

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050621\
 Data File : VW021312.D
 Acq On : 06 May 2021 17:13
 Operator : SY/MD
 Sample : M2320-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 07 03:58:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 07 03:56:18 2021
 Response via : Initial Calibration

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

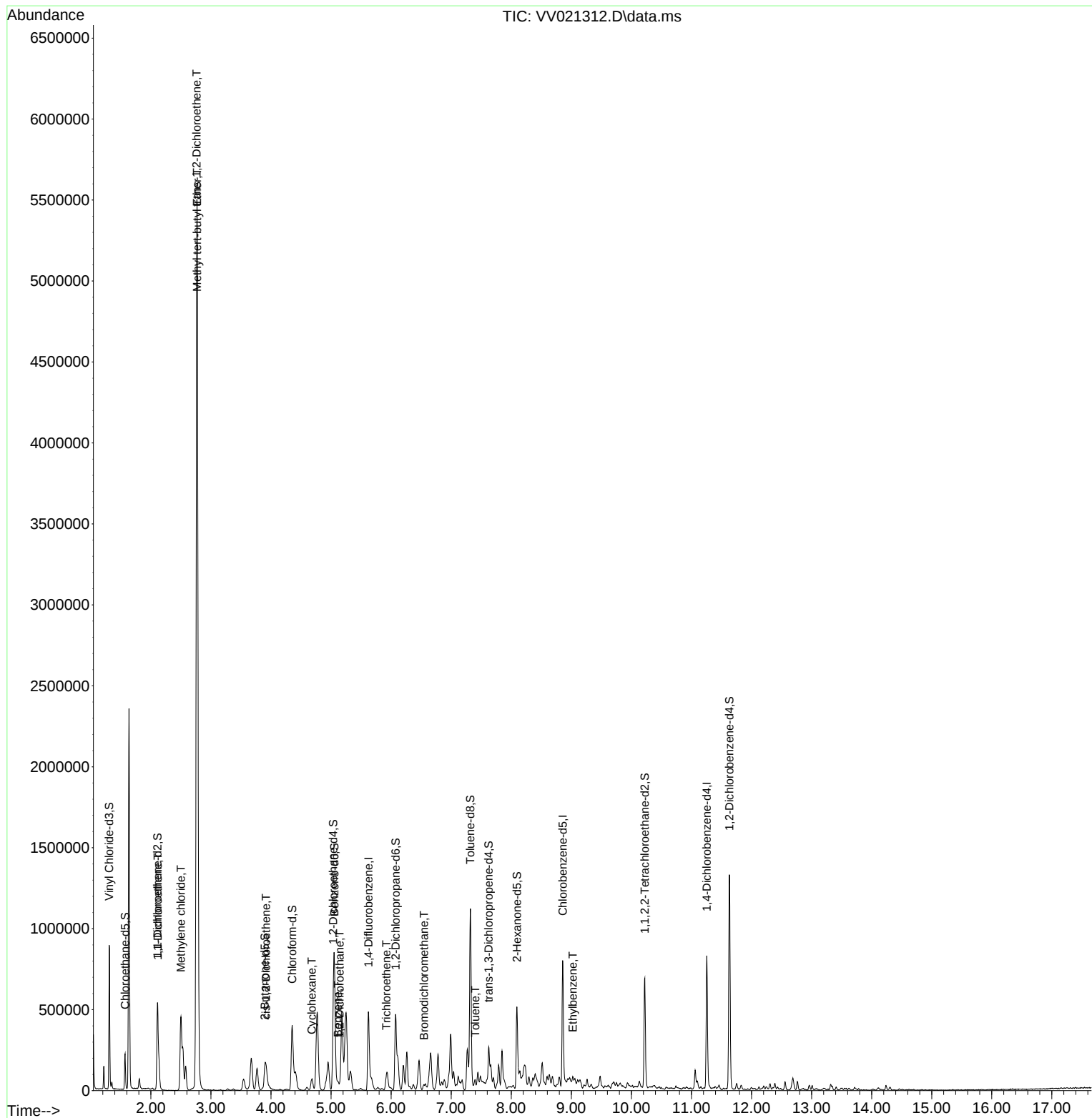
Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	400929	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	404836	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	210649	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	144083	81.01	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 162.02%#			
7) Chloroethane-d5	1.571	69	125592	79.02	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 158.04%#			
11) 1,1-Dichloroethene-d2	2.111	63	264765	53.36	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 106.72%			
21) 2-Butanone-d5	3.899	46	194850	136.53	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 136.53%#			
24) Chloroform-d	4.355	84	391420	69.15	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 138.30%#			
26) 1,2-Dichloroethane-d4	5.037	65	310684	73.32	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 146.64%#			
32) Benzene-d6	5.056	84	670425	71.91	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 143.82%#			
36) 1,2-Dichloropropane-d6	6.075	67	172995	72.23	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 144.46%#			
41) Toluene-d8	7.320	98	700430	72.50	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 145.00%#			
43) trans-1,3-Dichloroprop...	7.625	79	119344	67.00	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 134.00%#			
47) 2-Hexanone-d5	8.095	63	141329	127.79	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 127.79%			
56) 1,1,2,2-Tetrachloroeth...	10.223	84	256332	66.88	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 133.76%#			
66) 1,2-Dichlorobenzene-d4	11.632	152	308165	74.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 148.46%#			
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	2.114	96	3053	1.22	ug/L #	1
16) Methylene chloride	2.500	84	4012	1.56	ug/L #	1
17) trans-1,2-Dichloroethene	2.764	96	47719	18.98	ug/L	94
18) Methyl tert-butyl Ether	2.770	73	4498157	499.12	ug/L #	78
20) cis-1,2-Dichloroethene	3.915	96	33834	12.24	ug/L	89
27) 1,2-Dichloroethane	5.143	62	14460	2.77	ug/L #	66
29) Cyclohexane	4.680	56	25309	7.44	ug/L #	77
33) Benzene	5.114	78	28990	2.80	ug/L	100
34) Trichloroethene	5.921	95	10388	3.12	ug/L	95
38) Bromodichloromethane	6.548	83	10765	2.32	ug/L #	24
42) Toluene	7.403	91	11114	0.92	ug/L	78
52) Ethylbenzene	9.024	91	9790	0.70	ug/L	90

