

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015884.D
 Acq On : 23 Apr 2020 12:52
 Operator : JC/SP
 Sample : L2385-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-200421

Quant Time: Apr 24 03:28:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	845284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1286528	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1259099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	680193	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	472900	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
35) Dibromofluoromethane	5.47	113	376417	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
50) Toluene-d8	8.70	98	1527951	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.12	95	646918	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	

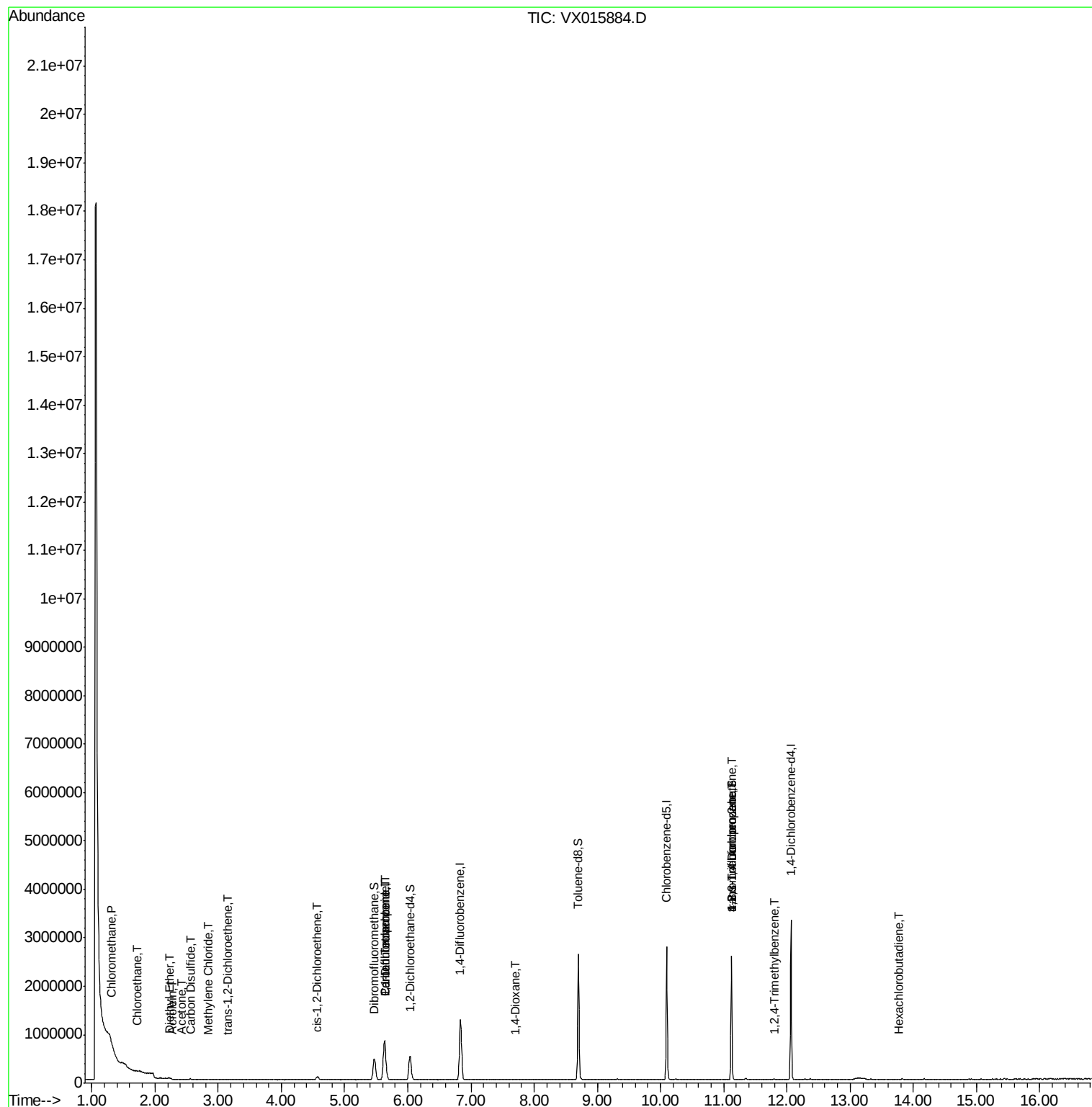
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1691	0.228	ug/l	99
6) Chloroethane	1.72	64	1286	0.263	ug/l #	63
8) Diethyl Ether	2.23	74	963	0.223	ug/l	96
13) Acrolein	2.28	56	634	0.545	ug/l #	1
16) Acetone	2.42	43	9901	2.365	ug/l #	78
17) Carbon Disulfide	2.56	76	15813	0.588	ug/l	96
20) Methylene Chloride	2.83	84	1911	0.225	ug/l #	69
21) trans-1,2-Dichloroethene	3.14	96	2138	0.260	ug/l #	59
27) cis-1,2-Dichloroethene	4.57	96	39864	4.275	ug/l	89
36) 1,1-Dichloropropene	5.64	75	54421	4.772	ug/l #	52
38) Carbon Tetrachloride	5.64	117	74880	6.665	ug/l #	16
49) 1,4-Dioxane	7.70	88	129	0.606	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	318103	24.594	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	318688	59.269	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.79	105	8049	0.210	ug/l	93
94) Hexachlorobutadiene	13.77	225	1572	0.217	ug/l	94

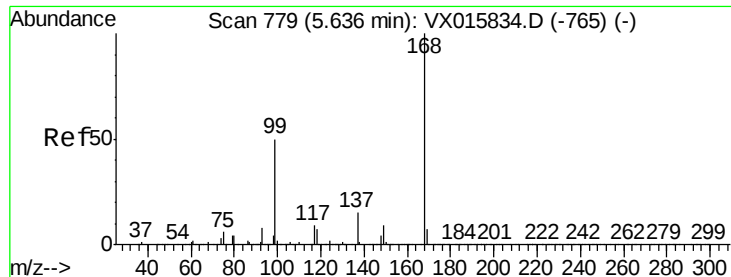
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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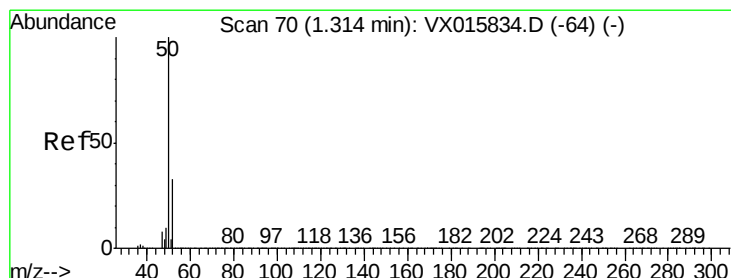
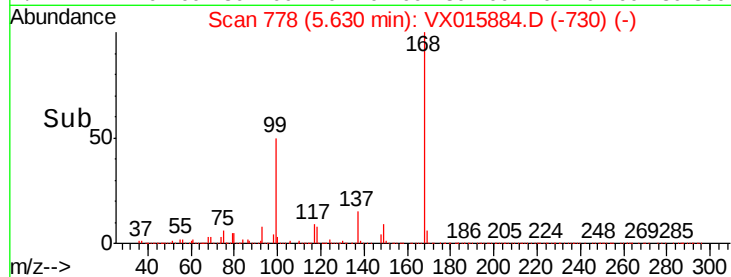
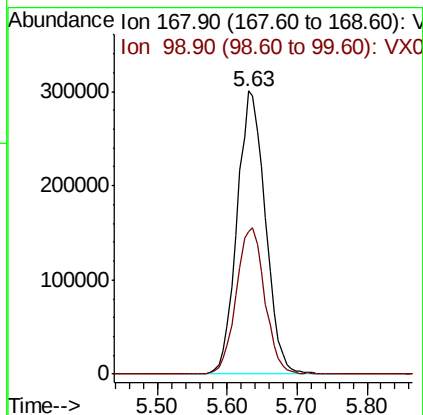
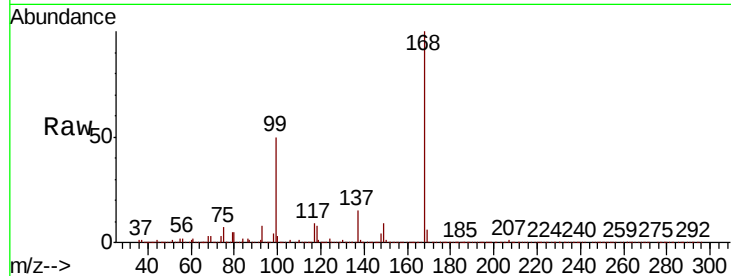


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: VX015884.D
 Acq: 23 Apr 2020 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-200421

