

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081621\
 Data File : VV021804.D
 Acq On : 16 Aug 2021 20:29
 Operator : SY/MD
 Sample : M3422-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 17 04:33:07 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)

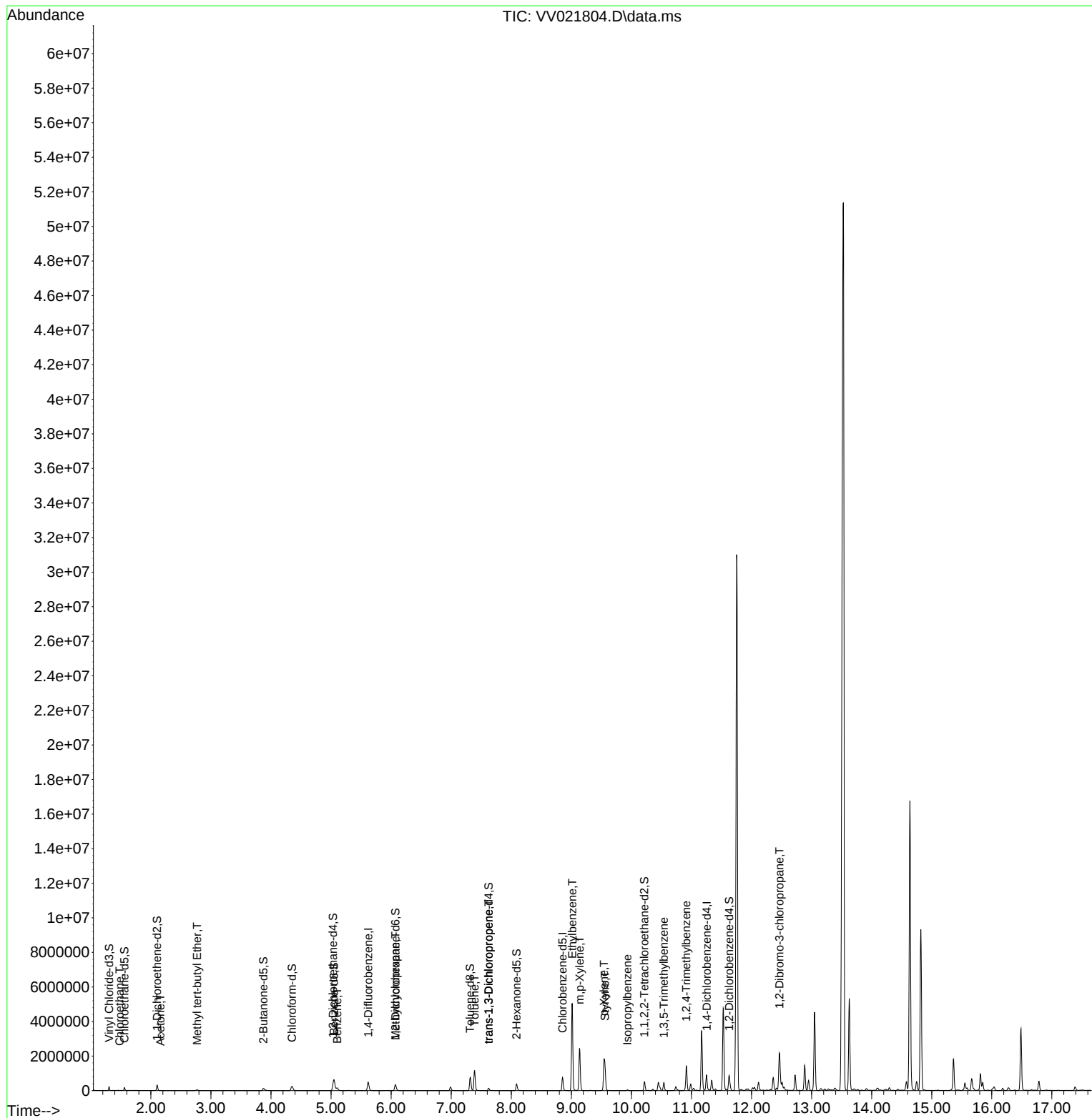
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	455901	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	438972	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	239133	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	141342	39.658	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.320%
7) Chloroethane-d5	1.561	69	109959	40.884	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.760%
11) 1,1-Dichloroethene-d2	2.105	63	161711	28.504	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.000%#
21) 2-Butanone-d5	3.873	46	210692	95.051	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.050%
24) Chloroform-d	4.349	84	268275	43.446	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.900%
26) 1,2-Dichloroethane-d4	5.034	65	166415	46.853	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.700%
32) Benzene-d6	5.050	84	566974	44.915	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.840%
36) 1,2-Dichloropropane-d6	6.072	67	177513	45.157	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.320%
41) Toluene-d8	7.317	98	530951	45.507	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.020%
43) trans-1,3-Dichloroprop...	7.622	79	82824	42.811	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.620%
47) 2-Hexanone-d5	8.088	63	147077	114.156	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.160%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	250447	51.412	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.820%
66) 1,2-Dichlorobenzene-d4	11.628	152	224171	45.297	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.600%
Target Compounds						
					Qvalue	
8) Chloroethane	1.481	64	2555	1.185	ug/L #	52
13) Acetone	2.159	43	4214	2.310	ug/L #	100
18) Methyl tert-butyl Ether	2.770	73	53233	5.474	ug/L	99
33) Benzene	5.101	78	172987	12.806	ug/L	100
35) Methylcyclohexane	6.072	83	42121	7.437	ug/L #	20
42) Toluene	7.391	91	866405	60.052	ug/L	100
44) trans-1,3-Dichloropropene	7.625	75	3438	0.674	ug/L	98
52) Ethylbenzene	9.014	91	3547267	230.461	ug/L	100
53) m,p-Xylene	9.140	106	697909	116.995	ug/L	99
54) o-Xylene	9.545	106	413871	69.993	ug/L	99
55) Styrene	9.561	104	533925	53.922	ug/L	98
60) Isopropylbenzene	9.934	105	30724	1.916	ug/L	97
62) 1,3,5-Trimethylbenzene	10.542	105	241189	17.927	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	764648	55.898	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.464	75	41588	38.706	ug/L #	1

