

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100621\
 Data File : VU0451187.D
 Acq On : 06 Oct 2021 15:51
 Operator : SY/MD
 Sample : M4024-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 07 03:02:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 03:00:32 2021
 Response via : Initial Calibration

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

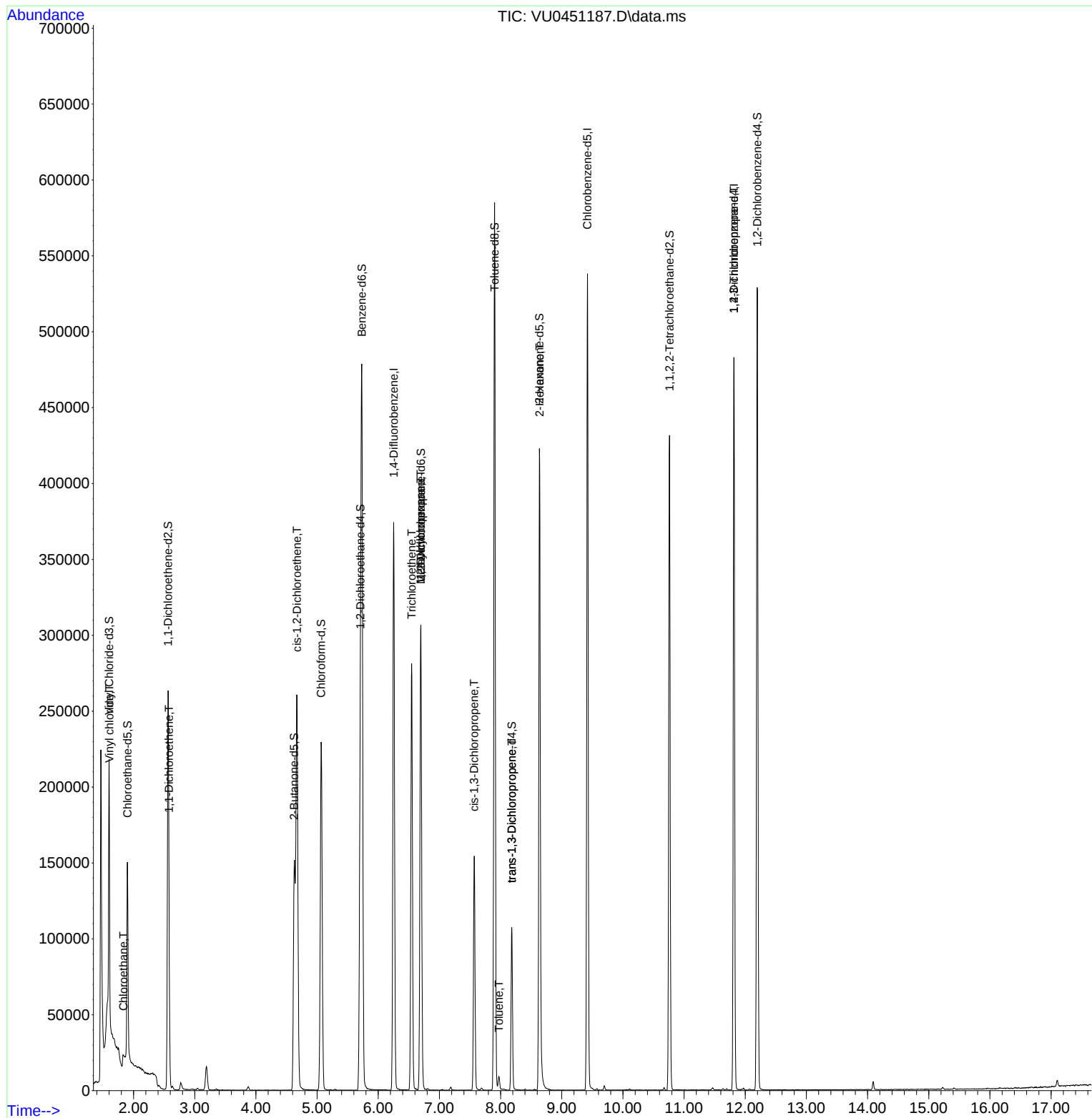
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	286496	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	275850	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	119097	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	107783	34.366	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	68.740%		
7) Chloroethane-d5	1.899	69	98659	39.697	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	79.400%		
11) 1,1-Dichloroethene-d2	2.565	63	156271	29.670	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	59.340%#		
21) 2-Butanone-d5	4.626	46	210485	84.891	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.890%		
24) Chloroform-d	5.067	84	205341	41.454	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.900%		
26) 1,2-Dichloroethane-d4	5.706	65	146577	43.686	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.380%		
32) Benzene-d6	5.732	84	424395	44.338	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.680%		
36) 1,2-Dichloropropane-d6	6.697	67	138559	44.395	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.780%		
41) Toluene-d8	7.902	98	366425	44.359	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.720%		
43) trans-1,3-Dichloroprop...	8.182	79	56425	40.642	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.280%		
47) 2-Hexanone-d5	8.636	63	146368	84.625	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.620%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	210707	43.355	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.700%		
66) 1,2-Dichlorobenzene-d4	12.198	152	127460	49.177	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.360%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	3629	1.083	ug/L #	1
8) Chloroethane	1.835	64	10509	4.998	ug/L #	52
12) 1,1-Dichloroethene	2.578	96	12751	5.747	ug/L #	1
20) cis-1,2-Dichloroethene	4.671	96	126606	49.161	ug/L	94
34) Trichloroethene	6.546	95	95234	38.754	ug/L	99
35) Methylcyclohexane	6.693	83	32506	7.901	ug/L #	16
37) 1,2-Dichloropropane	6.693	63	15688	5.632	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	3595	0.902	ug/L #	52
42) Toluene	7.973	91	6002	0.577	ug/L	96
44) trans-1,3-Dichloropropene	8.182	75	2464	0.650	ug/L #	82
48) 2-Hexanone	8.639	43	17224	4.174	ug/L #	70
60) 1,2,3-Trichloropropane	11.815	75	15887	4.823	ug/L #	67

