

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV070221\
 Data File : VV021598.D
 Acq On : 02 Jul 2021 15:16
 Operator : SY/MD
 Sample : M2914-14
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBK43

Quant Time: Jul 03 00:08:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 03 00:01:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	454930	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	422588	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	212185	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	110423	38.364	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.720%		
7) Chloroethane-d5	1.564	69	89019	37.840	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	75.680%		
11) 1,1-Dichloroethene-d2	2.105	63	163952	31.132	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.260%		
21) 2-Butanone-d5	3.886	46	281329	114.443	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	114.440%		
24) Chloroform-d	4.349	84	264974	44.012	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.020%		
26) 1,2-Dichloroethane-d4	5.034	65	163935	46.211	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.420%		
32) Benzene-d6	5.050	84	544283	45.872	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.740%		
36) 1,2-Dichloropropane-d6	6.072	67	175649	46.936	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.880%		
41) Toluene-d8	7.317	98	497136	45.304	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.600%		
43) trans-1,3-Dichloroprop...	7.622	79	82730	44.440	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.880%		
47) 2-Hexanone-d5	8.088	63	210127	121.047	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	121.050%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	255282	50.630	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.260%		
66) 1,2-Dichlorobenzene-d4	11.625	152	198956	47.032	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.060%		
Target Compounds						Qvalue
8) Chloroethane	1.417	64	40535	18.801	ug/L #	53
13) Acetone	2.179	43	990118	487.199	ug/L #	100
14) Carbon disulfide	2.291	76	7523	0.821	ug/L	99
15) Methyl Acetate	2.355	43	32798	8.685	ug/L #	60
16) Methylene chloride	2.507	84	5362	1.520	ug/L	97
25) Chloroform	4.378	83	37860	6.432	ug/L	98
37) 1,2-Dichloropropane	6.072	63	18565	5.554	ug/L #	86
39) cis-1,3-Dichloropropene	6.989	75	5078	0.921	ug/L #	69
42) Toluene	7.391	91	106735	7.748	ug/L	99
44) trans-1,3-Dichloropropene	7.625	75	3555	0.691	ug/L	88
48) 2-Hexanone	8.088	43	22706	5.854	ug/L #	60
52) Ethylbenzene	9.021	91	17145	1.146	ug/L	95
53) m,p-Xylene	9.140	106	34155	5.947	ug/L	91
54) o-Xylene	9.548	106	34174	5.964	ug/L	97
60) Isopropylbenzene	9.934	105	39512	2.730	ug/L	97
62) 1,3,5-Trimethylbenzene	10.542	105	427843	34.687	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	1483097	118.816	ug/L	100
71) Naphthalene	13.509	128	9596	0.720	ug/L #	91

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Quant Time: Jul 03 00:08:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062921WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 03 00:01:46 2021
Response via : Initial Calibration