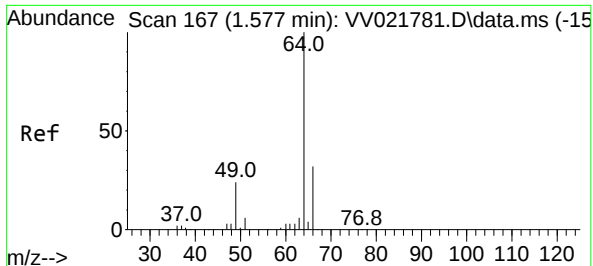
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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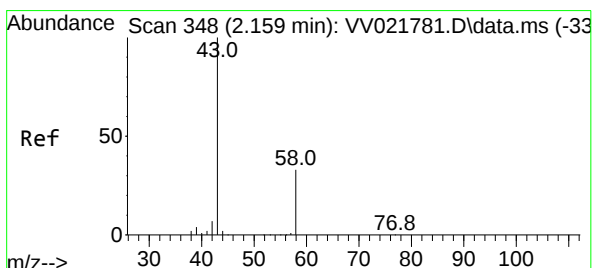
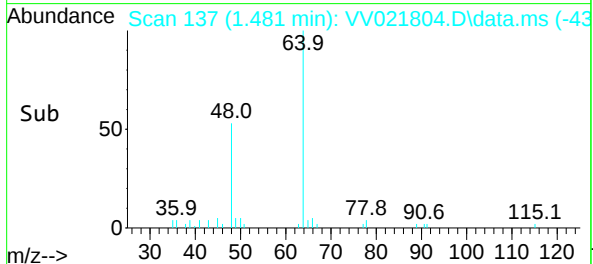
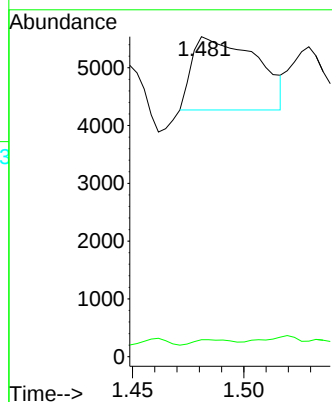
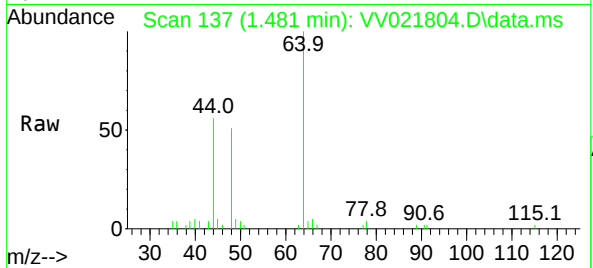




#8
Chloroethane
Concen: 1.185 ug/L
RT: 1.481 min Scan# 137
Delta R.T. -0.096 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

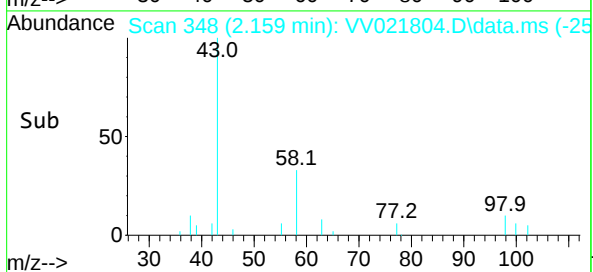
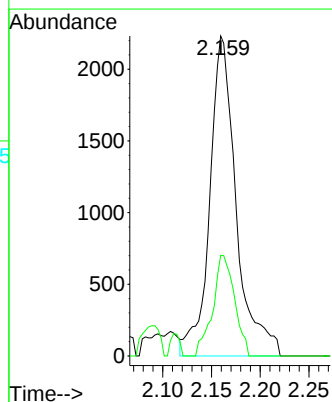
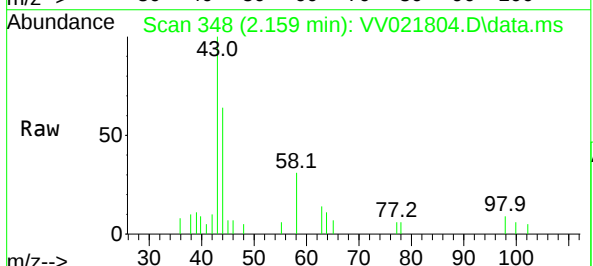
Instrument :
MSVOA_V
ClientSampled :

