

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013485.D
 Acq On : 20 Nov 2019 18:18
 Operator : JC/SP
 Sample : K5957-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 21 00:51:12 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	721397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1155821	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1031828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	450393	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	420687	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
35) Dibromofluoromethane	5.49	113	351586	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	8.71	98	1367781	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.14	95	458518	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	

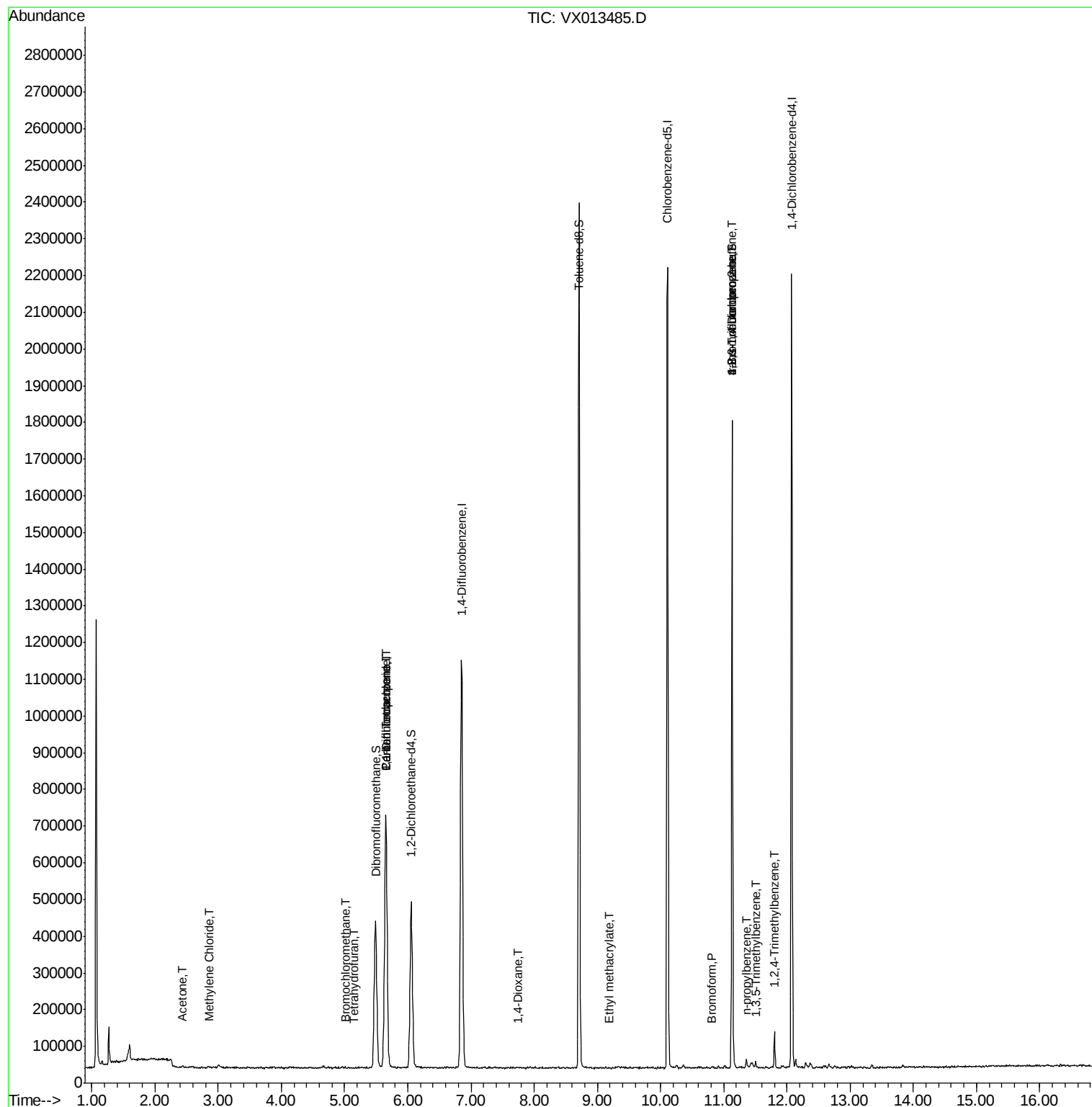
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.66	64	775	Below Cal	#	64
16) Acetone	2.44	43	3577	0.839	ug/l	93
20) Methylene Chloride	2.84	84	2351	0.298	ug/l #	63
28) Bromochloromethane	5.01	49	1682	0.456	ug/l #	25
29) Tetrahydrofuran	5.14	42	1082	0.281	ug/l #	86
36) 1,1-Dichloropropene	5.65	75	49302	4.972	ug/l #	53
38) Carbon Tetrachloride	5.65	117	63489	6.548	ug/l #	16
49) 1,4-Dioxane	7.74	88	342	1.568	ug/l #	84
56) Ethyl methacrylate	9.18	69	149	1.574	ug/l #	1
71) Bromoform	10.80	173	262	3.237	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	223162	24.394	ug/l #	34
78) n-propylbenzene	11.35	91	15182	0.456	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	8567	0.344	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.14	75	223162	62.791	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	45191	1.811	ug/l	99

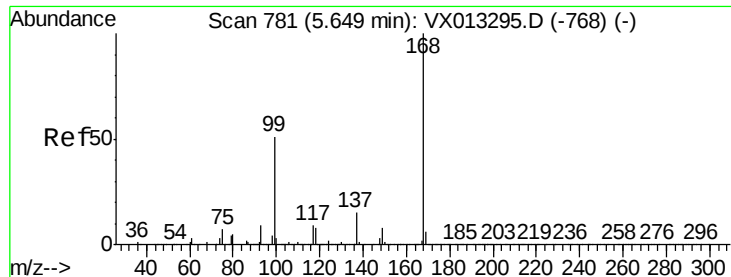
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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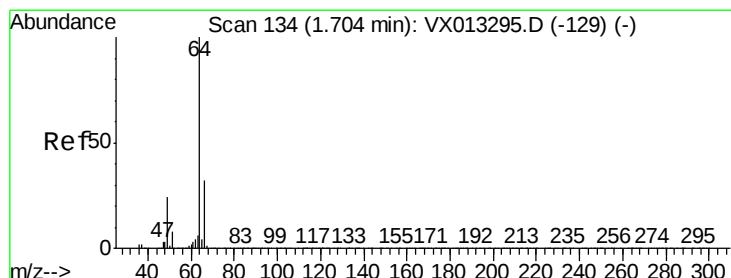
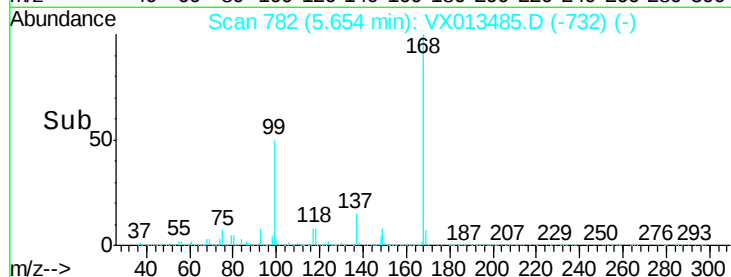
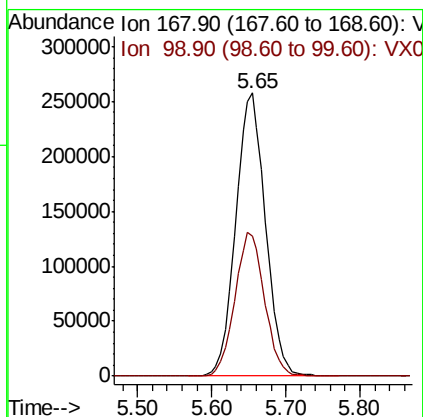
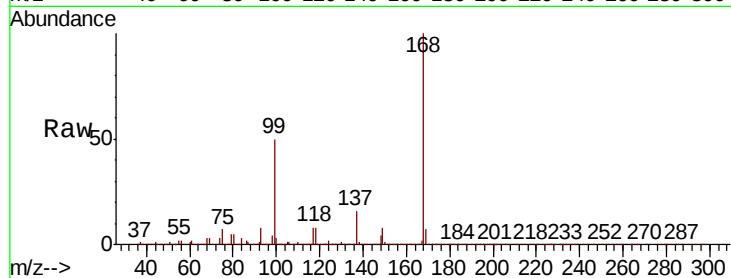


