17	96	1880	0.282	ug/l #	39
27) cis-1,2-Dichloroethene	4.59	96	172489	23.082	ug/l	91
29) Tetrahydrofuran	5.13	42	734	0.206	ug/l	93
30) Chloroform	5.20	83	4646	0.391	ug/l	95
36) 1,1-Dichloropropene	5.65	75	45781	4.961	ug/l #	51
38) Carbon Tetrachloride	5.65	117	58633	6.497	ug/l #	17
44) Trichloroethene	7.21	130	14731	1.862	ug/l	94
49) 1,4-Dioxane	7.75	88	173	0.852	ug/l #	1
56) Ethyl methacrylate	9.15	69	138	1.574	ug/l #	22
71) Bromoform	10.87	173	410	3.261	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	211565	24.026	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	211565	61.841	ug/l #	9

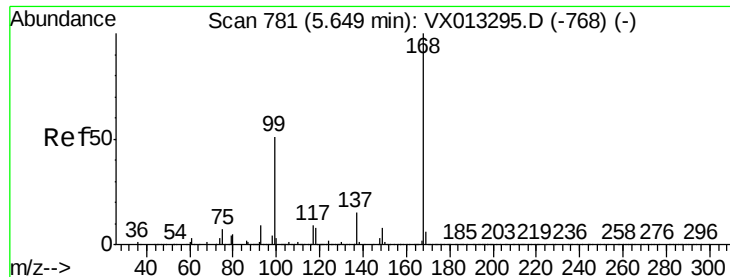
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013562.D

Acq: 23 Nov 2019 03:13

Instrument :

MSVOA_X

ClientSampleId :

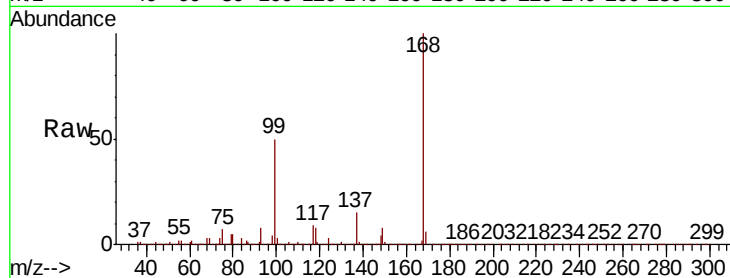
91BR-20191120

Tot Ion:168 Resp: 667944

Ion Ratio Lower Upper

168 100

99 49.8 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

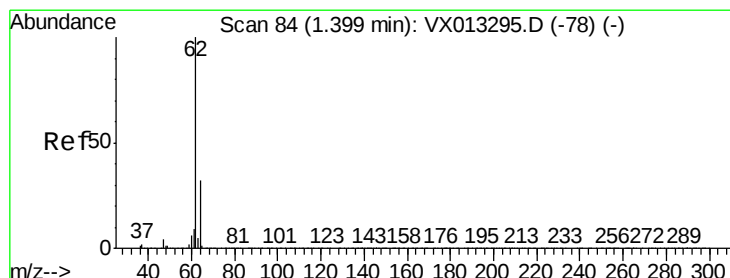
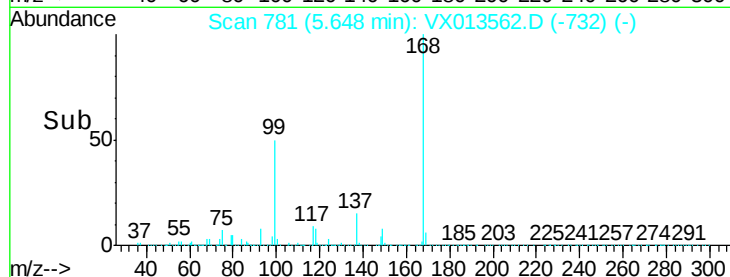
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 4.076 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013562.D

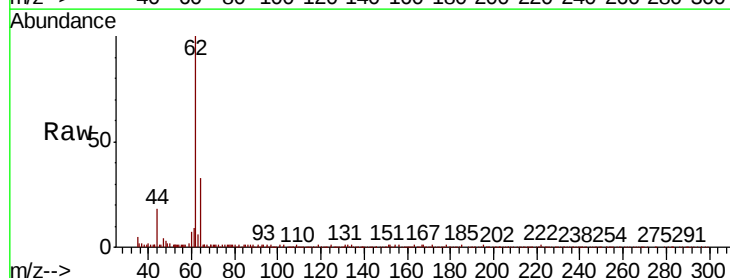
Acq: 23 Nov 2019 03:13

Tgt Ion: 62 Resp: 38731

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

40000

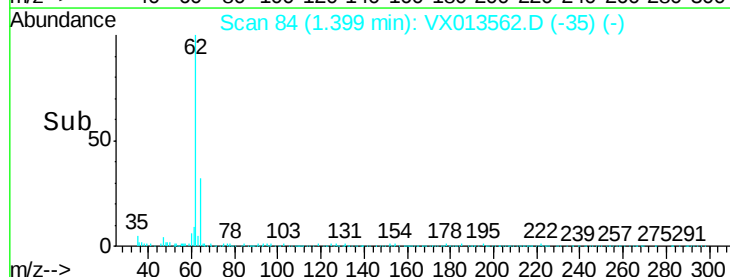
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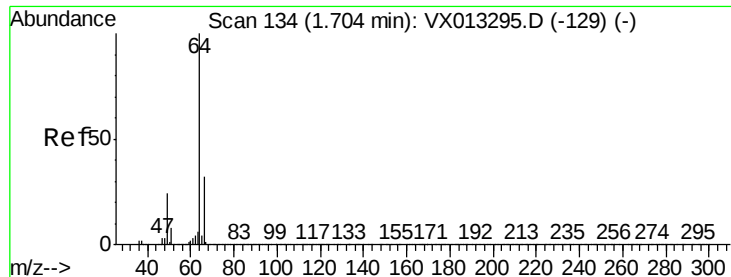
20000

10000

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013562.D

Acq: 23 Nov 2019 03:13

Instrument :

MSVOA_X

ClientSampleId :

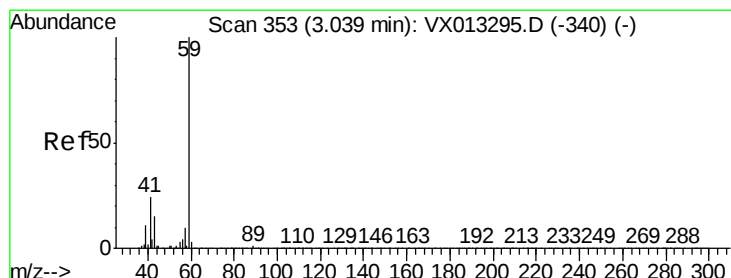
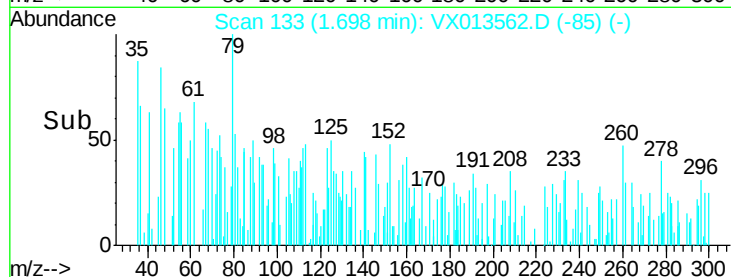
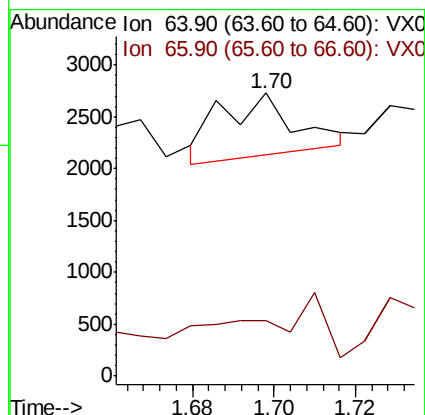
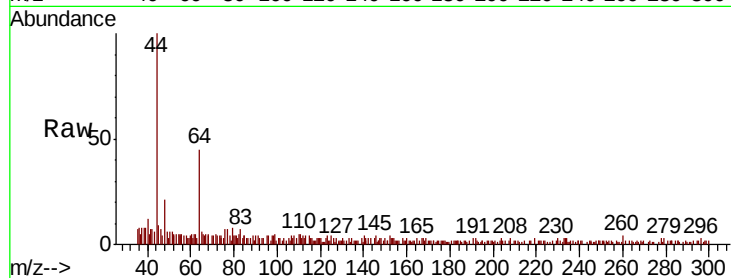
91BR-20191120

