

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100221\
 Data File : VV022516.D
 Acq On : 02 Oct 2021 17:18
 Operator : SY/MD
 Sample : M3997-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4A47

Quant Time: Oct 04 02:01:18 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)

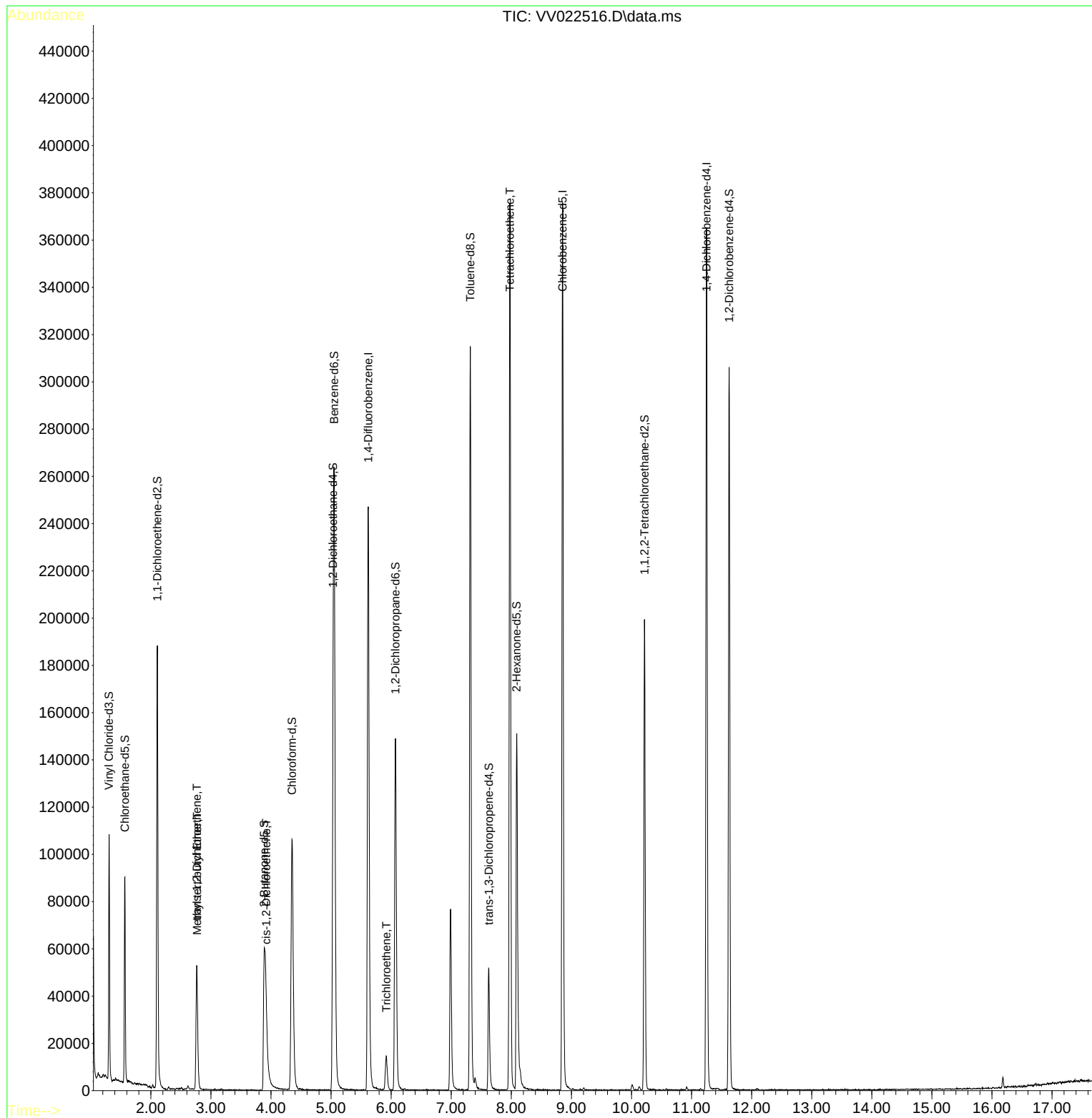
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	223384	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	209468	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	99246	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	63790	46.173	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.340%
7) Chloroethane-d5	1.568	69	51394	47.325	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.660%
11) 1,1-Dichloroethene-d2	2.108	63	95815	35.173	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.340%
21) 2-Butanone-d5	3.886	46	79894	105.059	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.060%
24) Chloroform-d	4.349	84	111109	44.019	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.040%
26) 1,2-Dichloroethane-d4	5.034	65	71283	48.683	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.360%
32) Benzene-d6	5.050	84	233952	48.211	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.420%
36) 1,2-Dichloropropane-d6	6.072	67	72516	48.542	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.080%
41) Toluene-d8	7.317	98	208822	46.913	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.820%
43) trans-1,3-Dichloroprop...	7.625	79	30510	43.166	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.340%
47) 2-Hexanone-d5	8.088	63	51811	83.721	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.720%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	93803	45.156	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.320%
66) 1,2-Dichlorobenzene-d4	11.625	152	83419	51.542	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.080%
Target Compounds						
					Qvalue	
17) trans-1,2-Dichloroethene	2.764	96	11665	6.810	ug/L	99
18) Methyl tert-butyl Ether	2.770	73	23175	4.382	ug/L	98
20) cis-1,2-Dichloroethene	3.918	96	6415	3.515	ug/L	92
34) Trichloroethene	5.921	95	3612	2.139	ug/L	87
46) Tetrachloroethene	7.976	164	86208	60.980	ug/L	98

