

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110119\
 Data File : VX013305.D
 Acq On : 01 Nov 2019 12:47
 Operator : JC/SP
 Sample : K5655-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 00:27:53 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	718331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1080704	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	948117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	431734	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	401967	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
35) Dibromofluoromethane	5.48	113	320827	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	8.71	98	1278808	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.13	95	415991	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	

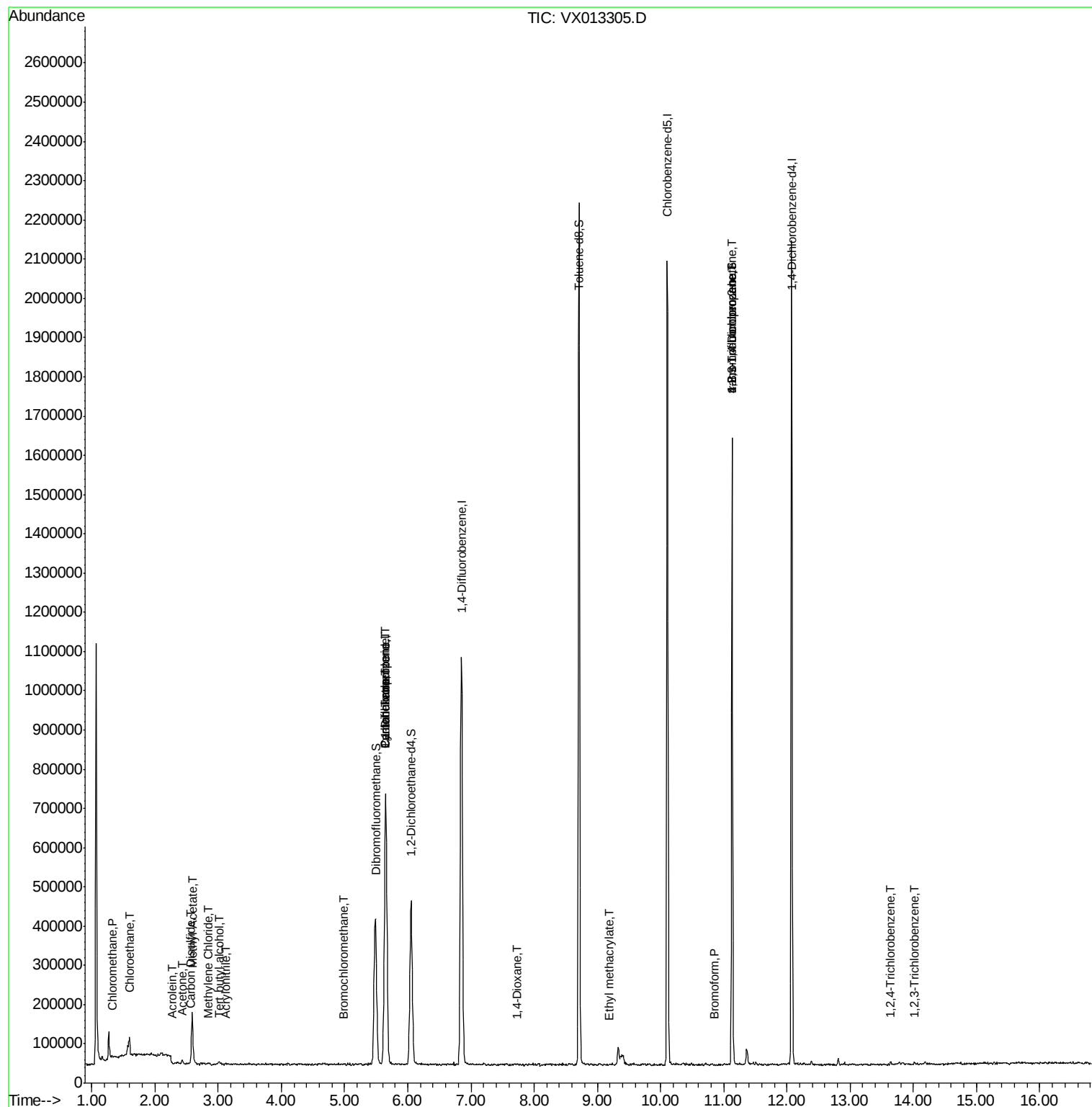
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2552	0.284	ug/l	95
6) Chloroethane	1.59	64	8900	0.341	ug/l #	64
11) Tert butyl alcohol	3.01	59	4356	1.942	ug/l #	90
13) Acrolein	2.28	56	380	0.313	ug/l #	14
15) Acrylonitrile	3.12	53	2681	0.640	ug/l #	46
16) Acetone	2.43	43	13955	3.288	ug/l #	87
17) Carbon Disulfide	2.56	76	5788	0.328	ug/l #	88
18) Methyl Acetate	2.59	43	34268	2.924	ug/l #	54
20) Methylene Chloride	2.84	84	2580	0.329	ug/l	85
28) Bromochloromethane	4.98	49	1453	0.396	ug/l #	66
31) Cyclohexane	5.65	56	13158	1.131	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	47961	5.173	ug/l #	52
38) Carbon Tetrachloride	5.65	117	60891	6.716	ug/l #	15
49) 1,4-Dioxane	7.73	88	237	1.162	ug/l #	29
56) Ethyl methacrylate	9.18	69	561	1.606	ug/l #	67
71) Bromoform	10.85	173	352	3.253	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	209230	23.860	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	209230	61.415	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.64	180	2060	0.217	ug/l	94
96) 1,2,3-Trichlorobenzene	14.02	180	2231	0.235	ug/l	95

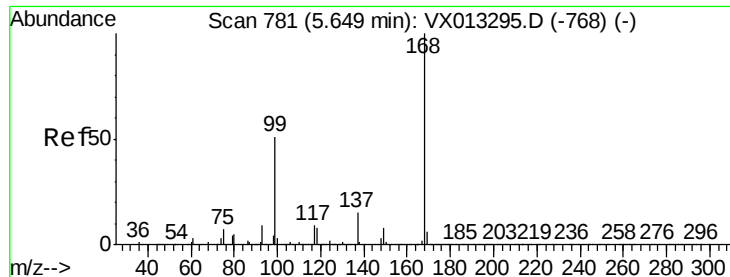
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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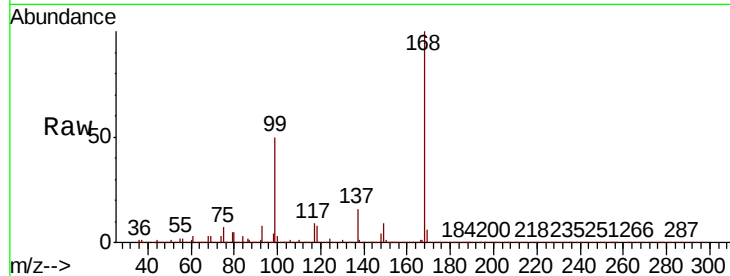


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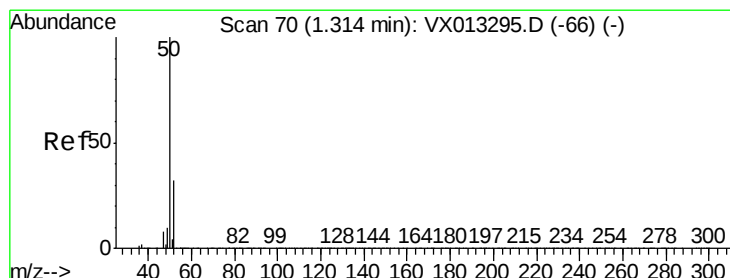
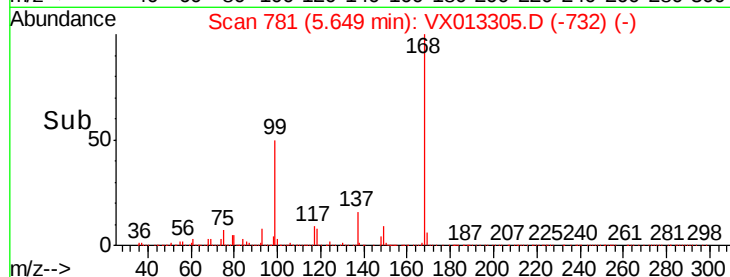
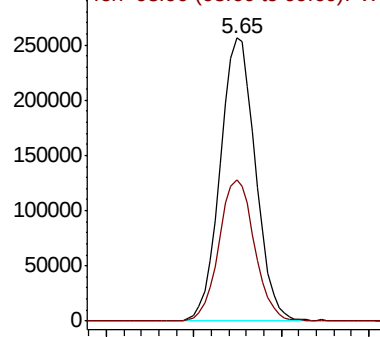
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX013305.D
Acq: 01 Nov 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 718331
Ion Ratio Lower Upper
168 100
99 49.9 40.8 61.2



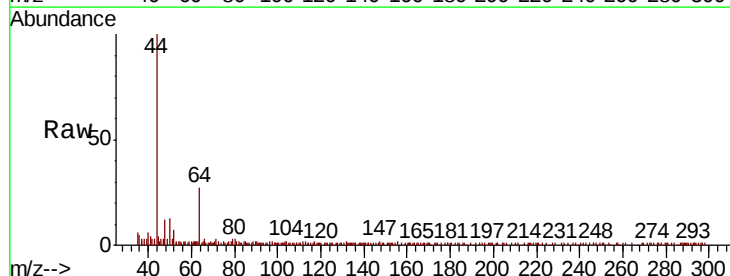
Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0



