

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060321\
 Data File : VV021488.D
 Acq On : 03 Jun 2021 15:34
 Operator : SY/MD
 Sample : M2605-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 04 03:08:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 04 03:06:56 2021
 Response via : Initial Calibration

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

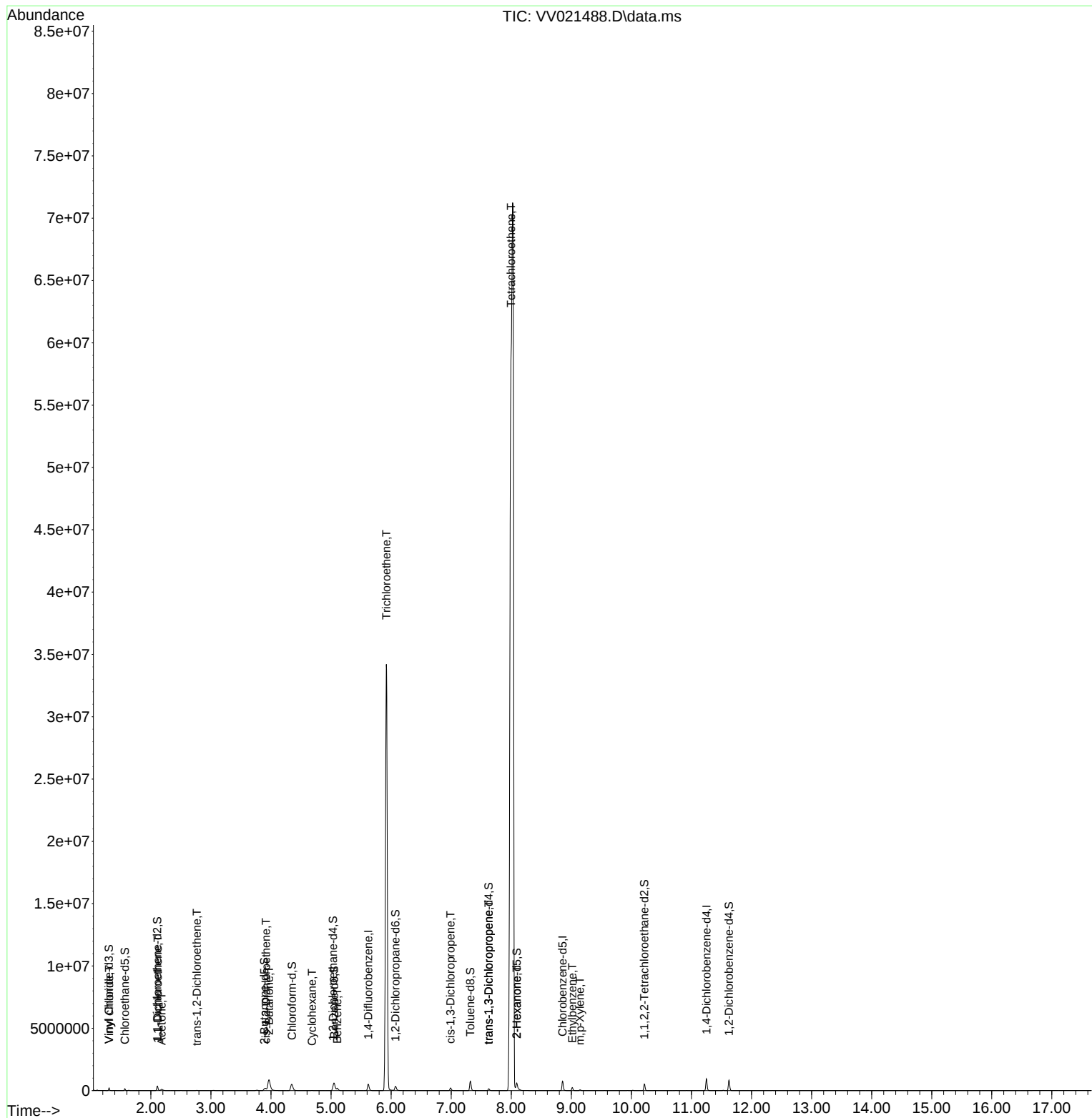
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	486592	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	452086	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	270432	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	119538	37.313	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.620%		
7) Chloroethane-d5	1.568	69	99837	41.893	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	83.780%		
11) 1,1-Dichloroethene-d2	2.108	63	176307	32.207	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.420%		
21) 2-Butanone-d5	3.889	46	229149	99.748	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.750%		
24) Chloroform-d	4.352	84	268856	42.158	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.320%		
26) 1,2-Dichloroethane-d4	5.034	65	165544	45.067	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.140%		
32) Benzene-d6	5.053	84	554792	43.867	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.740%		
36) 1,2-Dichloropropane-d6	6.072	67	167214	42.813	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	85.620%		
41) Toluene-d8	7.320	98	519758	43.136	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.280%		
43) trans-1,3-Dichloroprop...	7.625	79	90282	43.194	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.380%		
47) 2-Hexanone-d5	8.092	63	167282	93.276	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.280%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	251789	46.442	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.880%		
66) 1,2-Dichlorobenzene-d4	11.625	152	244796	43.546	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.100%		
Target Compounds						Qvalue
5) Vinyl chloride	1.307	62	3701	1.073	ug/L #	44
12) 1,1-Dichloroethene	2.118	96	22398	7.843	ug/L #	1
13) Acetone	2.179	43	164658	83.303	ug/L #	85
17) trans-1,2-Dichloroethene	2.767	96	4745	1.456	ug/L	94
20) cis-1,2-Dichloroethene	3.915	96	62038	17.019	ug/L	97
22) 2-Butanone	3.966	43	1602303	639.917	ug/L	95
29) Cyclohexane	4.683	56	7179	1.363	ug/L	94
33) Benzene	5.105	78	203745	15.746	ug/L	100
34) Trichloroethene	5.921	95	12174891	3461.476	ug/L	97
39) cis-1,3-Dichloropropene	6.989	75	4945	0.891	ug/L #	48
44) trans-1,3-Dichloropropene	7.625	75	3702	0.705	ug/L	87
46) Tetrachloroethene	7.998	164	14220687	4397.579	ug/L	91
48) 2-Hexanone	8.092	43	15910	4.637	ug/L #	66
52) Ethylbenzene	9.014	91	179670	11.396	ug/L	99
53) m,p-Xylene	9.143	106	19214	3.172	ug/L	94

