

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021579.D
 Acq On : 29 Mar 2021 16:02
 Operator : JC/MD
 Sample : M1785-13 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Mar 30 03:29:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

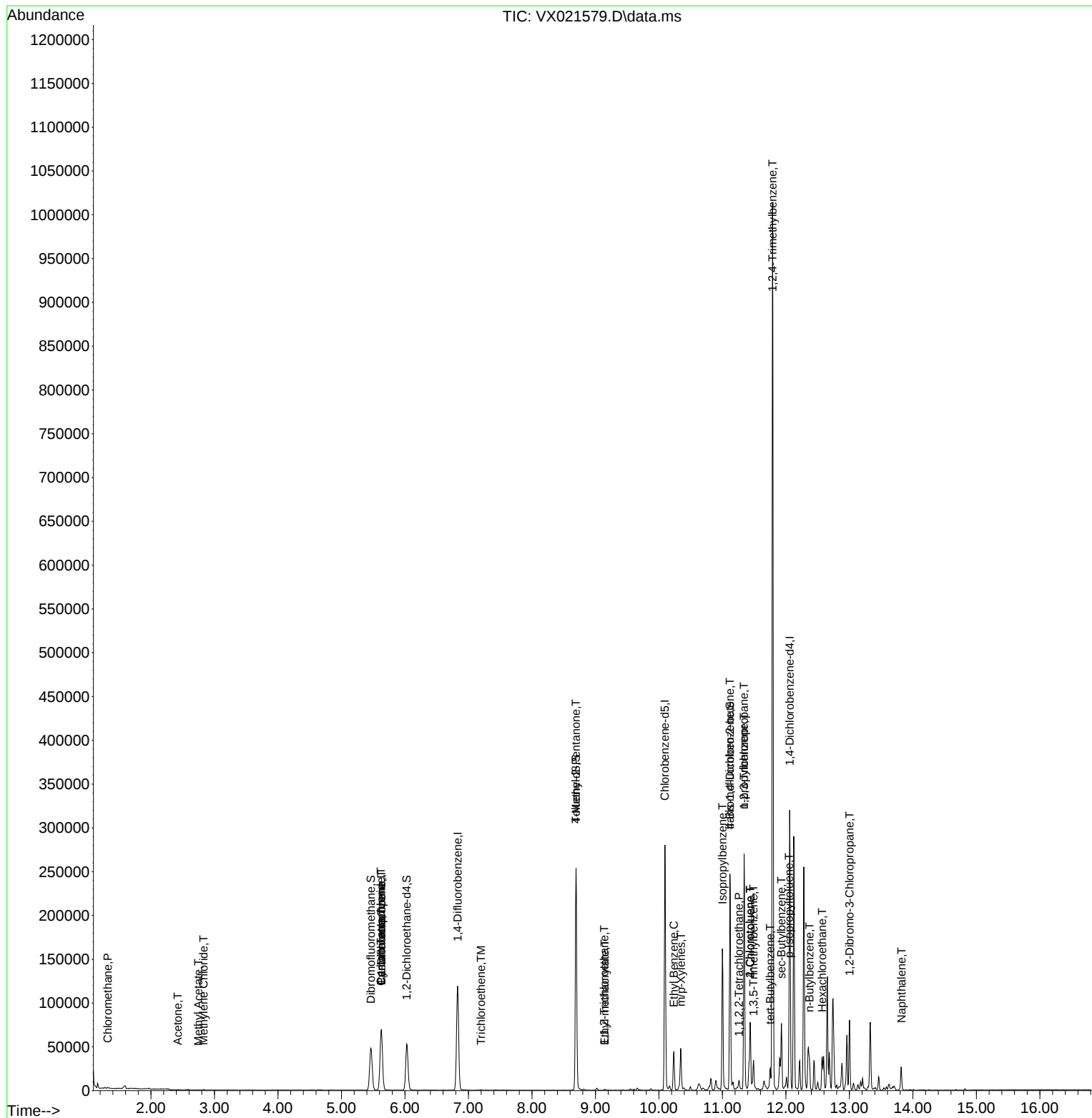
Internal Standards						
1) Pentafluorobenzene	5.629	168	59245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	110177	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	115434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	57707	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	51735	52.48	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.96%			
35) Dibromofluoromethane	5.464	113	39601	50.60	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.20%			
50) Toluene-d8	8.694	98	142625	51.14	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.28%			
62) 4-Bromofluorobenzene	11.118	95	64038	59.06	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.12%			
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1495	2.04	ug/l	94
16) Acetone	2.423	43	437	1.17	ug/l #	85
18) Methyl Acetate	2.746	43	228	0.21	ug/l #	47
20) Methylene Chloride	2.829	84	214	0.29	ug/l #	77
31) Cyclohexane	5.629	56	1589	1.47	ug/l #	30
36) 1,1-Dichloropropene	5.629	75	5571	5.16	ug/l #	49
38) Carbon Tetrachloride	5.623	117	6729	5.80	ug/l #	16
44) Trichloroethene	7.200	130	178	0.22	ug/l	55
51) 4-Methyl-2-Pentanone	8.694	43	831	0.67	ug/l #	1
55) 1,1,2-Trichloroethane	9.141	97	259	0.32	ug/l #	15
56) Ethyl methacrylate	9.147	69	84	2.14	ug/l #	1
67) Ethyl Benzene	10.236	91	24185	5.72	ug/l	98
68) m/p-Xylenes	10.347	106	9459	6.28	ug/l	97
73) Isopropylbenzene	11.000	105	75339	18.58	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.259	83	523	0.37	ug/l #	26
76) 1,2,3-Trichloropropane	11.342	75	1255	0.93	ug/l #	1
78) n-propylbenzene	11.342	91	154000	32.16	ug/l	98
79) 2-Chlorotoluene	11.436	91	6010	2.07	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.489	105	12821	3.70	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.118	75	35149	79.69	ug/l #	12
82) 4-Chlorotoluene	11.436	91	6010	1.74	ug/l #	45
83) tert-Butylbenzene	11.753	119	7593	2.25	ug/l	86
84) 1,2,4-Trimethylbenzene	11.789	105	410364	117.52	ug/l	98
85) sec-Butylbenzene	11.930	105	34495	8.87	ug/l	92
86) p-Isopropyltoluene	12.048	119	5507	1.56	ug/l	87
89) n-Butylbenzene	12.371	91	16461	5.07	ug/l #	75
90) Hexachloroethane	12.571	117	1766	2.76	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	13.001	75	335	2.86	ug/l #	1
95) Naphthalene	13.818	128	15789	4.20	ug/l	99

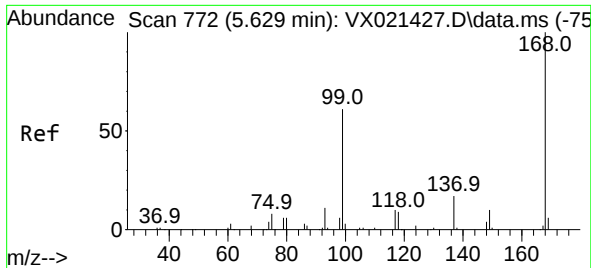
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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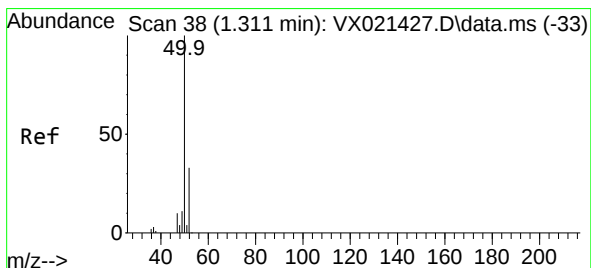
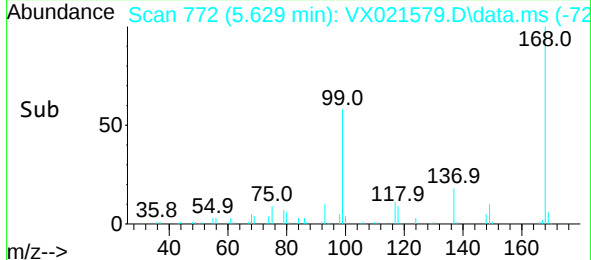
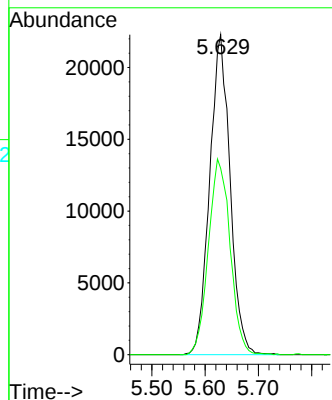
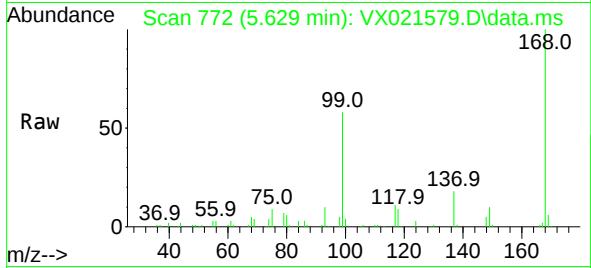




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

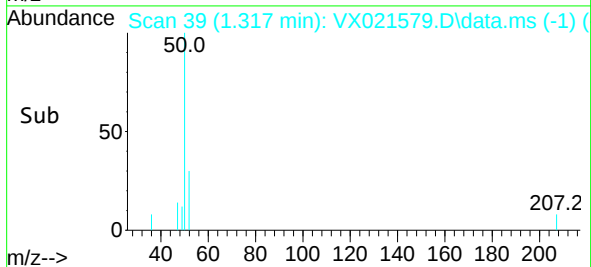
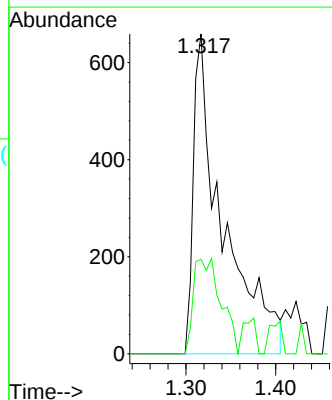
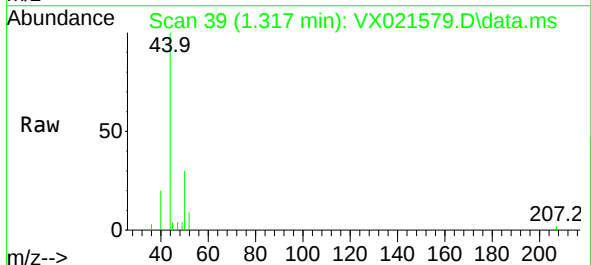
Instrument :
MSVOA_X
ClientSampleId :
MW-2

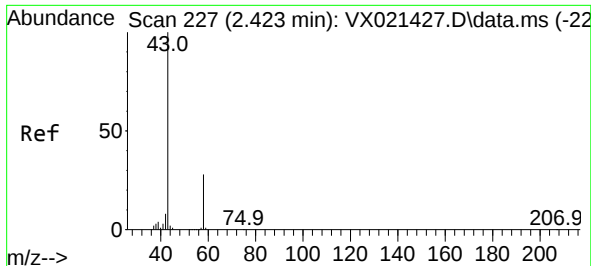
Tgt Ion:168 Resp: 59245
Ion Ratio Lower Upper
168 100
99 58.2 45.8 68.6



