

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100221\
 Data File : VW022513.D
 Acq On : 02 Oct 2021 16:07
 Operator : SY/MD
 Sample : M3996-13DL 10X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4A28DL

Quant Time: Oct 04 02:00:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 04 01:01:56 2021
 Response via : Initial Calibration

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

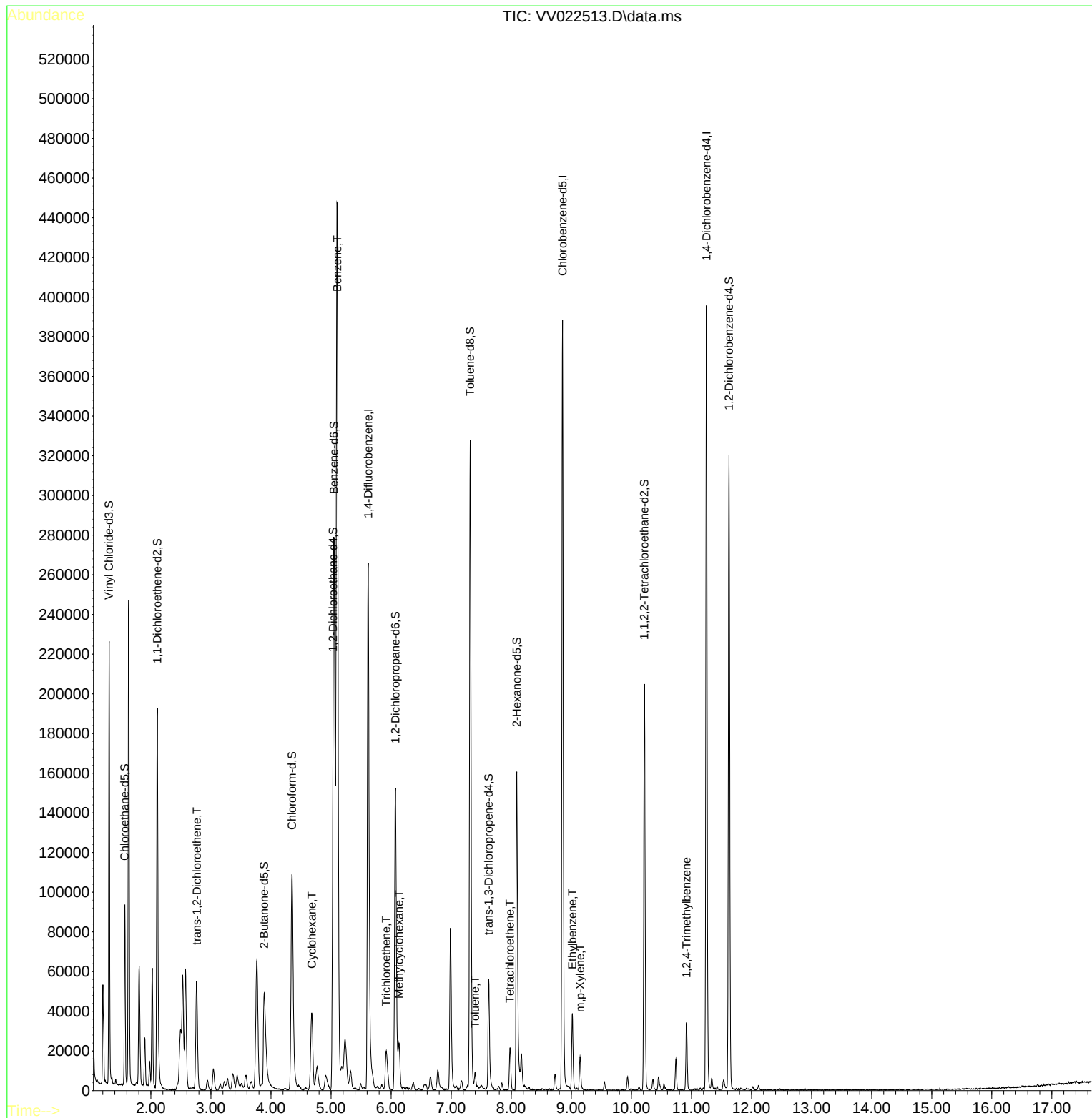
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	236629	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	218565	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	106125	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	65610	44.832	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.660%		
7) Chloroethane-d5	1.564	69	53439	46.454	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.900%		
11) 1,1-Dichloroethene-d2	2.108	63	98452	34.118	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.240%		
21) 2-Butanone-d5	3.886	46	85811	106.524	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	106.520%		
24) Chloroform-d	4.349	84	114040	42.651	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.300%		
26) 1,2-Dichloroethane-d4	5.034	65	72822	46.950	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.900%		
32) Benzene-d6	5.050	84	244700	48.327	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.660%		
36) 1,2-Dichloropropane-d6	6.072	67	74011	47.480	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.960%		
41) Toluene-d8	7.317	98	220821	47.544	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.080%		
43) trans-1,3-Dichloroprop...	7.625	79	32531	44.110	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.220%		
47) 2-Hexanone-d5	8.092	63	53695	83.154	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	83.150%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	95747	44.173	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.340%		
66) 1,2-Dichlorobenzene-d4	11.625	152	88167	50.945	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.880%		
Target Compounds						Qvalue
17) trans-1,2-Dichloroethene	2.767	96	2840	1.565	ug/L	93
29) Cyclohexane	4.677	56	19149	7.517	ug/L	99
33) Benzene	5.101	78	452361	67.031	ug/L	100
34) Trichloroethene	5.918	95	5271	2.991	ug/L	88
35) Methylcyclohexane	6.130	83	8305	3.108	ug/L #	79
42) Toluene	7.397	91	5776	0.813	ug/L	83
46) Tetrachloroethene	7.979	164	5095	3.454	ug/L	97
52) Ethylbenzene	9.018	91	27221	3.679	ug/L	96
53) m,p-Xylene	9.146	106	5263	1.795	ug/L	91
63) 1,2,4-Trimethylbenzene	10.918	105	18834	3.332	ug/L	97