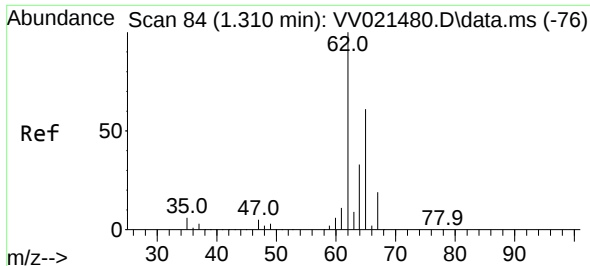
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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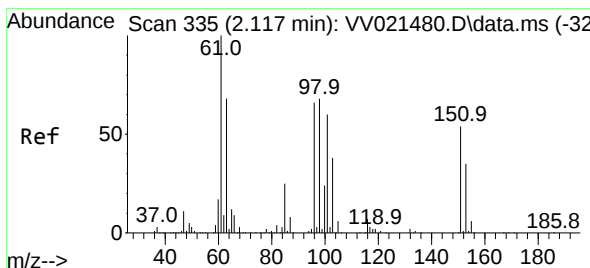
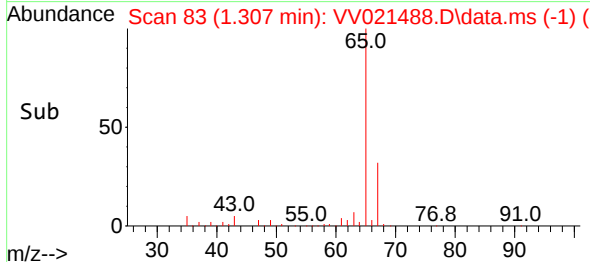
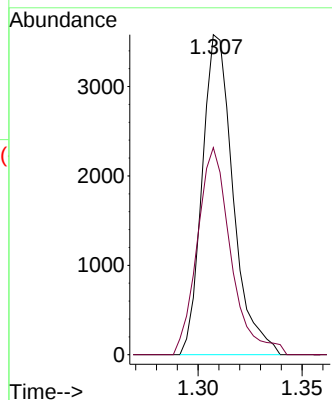
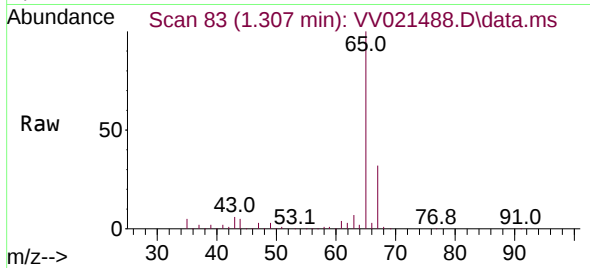




#5
 Vinyl chloride
 Concen: 1.073 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.003 min
 Lab File: VV021488.D
 Acq: 03 Jun 2021 15:34

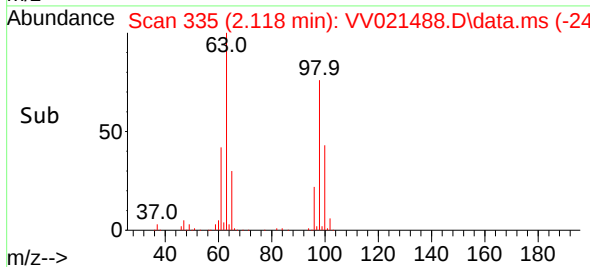
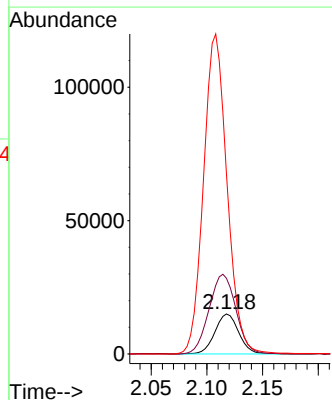
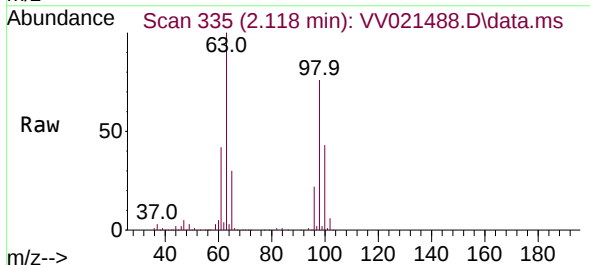
Instrument :
 MSVOA_V
 ClientSampled :