#3
Chloromethane
Concen: 2.04 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion: 50 Resp: 1495
Ion Ratio Lower Upper
50 100
52 29.6 26.4 39.6

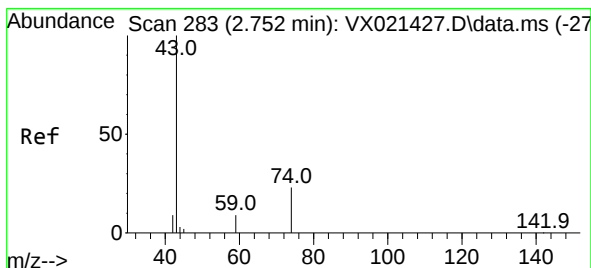
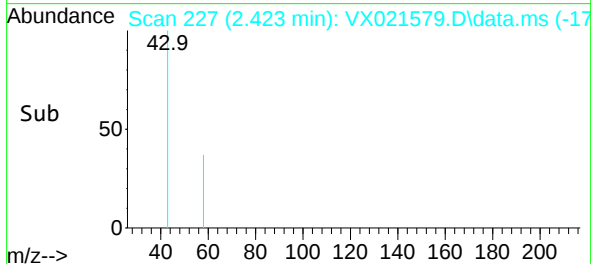
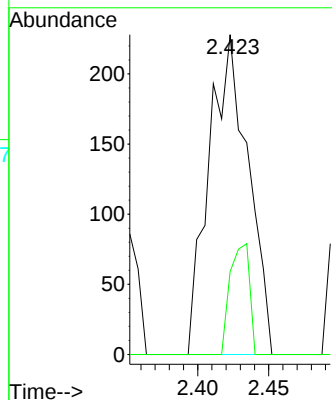
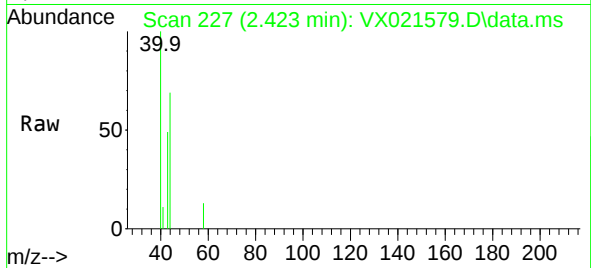




#16
Acetone
Concen: 1.17 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

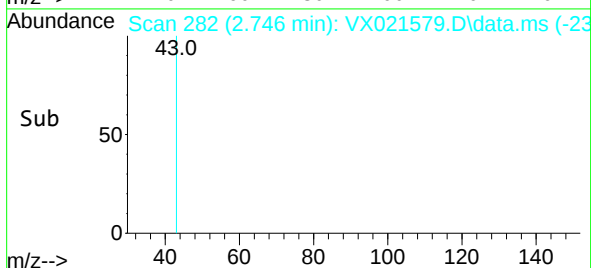
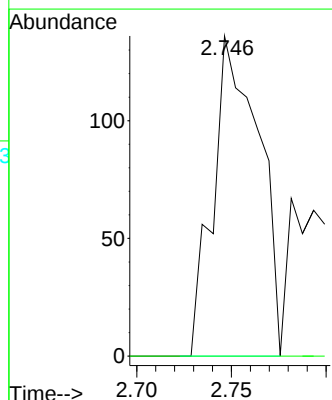
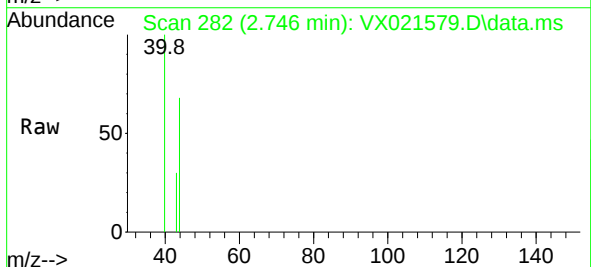
Instrument :
MSVOA_X
ClientSampleId :
MW-2

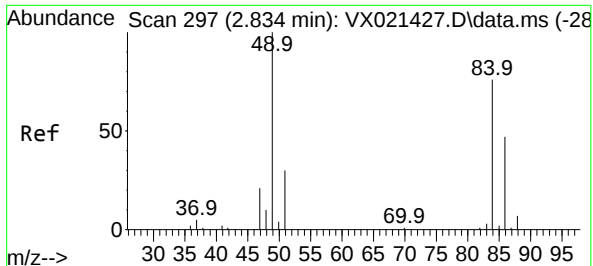
Tgt Ion: 43 Resp: 437
Ion Ratio Lower Upper
43 100
58 25.9 27.8 41.8#



#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



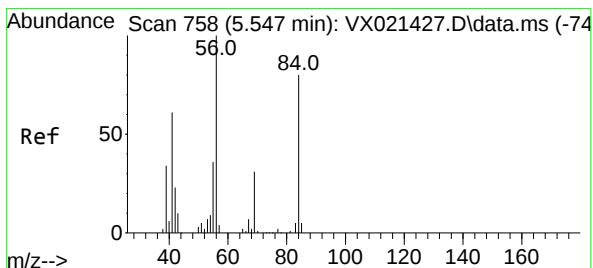
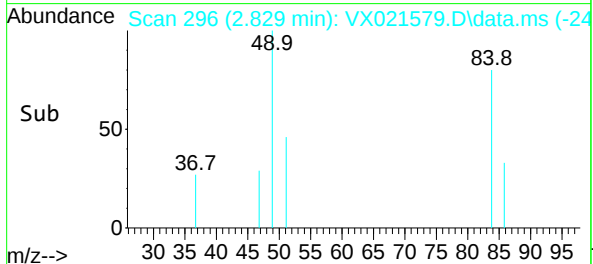
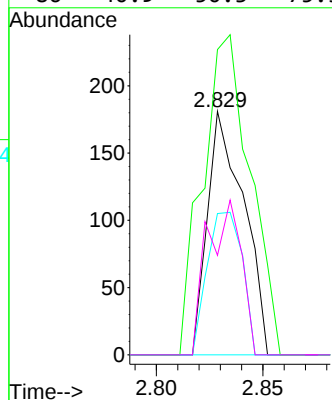
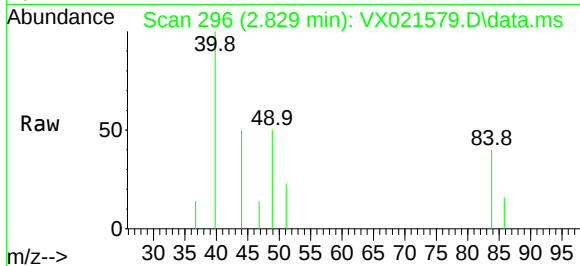


#20
Methylene Chloride
Concen: 0.29 ug/l
RT: 2.829 min Scan# 296
Delta R.T. -0.005 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tgt Ion: 84 Resp: 214

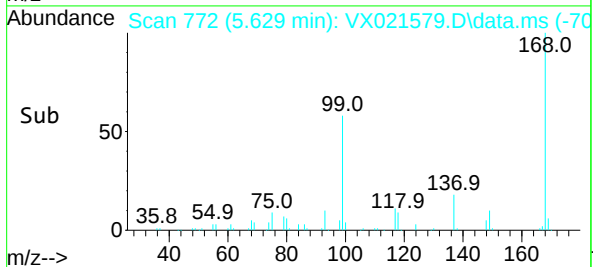
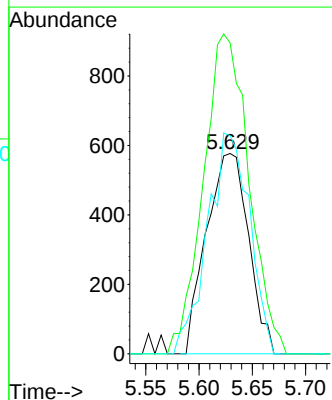
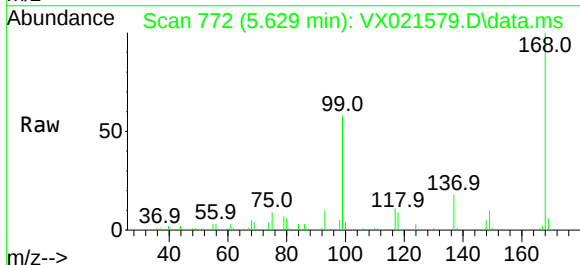
Ion	Ratio	Lower	Upper
84	100		
49	125.4	88.6	132.8
51	58.0	27.0	40.6#
86	40.9	50.3	75.5#

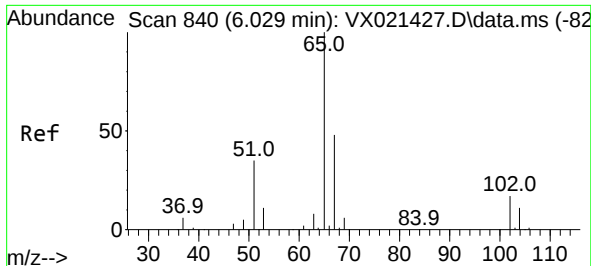


#31
Cyclohexane
Concen: 1.47 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion: 56 Resp: 1589

Ion	Ratio	Lower	Upper
56	100		
69	146.3	25.3	37.9#
84	108.8	71.4	107.0#

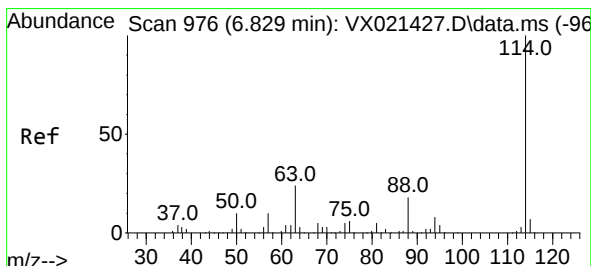
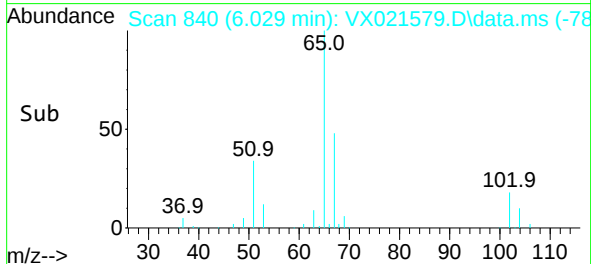
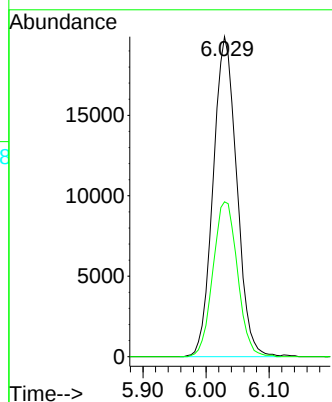
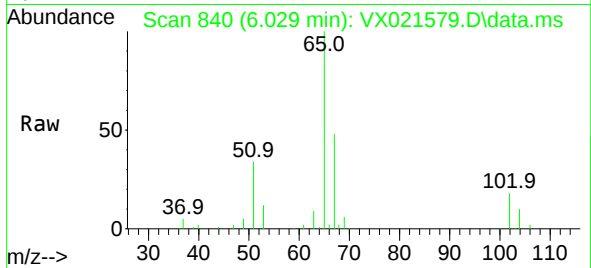