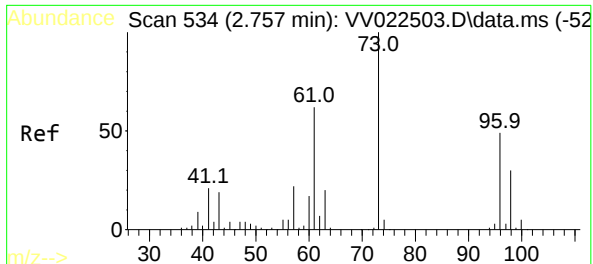
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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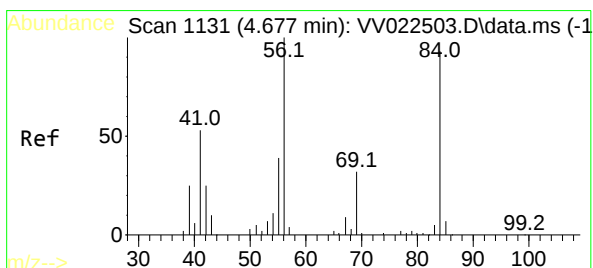
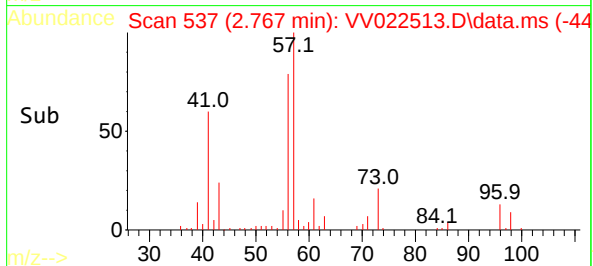
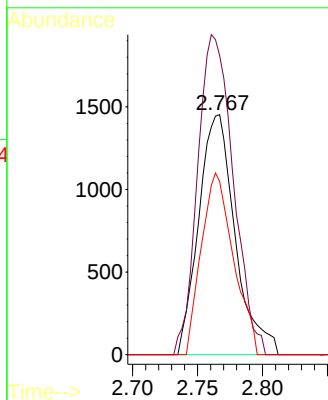
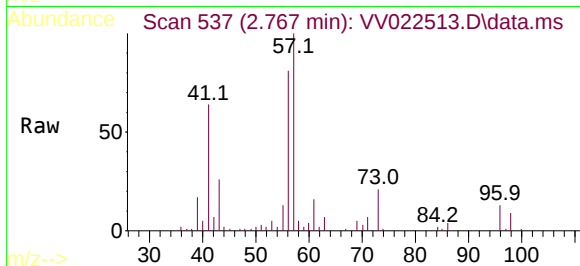




