

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031121\
 Data File : VV020511.D
 Acq On : 10 Mar 2021 21:26
 Operator : SY/MD
 Sample : M1632-08
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0B55

Quant Time: Mar 11 00:54:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM030521WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 11 00:50:19 2021
 Response via : Initial Calibration

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

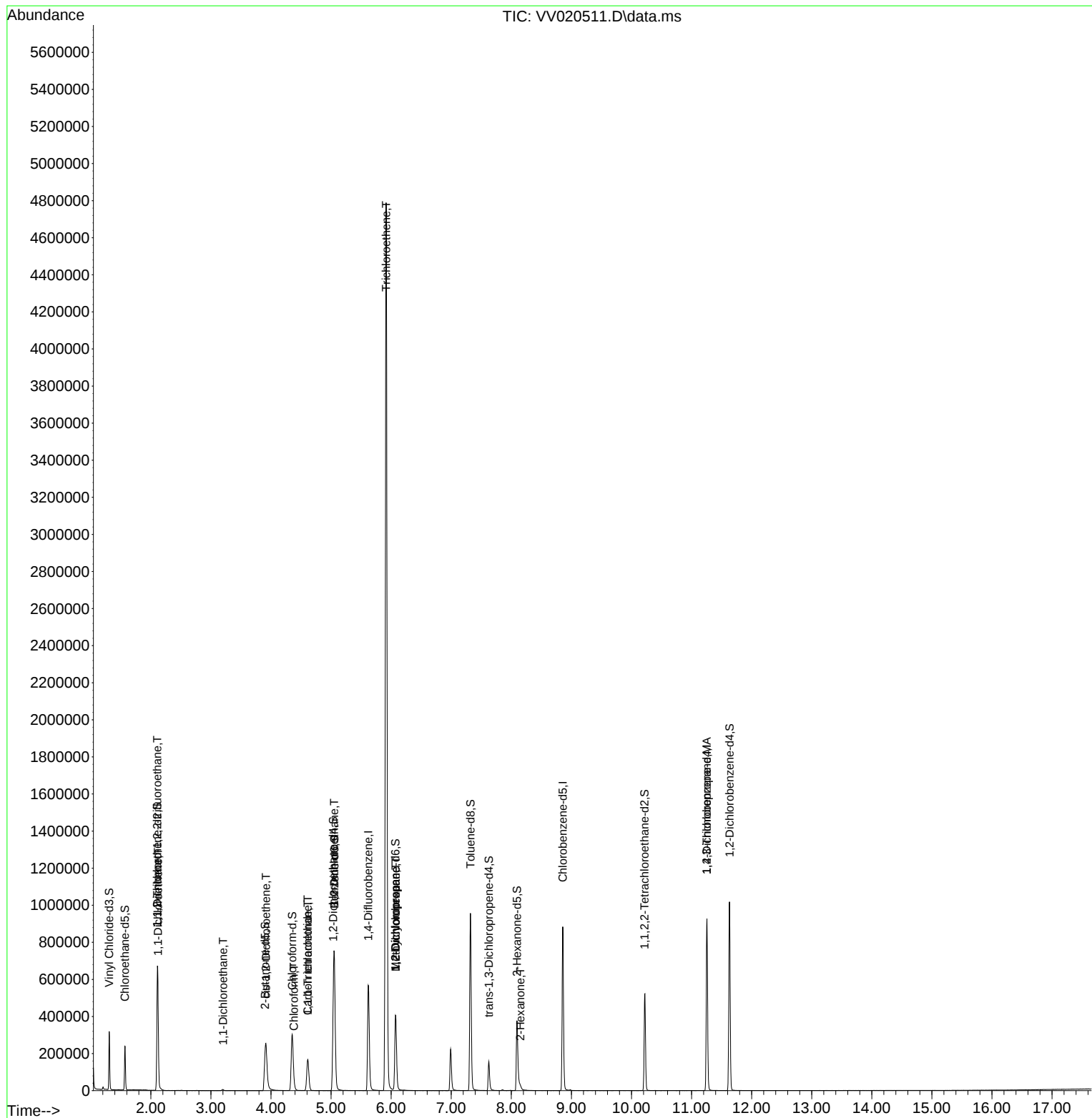
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	525226	50.00	ug/L	# 0.00
28) Chlorobenzene-d5	8.857	117	522598	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.255	152	259096	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	196818	51.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.26%
7) Chloroethane-d5	1.568	69	153573	51.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.02%
11) 1,1-Dichloroethene-d2	2.108	63	293755	45.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.56%
21) 2-Butanone-d5	3.899	46	195057	100.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.05%
24) Chloroform-d	4.352	84	324190	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.037	65	207977	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
32) Benzene-d6	5.053	84	691330	52.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.88%
36) 1,2-Dichloropropane-d6	6.072	67	202780	50.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.78%
41) Toluene-d8	7.320	98	652029	51.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.28%
43) trans-1,3-Dichloroprop...	7.625	79	92574	48.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.60%
47) 2-Hexanone-d5	8.095	63	132339	92.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.86%
57) 1,1,2,2-Tetrachloroeth...	10.220	84	244667	46.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.68%
64) 1,2-Dichlorobenzene-d4	11.632	152	288859	56.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.88%
Target Compounds						
						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	2918	0.85	ug/L	# 29
12) 1,1-Dichloroethene	2.121	96	95165	28.07	ug/L	80
19) 1,1-Dichloroethane	3.201	63	6609	1.12	ug/L	96
20) cis-1,2-Dichloroethene	3.915	96	109332	29.54	ug/L	77
25) Chloroform	4.381	83	13735	2.09	ug/L	90
27) 1,2-Dichloroethane	5.050	62	3465	0.72	ug/L	99
30) 1,1,1-Trichloroethane	4.613	97	142597	25.07	ug/L	94
31) Carbon tetrachloride	4.613	117	19286	3.82	ug/L	99
34) Trichloroethene	5.915	95	1629355	399.15	ug/L	87
35) Methylcyclohexane	6.076	83	52649	9.96	ug/L	# 18
37) 1,2-Dichloropropane	6.076	63	21795	6.40	ug/L	# 88
48) 2-Hexanone	8.149	43	13553	4.40	ug/L	# 57
59) 1,2,3-Trichloropropane	11.255	75	24376	5.31	ug/L	90