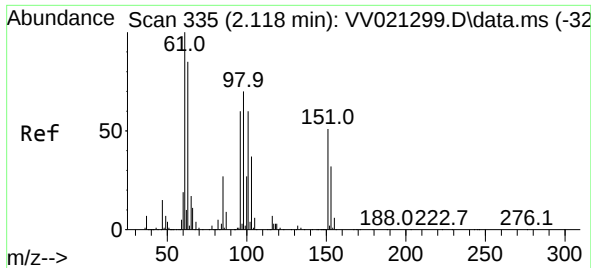
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri May 07 03:56:18 2021
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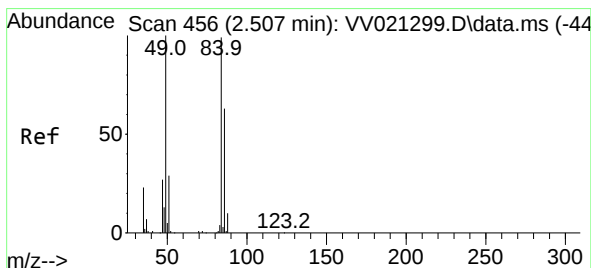
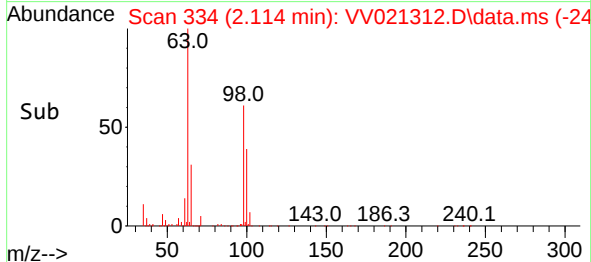
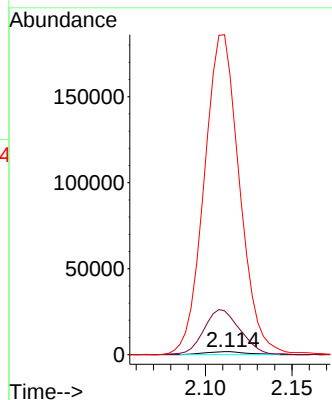
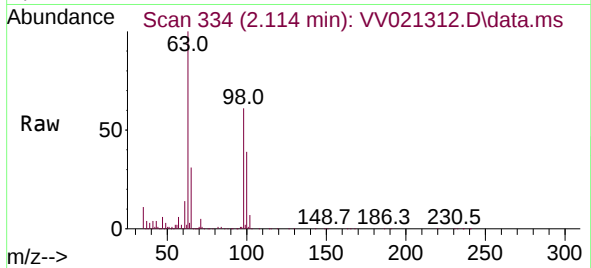




