

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040121\
 Data File : VX021717.D
 Acq On : 01 Apr 2021 18:37
 Operator : JC/MD
 Sample : M1895-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Quant Time: Apr 02 03:31:06 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)

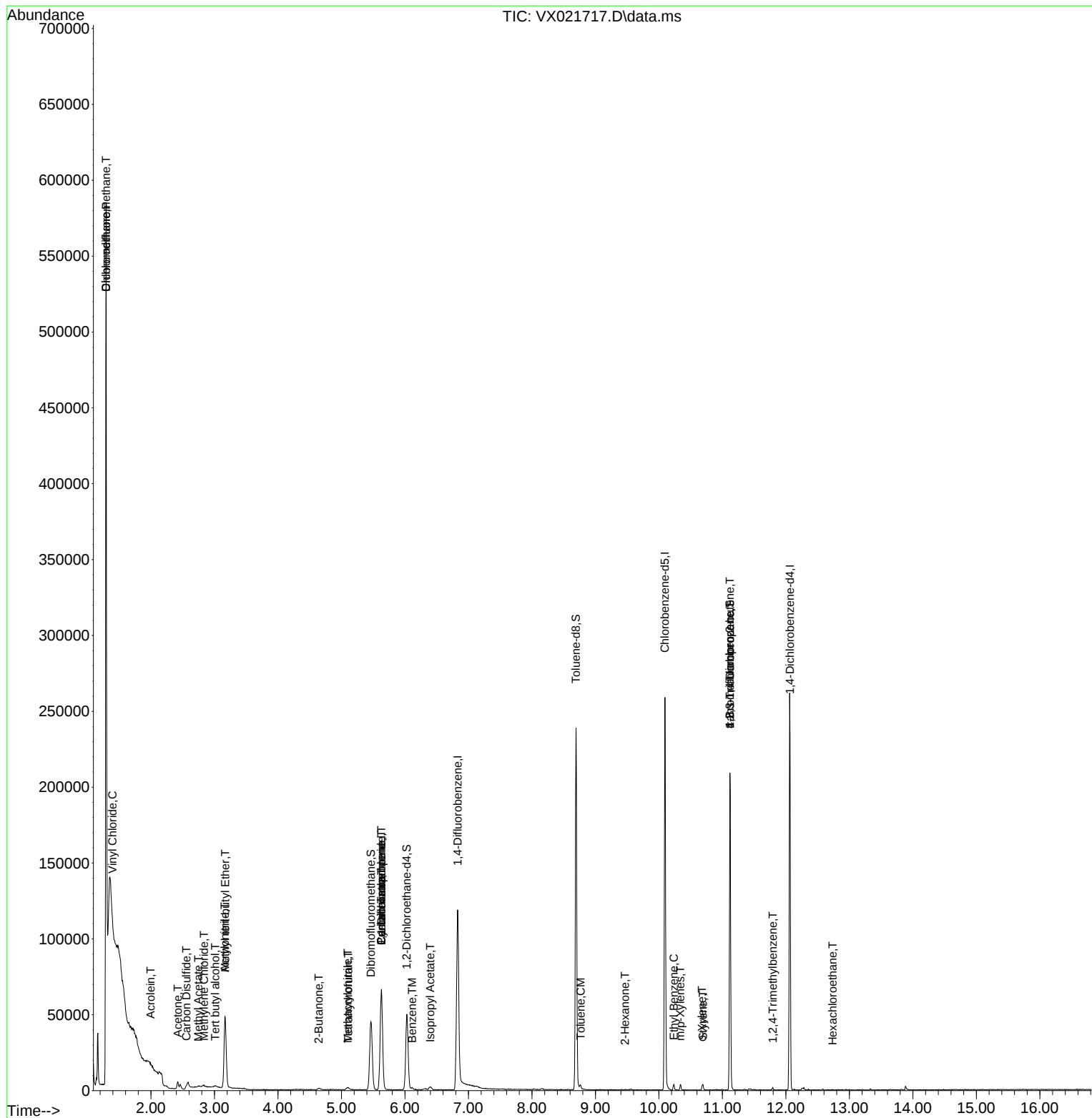
Internal Standards						
1) Pentafluorobenzene	5.629	168	56479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	103430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	107970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	48184	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	49459	52.63	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.26%			
35) Dibromofluoromethane	5.464	113	38439	52.32	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.64%			
50) Toluene-d8	8.694	98	131942	50.40	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.80%			
62) 4-Bromofluorobenzene	11.118	95	53031	52.10	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.293	85	36532	58.85	ug/l	98
3) Chloromethane	1.293	50	6677	9.39	ug/l #	42
4) Vinyl Chloride	1.393	62	218	0.34	ug/l #	1
11) Tert butyl alcohol	3.011	59	749	4.82	ug/l #	73
13) Acrolein	1.993	56	18	4.52	ug/l #	1
15) Acrylonitrile	3.164	53	753	2.04	ug/l #	27
16) Acetone	2.423	43	4973	14.00	ug/l	95
17) Carbon Disulfide	2.558	76	3217	2.01	ug/l	100
18) Methyl Acetate	2.746	43	608	0.59	ug/l #	60
19) Methyl tert-butyl Ether	3.170	73	47309	22.26	ug/l	95
20) Methylene Chloride	2.834	84	224	0.32	ug/l #	83
25) 2-Butanone	4.641	43	1126	2.09	ug/l #	87
29) Tetrahydrofuran	5.105	42	1077	3.08	ug/l #	73
31) Cyclohexane	5.629	56	1667	1.61	ug/l #	9
36) 1,1-Dichloropropene	5.629	75	5063	5.00	ug/l #	50
38) Carbon Tetrachloride	5.629	117	6020	5.53	ug/l #	19
40) Benzene	6.111	78	1122	0.39	ug/l	97
41) Methacrylonitrile	5.099	41	789	1.16	ug/l #	43
43) Isopropyl Acetate	6.400	43	752	0.40	ug/l #	37
52) Toluene	8.765	92	807	0.45	ug/l	97
59) 2-Hexanone	9.465	43	218	0.25	ug/l #	19
67) Ethyl Benzene	10.235	91	2033	0.51	ug/l	92
68) m/p-Xylenes	10.335	106	778	0.55	ug/l	85
69) o-Xylene	10.677	106	468	0.34	ug/l	90
70) Styrene	10.694	104	1069	0.46	ug/l	98
76) 1,2,3-Trichloropropane	11.118	75	29472	26.27	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	29472	80.03	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.794	105	664	0.23	ug/l	98
90) Hexachloroethane	12.736	117	186	0.35	ug/l #	9

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

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Instrument :
MSVOA_X
ClientSampleId :
MW-8

Quant Time: Apr 02 03:31:06 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

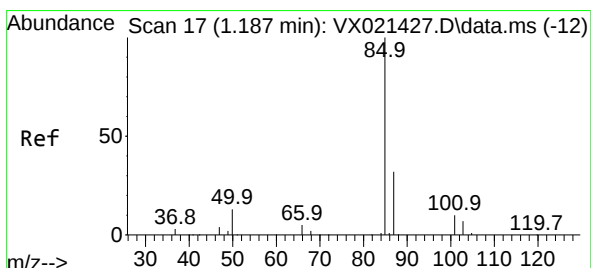
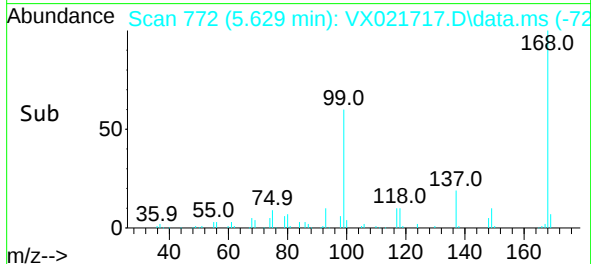
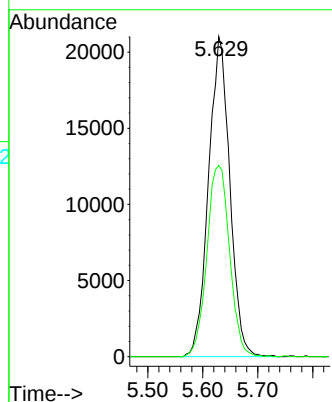
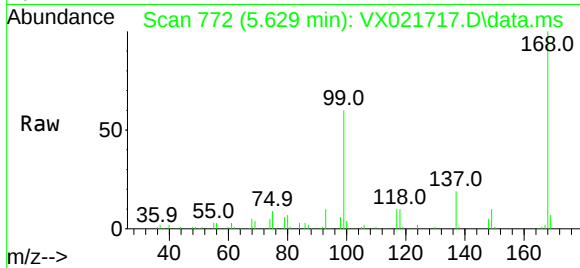




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

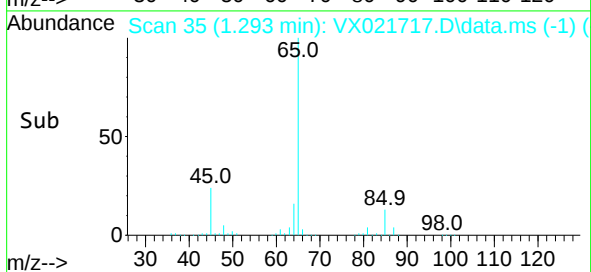
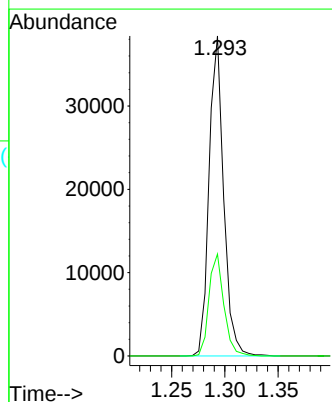
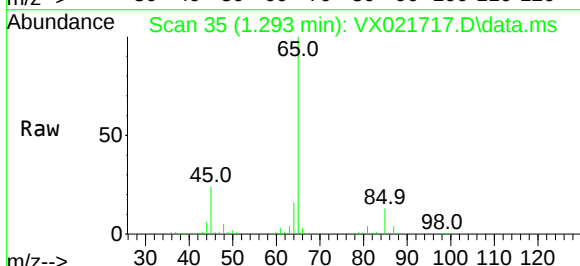
Instrument :
MSVOA_X
ClientSampled :
MW-8

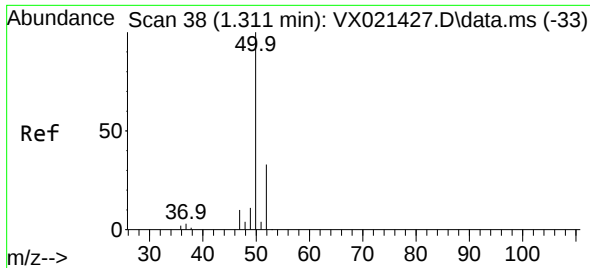
Tgt Ion:168 Resp: 56479
Ion Ratio Lower Upper
168 100
99 59.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 58.85 ug/l
RT: 1.293 min Scan# 35
Delta R.T. 0.106 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 85 Resp: 36532
Ion Ratio Lower Upper
85 100
87 31.8 16.4 49.2