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX013485.D
 Acq: 20 Nov 2019 18:18

Instrument :
 MSVOA_X
 ClientSampled :

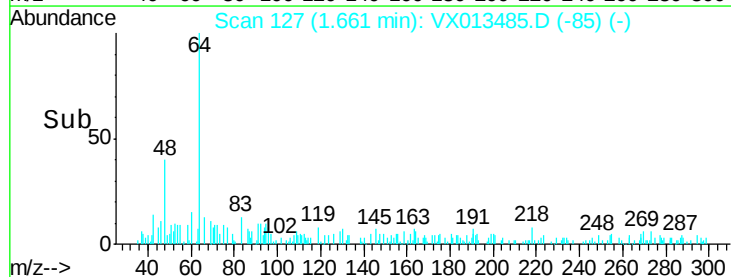
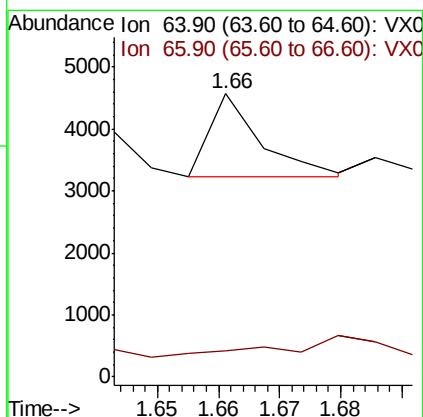
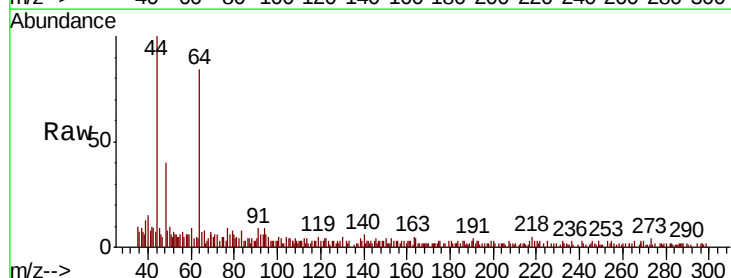
Tot Ion	Ratio	Lower	Upper
168	100		
99	49.5	40.8	61.2

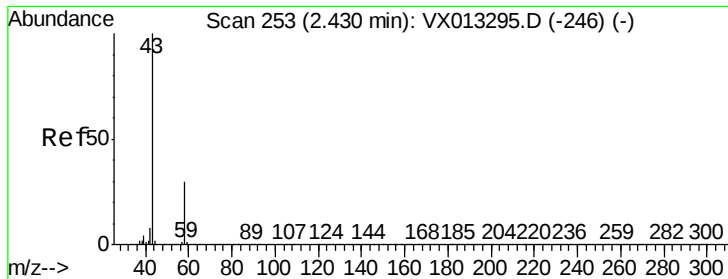


#6

Chloroethane
 Concen: Below Cal
 RT: 1.66 min Scan# 127
 Delta R.T. -0.04 min
 Lab File: VX013485.D
 Acq: 20 Nov 2019 18:18

Tgt Ion	Ratio	Lower	Upper
64	100		
66	11.8	25.6	38.4#





#16

Acetone

Concen: 0.839 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

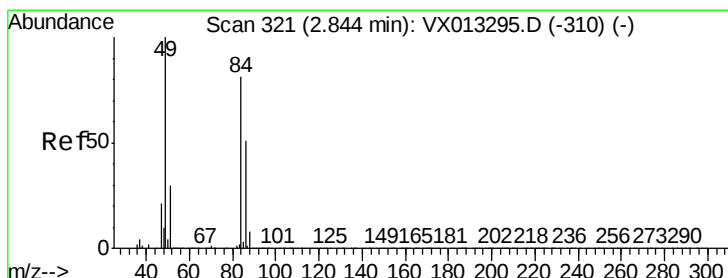
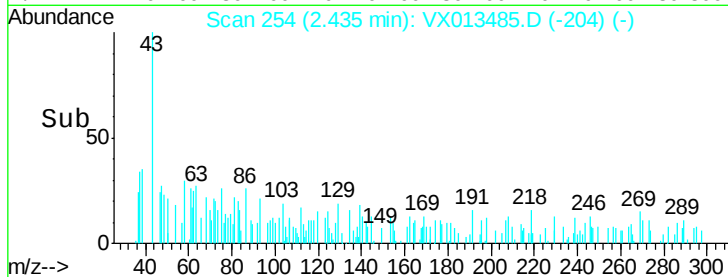
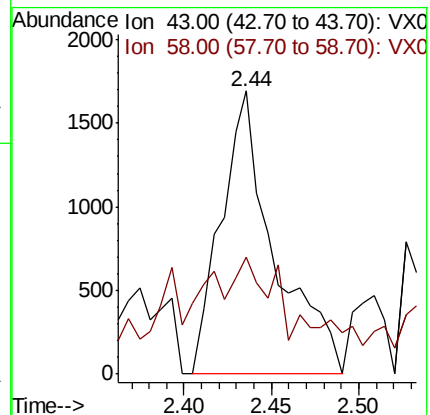
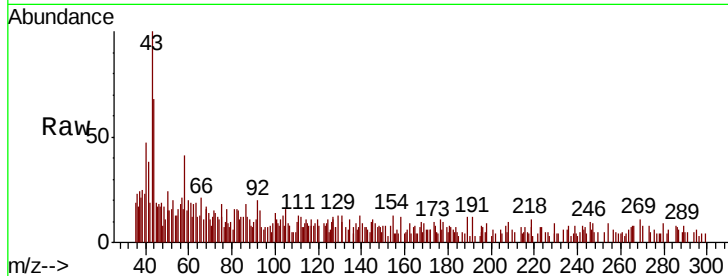
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 3577

Ion Ratio Lower Upper

43 100

58 26.5 24.3 36.5



#20

Methylene Chloride

Concen: 0.298 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

Tgt Ion: 84 Resp: 2351

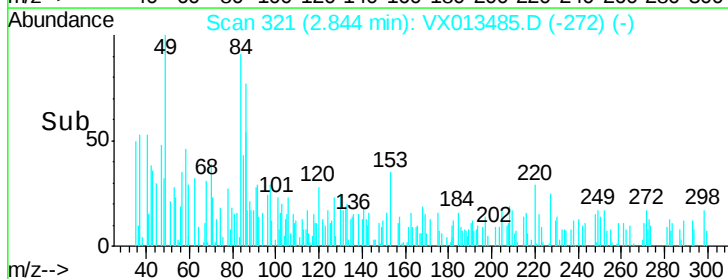
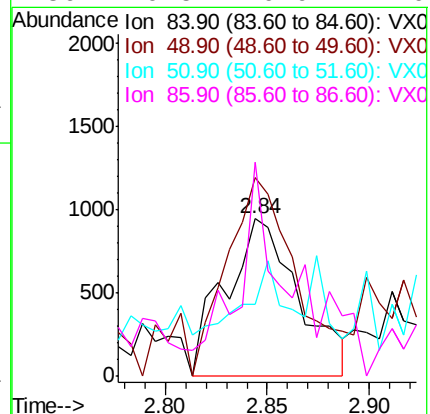
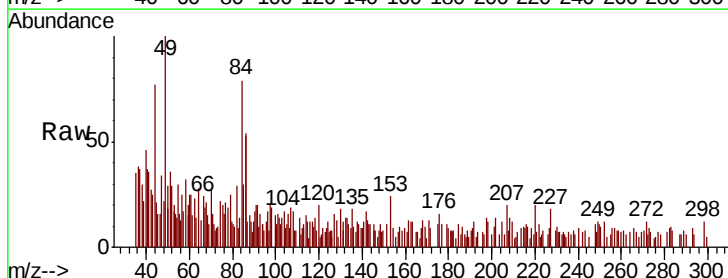
Ion Ratio Lower Upper