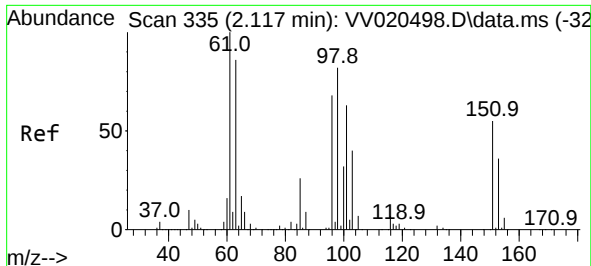
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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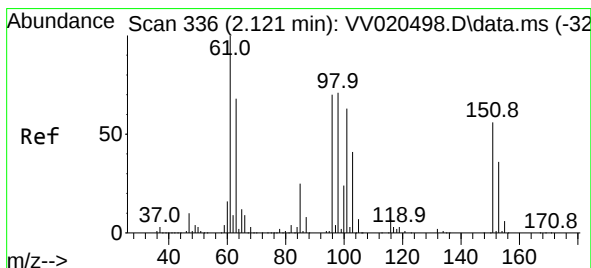
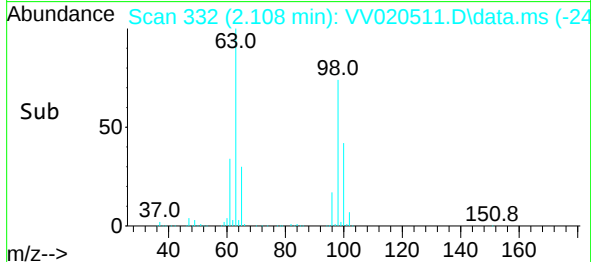
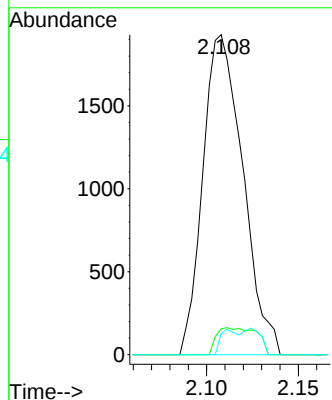
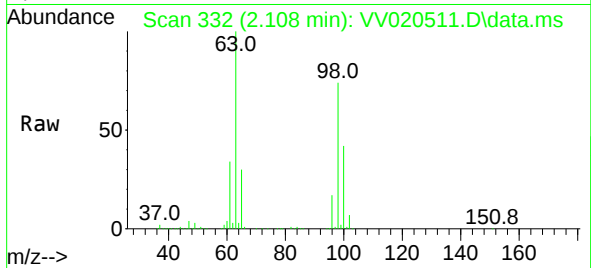




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.85 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.010 min
Lab File: VV020511.D
Acq: 10 Mar 2021 21:26

