

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070221\
 Data File : VW021597.D
 Acq On : 02 Jul 2021 14:52
 Operator : SY/MD
 Sample : M2914-02DL 10X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBK23DL

Quant Time: Jul 03 00:08:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 03 00:01:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	487964	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	446504	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	228814	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.304	65	113001	36.602	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.200%
7) Chloroethane-d5	1.564	69	80323	31.832	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	63.660%#
11) 1,1-Dichloroethene-d2	2.105	63	166443	29.466	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.940%#
21) 2-Butanone-d5	3.883	46	272680	103.415	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.420%
24) Chloroform-d	4.352	84	269146	41.678	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.360%
26) 1,2-Dichloroethane-d4	5.034	65	170221	44.734	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.460%
32) Benzene-d6	5.050	84	553584	44.157	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.320%
36) 1,2-Dichloropropane-d6	6.072	67	178325	45.098	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.200%
41) Toluene-d8	7.317	98	515148	44.431	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.860%
43) trans-1,3-Dichloroprop...	7.622	79	85851	43.646	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.300%
47) 2-Hexanone-d5	8.088	63	210319	114.668	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.670%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	257897	48.409	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.820%
66) 1,2-Dichlorobenzene-d4	11.625	152	205411	45.029	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.060%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.310	62	3220	0.800	ug/L #	1
13) Acetone	2.172	43	334345	153.381	ug/L #	100
15) Methyl Acetate	2.326	43	5014	1.238	ug/L #	52
16) Methylene chloride	2.506	84	5664	1.497	ug/L	92
19) 1,1-Dichloroethane	3.191	63	16836	2.719	ug/L	96
20) cis-1,2-Dichloroethene	3.912	96	15393	4.072	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	5302	0.945	ug/L #	67
33) Benzene	5.104	78	52917	3.894	ug/L	100
34) Trichloroethene	5.918	95	10479	2.853	ug/L	97
35) Methylcyclohexane	6.072	83	43072	7.386	ug/L #	20
37) 1,2-Dichloropropane	6.178	63	3535	1.001	ug/L #	86
39) cis-1,3-Dichloropropene	6.989	75	5121	0.879	ug/L #	55
40) 4-Methyl-2-pentanone	7.226	43	232931	44.926	ug/L	99
42) Toluene	7.390	91	242414	16.655	ug/L	98
44) trans-1,3-Dichloropropene	7.625	75	3526	0.648	ug/L	92
46) Tetrachloroethene	7.979	164	2244	0.768	ug/L	94
48) 2-Hexanone	8.146	43	23661	5.774	ug/L	97
52) Ethylbenzene	9.014	91	73434	4.644	ug/L	100
53) m,p-Xylene	9.140	106	90946	14.987	ug/L	99

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Instrument :
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Quant Title : VOC Analysis
QLast Update : Sat Jul 03 00:01:46 2021
Response via : Initial Calibration

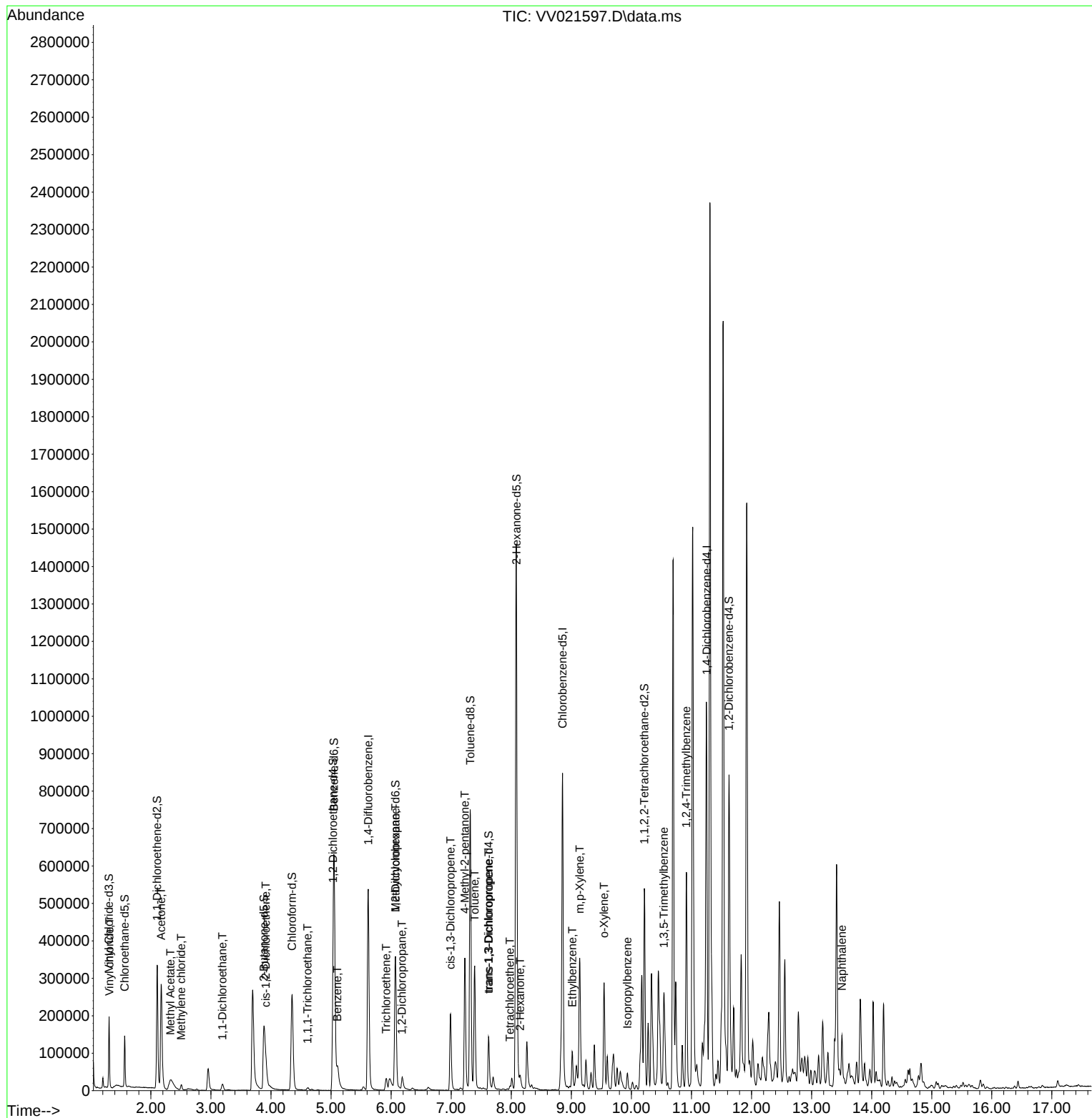
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.545	106	74029	12.228	ug/L	97
60) Isopropylbenzene	9.934	105	25680	1.645	ug/L	97
62) 1,3,5-Trimethylbenzene	10.541	105	124627	9.370	ug/L	100
63) 1,2,4-Trimethylbenzene	10.914	105	312263	23.198	ug/L	99
71) Naphthalene	13.506	128	92788	6.459	ug/L	98