Tot Ion: 64 Resp: 768

Ion Ratio Lower Upper

64 100

66 70.3 25.6 38.4#



#11

Tert butyl alcohol

Concen: 7.372 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.04 min

Lab File: VX013562.D

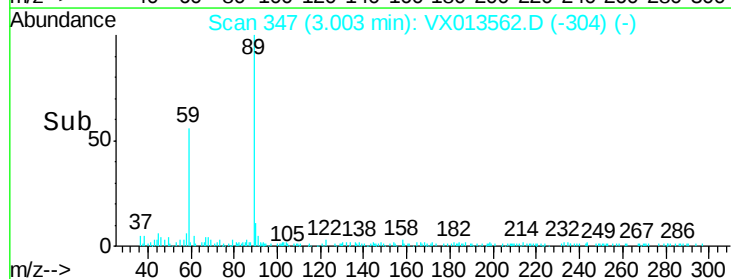
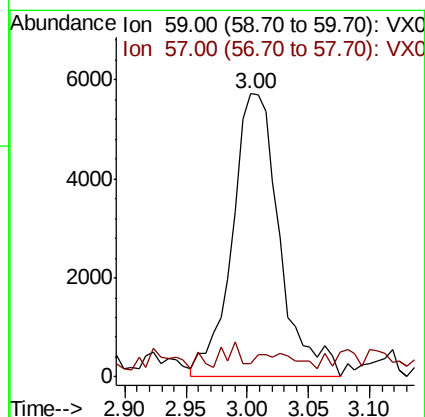
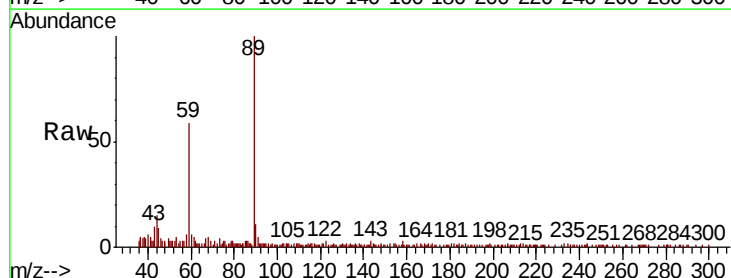
Acq: 23 Nov 2019 03:13

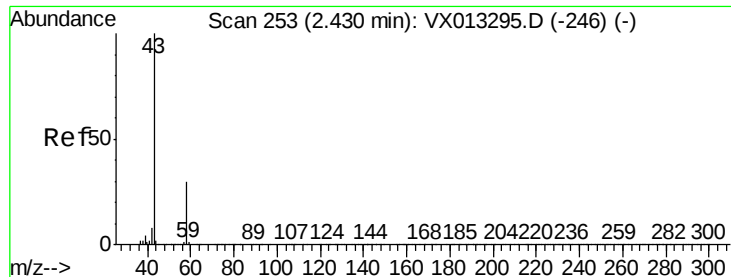
Tgt Ion: 59 Resp: 15375

Ion Ratio Lower Upper

59 100

57 3.2 8.0 12.0#

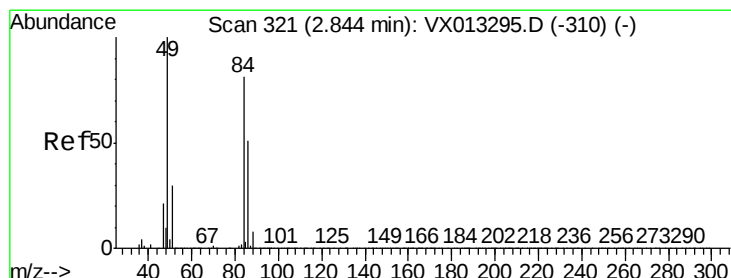
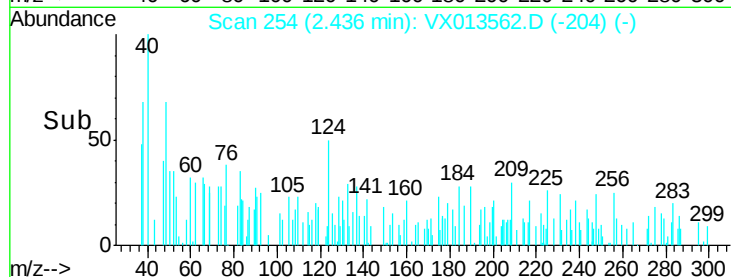
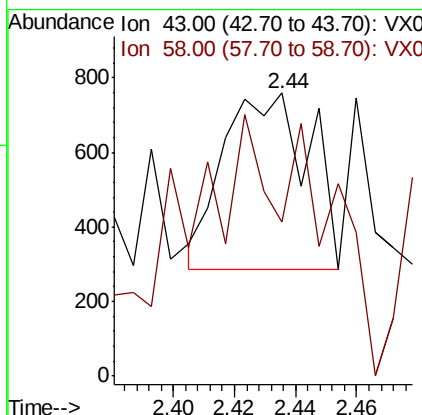
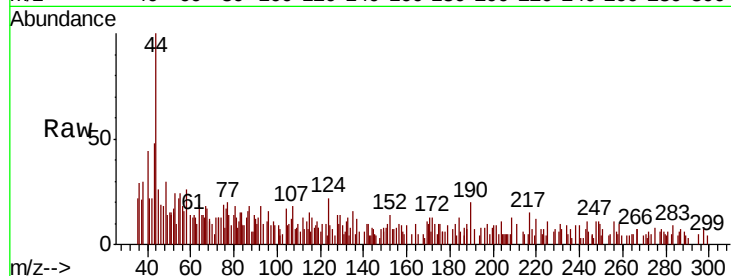




#16
Acetone
Concen: 0.234 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013562.D
Acq: 23 Nov 2019 03:13

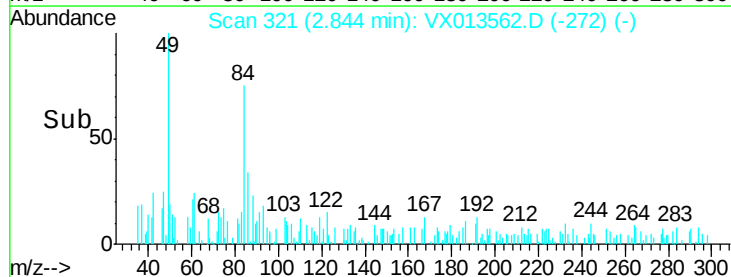
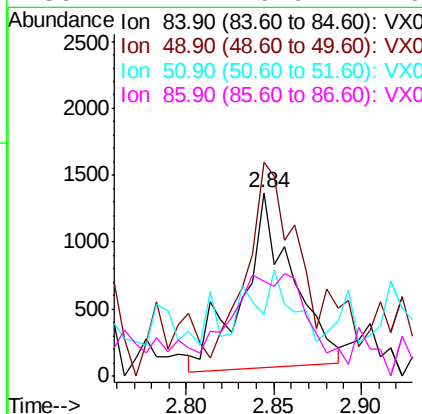
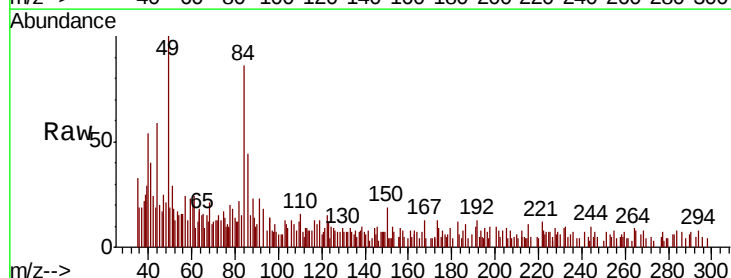
Instrument :
MSVOA_X
ClientSampleId :
91BR-20191120