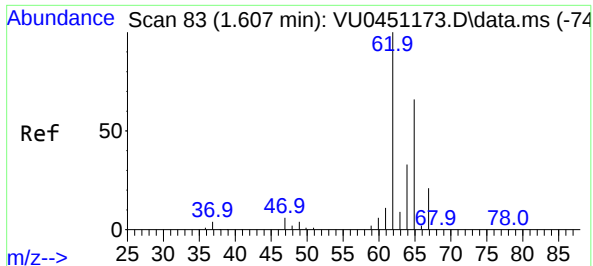
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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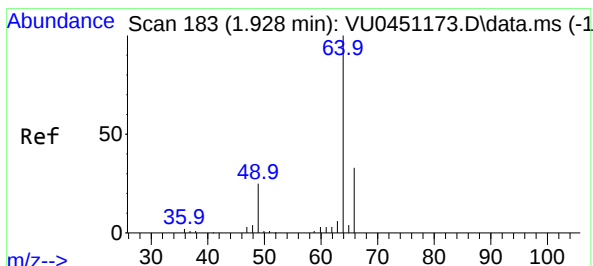
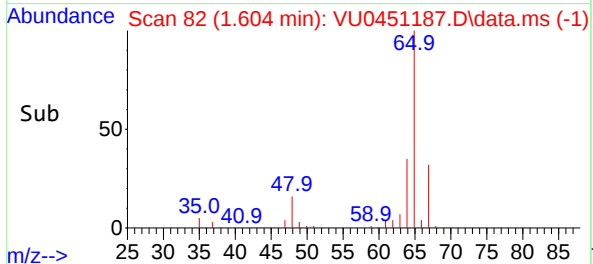
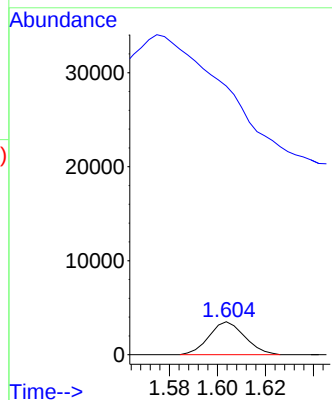
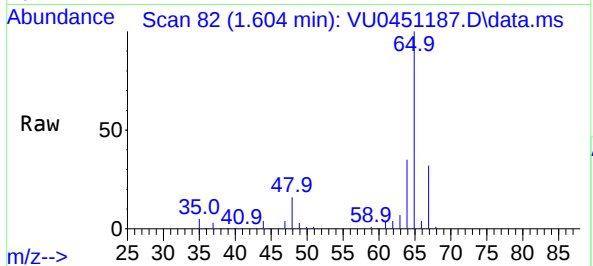




#5
 Vinyl chloride
 Concen: 1.083 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.003 min
 Lab File: VU0451187.D
 Acq: 06 Oct 2021 15:51