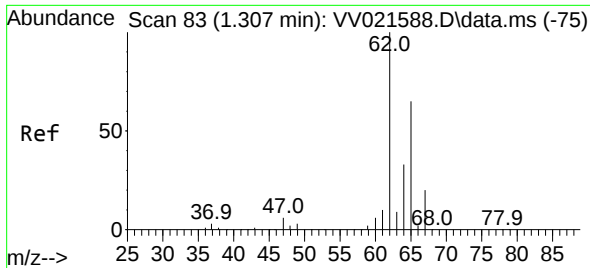
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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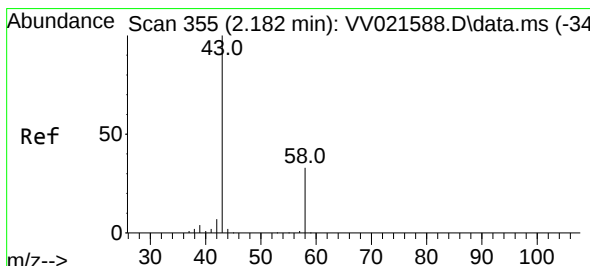
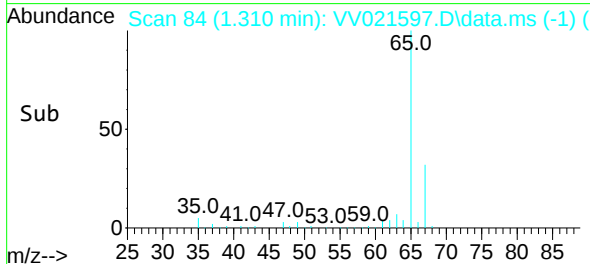
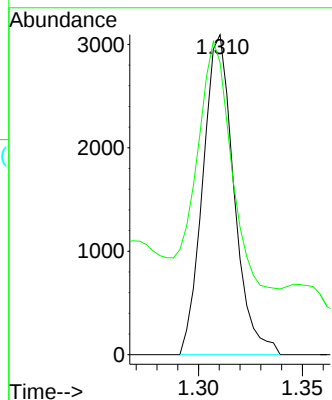
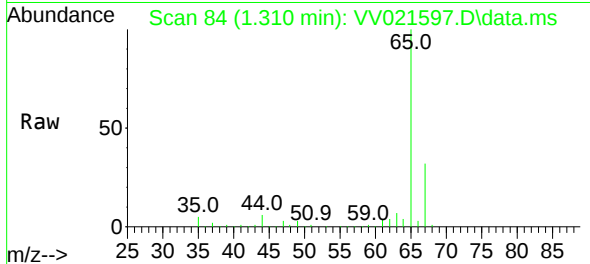




#5
 Vinyl chloride
 Concen: 0.800 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV021597.D
 Acq: 02 Jul 2021 14:52

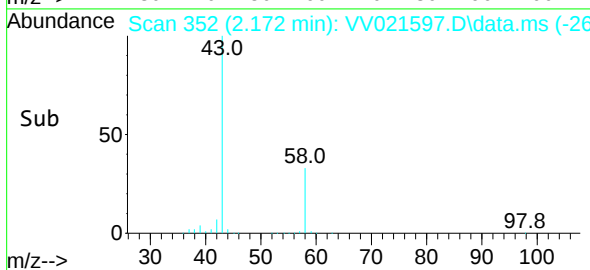
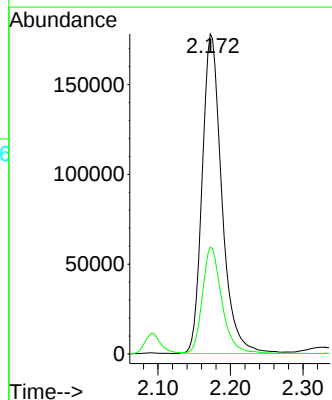
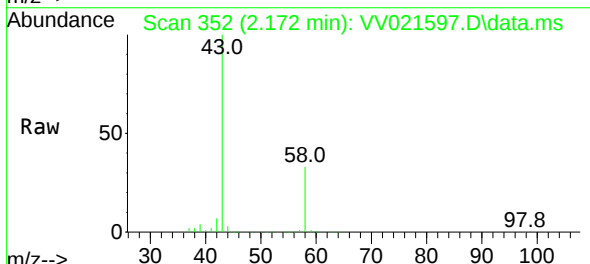
Instrument :
 MSVOA_V
 ClientSampleID :
 DBK23DL

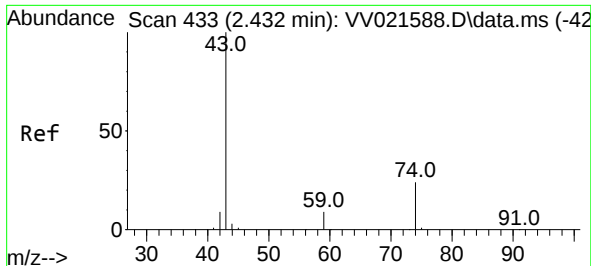
Tgt Ion: 62 Resp: 3220
 Ion Ratio Lower Upper
 62 100
 64 91.5 23.3 43.3#



#13
 Acetone
 Concen: 153.381 ug/L
 RT: 2.172 min Scan# 352
 Delta R.T. -0.010 min
 Lab File: VV021597.D
 Acq: 02 Jul 2021 14:52

Tgt Ion: 43 Resp: 334345
 Ion Ratio Lower Upper
 43 100
 58 33.2 0.0 0.0#

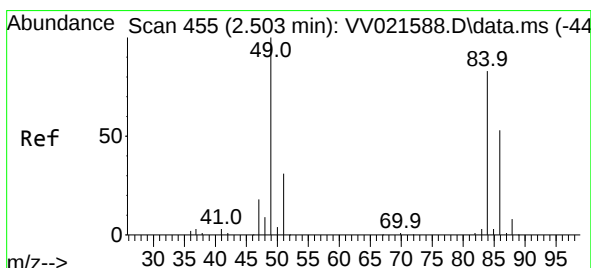
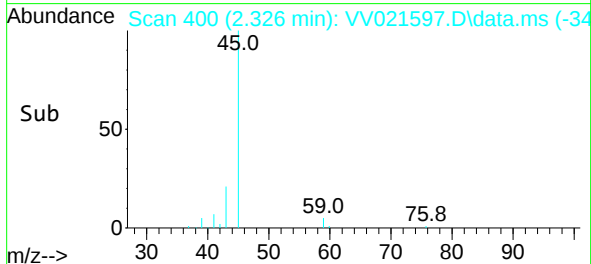
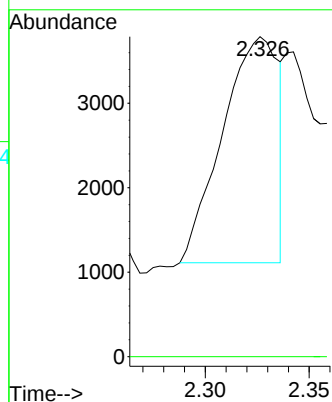
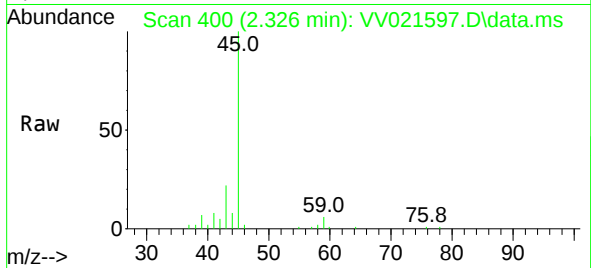




#15
Methyl Acetate
Concen: 1.238 ug/L
RT: 2.326 min Scan# 400
Delta R.T. -0.106 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

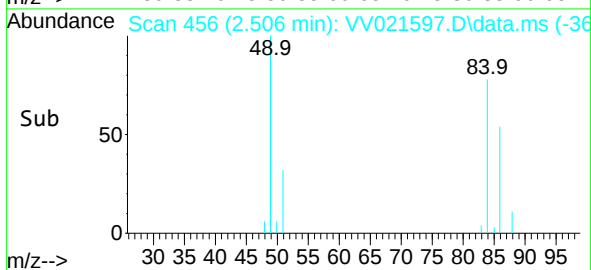
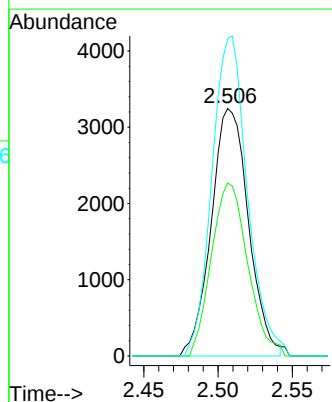
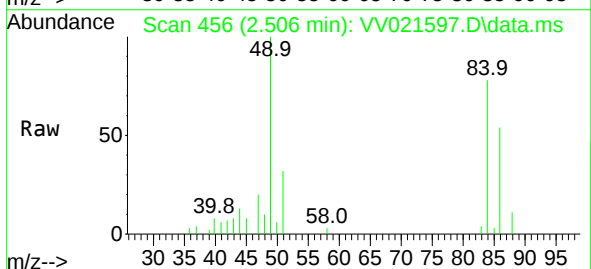
Instrument :
MSVOA_V
ClientSampleId :
DBK23DL