#12
1,1-Dichloroethene
Concen: 1.22 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.003 min
Lab File: VV021312.D
Acq: 06 May 2021 17:13

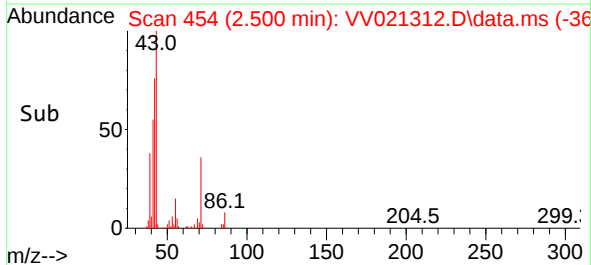
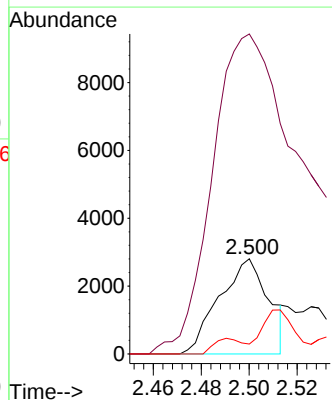
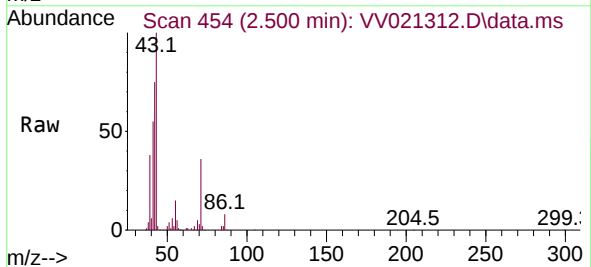
Instrument :
MSVOA_V
ClientSampled :

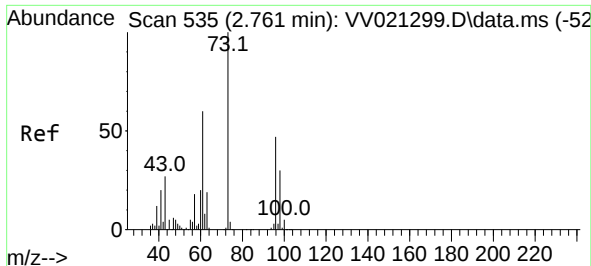
Tgt Ion: 96 Resp: 3053
Ion Ratio Lower Upper
96 100
61 1237.1 121.4 225.6#
63 9053.9 98.1 182.1#



#16
Methylene chloride
Concen: 1.56 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.006 min
Lab File: VV021312.D
Acq: 06 May 2021 17:13

Tgt Ion: 84 Resp: 4012
Ion Ratio Lower Upper
84 100
86 335.9 44.9 83.5#
49 10.4 78.1 145.1#

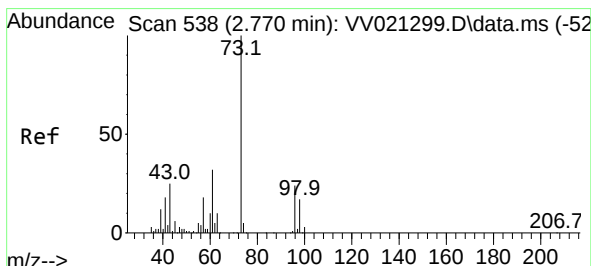
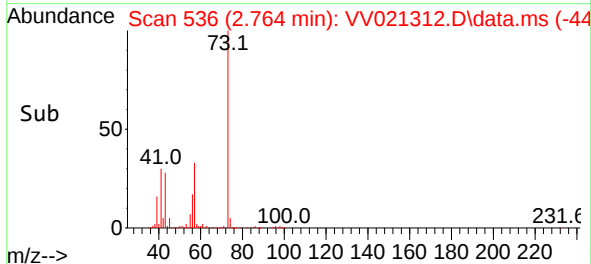
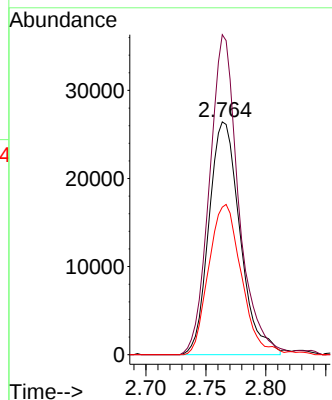
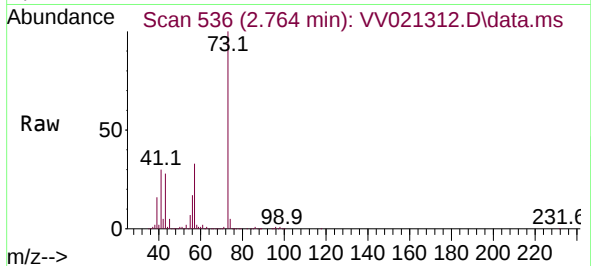