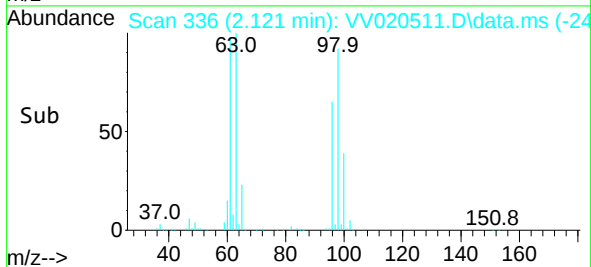
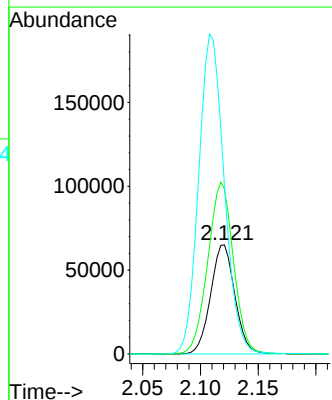
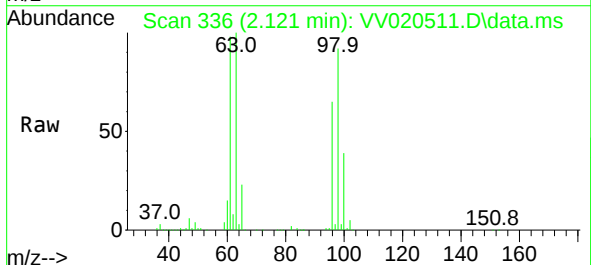
Instrument :
MSVOA_V
ClientSampleId :
C0B55

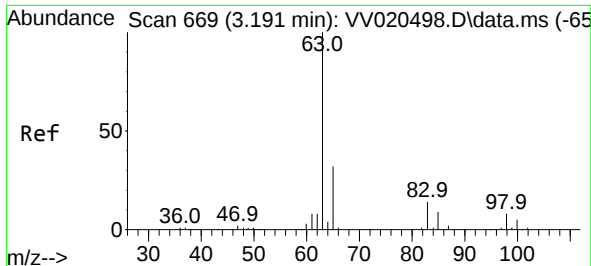
Tgt Ion:101 Resp: 2918
Ion Ratio Lower Upper
101 100
85 5.8 35.3 52.9#
151 3.5 53.6 80.4#



#12
1,1-Dichloroethene
Concen: 28.07 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.000 min
Lab File: VV020511.D
Acq: 10 Mar 2021 21:26

Tgt Ion: 96 Resp: 95165
Ion Ratio Lower Upper
96 100
61 151.1 134.9 250.5
63 153.8 117.6 218.4





#19

1,1-Dichloroethane

Concen: 1.12 ug/L

RT: 3.201 min Scan# 672

Delta R.T. 0.010 min

Lab File: VV020511.D

Acq: 10 Mar 2021 21:26

Tgt Ion: 63 Resp: 6609

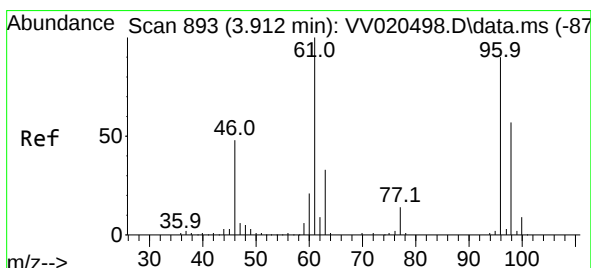
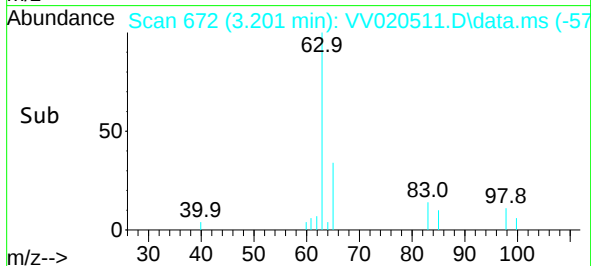
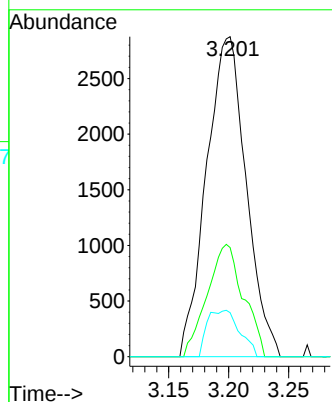
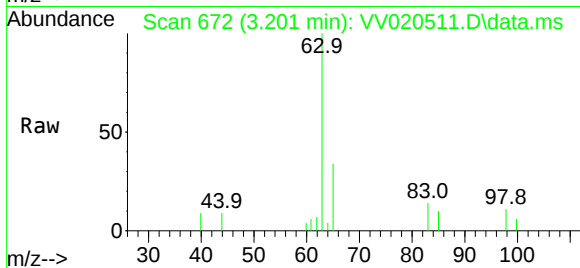
Ion	Ratio	Lower	Upper
63	100		
65	34.1	21.9	40.7
83	13.8	9.5	17.7