#17
trans-1,2-Dichloroethene
Concen: 1.565 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.010 min
Lab File: VV022513.D
Acq: 02 Oct 2021 16:07

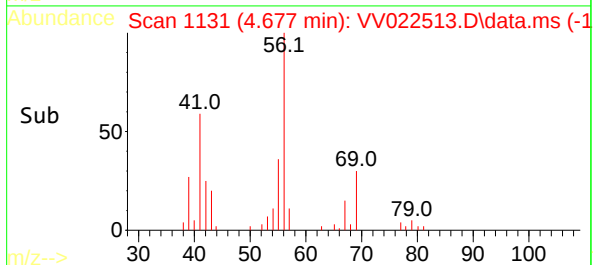
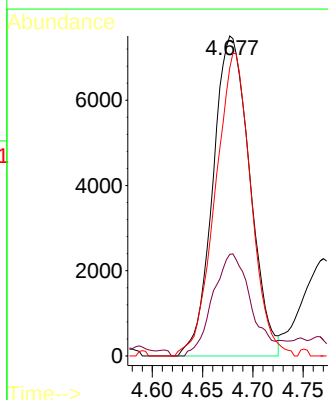
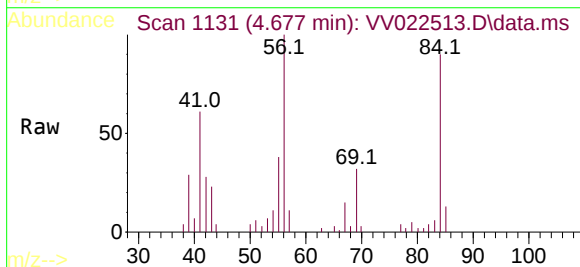
Instrument :
MSVOA_V
ClientSampleId :
F4A28DL

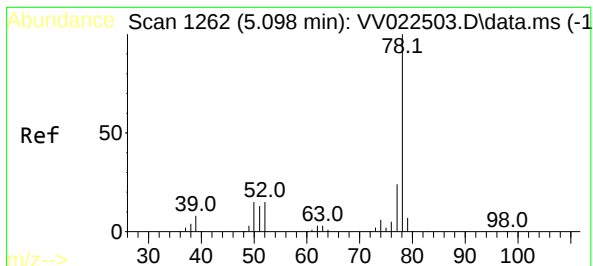
Tgt Ion: 96 Resp: 2840
Ion Ratio Lower Upper
96 100
61 124.6 90.8 168.6
98 72.1 44.0 81.8



#29
Cyclohexane
Concen: 7.517 ug/L
RT: 4.677 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VV022513.D
Acq: 02 Oct 2021 16:07

Tgt Ion: 56 Resp: 19149
Ion Ratio Lower Upper
56 100
69 32.8 24.9 37.3
84 91.6 73.9 110.9





#33

Benzene

Concen: 67.031 ug/L

RT: 5.101 min Scan# 1263

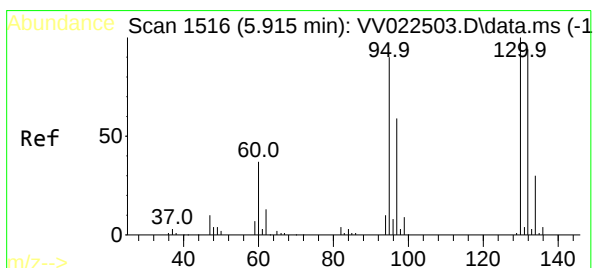
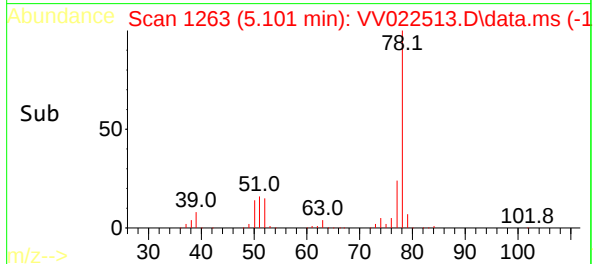
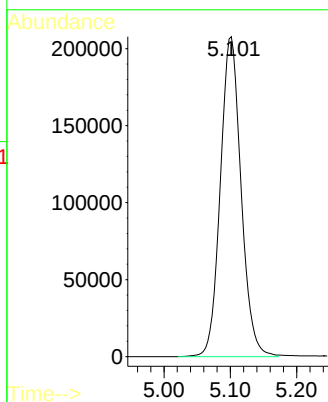
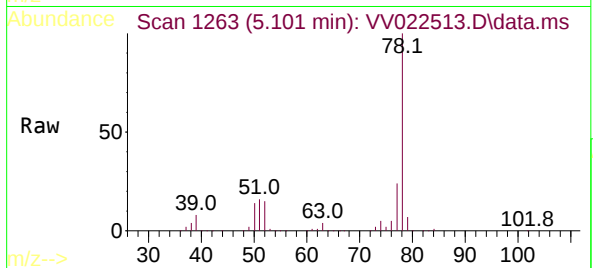
Delta R.T. 0.003 min