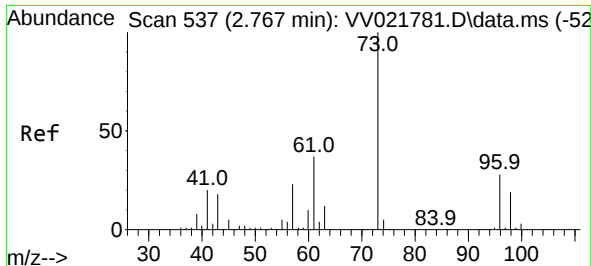
Tgt Ion: 64 Resp: 2555
Ion Ratio Lower Upper
64 100
66 5.3 22.6 42.0#



#13
Acetone
Concen: 2.310 ug/L
RT: 2.159 min Scan# 348
Delta R.T. 0.000 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

Tgt Ion: 43 Resp: 4214
Ion Ratio Lower Upper
43 100
58 25.9 0.0 0.0#

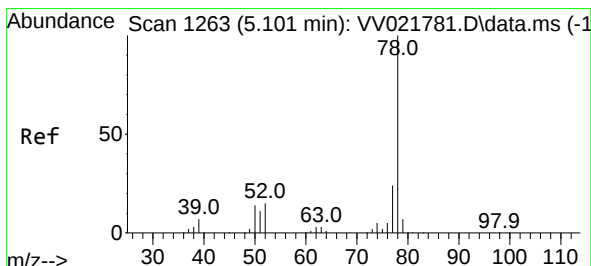
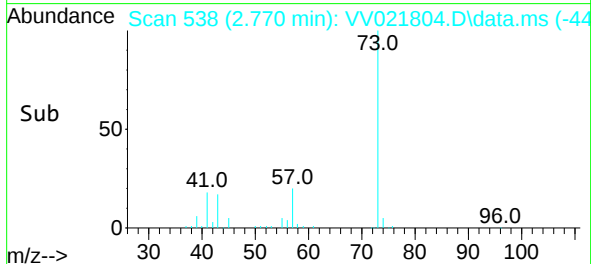
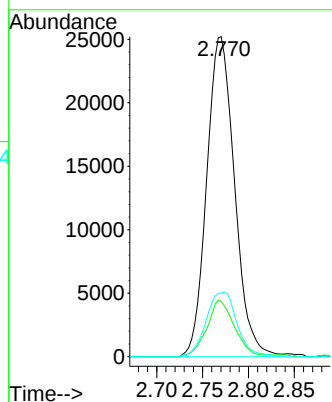
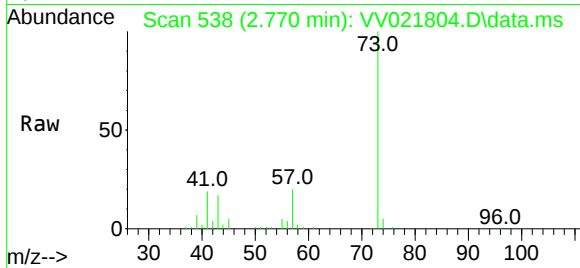




#18
Methyl tert-butyl Ether
Concen: 5.474 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

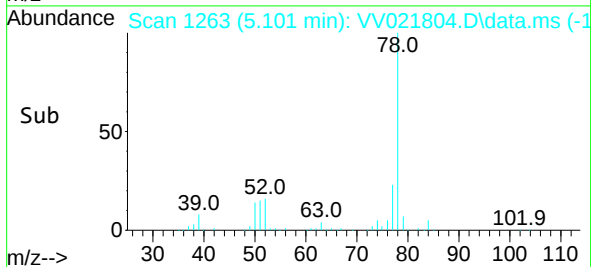
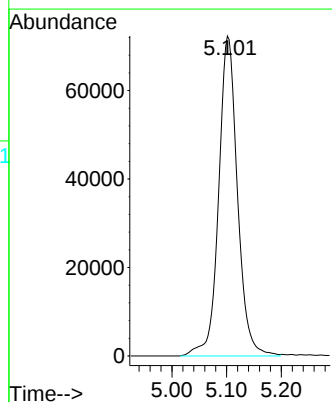
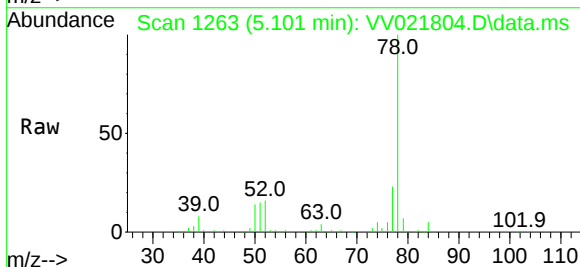
Instrument :
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ClientSampled :