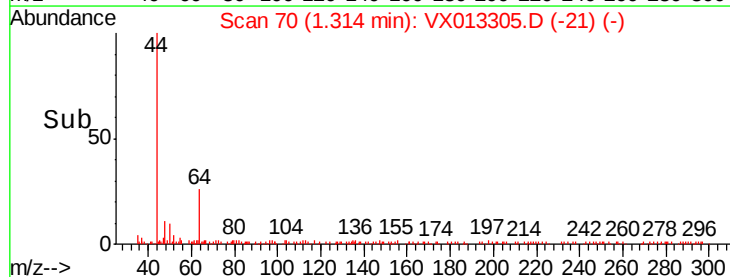
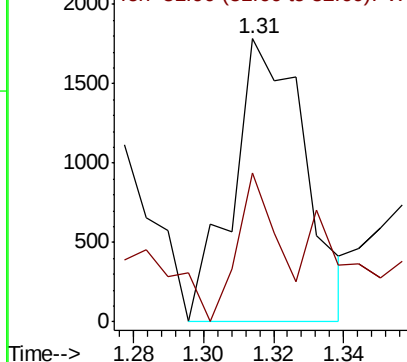
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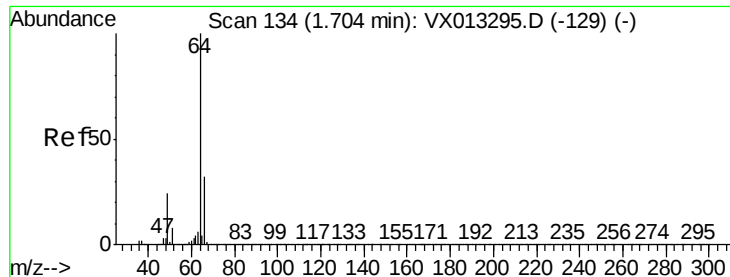
Chloromethane
Concen: 0.284 ug/l
RT: 1.31 min Scan# 70
Delta R.T. 0.00 min
Lab File: VX013305.D
Acq: 01 Nov 2019 12:47

Tgt Ion: 50 Resp: 2552
Ion Ratio Lower Upper
50 100
52 34.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.341 ug/l

RT: 1.59 min Scan# 116

Delta R.T. -0.11 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

Instrument :

MSVOA_X

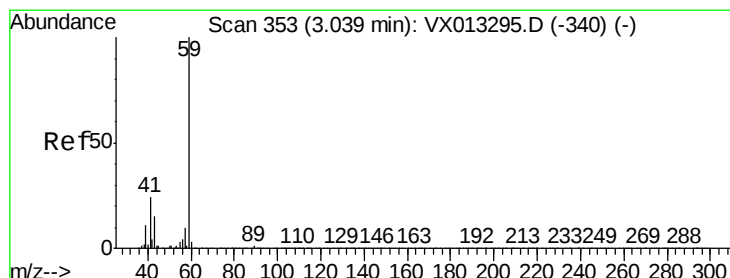
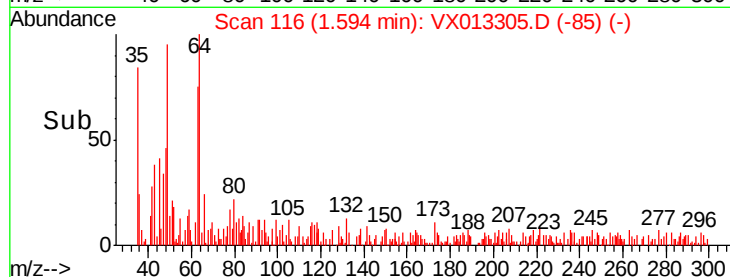
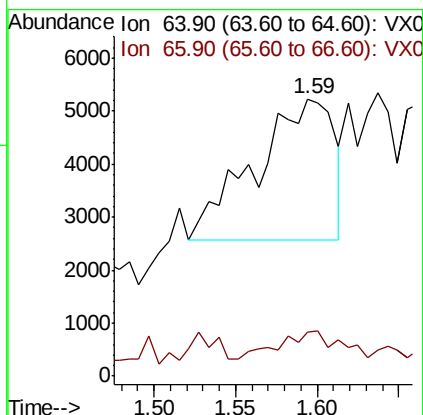
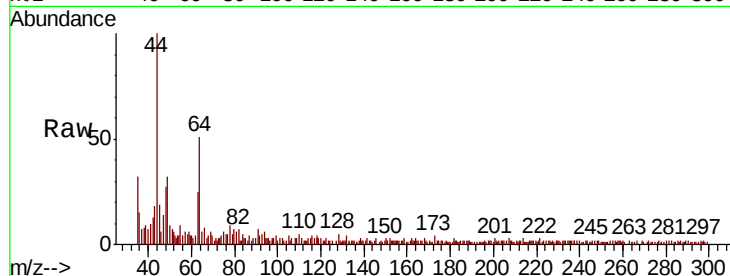
ClientSampled :

Tot Ion: 64 Resp: 8900

Ion Ratio Lower Upper

64 100

66 12.1 25.6 38.4#



#11

Tert butyl alcohol

Concen: 1.942 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX013305.D

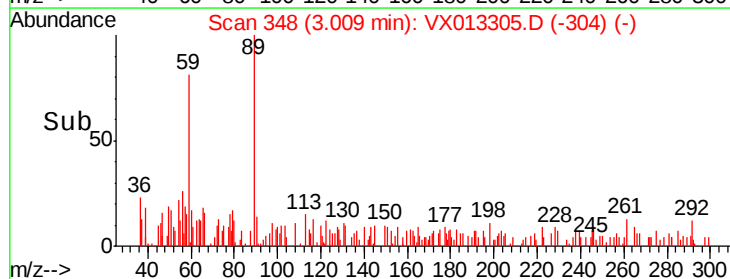
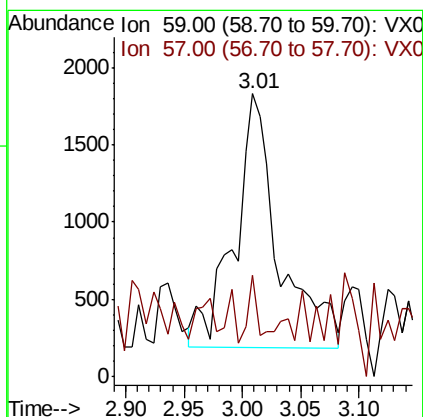
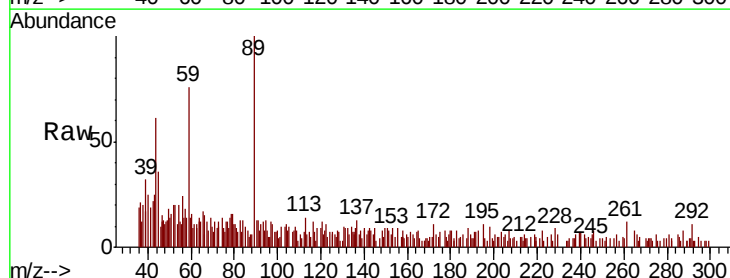
Acq: 01 Nov 2019 12:47

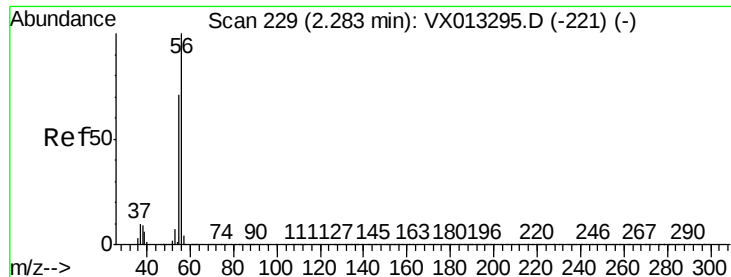
Tgt Ion: 59 Resp: 4356

Ion Ratio Lower Upper

59 100

57 6.3 8.0 12.0#





#13

Acrolein

Concen: 0.313 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

Instrument :

MSVOA_X

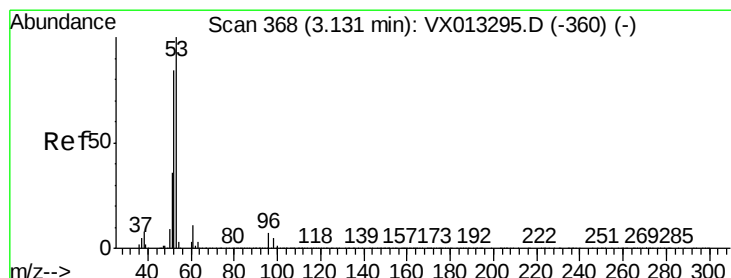
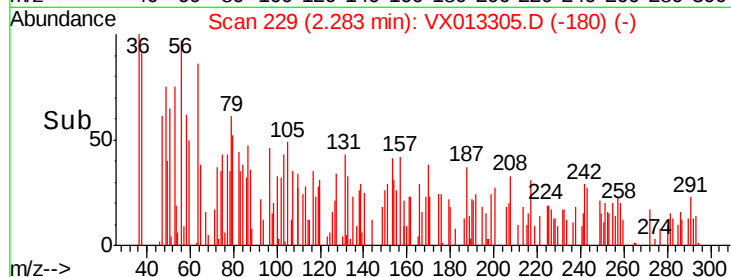
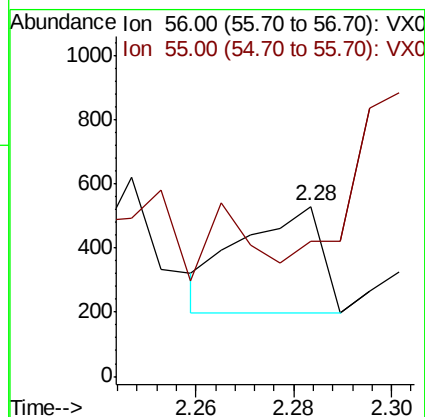
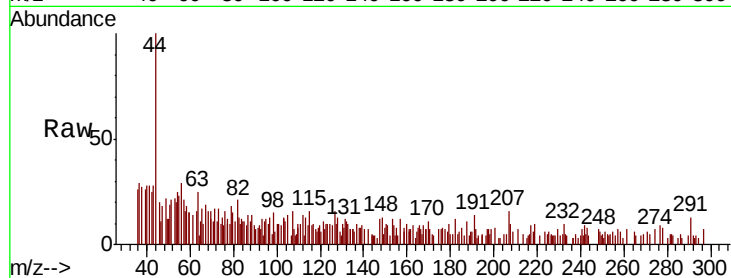
ClientSampled :