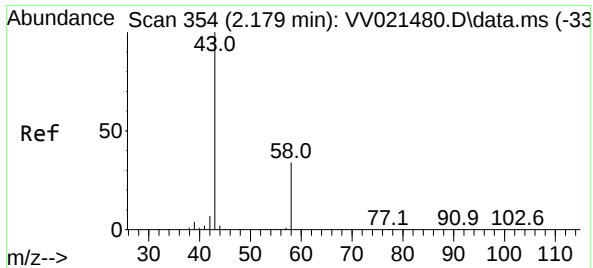
Tgt Ion: 62 Resp: 3701
 Ion Ratio Lower Upper
 62 100
 64 64.7 23.1 42.9#



#12
 1,1-Dichloroethene
 Concen: 7.843 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV021488.D
 Acq: 03 Jun 2021 15:34

Tgt Ion: 96 Resp: 22398
 Ion Ratio Lower Upper
 96 100
 61 189.2 107.7 200.1
 63 451.0 86.6 160.8#

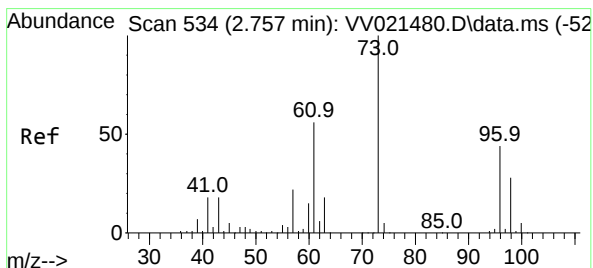
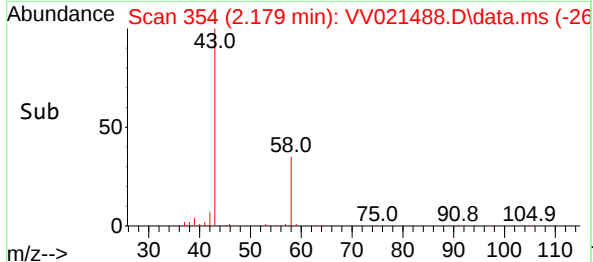
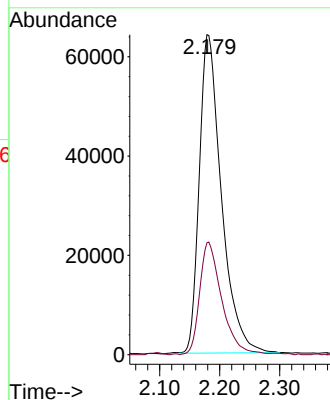
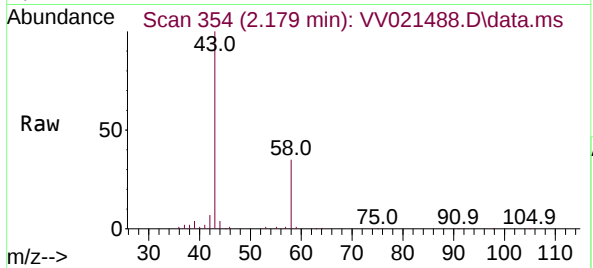




#13
Acetone
Concen: 83.303 ug/L
RT: 2.179 min Scan# 354
Delta R.T. 0.000 min
Lab File: VV021488.D
Acq: 03 Jun 2021 15:34

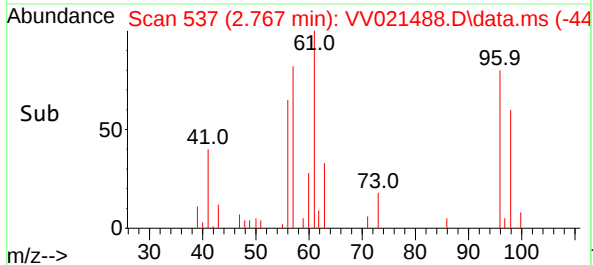
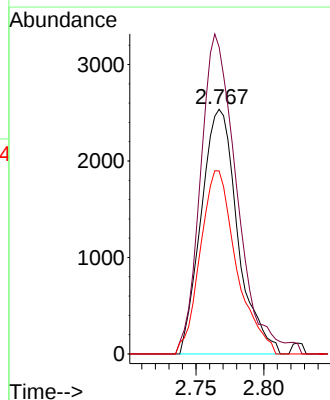
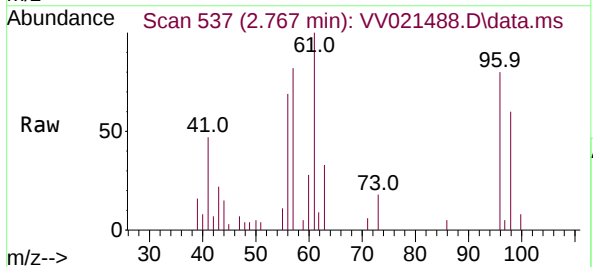
Instrument :
MSVOA_V
ClientSampled :