Lab File: VV022513.D

Acq: 02 Oct 2021 16:07

Tgt Ion: 78 Resp: 452361

Instrument :
MSVOA_V
ClientSampleId :
F4A28DL



#34

Trichloroethene

Concen: 2.991 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.003 min

Lab File: VV022513.D

Acq: 02 Oct 2021 16:07

Tgt Ion: 95 Resp: 5271

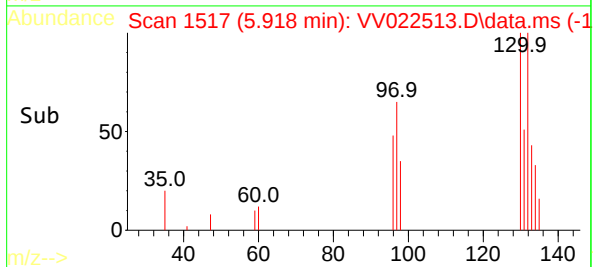
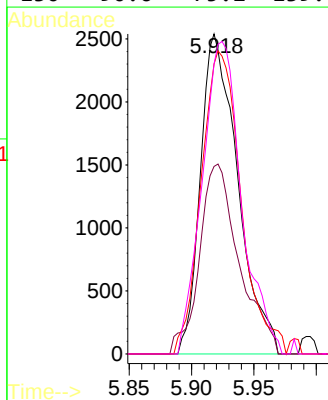
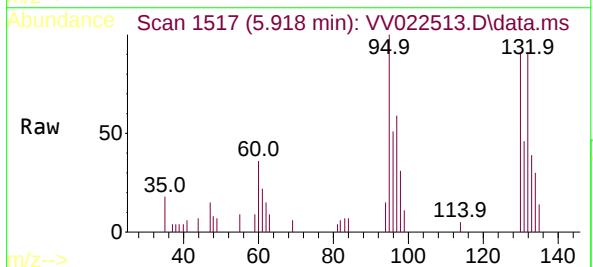
Ion Ratio Lower Upper

