

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081621\
 Data File : VV021798.D
 Acq On : 16 Aug 2021 18:05
 Operator : SY/MD
 Sample : M3422-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 17 04:31:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 17 04:08:59 2021
 Response via : Initial Calibration

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

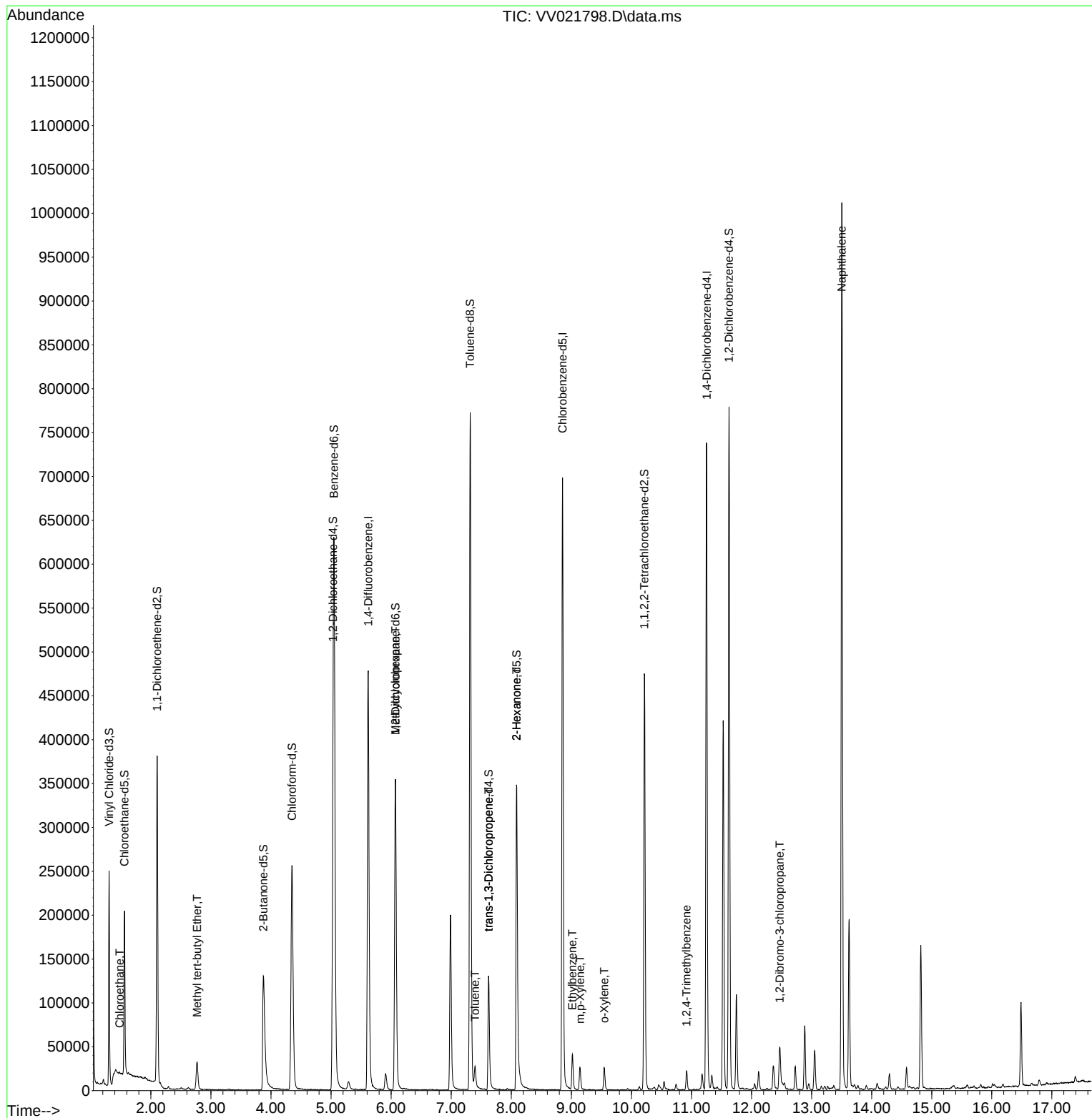
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	435611	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	405032	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	202437	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	151169	44.390	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.780%
7) Chloroethane-d5	1.561	69	119024	46.315	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.640%
11) 1,1-Dichloroethene-d2	2.105	63	188189	34.716	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.440%
21) 2-Butanone-d5	3.873	46	206451	97.475	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.480%
24) Chloroform-d	4.349	84	269457	45.670	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.340%
26) 1,2-Dichloroethane-d4	5.034	65	166008	48.915	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.820%
32) Benzene-d6	5.050	84	570546	48.986	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.980%
36) 1,2-Dichloropropane-d6	6.072	67	180297	49.709	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.420%
41) Toluene-d8	7.317	98	517986	48.116	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.240%
43) trans-1,3-Dichloroprop...	7.622	79	78287	43.857	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.720%
47) 2-Hexanone-d5	8.088	63	120268	101.170	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.170%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	234273	52.121	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.240%
66) 1,2-Dichlorobenzene-d4	11.625	152	208071	49.665	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.320%
Target Compounds						Qvalue
8) Chloroethane	1.481	64	1966	0.955	ug/L #	51
18) Methyl tert-butyl Ether	2.770	73	33059	3.558	ug/L	98
35) Methylcyclohexane	6.072	83	42221	8.080	ug/L #	21
42) Toluene	7.397	91	17686	1.329	ug/L	99
44) trans-1,3-Dichloropropene	7.622	75	3011	0.639	ug/L #	81
48) 2-Hexanone	8.088	43	13942	4.146	ug/L #	73
52) Ethylbenzene	9.018	91	29872	2.103	ug/L	96
53) m,p-Xylene	9.146	106	7946	1.444	ug/L	90
54) o-Xylene	9.548	106	7331	1.344	ug/L	85
63) 1,2,4-Trimethylbenzene	10.918	105	10746	0.928	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.471	75	1097	1.206	ug/L #	1
71) Naphthalene	13.503	128	784864	67.622	ug/L	99