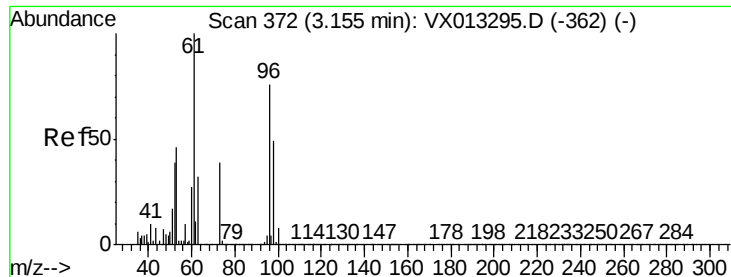
Tot Ion: 43 Resp: 924
Ion Ratio Lower Upper
43 100
58 14.6 24.3 36.5#



#20
Methylene Chloride
Concen: 0.359 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013562.D
Acq: 23 Nov 2019 03:13

Tgt Ion: 84 Resp: 2617
Ion Ratio Lower Upper
84 100
49 92.7 98.2 147.4#
51 10.8 29.9 44.9#
86 41.2 49.9 74.9#





#21

trans-1,2-Dichloroethene

Concen: 0.282 ug/l

RT: 3.17 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX013562.D

Acq: 23 Nov 2019 03:13

Instrument :

MSVOA_X

ClientSampleId :

91BR-20191120

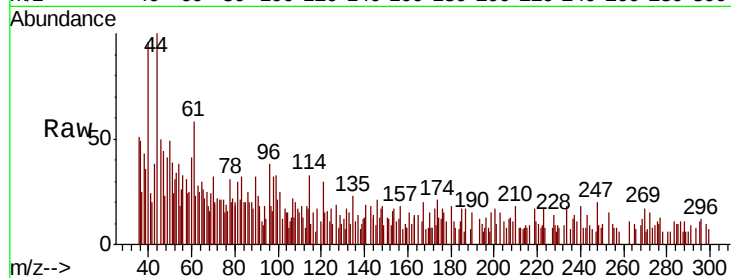
Tot Ion: 96 Resp: 1880

Ion Ratio Lower Upper

96 100

61 51.1 105.8 158.6#

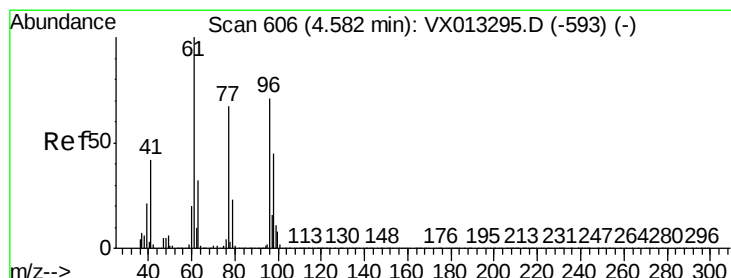
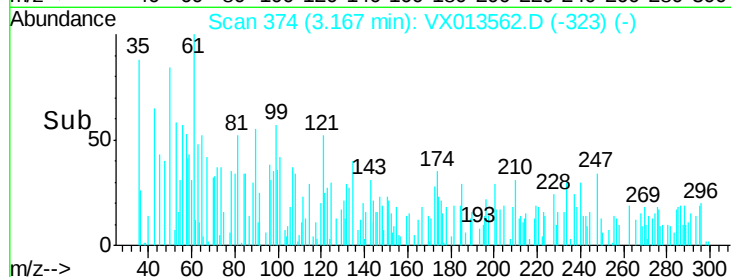
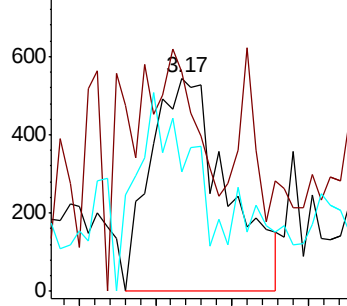
98 28.3 51.8 77.6#



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: 23.082 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013562.D

Acq: 23 Nov 2019 03:13

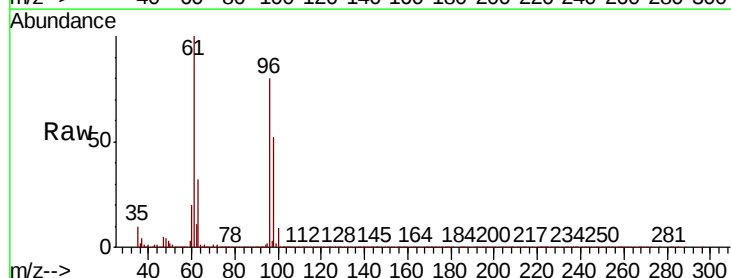
Tgt Ion: 96 Resp: 172489

Ion Ratio Lower Upper

96 100

61 127.3 0.0 288.0

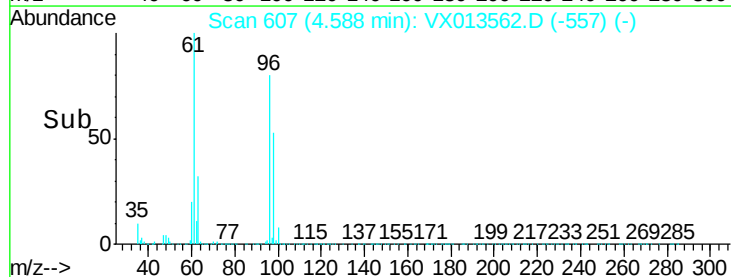
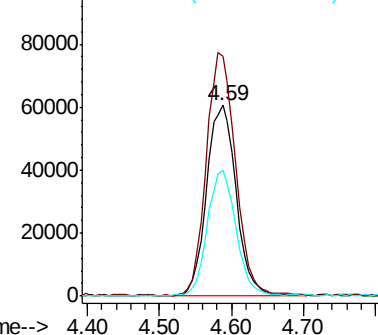
98 64.4 0.0 129.6

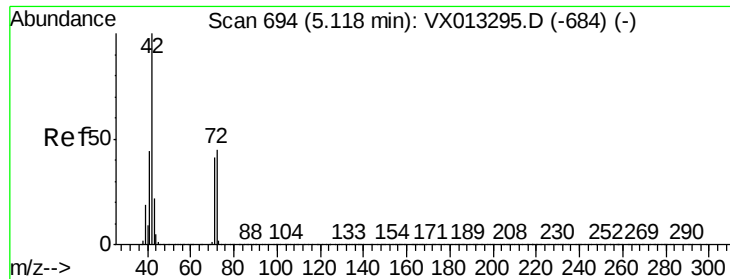


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.01 min

Lab File: VX013562.D

Acq: 23 Nov 2019 03:13

Instrument :

MSVOA_X

ClientSampleId :

91BR-20191120

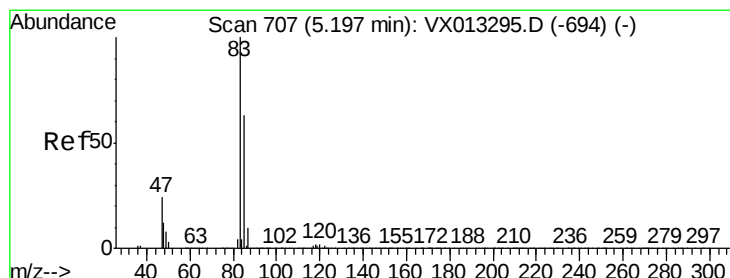
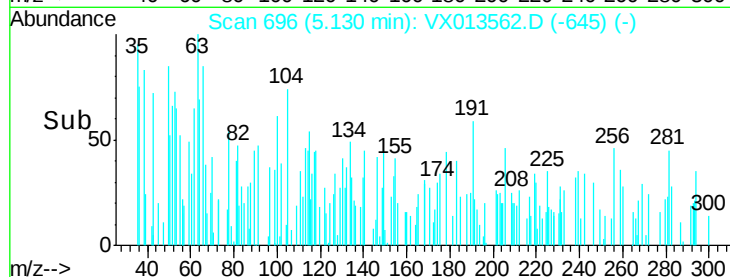
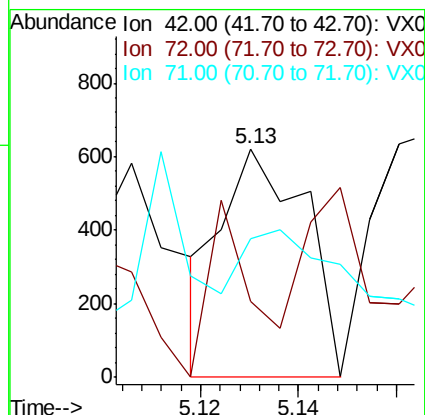
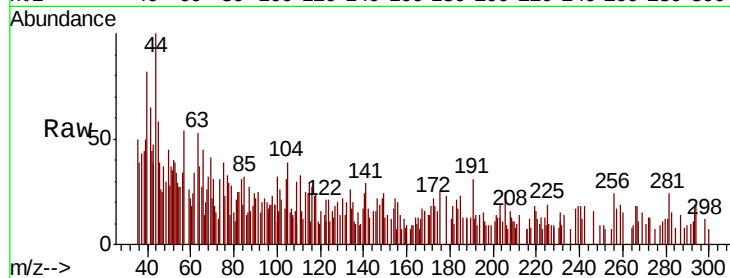
Tot Ion: 42 Resp: 734