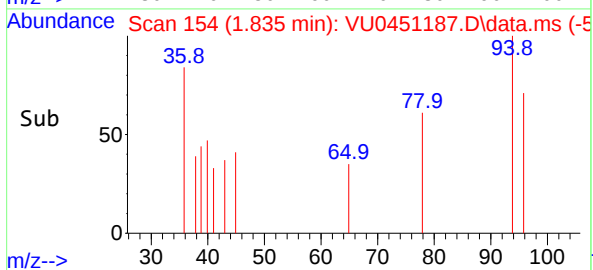
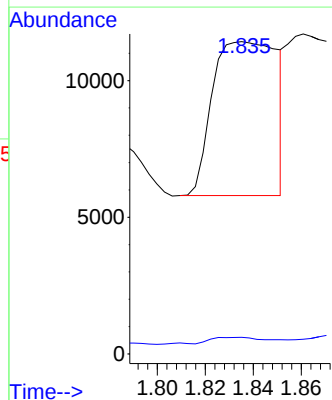
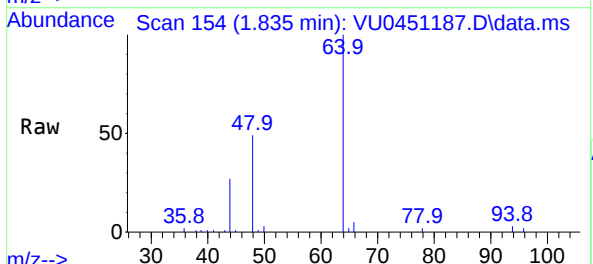
Instrument :
 MSVOA_U
 ClientSampled :

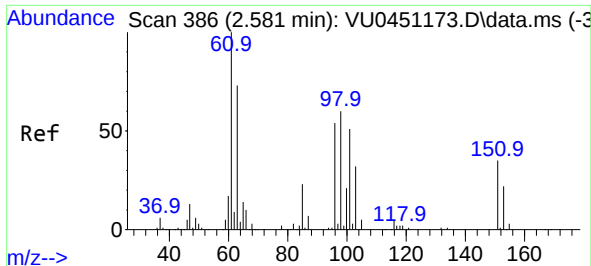
Tgt Ion: 62 Resp: 3629
 Ion Ratio Lower Upper
 62 100
 64 816.2 23.4 43.6#



#8
 Chloroethane
 Concen: 4.998 ug/L
 RT: 1.835 min Scan# 154
 Delta R.T. -0.093 min
 Lab File: VU0451187.D
 Acq: 06 Oct 2021 15:51

Tgt Ion: 64 Resp: 10509
 Ion Ratio Lower Upper
 64 100
 66 5.3 22.3 41.3#





#12

1,1-Dichloroethene

Concen: 5.747 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU0451187.D

Acq: 06 Oct 2021 15:51

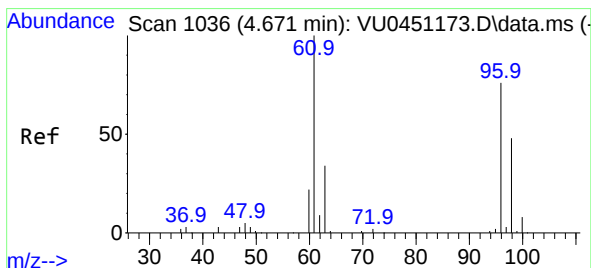
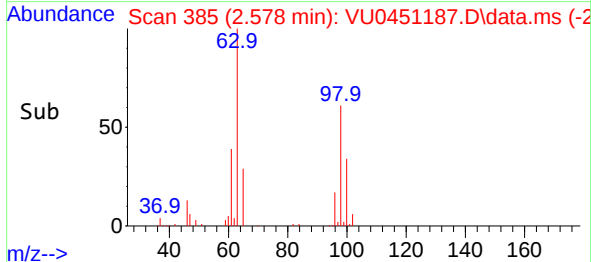
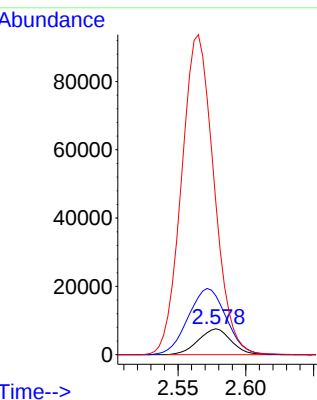
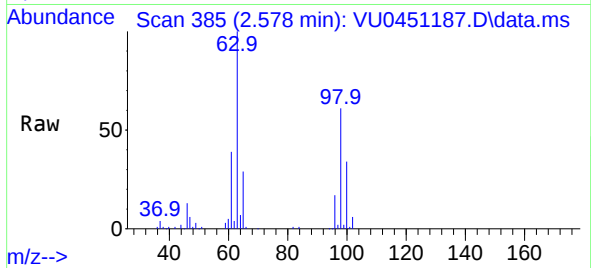
Tgt Ion: 96 Resp: 12751