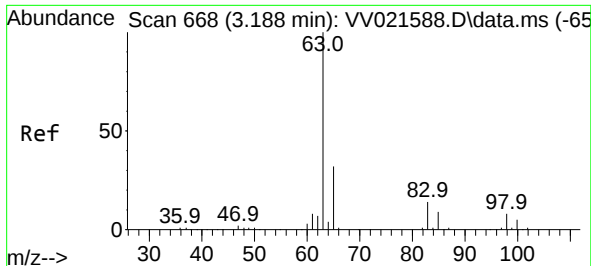
Tgt Ion: 43 Resp: 5014
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#16
Methylene chloride
Concen: 1.497 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

Tgt Ion: 84 Resp: 5664
Ion Ratio Lower Upper
84 100
86 69.9 45.1 83.9
49 128.2 82.5 153.3





#19

1,1-Dichloroethane

Concen: 2.719 ug/L

RT: 3.191 min Scan# 669

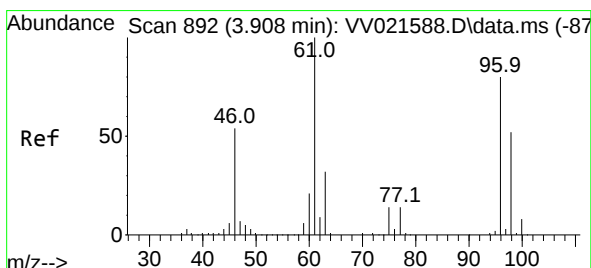
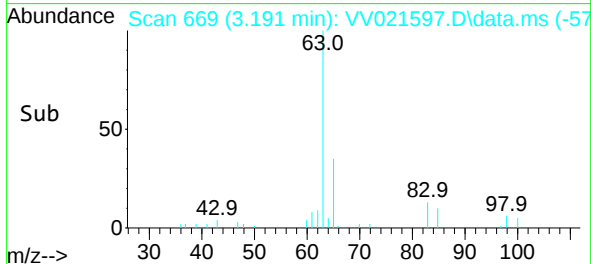
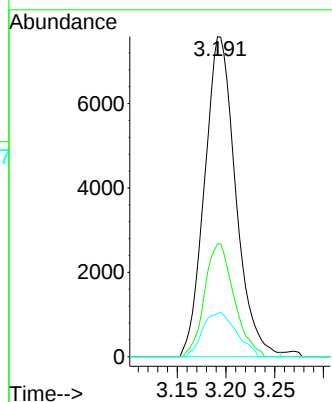
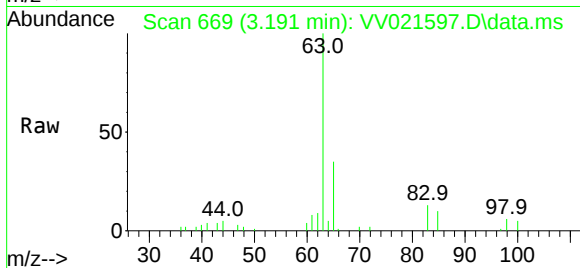
Delta R.T. 0.003 min

Lab File: VV021597.D

Acq: 02 Jul 2021 14:52

Tgt Ion:	63	Resp:	16836
Ion	Ratio	Lower	Upper
63	100		
65	35.3	22.4	41.6
83	13.4	9.4	17.6

Instrument :
MSVOA_V
ClientSampleId :
DBK23DL



#20

cis-1,2-Dichloroethene

Concen: 4.072 ug/L

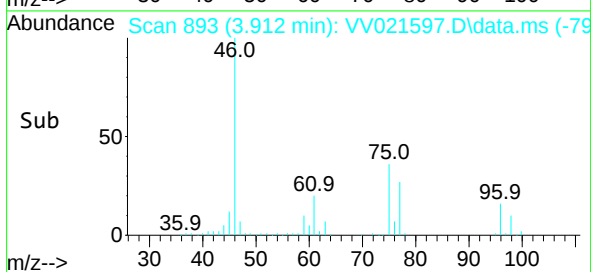
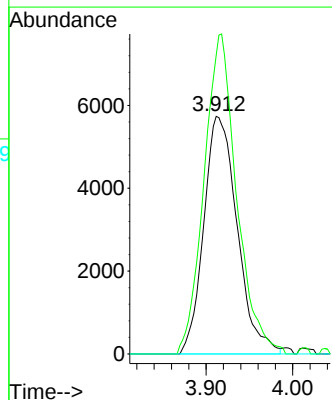
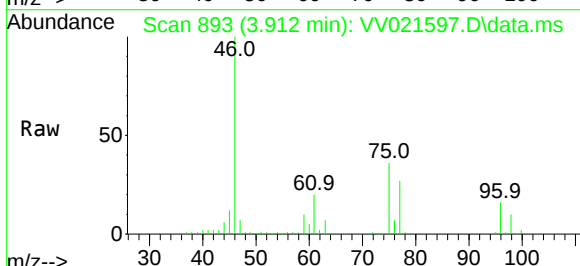
RT: 3.912 min Scan# 893

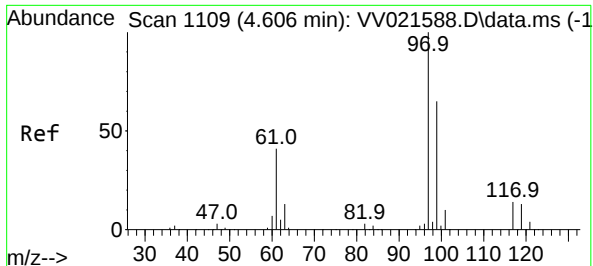
Delta R.T. 0.003 min

Lab File: VV021597.D

Acq: 02 Jul 2021 14:52

Tgt Ion:	96	Resp:	15393
Ion	Ratio	Lower	Upper
96	100		
61	125.7	86.9	161.3
68	0.0	0.0	0.0

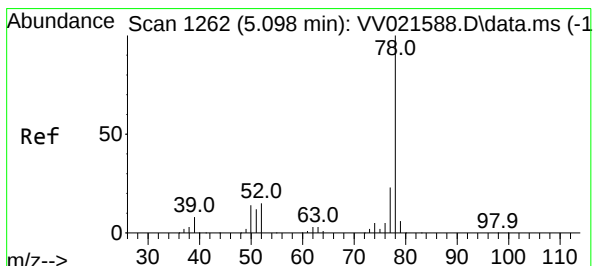
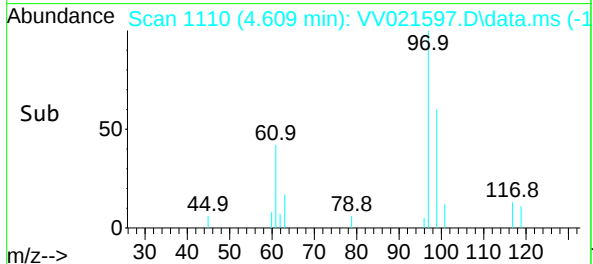
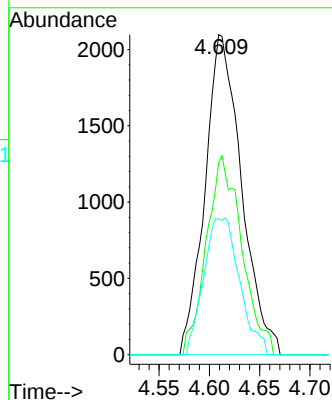
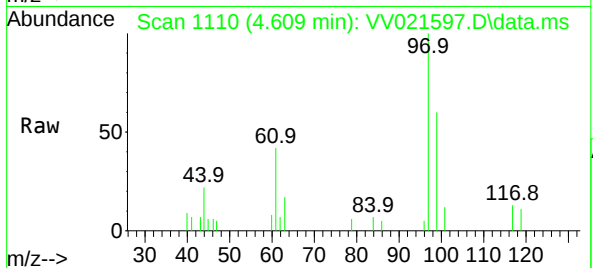