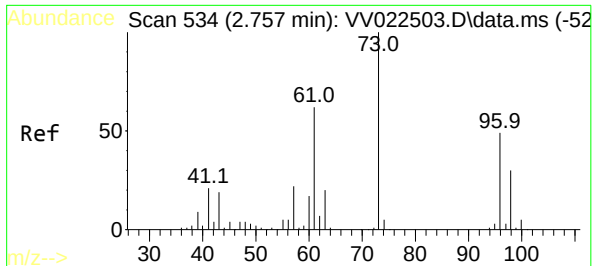
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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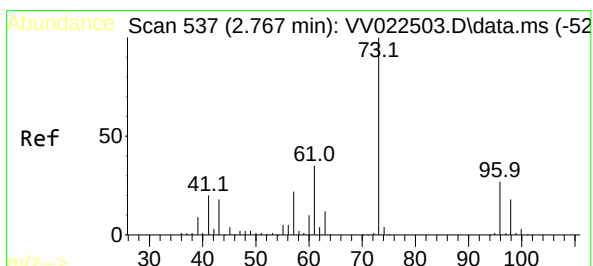
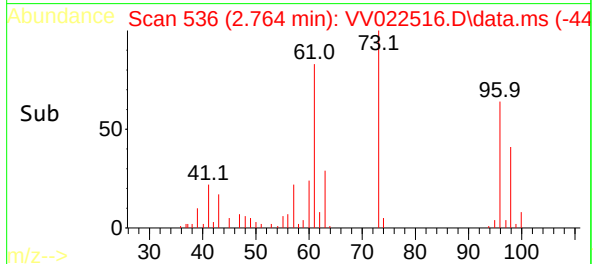
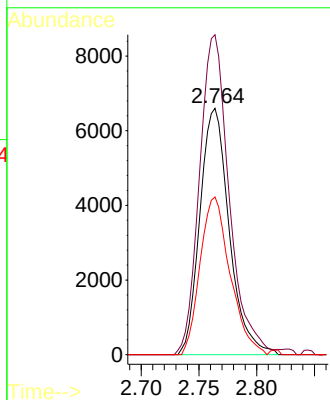
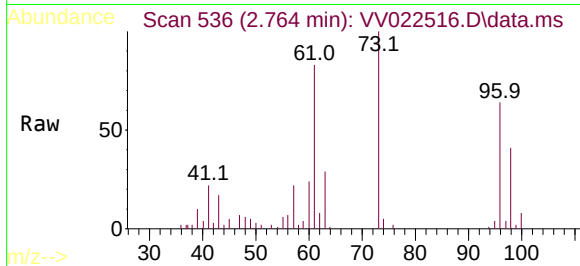




#17
trans-1,2-Dichloroethene
Concen: 6.810 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.007 min
Lab File: VV022516.D
Acq: 02 Oct 2021 17:18