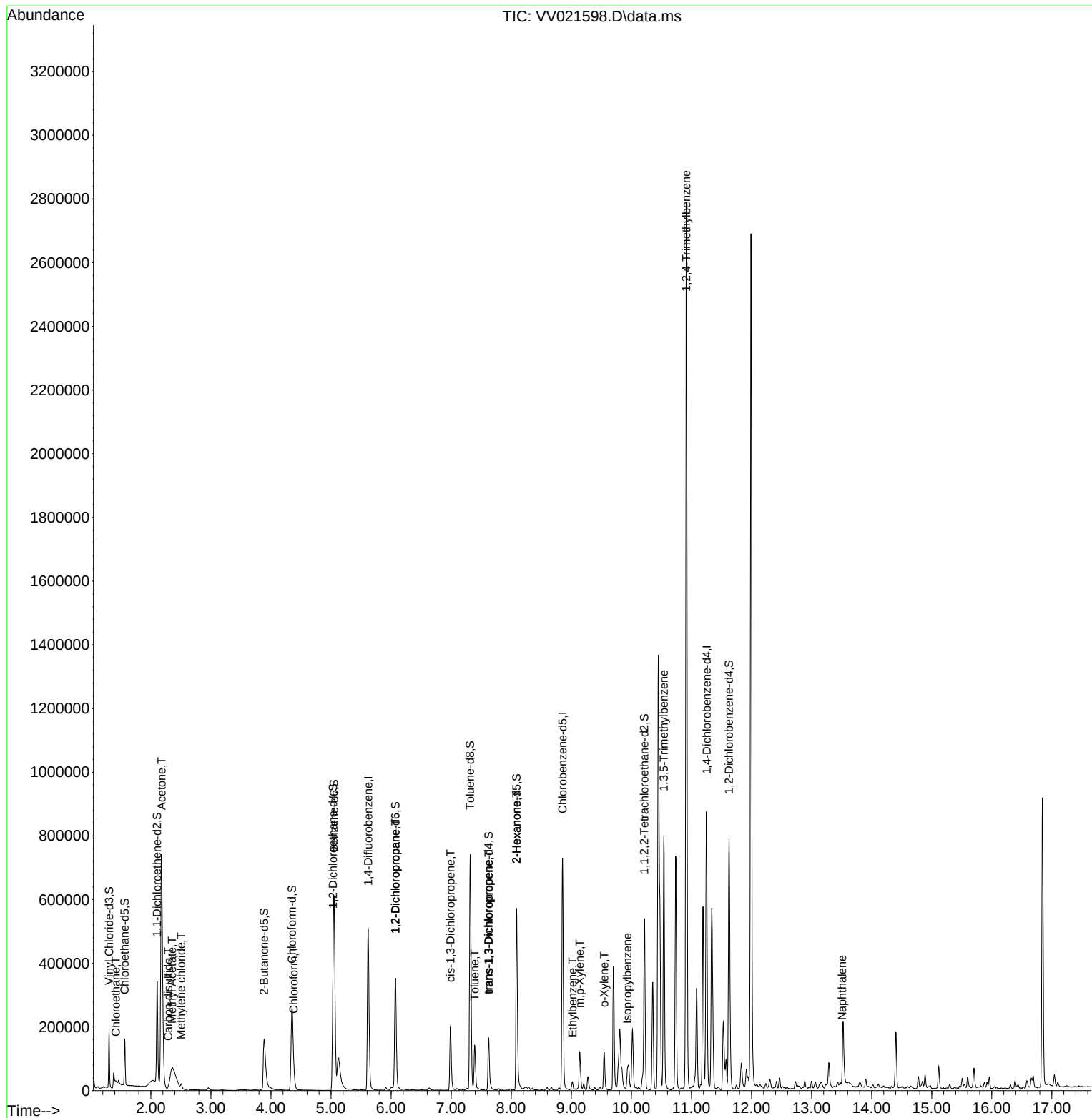
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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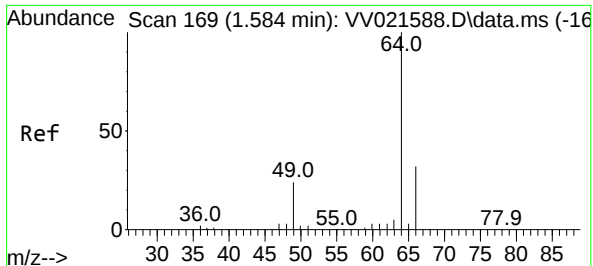
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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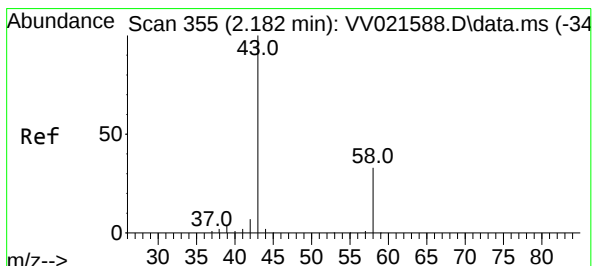
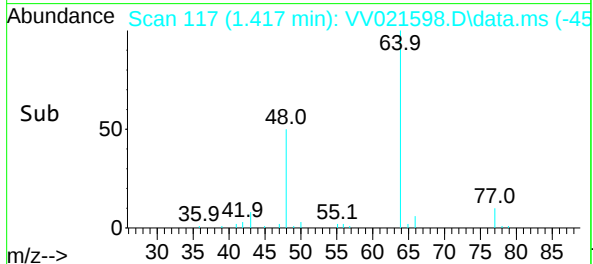
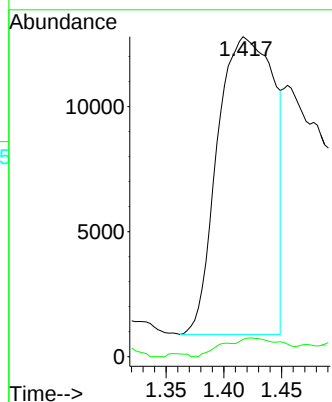
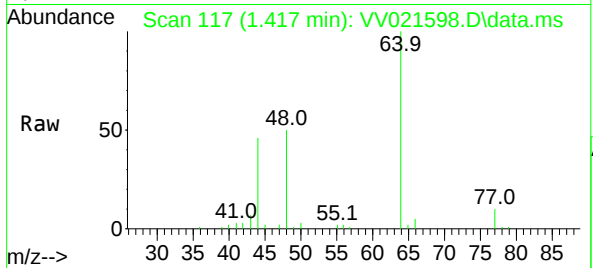




#8
Chloroethane
Concen: 18.801 ug/L
RT: 1.417 min Scan# 117
Delta R.T. -0.167 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

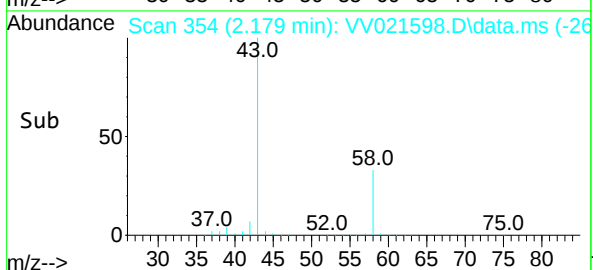
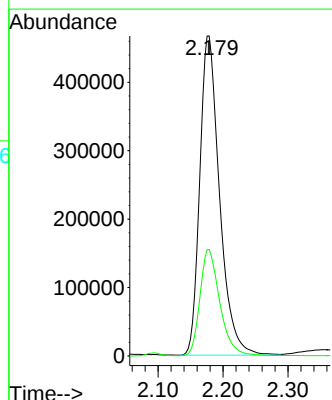
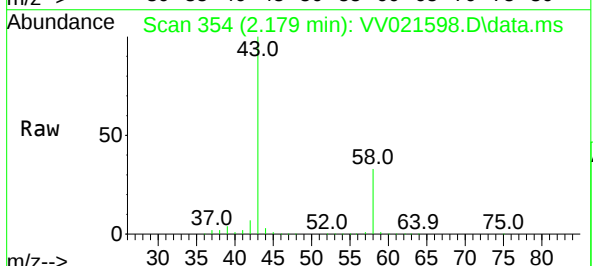
Instrument :
MSVOA_V
ClientSampled :
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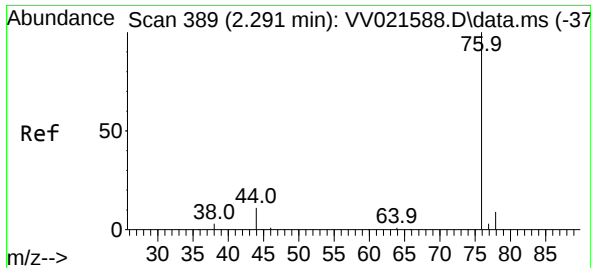
Tgt Ion: 64 Resp: 40535
Ion Ratio Lower Upper
64 100
66 5.4 22.3 41.3#



#13
Acetone
Concen: 487.199 ug/L
RT: 2.179 min Scan# 354
Delta R.T. -0.003 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