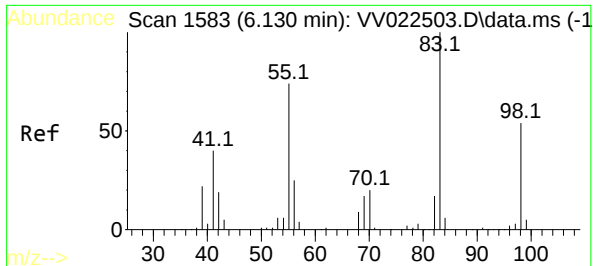
95 100

97 58.6 45.4 84.4

132 90.6 71.5 132.9

130 90.6 75.2 139.6





#35

Methylcyclohexane

Concen: 3.108 ug/L

RT: 6.130 min Scan# 1583

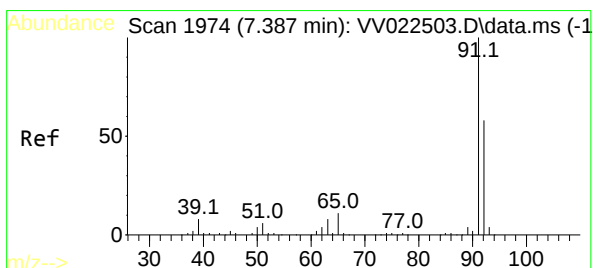
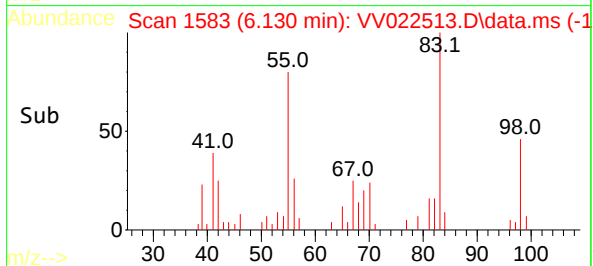
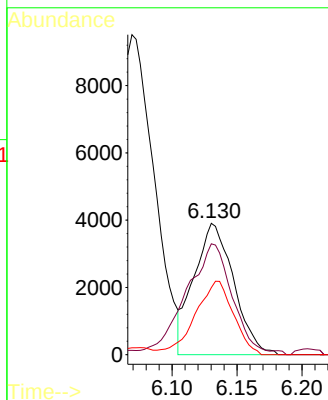
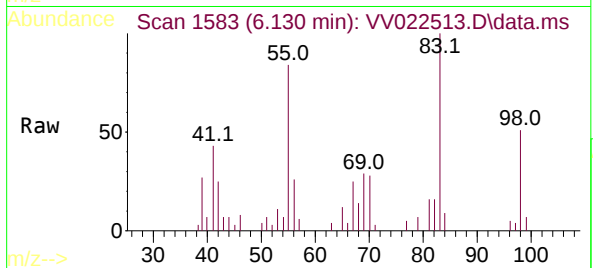
Delta R.T. -0.000 min

Lab File: VV022513.D

Acq: 02 Oct 2021 16:07

Tgt Ion:	83	Resp:	8305
Ion	Ratio	Lower	Upper
83	100		
55	98.2	56.7	85.1#
98	53.7	40.6	60.8

Instrument :
MSVOA_V
ClientSampleId :
F4A28DL



#42

Toluene

Concen: 0.813 ug/L

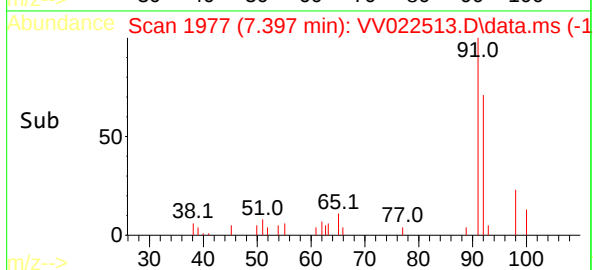
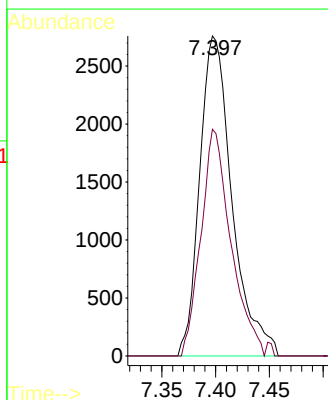
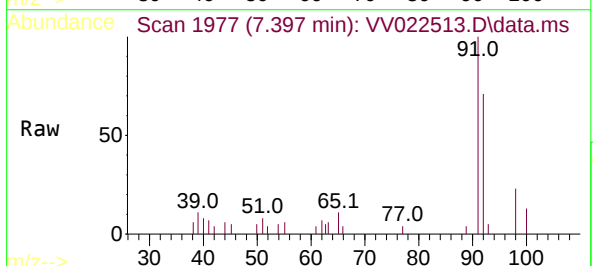
RT: 7.397 min Scan# 1977