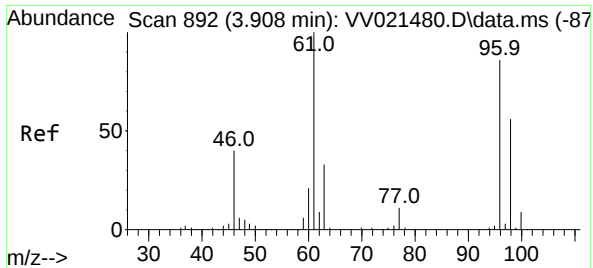
Tgt Ion: 43 Resp: 164658
Ion Ratio Lower Upper
43 100
58 35.2 0.0 0.2#



#17
trans-1,2-Dichloroethene
Concen: 1.456 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.010 min
Lab File: VV021488.D
Acq: 03 Jun 2021 15:34

Tgt Ion: 96 Resp: 4745
Ion Ratio Lower Upper
96 100
61 125.5 88.8 165.0
98 74.8 44.4 82.4

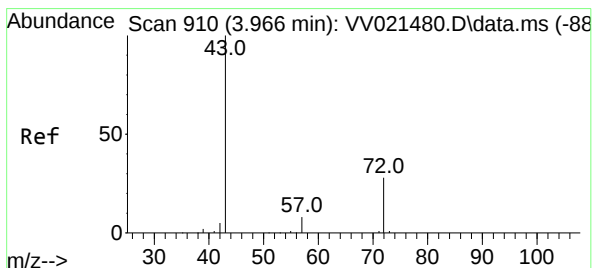
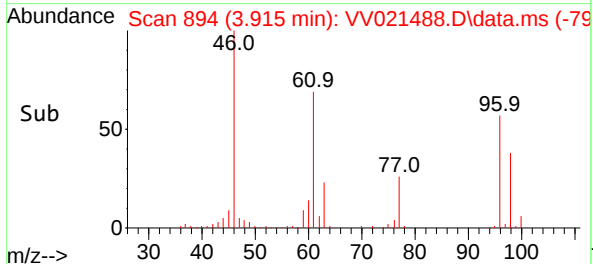
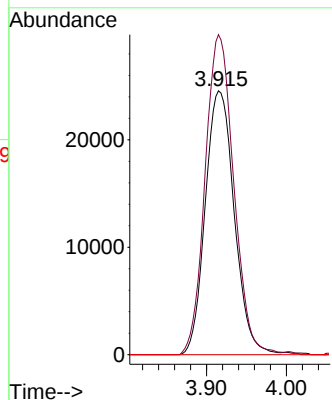
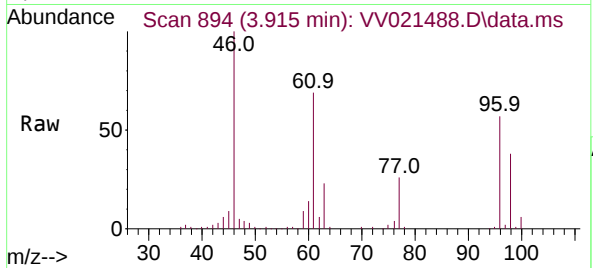




#20
cis-1,2-Dichloroethene
Concen: 17.019 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.007 min
Lab File: VV021488.D
Acq: 03 Jun 2021 15:34

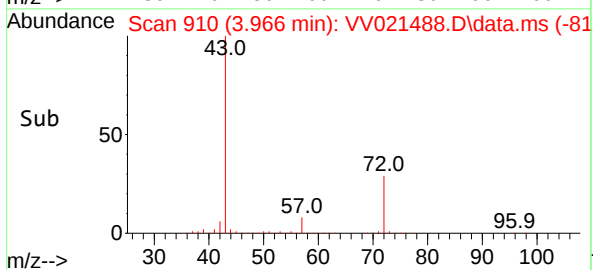
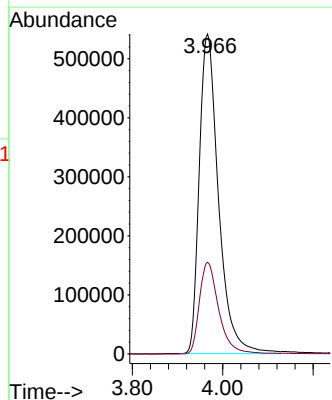
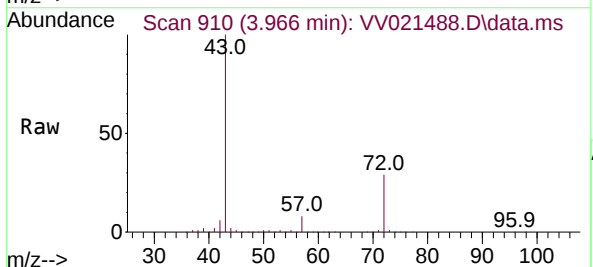
Instrument :
MSVOA_V
ClientSampled :