Tgt Ion: 43 Resp: 990118
Ion Ratio Lower Upper
43 100
58 33.5 0.0 0.0#

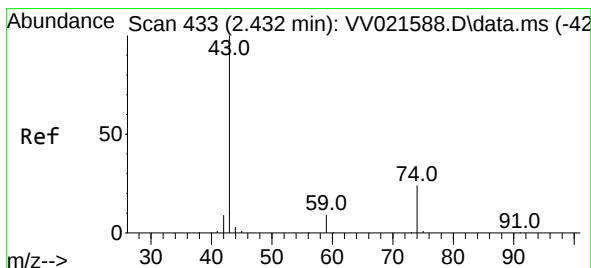
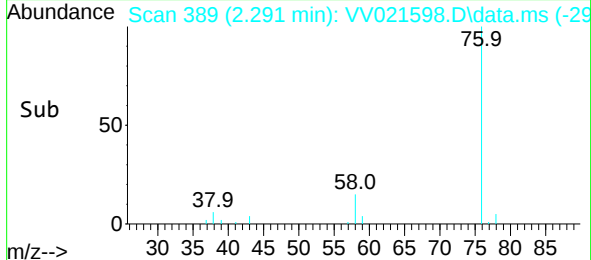
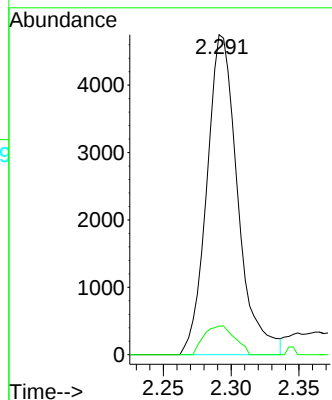
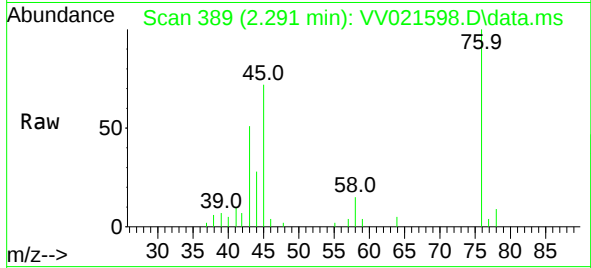




#14
Carbon disulfide
Concen: 0.821 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.000 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

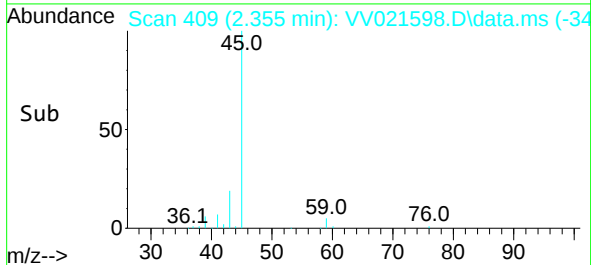
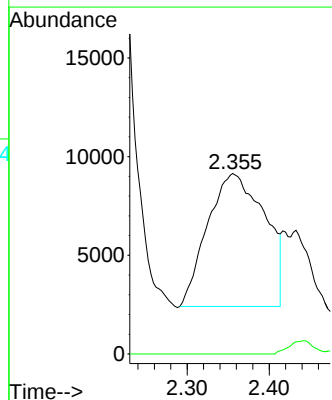
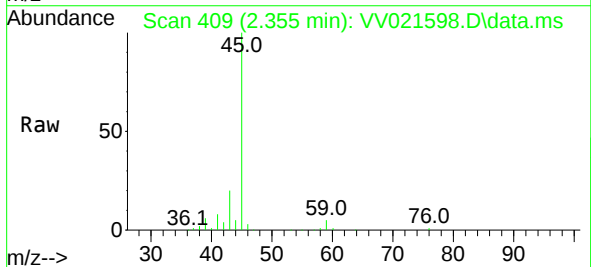
Instrument :
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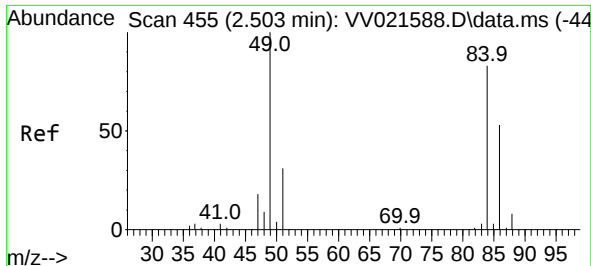
Tgt Ion: 76 Resp: 7523
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#15
Methyl Acetate
Concen: 8.685 ug/L
RT: 2.355 min Scan# 409
Delta R.T. -0.077 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

Tgt Ion: 43 Resp: 32798
Ion Ratio Lower Upper
43 100
74 4.3 19.0 28.6#

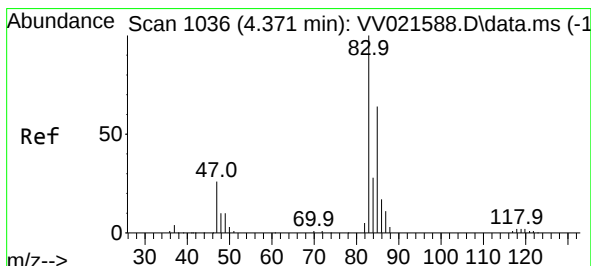
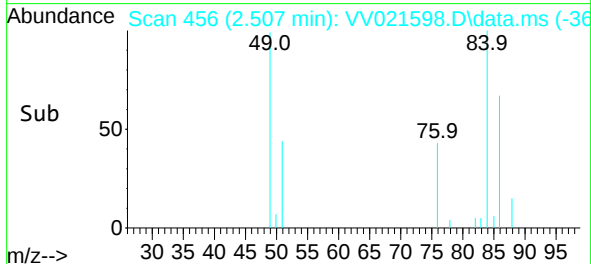
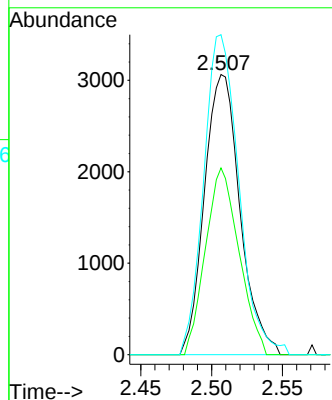
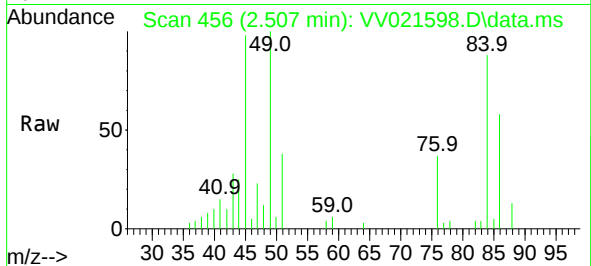