#17
trans-1,2-Dichloroethene
Concen: 18.98 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV021312.D
Acq: 06 May 2021 17:13

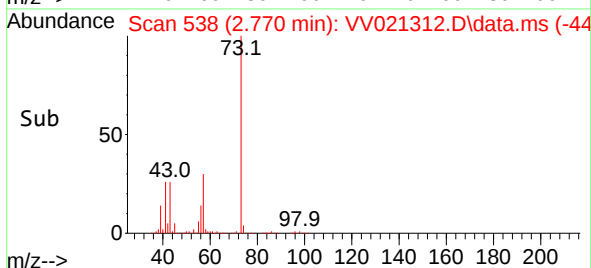
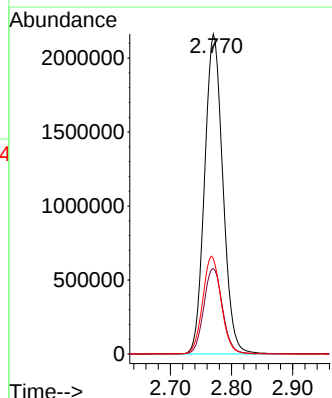
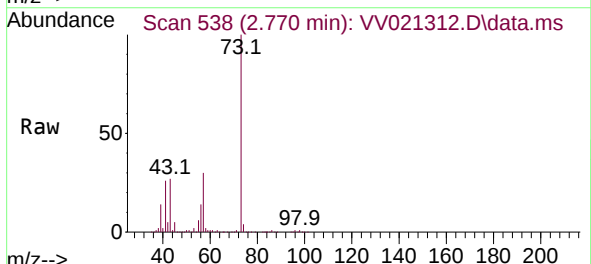
Instrument :
MSVOA_V
ClientSampleId :

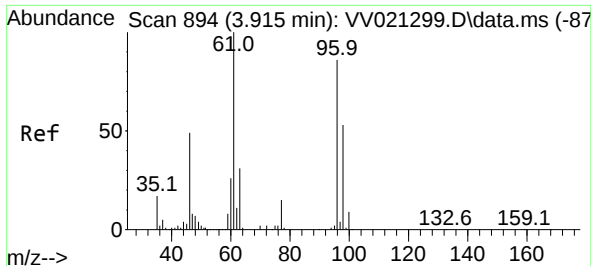
Tgt Ion: 96 Resp: 47719
Ion Ratio Lower Upper
96 100
61 137.4 89.3 165.9
98 63.3 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 499.12 ug/L
RT: 2.770 min Scan# 538
Delta R.T. -0.000 min
Lab File: VV021312.D
Acq: 06 May 2021 17:13

Tgt Ion: 73 Resp: 4498157
Ion Ratio Lower Upper
73 100
43 27.3 14.7 22.1#
57 30.7 15.9 23.9#