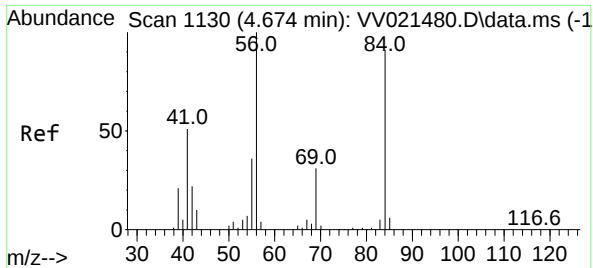
Tgt Ion: 96 Resp: 62038
Ion Ratio Lower Upper
96 100
61 121.3 82.4 153.0
68 0.0 0.0 0.0



#22
2-Butanone
Concen: 639.917 ug/L
RT: 3.966 min Scan# 910
Delta R.T. 0.000 min
Lab File: VV021488.D
Acq: 03 Jun 2021 15:34

Tgt Ion: 43 Resp: 1602303
Ion Ratio Lower Upper
43 100
72 28.7 13.1 39.1





#29

Cyclohexane

Concen: 1.363 ug/L

RT: 4.683 min Scan# 1133

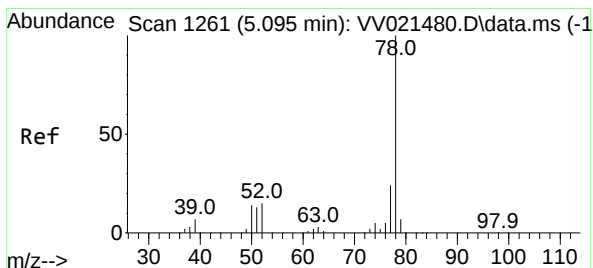
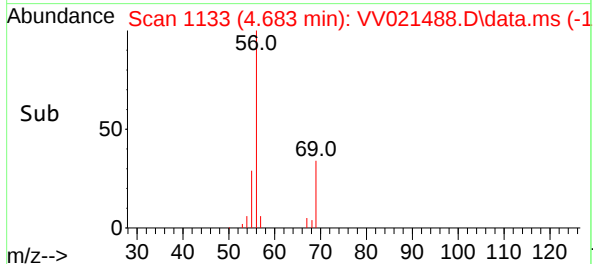
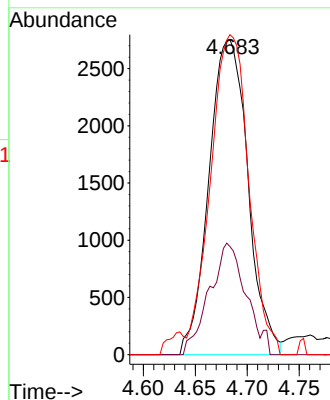
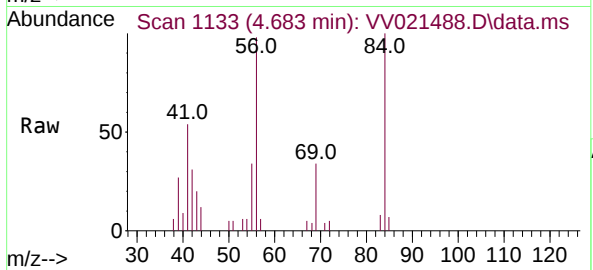
Delta R.T. 0.010 min

Lab File: VV021488.D

Acq: 03 Jun 2021 15:34

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion:	56	Resp:	7179
Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.9	37.3
84	99.3	73.7	110.5



#33

Benzene

Concen: 15.746 ug/L

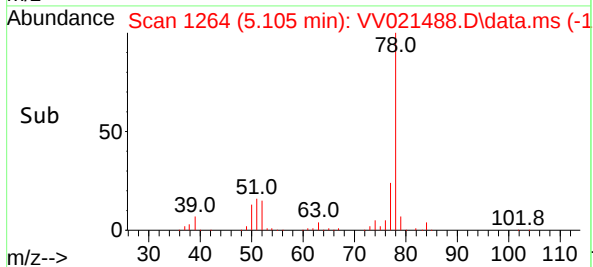
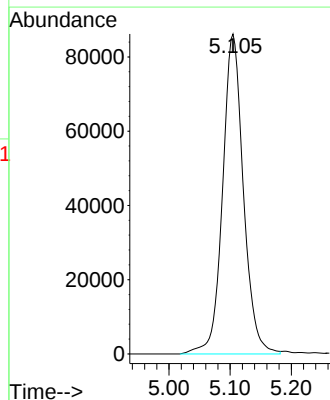
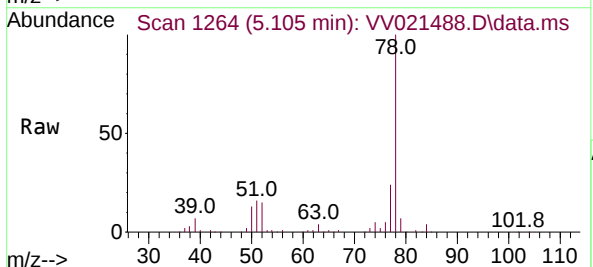
RT: 5.105 min Scan# 1264