Tot Ion: 56 Resp: 380

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



#15

Acrylonitrile

Concen: 0.640 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

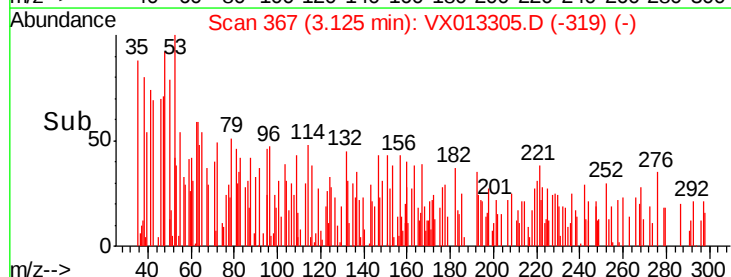
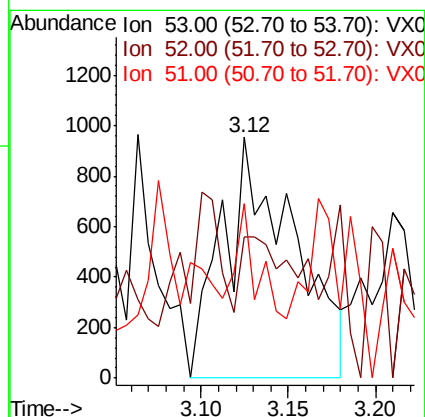
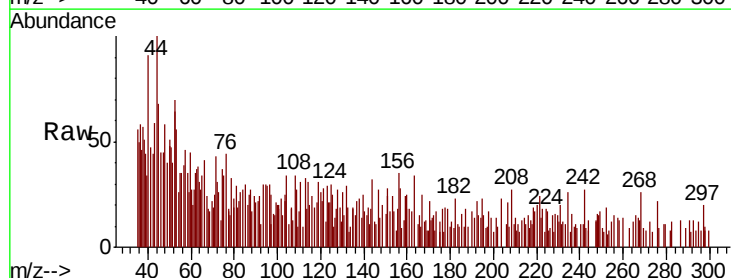
Tgt Ion: 53 Resp: 2681

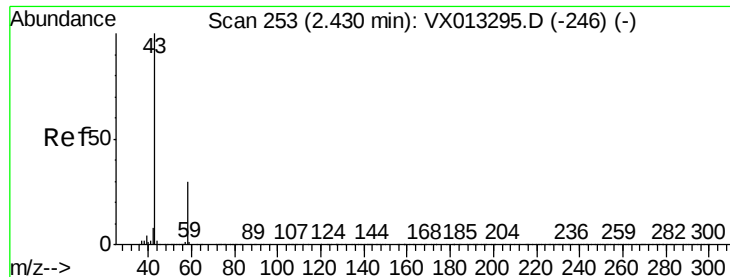
Ion Ratio Lower Upper

53 100

52 27.2 67.4 101.0#

51 16.6 29.4 44.2#

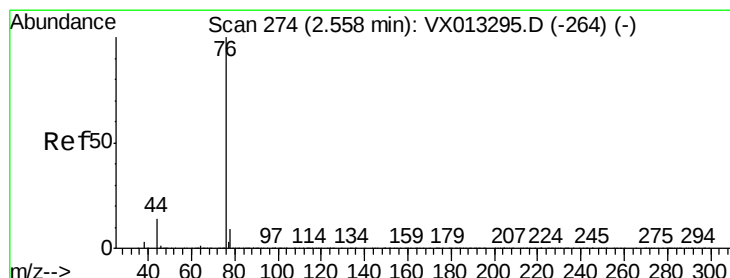
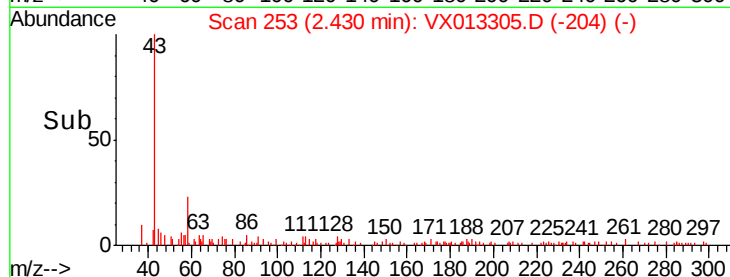
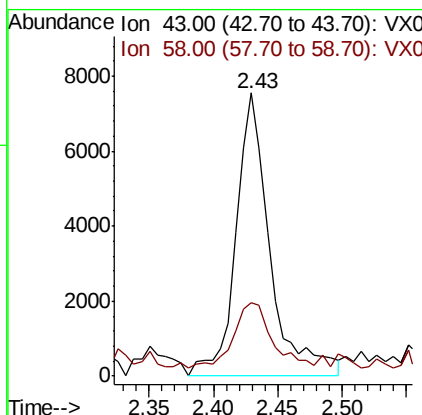
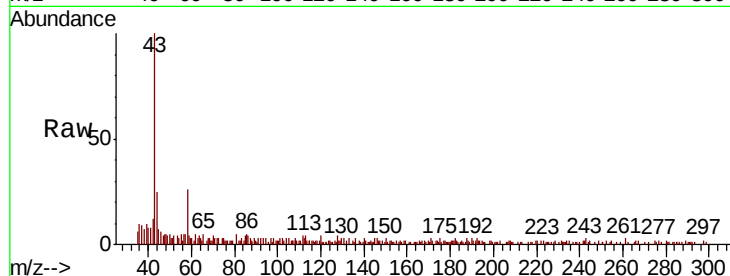




#16
Acetone
Concen: 3.288 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013305.D
Acq: 01 Nov 2019 12:47

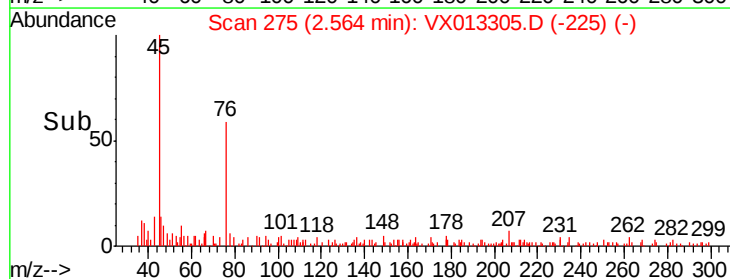
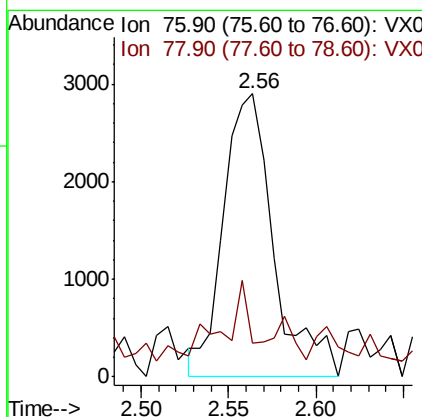
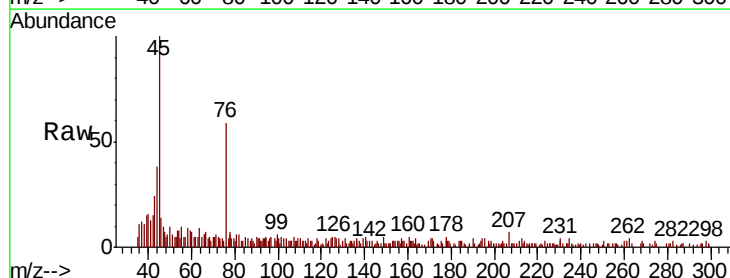
Instrument :
MSVOA_X
ClientSampleId :

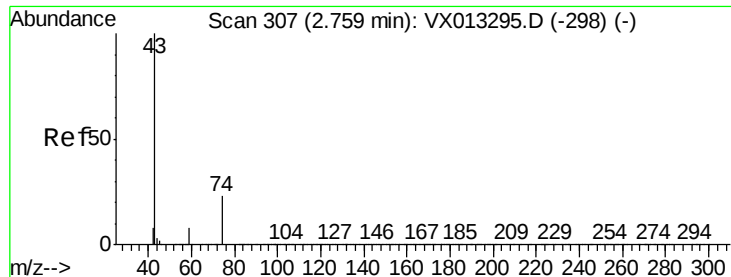
Tot Ion: 43 Resp: 13955
Ion Ratio Lower Upper
43 100
58 23.1 24.3 36.5#



#17
Carbon Disulfide
Concen: 0.328 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013305.D
Acq: 01 Nov 2019 12:47

Tgt Ion: 76 Resp: 5788
Ion Ratio Lower Upper
76 100
78 13.1 7.0 10.6#

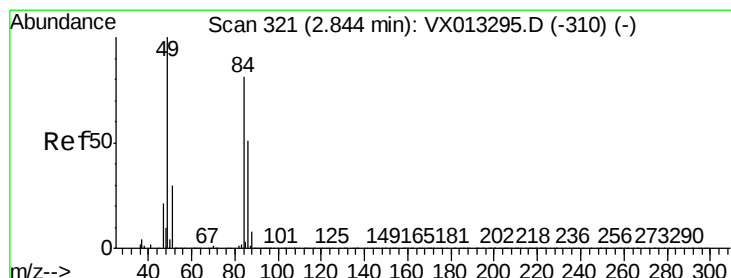
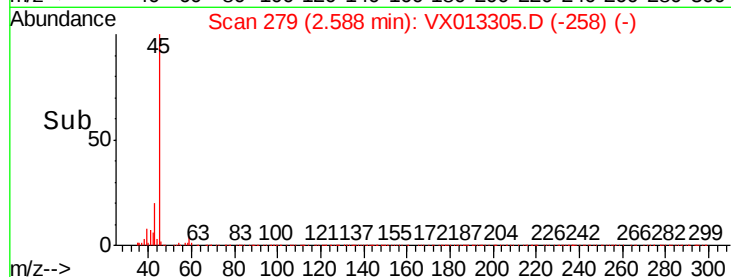
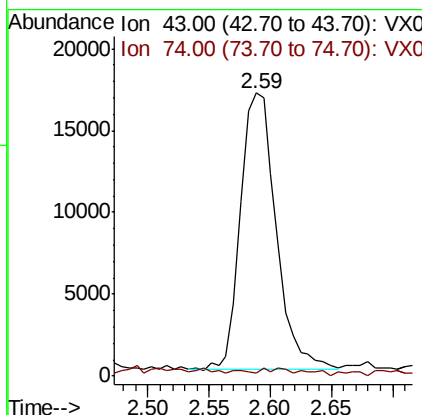
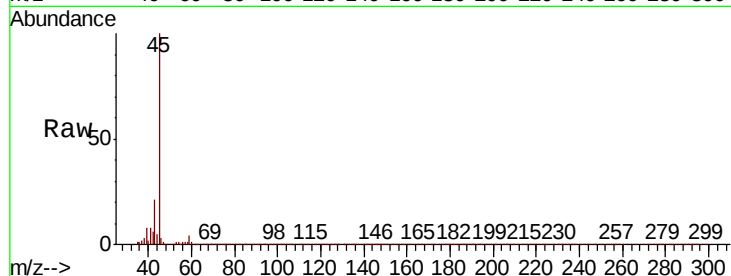