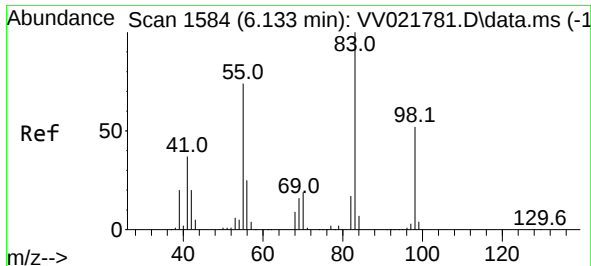
Tgt Ion: 73 Resp: 53233
Ion Ratio Lower Upper
73 100
43 17.5 14.2 21.4
57 22.3 17.7 26.5



#33
Benzene
Concen: 12.806 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

Tgt Ion: 78 Resp: 172987

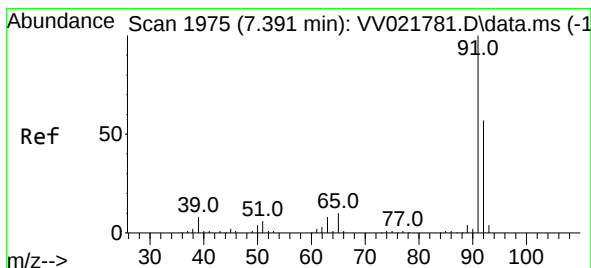
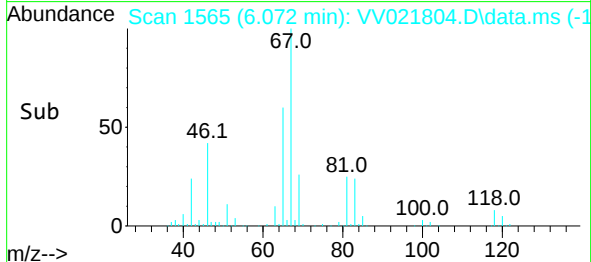
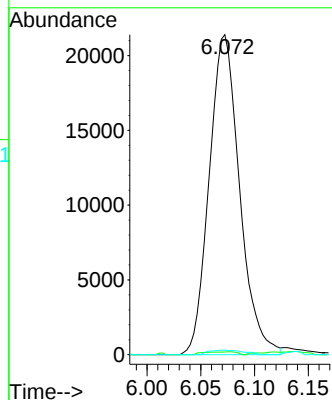
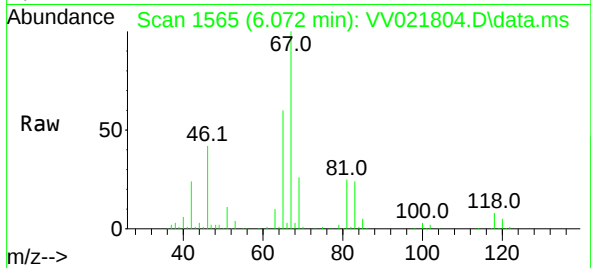




#35
Methylcyclohexane
Concen: 7.437 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

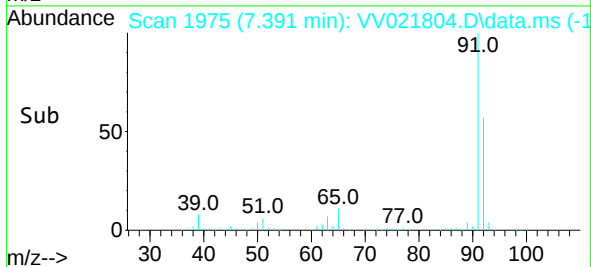
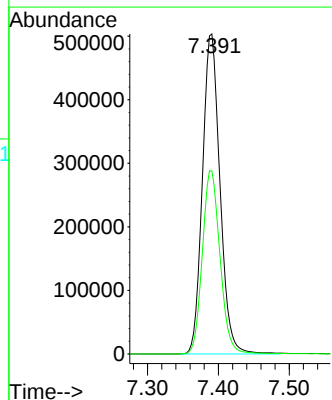
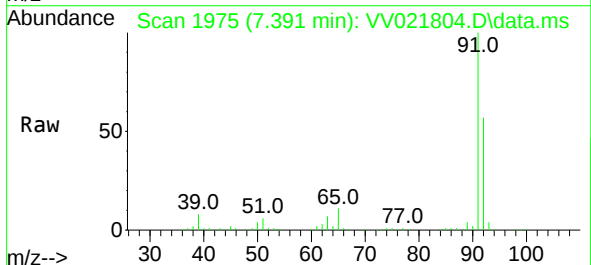
Instrument :
MSVOA_V
ClientSampled :

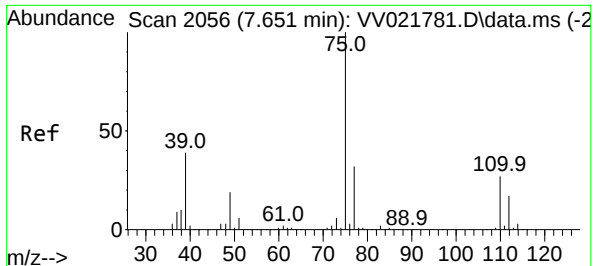
Tgt Ion: 83 Resp: 42121
Ion Ratio Lower Upper
83 100
55 0.1 57.9 86.9#
98 1.0 39.9 59.9#