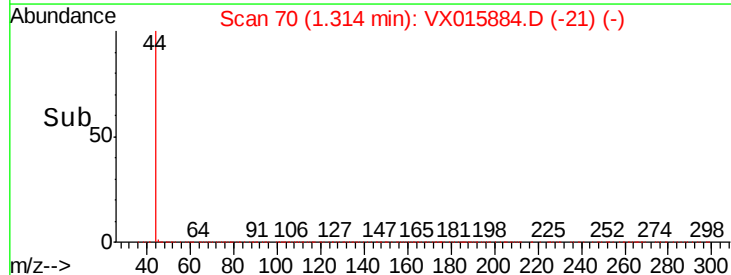
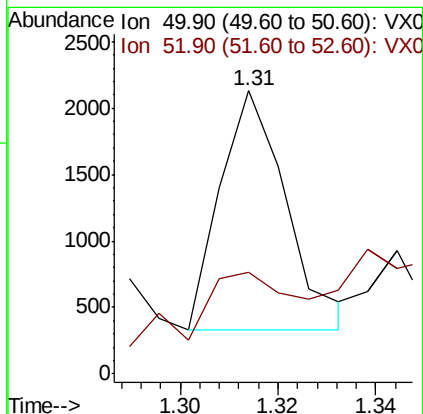
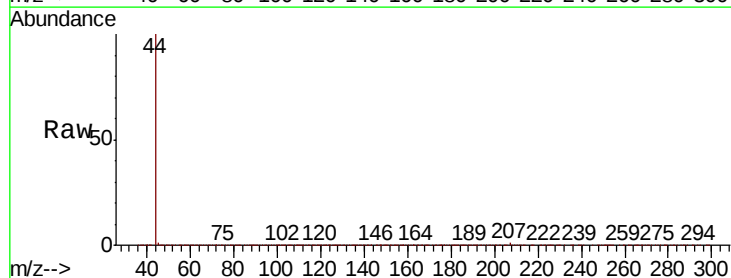
Tot Ion:168 Resp: 845284
 Ion Ratio Lower Upper
 168 100
 99 50.2 40.3 60.5

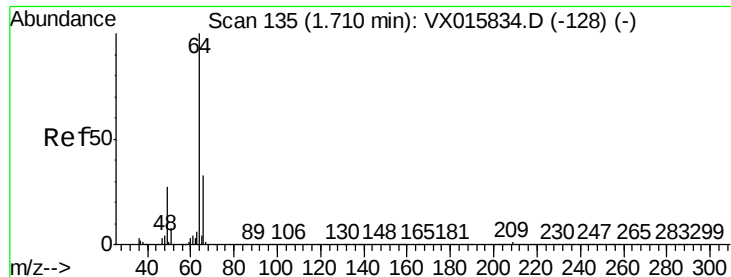


#3

Chloromethane
 Concen: 0.228 ug/l
 RT: 1.31 min Scan# 70
 Delta R.T. 0.00 min
 Lab File: VX015884.D
 Acq: 23 Apr 2020 12:52

Tgt Ion: 50 Resp: 1691
 Ion Ratio Lower Upper
 50 100
 52 32.0 26.2 39.4





#6

Chloroethane

Concen: 0.263 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

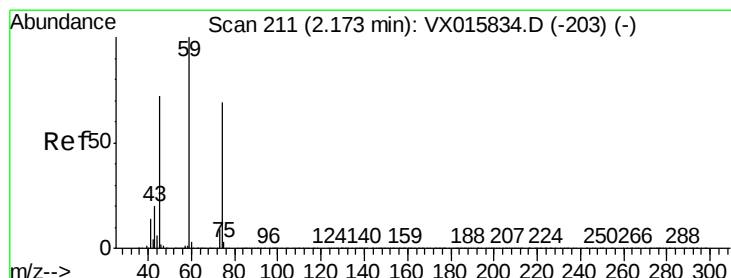
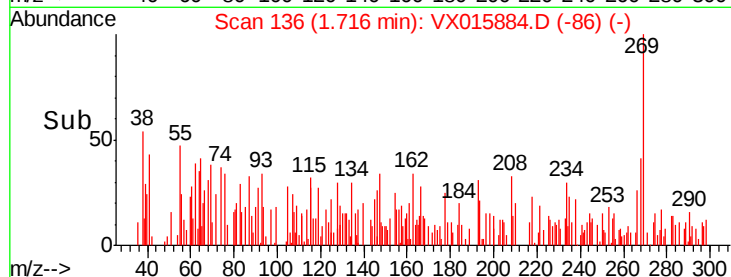
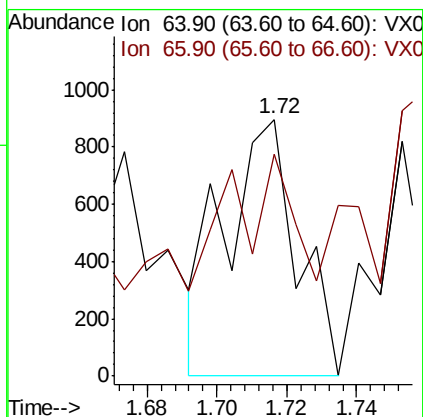
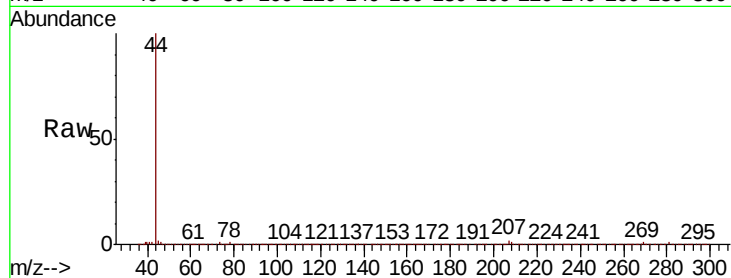
OUTFALL001-200421

Tot Ion: 64 Resp: 1286

Ion Ratio Lower Upper

64 100

66 53.4 26.2 39.2#



#8

Diethyl Ether

Concen: 0.223 ug/l

RT: 2.23 min Scan# 221

Delta R.T. 0.06 min

Lab File: VX015884.D

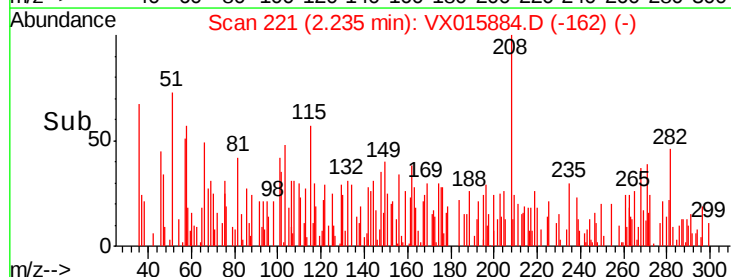
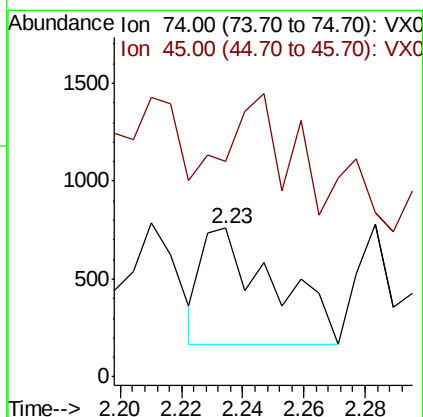
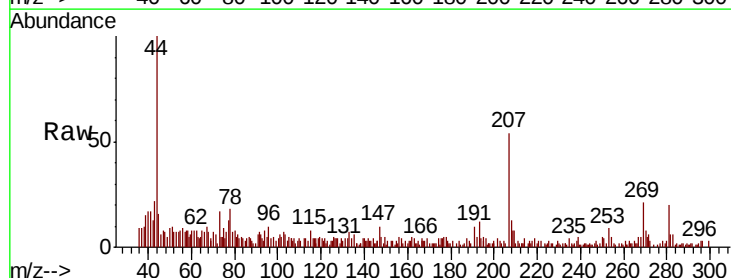
Acq: 23 Apr 2020 12:52