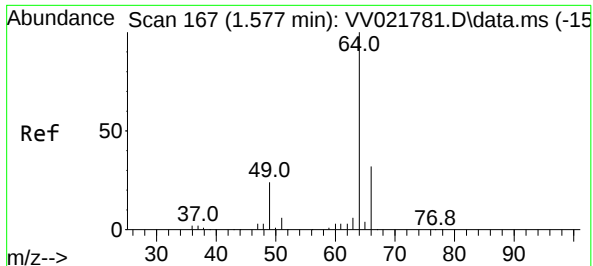
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
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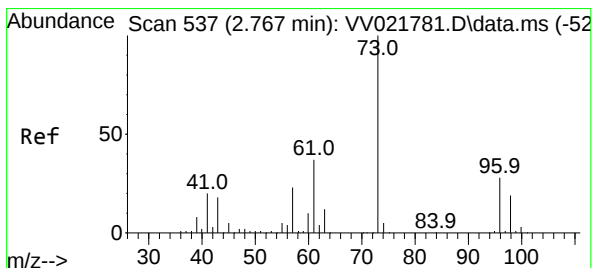
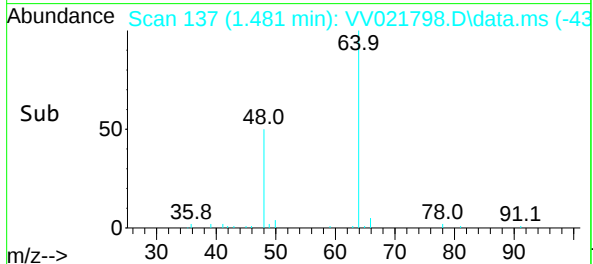
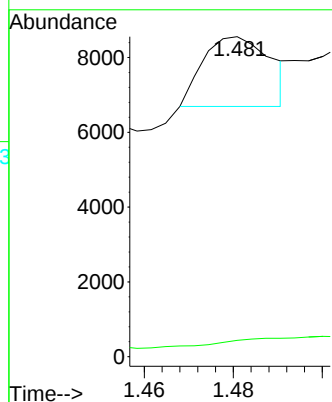
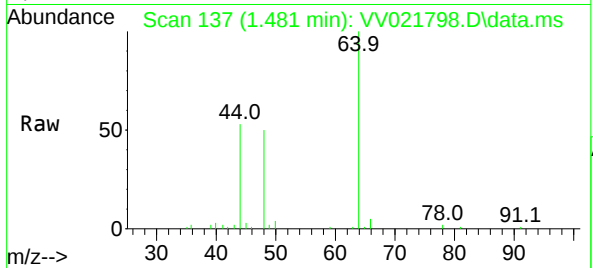