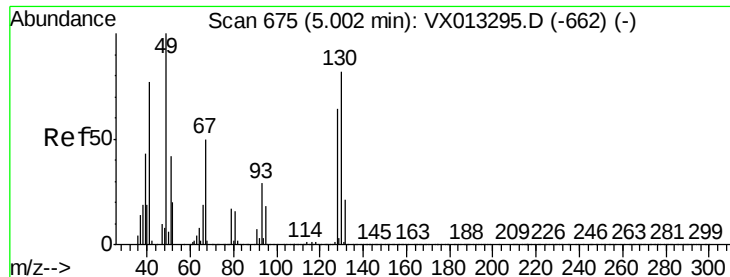
84 100

49 99.0 98.2 147.4

51 22.5 29.9 44.9#

86 119.5 49.9 74.9#





#28

Bromochloromethane

Concen: 0.456 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 49 Resp: 1682

Ion Ratio Lower Upper

49 100

129 4.9

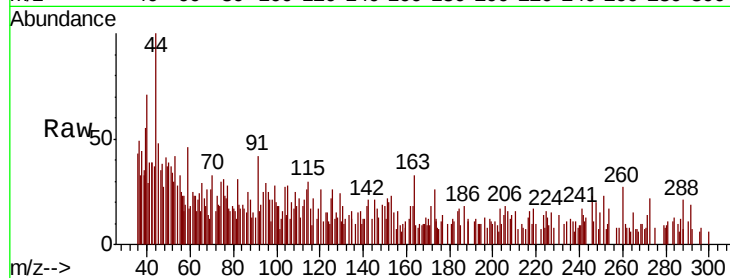
0.0

5.2

130 11.4

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

800

600

400

200

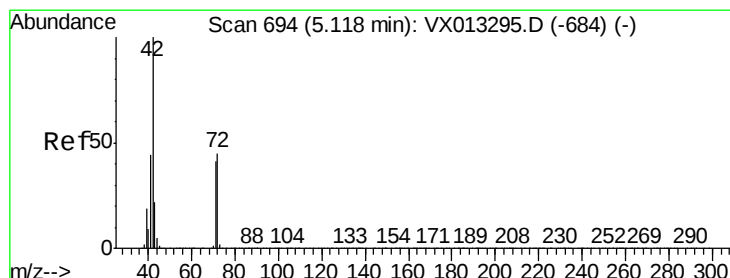
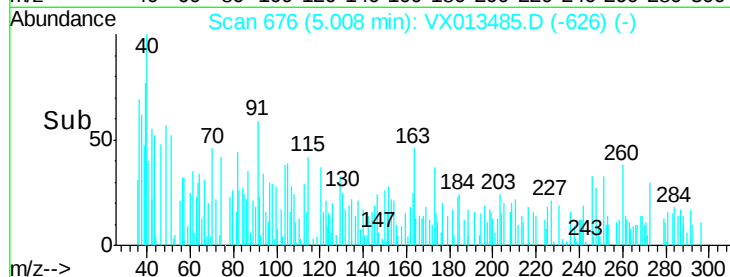
0

4.95

5.00

5.05

Time-->



#29

Tetrahydrofuran

Concen: 0.281 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

Tgt Ion: 42 Resp: 1082

Ion Ratio Lower Upper

42 100

72 27.3

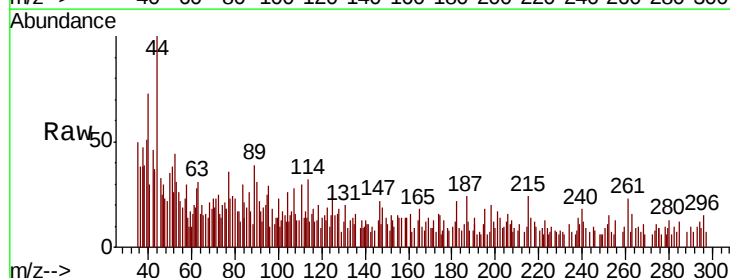
35.8

53.8#

71 42.1

33.4

50.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

1000

800

600

400

200

0

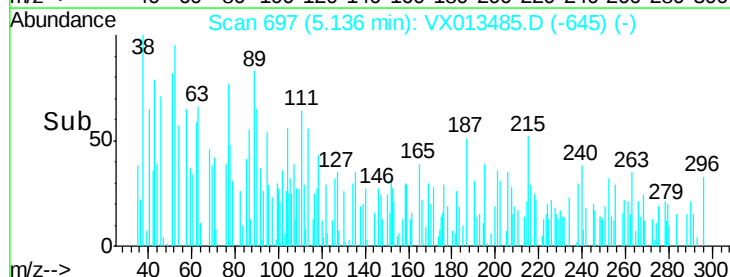
5.10

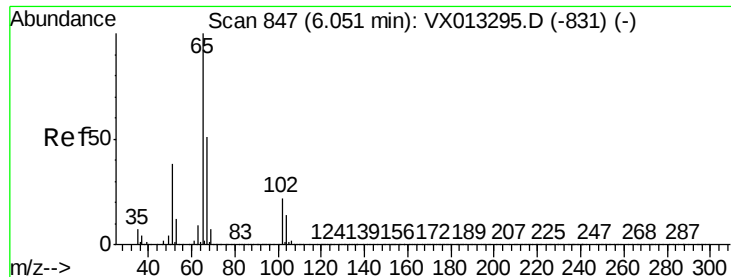
5.12

5.14

5.16

Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.224 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

Instrument :

MSVOA_X

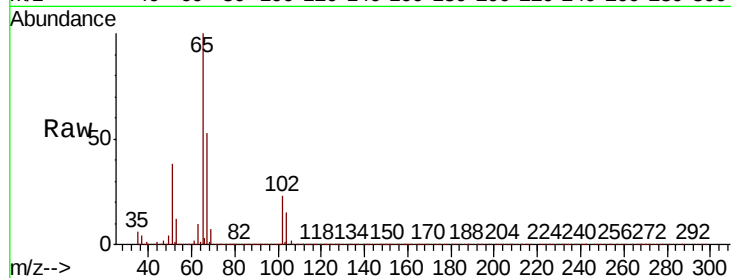
ClientSampleId :

Tot Ion: 65 Resp: 420687

Ion Ratio Lower Upper

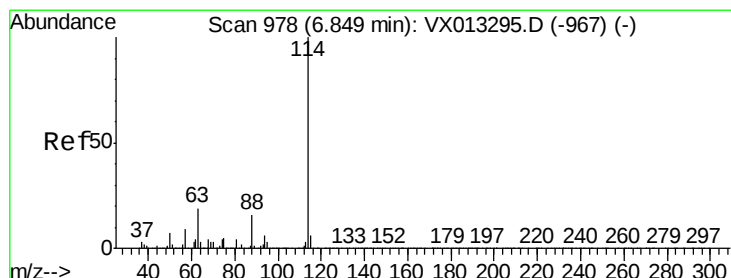
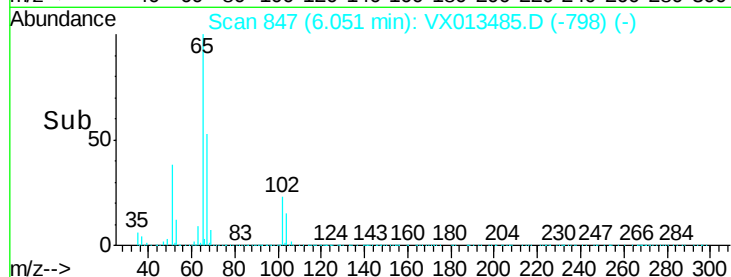
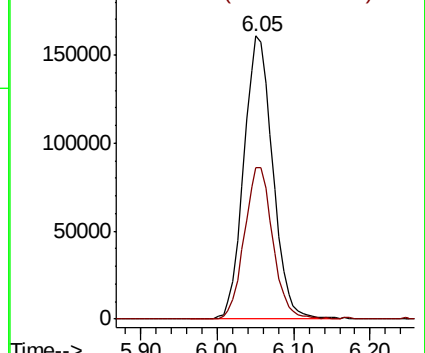
65 100