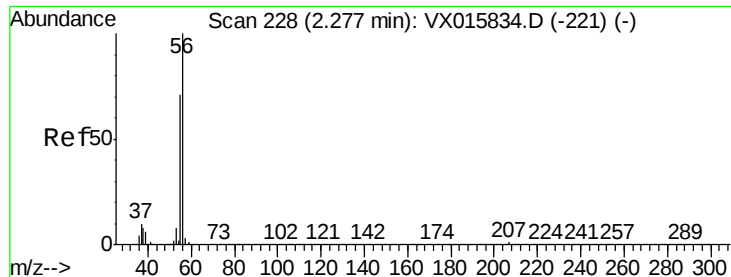
Tgt Ion: 74 Resp: 963

Ion Ratio Lower Upper

74 100

45 111.9 53.8 161.4





#13

Acrolein

Concen: 0.545 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

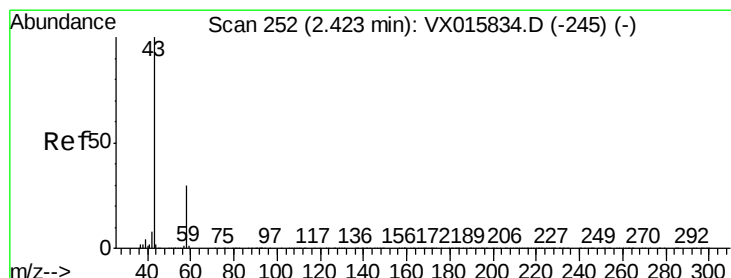
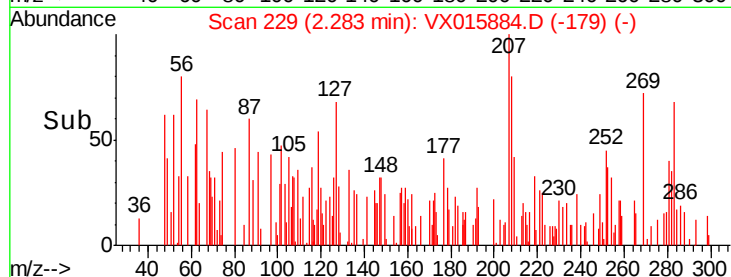
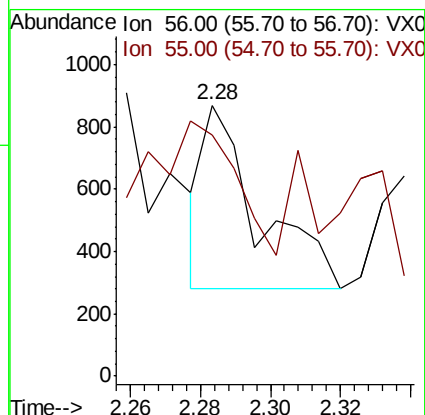
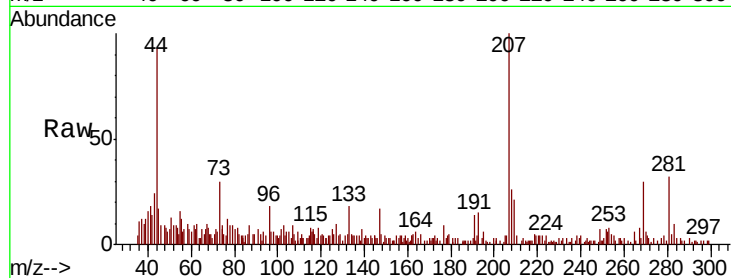
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Tot Ion: 56 Resp: 634

Ion Ratio Lower Upper

56 100

55 160.6 56.1 84.1#



#16

Acetone

Concen: 2.365 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015884.D

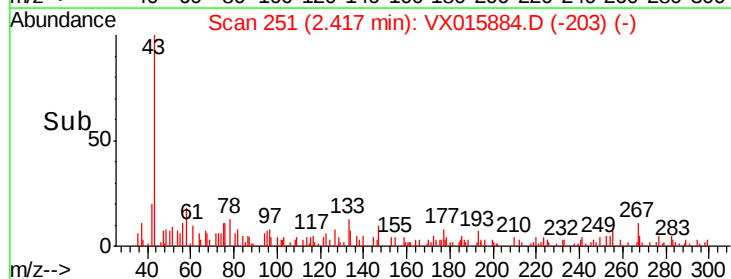
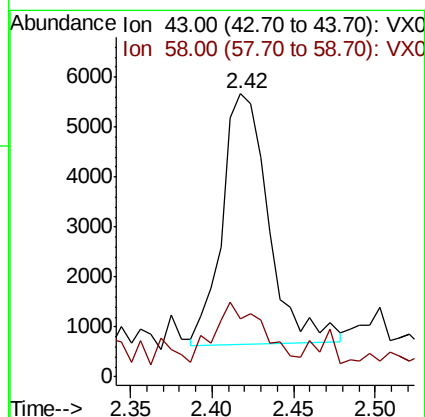
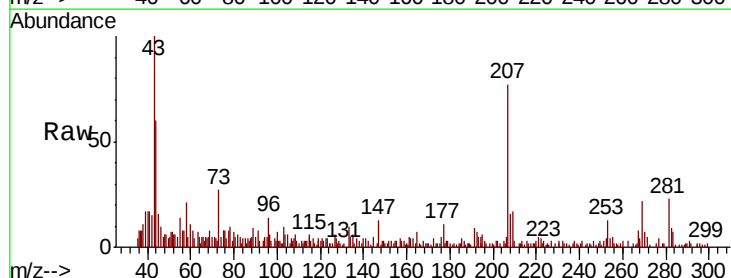
Acq: 23 Apr 2020 12:52

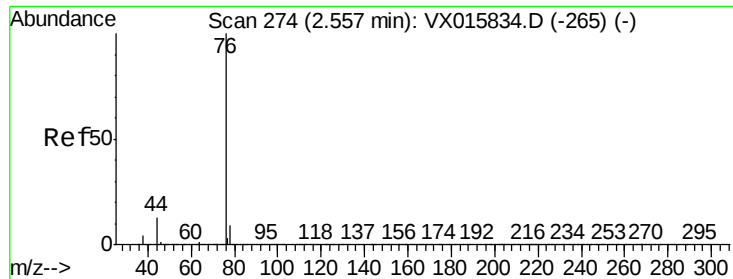
Tgt Ion: 43 Resp: 9901

Ion Ratio Lower Upper

43 100

58 18.2 24.0 36.0#

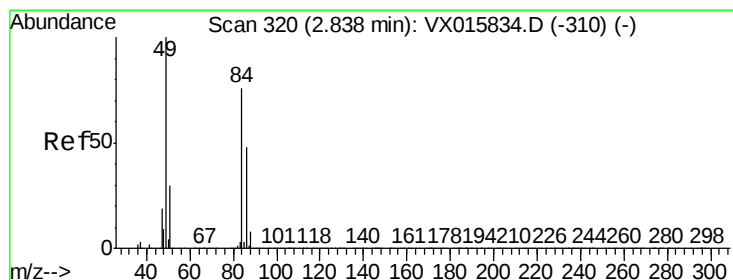
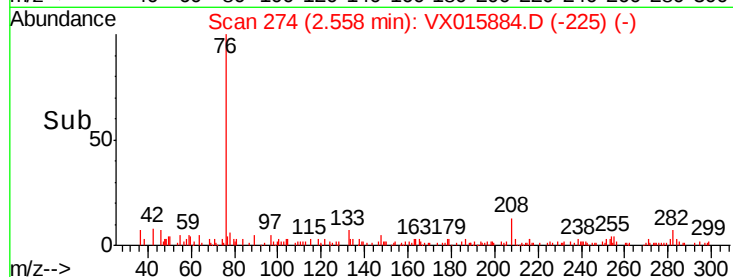
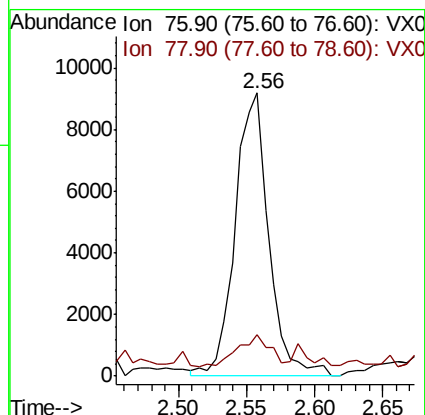
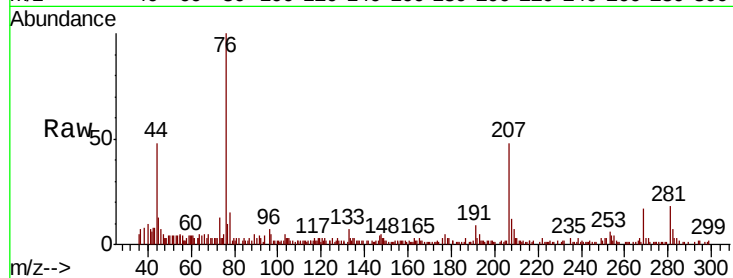




#17
Carbon Disulfide
Concen: 0.588 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX015884.D
Acq: 23 Apr 2020 12:52