#16
Methylene chloride
Concen: 1.520 ug/L
RT: 2.507 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

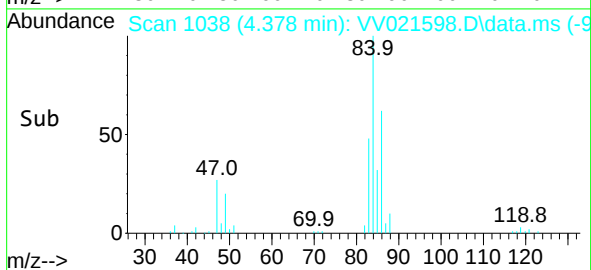
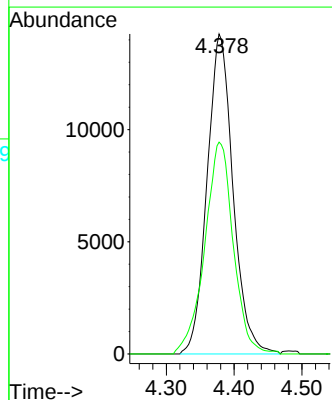
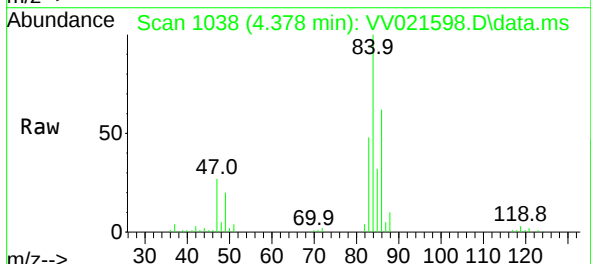
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ClientSampleId :
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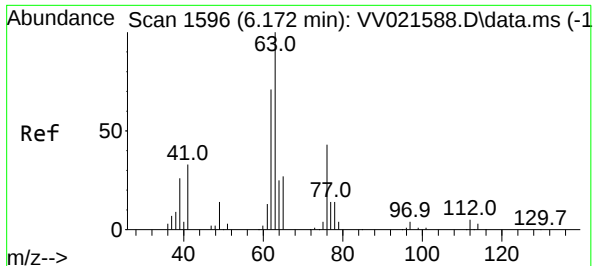
Tgt Ion: 84 Resp: 5362
Ion Ratio Lower Upper
84 100
86 66.6 45.1 83.9
49 114.2 82.5 153.3



#25
Chloroform
Concen: 6.432 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

Tgt Ion: 83 Resp: 37860
Ion Ratio Lower Upper
83 100
85 66.2 45.1 83.7

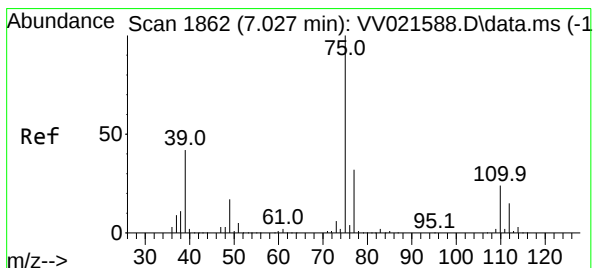
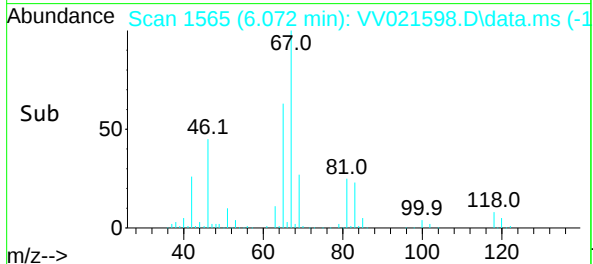
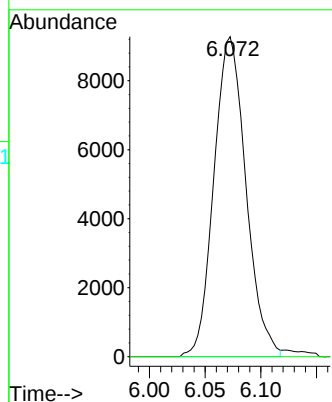
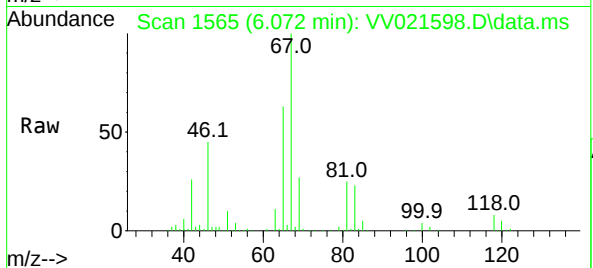




#37
1,2-Dichloropropane
Concen: 5.554 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.100 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