#33
1,2-Dichloroethane-d4
Concen: 52.48 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

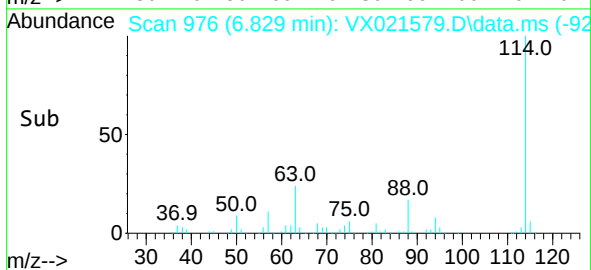
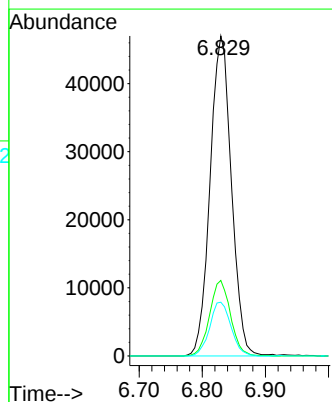
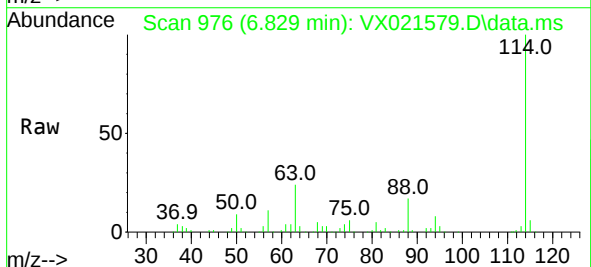
Instrument :
MSVOA_X
ClientSampled :
MW-2

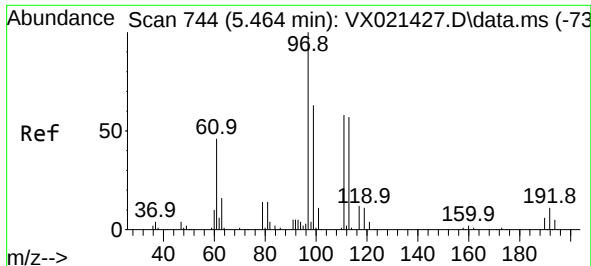
Tgt Ion: 65 Resp: 51735
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion: 114 Resp: 110177
Ion Ratio Lower Upper
114 100
63 23.6 0.0 40.8
88 16.8 0.0 32.8

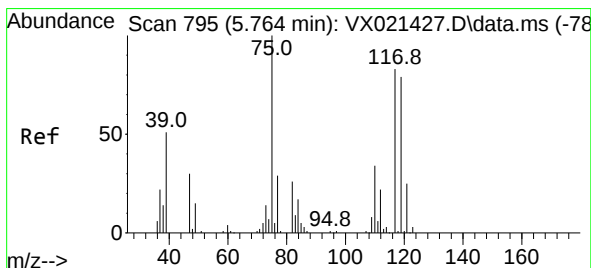
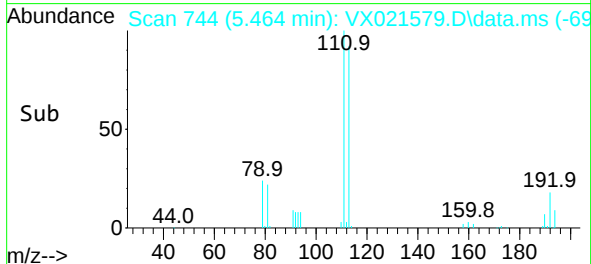
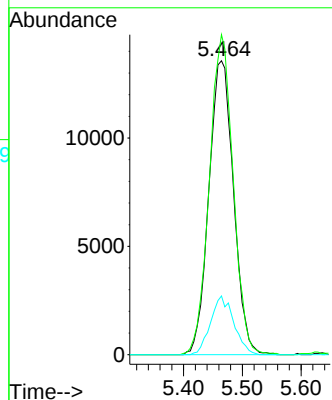
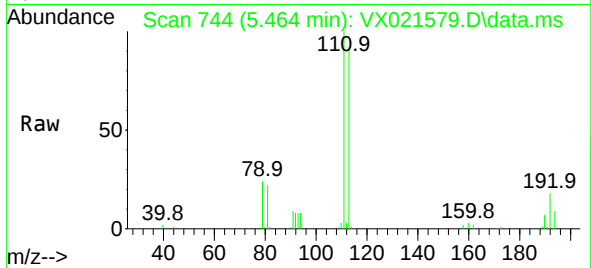




#35
Dibromofluoromethane
Concen: 50.60 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

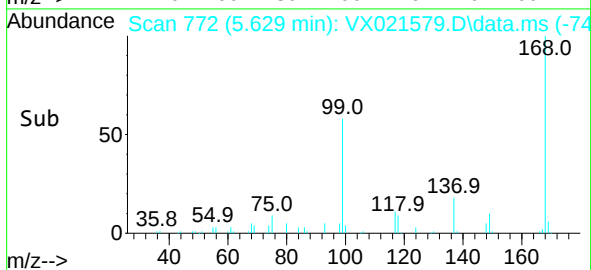
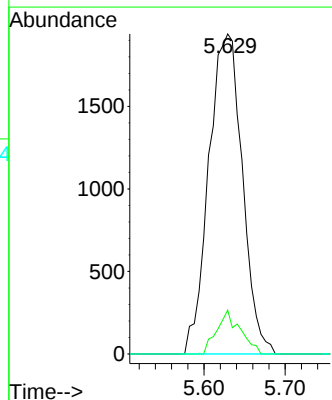
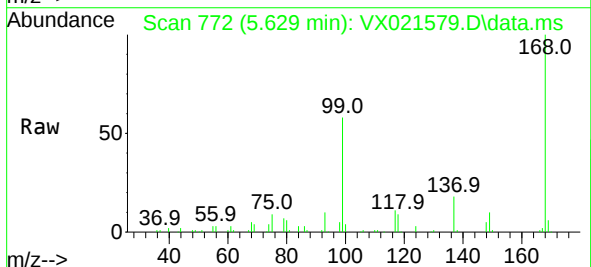
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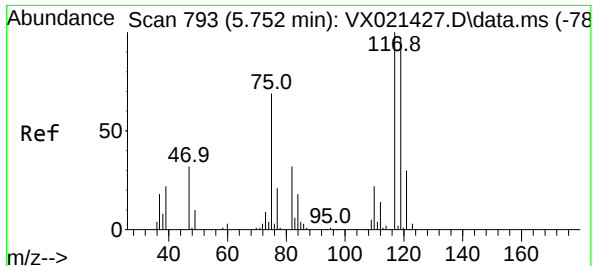
Tgt Ion:113 Resp: 39601
Ion Ratio Lower Upper
113 100
111 105.1 81.9 122.9
192 18.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.16 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

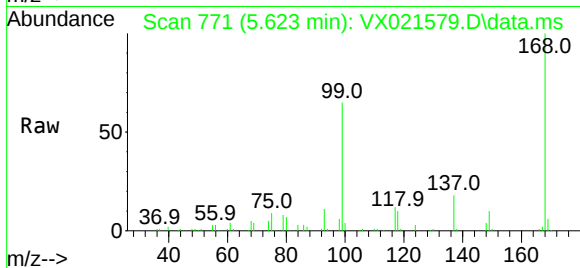
Tgt Ion: 75 Resp: 5571
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.0 25.3 37.9#



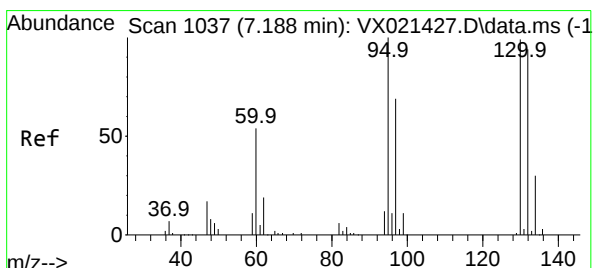
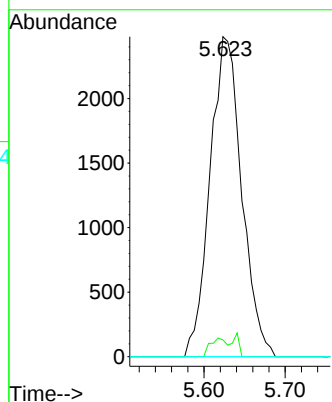
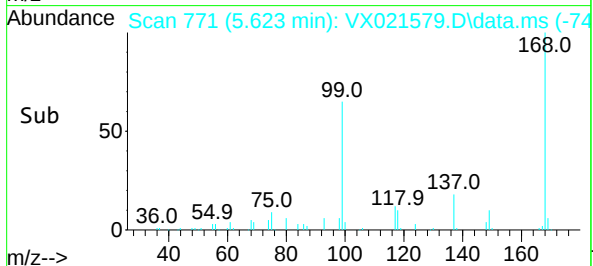


#38
Carbon Tetrachloride
Concen: 5.80 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.129 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

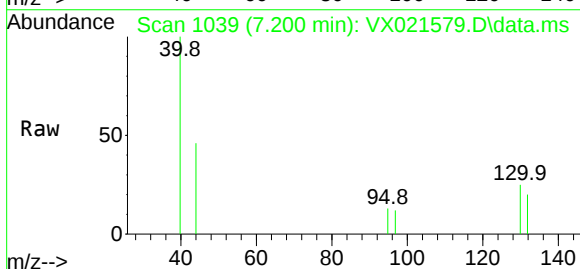
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ClientSampled :
MW-2



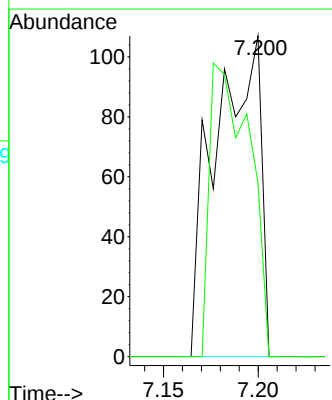
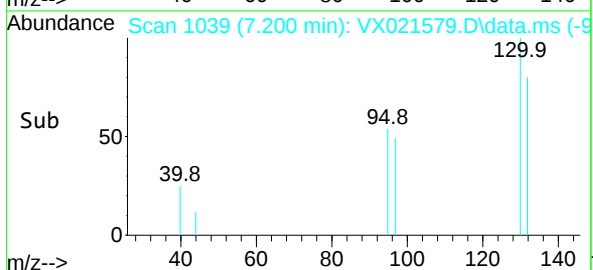
Tgt Ion:117 Resp: 6729
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#

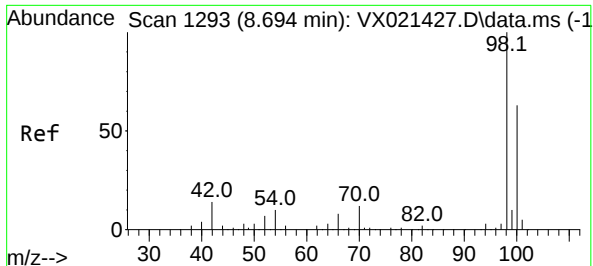


#44
Trichloroethene
Concen: 0.22 ug/l
RT: 7.200 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02