67 52.4 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: VX013485.D

Acq: 20 Nov 2019 18:18

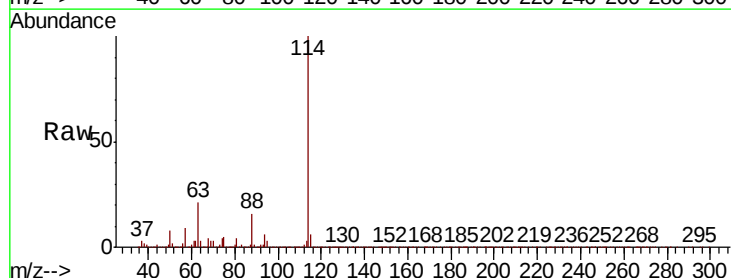
Tgt Ion: 114 Resp: 1155821

Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.4

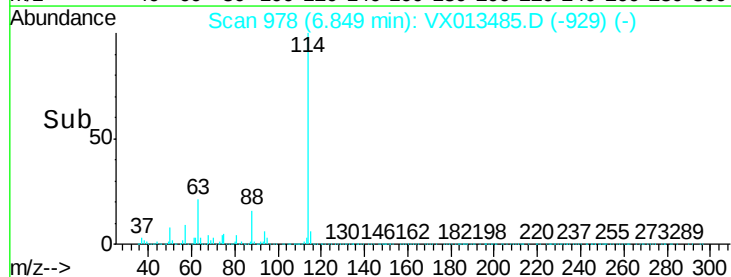
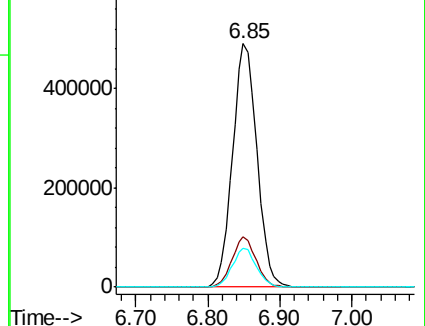
88 15.8 0.0 32.2

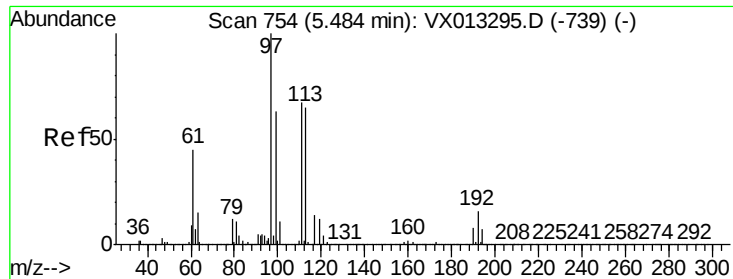


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

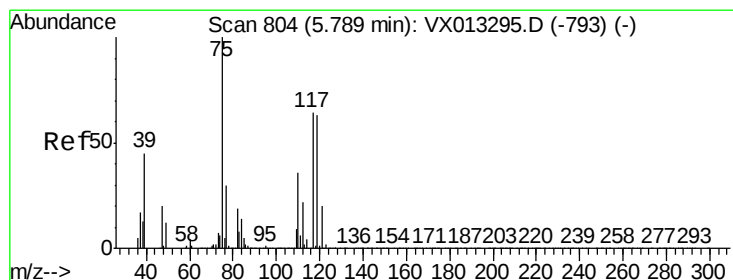
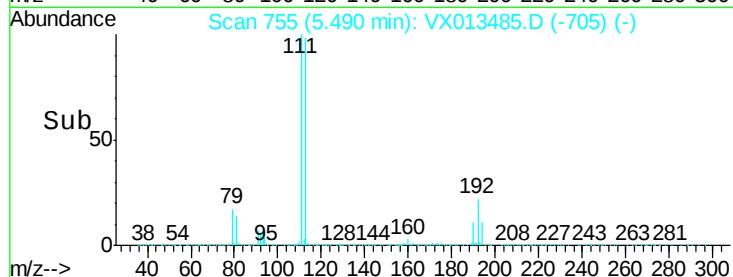
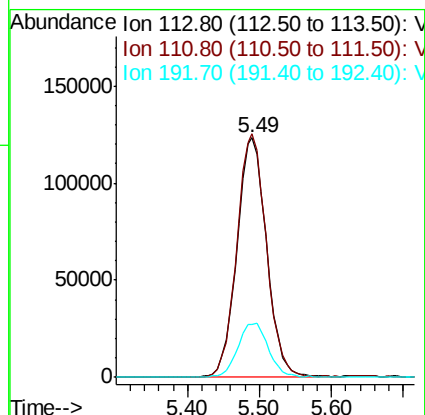
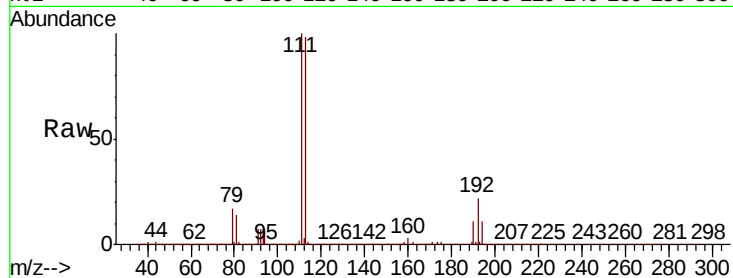




#35
 Dibromofluoromethane
 Concen: 48.498 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013485.D
 Acq: 20 Nov 2019 18:18

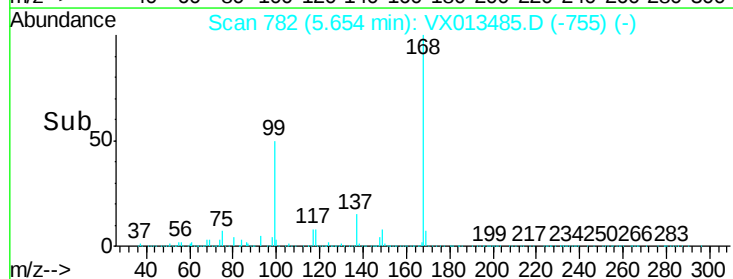
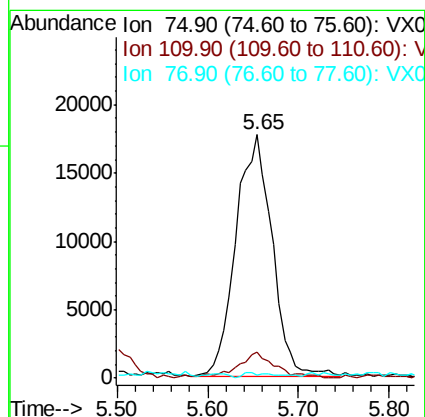
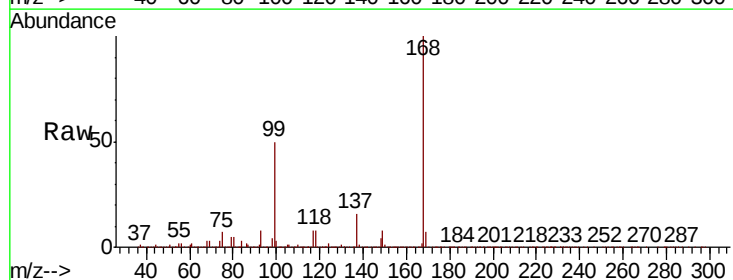
Instrument :
 MSVOA_X
 ClientSampleId :

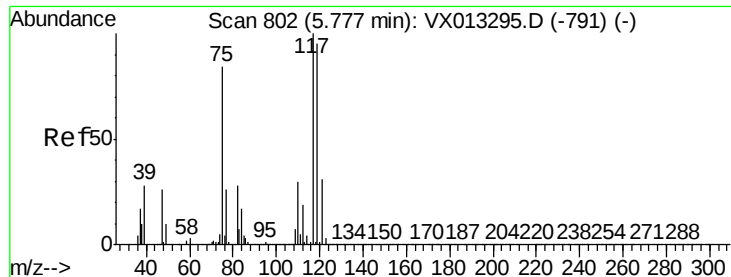
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.9	122.9
192	23.4	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.972 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013485.D
 Acq: 20 Nov 2019 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	18.1	54.1#
77	1.9	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.548 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

Instrument :

MSVOA_X

ClientSampled :