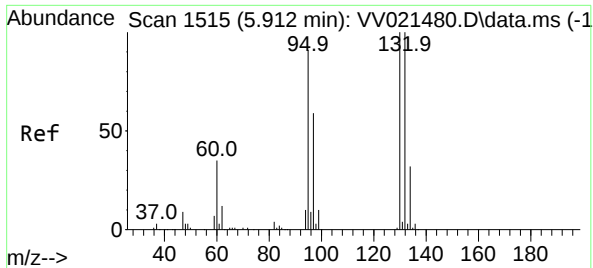
Delta R.T. 0.010 min

Lab File: VV021488.D

Acq: 03 Jun 2021 15:34

Tgt Ion: 78 Resp: 203745





#34

Trichloroethene

Concen: 3461.476 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.010 min

Lab File: VV021488.D

Acq: 03 Jun 2021 15:34

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 95 Resp:12174891

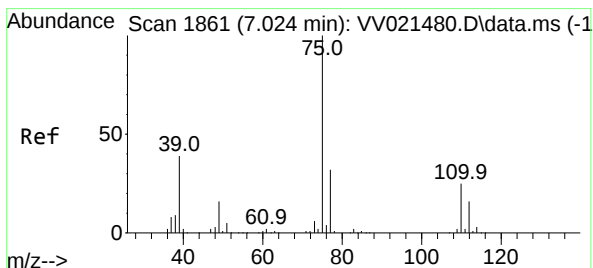
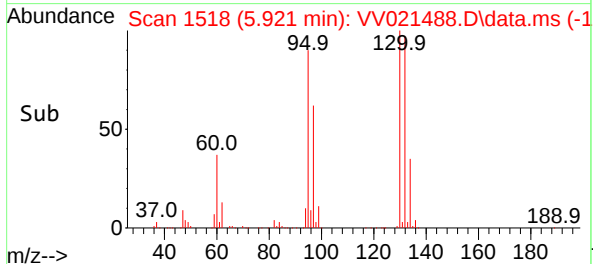
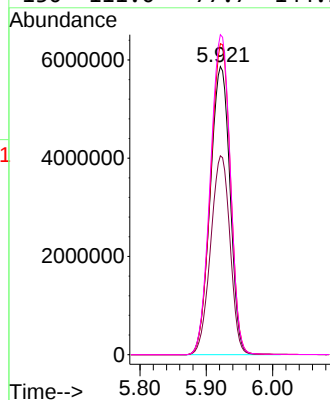
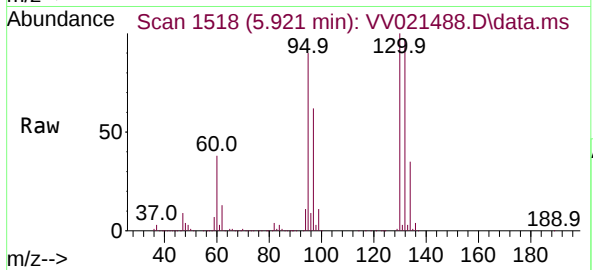
Ion Ratio Lower Upper

95 100

97 69.0 44.3 82.3

132 107.9 73.2 136.0

130 111.0 77.7 144.3



#39

cis-1,3-Dichloropropene

Concen: 0.891 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.035 min

Lab File: VV021488.D

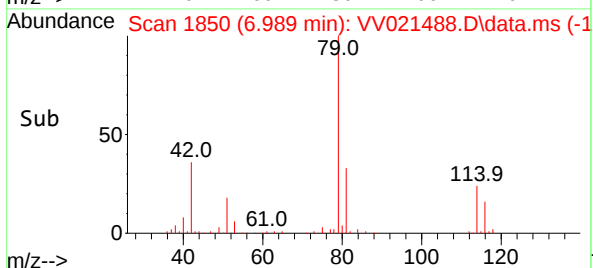
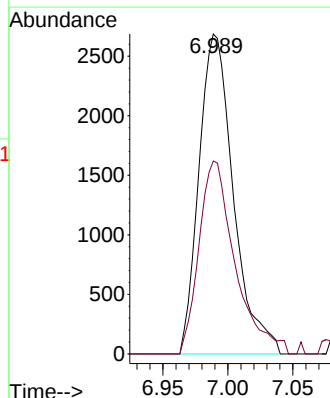
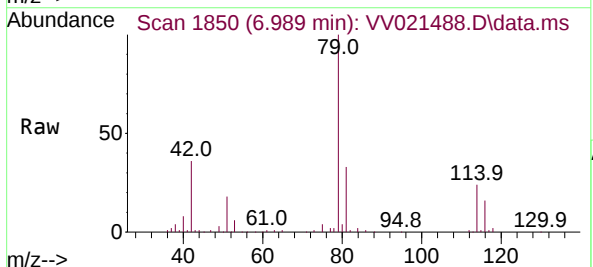
Acq: 03 Jun 2021 15:34