#8
Chloroethane
Concen: 0.955 ug/L
RT: 1.481 min Scan# 137
Delta R.T. -0.096 min
Lab File: VV021798.D
Acq: 16 Aug 2021 18:05

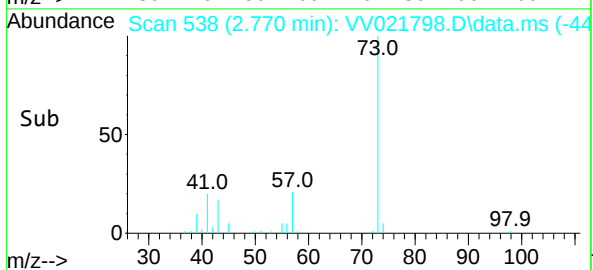
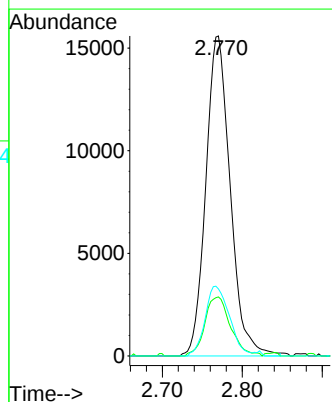
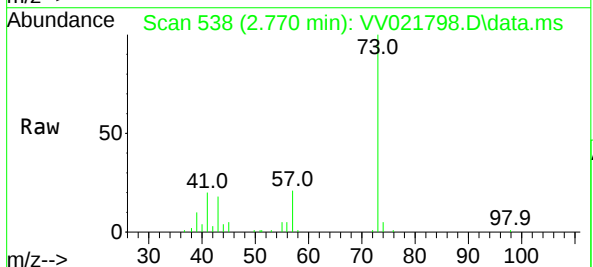
Instrument :
MSVOA_V
ClientSampled :

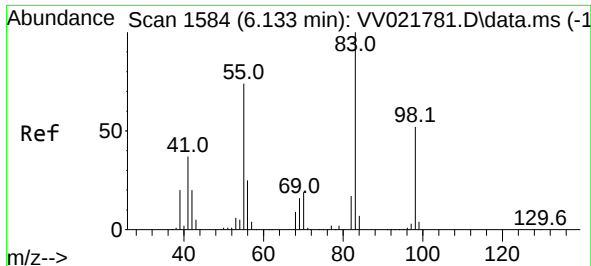
Tgt Ion: 64 Resp: 1966
Ion Ratio Lower Upper
64 100
66 5.1 22.6 42.0#



#18
Methyl tert-butyl Ether
Concen: 3.558 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV021798.D
Acq: 16 Aug 2021 18:05

Tgt Ion: 73 Resp: 33059
Ion Ratio Lower Upper
73 100
43 19.1 14.2 21.4
57 21.7 17.7 26.5

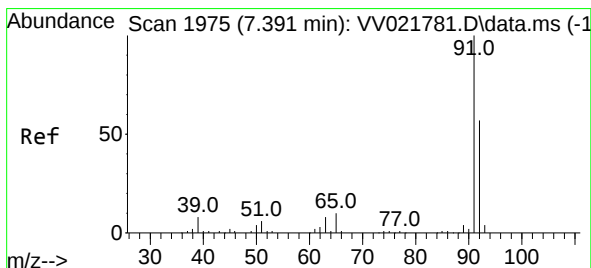
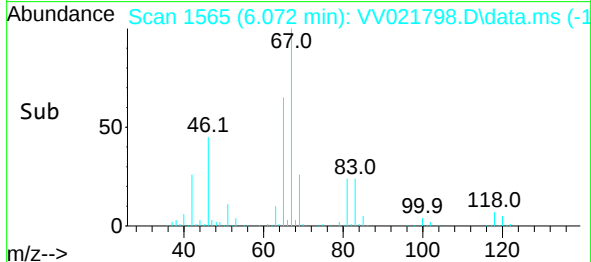
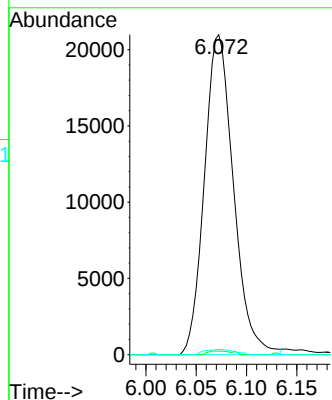
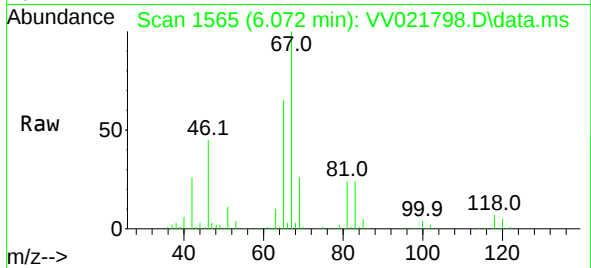