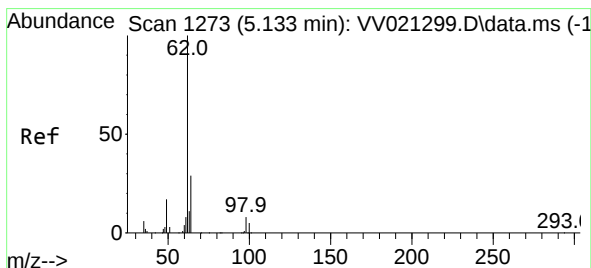
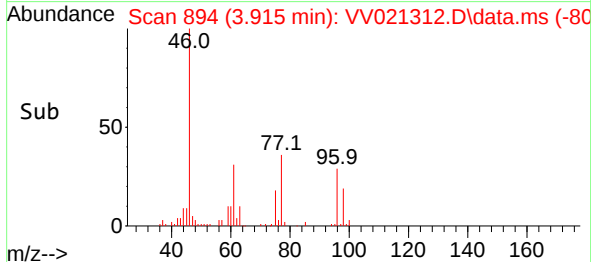
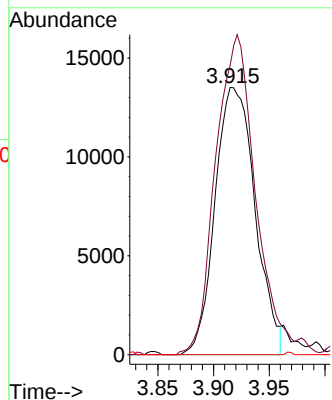
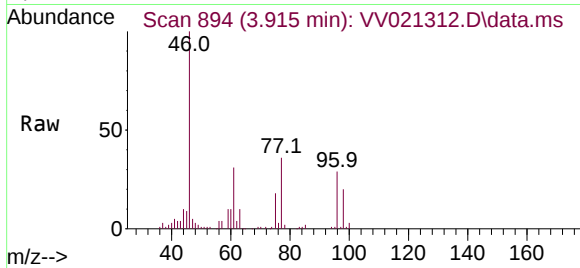




#20
cis-1,2-Dichloroethene
Concen: 12.24 ug/L
RT: 3.915 min Scan# 894
Delta R.T. -0.000 min
Lab File: VV021312.D
Acq: 06 May 2021 17:13

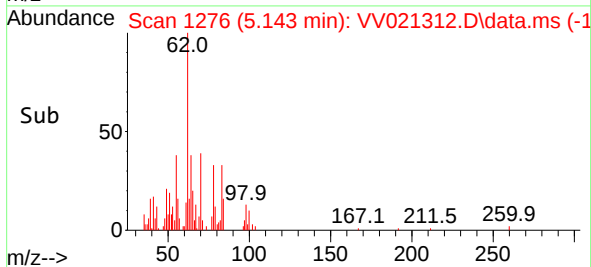
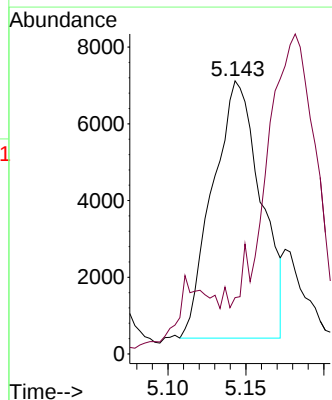
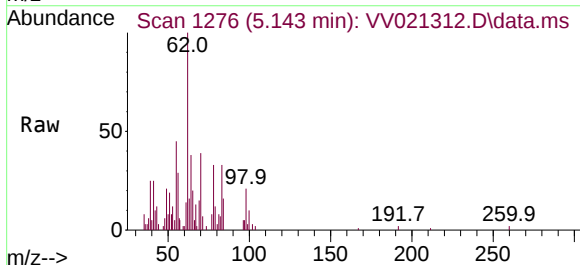
Instrument :
MSVOA_V
ClientSampleId :

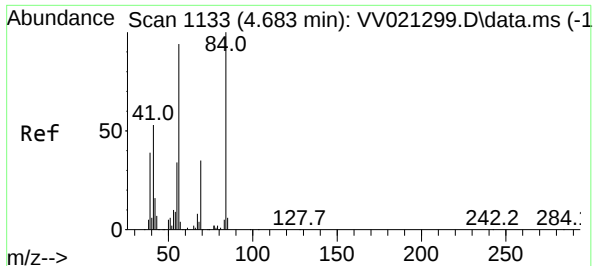
Tgt Ion: 96 Resp: 33834
Ion Ratio Lower Upper
96 100
61 108.2 84.4 156.7
68 0.0 0.0 0.0