Instrument :

MSVOA_V

ClientSampleId :

C0B55



#20

cis-1,2-Dichloroethene

Concen: 29.54 ug/L

RT: 3.915 min Scan# 894

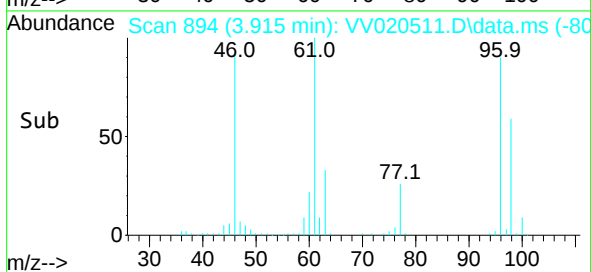
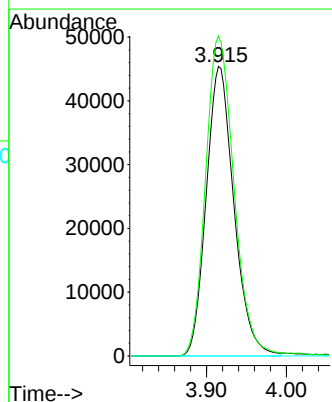
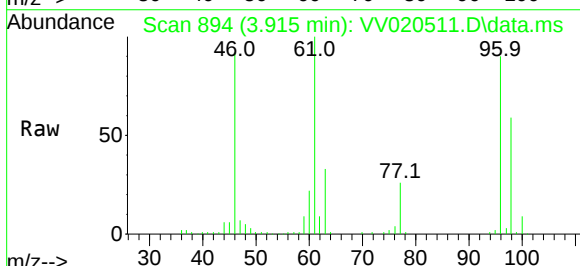
Delta R.T. 0.003 min

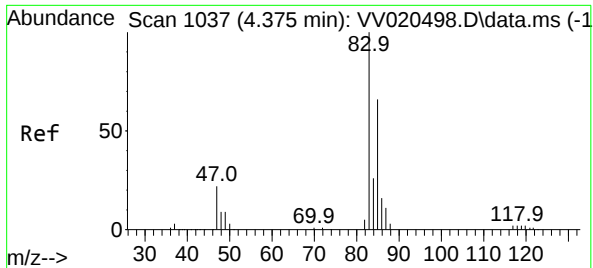
Lab File: VV020511.D

Acq: 10 Mar 2021 21:26

Tgt Ion: 96 Resp: 109332

Ion	Ratio	Lower	Upper
96	100		
61	110.5	96.9	179.9
68	0.0	0.0	0.0



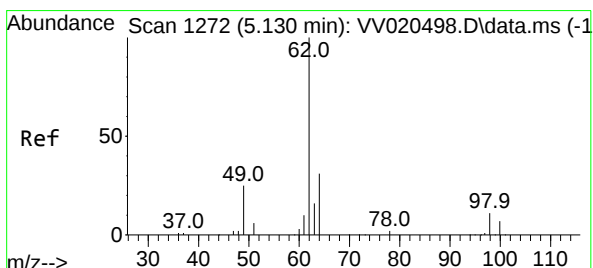
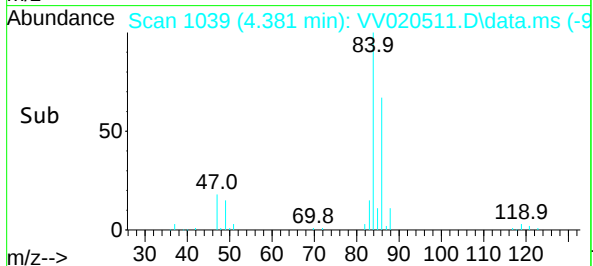
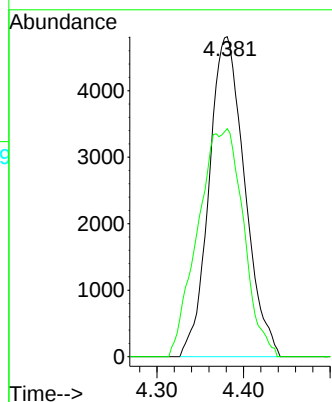
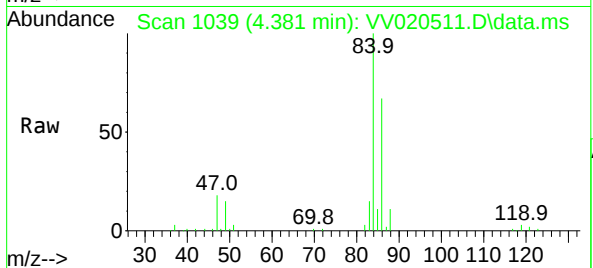