#18
Methyl Acetate
Concen: 2.924 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.17 min
Lab File: VX013305.D
Acq: 01 Nov 2019 12:47

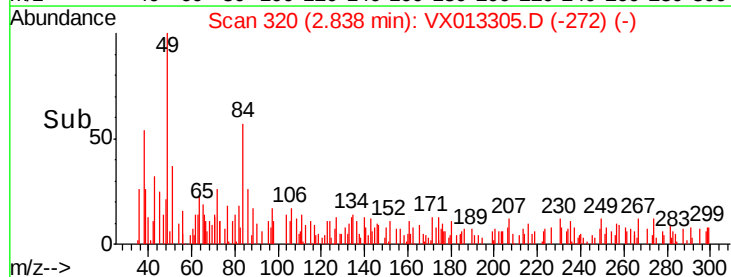
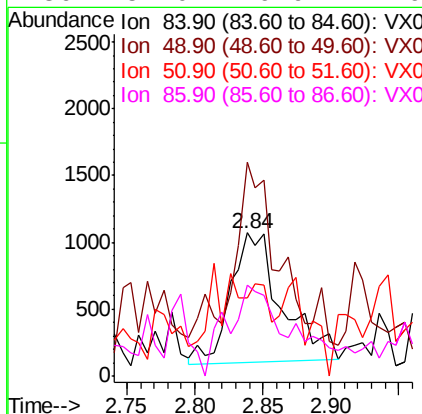
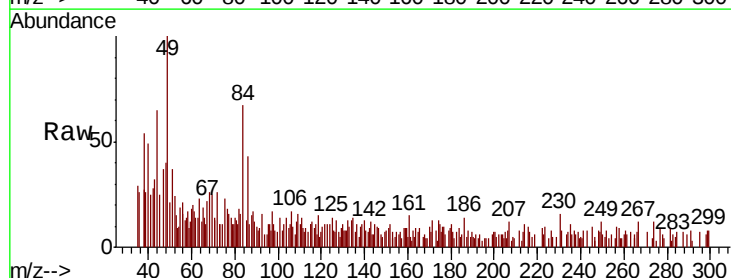
Instrument :
MSVOA_X
ClientSampleId :

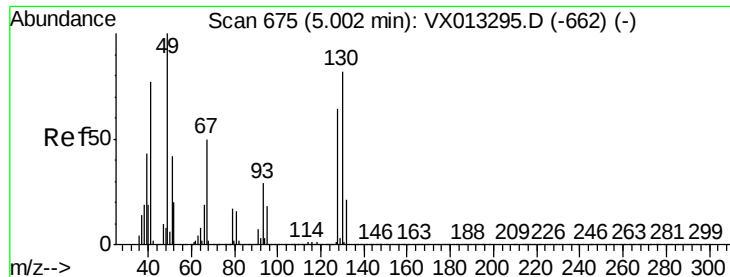
Tot Ion: 43 Resp: 34268
Ion Ratio Lower Upper
43 100
74 1.1 19.0 28.6#



#20
Methylene Chloride
Concen: 0.329 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX013305.D
Acq: 01 Nov 2019 12:47

Tgt Ion: 84 Resp: 2580
Ion Ratio Lower Upper
84 100
49 145.3 98.2 147.4
51 38.6 29.9 44.9
86 52.0 49.9 74.9

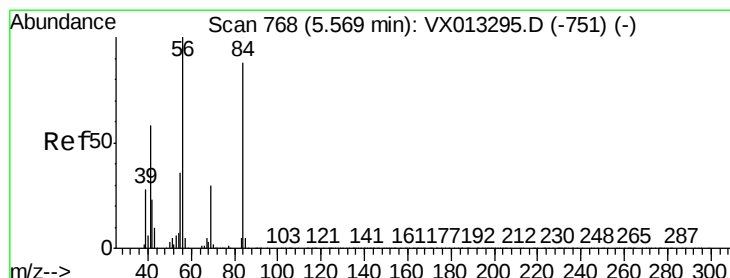
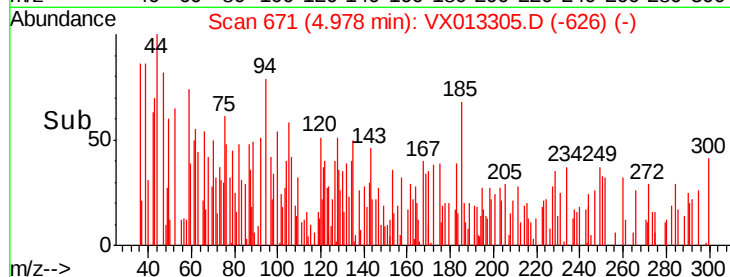
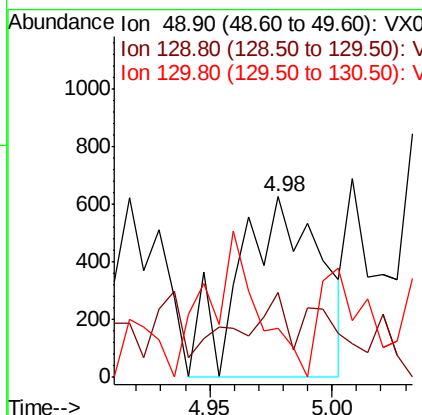
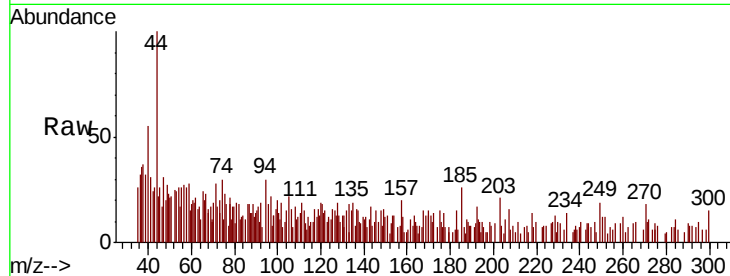




#28
Bromochloromethane
Concen: 0.396 ug/l
RT: 4.98 min Scan# 671
Delta R.T. -0.02 min
Lab File: VX013305.D
Acq: 01 Nov 2019 12:47

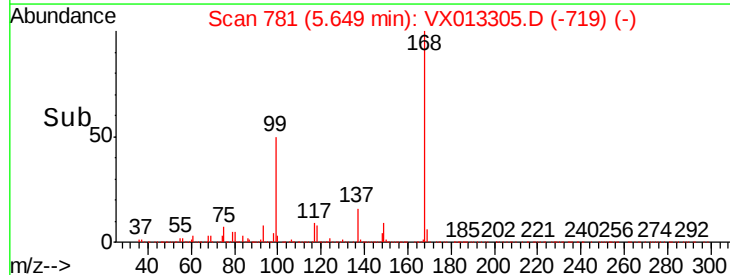
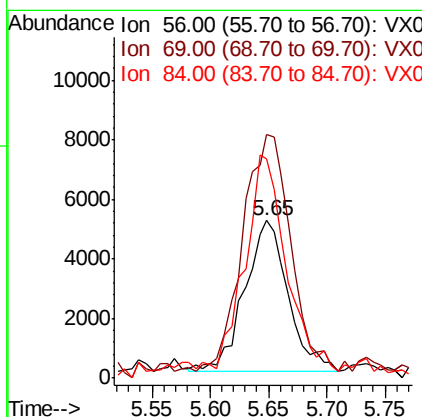
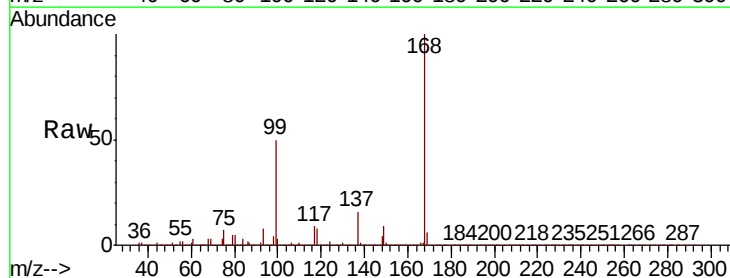
Instrument :
MSVOA_X
ClientSampleId :

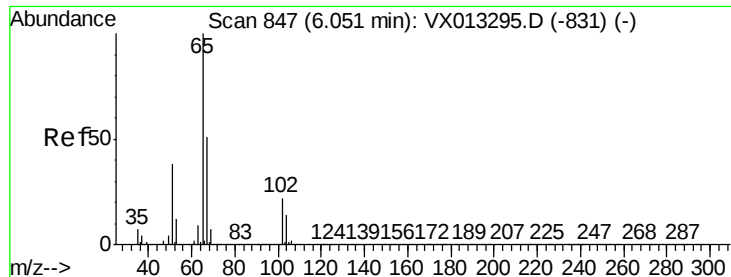
Tot Ion: 49 Resp: 1453
Ion Ratio Lower Upper
49 100
129 13.7 0.0 5.2#
130 49.8 63.8 95.6#



#31
Cyclohexane
Concen: 1.131 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX013305.D
Acq: 01 Nov 2019 12:47

Tgt Ion: 56 Resp: 13158
Ion Ratio Lower Upper
56 100
69 156.8 23.7 35.5#
84 151.0 70.6 105.8#