#27
1,2-Dichloroethane
Concen: 2.77 ug/L
RT: 5.143 min Scan# 1276
Delta R.T. 0.010 min
Lab File: VV021312.D
Acq: 06 May 2021 17:13

Tgt Ion: 62 Resp: 14460
Ion Ratio Lower Upper
62 100
98 20.7 6.7 10.1#





#29

Cyclohexane

Concen: 7.44 ug/L

RT: 4.680 min Scan# 1132

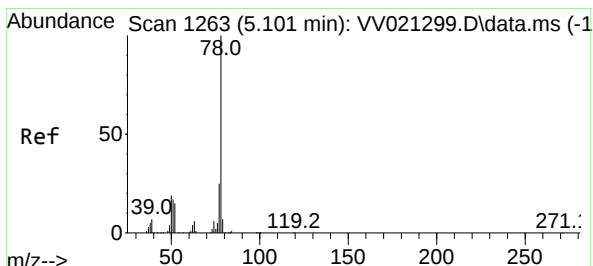
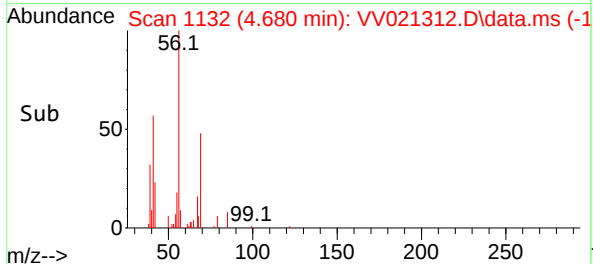
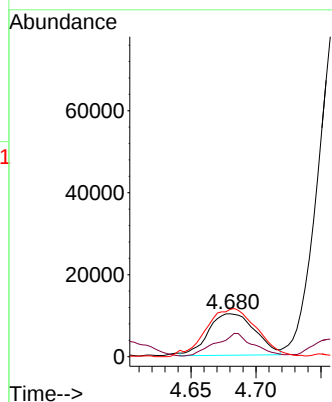
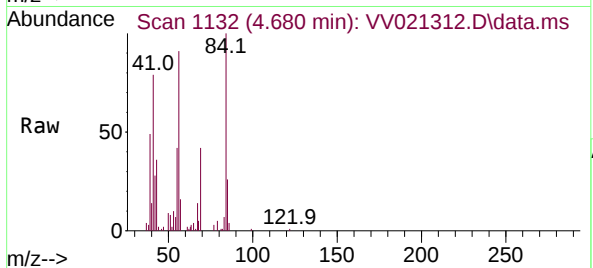
Delta R.T. -0.003 min

Lab File: VV021312.D

Acq: 06 May 2021 17:13

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion:	56	Resp:	25309
Ion Ratio	Lower	Upper	
56	100		
69	44.1	25.7	38.5#
84	117.5	75.7	113.5#



#33

Benzene

Concen: 2.80 ug/L

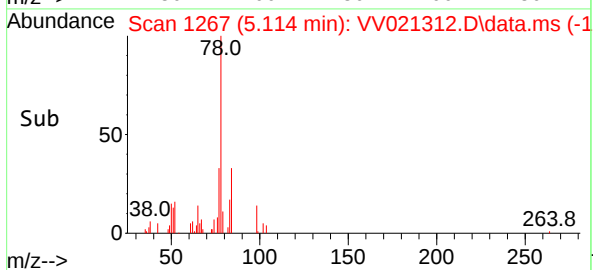
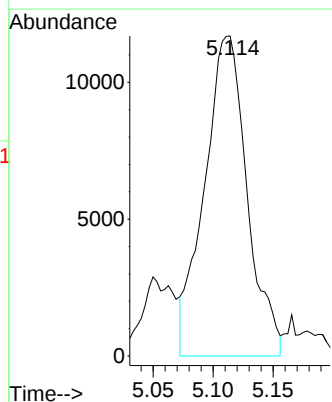
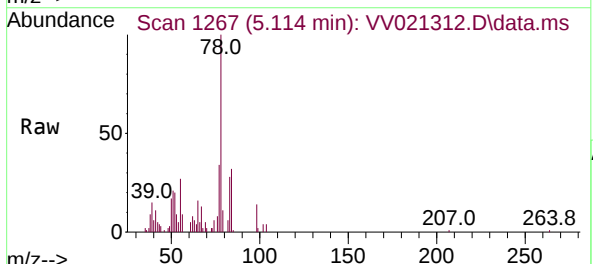
RT: 5.114 min Scan# 1267