#30
1,1,1-Trichloroethane
Concen: 0.945 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. 0.003 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

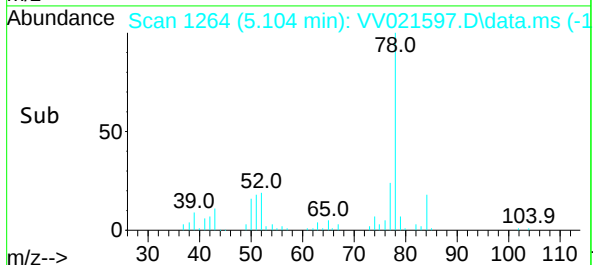
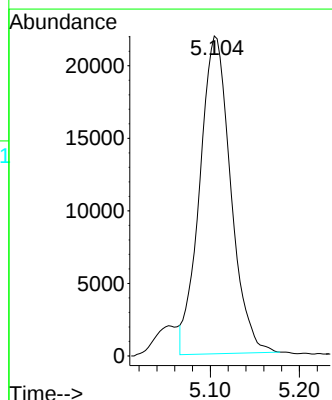
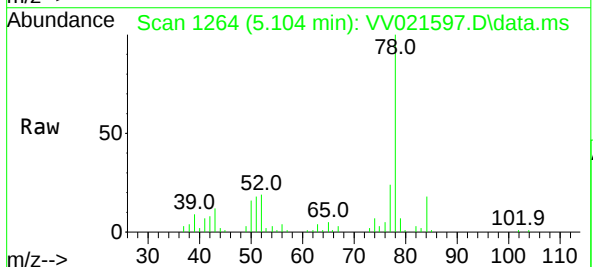
Instrument :
MSVOA_V
ClientSampled :
DBK23DL

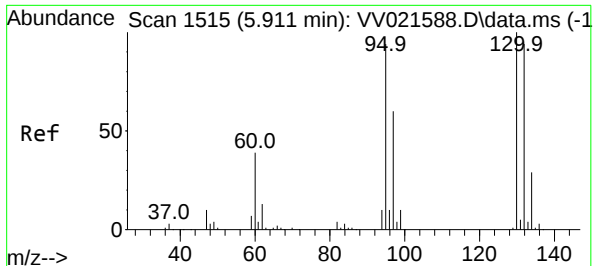
Tgt Ion: 97 Resp: 5302
Ion Ratio Lower Upper
97 100
99 37.1 52.1 78.1#
61 22.4 32.6 49.0#



#33
Benzene
Concen: 3.894 ug/L
RT: 5.104 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

Tgt Ion: 78 Resp: 52917



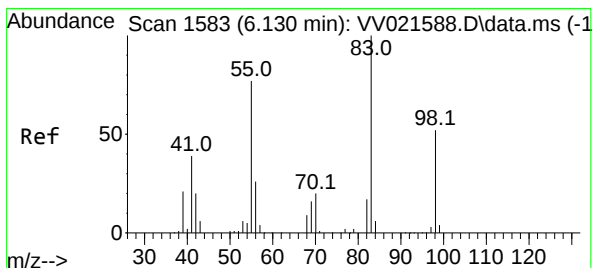
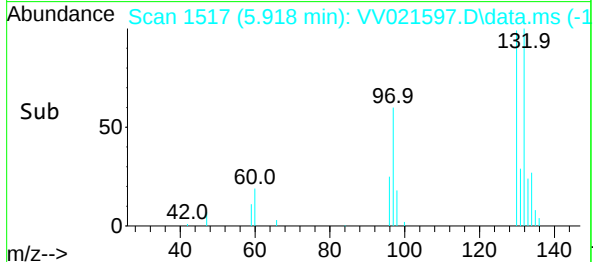
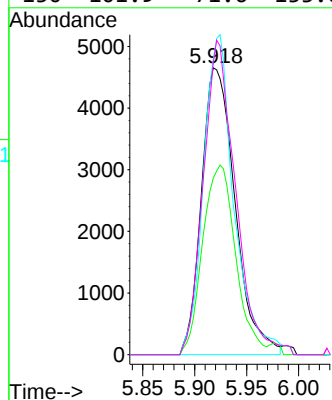
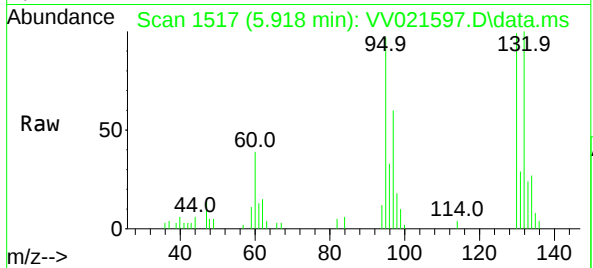


#34
Trichloroethene
Concen: 2.853 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

Instrument :
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ClientSampleId :
DBK23DL

Tgt Ion: 95 Resp: 10479

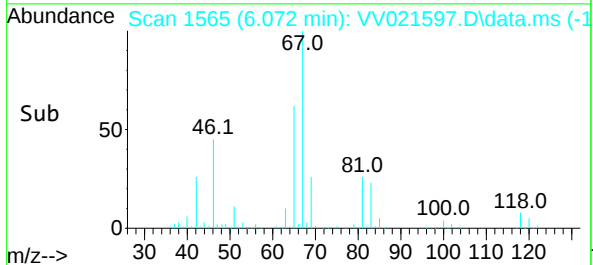
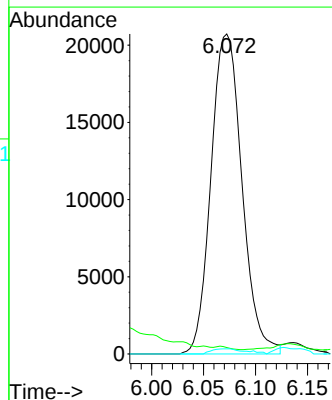
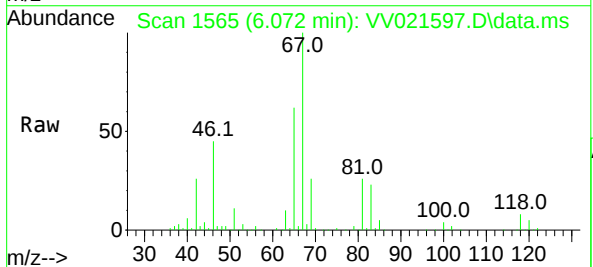
Ion	Ratio	Lower	Upper
95	100		
97	61.6	44.6	82.8
132	103.1	69.0	128.1
130	101.9	71.6	133.0

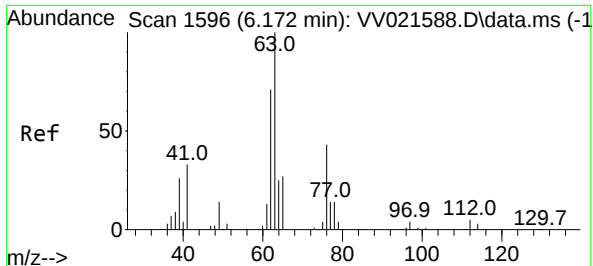


#35
Methylcyclohexane
Concen: 7.386 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