#25

Chloroform
Concen: 2.09 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.007 min
Lab File: VV020511.D
Acq: 10 Mar 2021 21:26

Instrument :
MSVOA_V
ClientSampleId :
C0B55

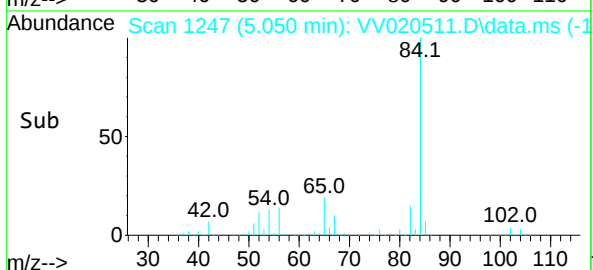
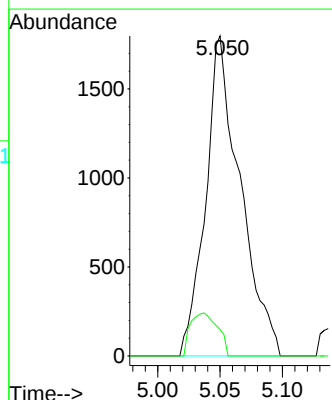
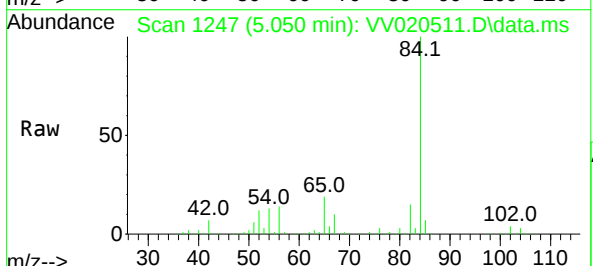
Tgt Ion: 83 Resp: 13735
Ion Ratio Lower Upper
83 100
85 71.2 44.2 82.2

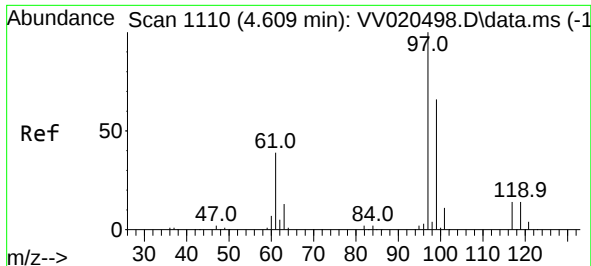


#27

1,2-Dichloroethane
Concen: 0.72 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. -0.080 min
Lab File: VV020511.D
Acq: 10 Mar 2021 21:26

Tgt Ion: 62 Resp: 3465
Ion Ratio Lower Upper
62 100
98 8.3 6.9 10.3





#30

1,1,1-Trichloroethane

Concen: 25.07 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.003 min

Lab File: VV020511.D

Acq: 10 Mar 2021 21:26

Tgt Ion: 97 Resp: 142597

Ion Ratio Lower Upper

97 100

99 64.4 51.2 76.8

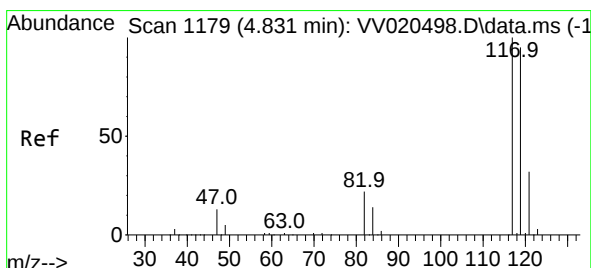
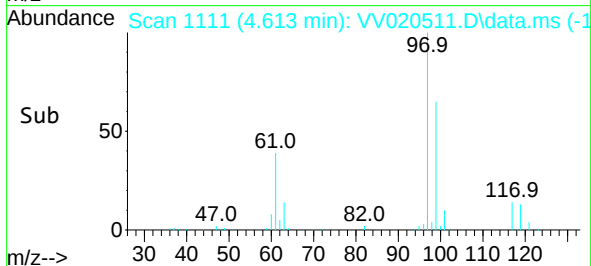
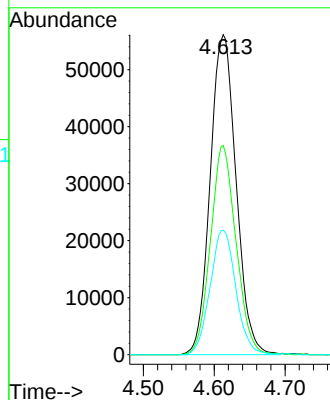
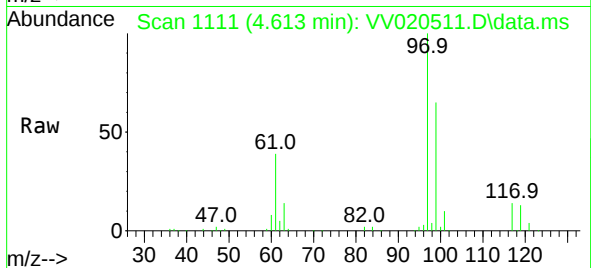
61 38.7 38.5 57.7