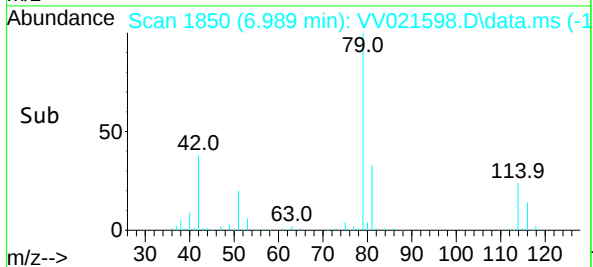
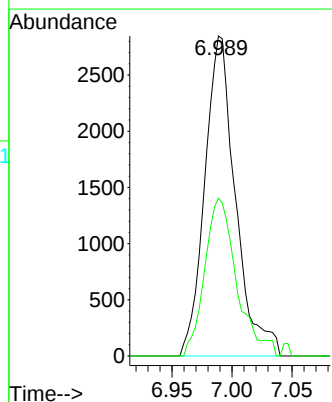
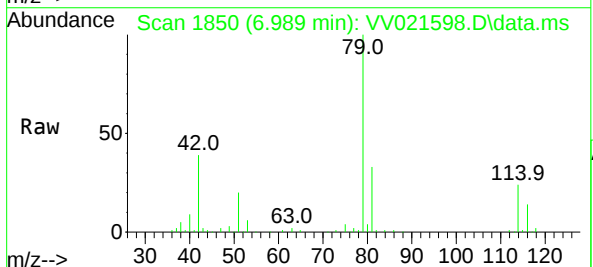
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ClientSampled :
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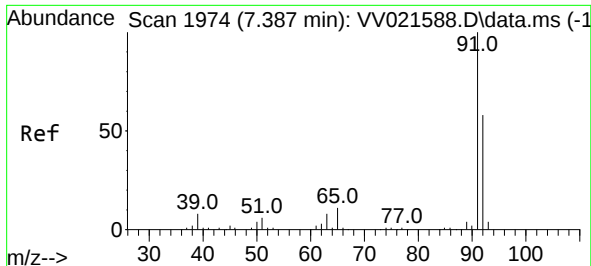
Tgt Ion: 63 Resp: 18565
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



#39
cis-1,3-Dichloropropene
Concen: 0.921 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.038 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

Tgt Ion: 75 Resp: 5078
Ion Ratio Lower Upper
75 100
77 49.3 22.5 41.7#

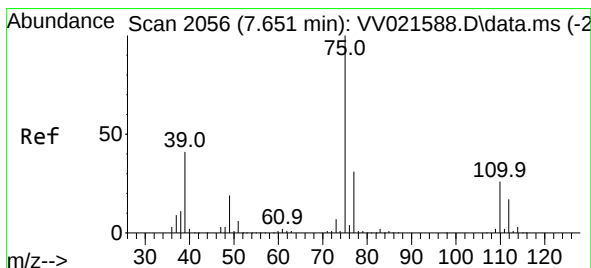
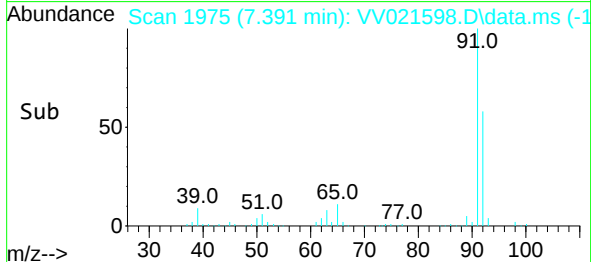
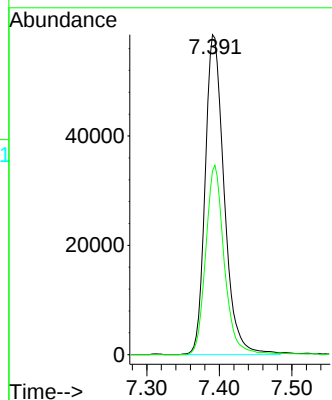
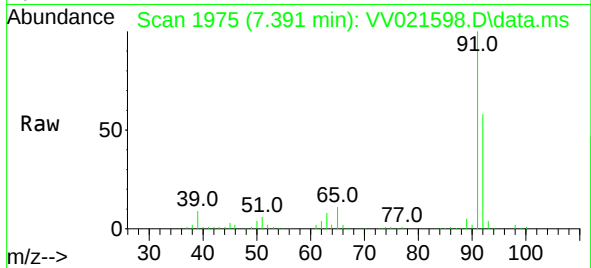




#42
Toluene
Concen: 7.748 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.003 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

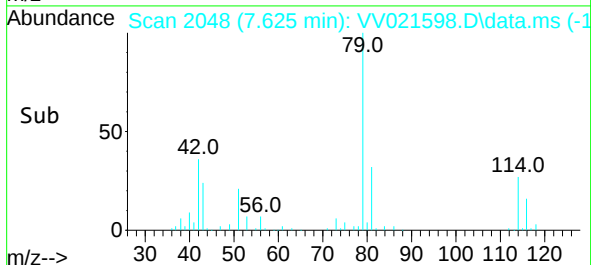
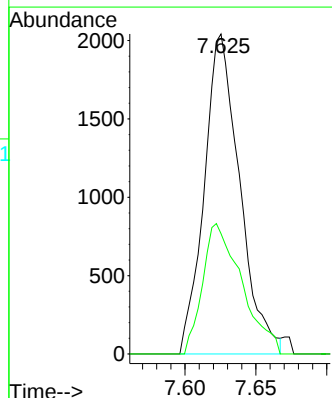
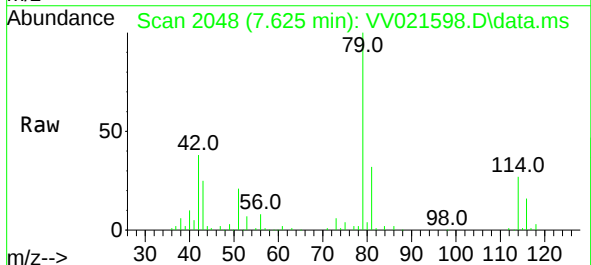
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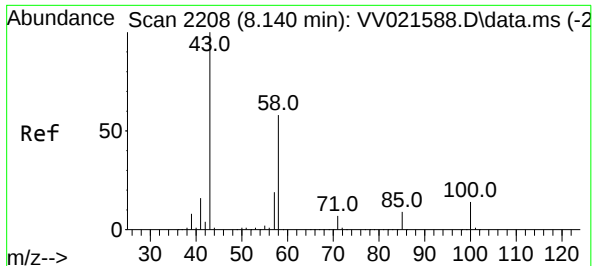
Tgt Ion: 91 Resp: 106735
Ion Ratio Lower Upper
91 100
92 57.5 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 0.691 ug/L
RT: 7.625 min Scan# 2048
Delta R.T. -0.026 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