Ion Ratio Lower Upper

42 100

72 40.9 35.8 53.8

71 37.1 33.4 50.0



#30

Chloroform

Concen: 0.391 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013562.D

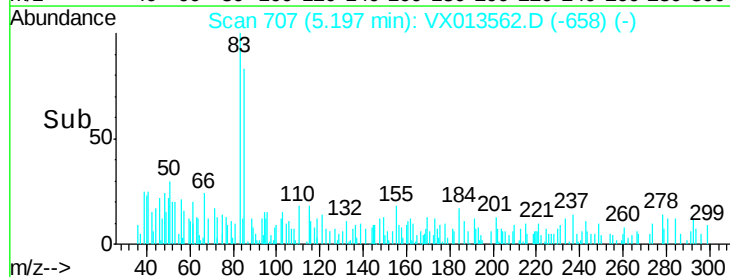
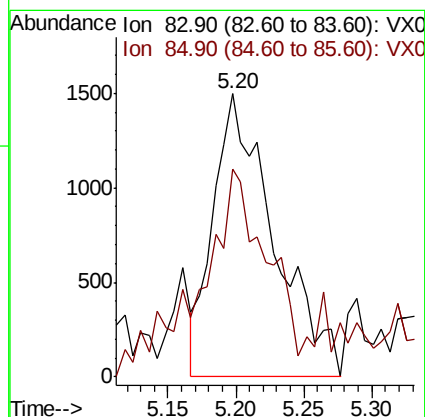
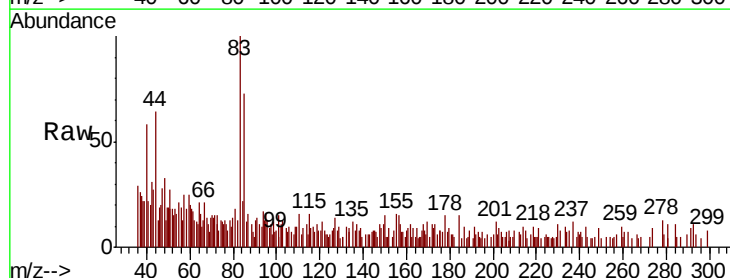
Acq: 23 Nov 2019 03:13

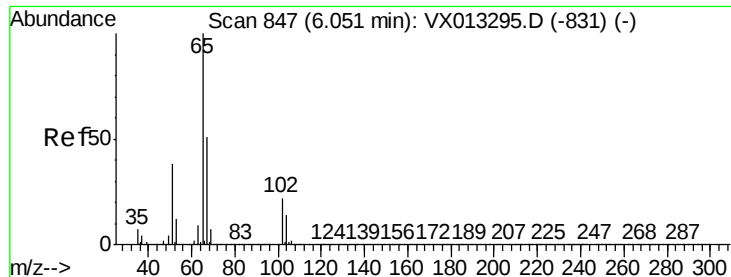
Tgt Ion: 83 Resp: 4646

Ion Ratio Lower Upper

83 100

85 58.9 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 49.594 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013562.D

Acq: 23 Nov 2019 03:13

Instrument :

MSVOA_X

ClientSampleId :

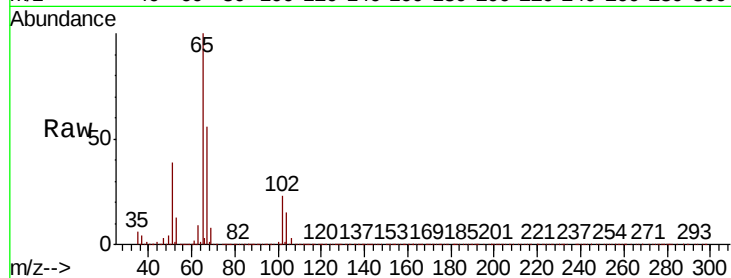
91BR-20191120

Tot Ion: 65 Resp: 392443

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

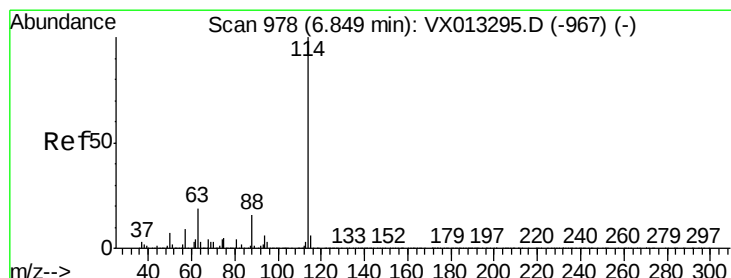
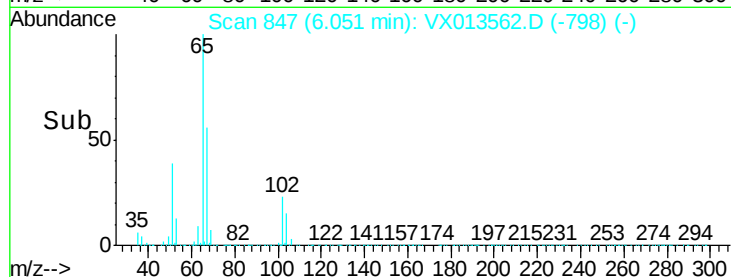
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013562.D

Acq: 23 Nov 2019 03:13

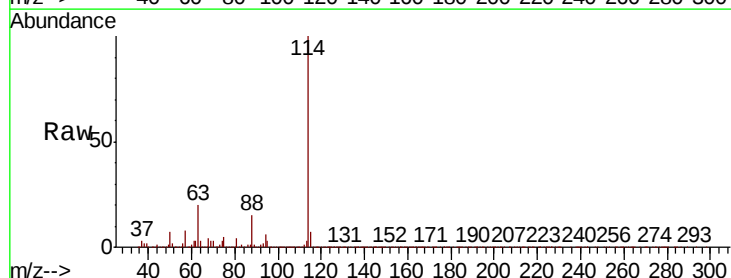
Tgt Ion: 114 Resp: 1075771

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.4

88 15.1 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

600000

500000

400000

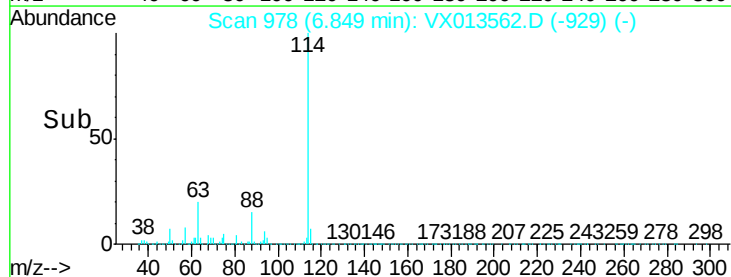
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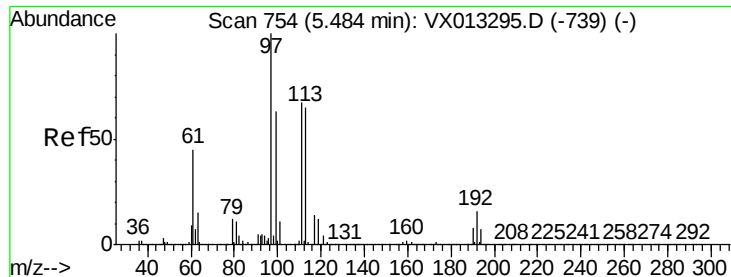
200000