#42
Toluene
Concen: 60.052 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

Tgt Ion: 91 Resp: 866405
Ion Ratio Lower Upper
91 100
92 57.2 40.1 74.5

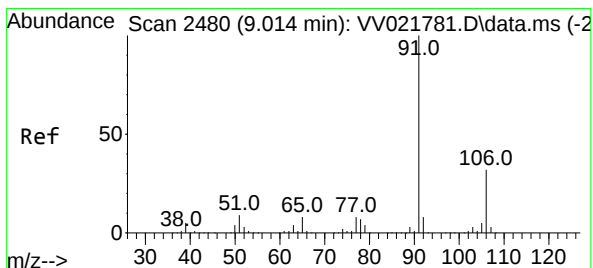
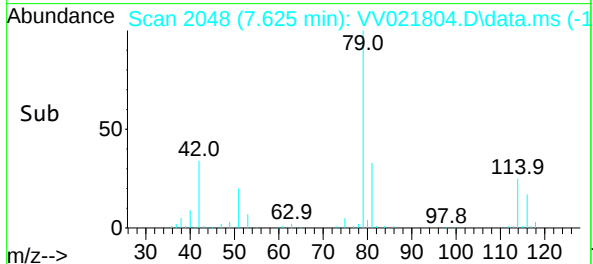
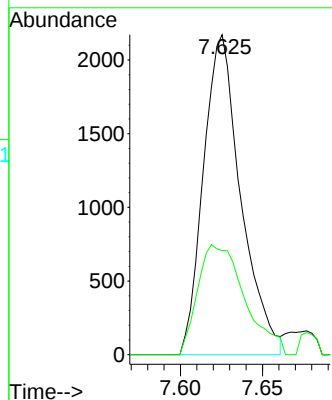
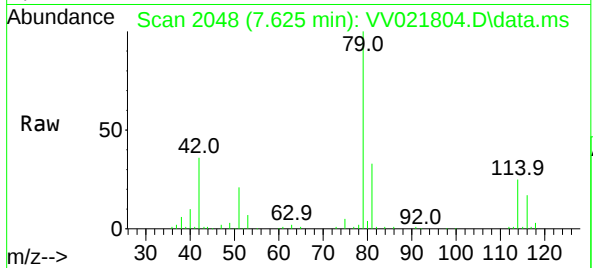




#44
trans-1,3-Dichloropropene
Concen: 0.674 ug/L
RT: 7.625 min Scan# 2048
Delta R.T. -0.026 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

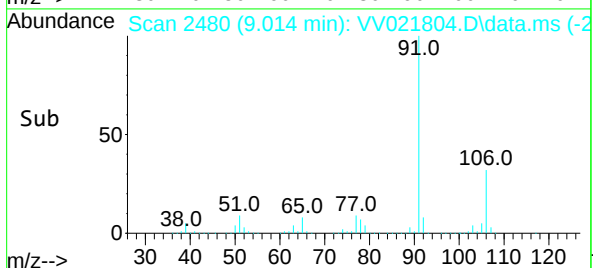
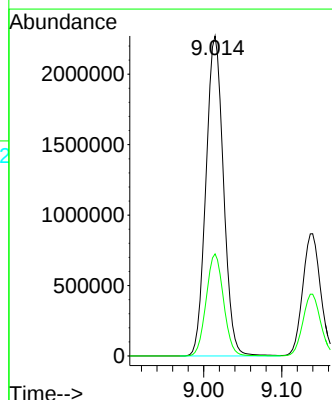
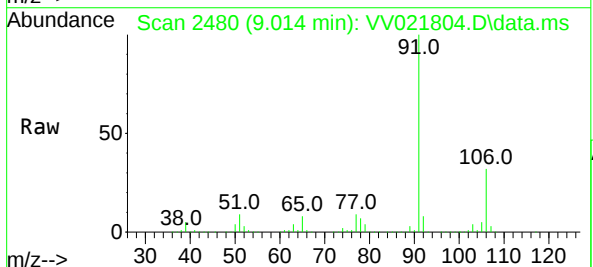
Instrument :
MSVOA_V
ClientSampled :

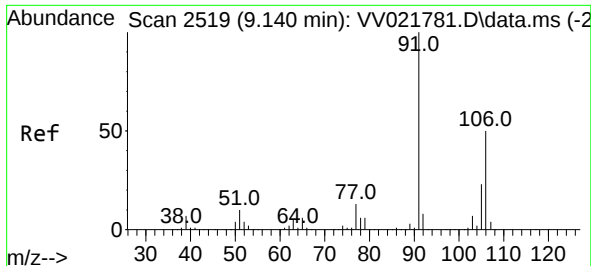
Tgt Ion: 75 Resp: 3438
Ion Ratio Lower Upper
75 100
77 32.6 22.2 41.2