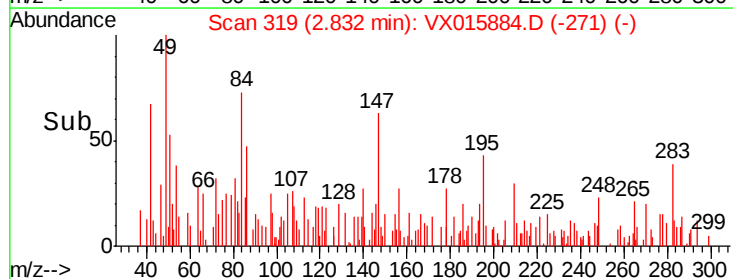
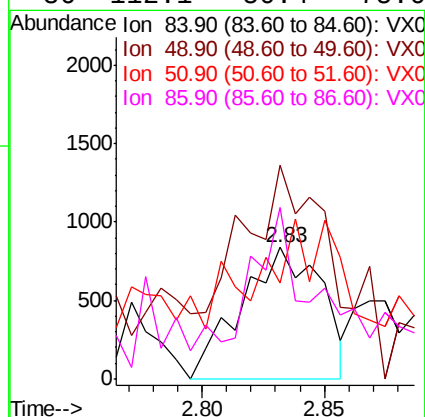
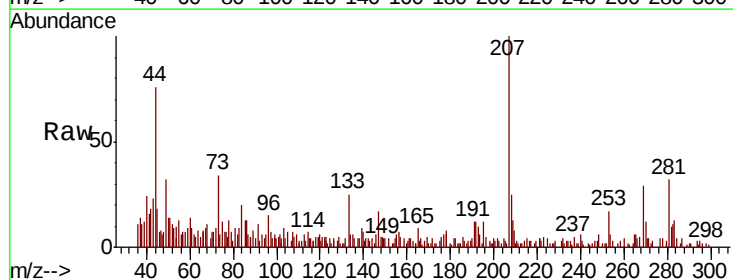
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-200421

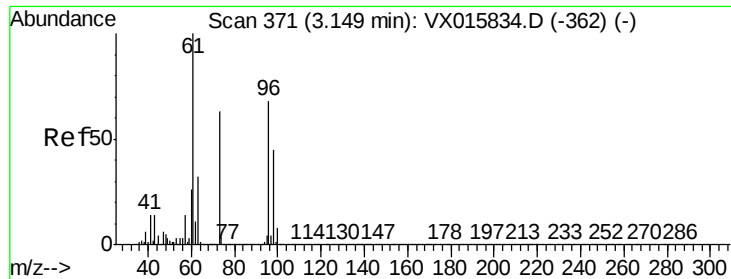
Tot Ion: 76 Resp: 15813
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.2



#20
Methylene Chloride
Concen: 0.225 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.01 min
Lab File: VX015884.D
Acq: 23 Apr 2020 12:52

Tgt Ion: 84 Resp: 1911
Ion Ratio Lower Upper
84 100
49 143.9 104.9 157.3
51 11.8 32.0 48.0#
86 112.1 50.4 75.6#





#21

trans-1,2-Dichloroethene

Concen: 0.260 ug/l

RT: 3.14 min Scan# 370

Delta R.T. -0.01 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-200421

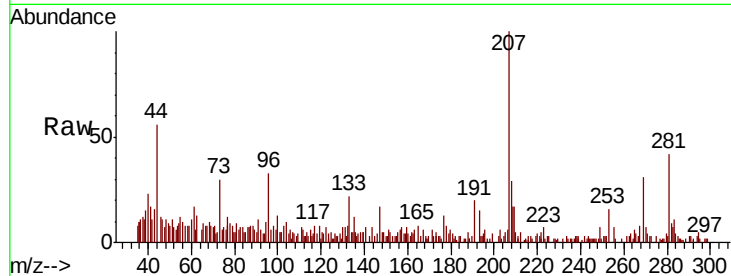
Tot Ion: 96 Resp: 2138

Ion Ratio Lower Upper

96 100

61 113.6 117.5 176.3#

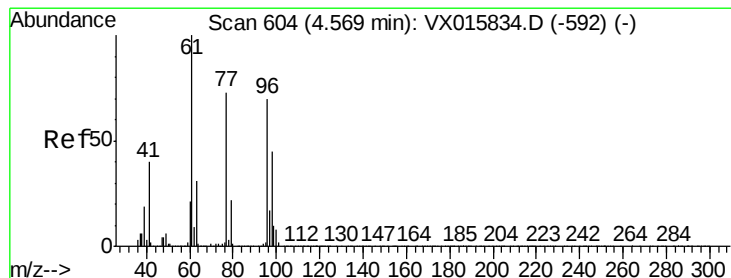
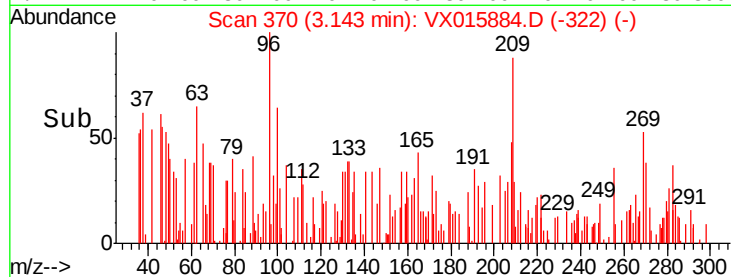
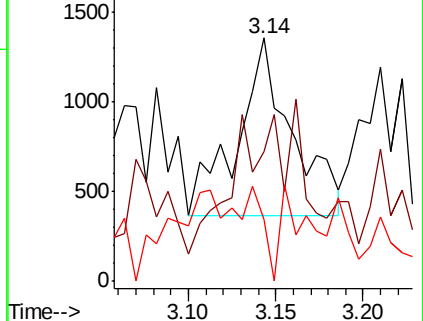
98 6.8 52.7 79.1#



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: 4.275 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

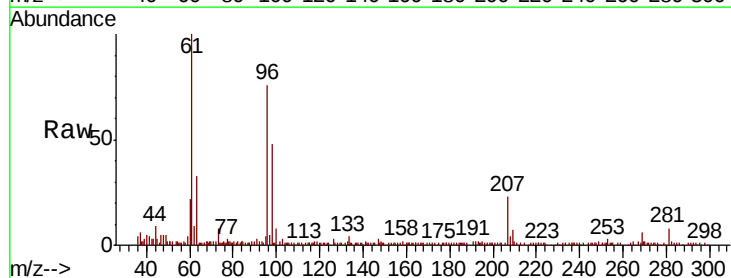
Tgt Ion: 96 Resp: 39864

Ion Ratio Lower Upper

96 100

61 131.5 0.0 299.4

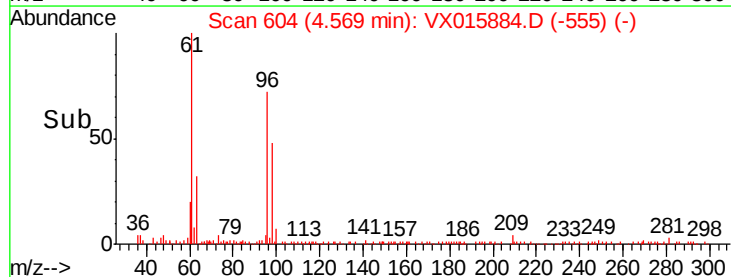
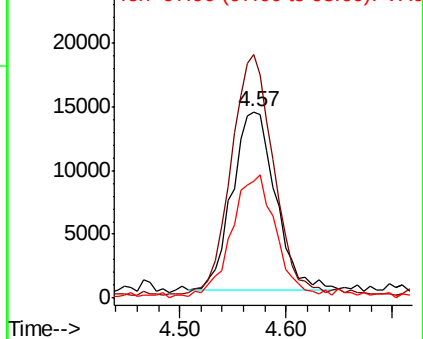
98 67.1 0.0 129.6

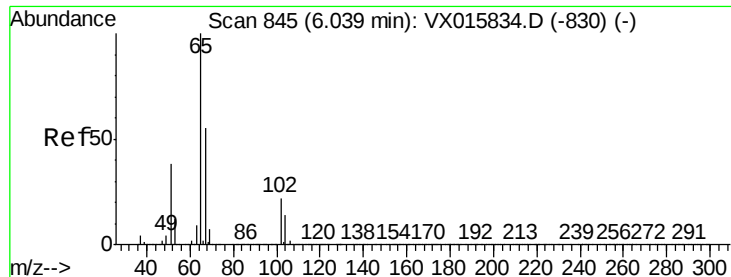


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.189 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.01 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