Tgt Ion:130 Resp: 178
Ion Ratio Lower Upper
130 100
95 54.2 0.0 198.0





#50

Toluene-d8

Concen: 51.14 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VX021579.D

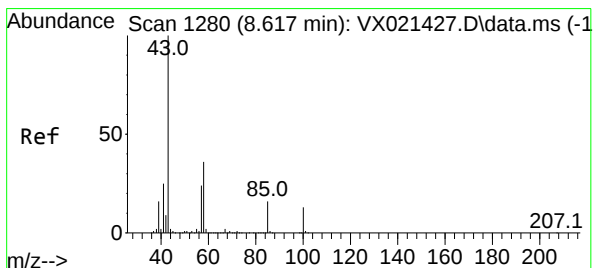
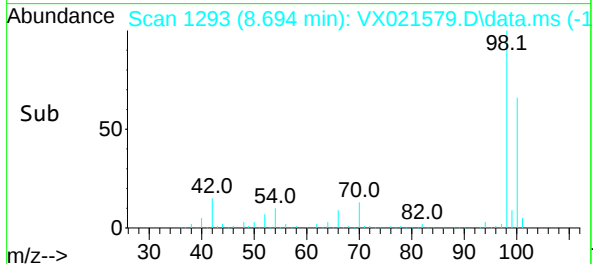
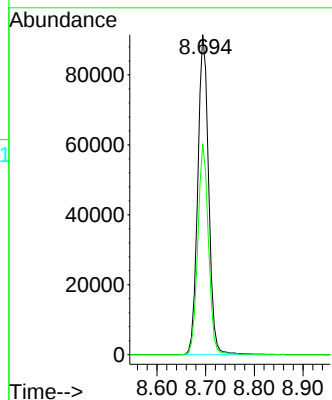
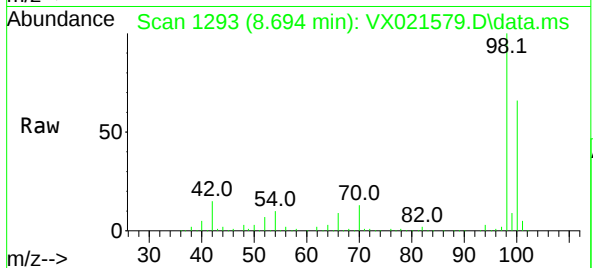
Acq: 29 Mar 2021 16:02

Tgt Ion: 98 Resp: 142625

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.67 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.077 min

Lab File: VX021579.D

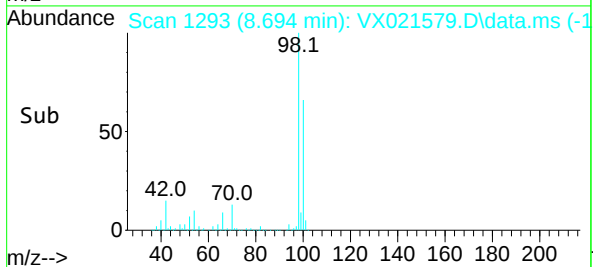
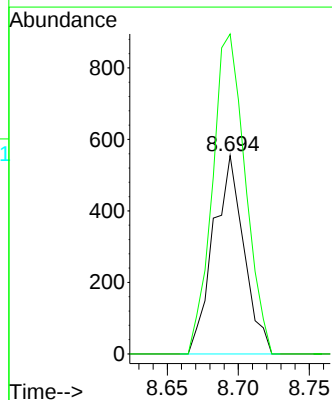
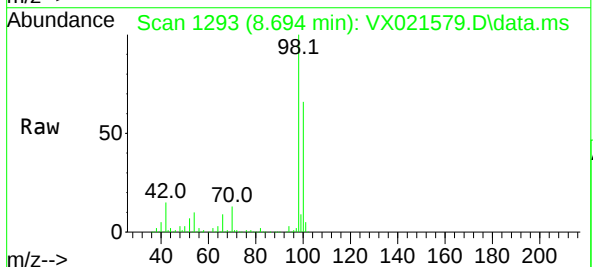
Acq: 29 Mar 2021 16:02

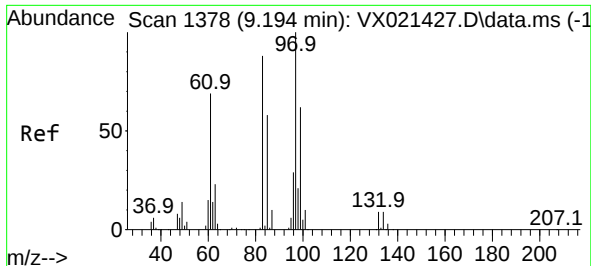
Tgt Ion: 43 Resp: 831

Ion Ratio Lower Upper

43 100

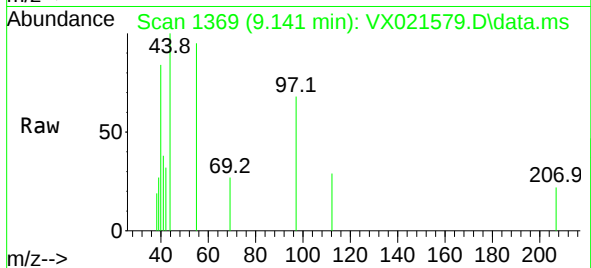
58 173.0 35.4 53.0#



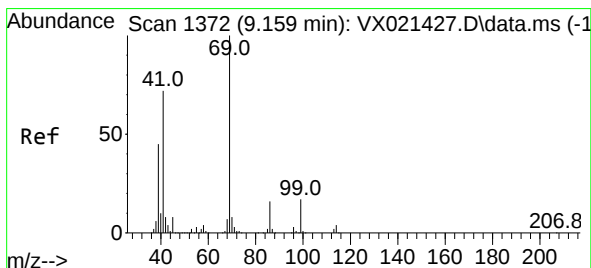
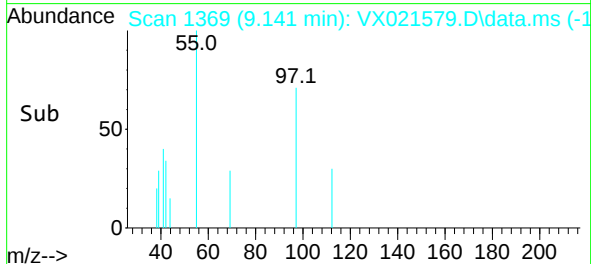
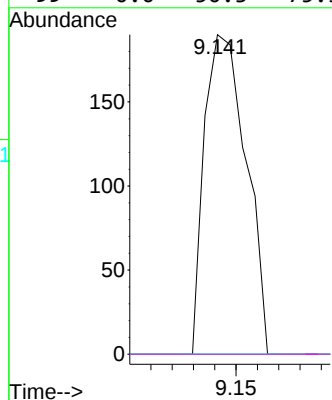


#55
1,1,2-Trichloroethane
Concen: 0.32 ug/l
RT: 9.141 min Scan# 1369
Delta R.T. -0.053 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Instrument :
MSVOA_X
ClientSampleId :
MW-2

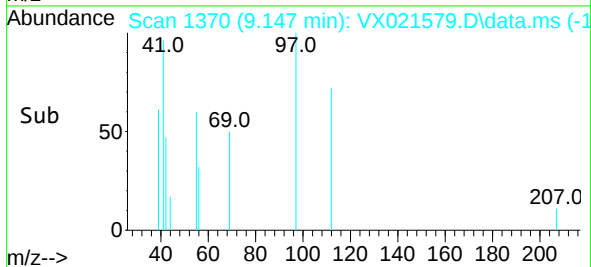
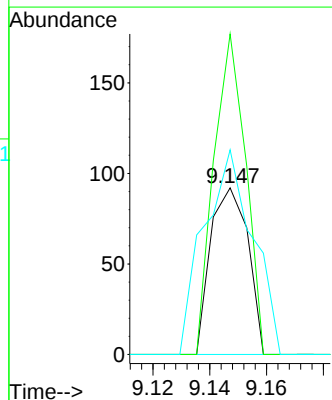
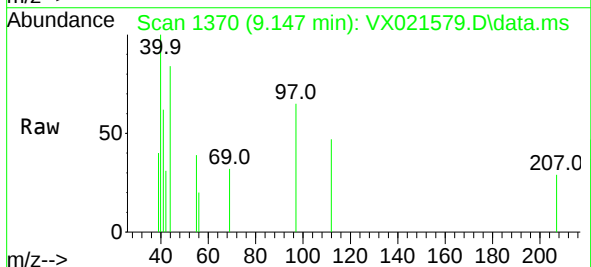


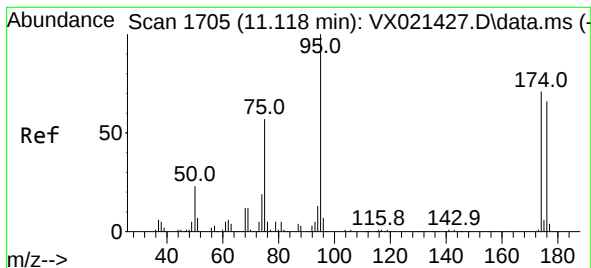
Tgt Ion:	97	Resp:	259
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.3	103.9#
85	0.0	44.3	66.5#
99	0.0	50.3	75.5#



#56
Ethyl methacrylate
Concen: 2.14 ug/l
RT: 9.147 min Scan# 1370
Delta R.T. -0.012 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion:	69	Resp:	84
Ion	Ratio	Lower	Upper
69	100		
41	163.1	46.8	70.2#
39	159.5	24.7	37.1#

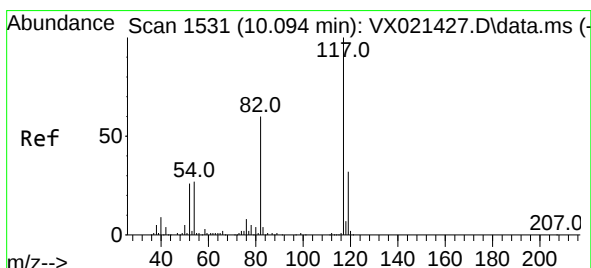
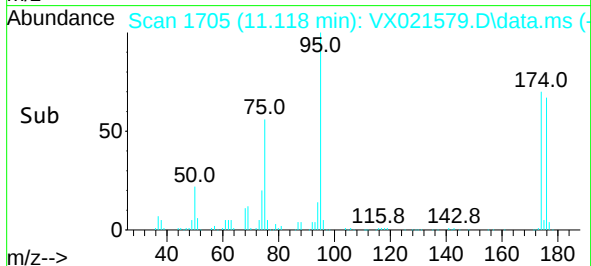
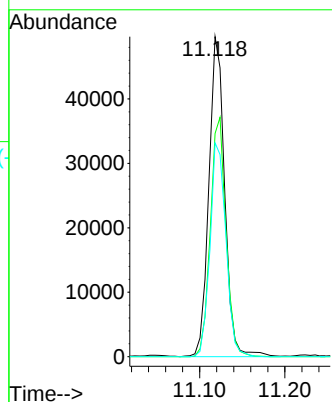
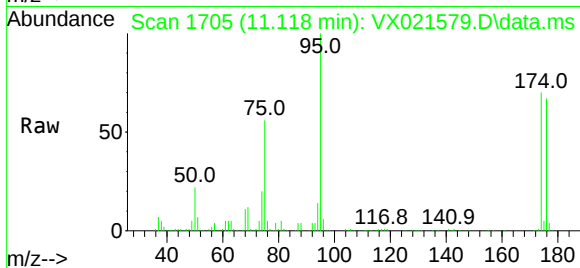