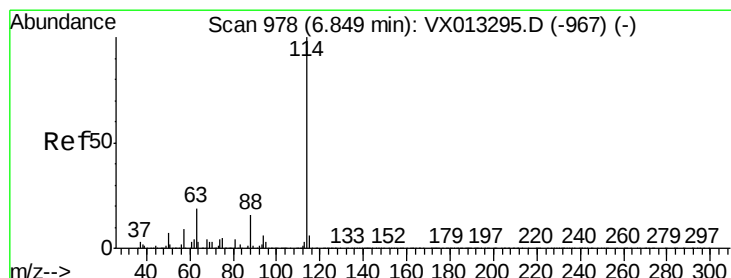
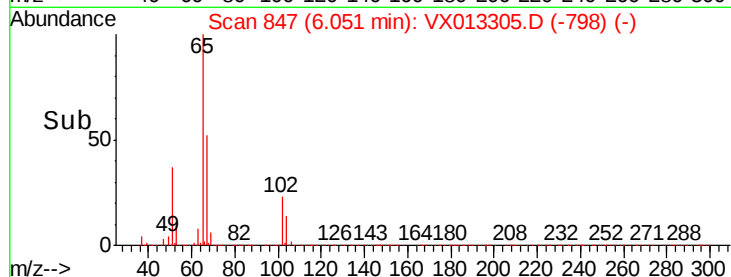
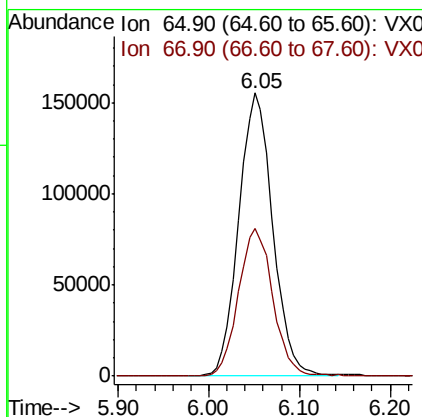
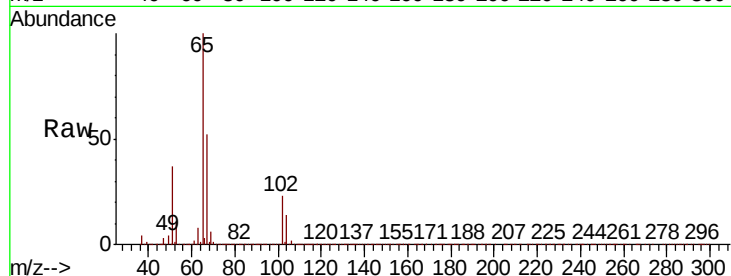




#33
 1,2-Dichloroethane-d4
 Concen: 47.234 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013305.D
 Acq: 01 Nov 2019 12:47

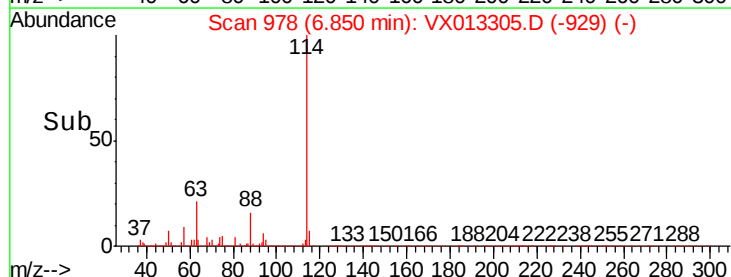
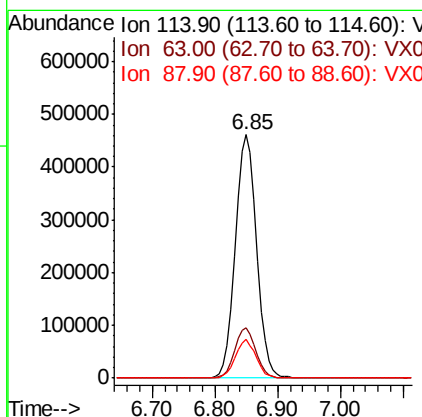
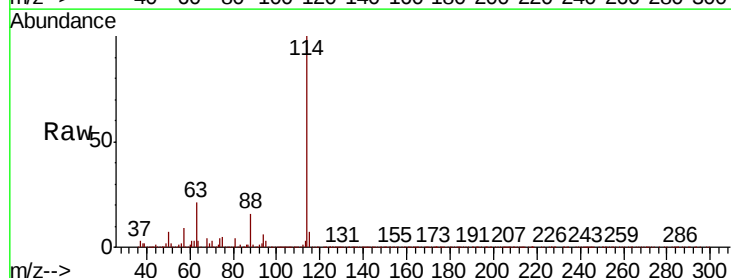
Instrument :
 MSVOA_X
 ClientSampleId :

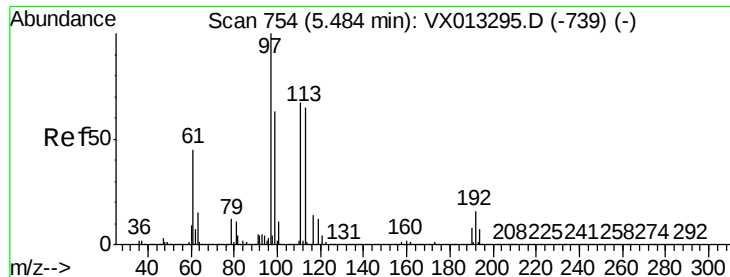
Tot Ion: 65 Resp: 401967
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013305.D
 Acq: 01 Nov 2019 12:47

Tgt Ion: 114 Resp: 1080704
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.4
 88 15.8 0.0 32.2

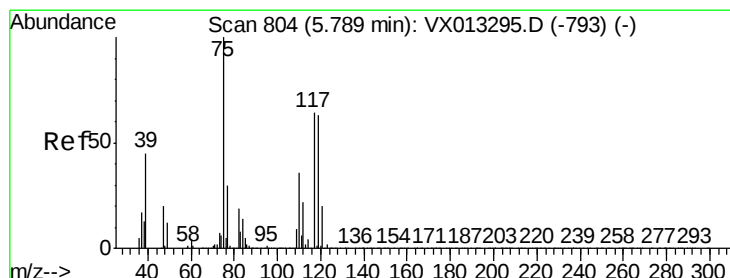
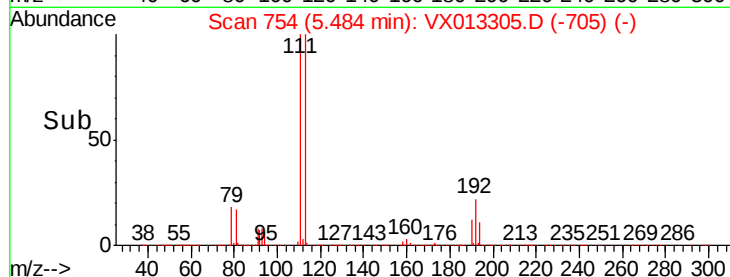
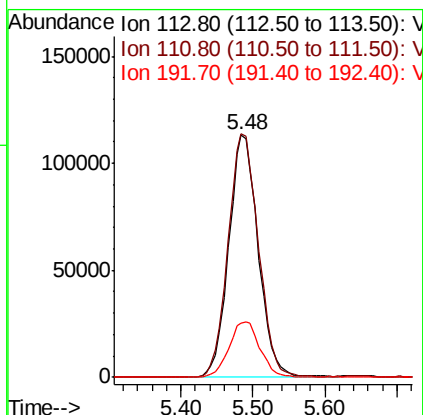
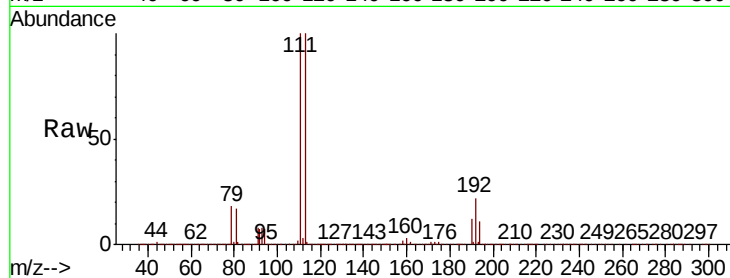




#35
Dibromofluoromethane
Concen: 47.331 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013305.D
Acq: 01 Nov 2019 12:47

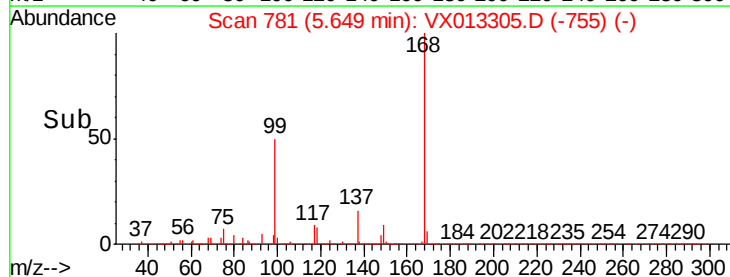
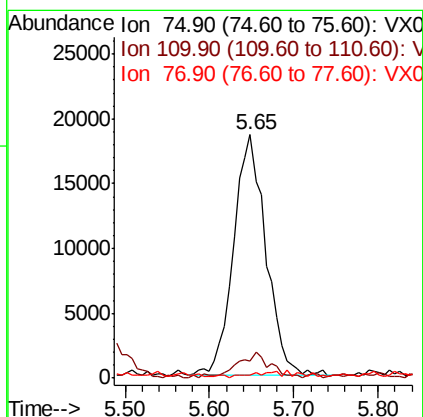
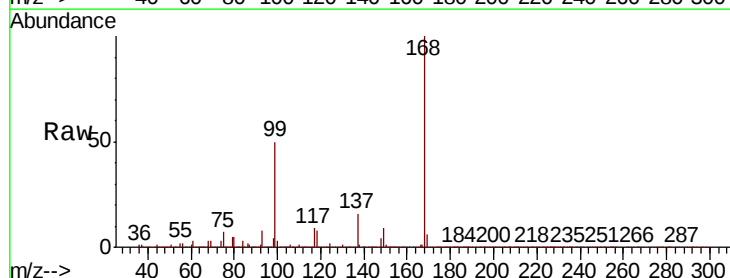
Instrument :
MSVOA_X
ClientSampleId :

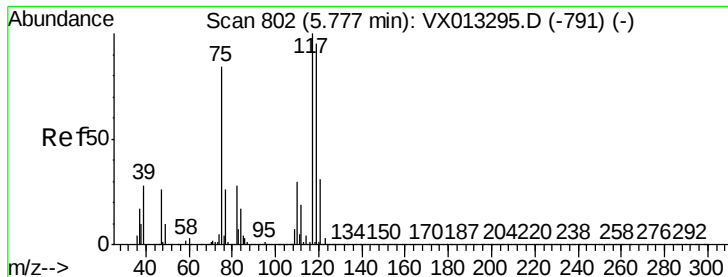
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	23.7	19.1	28.7