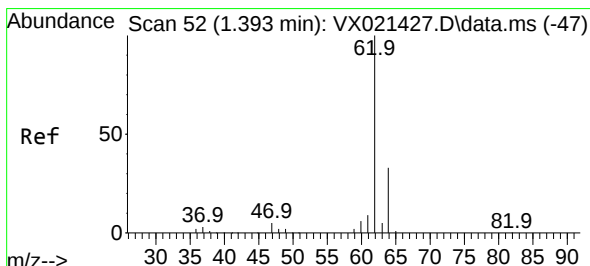
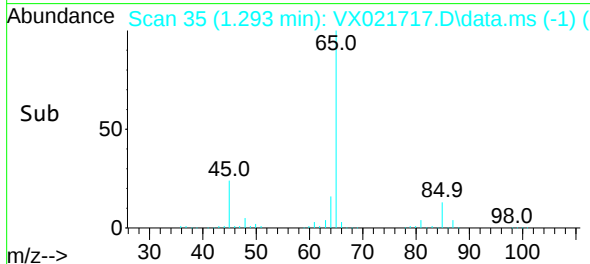
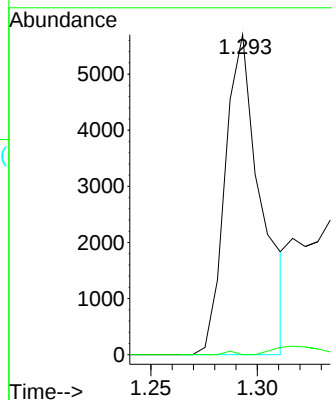
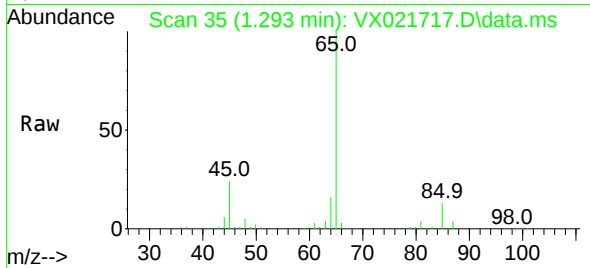




#3
Chloromethane
Concen: 9.39 ug/l
RT: 1.293 min Scan# 35
Delta R.T. -0.018 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

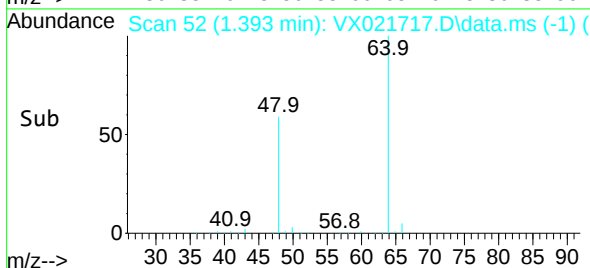
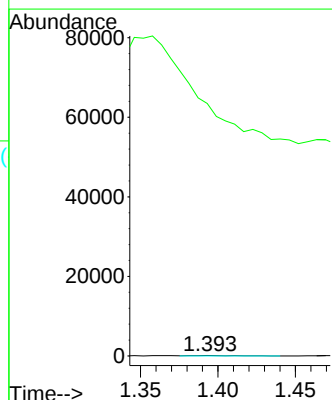
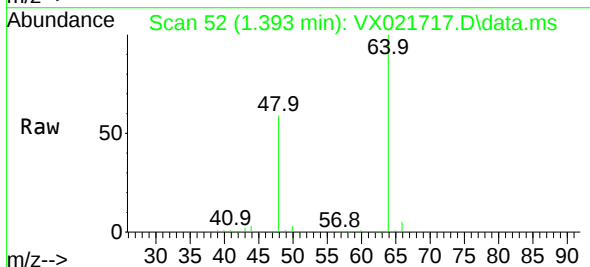
Instrument :
MSVOA_X
ClientSampled :
MW-8

Tgt Ion: 50 Resp: 6677
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#4
Vinyl Chloride
Concen: 0.34 ug/l
RT: 1.393 min Scan# 52
Delta R.T. 0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 62 Resp: 218
Ion Ratio Lower Upper
62 100
64 8510.5 25.7 38.5#



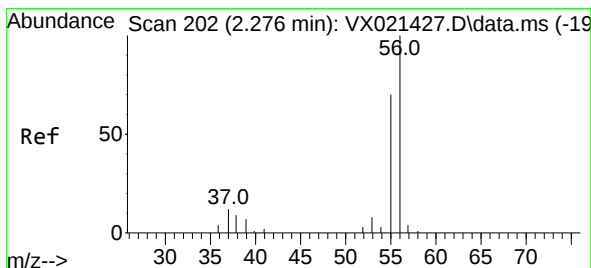
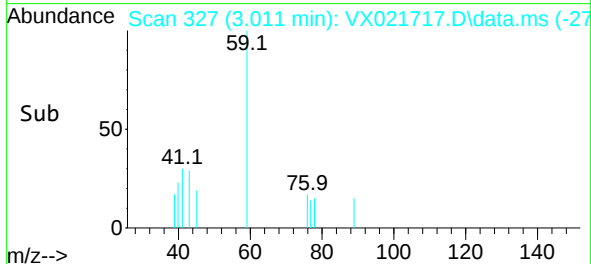
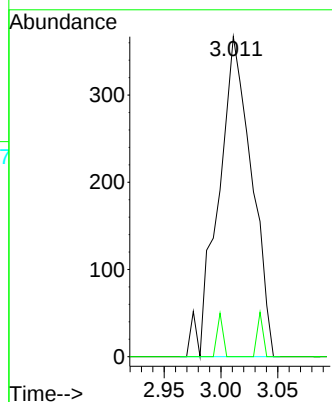
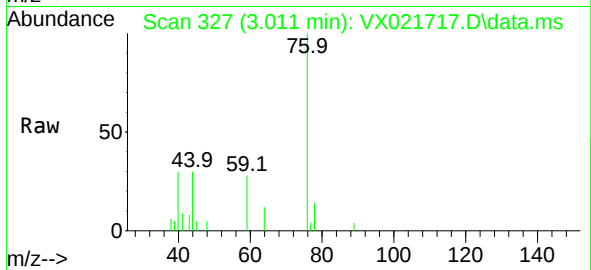


#11

Tert butyl alcohol
Concen: 4.82 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.012 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Instrument :
MSVOA_X
ClientSampled :
MW-8

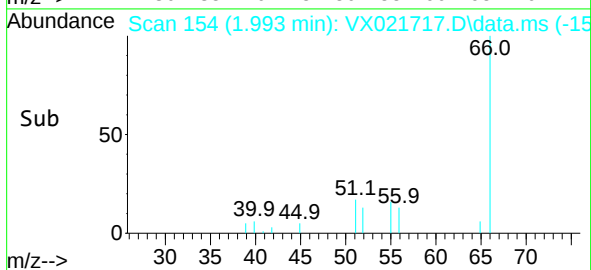
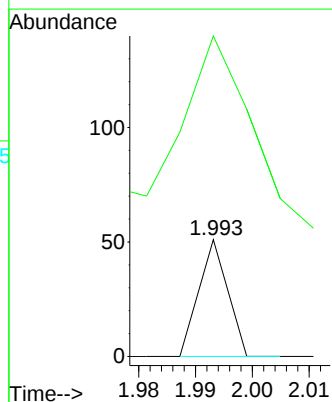
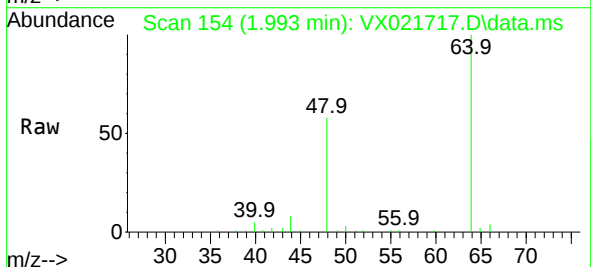
Tgt Ion: 59 Resp: 749
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

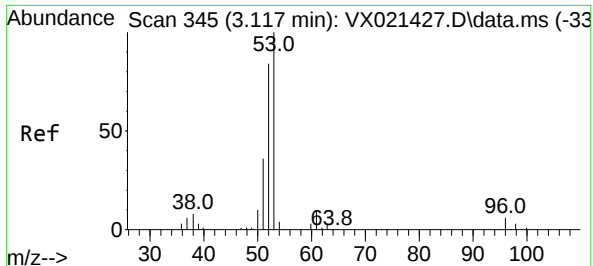


#13

Acrolein
Concen: 4.52 ug/l
RT: 1.993 min Scan# 154
Delta R.T. -0.283 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
55 733.3 56.4 84.6#

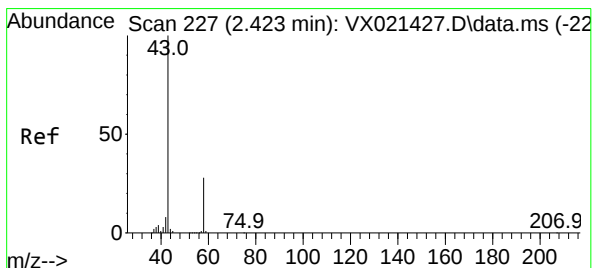
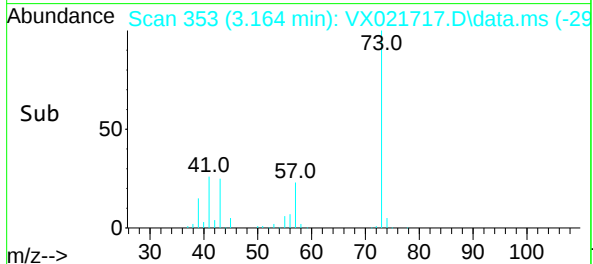
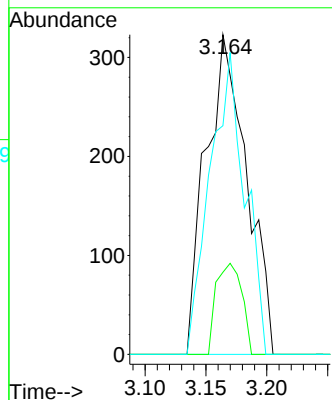
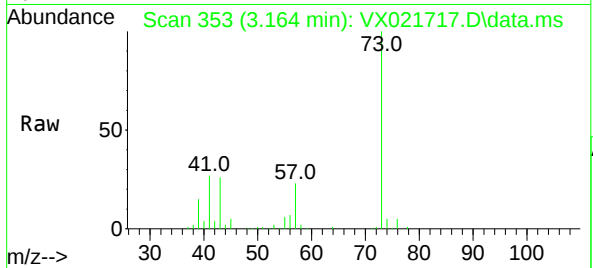




#15
Acrylonitrile
Concen: 2.04 ug/l
RT: 3.164 min Scan# 353
Delta R.T. 0.047 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