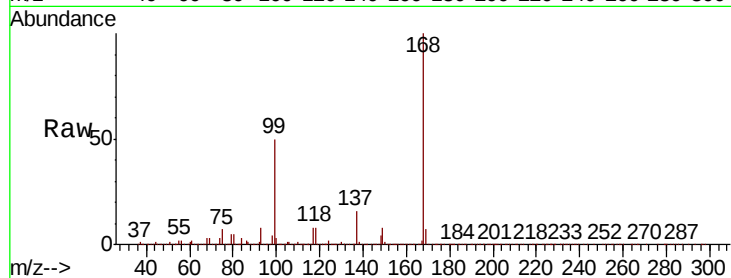
Tot Ion:117 Resp: 63489

Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

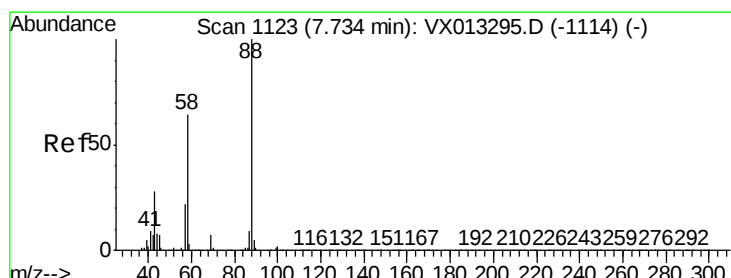
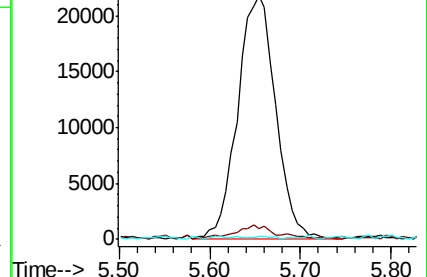
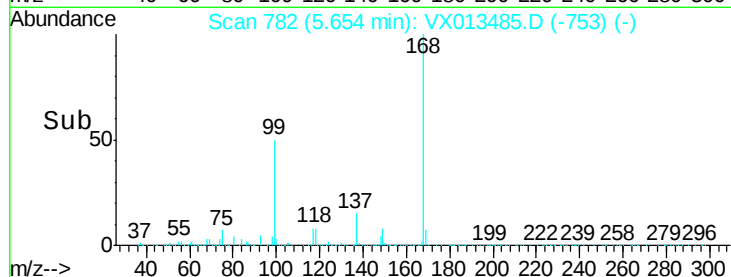
121 0.1 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 1.568 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

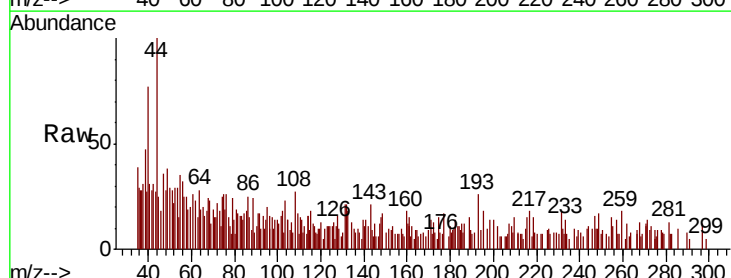
Tgt Ion: 88 Resp: 342

Ion Ratio Lower Upper

88 100

43 49.1 26.6 39.8#

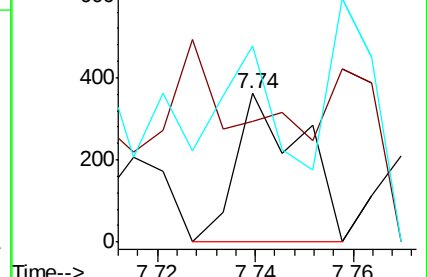
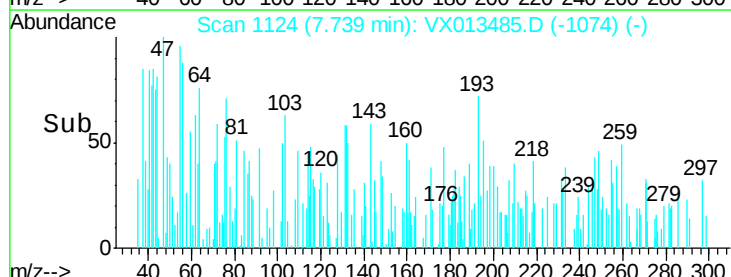
58 60.5 55.0 82.6

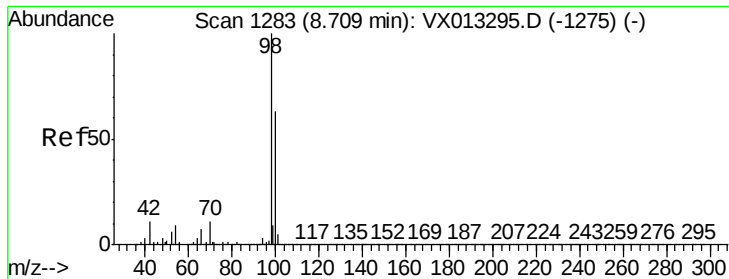


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.047 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

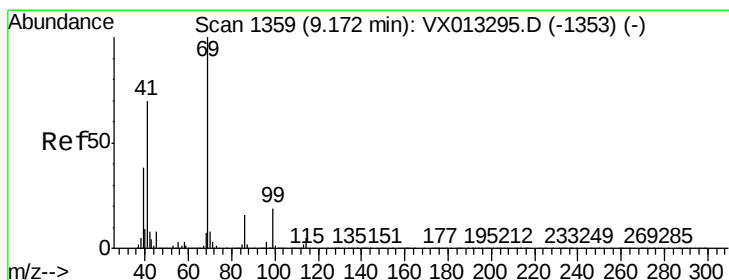
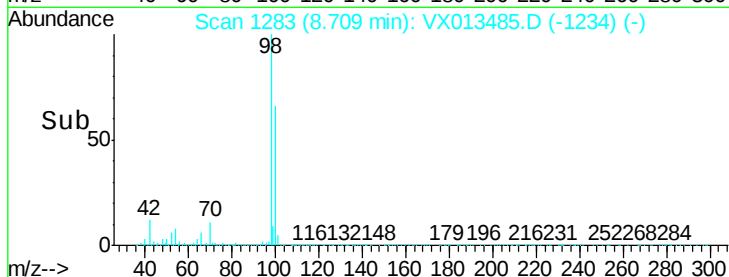
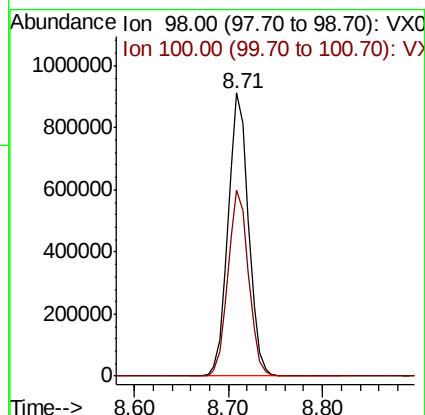
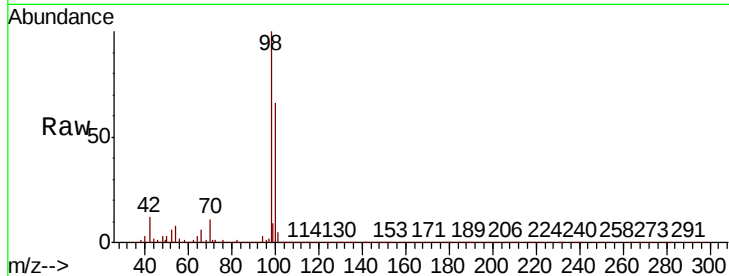
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 98 Resp: 1367781