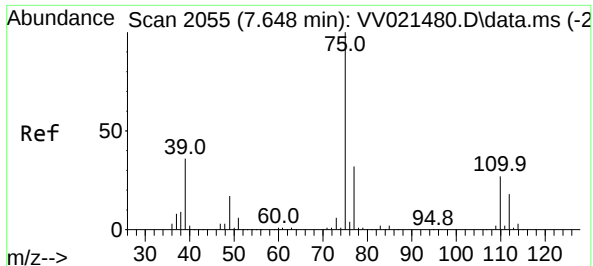
Tgt Ion: 75 Resp: 4945

Ion Ratio Lower Upper

75 100

77 60.3 22.0 41.0#

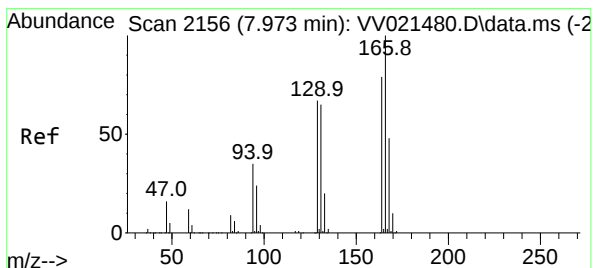
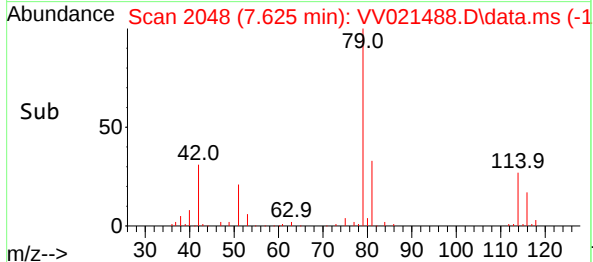
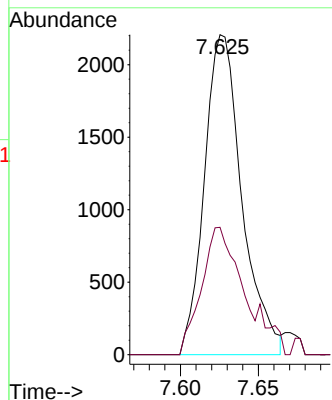
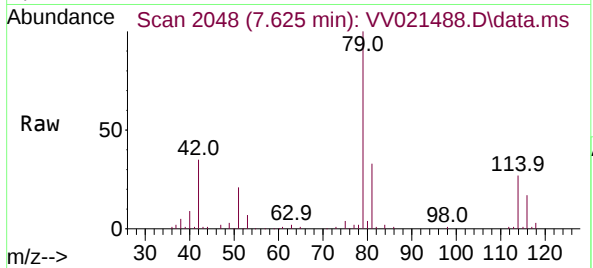




#44
trans-1,3-Dichloropropene
Concen: 0.705 ug/L
RT: 7.625 min Scan# 2048
Delta R.T. -0.022 min
Lab File: VV021488.D
Acq: 03 Jun 2021 15:34

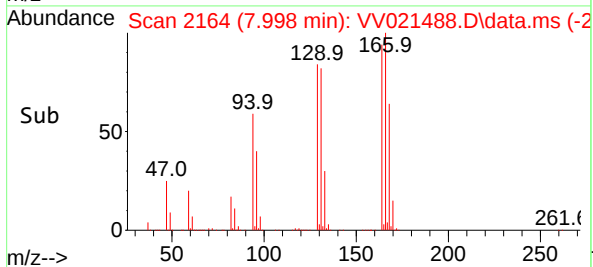
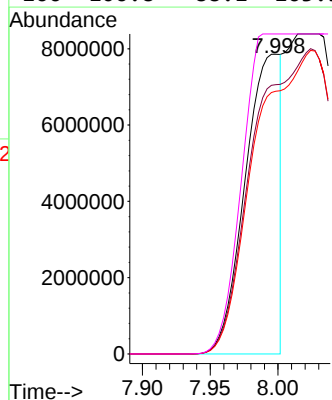
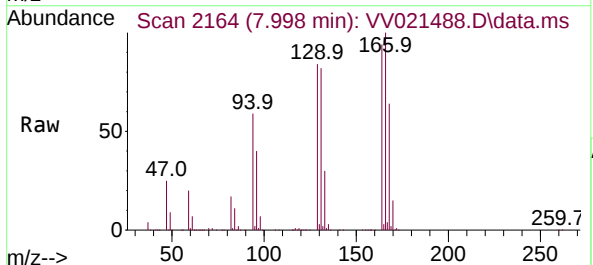
Instrument :
MSVOA_V
ClientSampled :

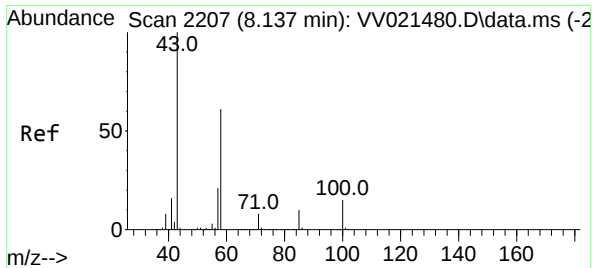
Tgt Ion: 75 Resp: 3702
Ion Ratio Lower Upper
75 100
77 39.8 22.9 42.5



#46
Tetrachloroethene
Concen: 4397.579 ug/L
RT: 7.998 min Scan# 2164
Delta R.T. 0.026 min
Lab File: VV021488.D
Acq: 03 Jun 2021 15:34

Tgt Ion: 164 Resp: 14220687
Ion Ratio Lower Upper
164 100
129 89.8 60.5 112.3
131 87.6 58.7 108.9
166 106.8 88.1 163.5