#62
4-Bromofluorobenzene
Concen: 59.06 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

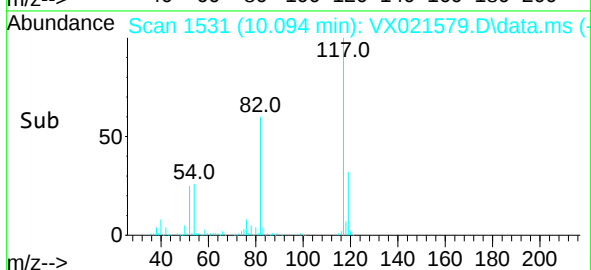
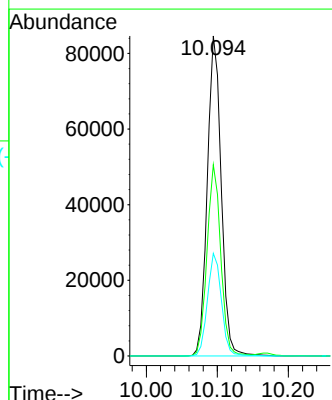
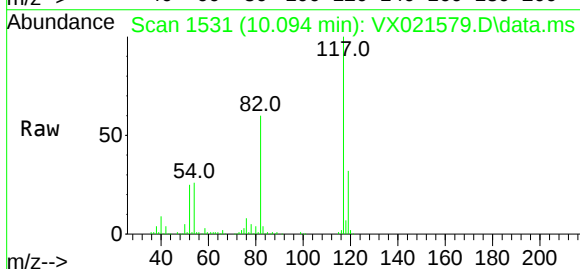
Instrument :
MSVOA_X
ClientSampleId :
MW-2

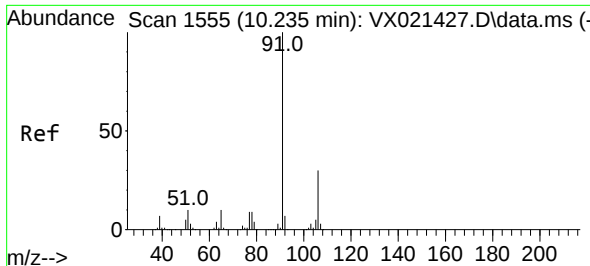
Tgt Ion: 95 Resp: 64038
Ion Ratio Lower Upper
95 100
174 73.7 0.0 154.6
176 67.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion: 117 Resp: 115434
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 32.0 26.6 39.8

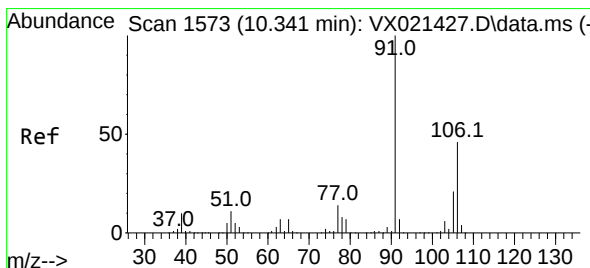
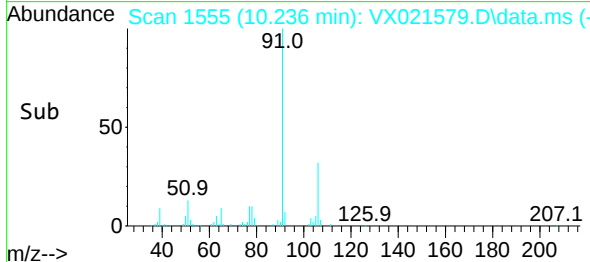
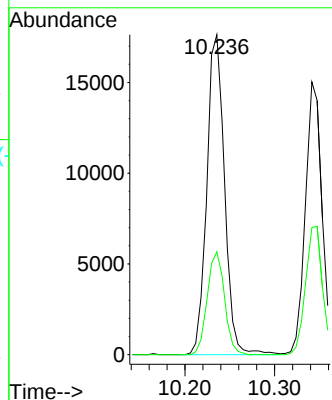
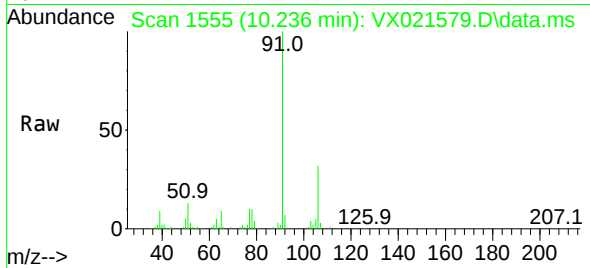




#67
Ethyl Benzene
Concen: 5.72 ug/l
RT: 10.236 min Scan# 1555
Delta R.T. 0.001 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

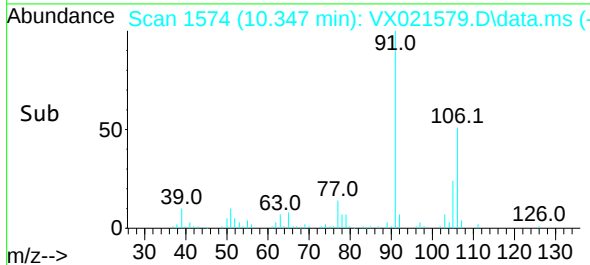
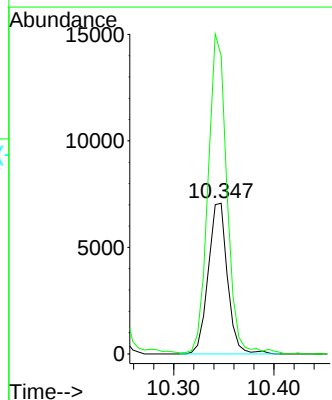
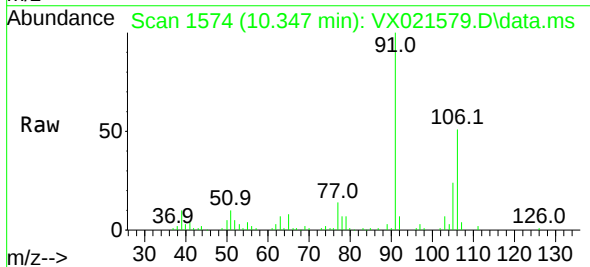
Instrument :
MSVOA_X
ClientSampleId :
MW-2

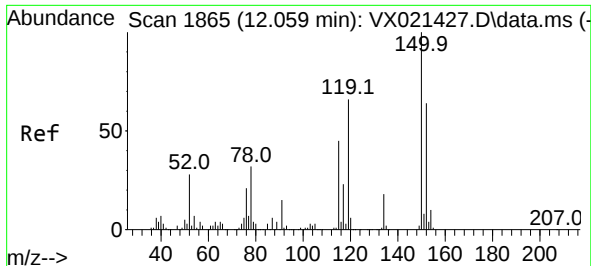
Tgt Ion: 91 Resp: 24185
Ion Ratio Lower Upper
91 100
106 32.2 24.6 37.0



#68
m/p-Xylenes
Concen: 6.28 ug/l
RT: 10.347 min Scan# 1574
Delta R.T. 0.006 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion:106 Resp: 9459
Ion Ratio Lower Upper
106 100
91 208.6 162.8 244.2

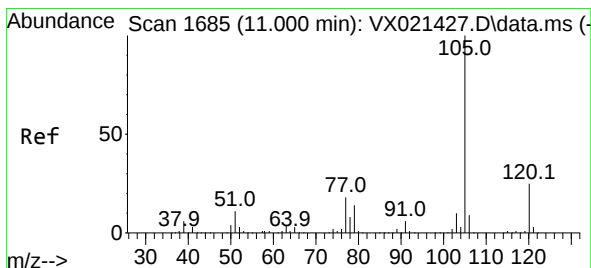
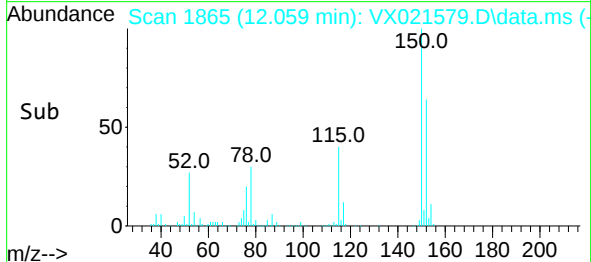
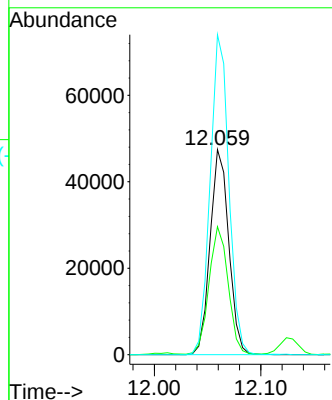
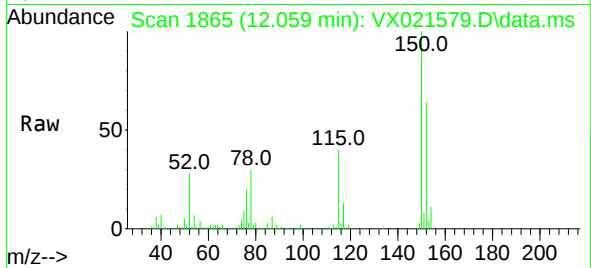




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

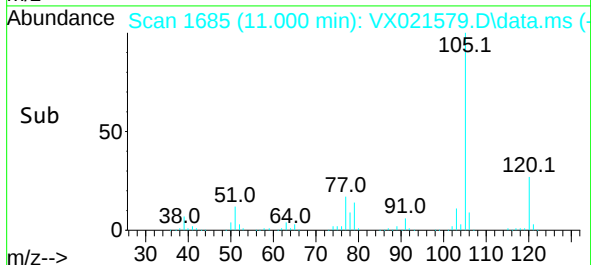
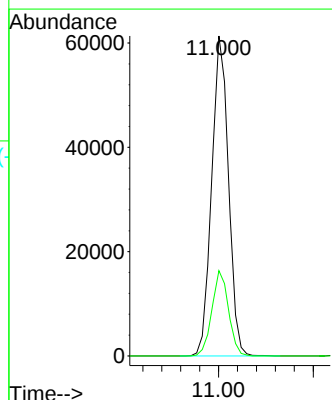
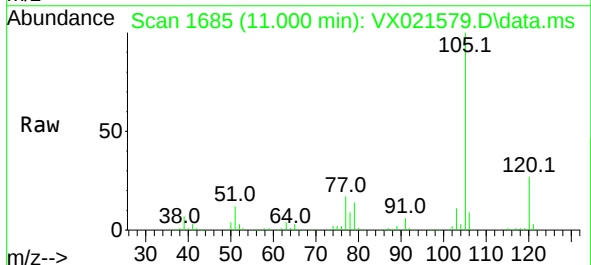
Instrument :
MSVOA_X
ClientSampled :
MW-2