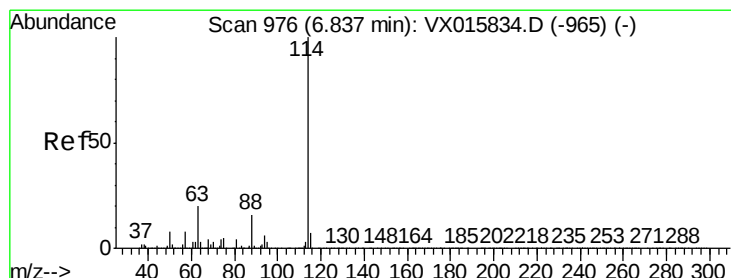
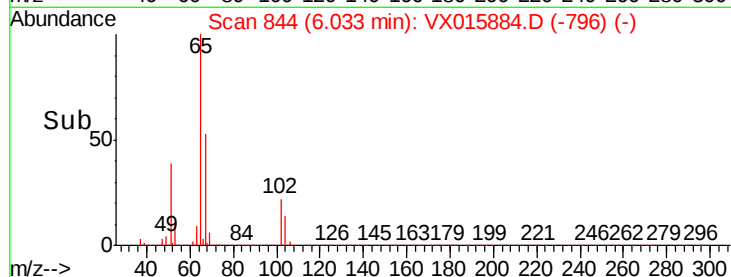
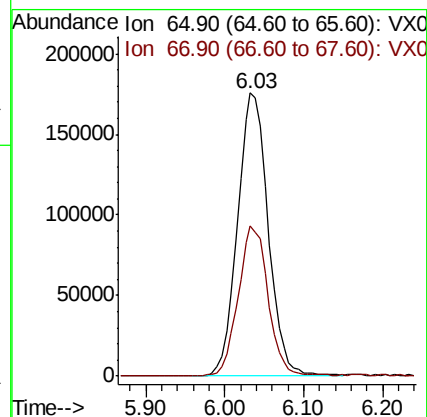
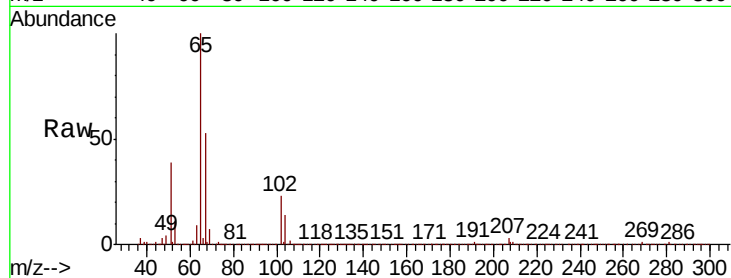
OUTFALL001-200421

Tot Ion: 65 Resp: 472900

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

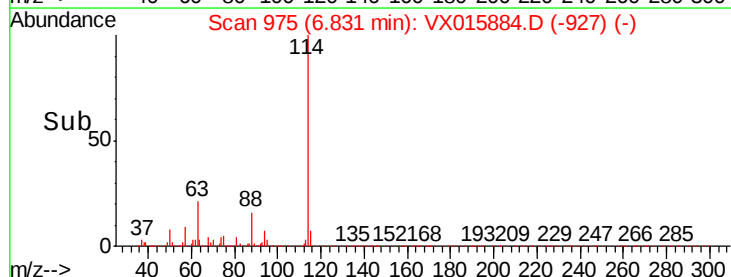
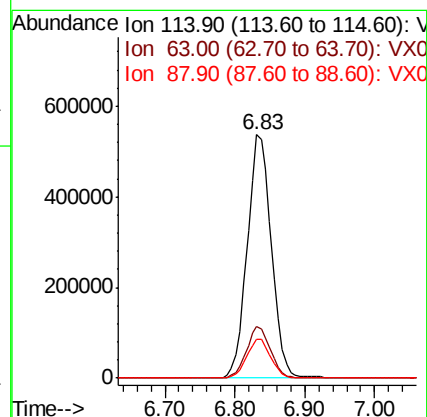
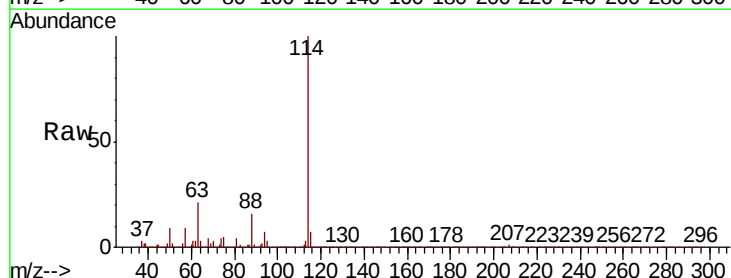
Tgt Ion: 114 Resp: 1286528

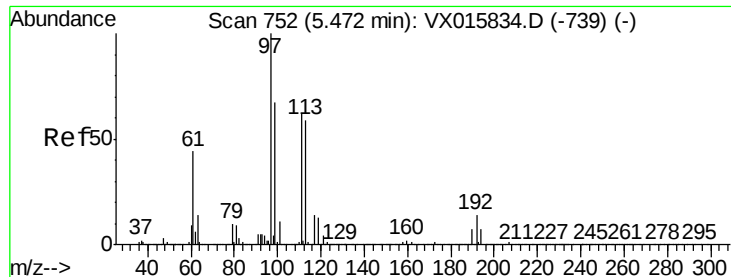
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.6

88 16.0 0.0 32.8

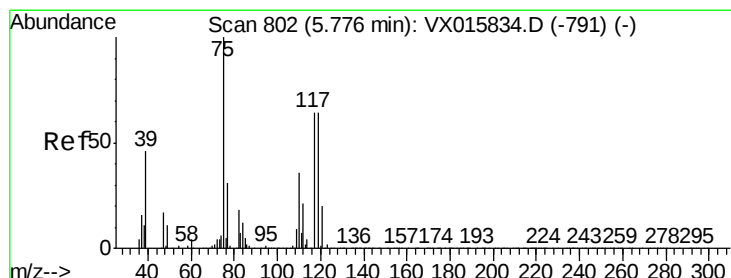
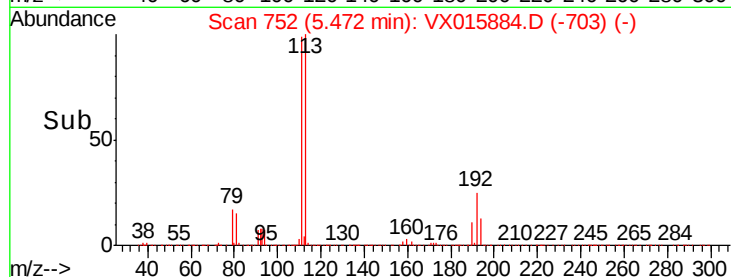
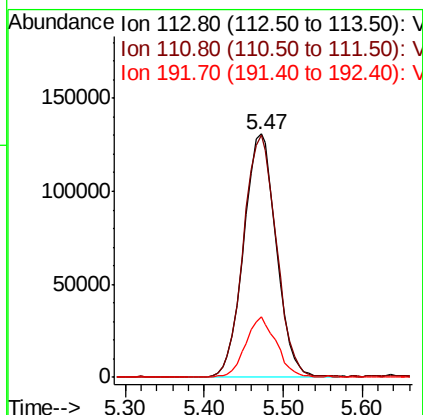
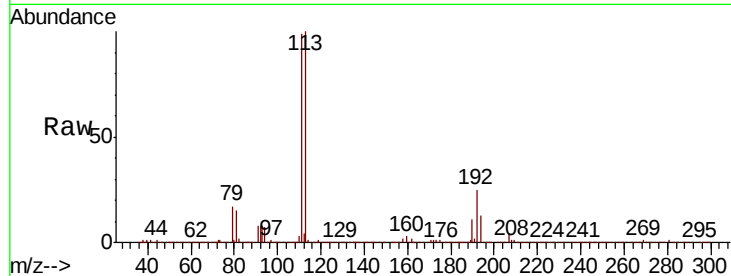




#35
 Dibromofluoromethane
 Concen: 50.688 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015884.D
 Acq: 23 Apr 2020 12:52

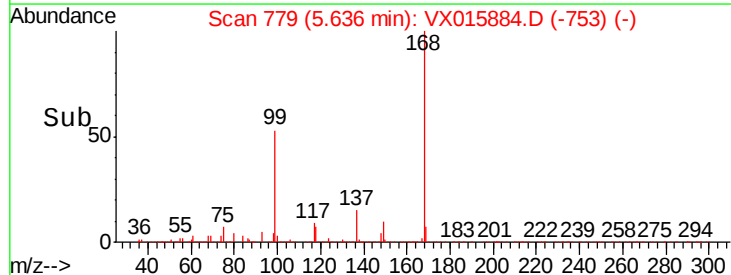
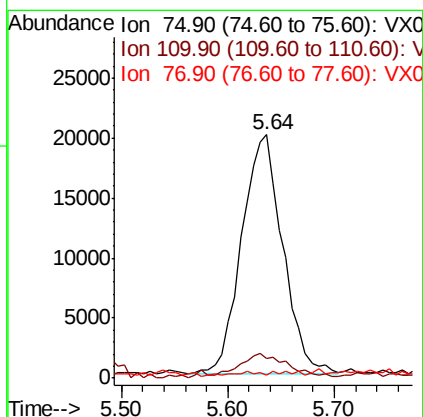
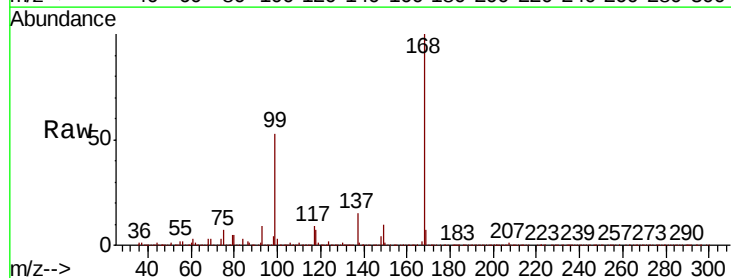
Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-200421