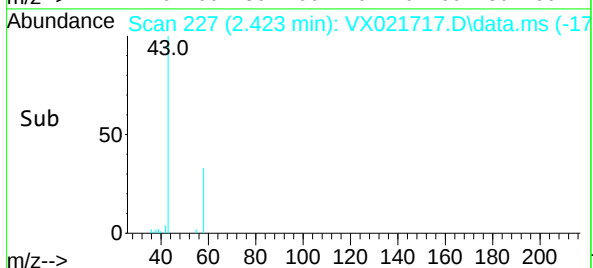
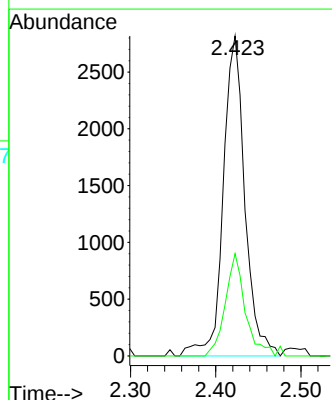
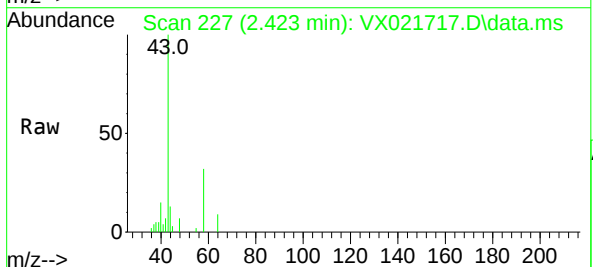
Instrument :
MSVOA_X
ClientSampled :
MW-8

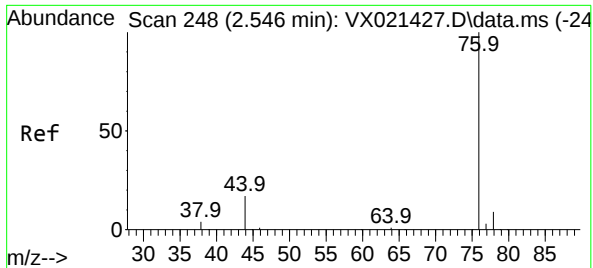
Tgt Ion: 53 Resp: 753
Ion Ratio Lower Upper
53 100
52 17.9 65.3 97.9#
51 80.6 28.2 42.2#



#16
Acetone
Concen: 14.00 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 43 Resp: 4973
Ion Ratio Lower Upper
43 100
58 32.0 27.8 41.8

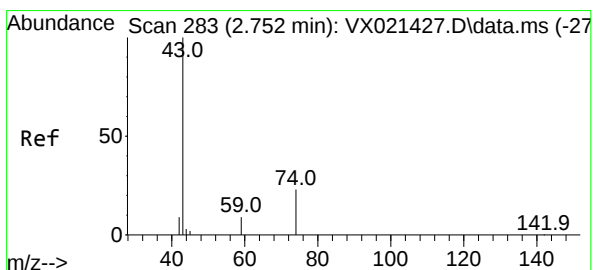
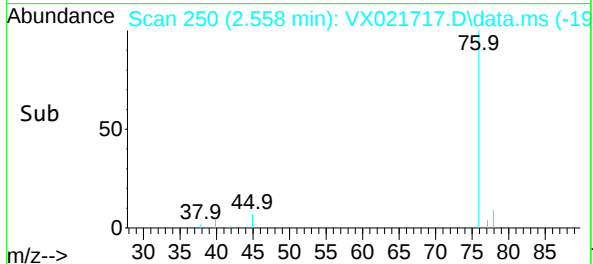
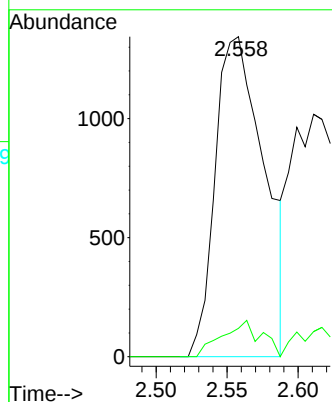
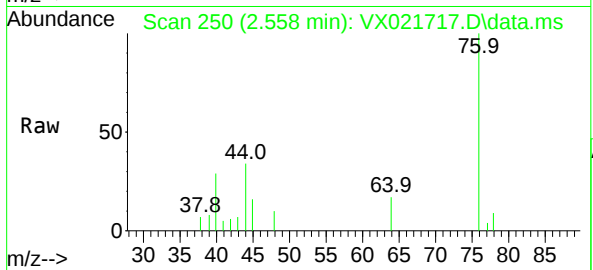




#17
Carbon Disulfide
Concen: 2.01 ug/l
RT: 2.558 min Scan# 250
Delta R.T. 0.012 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

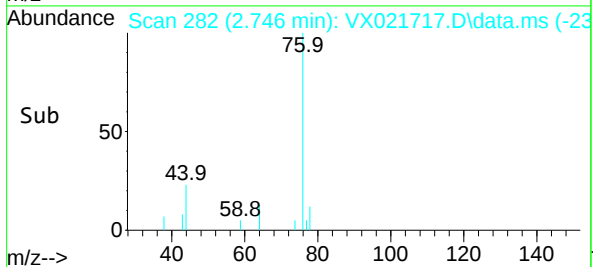
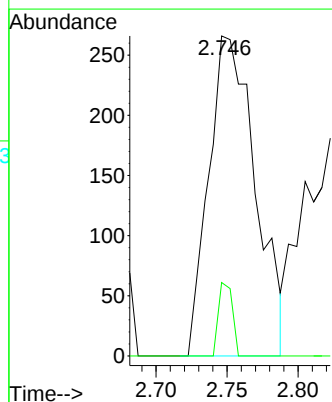
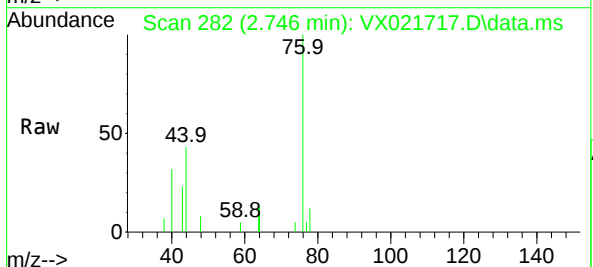
Instrument :
MSVOA_X
ClientSampled :
MW-8

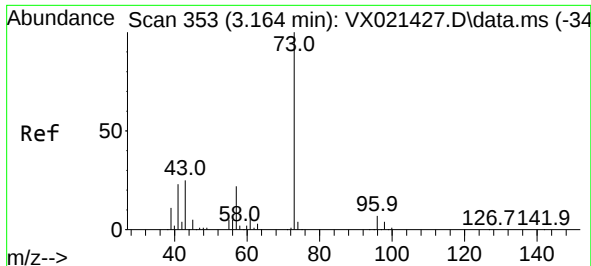
Tgt Ion: 76 Resp: 3217
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 0.59 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 43 Resp: 608
Ion Ratio Lower Upper
43 100
74 6.7 21.9 32.9#

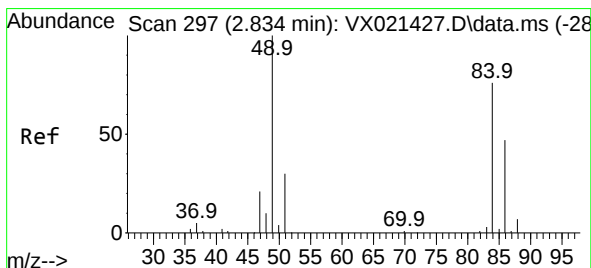
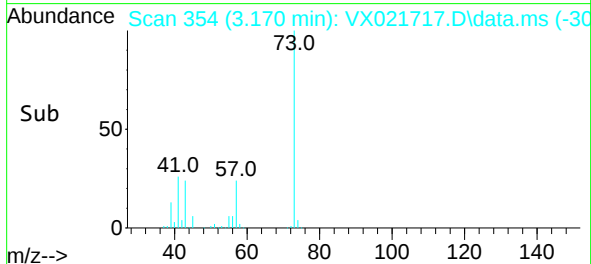
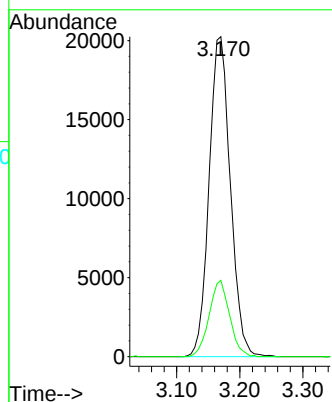
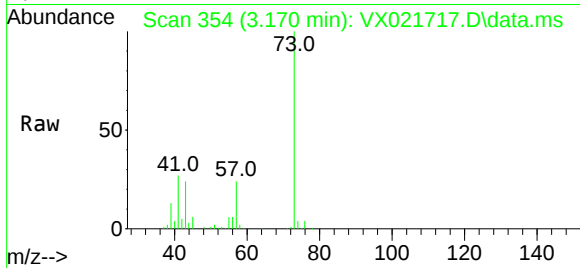




#19
Methyl tert-butyl Ether
Concen: 22.26 ug/l
RT: 3.170 min Scan# 354
Delta R.T. 0.006 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

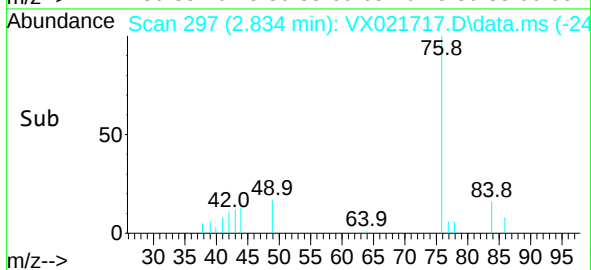
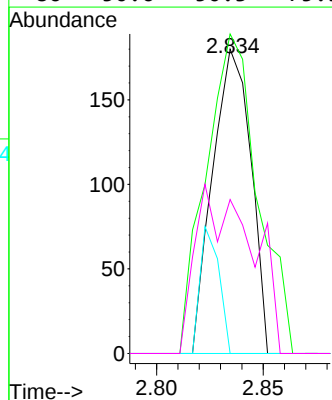
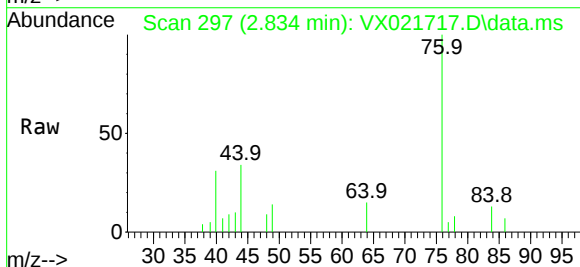
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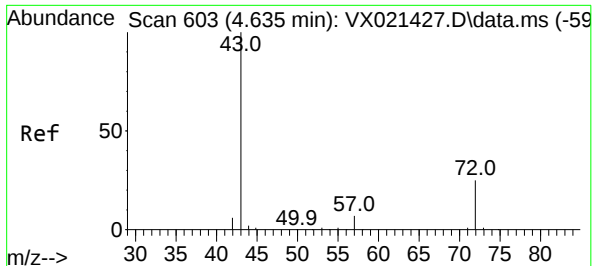
Tgt Ion: 73 Resp: 47309
Ion Ratio Lower Upper
73 100
57 23.8 17.1 25.7



#20
Methylene Chloride
Concen: 0.32 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 84 Resp: 224
Ion Ratio Lower Upper
84 100
49 105.0 88.6 132.8
51 0.0 27.0 40.6#
86 50.6 50.3 75.5