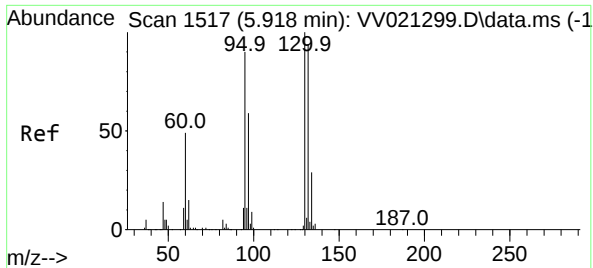
Delta R.T. 0.013 min

Lab File: VV021312.D

Acq: 06 May 2021 17:13

Tgt Ion: 78 Resp: 28990



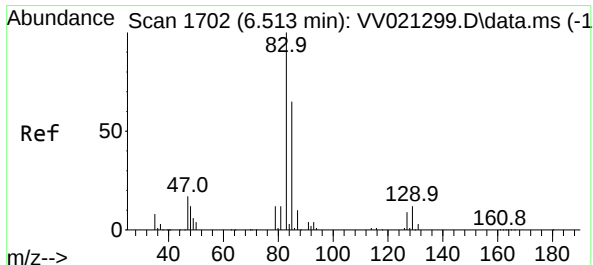
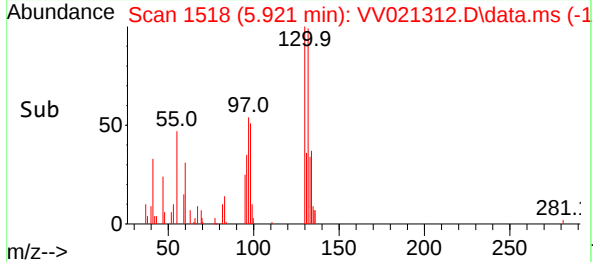
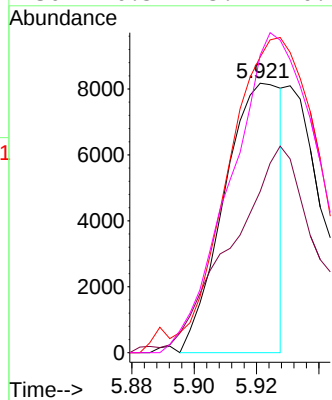
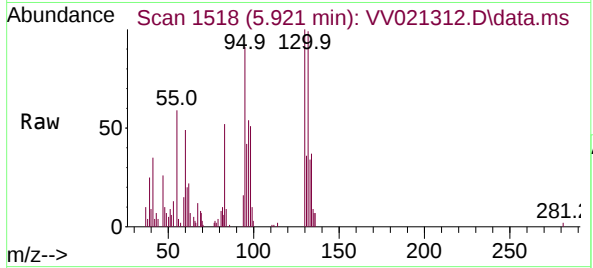


#34
Trichloroethene
Concen: 3.12 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.003 min
Lab File: VV021312.D
Acq: 06 May 2021 17:13

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 95 Resp: 10388

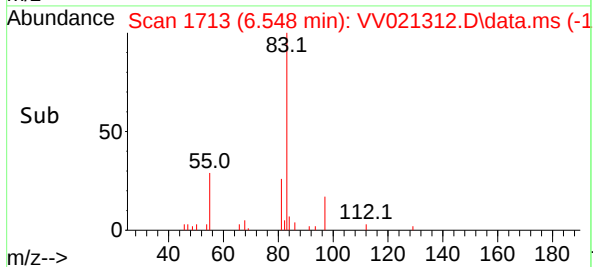
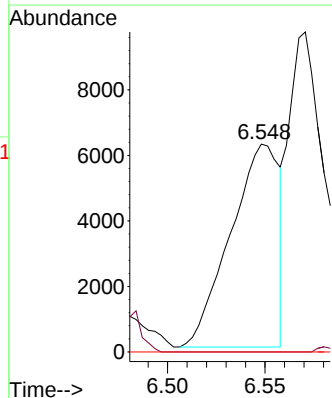
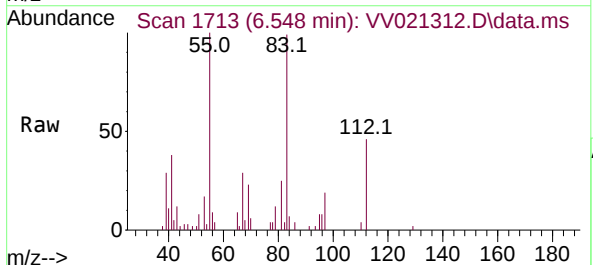
Ion	Ratio	Lower	Upper
95	100		
97	59.8	45.5	84.5
132	109.7	71.0	131.8
130	110.5	75.7	140.7