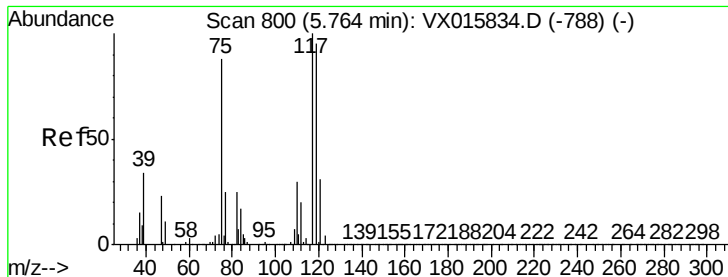
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	82.7	124.1
192	23.6	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.772 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.14 min
 Lab File: VX015884.D
 Acq: 23 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	17.9	53.8#
77	0.2	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.665 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-200421

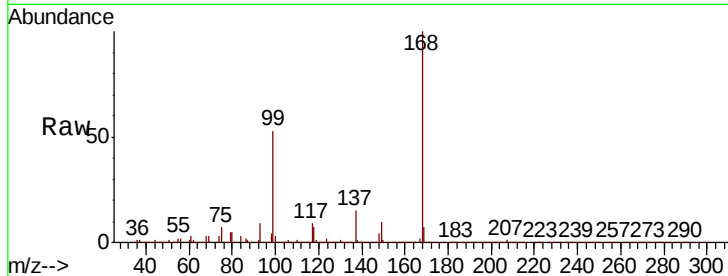
Tot Ion:117 Resp: 74880

Ion Ratio Lower Upper

117 100

119 4.4 75.7 113.5#

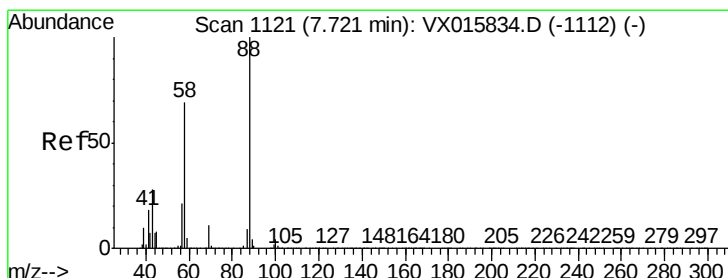
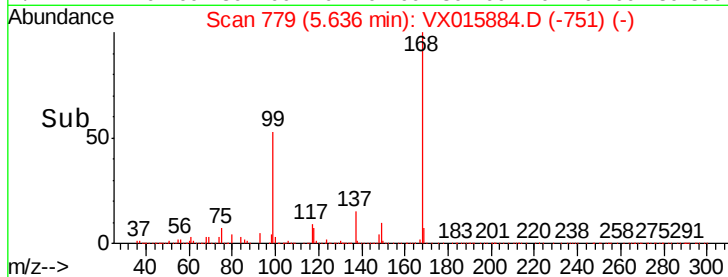
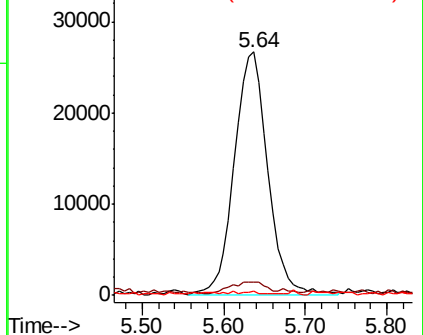
121 0.9 25.0 37.6#



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: 0.606 ug/l

RT: 7.70 min Scan# 1117

Delta R.T. -0.02 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

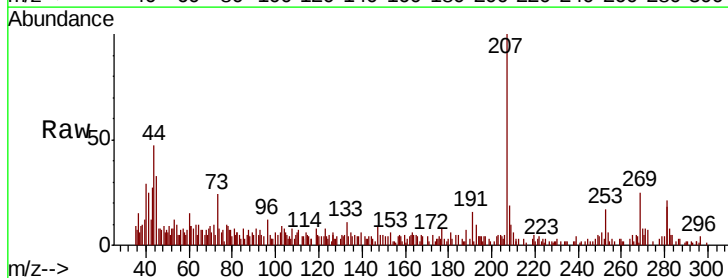
Tgt Ion: 88 Resp: 129

Ion Ratio Lower Upper

88 100

43 181.4 28.2 42.4#

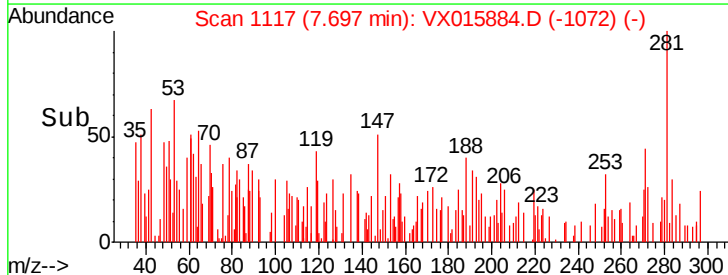
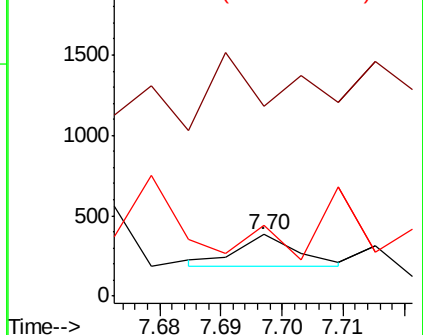
58 0.0 58.9 88.3#

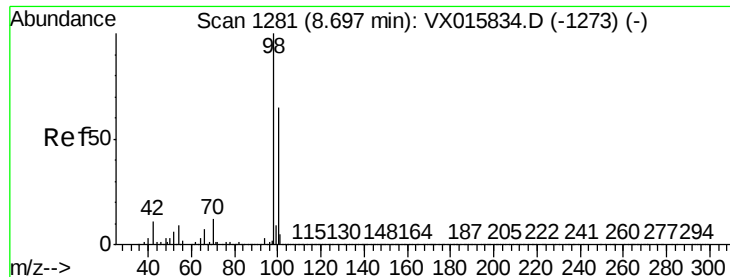


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.111 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

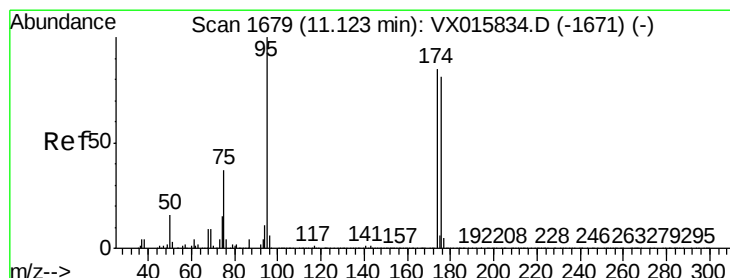
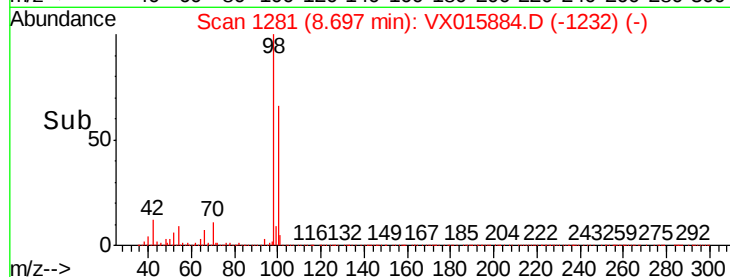
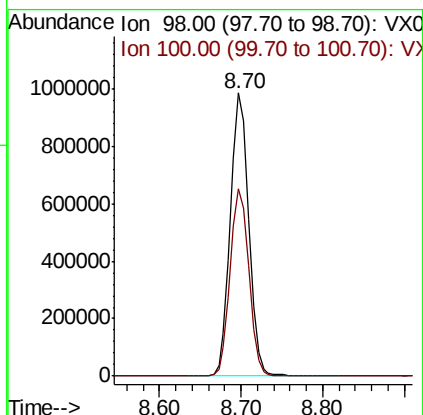
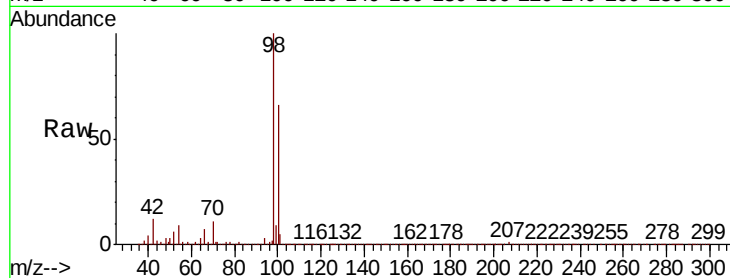
OUTFALL001-200421