Ion Ratio Lower Upper

98 100

100 66.2 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: VX013485.D

Acq: 20 Nov 2019 18:18

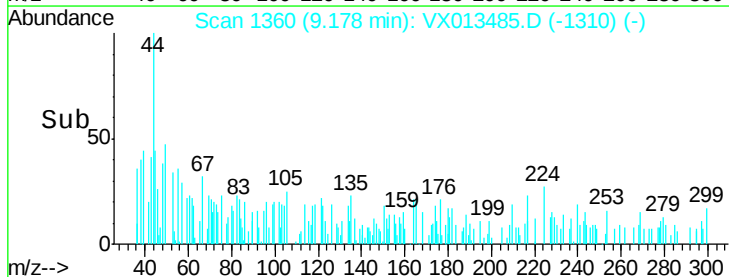
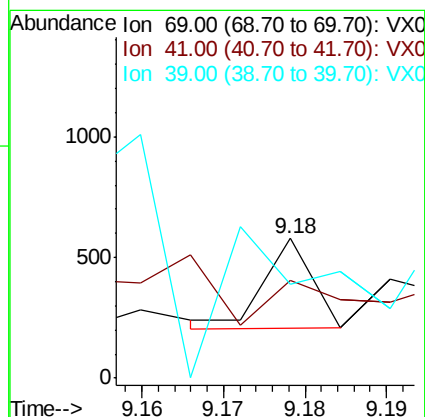
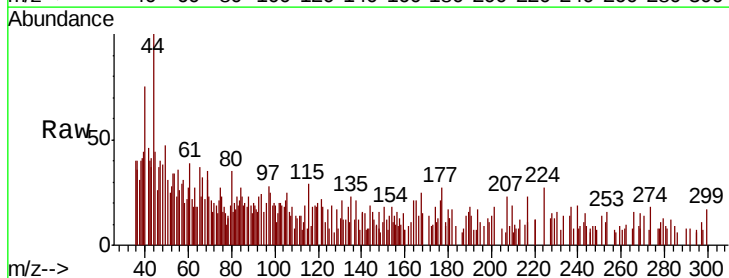
Tgt Ion: 69 Resp: 149

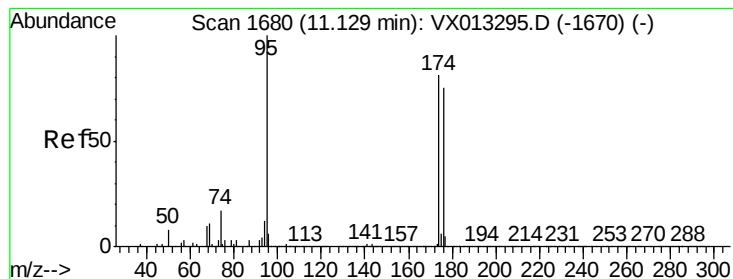
Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.2#

39 456.4 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 46.487 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

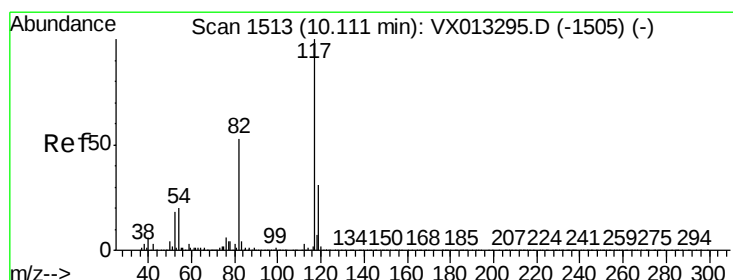
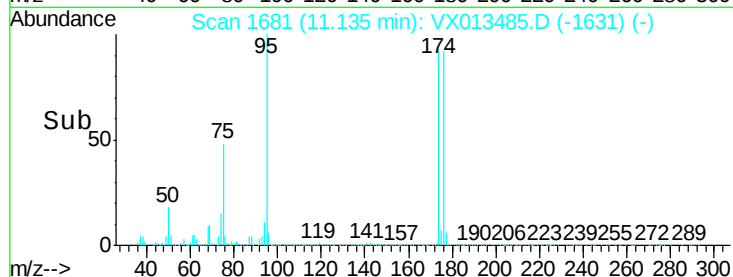
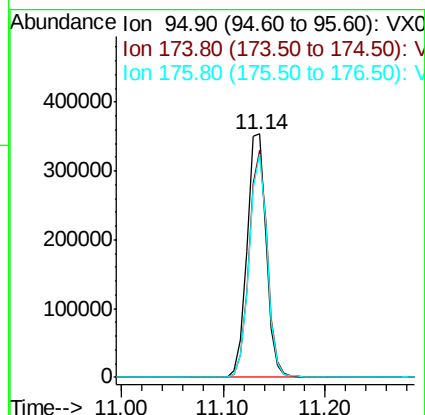
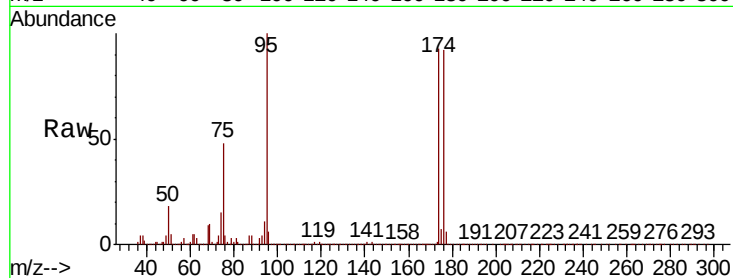
Tot Ion: 95 Resp: 458518

Ion Ratio Lower Upper

95 100

174 89.3 0.0 179.8

176 87.5 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: VX013485.D

Acq: 20 Nov 2019 18:18

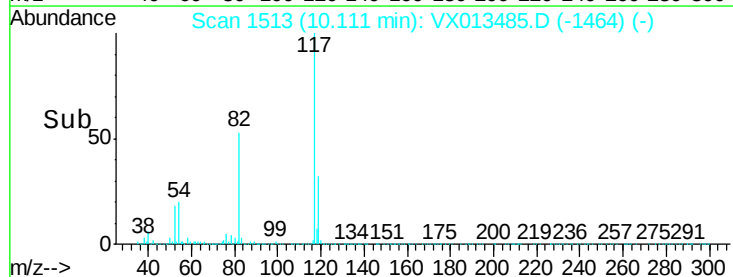
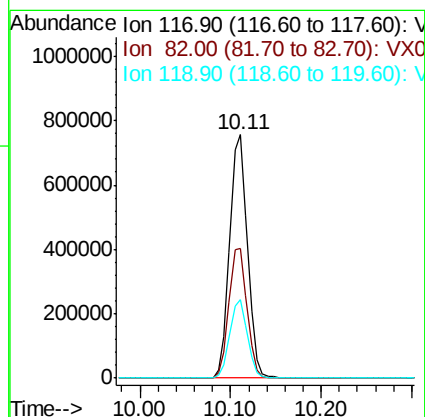
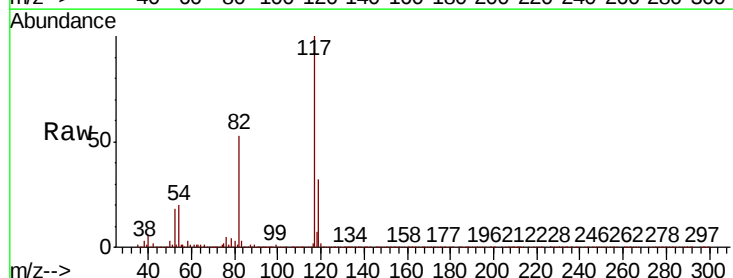
Tgt Ion: 117 Resp: 1031828