Tgt Ion: 83 Resp: 43072

Ion	Ratio	Lower	Upper
83	100		
55	0.4	58.7	88.1#
98	1.5	39.7	59.5#

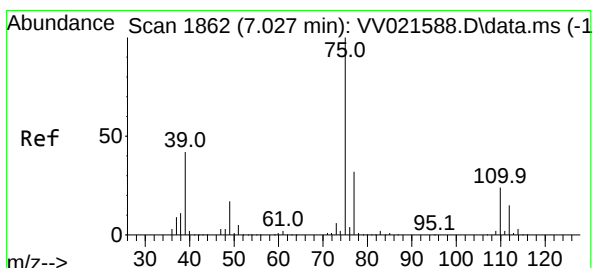
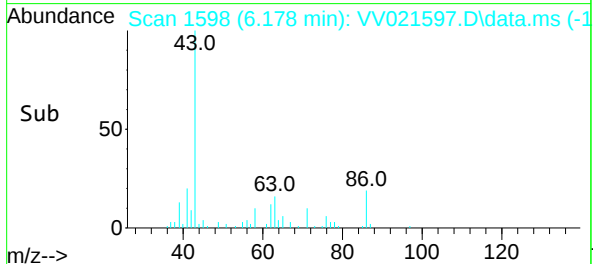
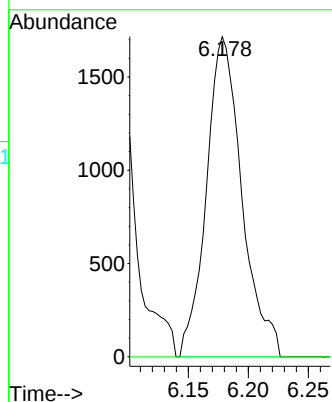
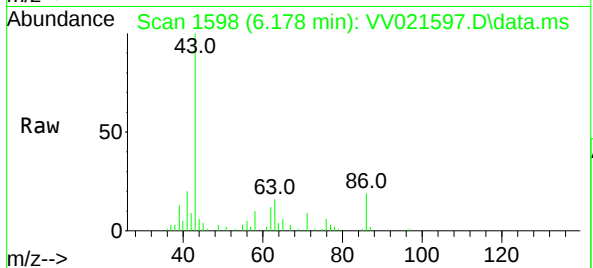




#37
1,2-Dichloropropane
Concen: 1.001 ug/L
RT: 6.178 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

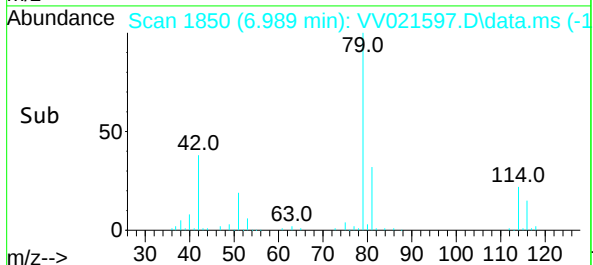
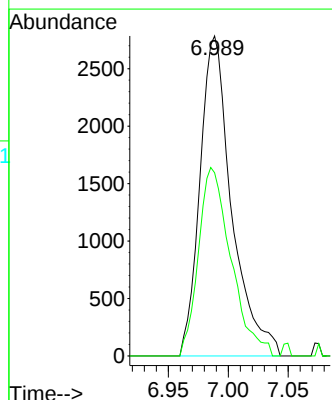
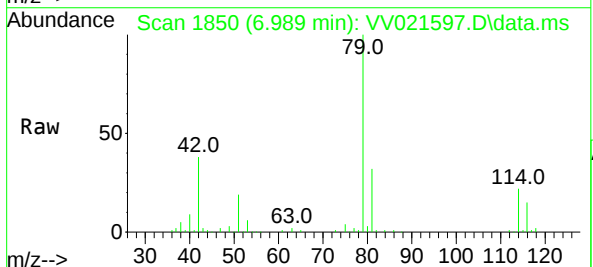
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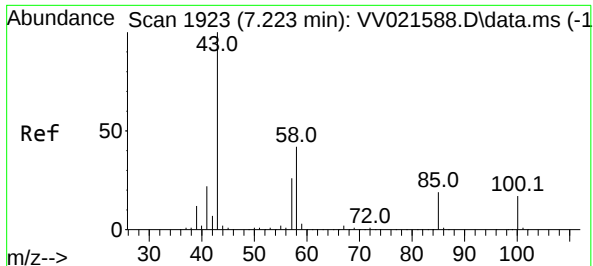
Tgt Ion: 63 Resp: 3535
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



#39
cis-1,3-Dichloropropene
Concen: 0.879 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.039 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

Tgt Ion: 75 Resp: 5121
Ion Ratio Lower Upper
75 100
77 57.2 22.5 41.7#

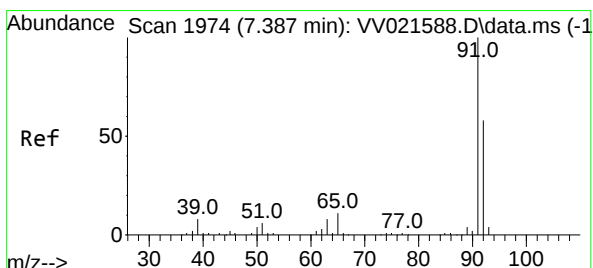
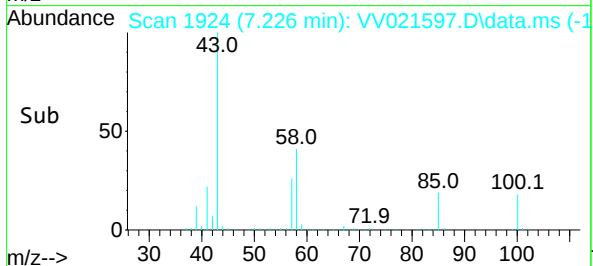
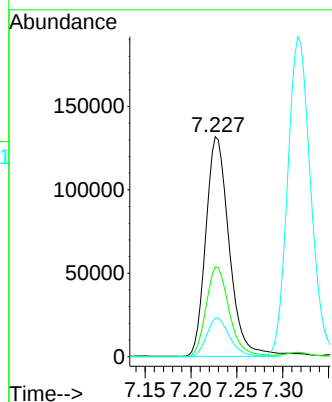
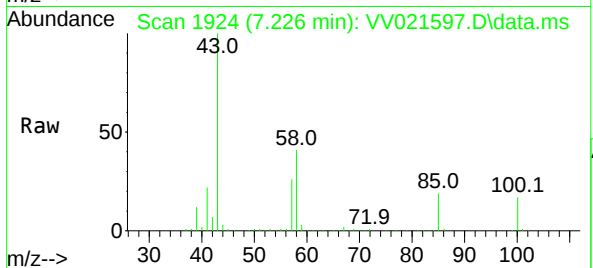




#40
4-Methyl-2-pentanone
Concen: 44.926 ug/L
RT: 7.226 min Scan# 1924
Delta R.T. 0.003 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