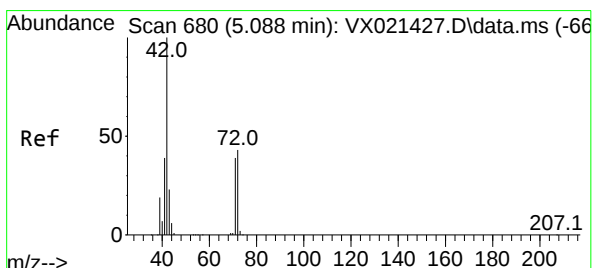
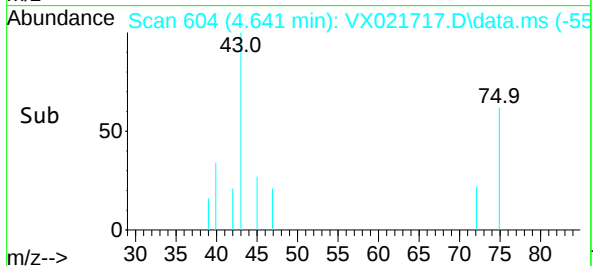
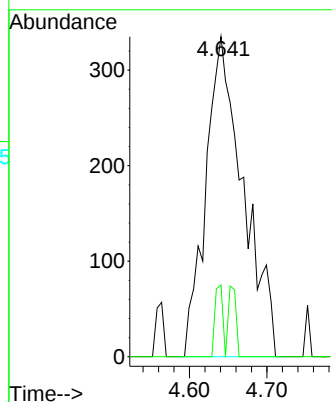
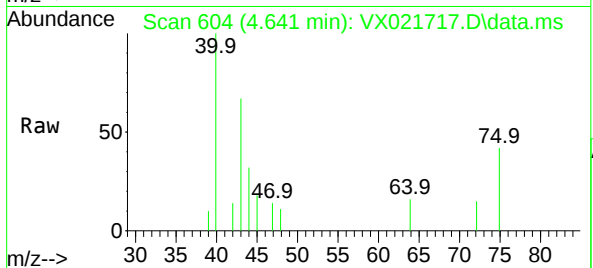




#25
2-Butanone
Concen: 2.09 ug/l
RT: 4.641 min Scan# 604
Delta R.T. 0.006 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

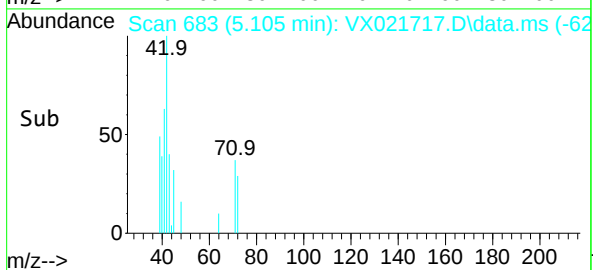
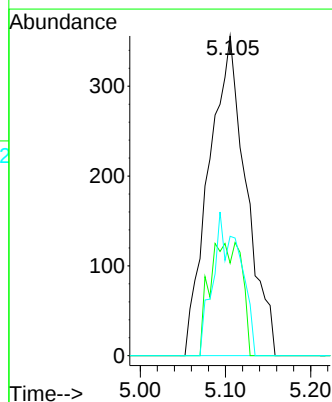
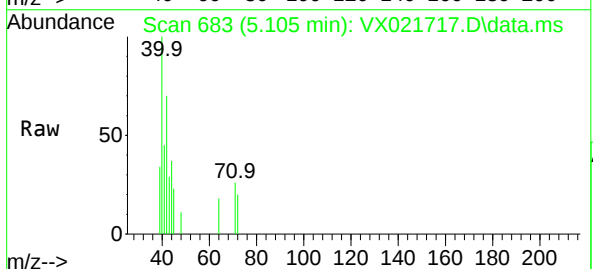
Instrument :
MSVOA_X
ClientSampled :
MW-8

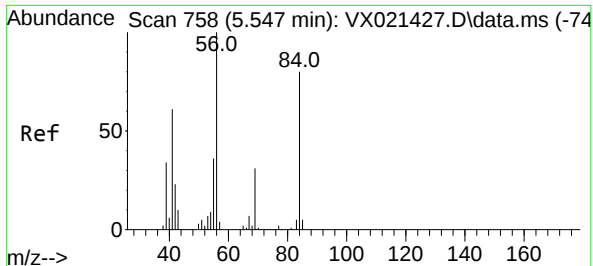
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Ion Ratio Lower Upper
43 100
72 22.4 23.7 35.5#



#29
Tetrahydrofuran
Concen: 3.08 ug/l
RT: 5.105 min Scan# 683
Delta R.T. 0.017 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 42 Resp: 1077
Ion Ratio Lower Upper
42 100
72 30.7 41.7 62.5#
71 32.7 38.4 57.6#

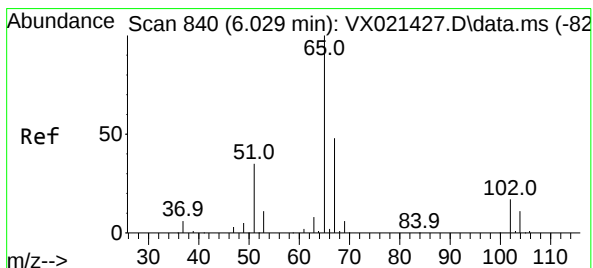
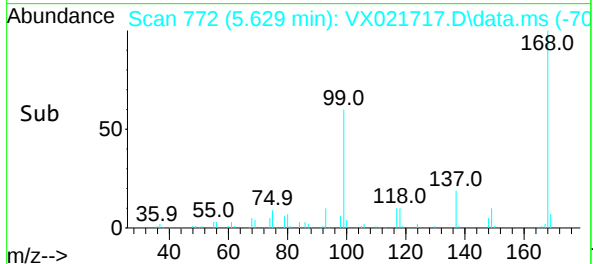
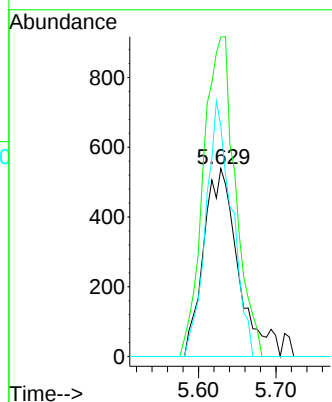
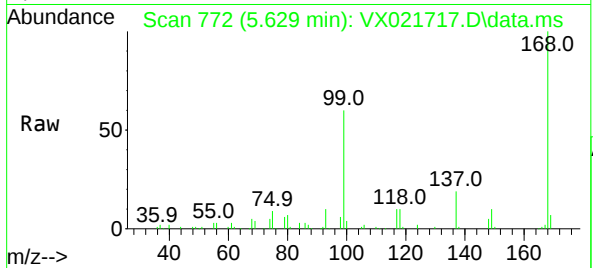




#31
Cyclohexane
Concen: 1.61 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

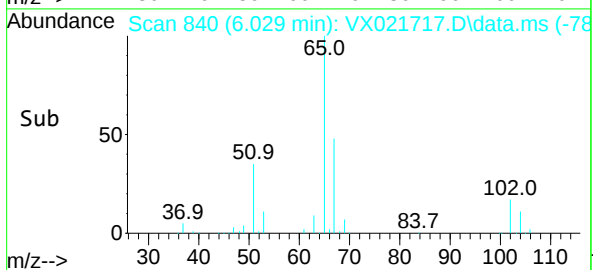
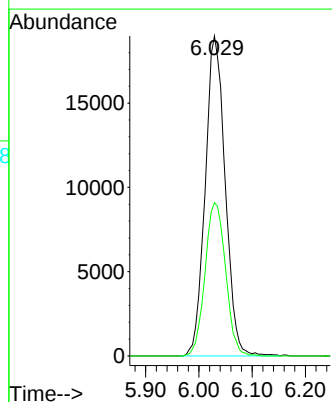
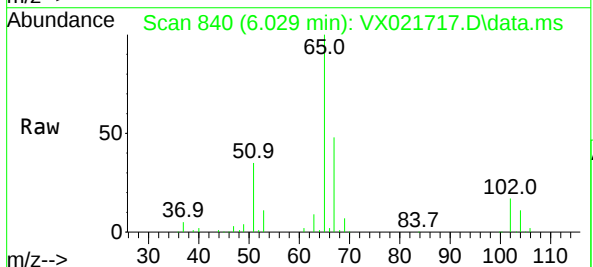
Instrument :
MSVOA_X
ClientSampled :
MW-8

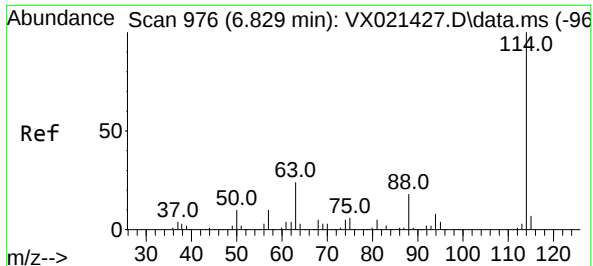
Tgt Ion: 56 Resp: 1667
Ion Ratio Lower Upper
56 100
69 169.9 25.3 37.9#
84 122.4 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.63 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 65 Resp: 49459
Ion Ratio Lower Upper
65 100
67 49.3 0.0 105.4

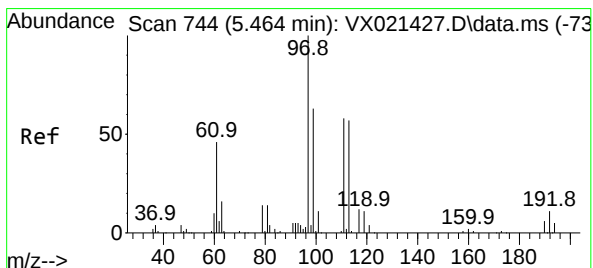
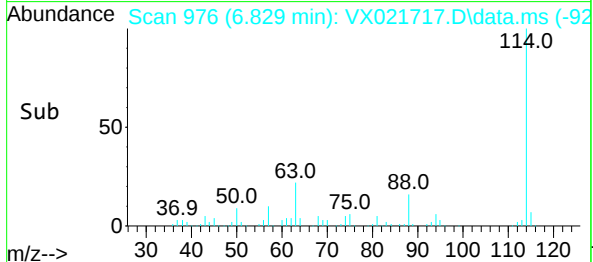
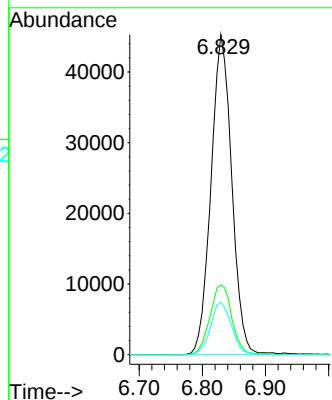
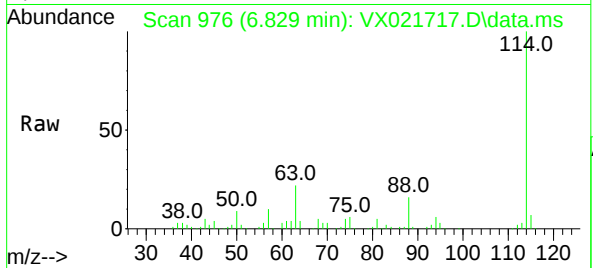