#36
1,1-Dichloropropene
Concen: 5.173 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX013305.D
Acq: 01 Nov 2019 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	18.1	54.1#
77	1.2	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.716 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

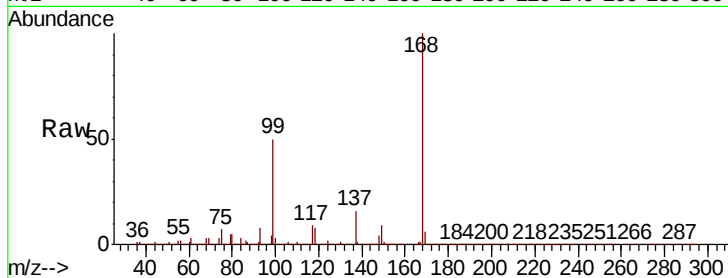
Tot Ion:117 Resp: 60891

Ion Ratio Lower Upper

117 100

119 3.6 76.1 114.1#

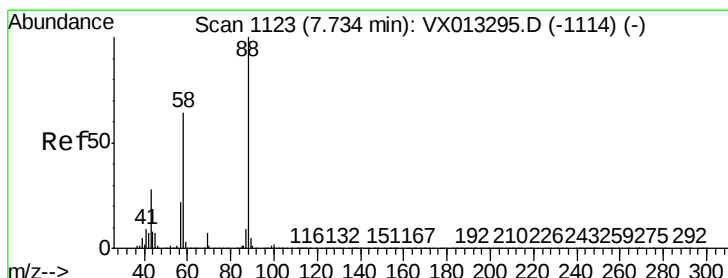
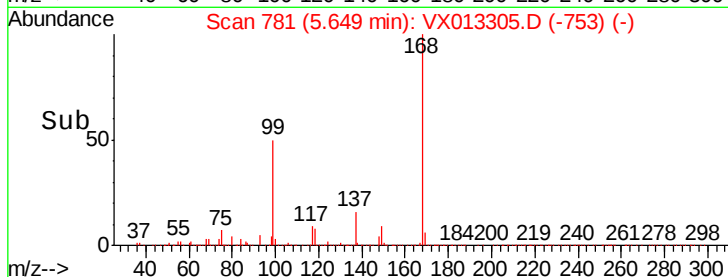
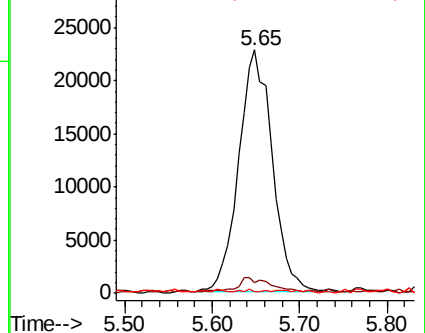
121 0.4 24.6 37.0#



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: 1.162 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

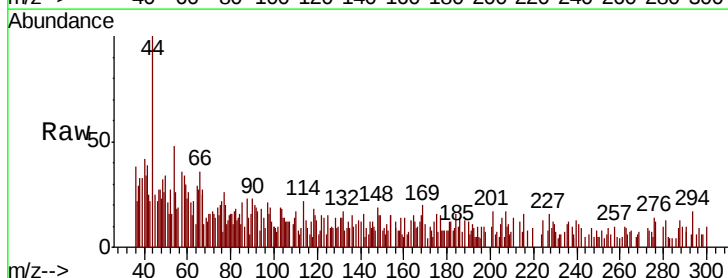
Tgt Ion: 88 Resp: 237

Ion Ratio Lower Upper

88 100

43 148.9 26.6 39.8#

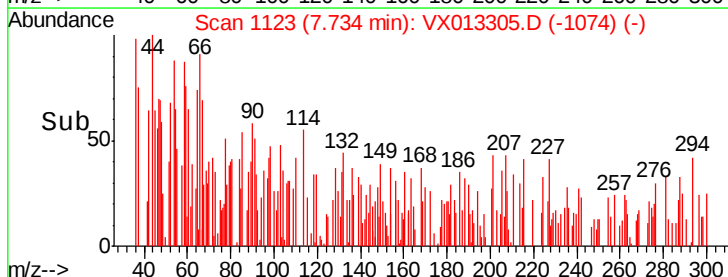
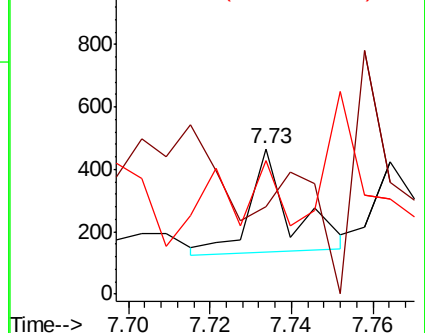
58 63.3 55.0 82.6

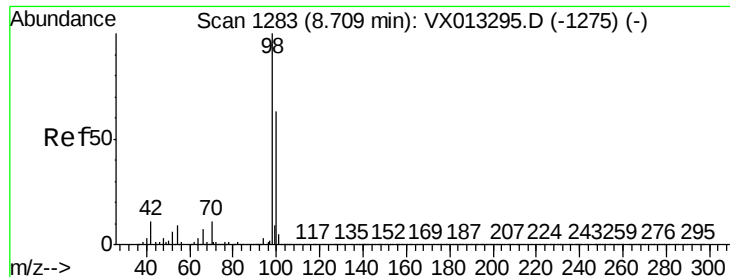


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.044 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

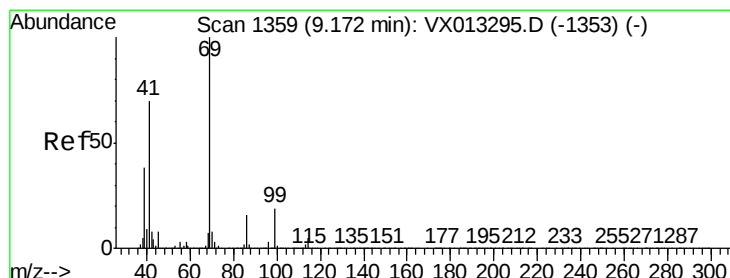
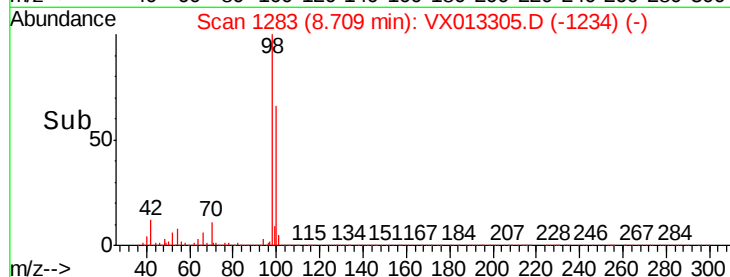
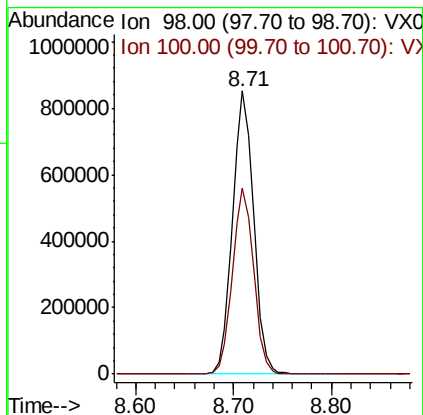
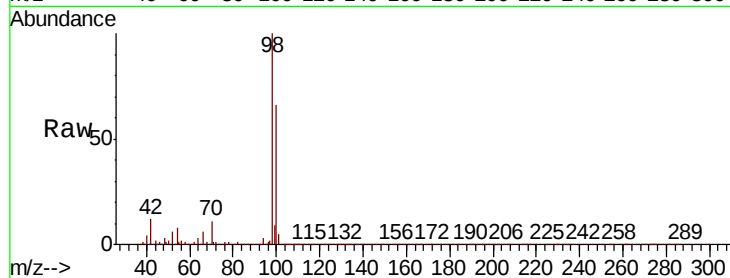
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 1278808

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.606 ug/l

RT: 9.18 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

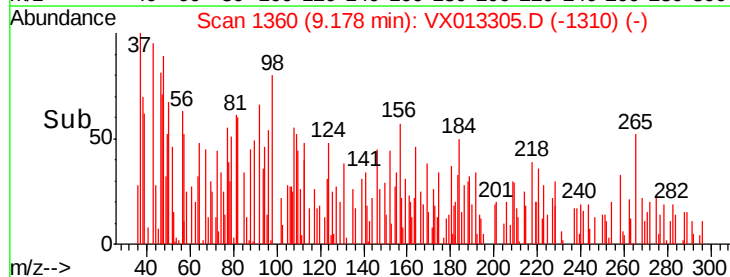
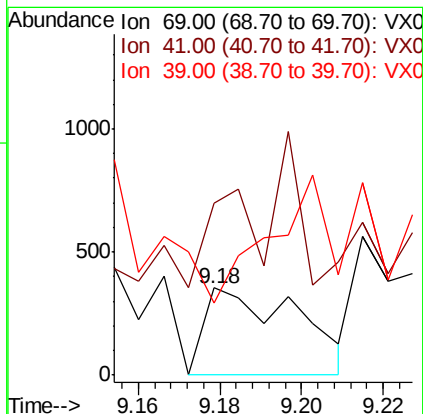
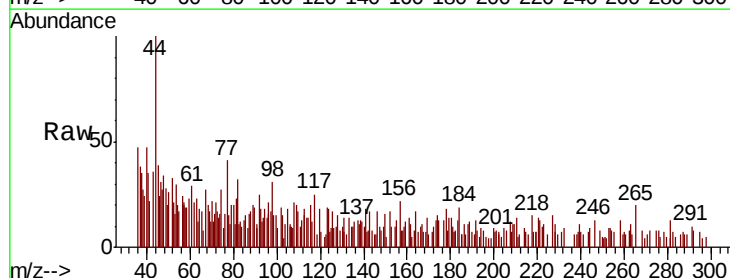
Tgt Ion: 69 Resp: 561