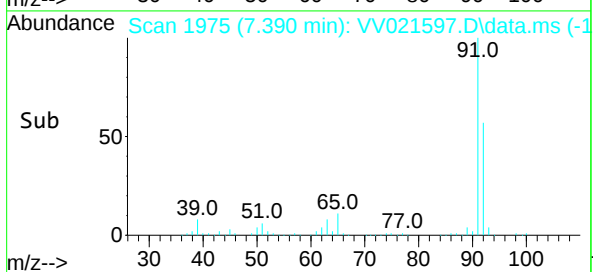
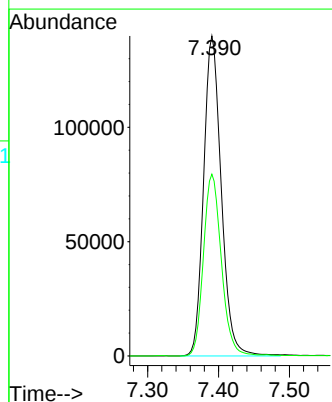
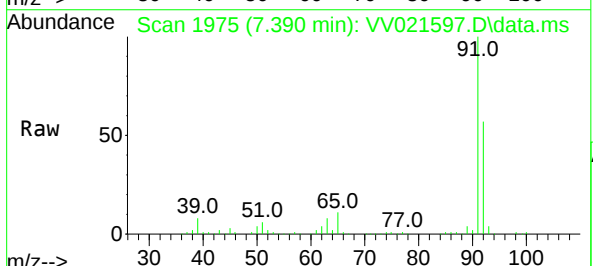
Instrument :
MSVOA_V
ClientSampled :
DBK23DL

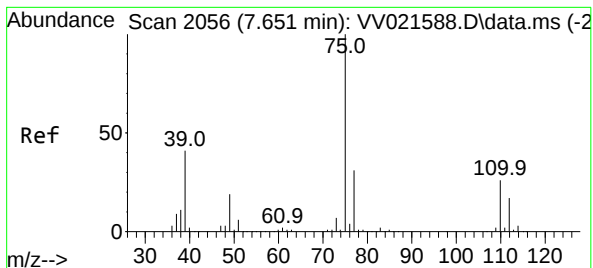
Tgt Ion: 43 Resp: 232931
Ion Ratio Lower Upper
43 100
58 40.6 32.8 49.2
100 17.3 13.5 20.3



#42
Toluene
Concen: 16.655 ug/L
RT: 7.390 min Scan# 1975
Delta R.T. 0.003 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

Tgt Ion: 91 Resp: 242414
Ion Ratio Lower Upper
91 100
92 56.8 40.6 75.4



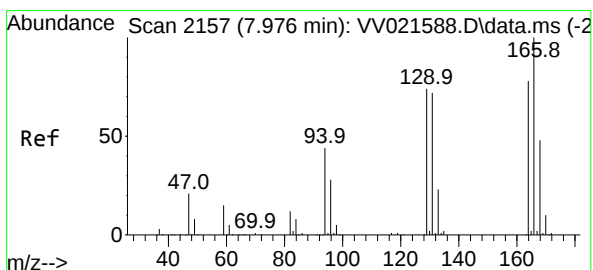
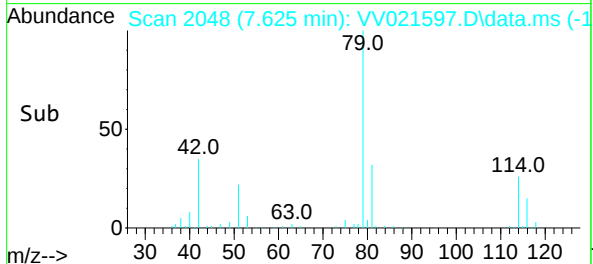
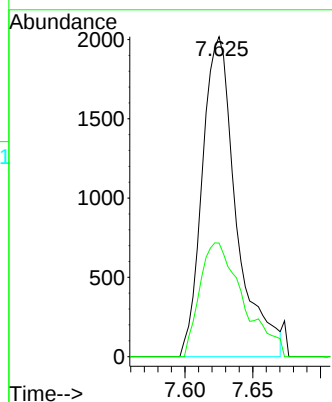
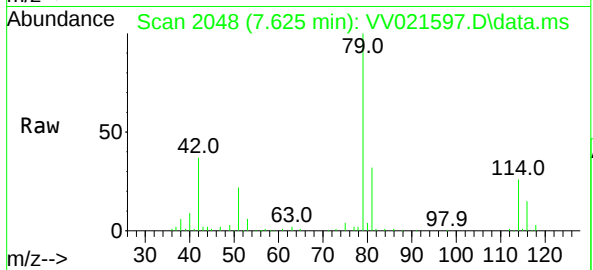


#44

trans-1,3-Dichloropropene
Concen: 0.648 ug/L
RT: 7.625 min Scan# 2048
Delta R.T. -0.026 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

Instrument :
MSVOA_V
ClientSampleId :
DBK23DL

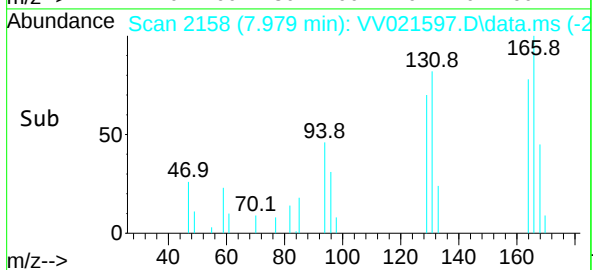
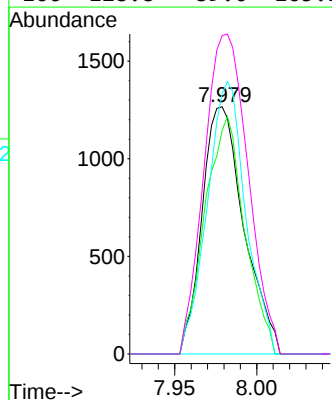
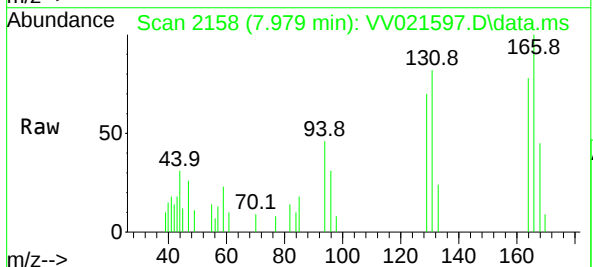
Tgt Ion: 75 Resp: 3526
Ion Ratio Lower Upper
75 100
77 35.5 21.8 40.4

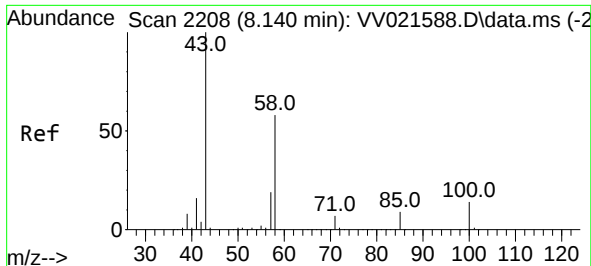


#46

Tetrachloroethene
Concen: 0.768 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

Tgt Ion: 164 Resp: 2244
Ion Ratio Lower Upper
164 100
129 90.3 65.9 122.3
131 105.4 64.0 119.0
166 128.8 89.0 165.2

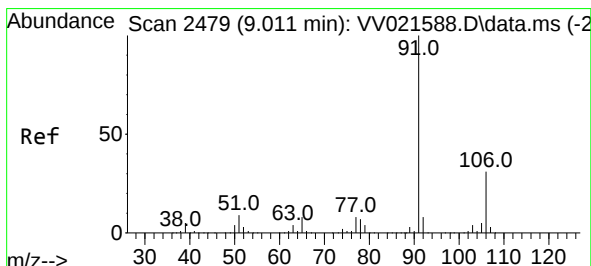
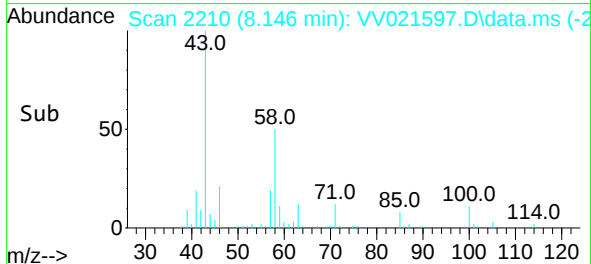
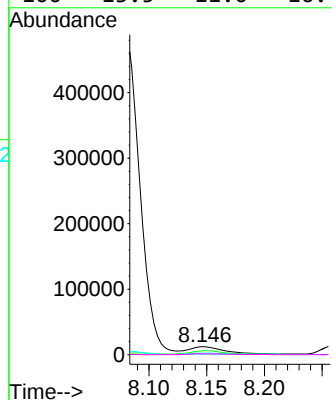
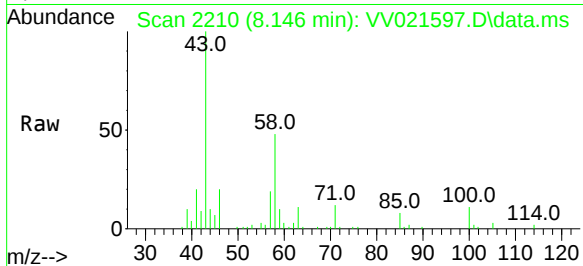