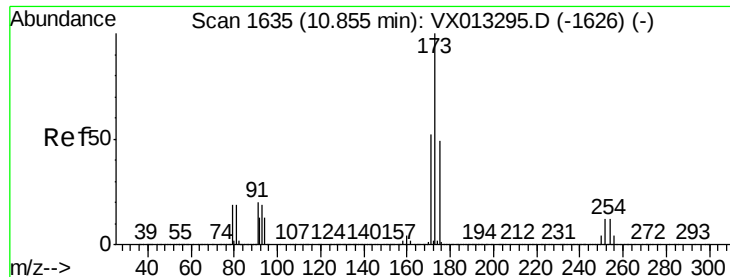
Ion Ratio Lower Upper

117 100

82 53.0 42.6 64.0

119 32.1 24.8 37.2

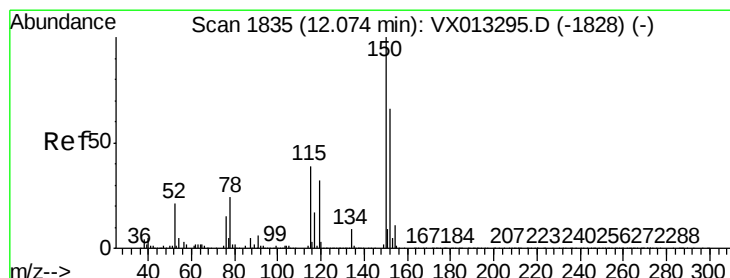
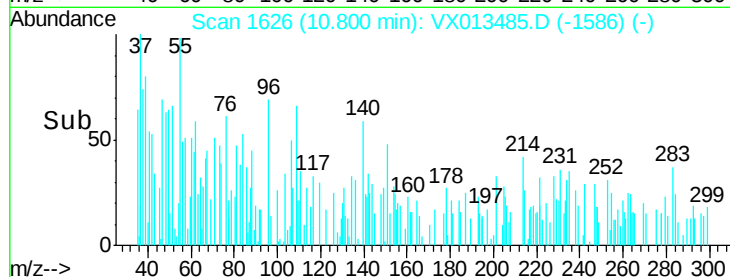
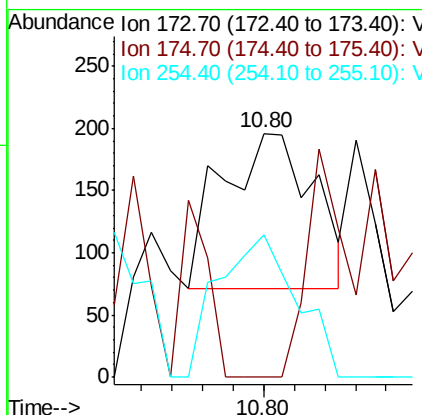
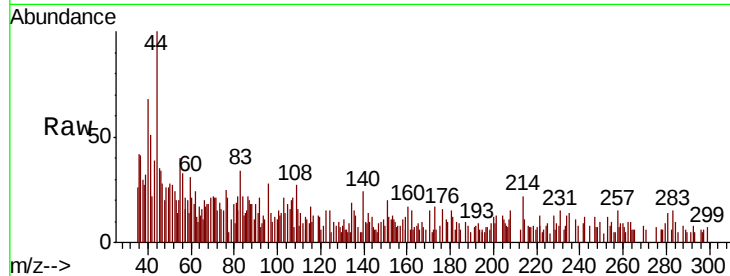




#71
Bromoform
Concen: 3.237 ug/l
RT: 10.80 min Scan# 1626
Delta R.T. -0.05 min
Lab File: VX013485.D
Acq: 20 Nov 2019 18:18

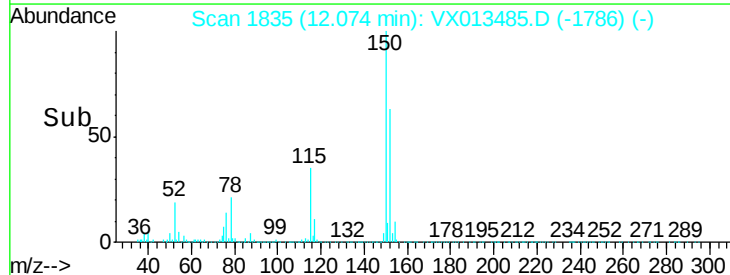
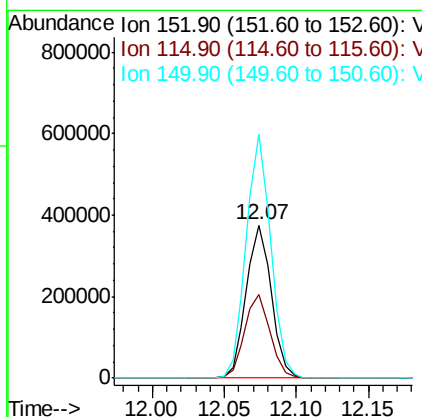
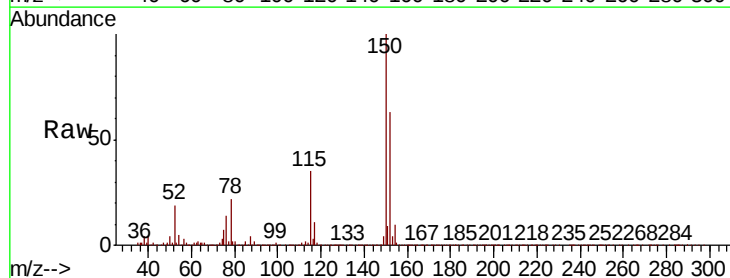
Instrument :
MSVOA_X
ClientSampled :

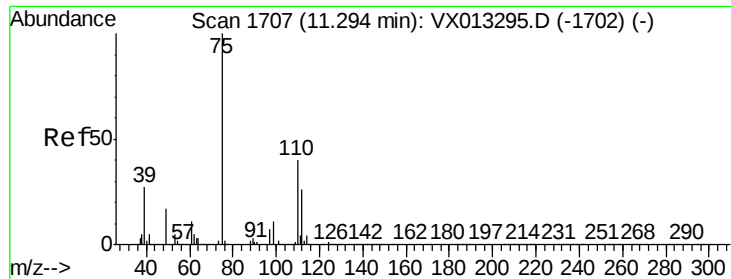
Tot Ion:173 Resp: 262
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 78.2 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013485.D
Acq: 20 Nov 2019 18:18

Tgt Ion:152 Resp: 450393
Ion Ratio Lower Upper
152 100
115 55.5 39.5 118.3
150 156.9 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 24.394 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

Instrument :

MSVOA_X

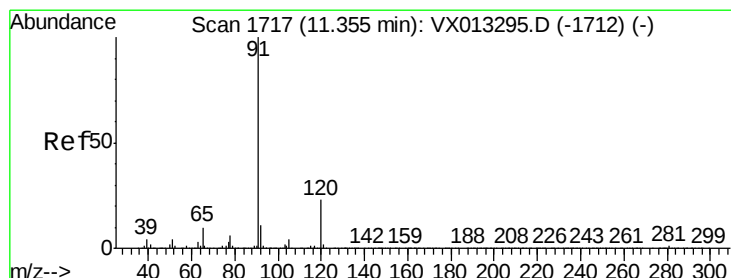
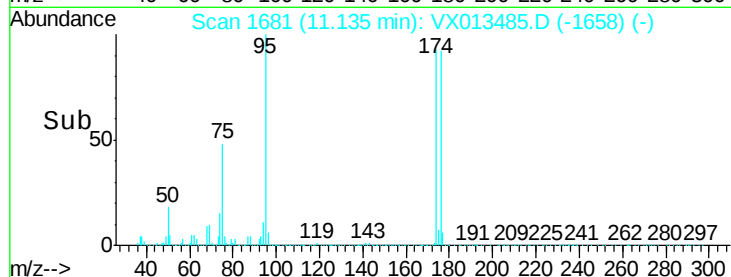
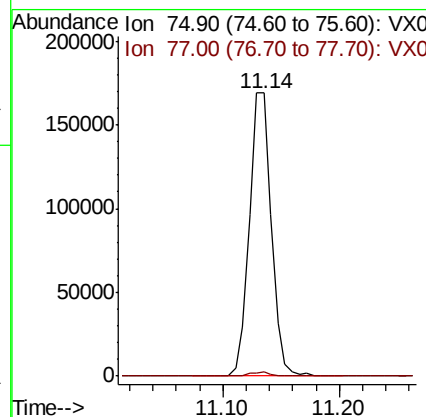
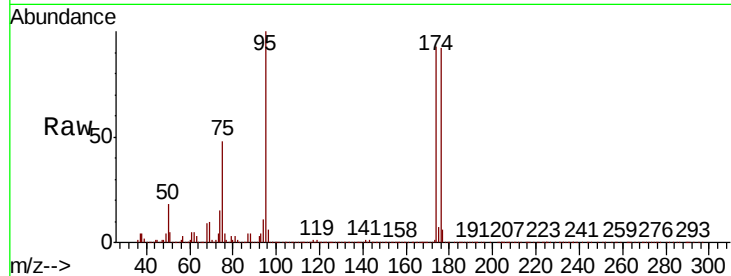
ClientSampleId :