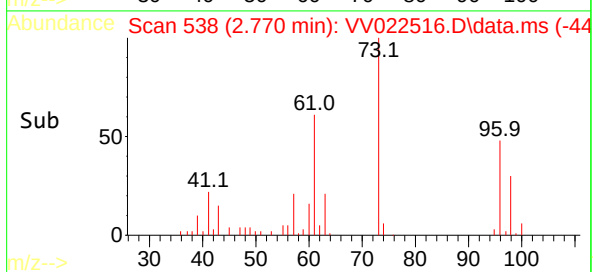
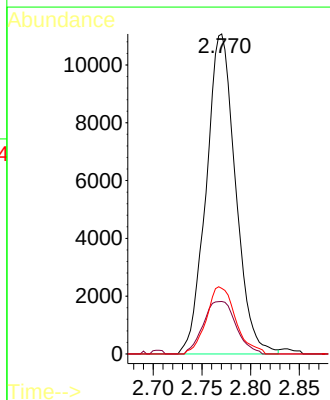
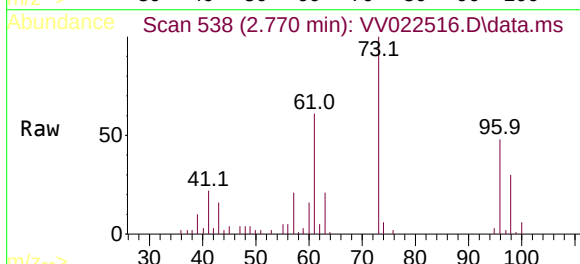
Instrument :
MSVOA_V
ClientSampleId :
F4A47

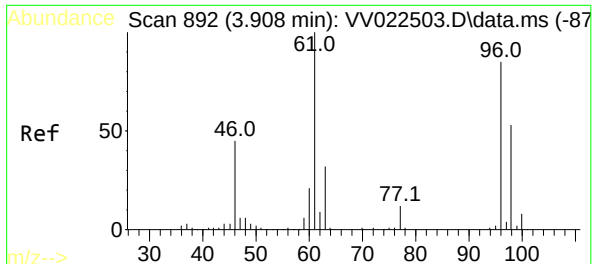
Tgt Ion: 96 Resp: 11665
Ion Ratio Lower Upper
96 100
61 129.9 90.8 168.6
98 64.0 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 4.382 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV022516.D
Acq: 02 Oct 2021 17:18

Tgt Ion: 73 Resp: 23175
Ion Ratio Lower Upper
73 100
43 18.3 15.1 22.7
57 20.9 17.6 26.4

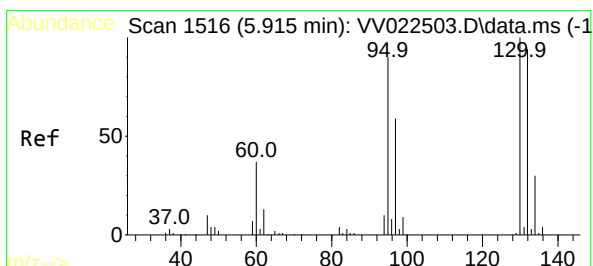
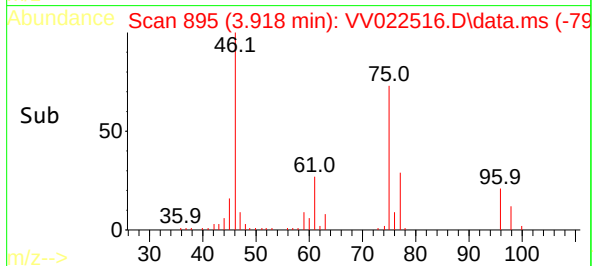
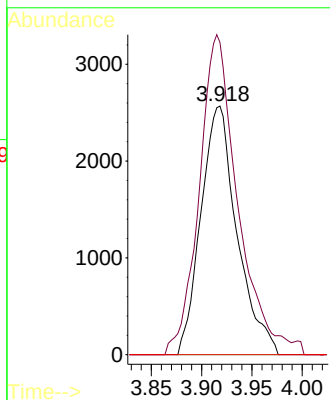
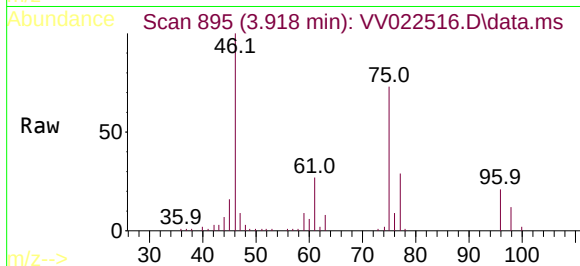