Tot Ion: 98 Resp: 1527951

Ion Ratio Lower Upper

98 100

100 67.1 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 52.750 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

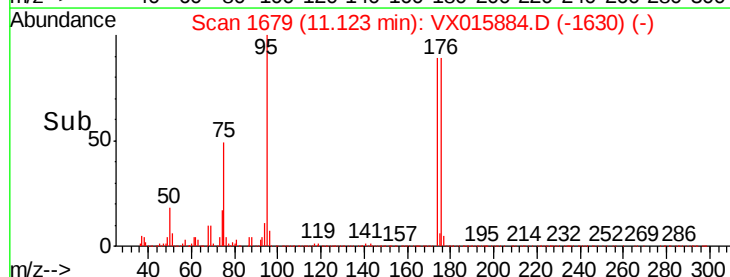
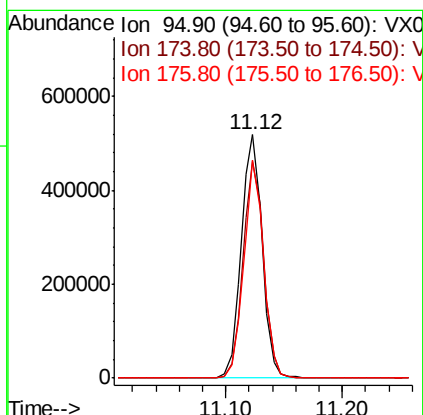
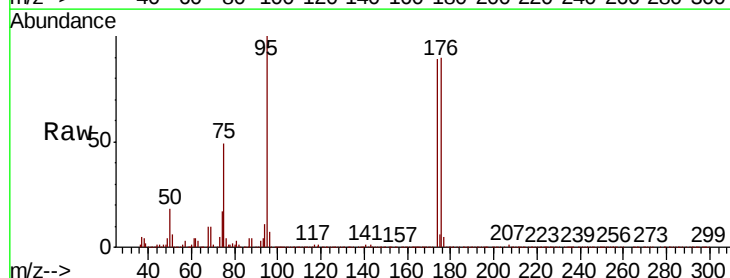
Tgt Ion: 95 Resp: 646918

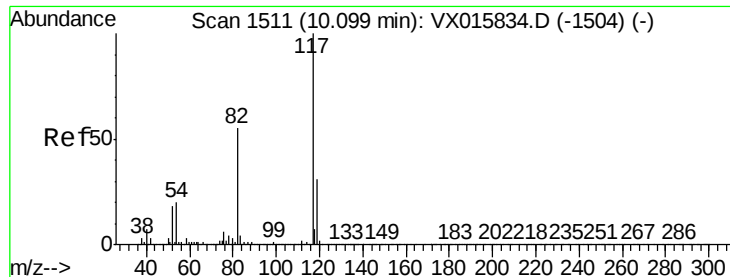
Ion Ratio Lower Upper

95 100

174 88.7 0.0 172.4

176 85.2 0.0 167.0

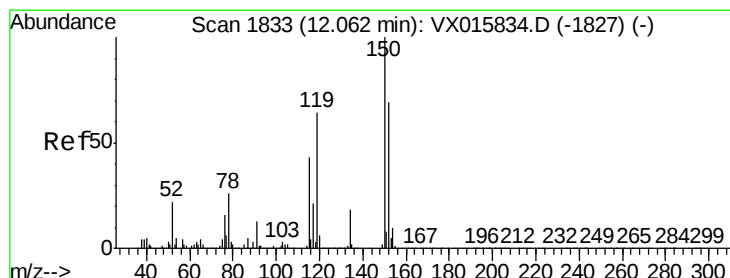
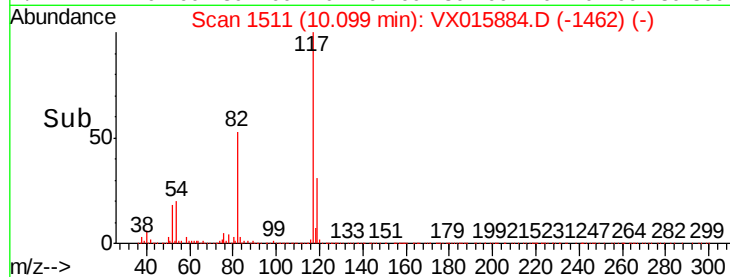
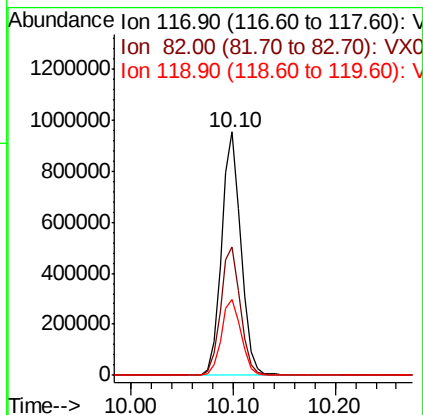
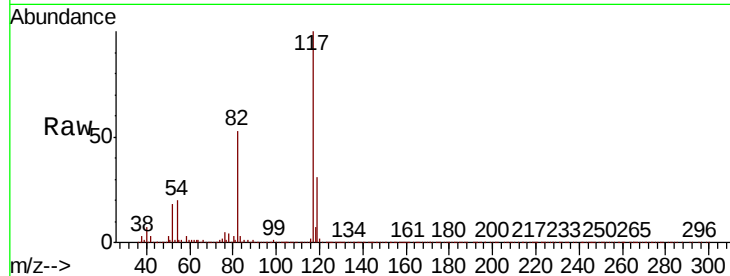




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015884.D
Acq: 23 Apr 2020 12:52

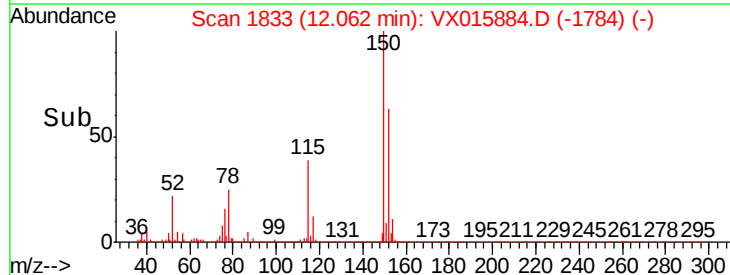
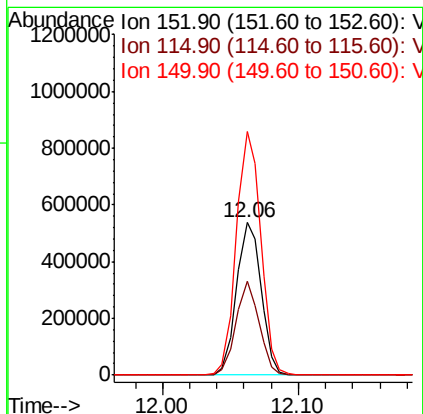
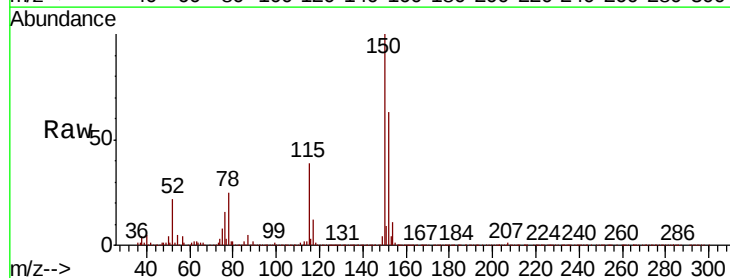
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-200421

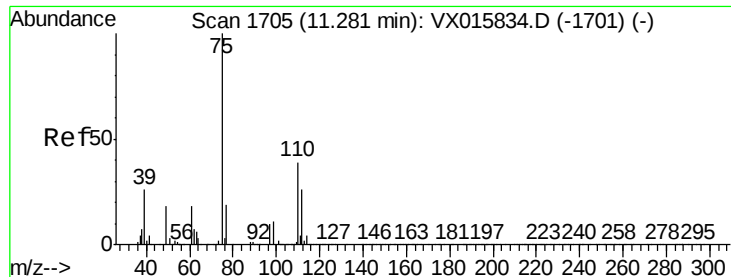
Tot Ion:117 Resp: 1259099
Ion Ratio Lower Upper
117 100
82 52.8 43.9 65.9
119 31.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015884.D
Acq: 23 Apr 2020 12:52

Tgt Ion:152 Resp: 680193
Ion Ratio Lower Upper
152 100
115 57.9 39.0 116.9
150 157.5 0.0 336.8