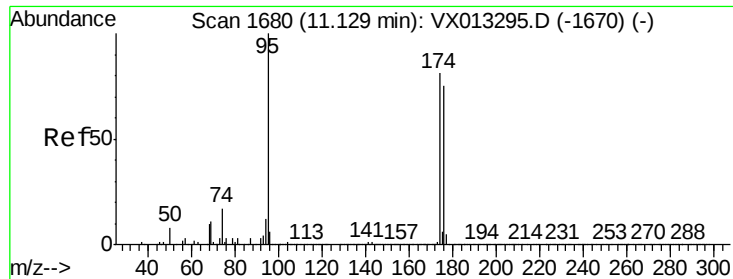
Ion Ratio Lower Upper

69 100

41 57.4 56.2 84.2

39 0.0 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 45.106 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

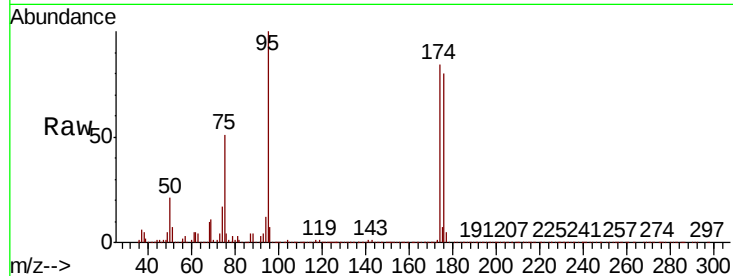
Tot Ion: 95 Resp: 415991

Ion Ratio Lower Upper

95 100

174 90.8 0.0 179.8

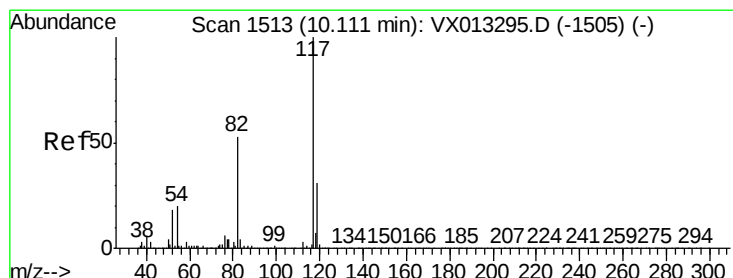
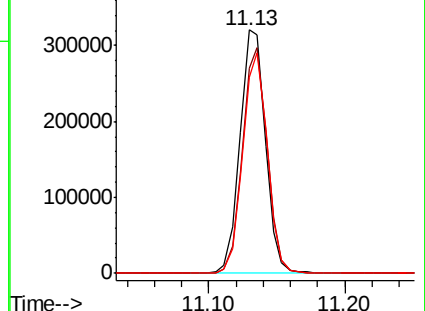
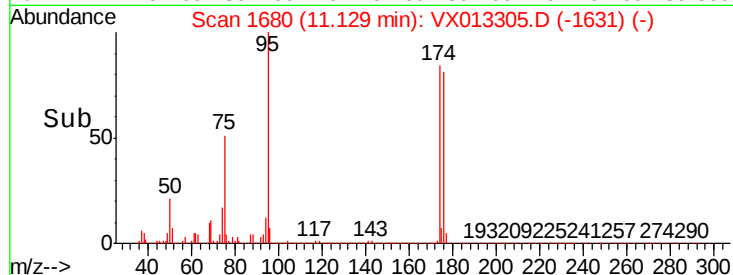
176 88.3 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX013305.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX013305.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX013305.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

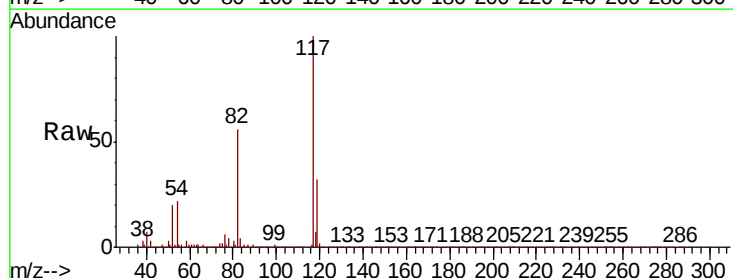
Tgt Ion: 117 Resp: 948117

Ion Ratio Lower Upper

117 100

82 55.5 42.6 64.0

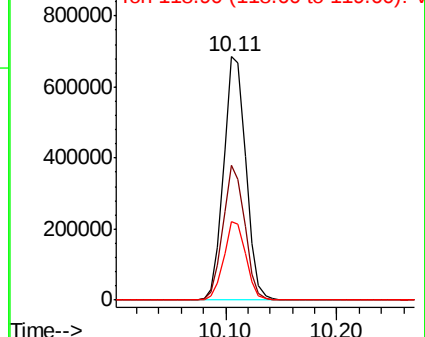
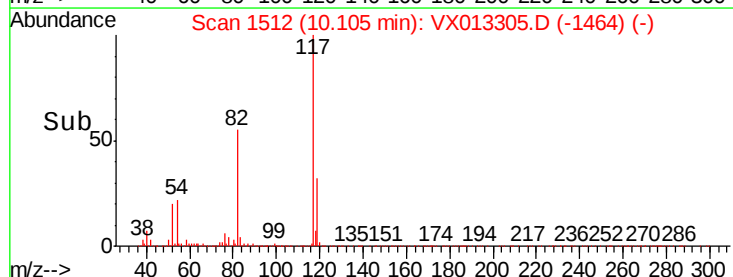
119 32.1 24.8 37.2

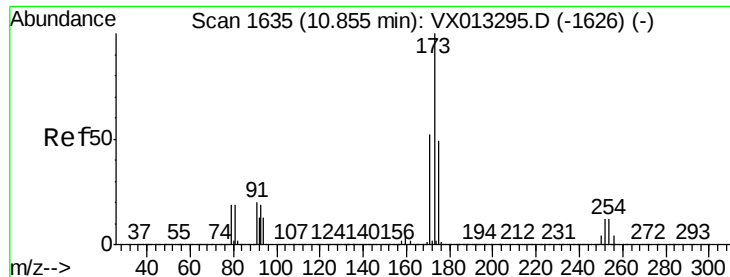


Abundance Ion 116.90 (116.60 to 117.60): VX013305.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013305.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013305.D (-1464) (-)





#71

Bromoform

Concen: 3.253 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

Instrument :

MSVOA_X

ClientSampled :

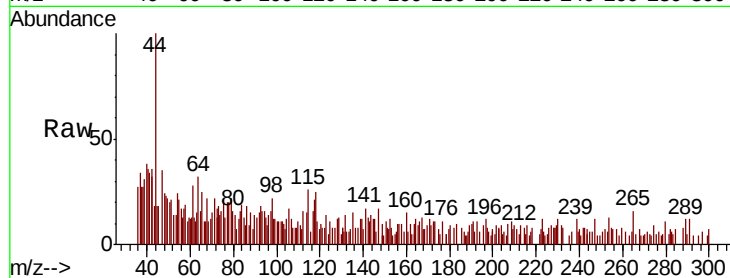
Tot Ion:173 Resp: 352

Ion Ratio Lower Upper

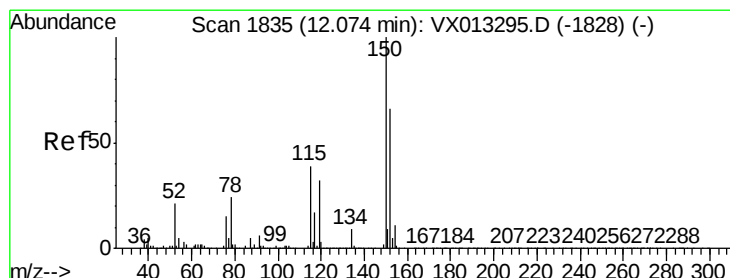
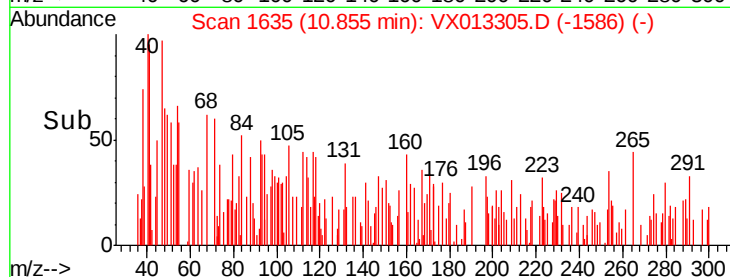
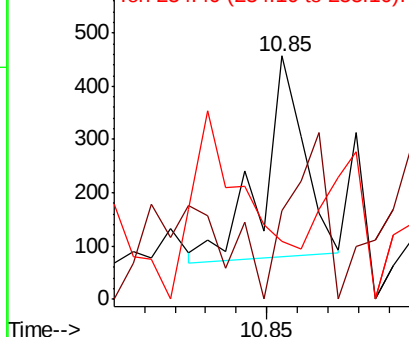
173 100

175 0.0 24.8 74.4#

254 0.0 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: VX013305.D

Acq: 01 Nov 2019 12:47

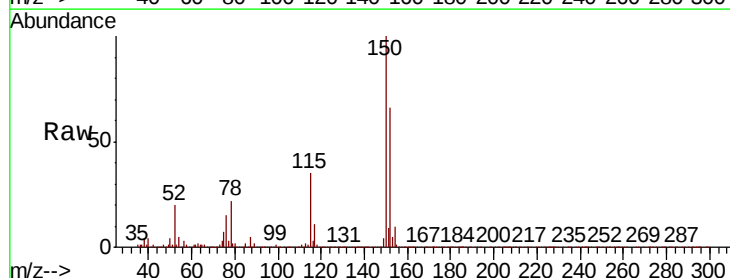
Tgt Ion:152 Resp: 431734

Ion Ratio Lower Upper

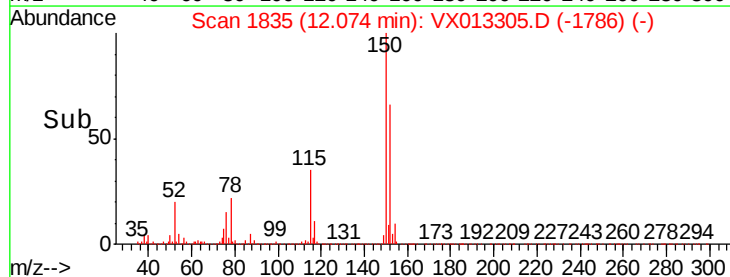
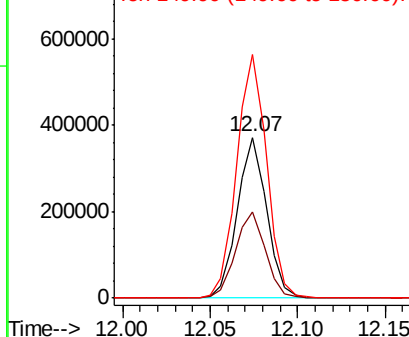
152 100