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

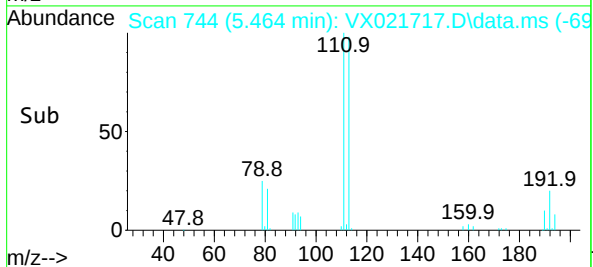
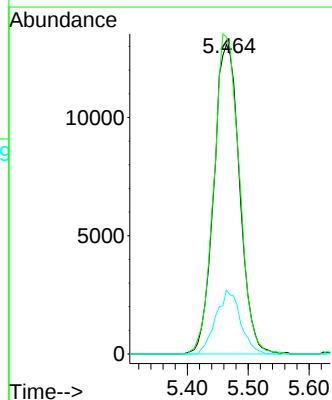
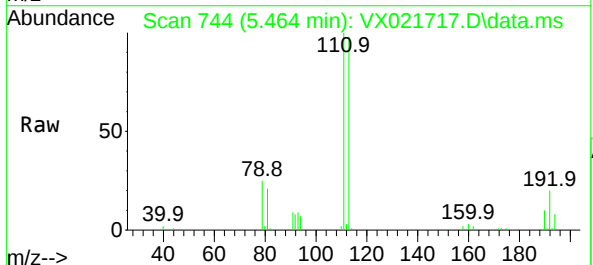
Instrument :
MSVOA_X
ClientSampled :
MW-8

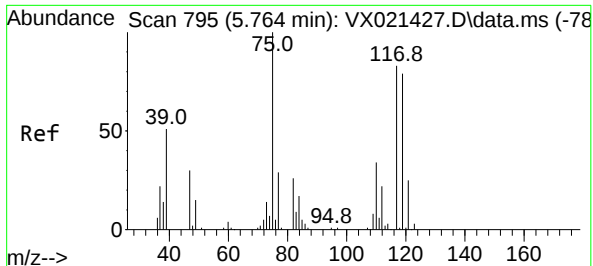
Tgt Ion:114 Resp: 103430
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.32 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion:113 Resp: 38439
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 19.6 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.00 ug/l

RT: 5.629 min Scan# 772

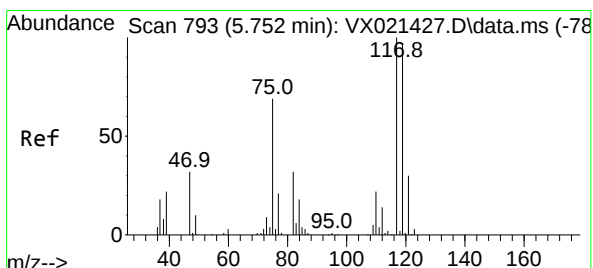
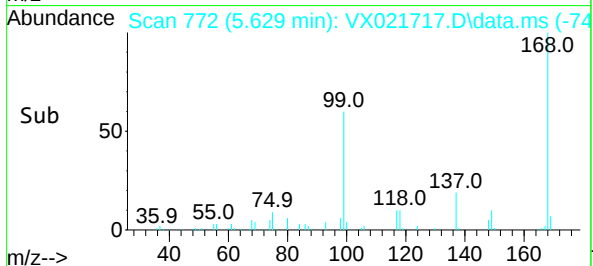
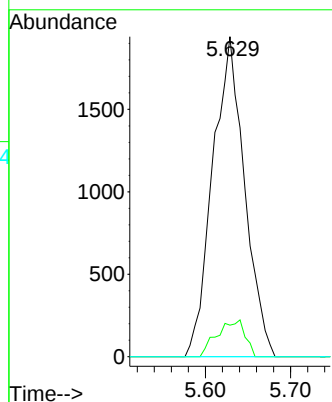
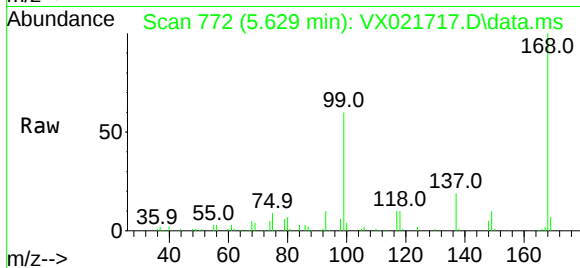
Delta R.T. -0.135 min

Lab File: VX021717.D

Acq: 01 Apr 2021 18:37

Tgt Ion:	75	Resp:	5063
Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampled :
MW-8



#38

Carbon Tetrachloride

Concen: 5.53 ug/l

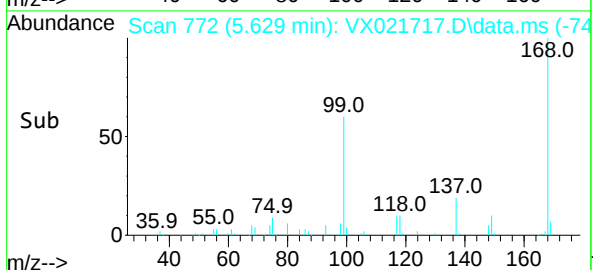
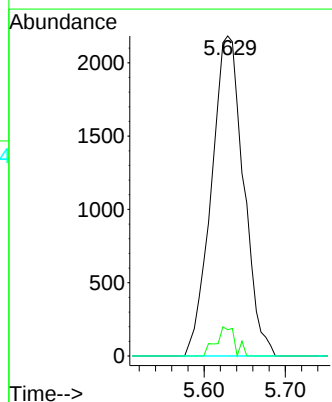
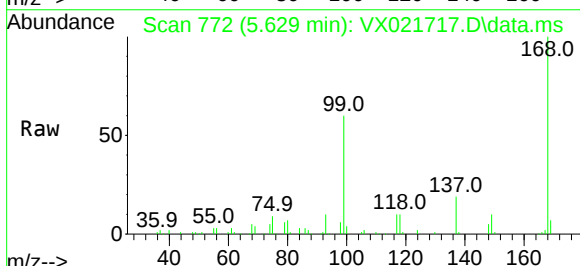
RT: 5.629 min Scan# 772

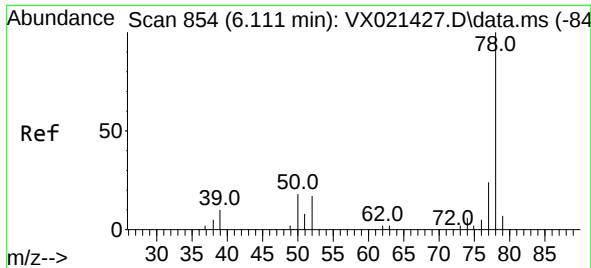
Delta R.T. -0.123 min

Lab File: VX021717.D

Acq: 01 Apr 2021 18:37

Tgt Ion:	117	Resp:	6020
Ion	Ratio	Lower	Upper
117	100		
119	8.2	76.2	114.2#
121	0.0	24.8	37.2#

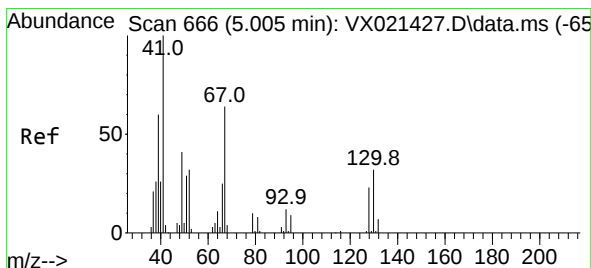
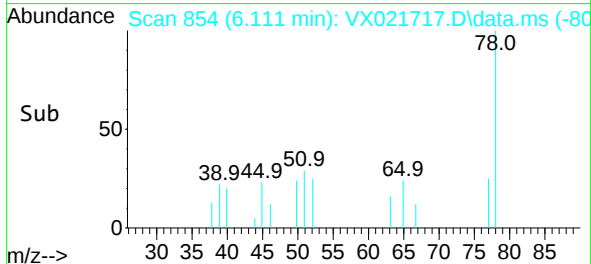
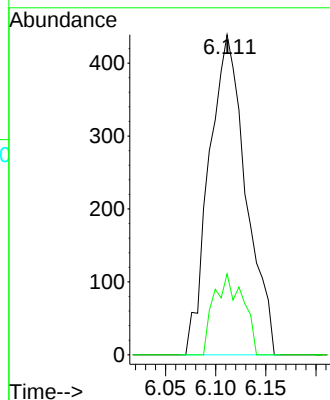
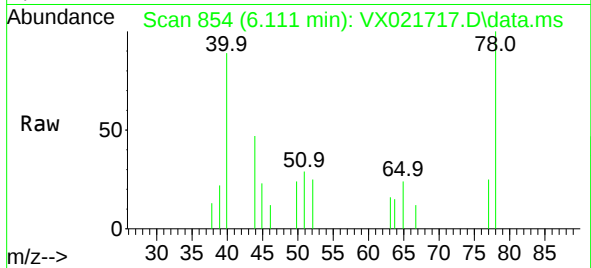




#40
Benzene
Concen: 0.39 ug/l
RT: 6.111 min Scan# 854
Delta R.T. 0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

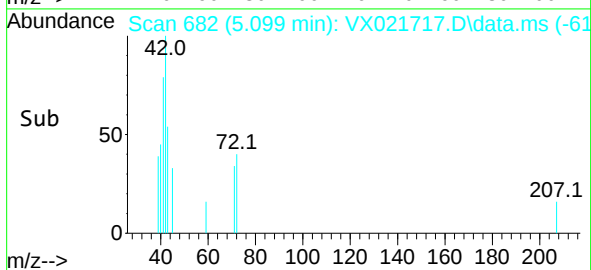
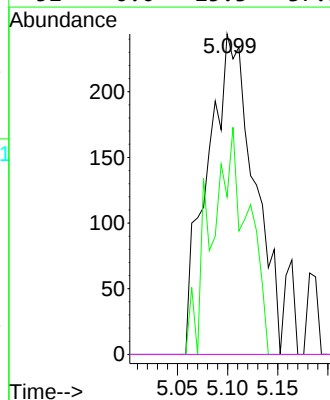
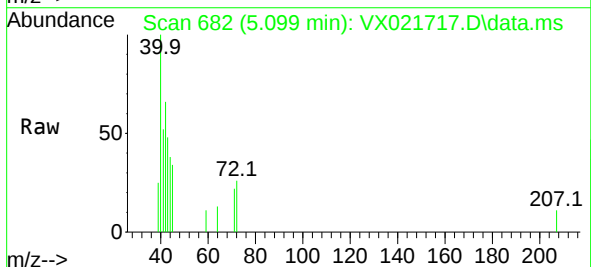
Instrument :
MSVOA_X
ClientSampled :
MW-8