100000

0

Time-->

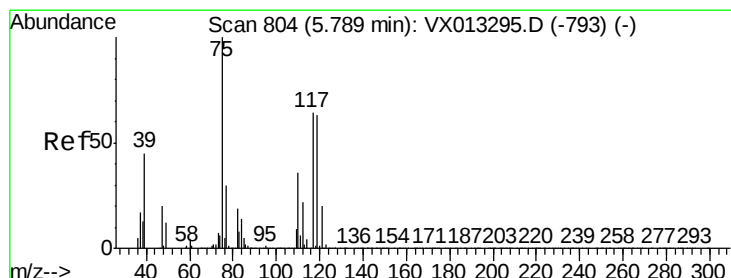
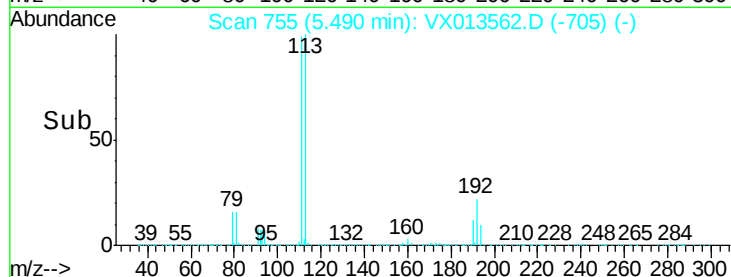
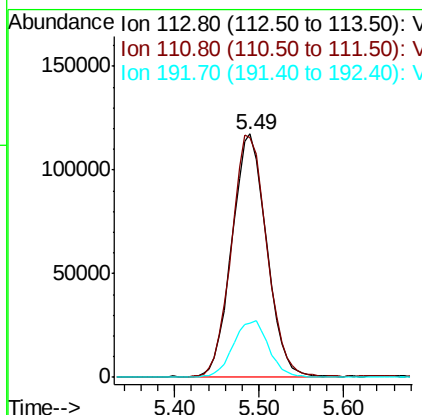
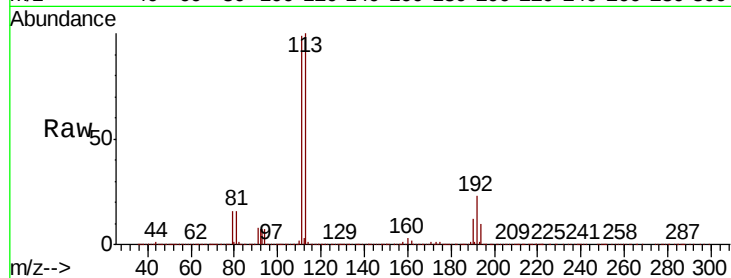




#35
Dibromofluoromethane
Concen: 48.268 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013562.D
Acq: 23 Nov 2019 03:13

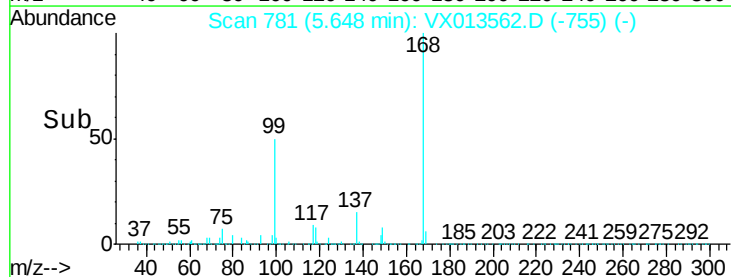
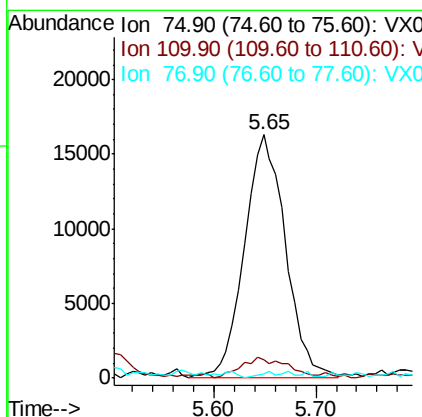
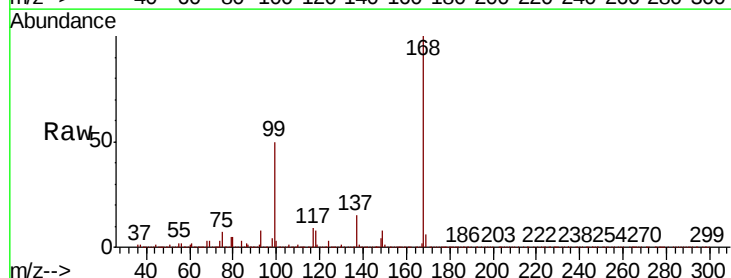
Instrument :
MSVOA_X
ClientSampleId :
91BR-20191120

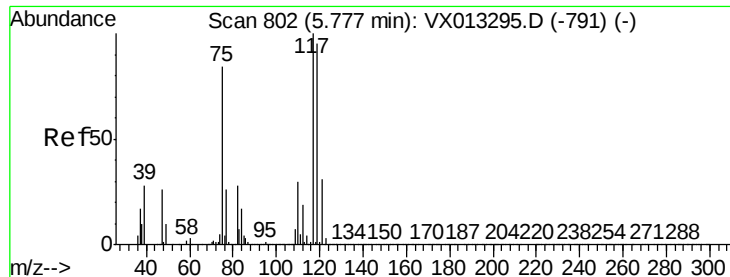
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.9	122.9
192	23.9	19.1	28.7



#36
1,1-Dichloropropene
Concen: 4.961 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX013562.D
Acq: 23 Nov 2019 03:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.1#
77	1.3	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.497 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013562.D

Acq: 23 Nov 2019 03:13

Instrument :

MSVOA_X

ClientSampleId :

91BR-20191120

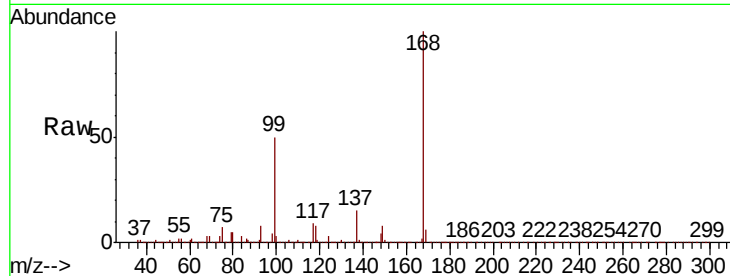
Tot Ion:117 Resp: 58633

Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

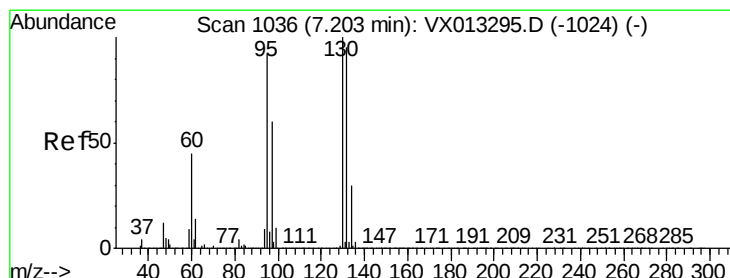
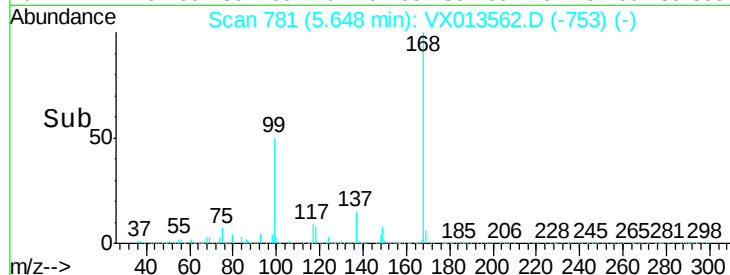
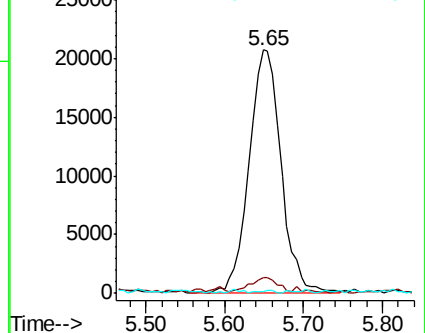
121 0.0 24.6 37.0#



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: 1.862 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013562.D