#35
Methylcyclohexane
Concen: 8.080 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV021798.D
Acq: 16 Aug 2021 18:05

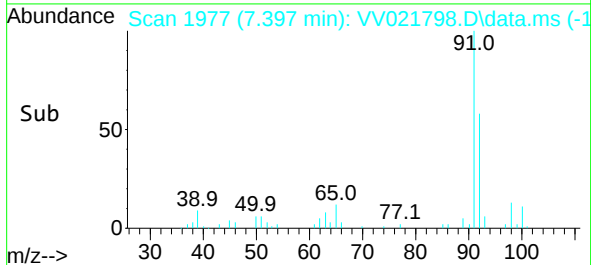
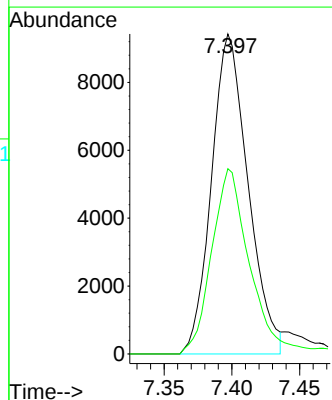
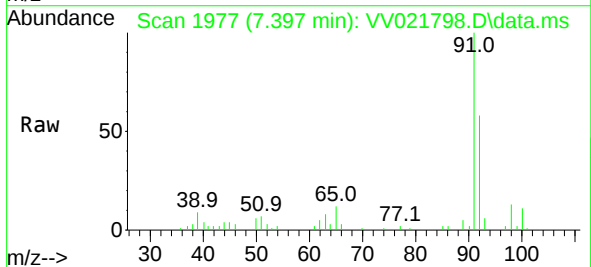
Instrument :
MSVOA_V
ClientSampled :

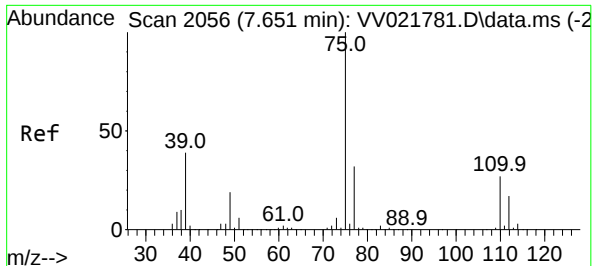
Tgt Ion: 83 Resp: 42221
Ion Ratio Lower Upper
83 100
55 0.8 57.9 86.9#
98 1.6 39.9 59.9#



#42
Toluene
Concen: 1.329 ug/L
RT: 7.397 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VV021798.D
Acq: 16 Aug 2021 18:05