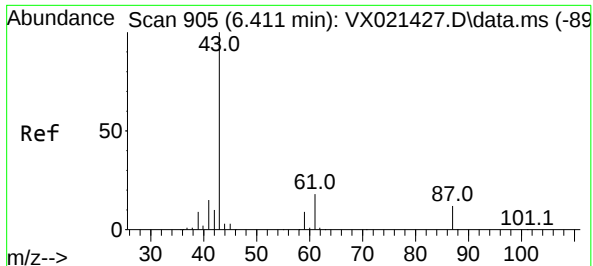
Tgt Ion: 78 Resp: 1122
Ion Ratio Lower Upper
78 100
77 25.3 18.9 28.3



#41
Methacrylonitrile
Concen: 1.16 ug/l
RT: 5.099 min Scan# 682
Delta R.T. 0.094 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 41 Resp: 789
Ion Ratio Lower Upper
41 100
39 55.9 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

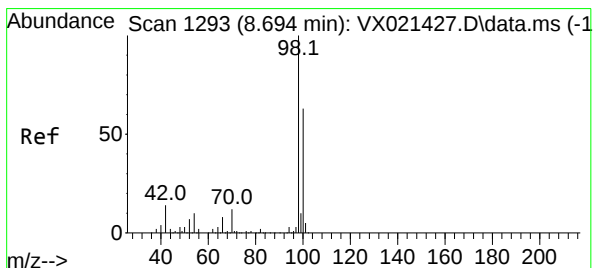
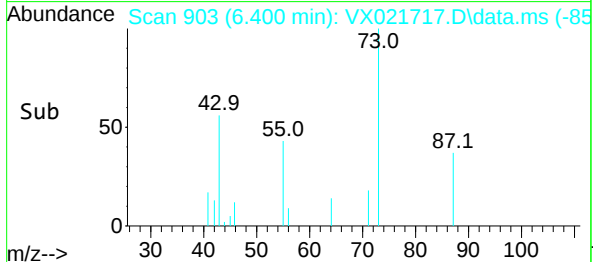
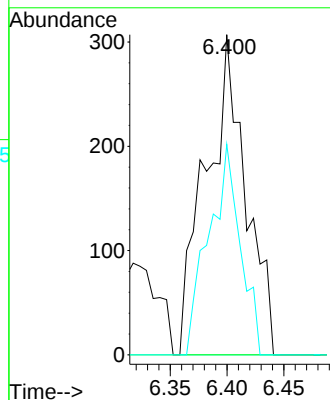
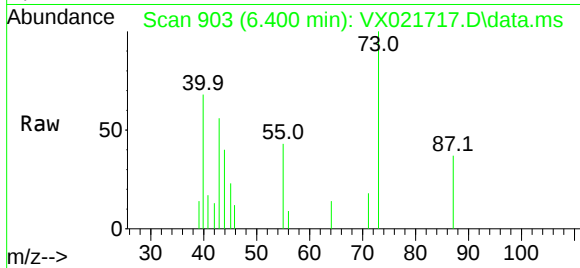




#43
Isopropyl Acetate
Concen: 0.40 ug/l
RT: 6.400 min Scan# 903
Delta R.T. -0.011 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

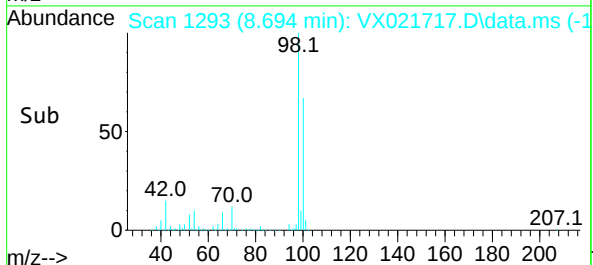
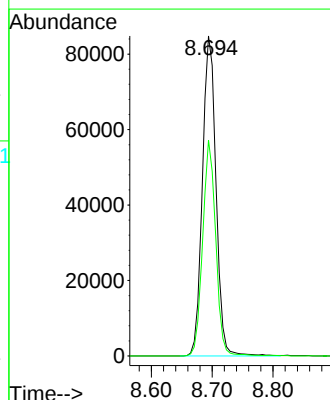
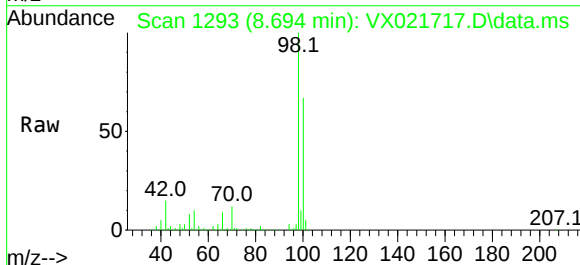
Instrument :
MSVOA_X
ClientSampleId :
MW-8

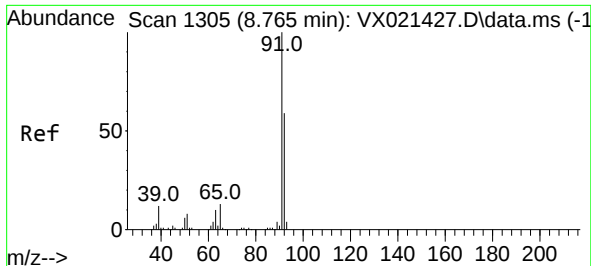
Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
61 0.0 18.2 27.4#
87 52.0 12.5 18.7#



#50
Toluene-d8
Concen: 50.40 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 98 Resp: 131942
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

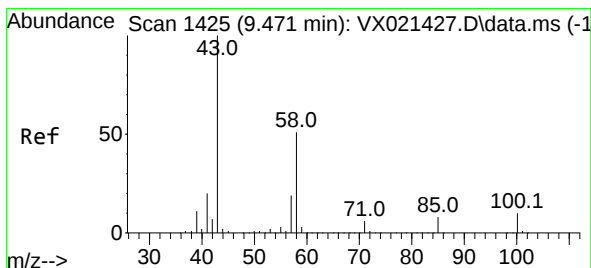
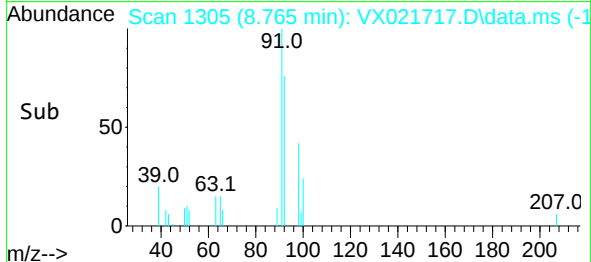
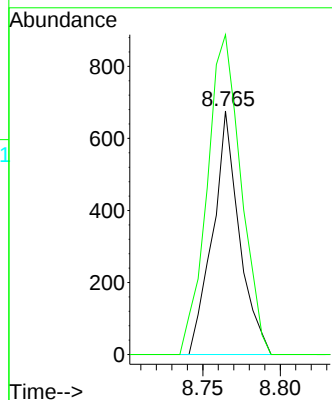
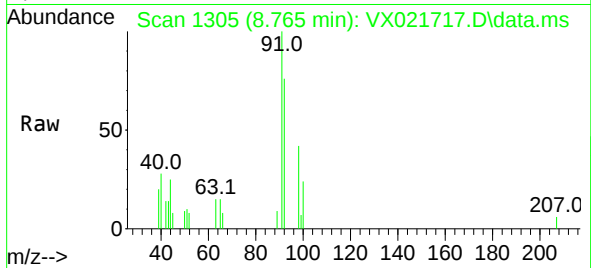




#52
Toluene
Concen: 0.45 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

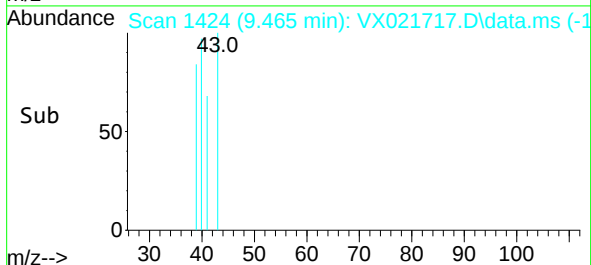
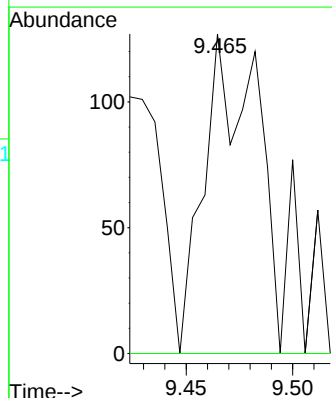
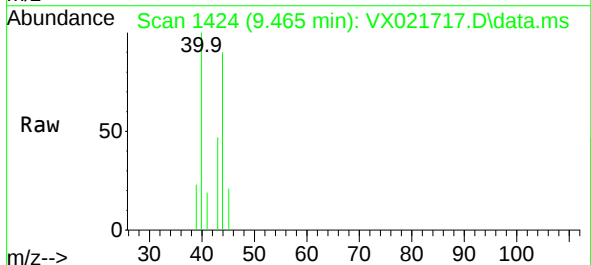
Instrument :
MSVOA_X
ClientSampled :
MW-8

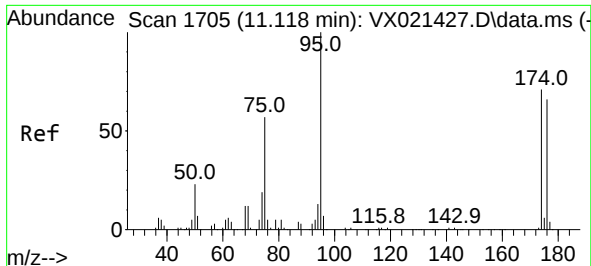
Tgt Ion: 92 Resp: 807
Ion Ratio Lower Upper
92 100
91 167.5 137.1 205.7



#59
2-Hexanone
Concen: 0.25 ug/l
RT: 9.465 min Scan# 1424
Delta R.T. -0.006 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 43 Resp: 218
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

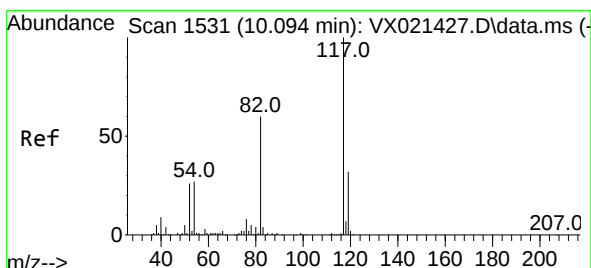
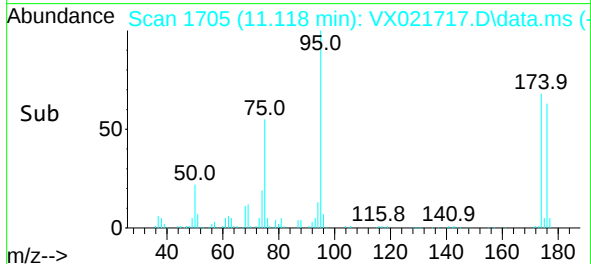
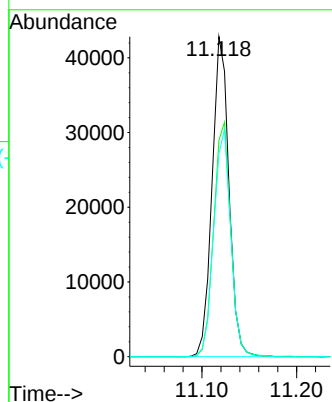
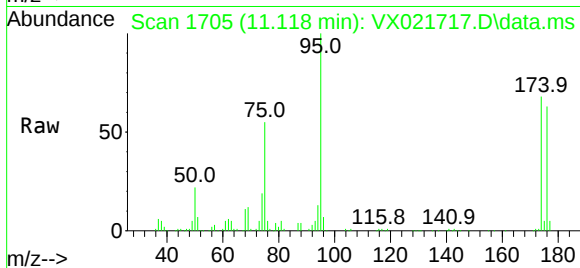