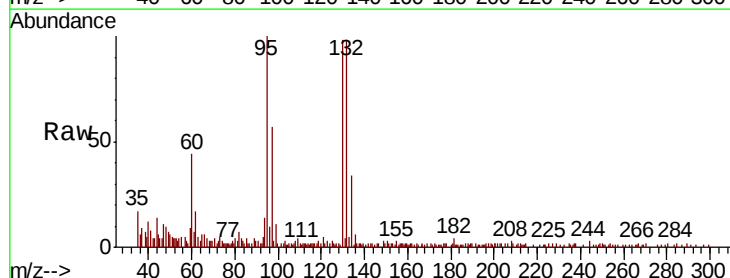
Acq: 23 Nov 2019 03:13

Tgt Ion:130 Resp: 14731

Ion Ratio Lower Upper

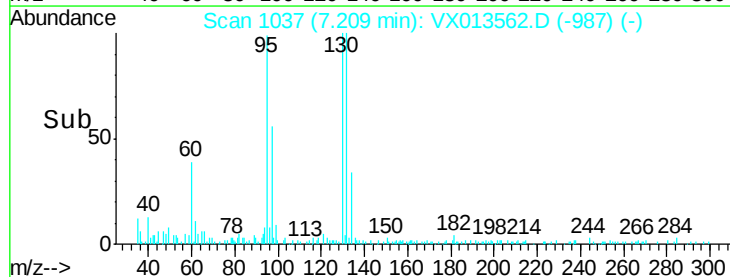
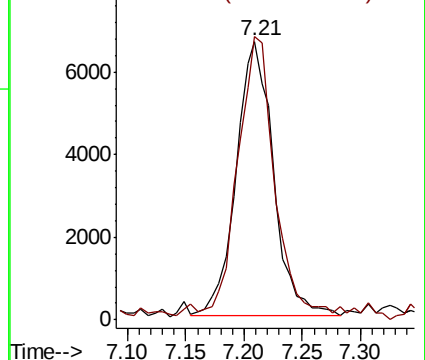
130 100

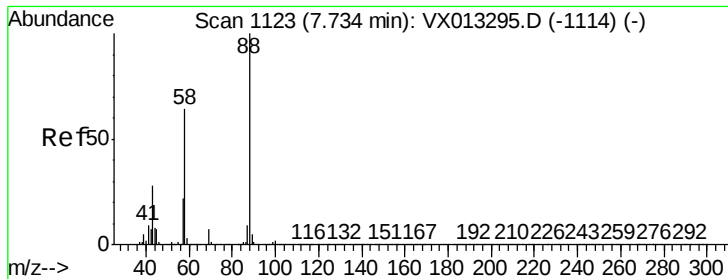
95 98.5 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 0.852 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX013562.D

Acq: 23 Nov 2019 03:13

Instrument :

MSVOA_X

ClientSampleId :

91BR-20191120

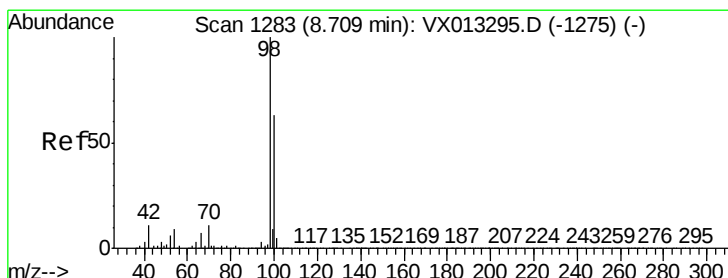
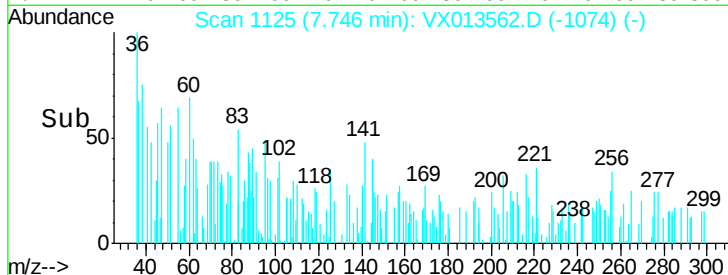
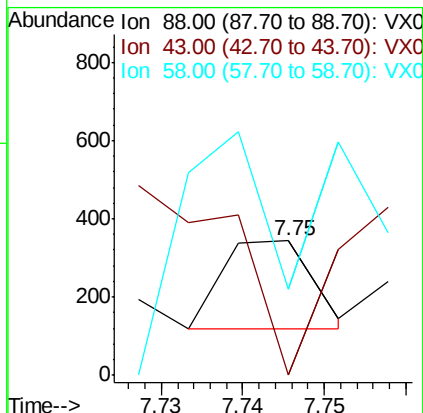
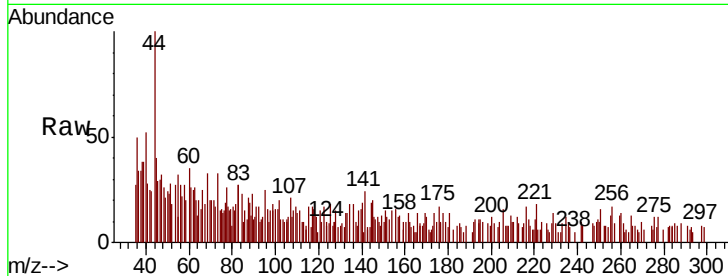
Tot Ion: 88 Resp: 173

Ion Ratio Lower Upper

88 100

43 346.8 26.6 39.8#

58 287.3 55.0 82.6#



#50

Toluene-d8

Concen: 50.443 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013562.D

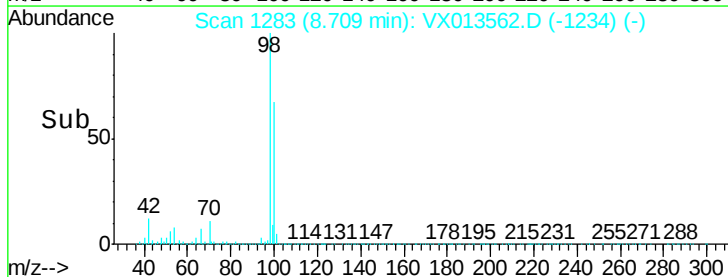
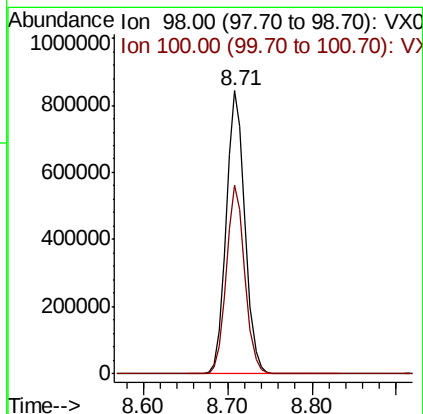
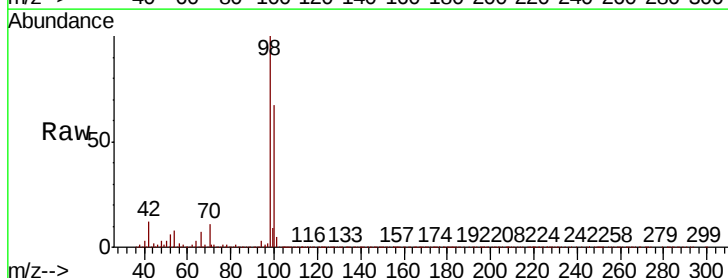
Acq: 23 Nov 2019 03:13

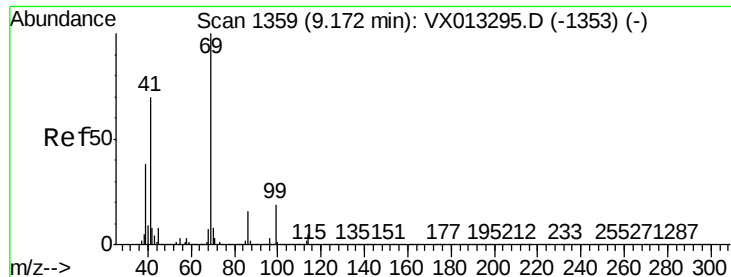
Tgt Ion: 98 Resp: 1283117

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.574 ug/l

RT: 9.15 min Scan# 1355

Delta R.T. -0.02 min

Lab File: VX013562.D

Acq: 23 Nov 2019 03:13

Instrument :

MSVOA_X

ClientSampleId :