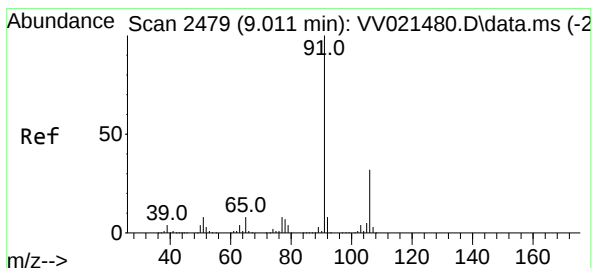
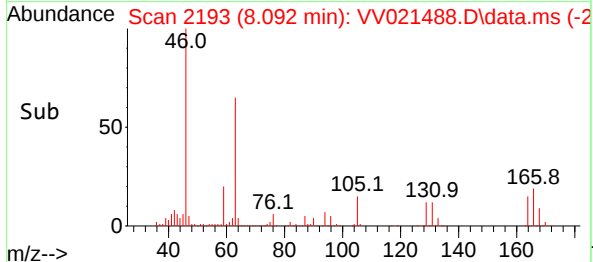
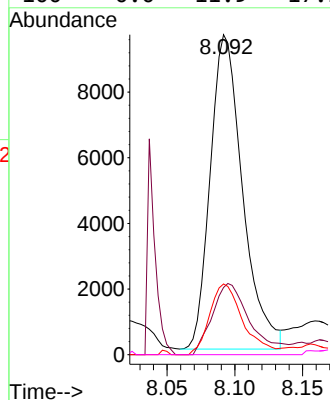
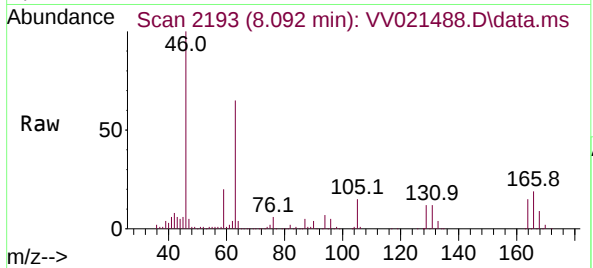




#48
2-Hexanone
Concen: 4.637 ug/L
RT: 8.092 min Scan# 2193
Delta R.T. -0.045 min
Lab File: VV021488.D
Acq: 03 Jun 2021 15:34

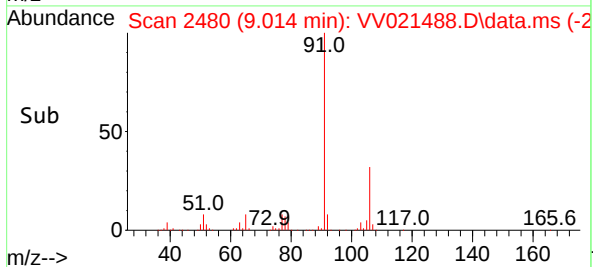
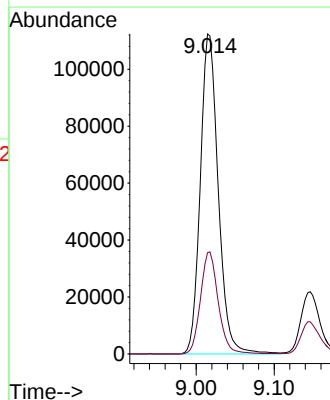
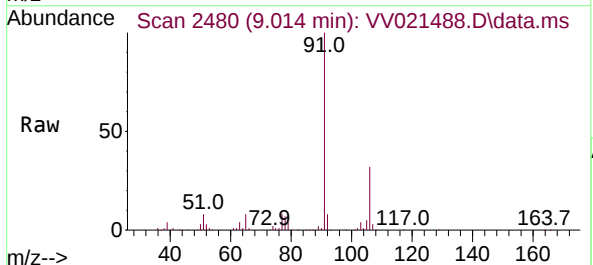
Instrument :
MSVOA_V
ClientSampled :

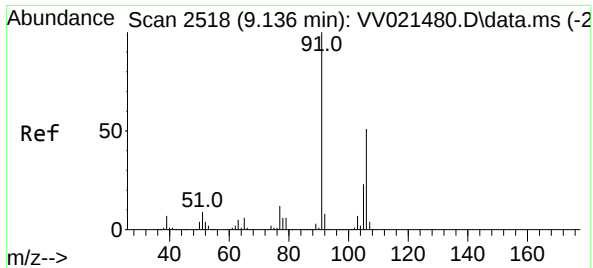
Tgt Ion: 43	Resp: 15910
Ion Ratio	Lower Upper
43 100	
58 26.6	47.1 70.7#
57 23.1	16.0 24.0
100 0.0	11.9 17.9#



#52
Ethylbenzene
Concen: 11.396 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV021488.D
Acq: 03 Jun 2021 15:34

Tgt Ion: 91	Resp: 179670
Ion Ratio	Lower Upper
91 100	
106 31.7	22.4 41.6





#53
 m,p-Xylene
 Concen: 3.172 ug/L
 RT: 9.143 min Scan# 2520
 Delta R.T. 0.007 min
 Lab File: VV021488.D
 Acq: 03 Jun 2021 15:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion:	106	Resp:	19214
Ion Ratio	Lower	Upper	
106	100		
91	189.5	139.4	258.8