#62
4-Bromofluorobenzene
Concen: 52.10 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

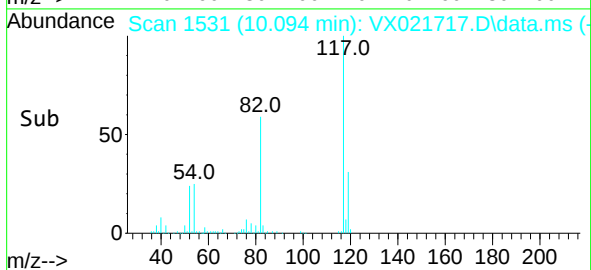
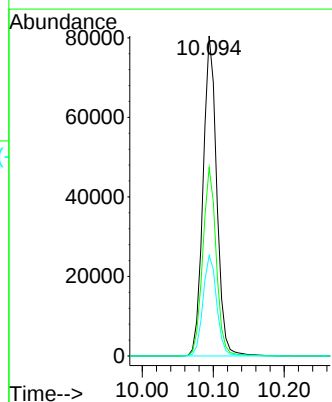
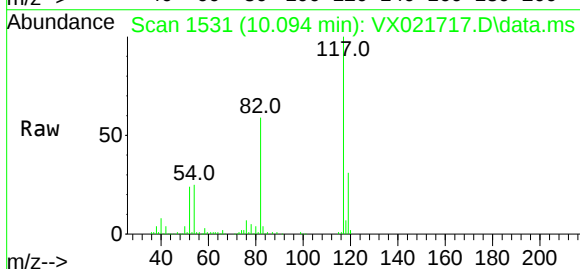
Instrument :
MSVOA_X
ClientSampleId :
MW-8

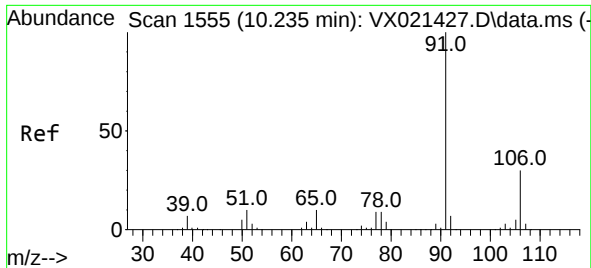
Tgt Ion: 95 Resp: 53031
Ion Ratio Lower Upper
95 100
174 74.2 0.0 154.6
176 71.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 117 Resp: 107970
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 31.4 26.6 39.8

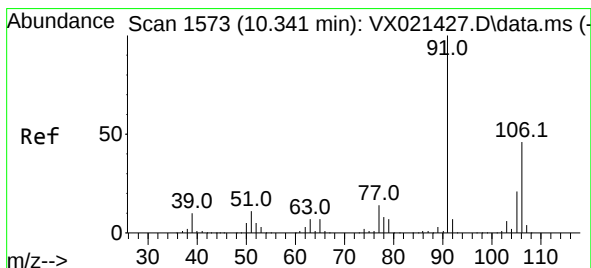
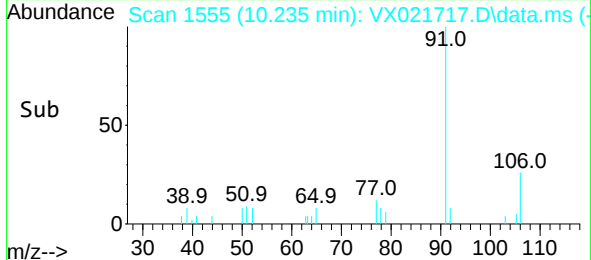
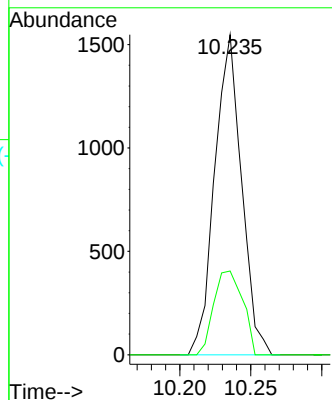
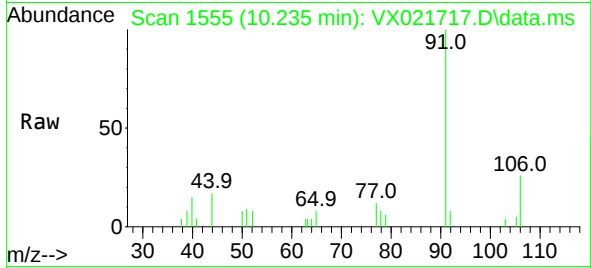




#67
Ethyl Benzene
Concen: 0.51 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

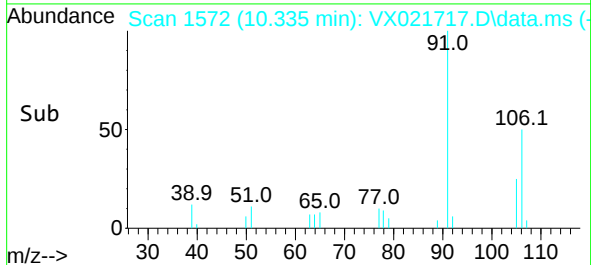
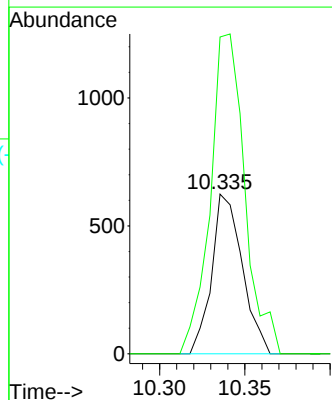
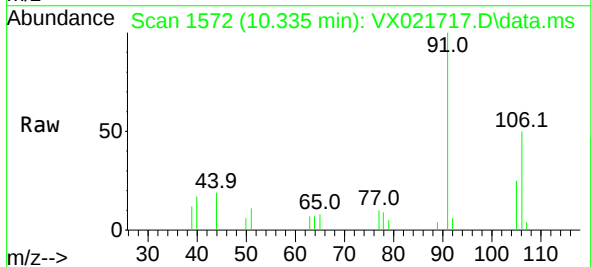
Instrument :
MSVOA_X
ClientSampled :
MW-8

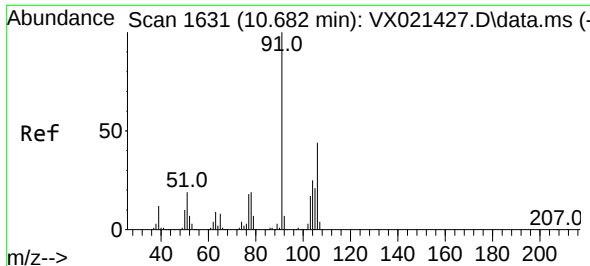
Tgt Ion: 91 Resp: 2033
Ion Ratio Lower Upper
91 100
106 26.2 24.6 37.0



#68
m/p-Xylenes
Concen: 0.55 ug/l
RT: 10.335 min Scan# 1572
Delta R.T. -0.006 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 106 Resp: 778
Ion Ratio Lower Upper
106 100
91 226.6 162.8 244.2

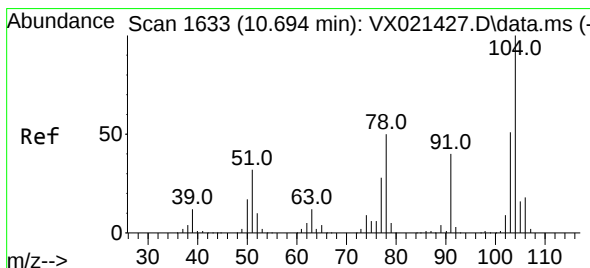
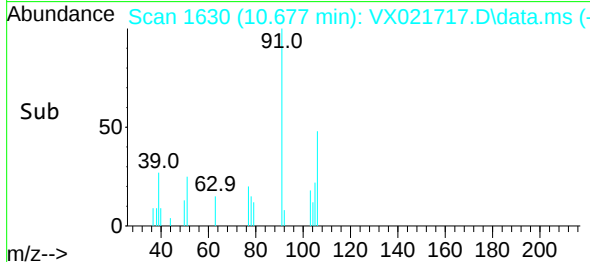
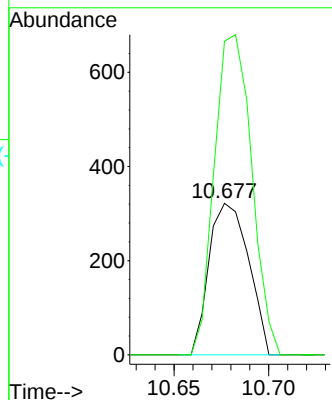
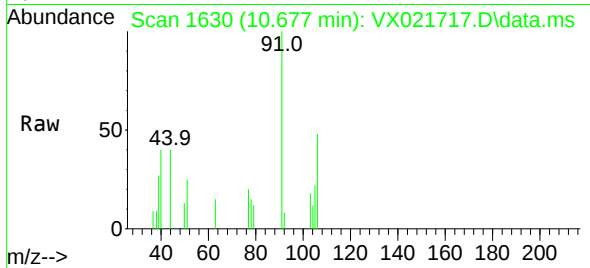




#69
o-Xylene
Concen: 0.34 ug/l
RT: 10.677 min Scan# 1630
Delta R.T. -0.005 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

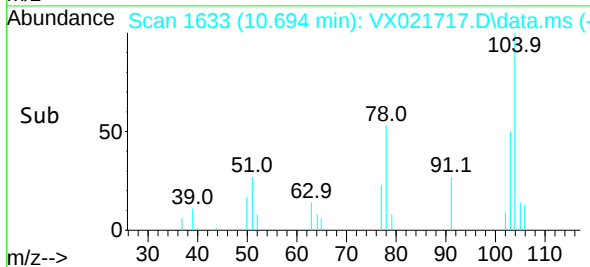
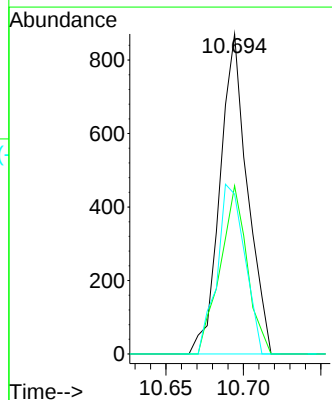
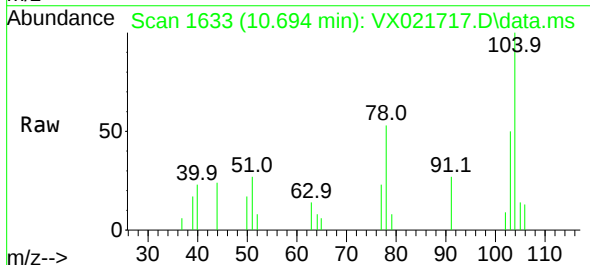
Instrument :
MSVOA_X
ClientSampled :
MW-8