#52
Ethylbenzene
Concen: 230.461 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.000 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

Tgt Ion: 91 Resp: 3547267
Ion Ratio Lower Upper
91 100
106 31.9 22.2 41.2

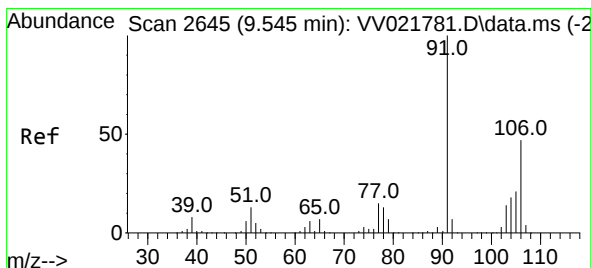
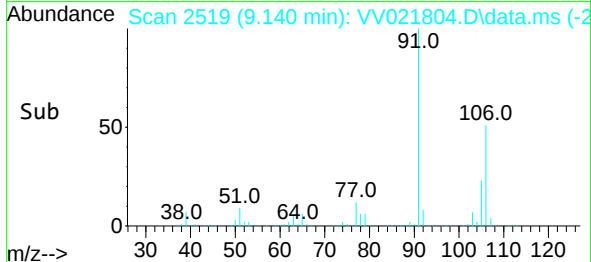
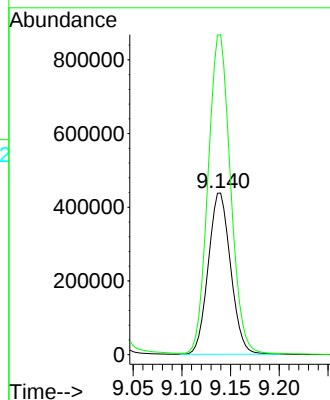
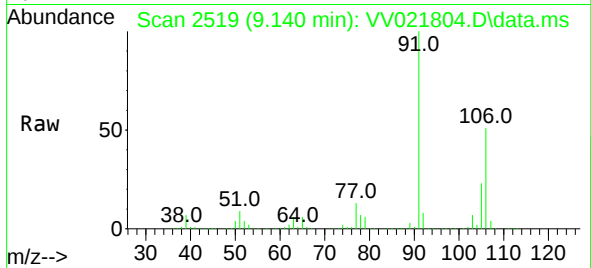




#53
m,p-Xylene
Concen: 116.995 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.000 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

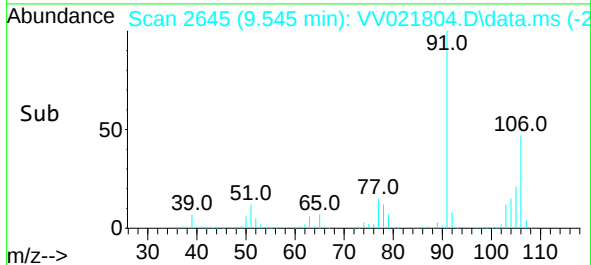
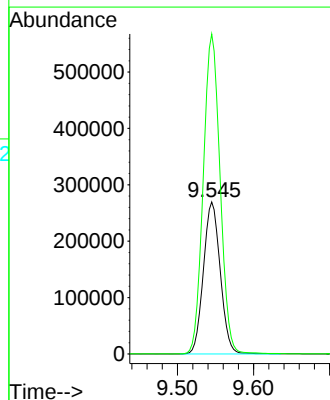
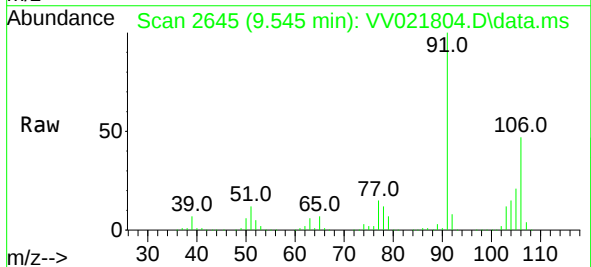
Instrument :
MSVOA_V
ClientSampled :

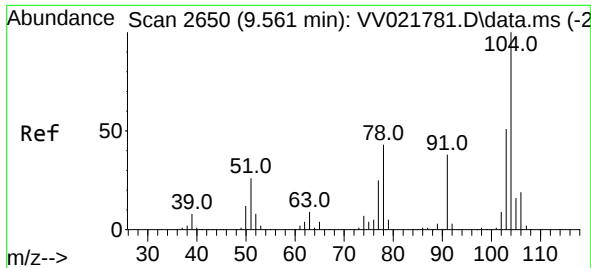
Tgt Ion:106 Resp: 697909
Ion Ratio Lower Upper
106 100
91 198.0 139.2 258.6



#54
o-Xylene
Concen: 69.993 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.000 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