#20
cis-1,2-Dichloroethene
Concen: 3.515 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.010 min
Lab File: VV022516.D
Acq: 02 Oct 2021 17:18

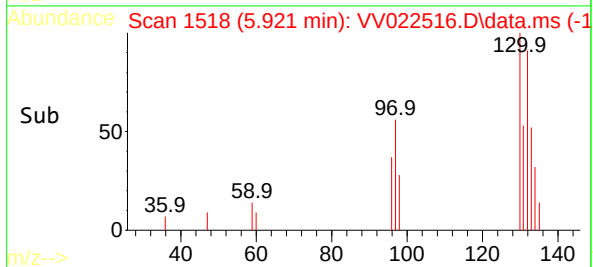
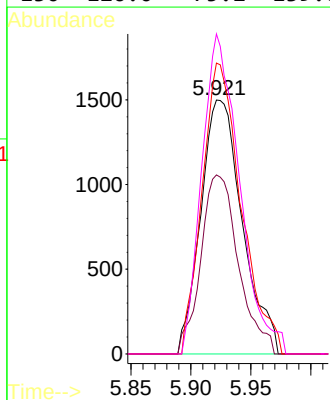
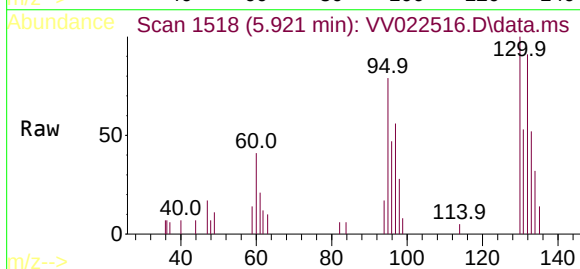
Instrument :
MSVOA_V
ClientSampled :
F4A47

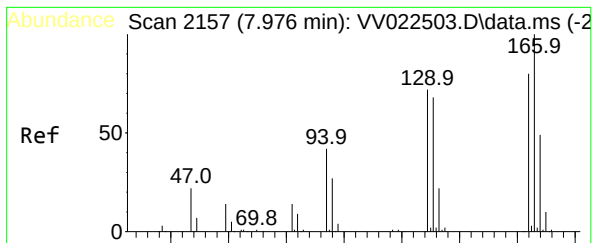
Tgt Ion: 96 Resp: 6415
Ion Ratio Lower Upper
96 100
61 125.6 81.9 152.1
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 2.139 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.007 min
Lab File: VV022516.D
Acq: 02 Oct 2021 17:18

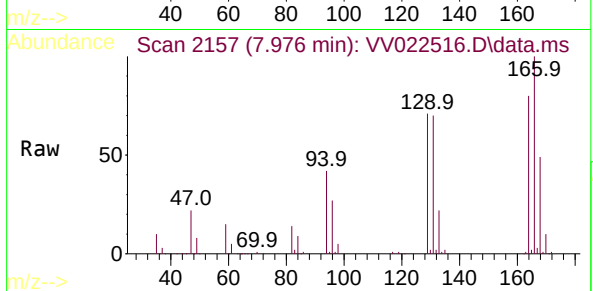
Tgt Ion: 95 Resp: 3612
Ion Ratio Lower Upper
95 100
97 70.5 45.4 84.4
132 114.5 71.5 132.9
130 126.0 75.2 139.6





#46
 Tetrachloroethene
 Concen: 60.980 ug/L
 RT: 7.976 min Scan# 2157
 Delta R.T. 0.000 min
 Lab File: VV022516.D
 Acq: 02 Oct 2021 17:18

Instrument :
 MSVOA_V
 ClientSampleId :
 F4A47



Tgt Ion:164 Resp: 86208

Ion	Ratio	Lower	Upper
164	100		
129	88.9	64.6	120.0
131	87.7	59.9	111.3
166	125.0	88.0	163.4