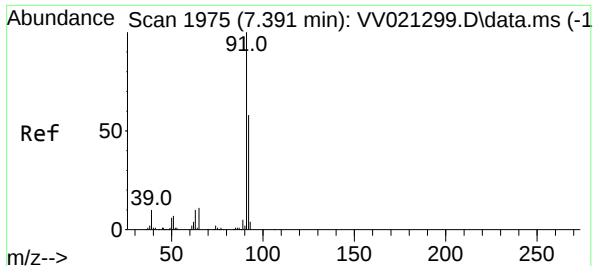


#38
Bromodichloromethane
Concen: 2.32 ug/L
RT: 6.548 min Scan# 1713
Delta R.T. 0.035 min
Lab File: VV021312.D
Acq: 06 May 2021 17:13

Tgt Ion: 83 Resp: 10765

Ion	Ratio	Lower	Upper
83	100		
85	0.0	46.2	85.8#
127	0.0	7.4	11.0#





#42

Toluene

Concen: 0.92 ug/L

RT: 7.403 min Scan# 1979

Delta R.T. 0.013 min

Lab File: VV021312.D

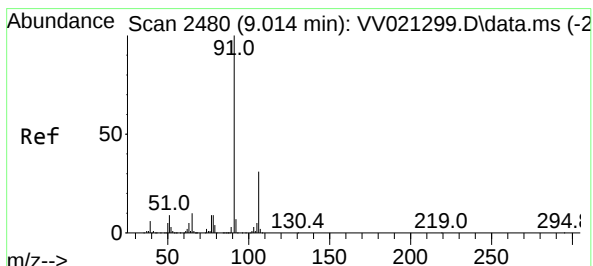
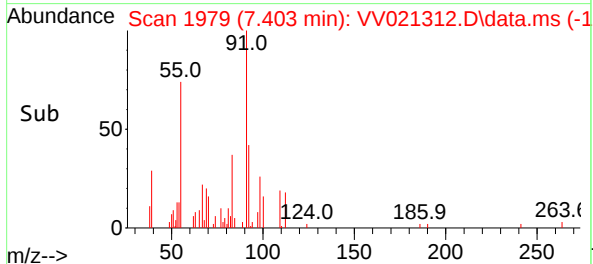
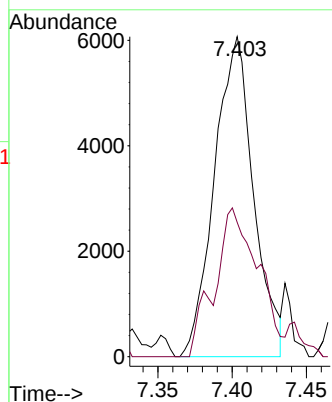
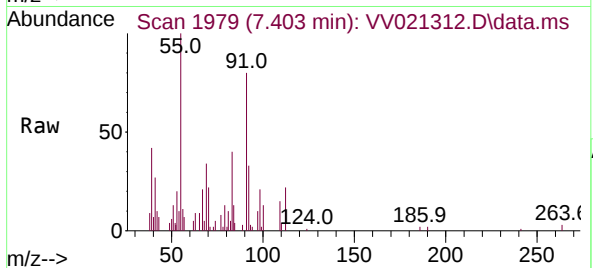
Acq: 06 May 2021 17:13

Tgt Ion: 91 Resp: 11114

Ion Ratio Lower Upper

91 100

92 42.0 41.0 76.2



#52

Ethylbenzene

Concen: 0.70 ug/L

RT: 9.024 min Scan# 2483

Delta R.T. 0.010 min

Lab File: VV021312.D

Acq: 06 May 2021 17:13

Tgt Ion: 91 Resp: 9790

Ion Ratio Lower Upper

91 100

106 25.7 21.8 40.4