Tgt Ion: 91 Resp: 17686
Ion Ratio Lower Upper
91 100
92 57.9 40.1 74.5

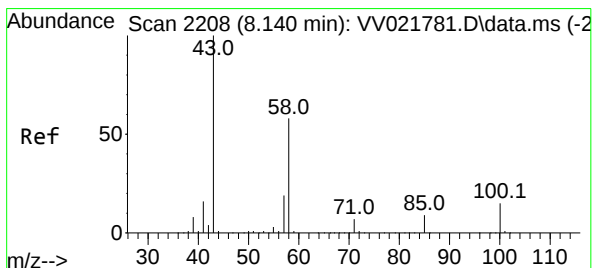
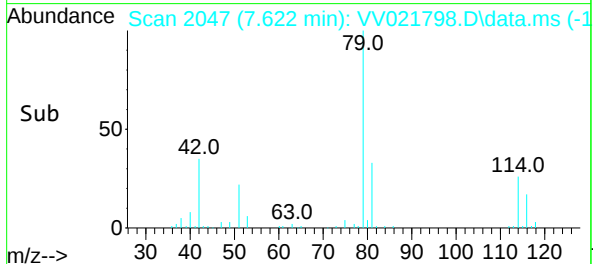
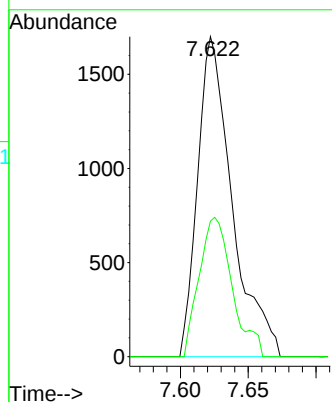
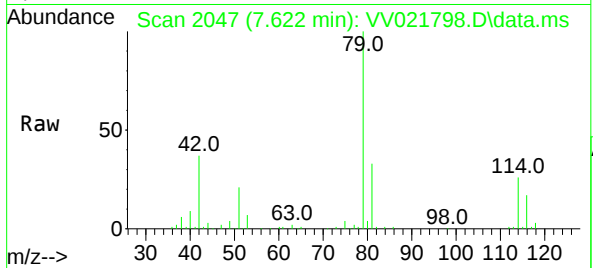




#44
trans-1,3-Dichloropropene
Concen: 0.639 ug/L
RT: 7.622 min Scan# 2047
Delta R.T. -0.029 min
Lab File: VV021798.D
Acq: 16 Aug 2021 18:05

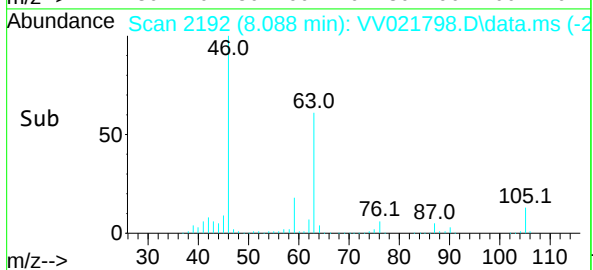
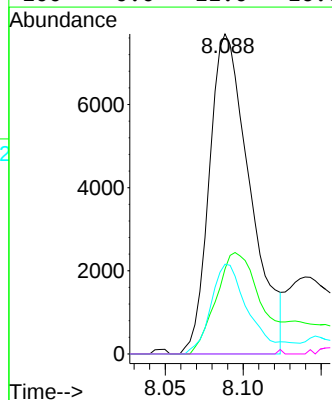
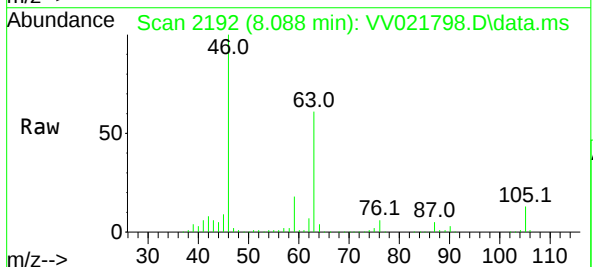
Instrument :
MSVOA_V
ClientSampled :

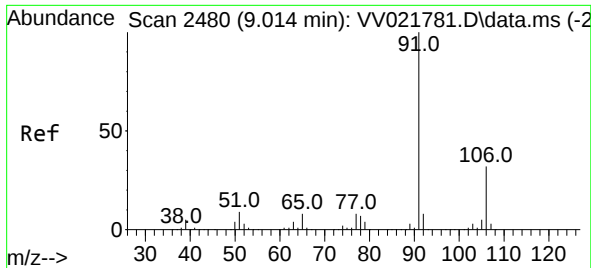
Tgt Ion: 75 Resp: 3011
Ion Ratio Lower Upper
75 100
77 42.4 22.2 41.2#