#48
2-Hexanone
Concen: 5.774 ug/L
RT: 8.146 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

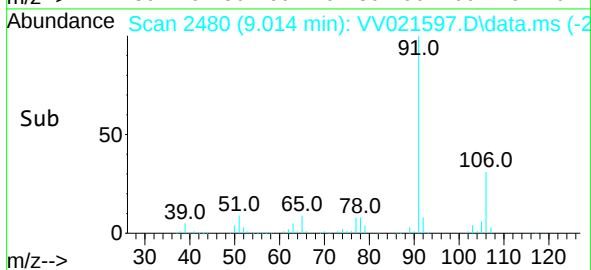
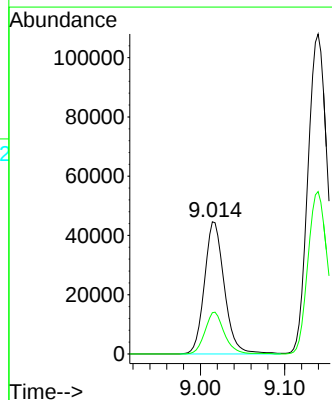
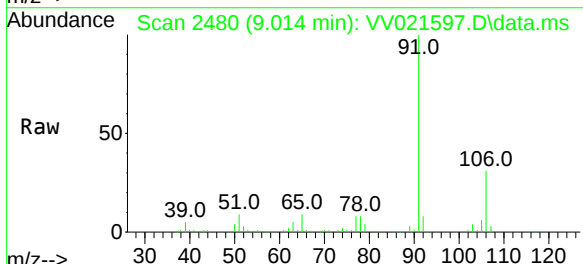
Instrument :
MSVOA_V
ClientSampleId :
DBK23DL

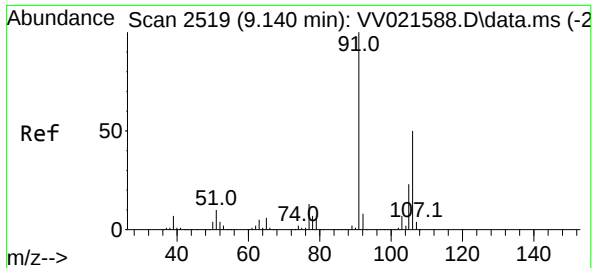
Tgt Ion:	43	Resp:	23661
Ion	Ratio	Lower	Upper
43	100		
58	56.0	46.7	70.1
57	20.7	15.5	23.3
100	13.5	11.0	16.4



#52
Ethylbenzene
Concen: 4.644 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

Tgt Ion:	91	Resp:	73434
Ion	Ratio	Lower	Upper
91	100		
106	31.3	21.8	40.6

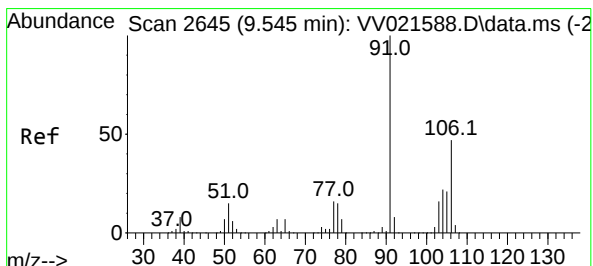
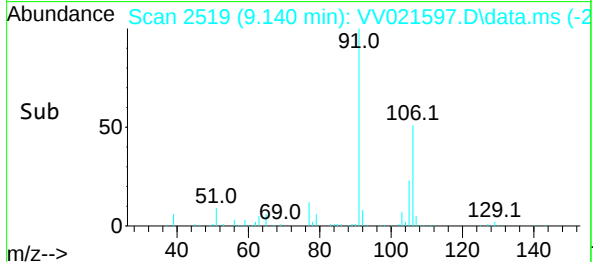
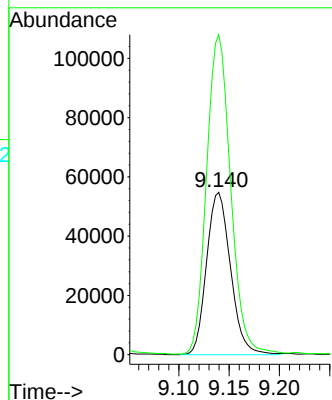
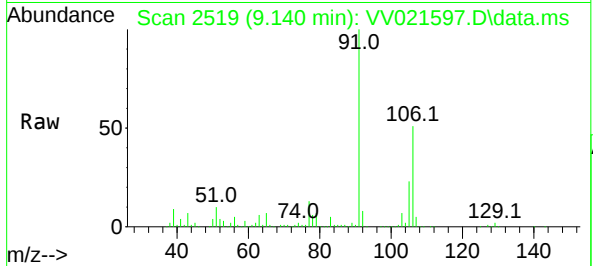




#53
m,p-Xylene
Concen: 14.987 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.000 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

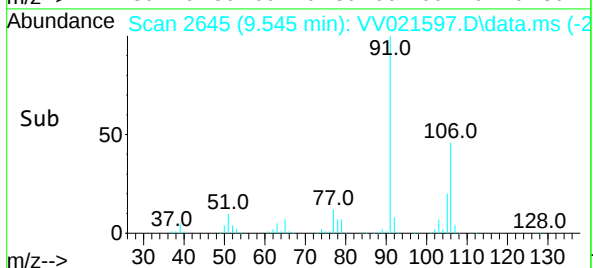
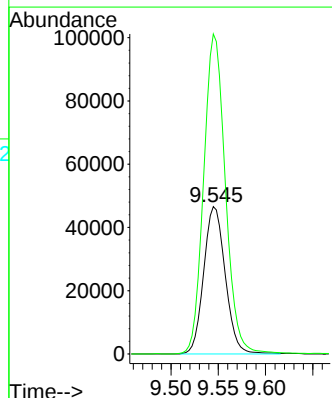
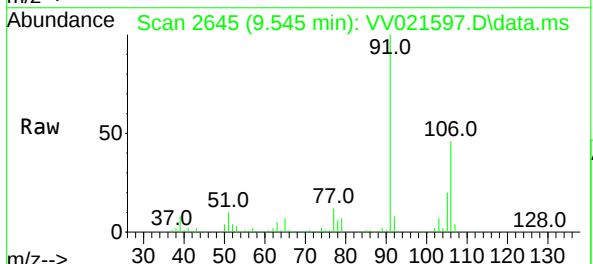
Instrument :
MSVOA_V
ClientSampled :
DBK23DL

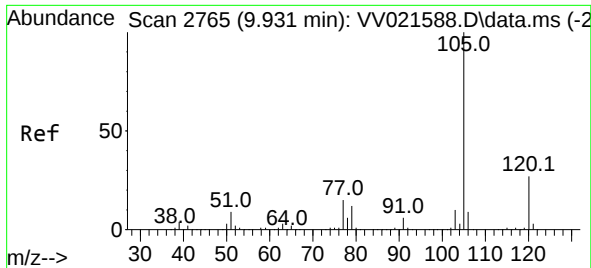
Tgt Ion:106 Resp: 90946
Ion Ratio Lower Upper
106 100
91 197.1 138.7 257.5