Tgt Ion:106 Resp: 413871
Ion Ratio Lower Upper
106 100
91 210.5 148.1 275.0

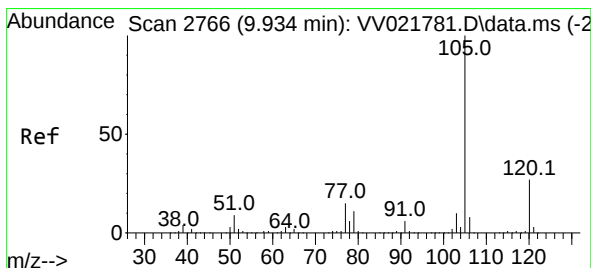
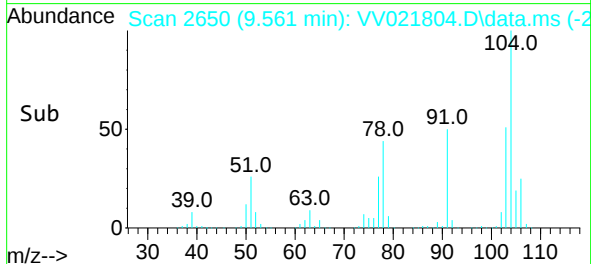
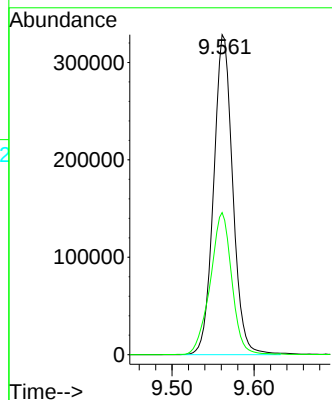
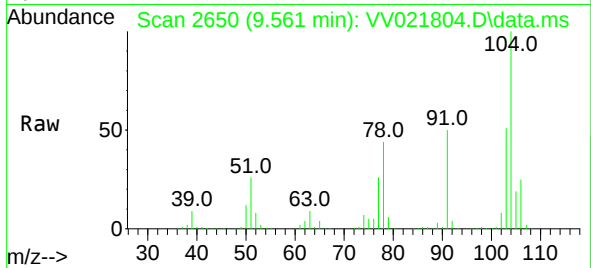




#55
Styrene
Concen: 53.922 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.000 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

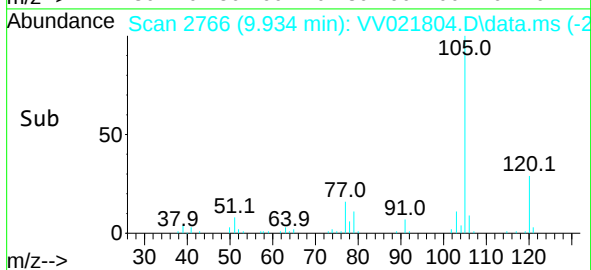
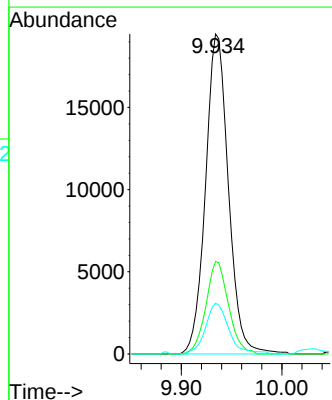
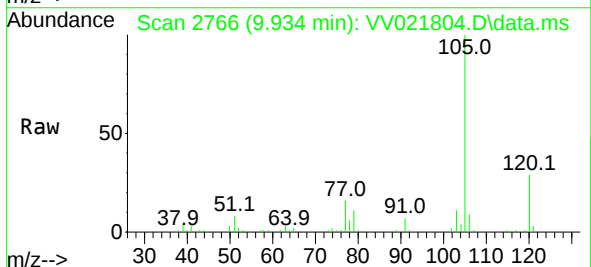
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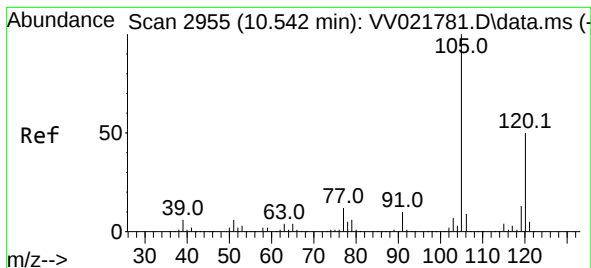
Tgt Ion:104 Resp: 533925
Ion Ratio Lower Upper
104 100
78 44.4 30.2 56.2



#60
Isopropylbenzene
Concen: 1.916 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.000 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

Tgt Ion:105 Resp: 30724
Ion Ratio Lower Upper
105 100
120 28.5 21.3 31.9
77 16.0 11.8 17.8