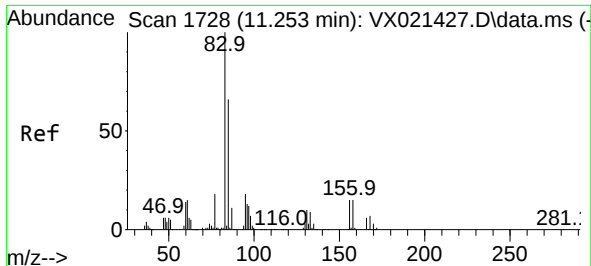
Tgt Ion:152 Resp: 57707
Ion Ratio Lower Upper
152 100
115 63.7 41.1 123.3
150 156.3 0.0 349.0



#73
Isopropylbenzene
Concen: 18.58 ug/l
RT: 11.000 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion:105 Resp: 75339
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6

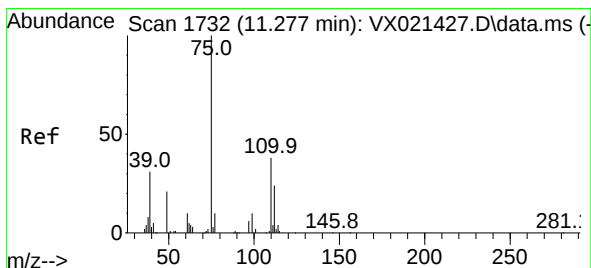
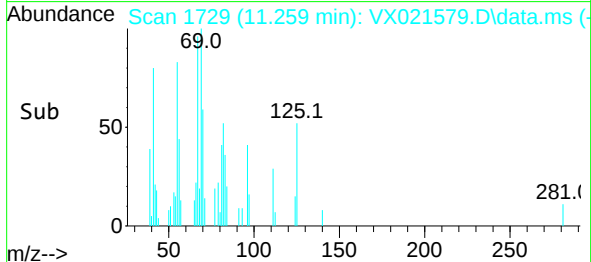
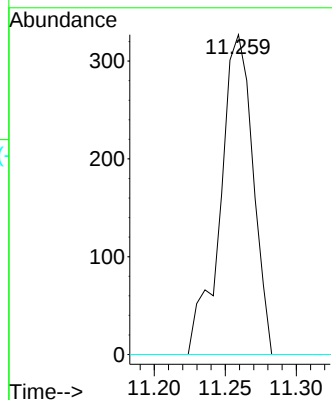
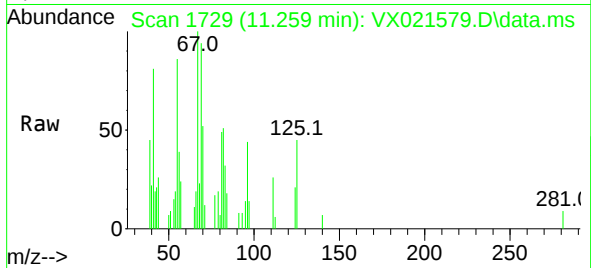




#75
1,1,2,2-Tetrachloroethane
Concen: 0.37 ug/l
RT: 11.259 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

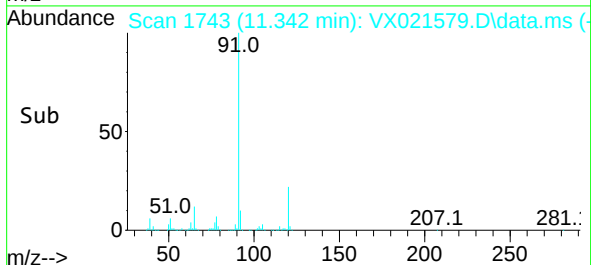
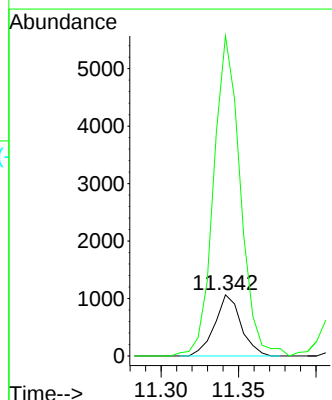
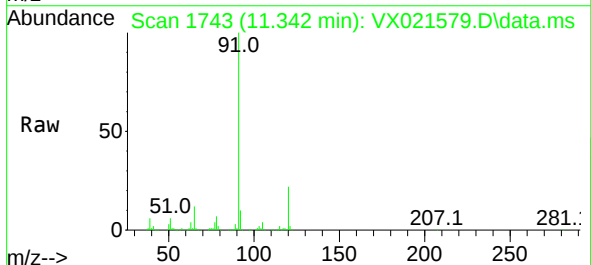
Instrument :
MSVOA_X
ClientSampleId :
MW-2

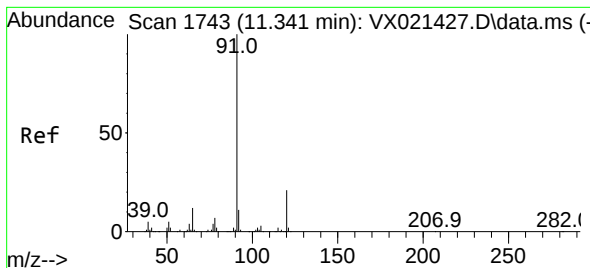
Tgt Ion: 83 Resp: 523
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.2#
85 0.0 31.8 95.4#



#76
1,2,3-Trichloropropane
Concen: 0.93 ug/l
RT: 11.342 min Scan# 1743
Delta R.T. 0.065 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion: 75 Resp: 1255
Ion Ratio Lower Upper
75 100
77 532.1 19.1 57.5#

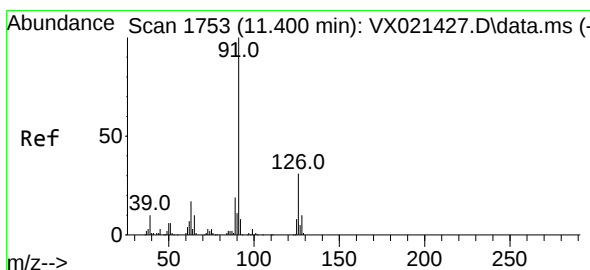
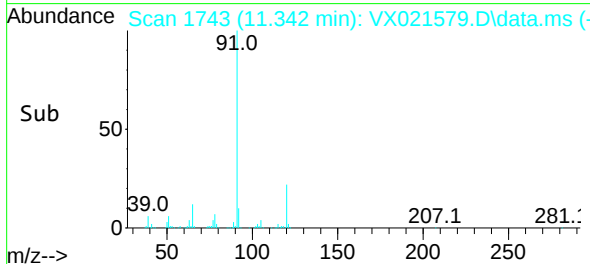
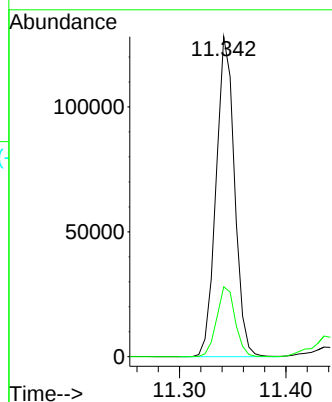
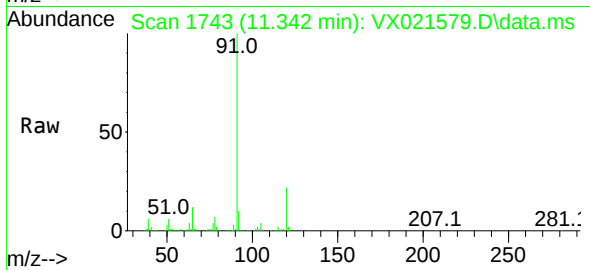




#78
n-propylbenzene
Concen: 32.16 ug/l
RT: 11.342 min Scan# 1743
Delta R.T. 0.001 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

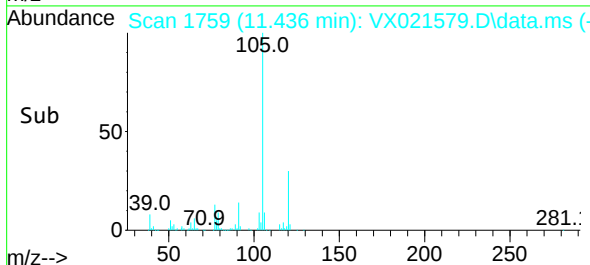
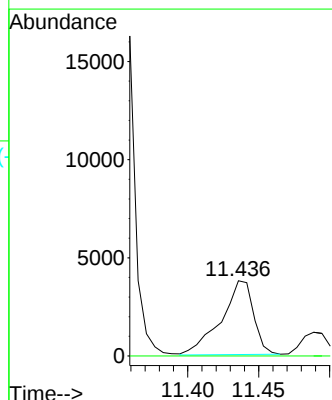
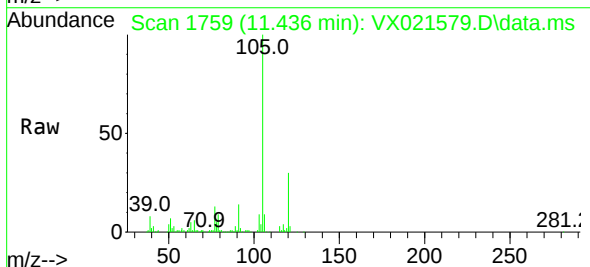
Instrument :
MSVOA_X
ClientSampled :
MW-2

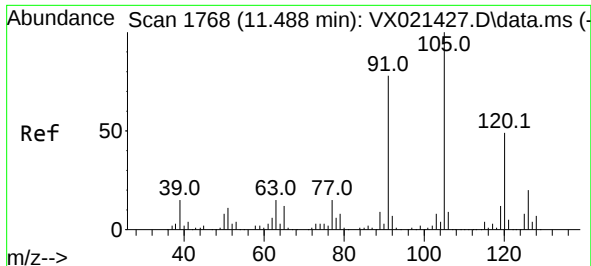
Tgt Ion: 91 Resp: 154000
Ion Ratio Lower Upper
91 100
120 21.9 11.5 34.5



#79
2-Chlorotoluene
Concen: 2.07 ug/l
RT: 11.436 min Scan# 1759
Delta R.T. 0.036 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion: 91 Resp: 6010
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#

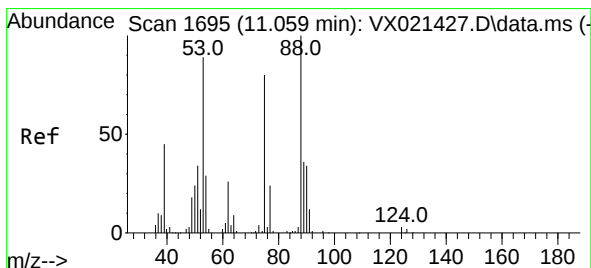
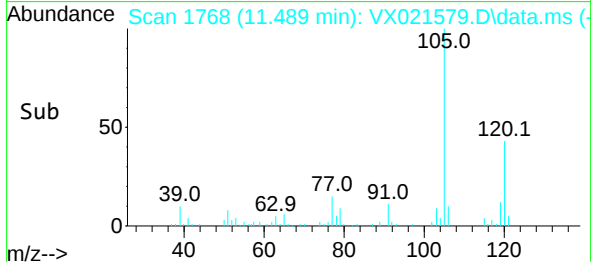
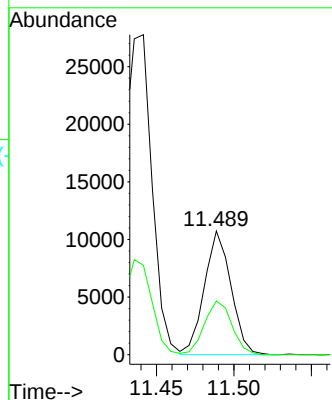
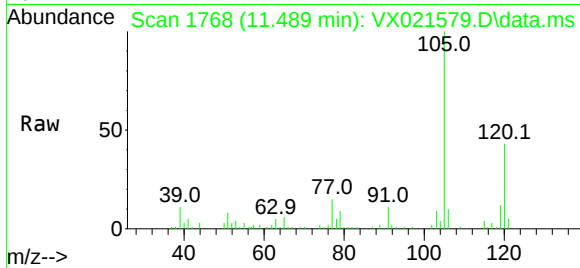