Tgt Ion: 75 Resp: 3555
Ion Ratio Lower Upper
75 100
77 37.6 21.8 40.4

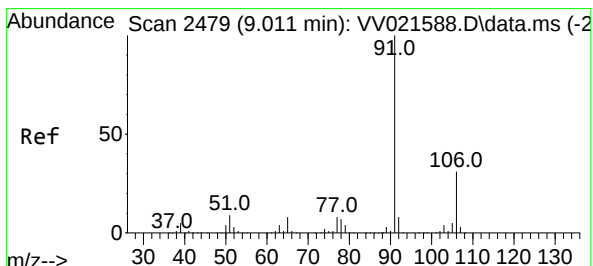
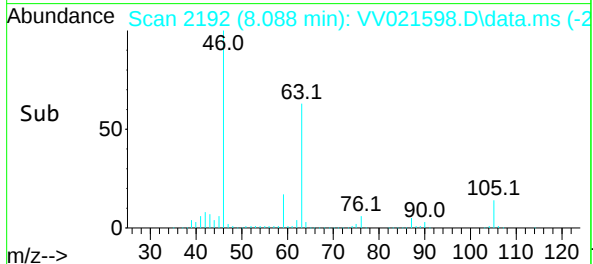
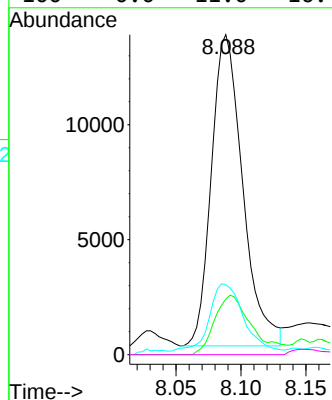
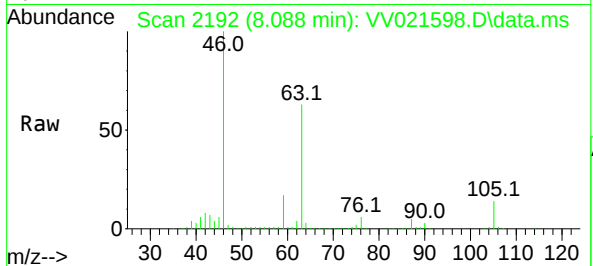




#48
2-Hexanone
Concen: 5.854 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. -0.051 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

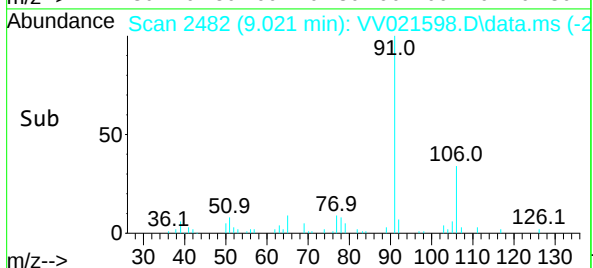
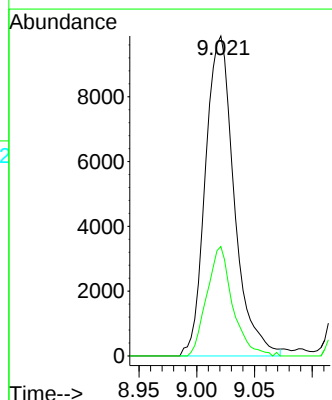
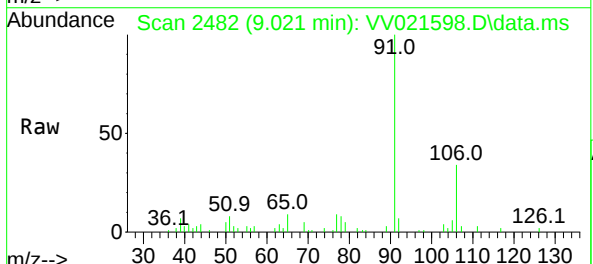
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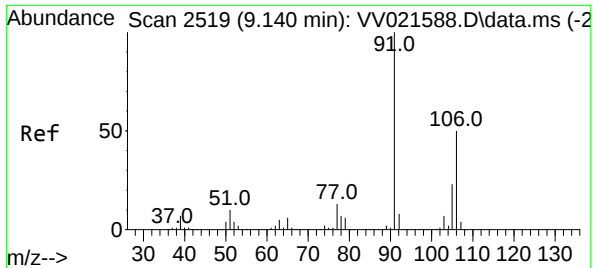
Tgt Ion: 43	Resp: 22706
Ion Ratio	Lower Upper
43 100	
58 20.9	46.7 70.1#
57 25.6	15.5 23.3#
100 0.0	11.0 16.4#



#52
Ethylbenzene
Concen: 1.146 ug/L
RT: 9.021 min Scan# 2482
Delta R.T. 0.010 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