Instrument :

MSVOA_V

ClientSampleId :

C0B55



#31

Carbon tetrachloride

Concen: 3.82 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. -0.218 min

Lab File: VV020511.D

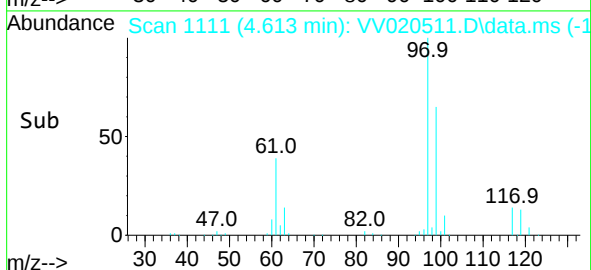
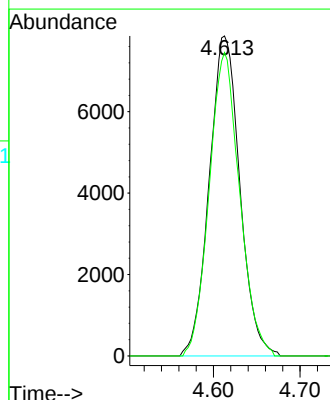
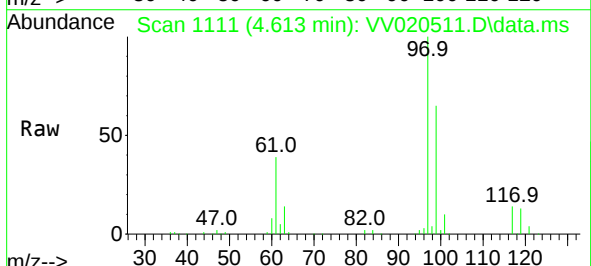
Acq: 10 Mar 2021 21:26