#48
2-Hexanone
Concen: 4.146 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. -0.051 min
Lab File: VV021798.D
Acq: 16 Aug 2021 18:05

Tgt Ion: 43 Resp: 13942
Ion Ratio Lower Upper
43 100
58 35.3 45.4 68.2#
57 25.1 15.3 22.9#
100 0.0 11.0 16.6#





#52

Ethylbenzene

Concen: 2.103 ug/L

RT: 9.018 min Scan# 2481

Delta R.T. 0.003 min

Lab File: VV021798.D

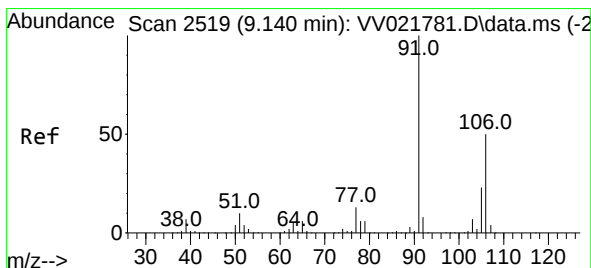
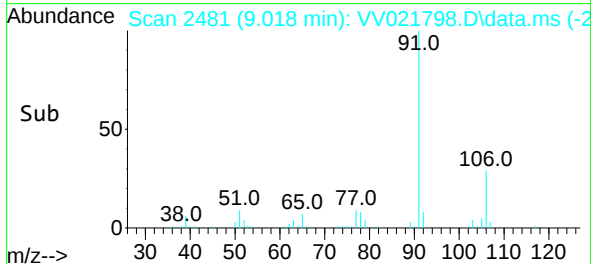
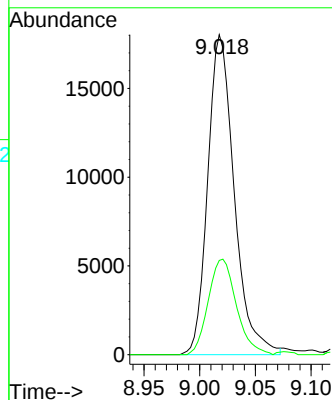
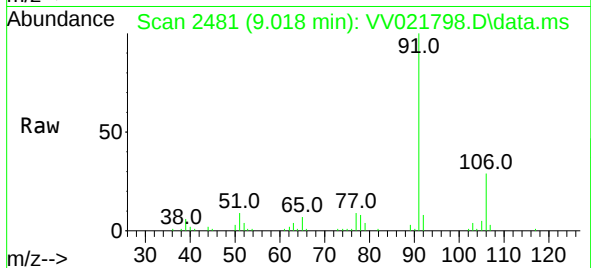
Acq: 16 Aug 2021 18:05

Tgt Ion: 91 Resp: 29872

Ion Ratio Lower Upper

91 100

106 29.4 22.2 41.2



#53

m,p-Xylene

Concen: 1.444 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.006 min

Lab File: VV021798.D

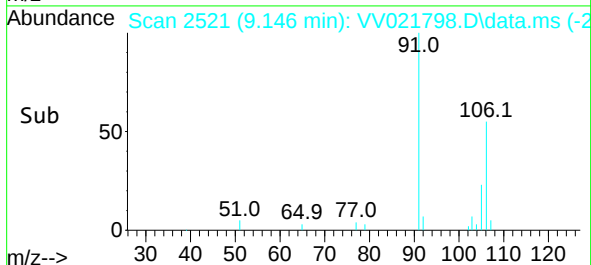
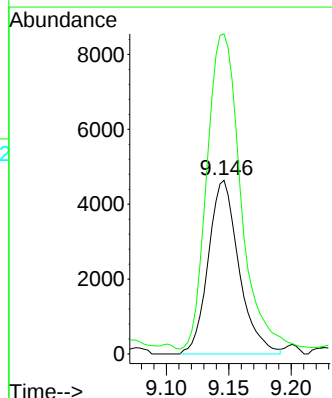
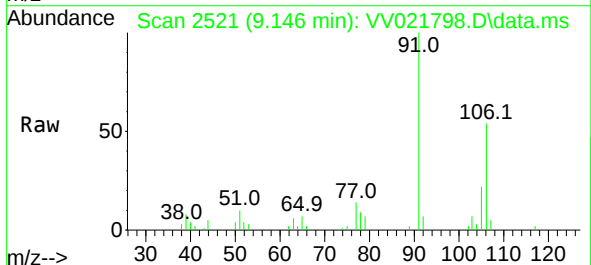
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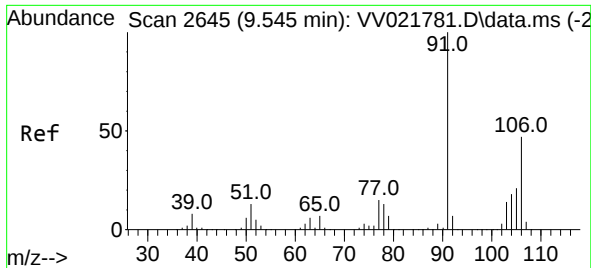
Tgt Ion: 106 Resp: 7946