Tgt Ion: 91	Resp: 17145
Ion Ratio	Lower Upper
91 100	
106 34.2	21.8 40.6

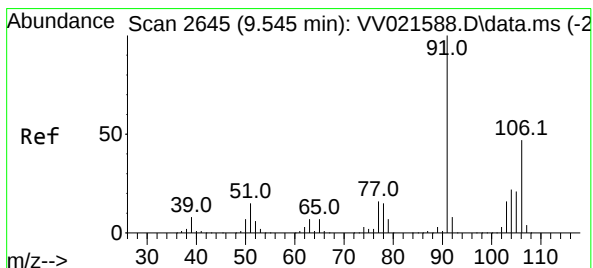
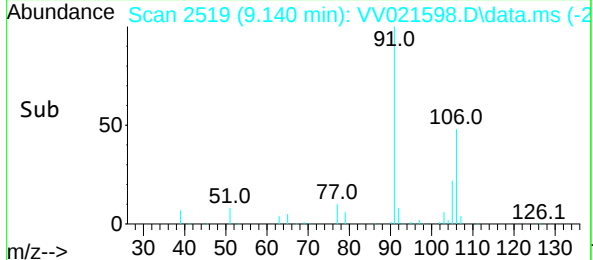
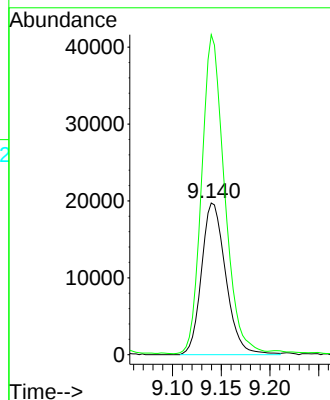
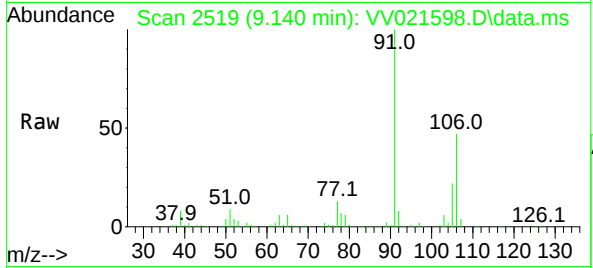




#53
m,p-Xylene
Concen: 5.947 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.000 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

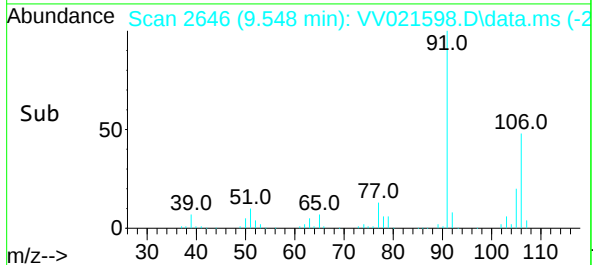
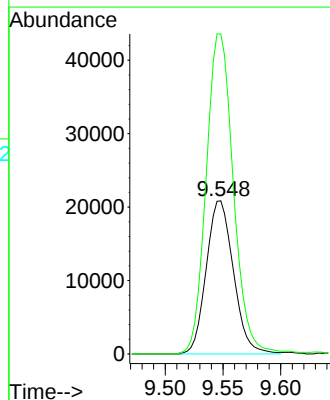
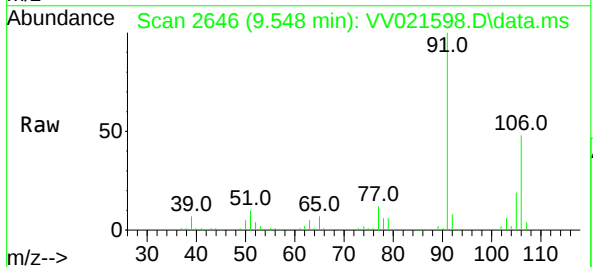
Instrument :
MSVOA_V
ClientSampled :
DBK43

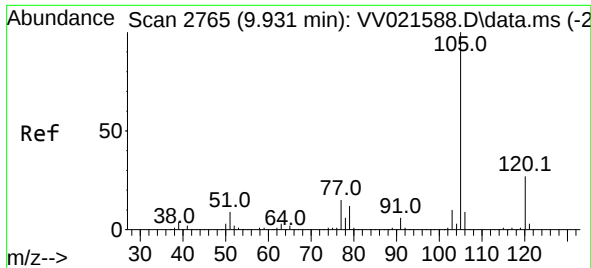
Tgt Ion:106 Resp: 34155
Ion Ratio Lower Upper
106 100
91 211.0 138.7 257.5



#54
o-Xylene
Concen: 5.964 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.003 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

Tgt Ion:106 Resp: 34174
Ion Ratio Lower Upper
106 100
91 208.9 149.0 276.8

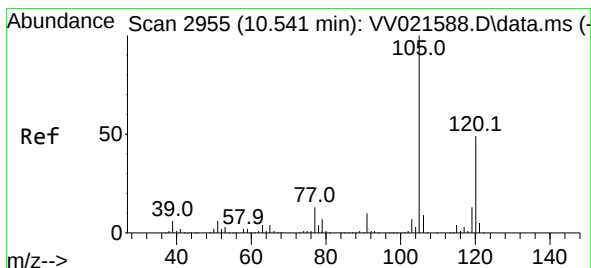
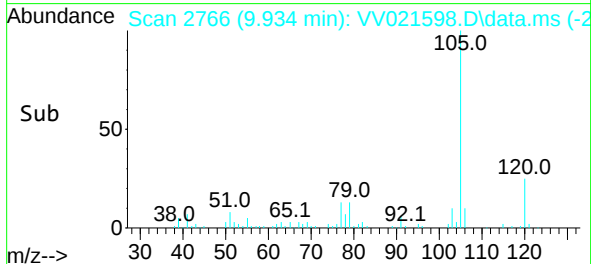
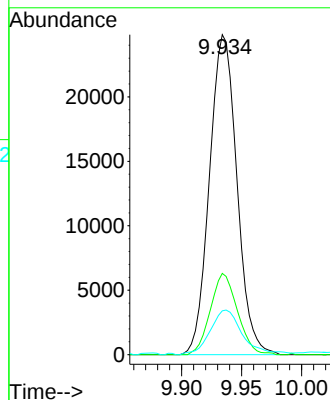
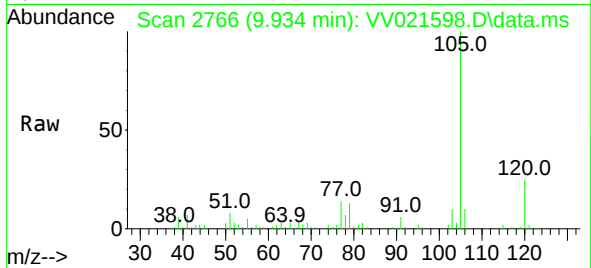