#76

1,2,3-Trichloropropane

Concen: 24.594 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

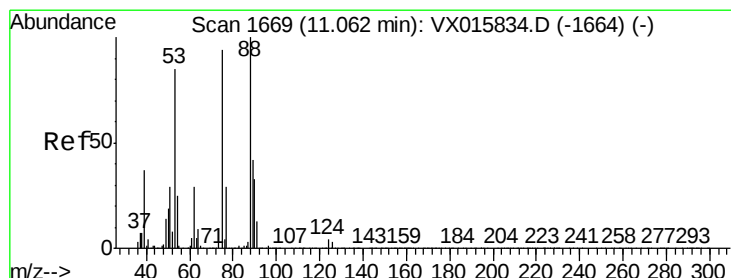
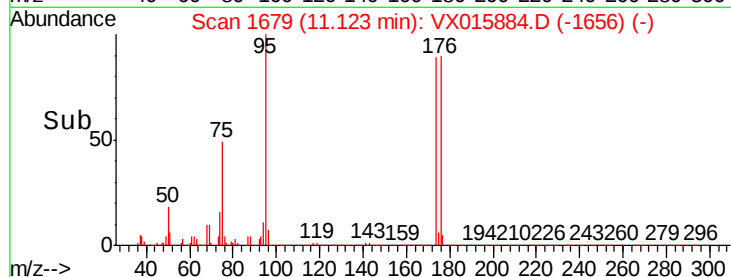
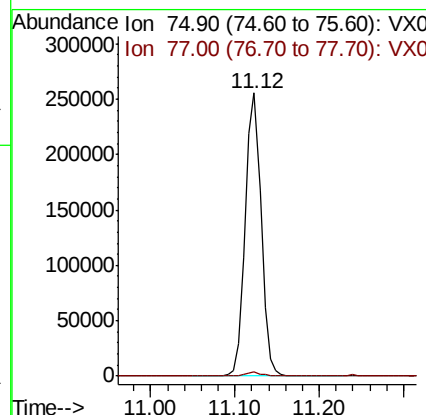
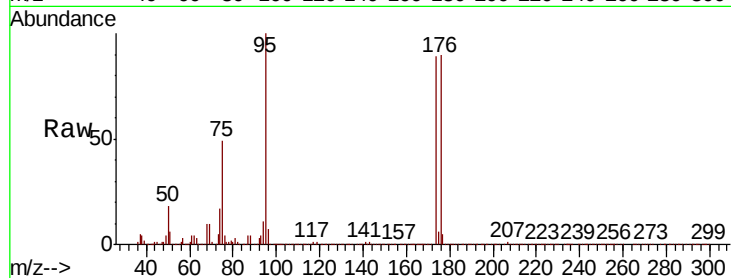
OUTFALL001-200421

Tot Ion: 75 Resp: 318103

Ion Ratio Lower Upper

75 100

77 1.4 21.3 63.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.269 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

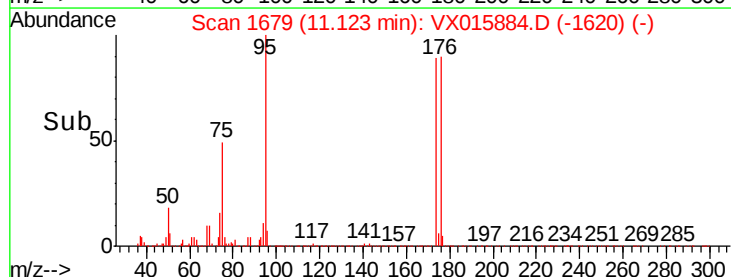
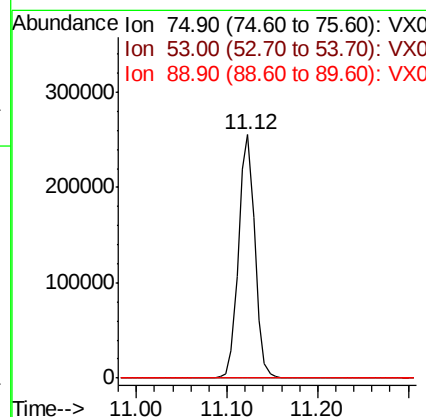
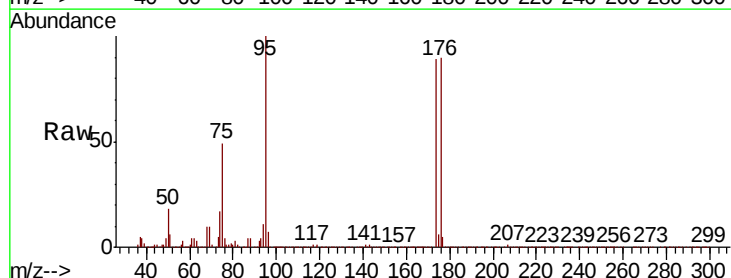
Tgt Ion: 75 Resp: 318688

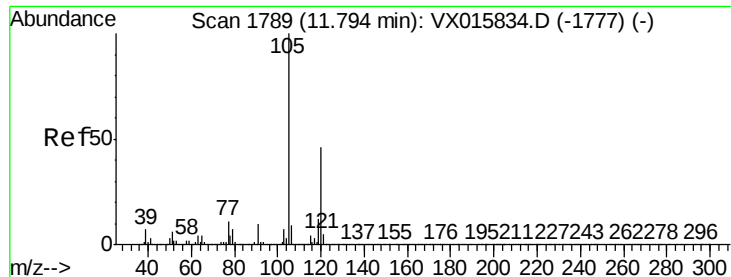
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.2#

89 0.2 38.0 57.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.210 ug/l

RT: 11.79 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

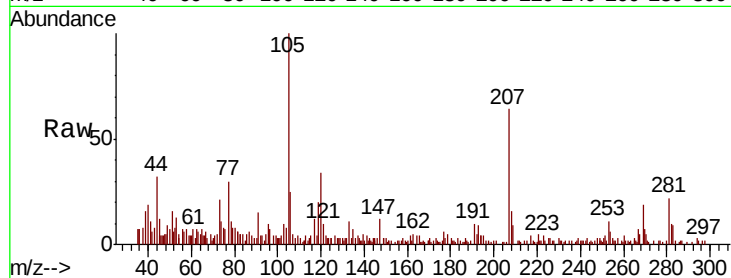
OUTFALL001-200421

Tot Ion:105 Resp: 8049

Ion Ratio Lower Upper

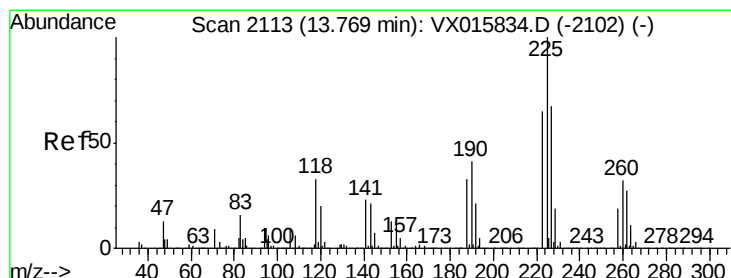
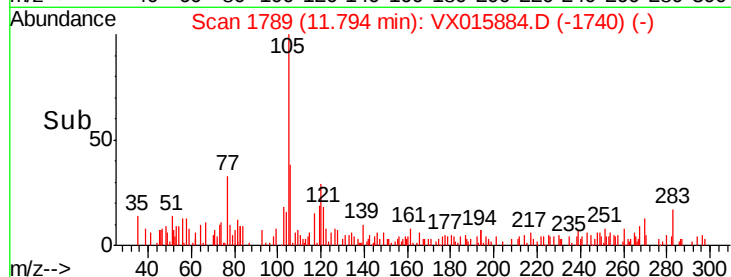
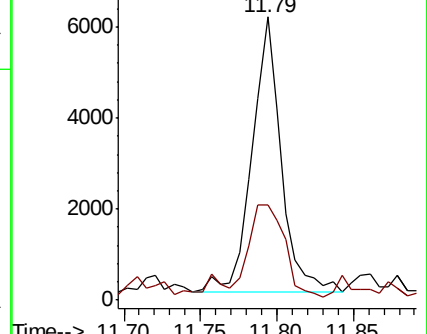
105 100

120 41.2 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#94

Hexachlorobutadiene

Concen: 0.217 ug/l

RT: 13.77 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VX015884.D

Acq: 23 Apr 2020 12:52

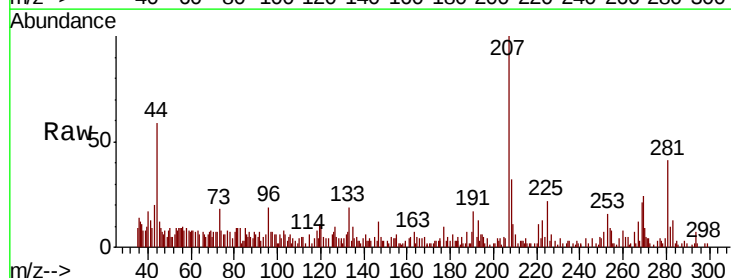
Tgt Ion:225 Resp: 1572

Ion Ratio Lower Upper

225 100

223 69.8 31.3 93.8

227 66.9 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