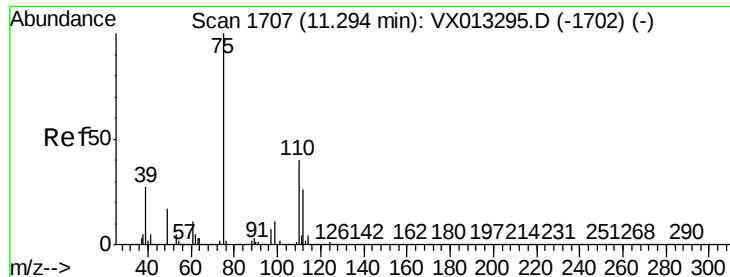
115 55.4 39.5 118.3

150 155.3 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: 23.860 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

Instrument :

MSVOA_X

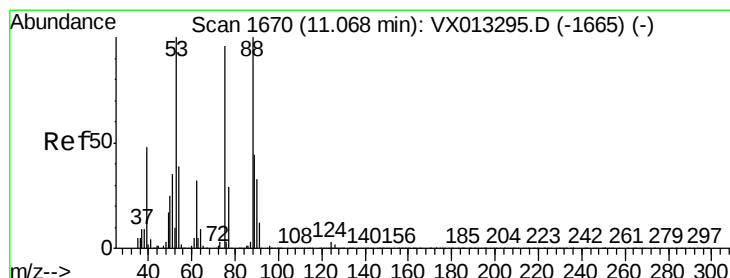
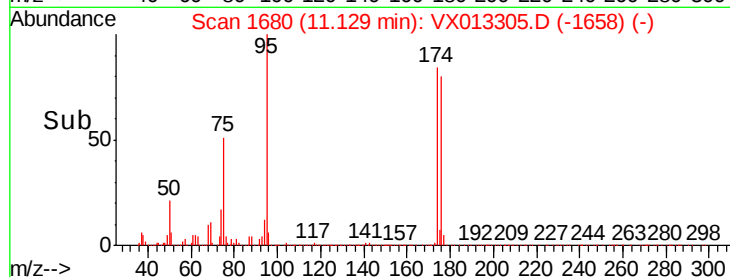
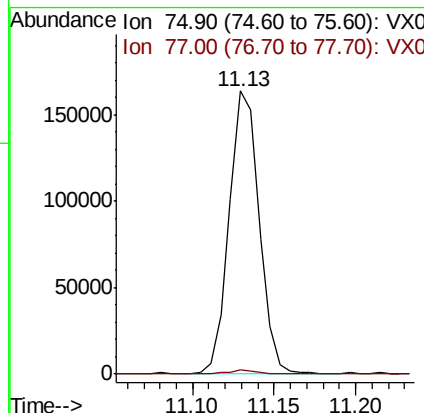
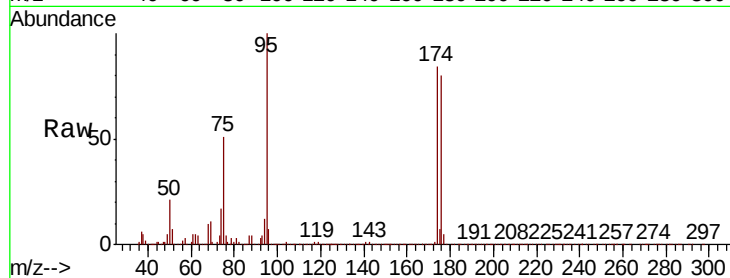
ClientSampleId :

Tot Ion: 75 Resp: 209230

Ion Ratio Lower Upper

75 100

77 1.4 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.415 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

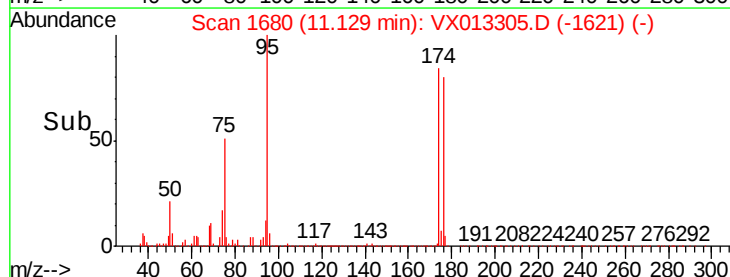
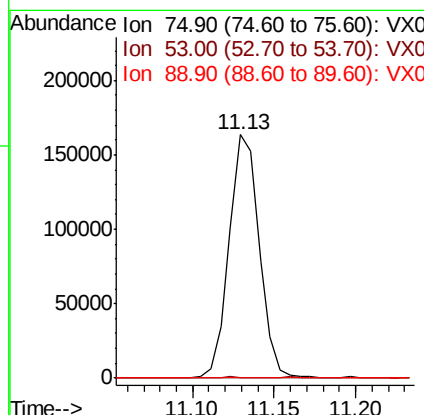
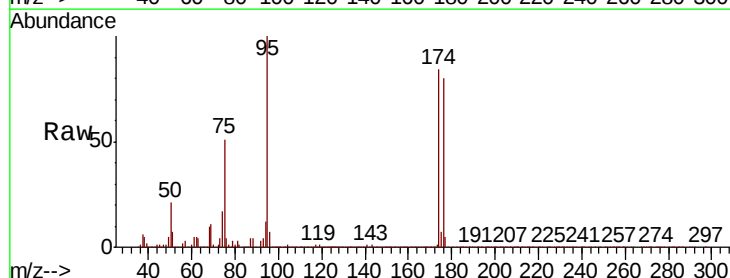
Tgt Ion: 75 Resp: 209230

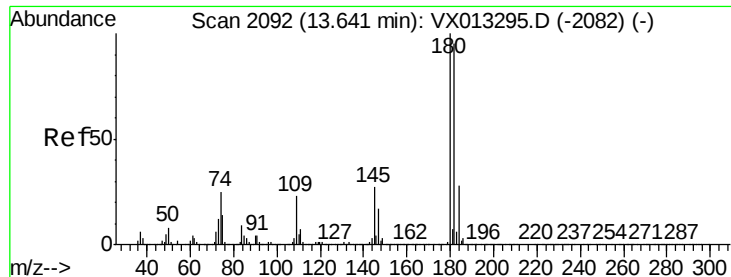
Ion Ratio Lower Upper

75 100

53 0.6 81.0 121.6#

89 0.0 36.0 54.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.217 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

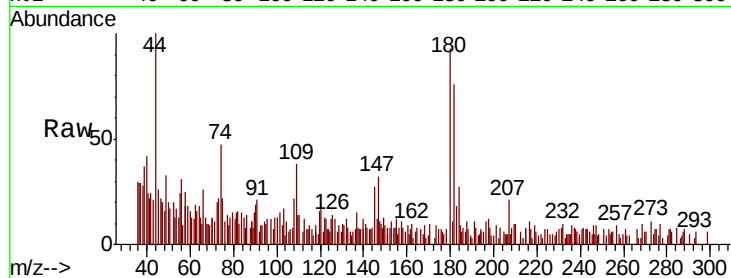
Tot Ion:180 Resp: 2060

Ion Ratio Lower Upper

180 100

182 96.1 48.4 145.0

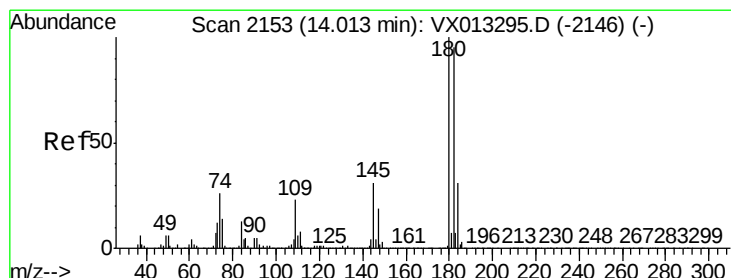
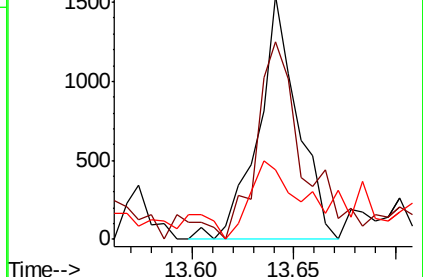
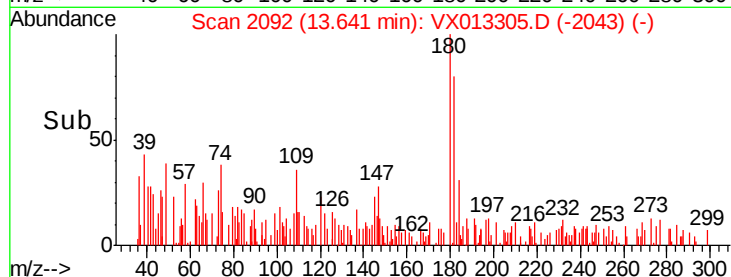
145 41.5 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#96

1,2,3-Trichlorobenzene

Concen: 0.235 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX013305.D

Acq: 01 Nov 2019 12:47

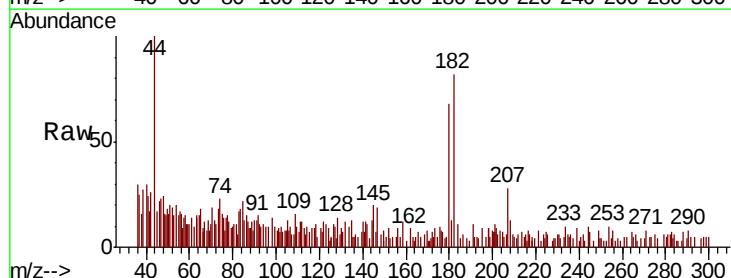
Tgt Ion:180 Resp: 2231

Ion Ratio Lower Upper

180 100

182 97.1 48.0 144.2

145 21.3 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