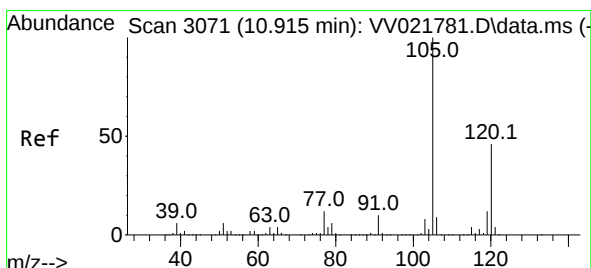
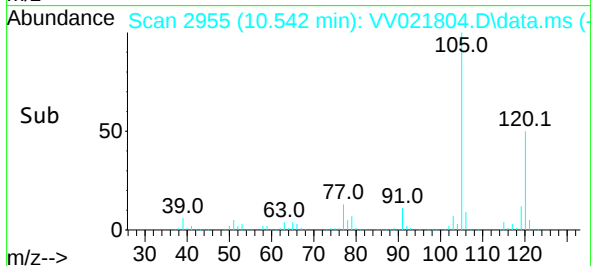
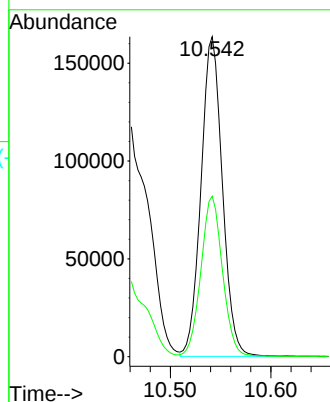
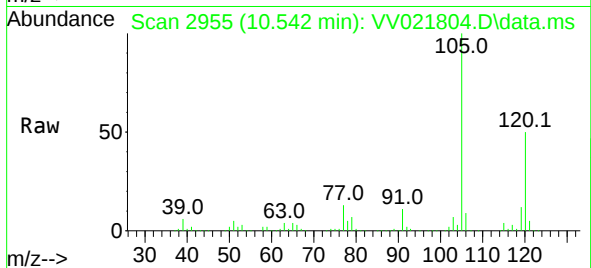




#62
1,3,5-Trimethylbenzene
Concen: 17.927 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.000 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

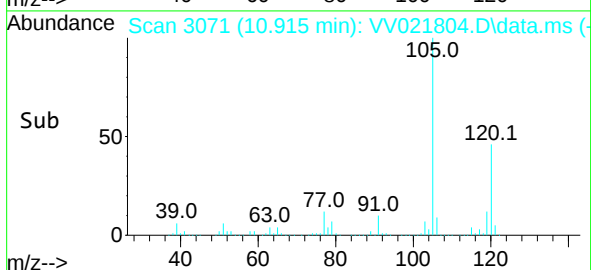
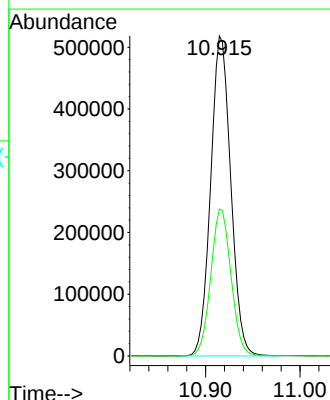
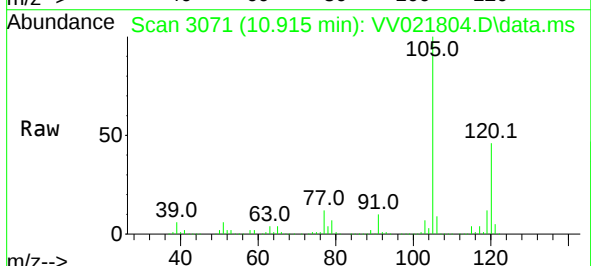
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ClientSampled :

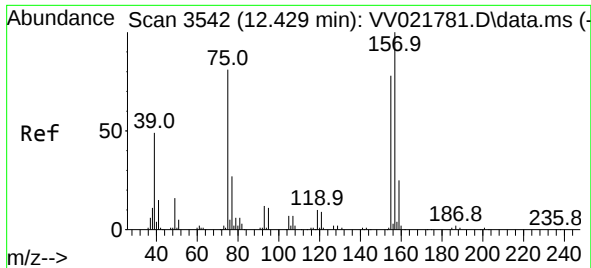
Tgt Ion:105 Resp: 241189
Ion Ratio Lower Upper
105 100
120 51.0 40.2 60.4



#63
1,2,4-Trimethylbenzene
Concen: 55.898 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV021804.D
Acq: 16 Aug 2021 20:29

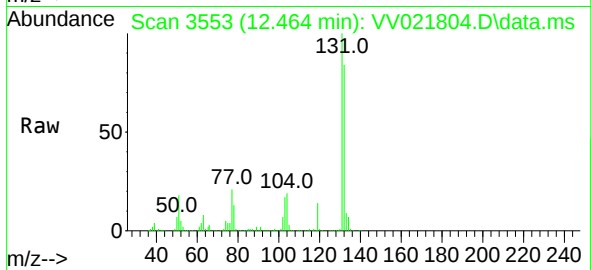
Tgt Ion:105 Resp: 764648
Ion Ratio Lower Upper
105 100
120 46.2 37.3 55.9





#68
 1,2-Dibromo-3-chloropropane
 Concen: 38.706 ug/L
 RT: 12.464 min Scan# 3553
 Delta R.T. 0.035 min
 Lab File: VV021804.D
 Acq: 16 Aug 2021 20:29

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 41588
 Ion Ratio Lower Upper
 75 100
 155 0.0 77.8 116.8#
 157 0.0 99.4 149.0#