91BR-20191120

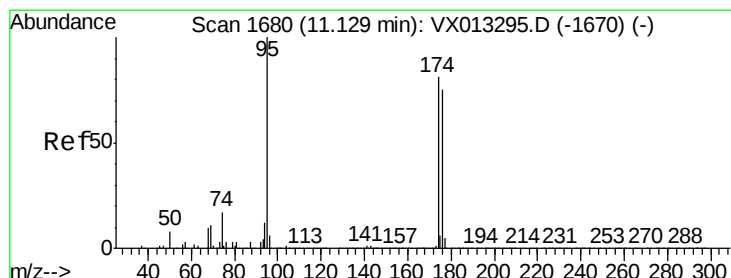
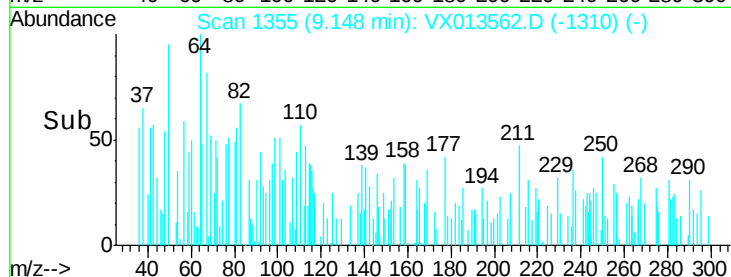
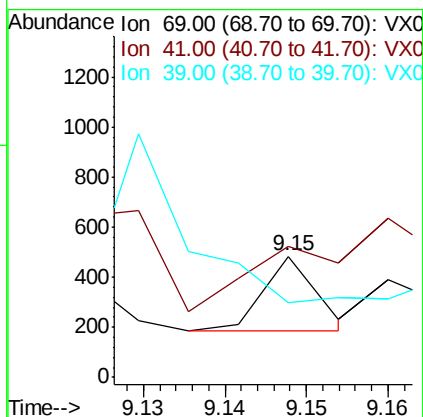
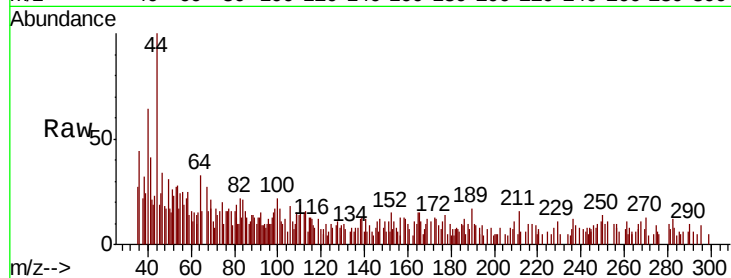
Tot Ion: 69 Resp: 138

Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.2#

39 0.0 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 46.886 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013562.D

Acq: 23 Nov 2019 03:13

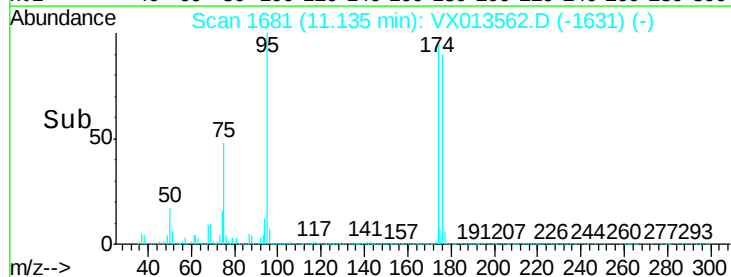
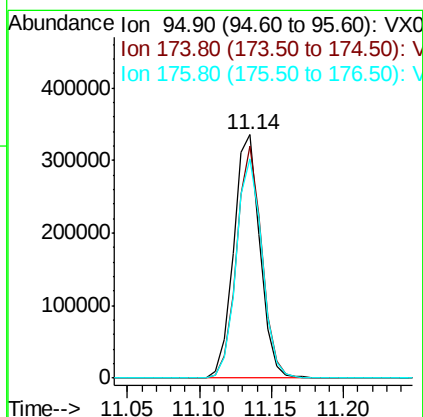
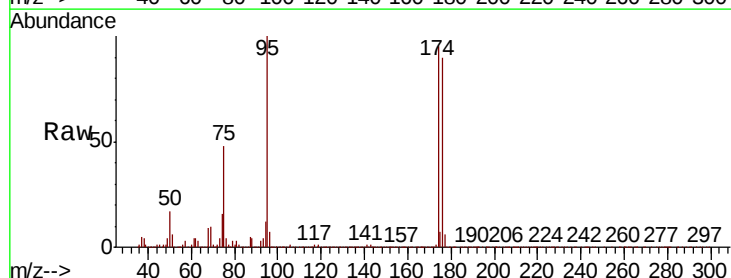
Tgt Ion: 95 Resp: 430431

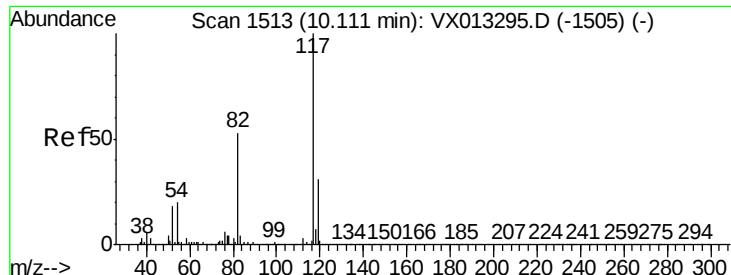
Ion Ratio Lower Upper

95 100

174 91.1 0.0 179.8

176 88.5 0.0 173.0

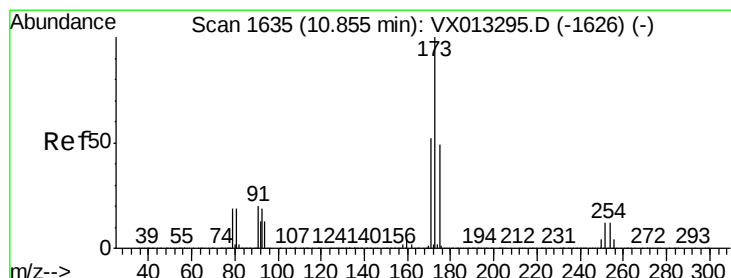
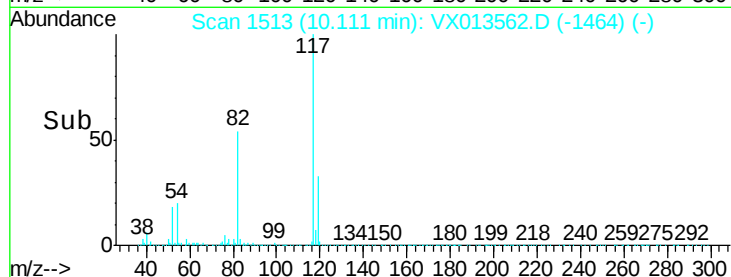
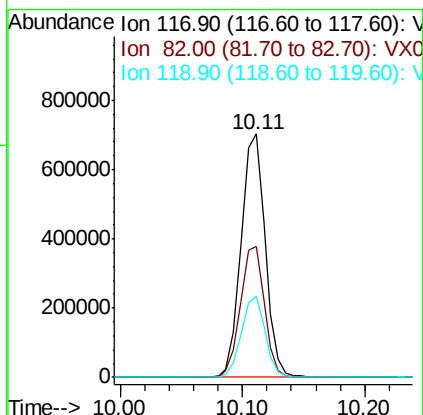
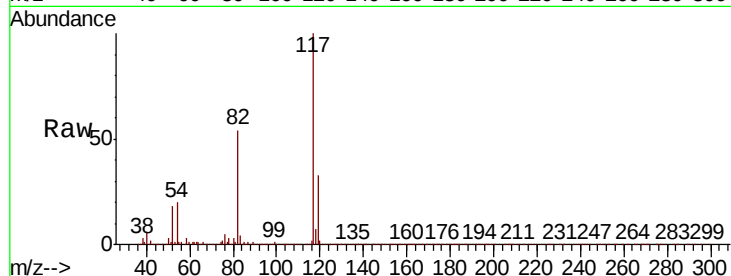




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013562.D
Acq: 23 Nov 2019 03:13