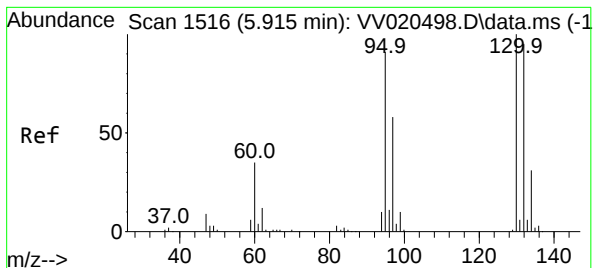
Tgt Ion: 117 Resp: 19286

Ion Ratio Lower Upper

117 100

119 94.3 76.3 114.5





#34

Trichloroethene

Concen: 399.15 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VV020511.D

Acq: 10 Mar 2021 21:26

Tgt Ion: 95 Resp: 1629355

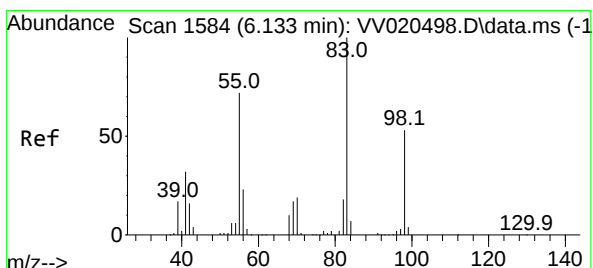
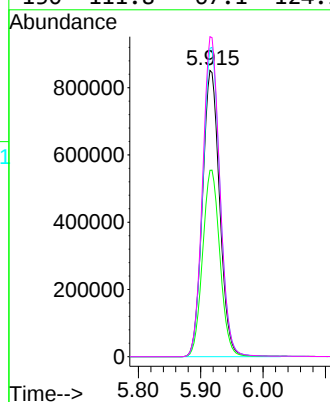
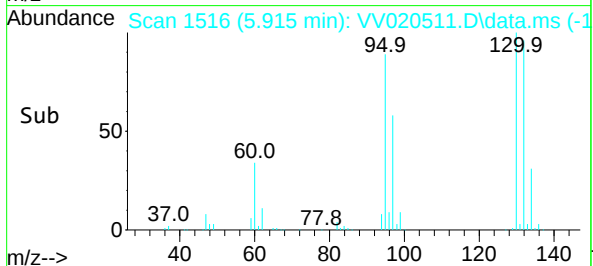
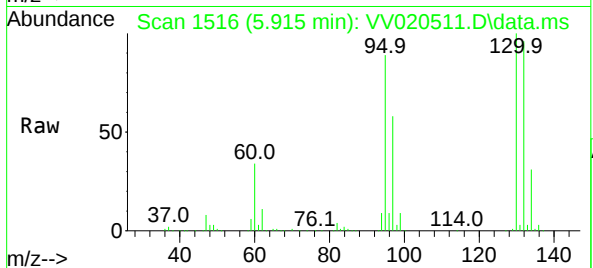
Ion Ratio Lower Upper

95 100

97 65.1 44.5 82.7

132 107.8 63.4 117.8

130 111.8 67.1 124.5



#35

Methylcyclohexane

Concen: 9.96 ug/L

RT: 6.076 min Scan# 1566

Delta R.T. -0.058 min

Lab File: VV020511.D

Acq: 10 Mar 2021 21:26

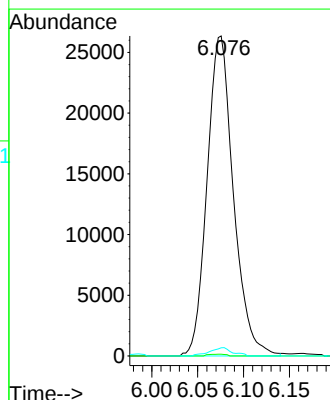
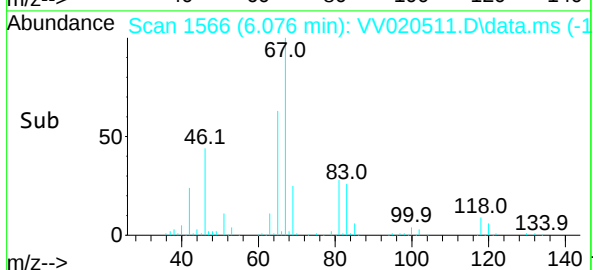
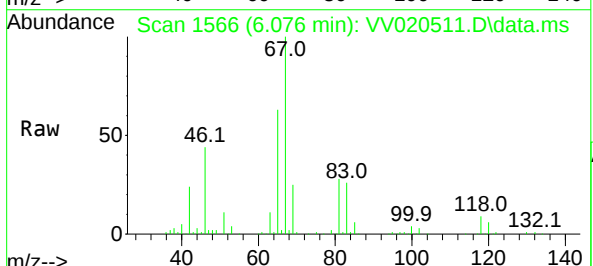
Tgt Ion: 83 Resp: 52649