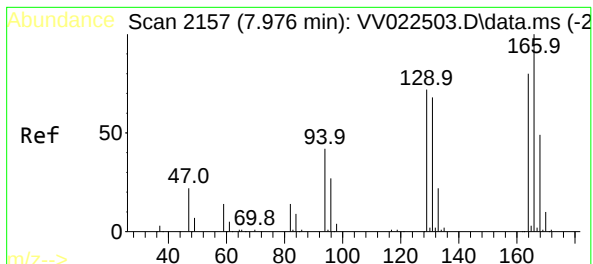
Delta R.T. 0.010 min

Lab File: VV022513.D

Acq: 02 Oct 2021 16:07

Tgt Ion:	91	Resp:	5776
Ion	Ratio	Lower	Upper
91	100		
92	70.8	40.6	75.4



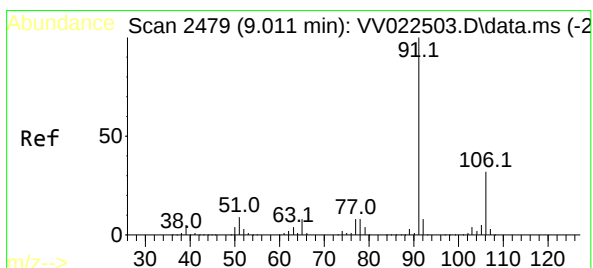
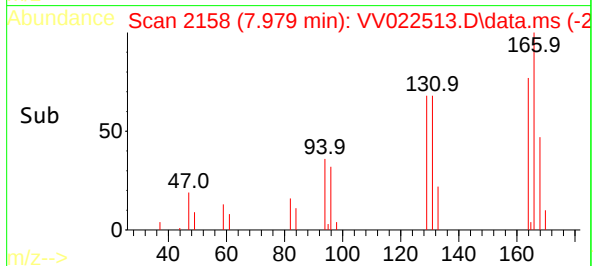
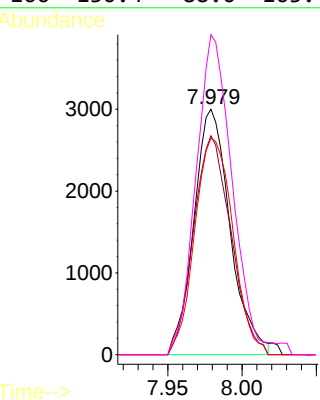
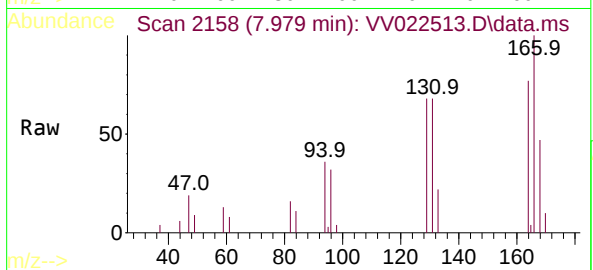


#46
Tetrachloroethene
Concen: 3.454 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV022513.D
Acq: 02 Oct 2021 16:07

Instrument :
MSVOA_V
ClientSampleId :
F4A28DL

Tgt Ion:164 Resp: 5095

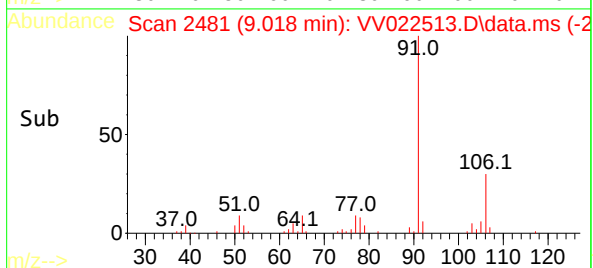
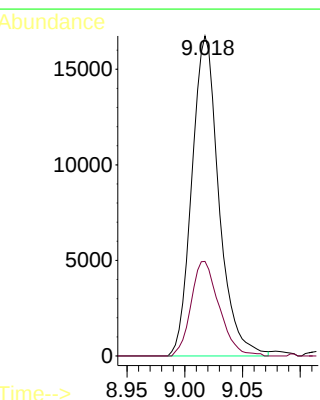
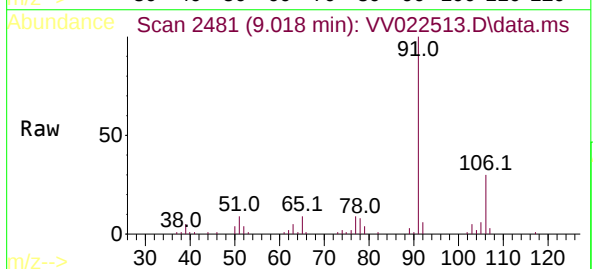
Ion	Ratio	Lower	Upper
164	100		
129	89.2	64.6	120.0
131	88.2	59.9	111.3
166	130.4	88.0	163.4