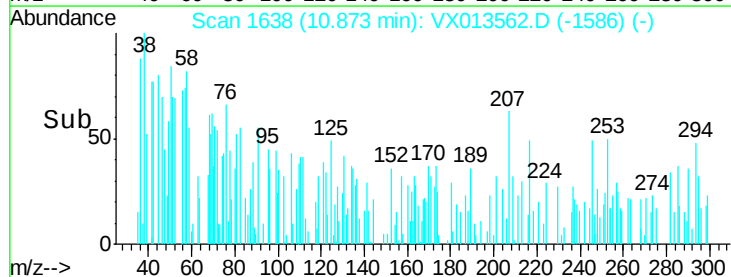
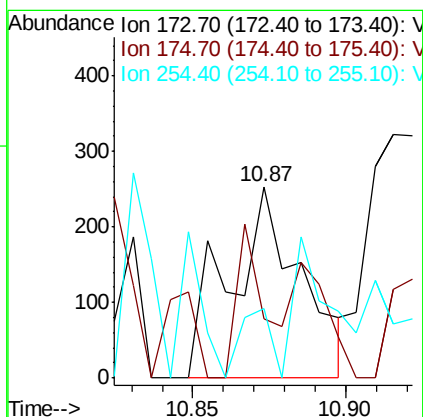
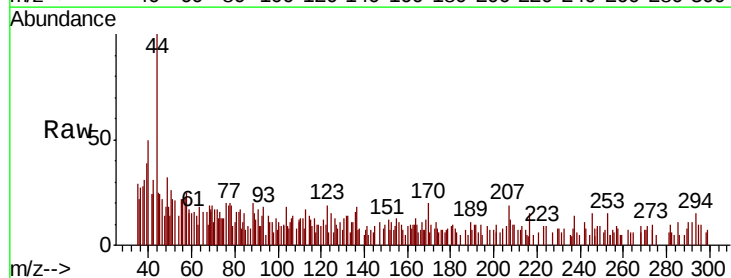
Instrument :
MSVOA_X
ClientSampleId :
91BR-20191120

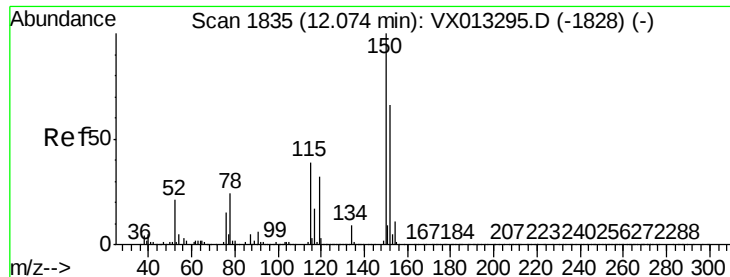
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.6	64.0
119	33.0	24.8	37.2



#71
Bromoform
Concen: 3.261 ug/l
RT: 10.87 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VX013562.D
Acq: 23 Nov 2019 03:13

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.8	74.4#
254	54.4	0.2	0.2#



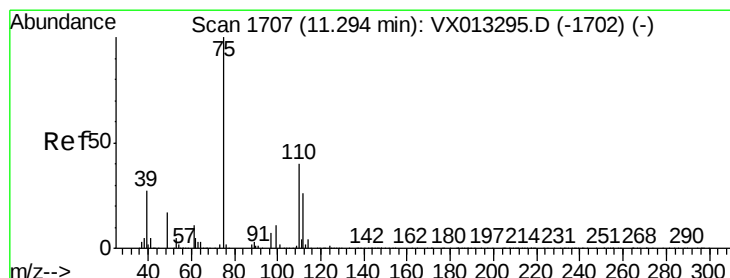
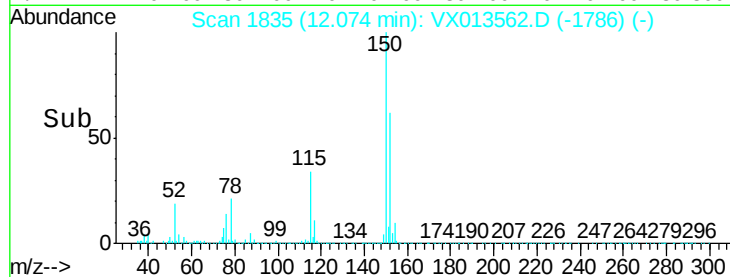
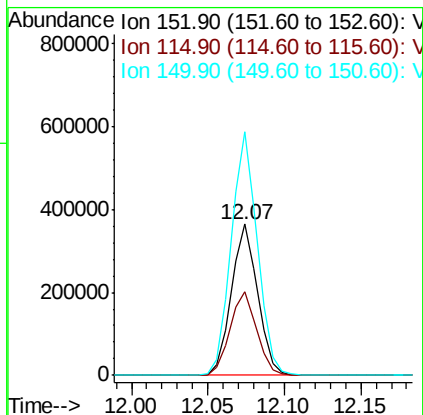
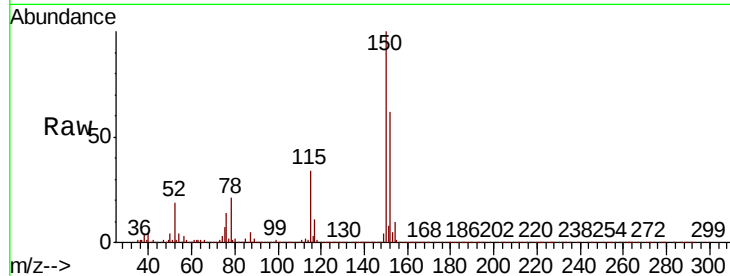


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013562.D
Acq: 23 Nov 2019 03:13

Instrument :
MSVOA_X
ClientSampleId :
91BR-20191120

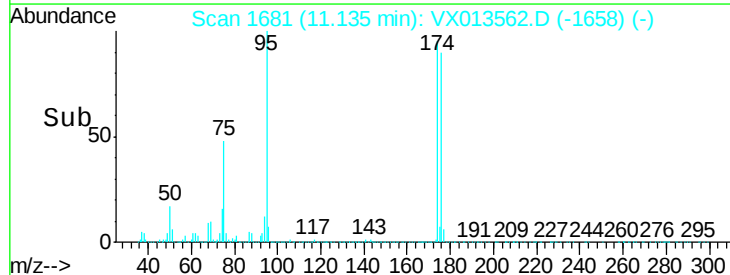
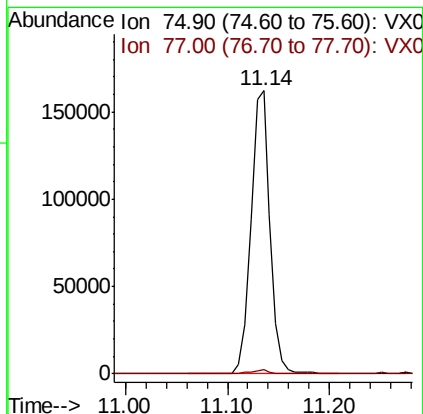
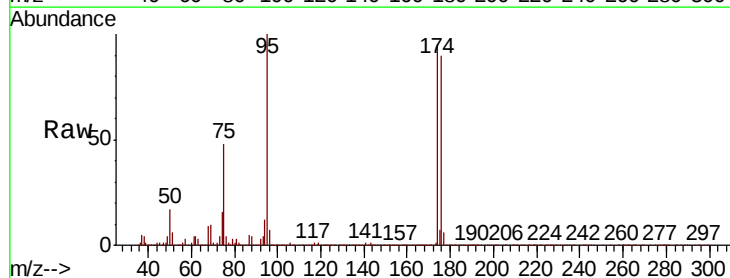
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.9	39.5	118.3
150	159.6	0.0	344.4

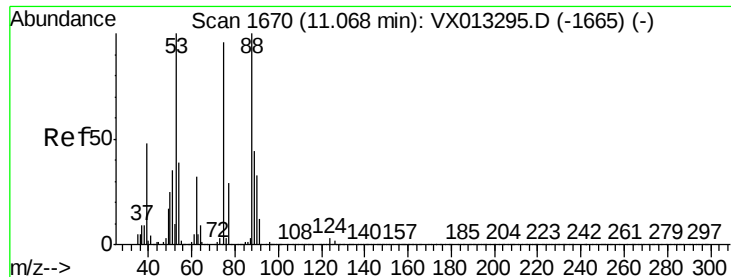


#76

1,2,3-Trichloropropane
Concen: 24.026 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX013562.D
Acq: 23 Nov 2019 03:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	22.3	66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 61.841 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013562.D

Acq: 23 Nov 2019 03:13

Instrument :

MSVOA_X

ClientSampleId :

91BR-20191120

Tot Ion: 75 Resp: 211565

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.2 36.0 54.0#