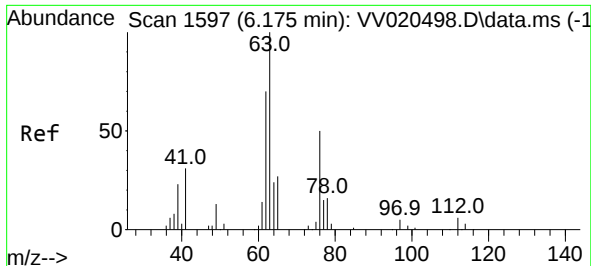
Ion Ratio Lower Upper

83 100

55 0.4 65.1 97.7#

98 2.0 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 6.40 ug/L

RT: 6.076 min Scan# 1566

Delta R.T. -0.100 min

Lab File: VV020511.D

Acq: 10 Mar 2021 21:26

Tgt Ion: 63 Resp: 21795

Ion Ratio Lower Upper

63 100

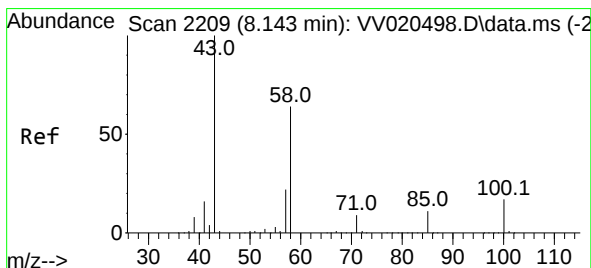
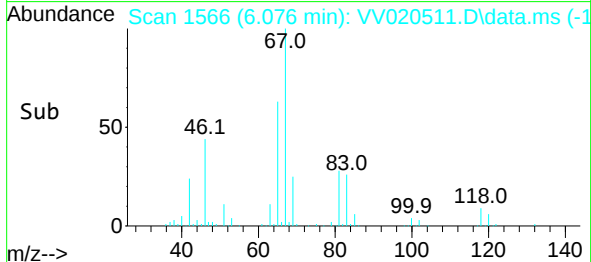
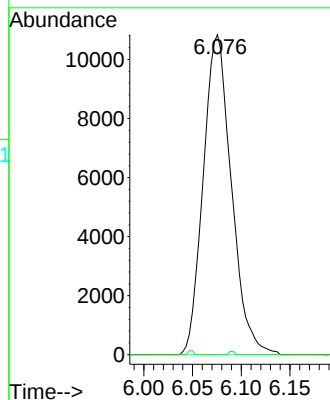
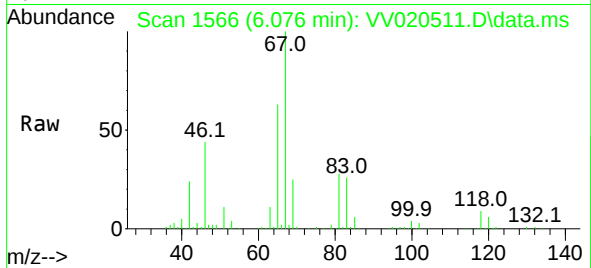
112 0.2 3.3 4.9#

Instrument :

MSVOA_V

ClientSampled :

C0B55



#48

2-Hexanone

Concen: 4.40 ug/L

RT: 8.149 min Scan# 2211

Delta R.T. 0.007 min

Lab File: VV020511.D

Acq: 10 Mar 2021 21:26

Tgt Ion: 43 Resp: 13553

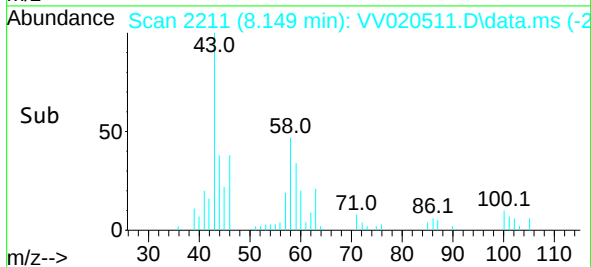
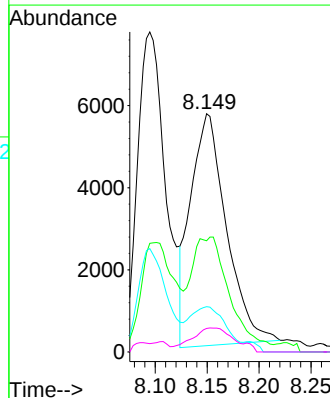
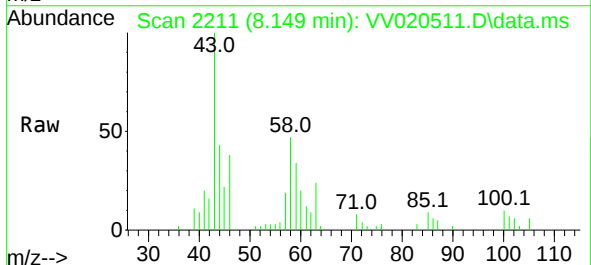
Ion Ratio Lower Upper

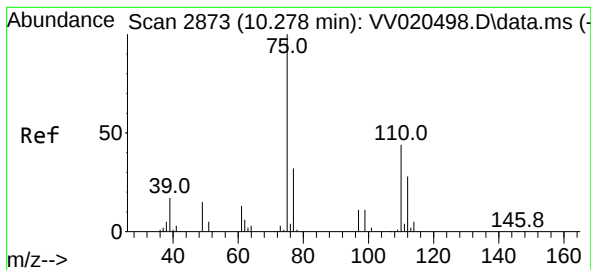
43 100

58 8.4 41.8 62.6#

57 15.0 15.0 22.4

100 7.7 8.9 13.3#





#59
 1,2,3-Trichloropropane
 Concen: 5.31 ug/L
 RT: 11.255 min Scan# 3177
 Delta R.T. 0.978 min
 Lab File: VV020511.D
 Acq: 10 Mar 2021 21:26

Instrument :
 MSVOA_V
 ClientSampleId :
 C0B55

Tgt Ion: 75 Resp: 24376
 Ion Ratio Lower Upper
 75 100
 77 37.0 25.4 38.0