#80
1,3,5-Trimethylbenzene
Concen: 3.70 ug/l
RT: 11.489 min Scan# 1768
Delta R.T. 0.001 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

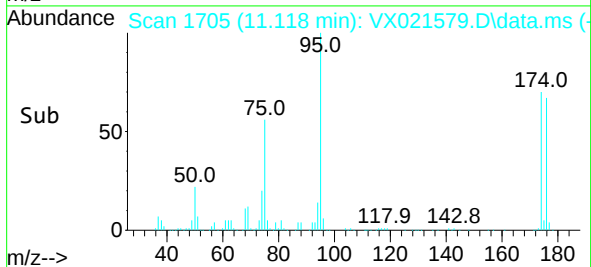
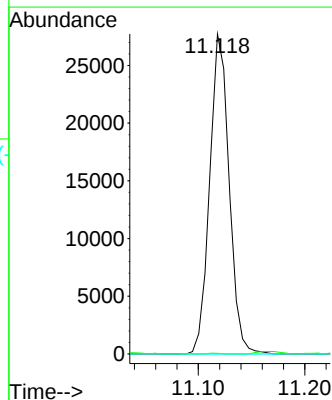
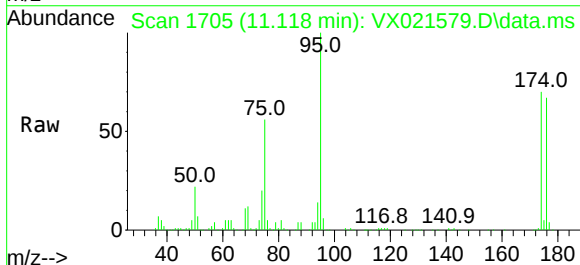
Instrument :
MSVOA_X
ClientSampled :
MW-2

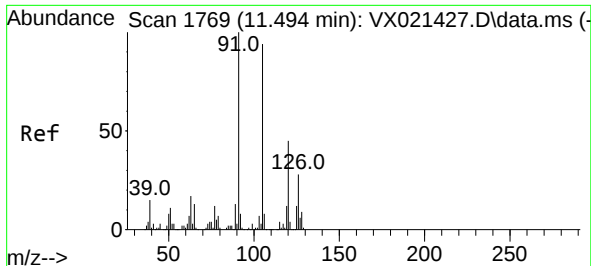
Tgt Ion:105 Resp: 12821
Ion Ratio Lower Upper
105 100
120 44.8 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 79.69 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion: 75 Resp: 35149
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

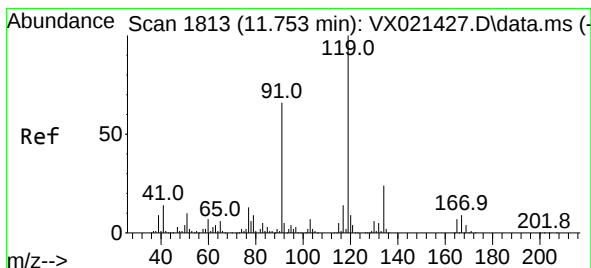
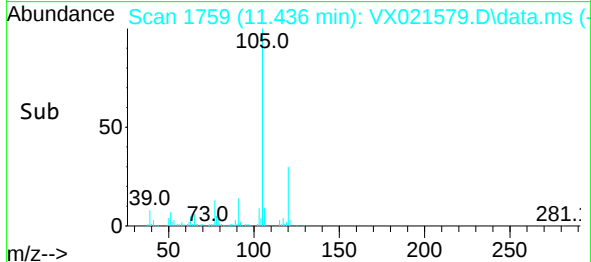
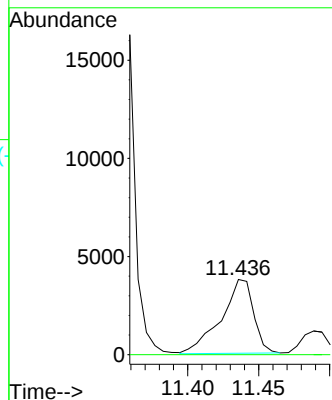
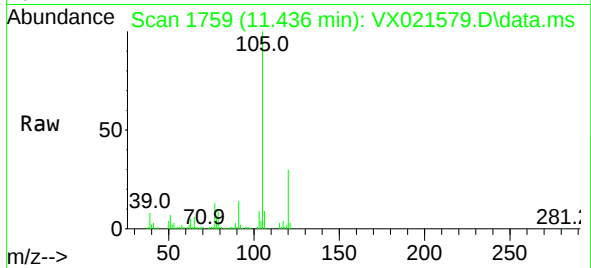




#82
4-Chlorotoluene
Concen: 1.74 ug/l
RT: 11.436 min Scan# 1759
Delta R.T. -0.058 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

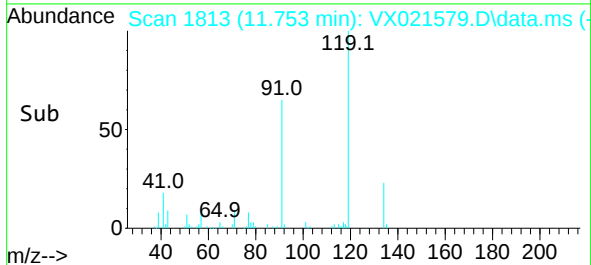
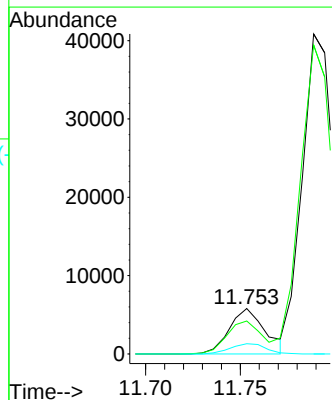
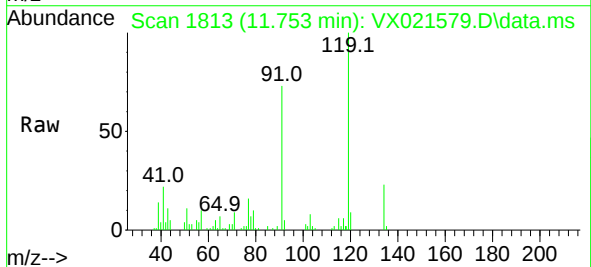
Instrument :
MSVOA_X
ClientSampleId :
MW-2

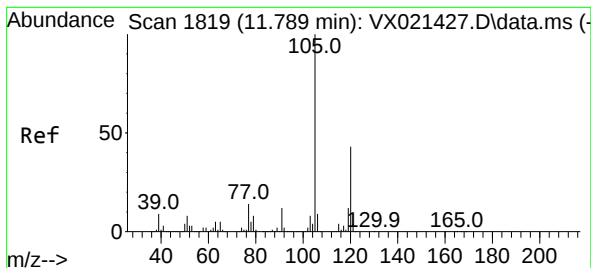
Tgt Ion: 91 Resp: 6010
Ion Ratio Lower Upper
91 100
126 0.0 14.9 44.5#



#83
tert-Butylbenzene
Concen: 2.25 ug/l
RT: 11.753 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion: 119 Resp: 7593
Ion Ratio Lower Upper
119 100
91 70.3 27.9 83.7
134 22.4 11.3 33.9

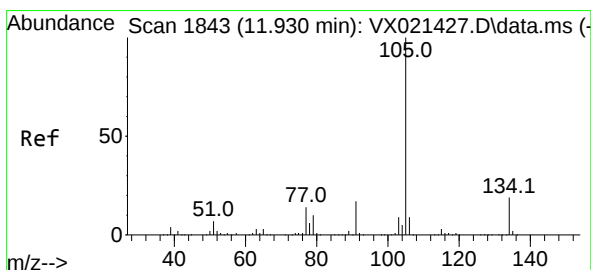
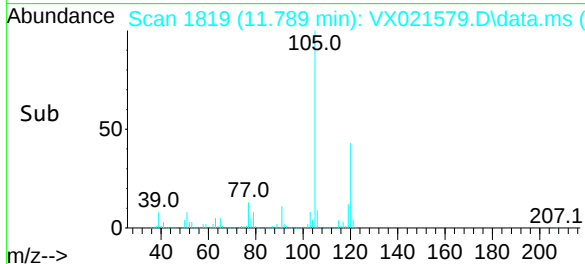
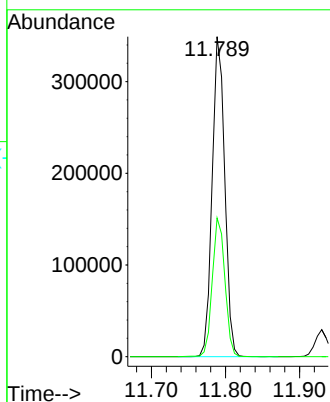
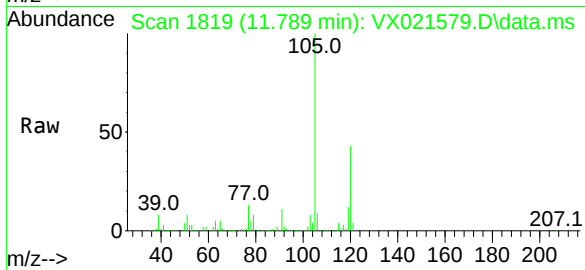




#84
1,2,4-Trimethylbenzene
Concen: 117.52 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

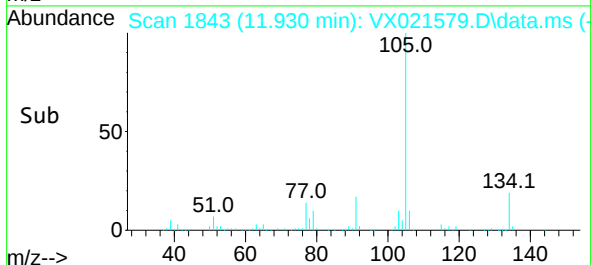
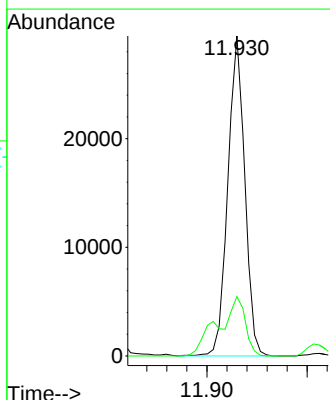
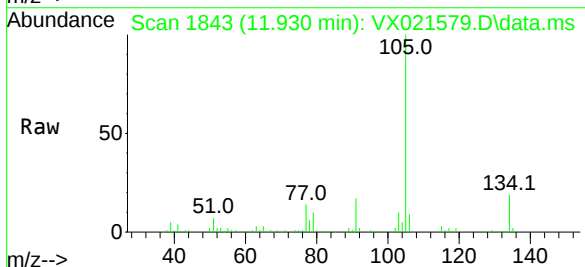
Instrument :
MSVOA_X
ClientSampleId :
MW-2