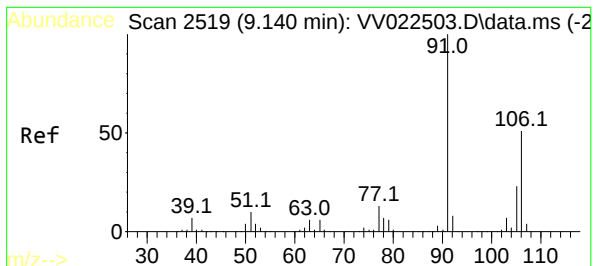


#52
Ethylbenzene
Concen: 3.679 ug/L
RT: 9.018 min Scan# 2481
Delta R.T. 0.006 min
Lab File: VV022513.D
Acq: 02 Oct 2021 16:07

Tgt Ion: 91 Resp: 27221

Ion	Ratio	Lower	Upper
91	100		
106	29.5	22.0	41.0





#53

m,p-Xylene

Concen: 1.795 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.006 min

Lab File: VV022513.D

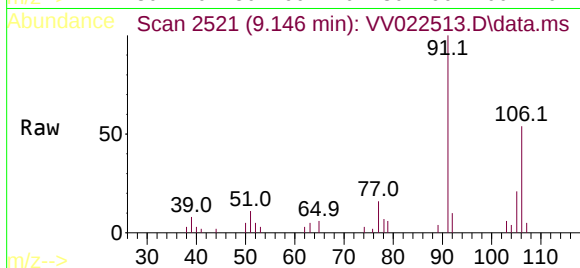
Acq: 02 Oct 2021 16:07

Tgt Ion:106 Resp: 5263

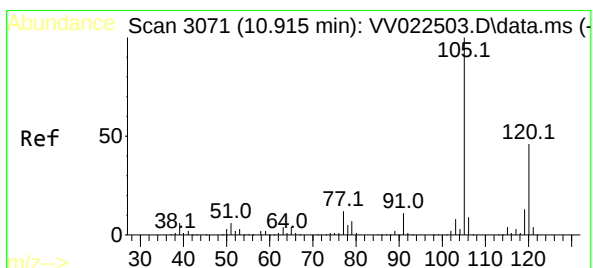
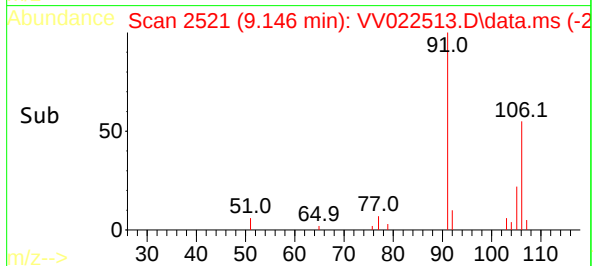
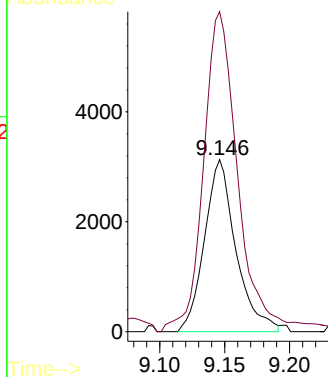
Ion Ratio Lower Upper

106 100

91 186.1 139.4 258.8



Abundance



#63

1,2,4-Trimethylbenzene

Concen: 3.332 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.003 min

Lab File: VV022513.D

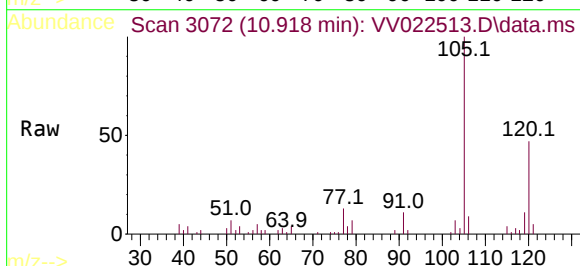
Acq: 02 Oct 2021 16:07

Tgt Ion:105 Resp: 18834

Ion Ratio Lower Upper

105 100

120 48.6 37.4 56.0



Abundance