Ion Ratio Lower Upper

106 100

91 184.3 139.2 258.6

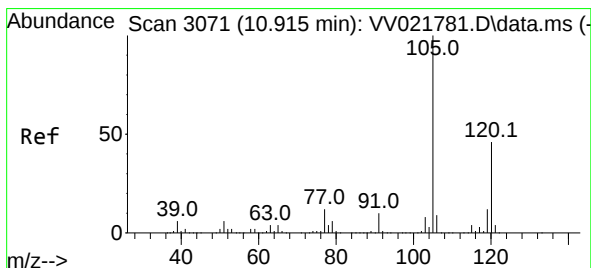
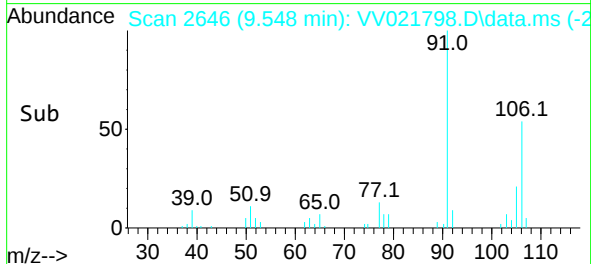
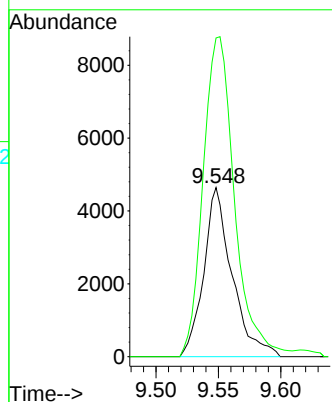
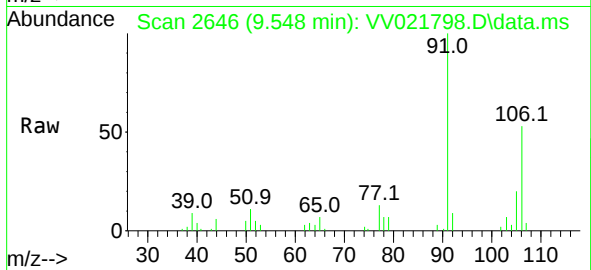




#54
o-Xylene
Concen: 1.344 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.003 min
Lab File: VV021798.D
Acq: 16 Aug 2021 18:05

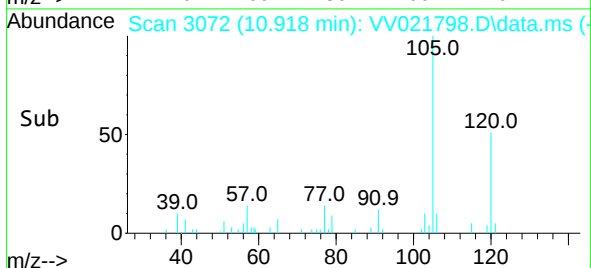
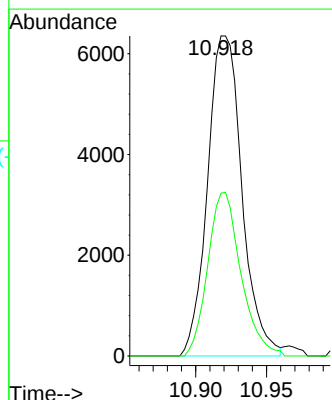
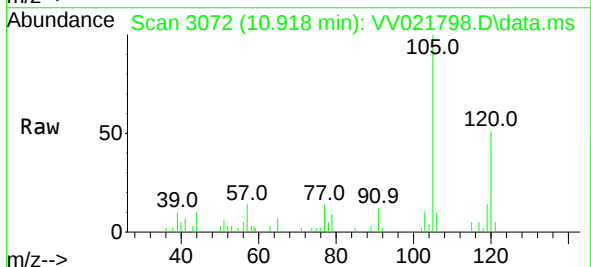
Instrument :
MSVOA_V
ClientSampled :