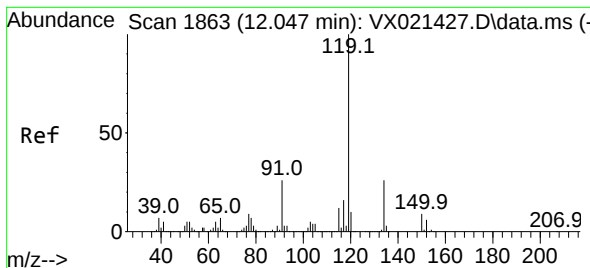
Tgt Ion:105 Resp: 410364
Ion Ratio Lower Upper
105 100
120 43.5 22.4 67.3



#85
sec-Butylbenzene
Concen: 8.87 ug/l
RT: 11.930 min Scan# 1843
Delta R.T. -0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion:105 Resp: 34495
Ion Ratio Lower Upper
105 100
134 16.4 10.0 29.8

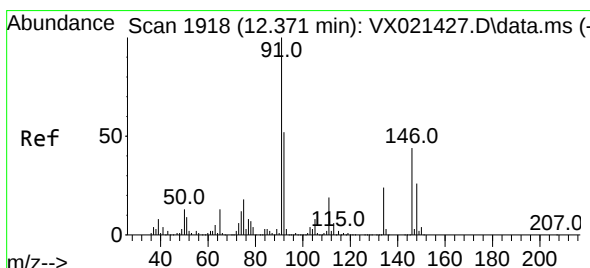
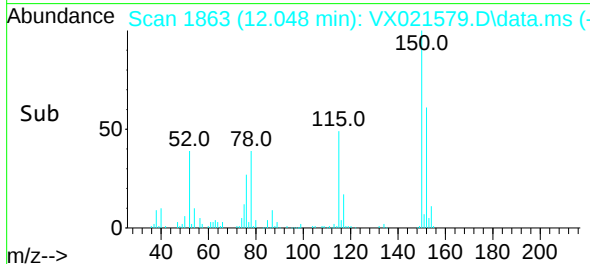
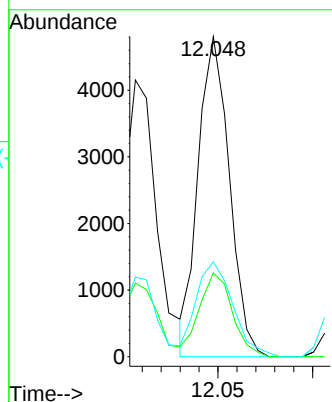
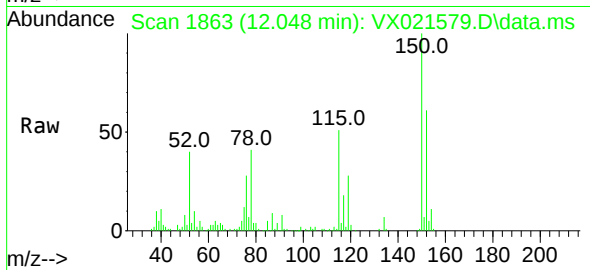




#86
p-Isopropyltoluene
Concen: 1.56 ug/l
RT: 12.048 min Scan# 1863
Delta R.T. 0.001 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

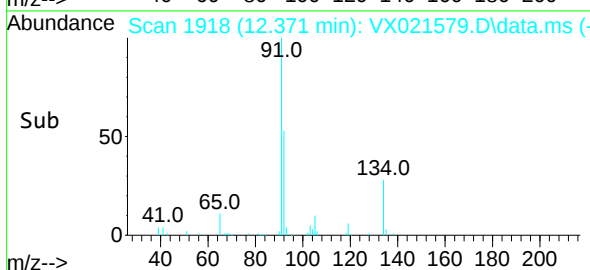
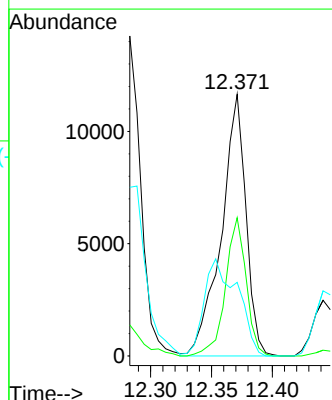
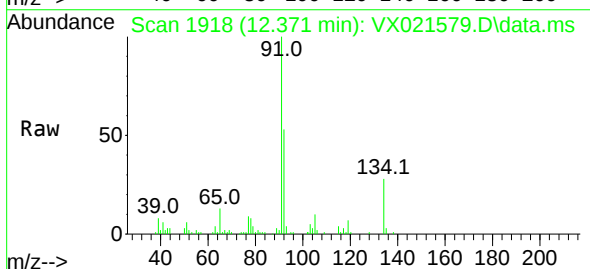
Instrument :
MSVOA_X
ClientSampleId :
MW-2

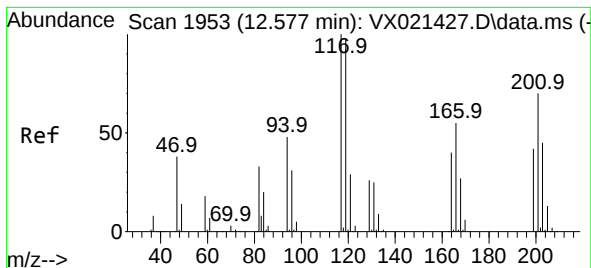
Tgt Ion:	119	Resp:	5507
Ion	Ratio	Lower	Upper
119	100		
134	27.6	12.9	38.7
91	34.8	11.7	35.0



#89
n-Butylbenzene
Concen: 5.07 ug/l
RT: 12.371 min Scan# 1918
Delta R.T. 0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Tgt Ion:	91	Resp:	16461
Ion	Ratio	Lower	Upper
91	100		
92	44.3	27.4	82.0
134	50.0	13.2	39.5





#90

Hexachloroethane

Concen: 2.76 ug/l

RT: 12.571 min Scan# 1952

Delta R.T. -0.006 min

Lab File: VX021579.D

Acq: 29 Mar 2021 16:02

Instrument :

MSVOA_X

ClientSampleId :

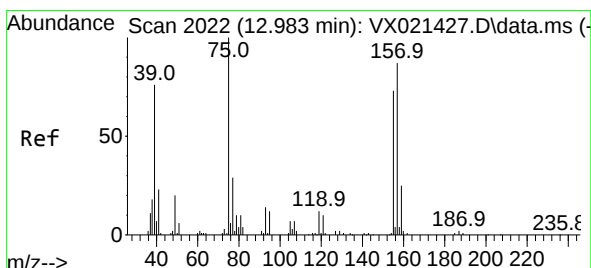
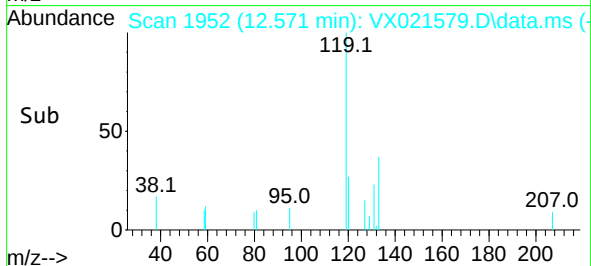
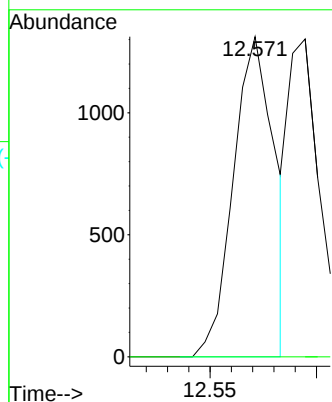
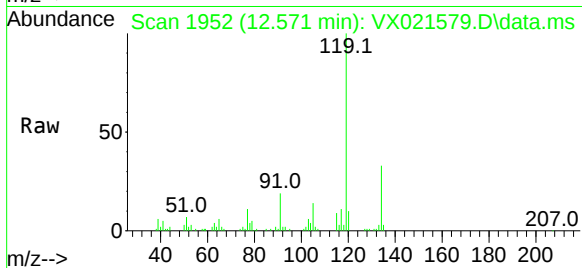
MW-2

Tgt Ion:117 Resp: 1766

Ion Ratio Lower Upper

117 100

201 0.0 40.4 121.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.86 ug/l

RT: 13.001 min Scan# 2025

Delta R.T. 0.018 min

Lab File: VX021579.D

Acq: 29 Mar 2021 16:02

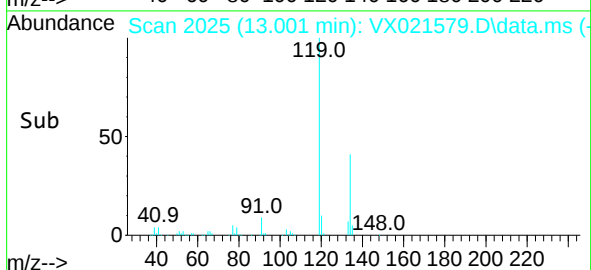
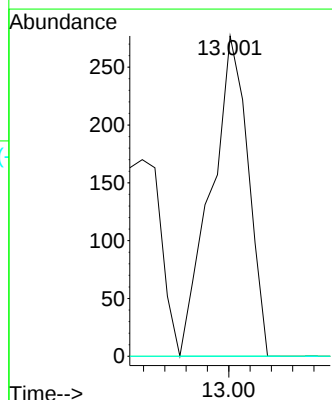
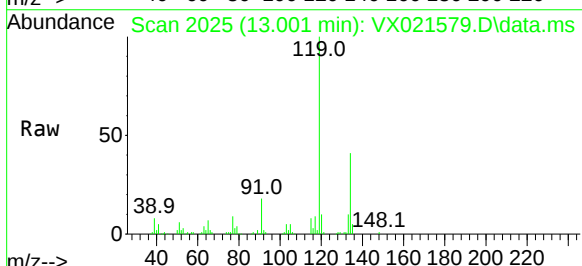
Tgt Ion: 75 Resp: 335

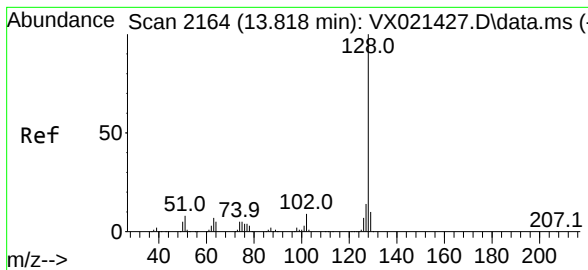
Ion Ratio Lower Upper

75 100

155 0.0 45.3 135.9#

157 0.0 57.7 173.1#





#95
Naphthalene
Concen: 4.20 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021579.D
Acq: 29 Mar 2021 16:02

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tgt Ion:128 Resp: 15789
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.9 8.8 13.2