#54
o-Xylene
Concen: 12.228 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.000 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

Tgt Ion:106 Resp: 74029
Ion Ratio Lower Upper
106 100
91 217.2 149.0 276.8

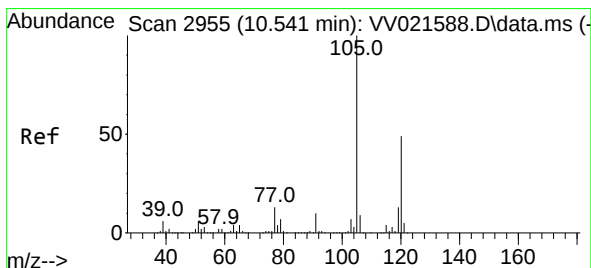
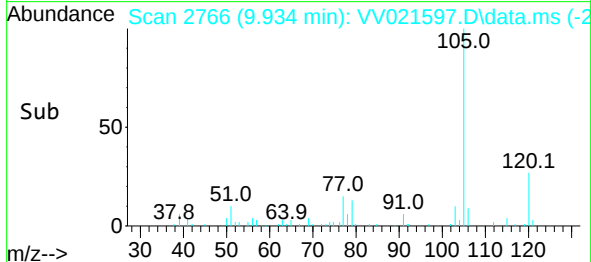
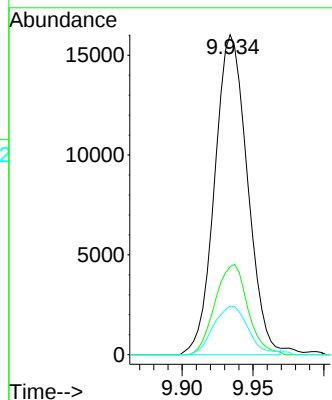
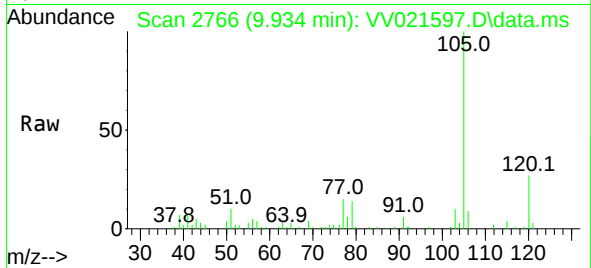




#60
Isopropylbenzene
Concen: 1.645 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

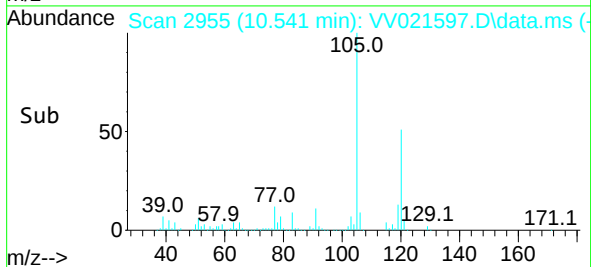
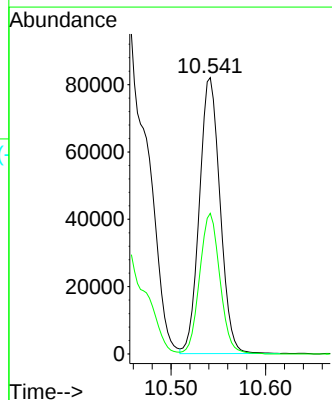
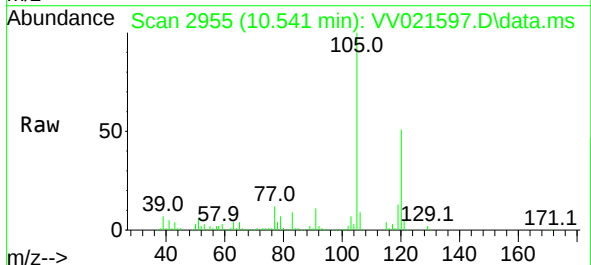
Instrument :
MSVOA_V
ClientSampled :
DBK23DL

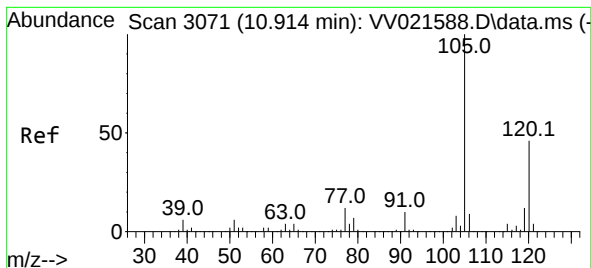
Tgt Ion:105	Resp:	25680
Ion Ratio	Lower	Upper
105	100	
120	28.2	21.5 32.3
77	16.3	12.0 18.0



#62
1,3,5-Trimethylbenzene
Concen: 9.370 ug/L
RT: 10.541 min Scan# 2955
Delta R.T. 0.000 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

Tgt Ion:105	Resp:	124627
Ion Ratio	Lower	Upper
105	100	
120	50.1	40.0 60.0

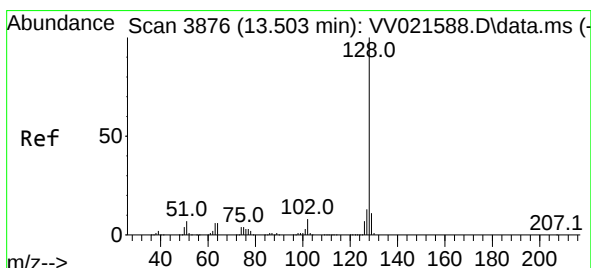
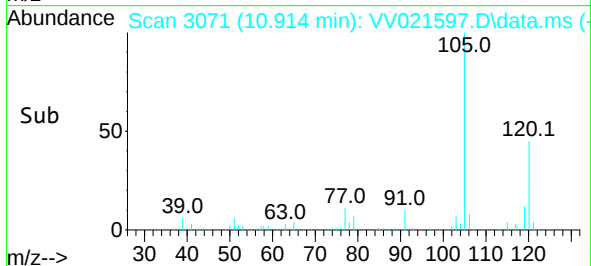
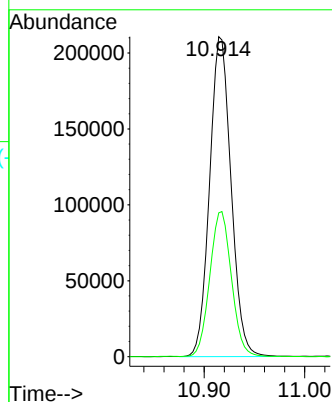
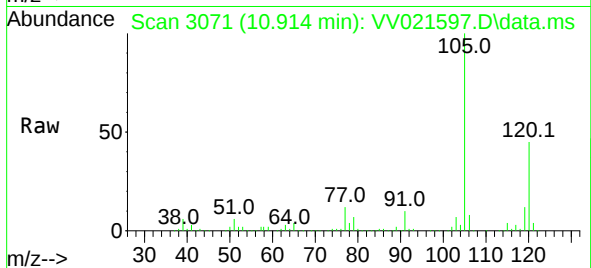




#63
1,2,4-Trimethylbenzene
Concen: 23.198 ug/L
RT: 10.914 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

Instrument :
MSVOA_V
ClientSampleId :
DBK23DL

Tgt Ion:105 Resp: 312263
Ion Ratio Lower Upper
105 100
120 45.8 37.1 55.7



#71
Naphthalene
Concen: 6.459 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV021597.D
Acq: 02 Jul 2021 14:52

Tgt Ion:128 Resp: 92788
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.9 8.6 13.0