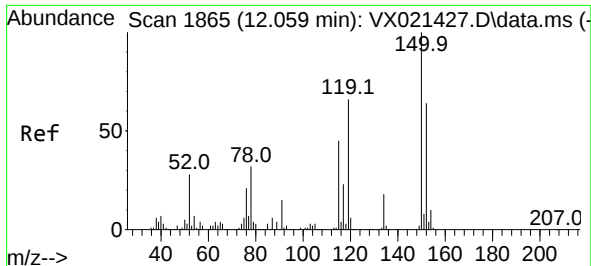
Tgt Ion:106 Resp: 468
Ion Ratio Lower Upper
106 100
91 199.8 108.1 324.2



#70
Styrene
Concen: 0.46 ug/l
RT: 10.694 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion:104 Resp: 1069
Ion Ratio Lower Upper
104 100
78 51.6 40.0 60.0
103 53.3 43.4 65.0

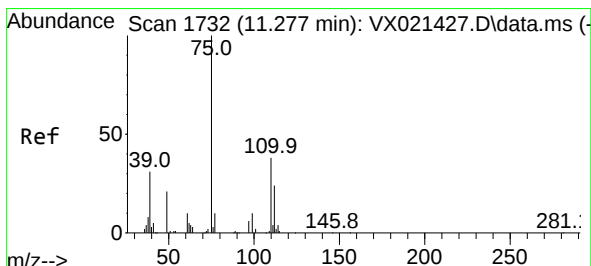
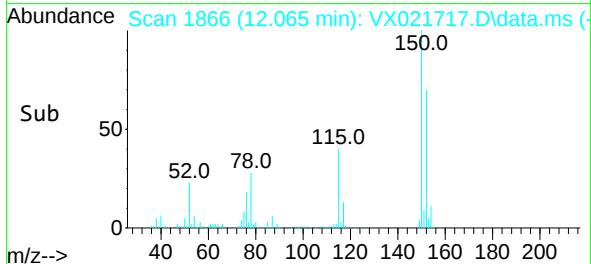
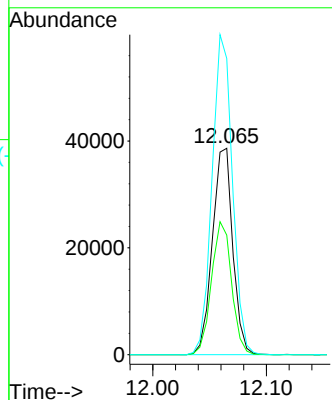
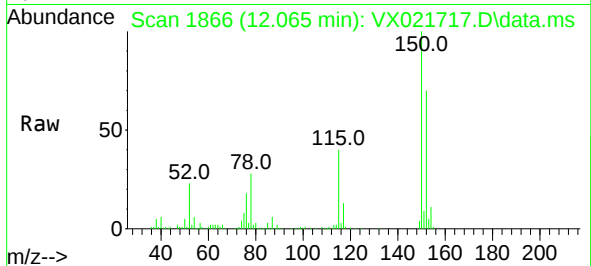




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

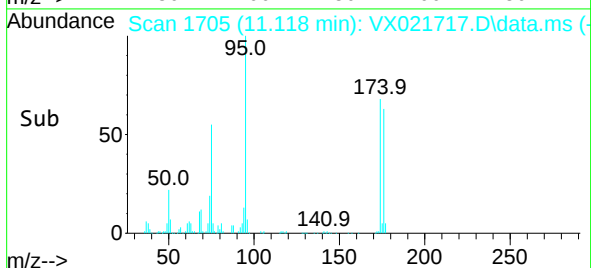
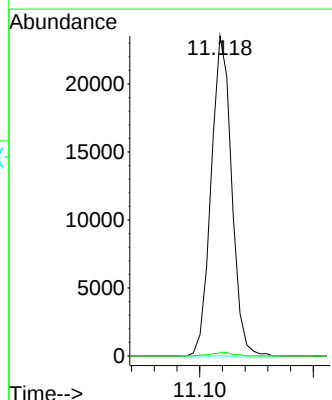
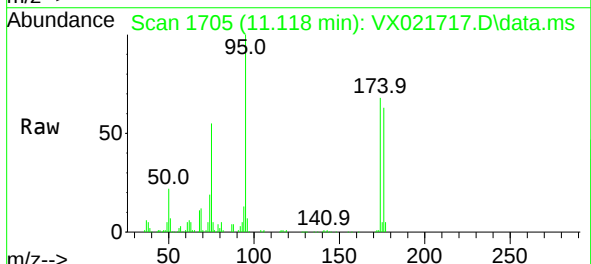
Instrument :
MSVOA_X
ClientSampled :
MW-8

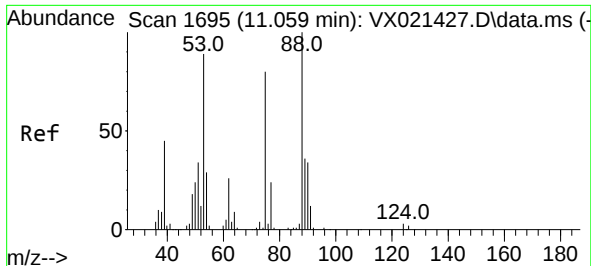
Tgt Ion:152 Resp: 48184
Ion Ratio Lower Upper
152 100
115 63.3 41.1 123.3
150 154.5 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.27 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Tgt Ion: 75 Resp: 29472
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

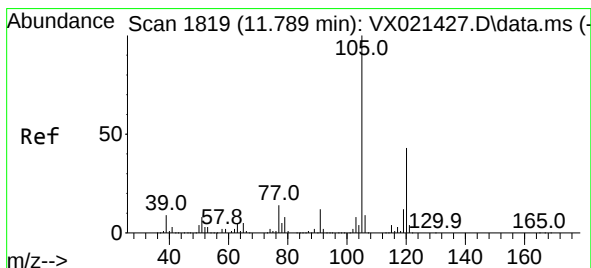
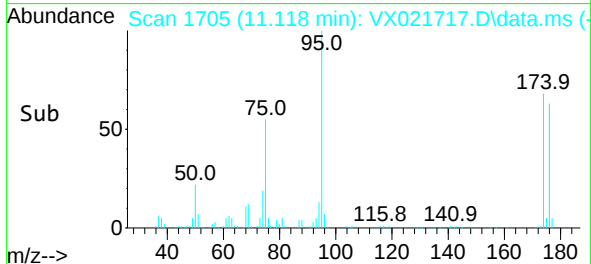
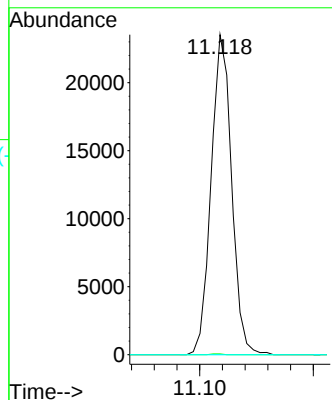
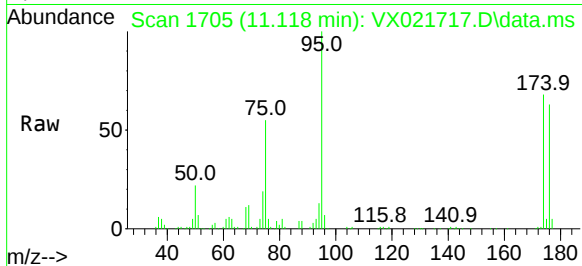




#81
trans-1,4-Dichloro-2-butene
Concen: 80.03 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

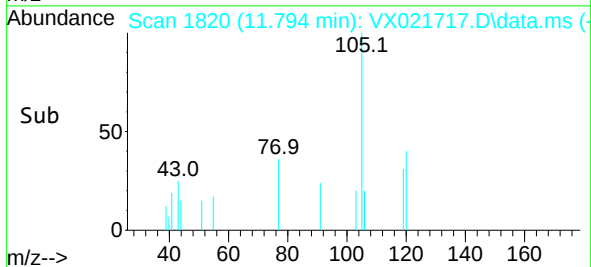
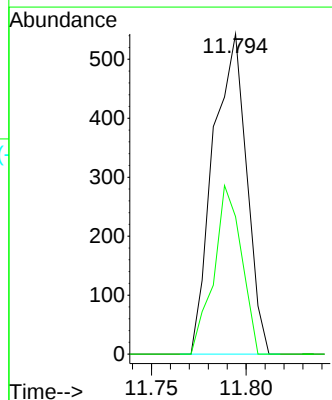
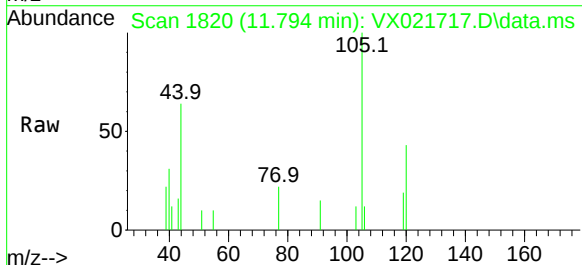
Instrument :
MSVOA_X
ClientSampled :
MW-8

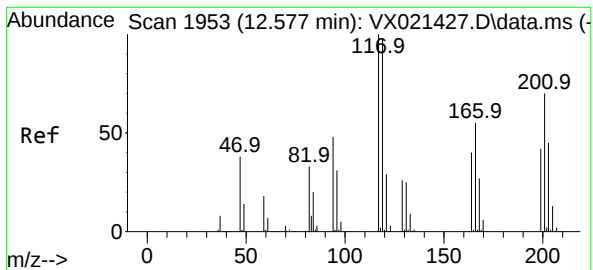
Tgt Ion: 75 Resp: 29472
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.23 ug/l
RT: 11.794 min Scan# 1820
Delta R.T. 0.005 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

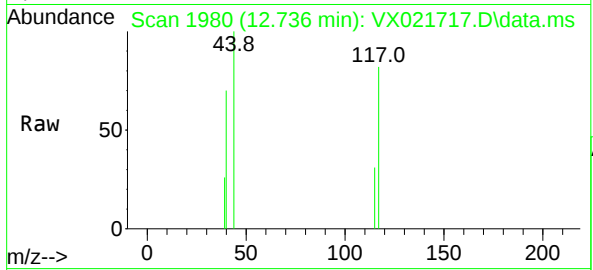
Tgt Ion: 105 Resp: 664
Ion Ratio Lower Upper
105 100
120 43.7 22.4 67.3





#90
Hexachloroethane
Concen: 0.35 ug/l
RT: 12.736 min Scan# 1980
Delta R.T. 0.159 min
Lab File: VX021717.D
Acq: 01 Apr 2021 18:37

Instrument :
MSVOA_X
ClientSampleId :
MW-8



Tgt Ion:117 Resp: 186
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