#60
Isopropylbenzene
Concen: 2.730 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

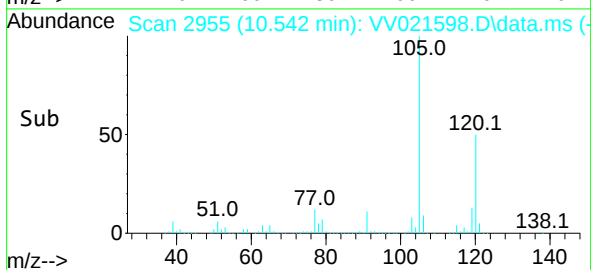
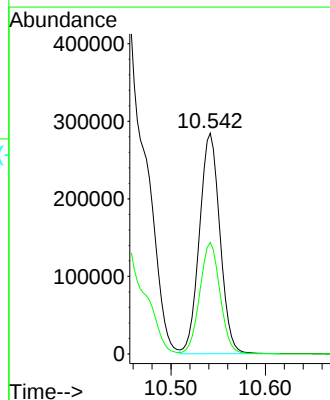
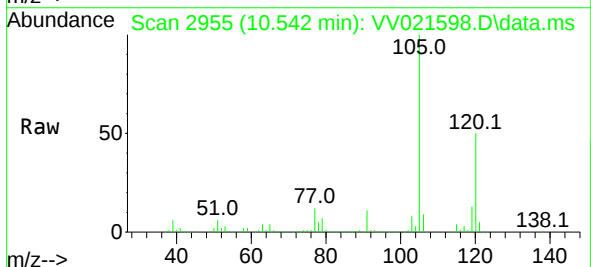
Instrument :
MSVOA_V
ClientSampleId :
DBK43

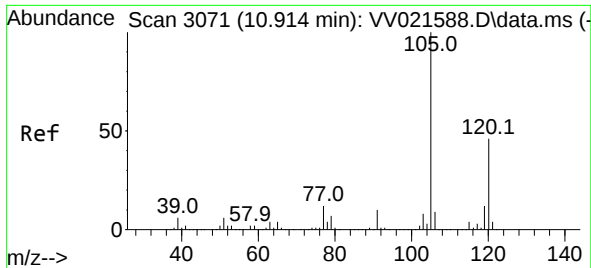
Tgt Ion:105 Resp: 39512
Ion Ratio Lower Upper
105 100
120 25.0 21.5 32.3
77 16.1 12.0 18.0



#62
1,3,5-Trimethylbenzene
Concen: 34.687 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.000 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

Tgt Ion:105 Resp: 427843
Ion Ratio Lower Upper
105 100
120 49.9 40.0 60.0

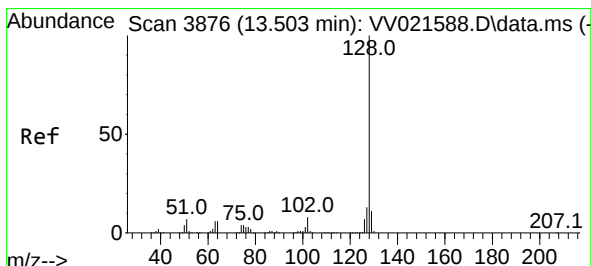
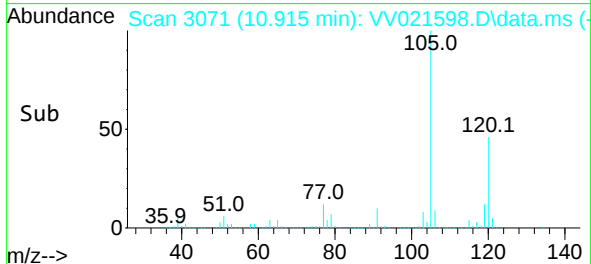
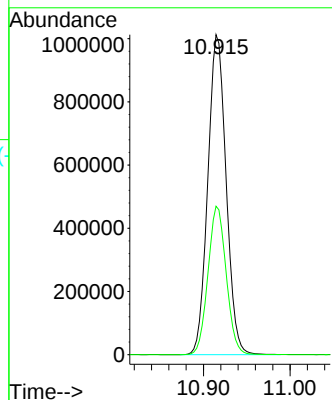
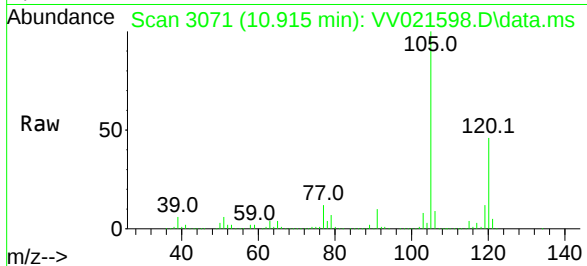




#63
1,2,4-Trimethylbenzene
Concen: 118.816 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

Instrument :
MSVOA_V
ClientSampleId :
DBK43

Tgt Ion:105 Resp: 1483097
Ion Ratio Lower Upper
105 100
120 46.3 37.1 55.7



#71
Naphthalene
Concen: 0.720 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.007 min
Lab File: VV021598.D
Acq: 02 Jul 2021 15:16

Tgt Ion:128 Resp: 9596
Ion Ratio Lower Upper
128 100
127 19.1 10.2 15.2#
129 10.7 8.6 13.0