Tot Ion: 75 Resp: 223162

Ion Ratio Lower Upper

75 100

77 1.3 22.3 66.8#



#78

n-propylbenzene

Concen: 0.456 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013485.D

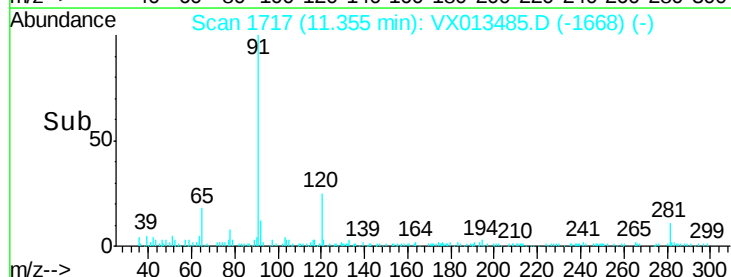
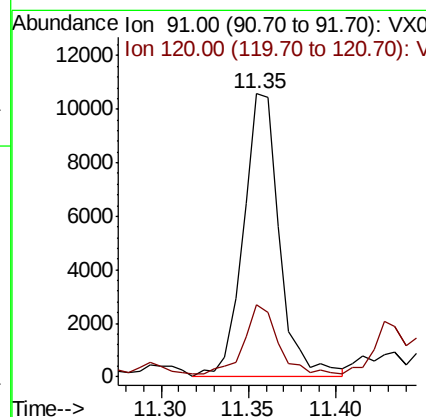
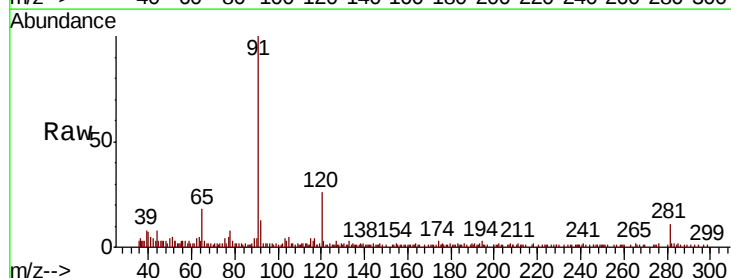
Acq: 20 Nov 2019 18:18

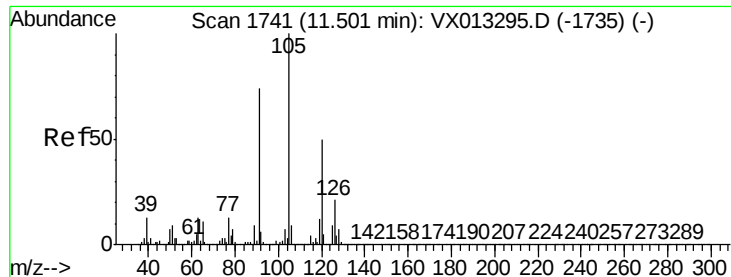
Tgt Ion: 91 Resp: 15182

Ion Ratio Lower Upper

91 100

120 22.1 11.6 34.8

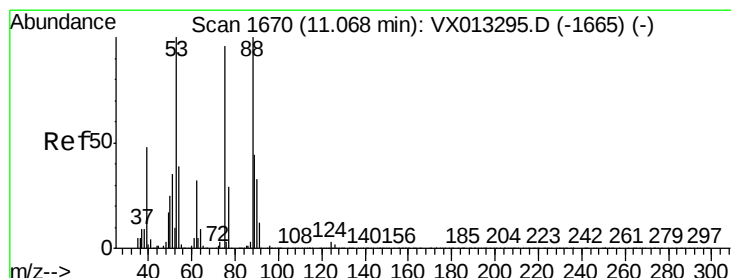
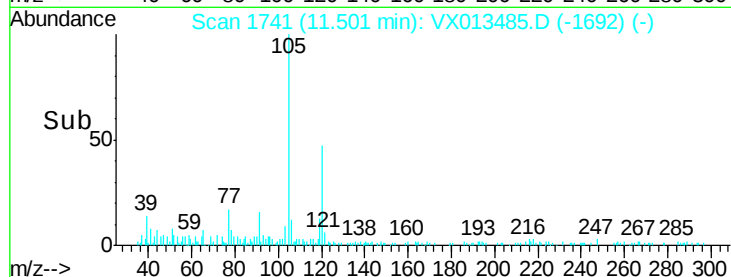
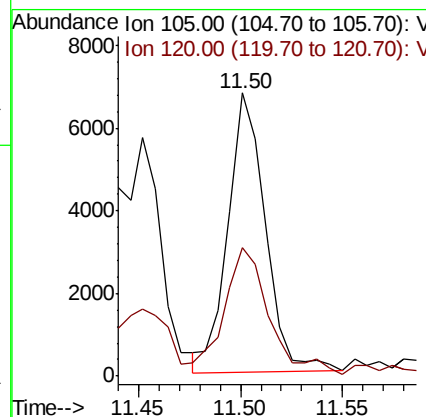
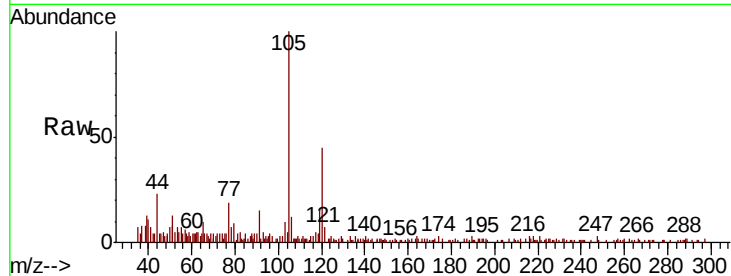




#80
 1,3,5-Trimethylbenzene
 Concen: 0.344 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013485.D
 Acq: 20 Nov 2019 18:18

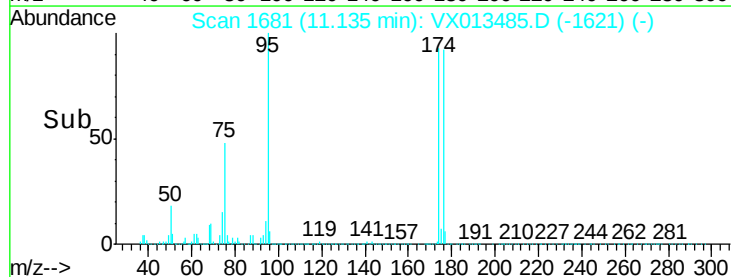
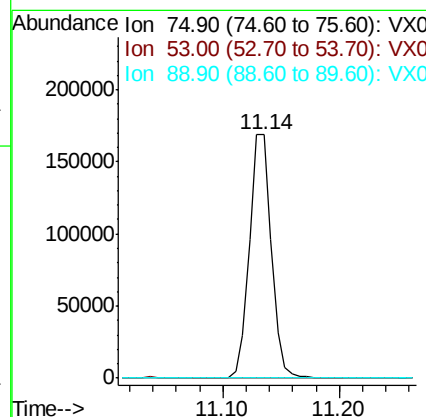
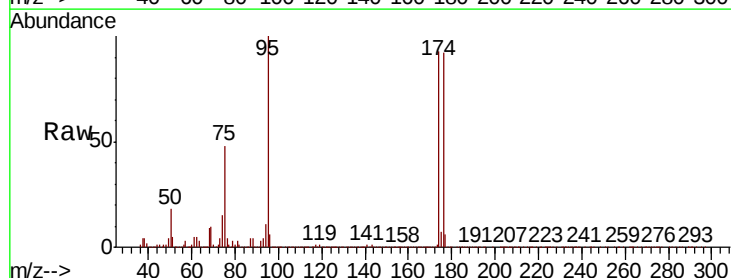
Instrument :
 MSVOA_X
 ClientSampleId :

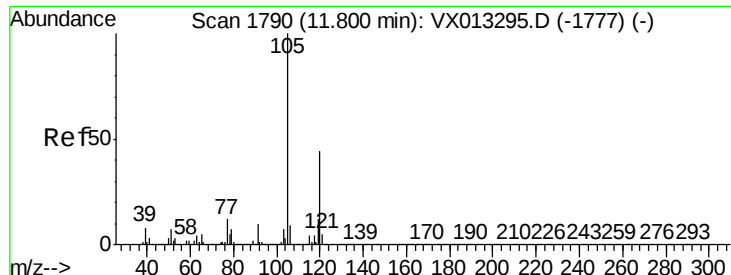
Tot Ion: 105 Resp: 8567
 Ion Ratio Lower Upper
 105 100
 120 53.3 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.791 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX013485.D
 Acq: 20 Nov 2019 18:18

Tgt Ion: 75 Resp: 223162
 Ion Ratio Lower Upper
 75 100
 53 0.4 81.0 121.6#
 89 0.1 36.0 54.0#





#84
 1,2,4-Trimethylbenzene
 Concen: 1.811 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX013485.D
 Acq: 20 Nov 2019 18:18

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 45191
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.7 68.1