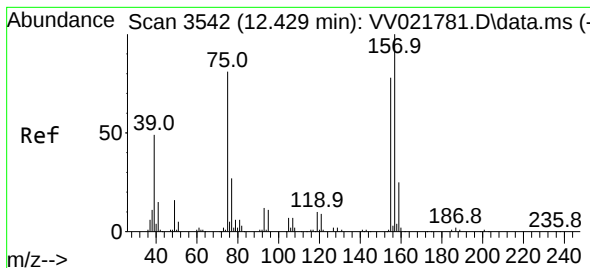
Tgt Ion:106 Resp: 7331
Ion Ratio Lower Upper
106 100
91 188.4 148.1 275.0



#63
1,2,4-Trimethylbenzene
Concen: 0.928 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV021798.D
Acq: 16 Aug 2021 18:05

Tgt Ion:105 Resp: 10746
Ion Ratio Lower Upper
105 100
120 49.1 37.3 55.9

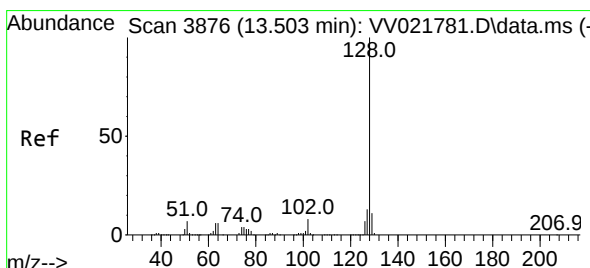
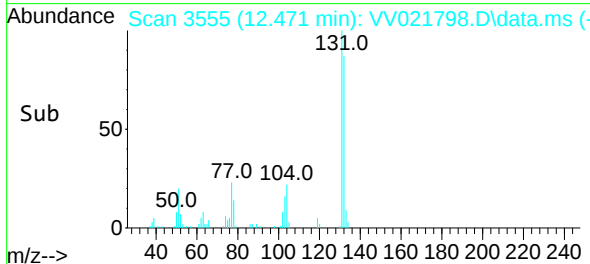
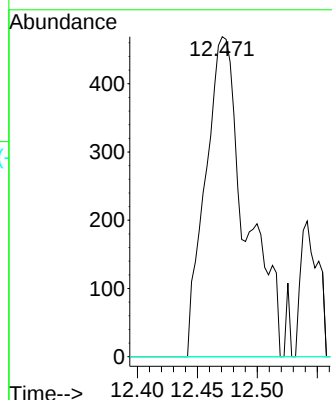
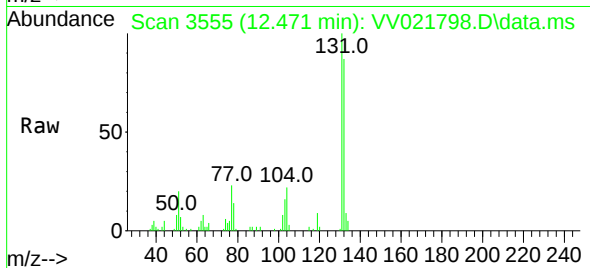




#68
1,2-Dibromo-3-chloropropane
Concen: 1.206 ug/L
RT: 12.471 min Scan# 3555
Delta R.T. 0.042 min
Lab File: VV021798.D
Acq: 16 Aug 2021 18:05

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 1097
Ion Ratio Lower Upper
75 100
155 0.0 77.8 116.8#
157 0.0 99.4 149.0#



#71
Naphthalene
Concen: 67.622 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.000 min
Lab File: VV021798.D
Acq: 16 Aug 2021 18:05

Tgt Ion:128 Resp: 784864
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 11.0 8.5 12.7