Ion Ratio Lower Upper

96 100

61 226.4 131.3 243.9

63 583.3 102.5 190.3#



#20

cis-1,2-Dichloroethene

Concen: 49.161 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU0451187.D

Acq: 06 Oct 2021 15:51

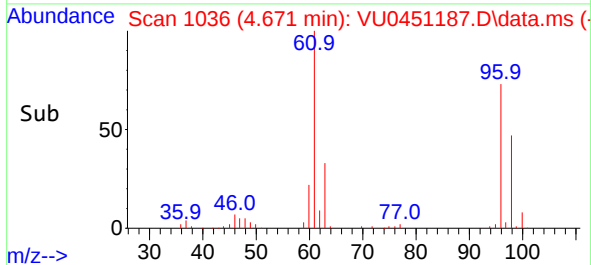
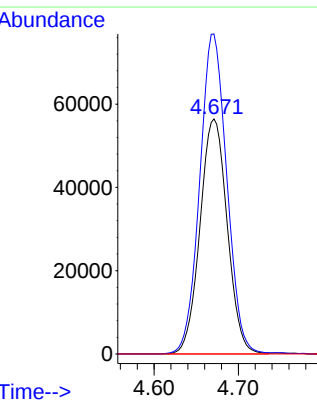
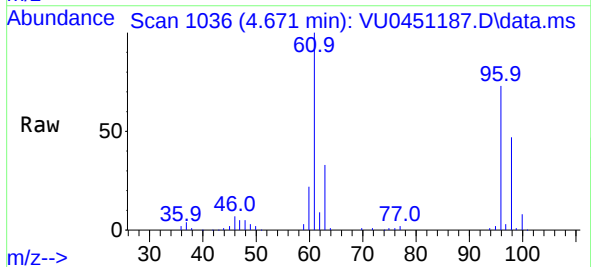
Tgt Ion: 96 Resp: 126606

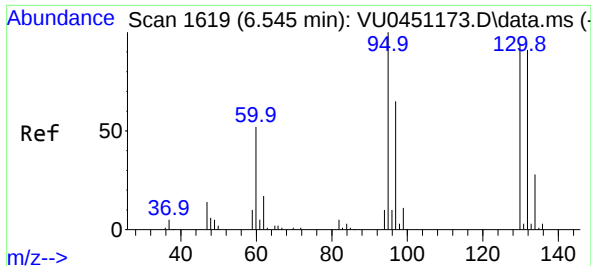
Ion Ratio Lower Upper

96 100

61 136.1 100.2 186.0

68 0.0 0.0 0.0

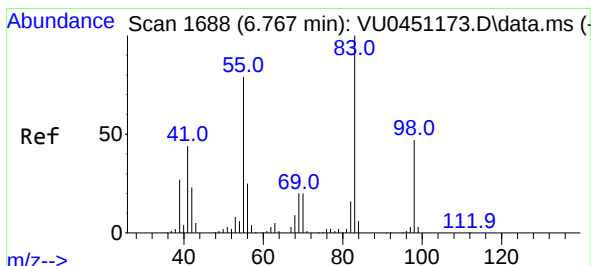
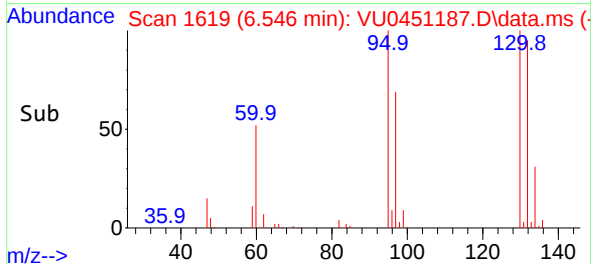
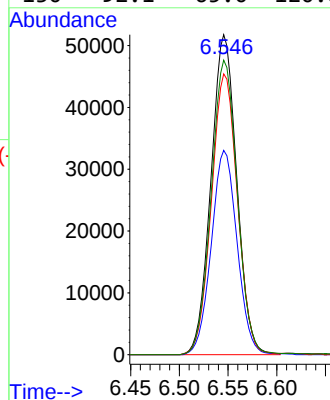
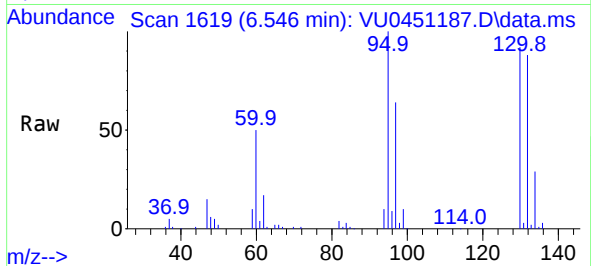




#34
Trichloroethene
Concen: 38.754 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU0451187.D
Acq: 06 Oct 2021 15:51

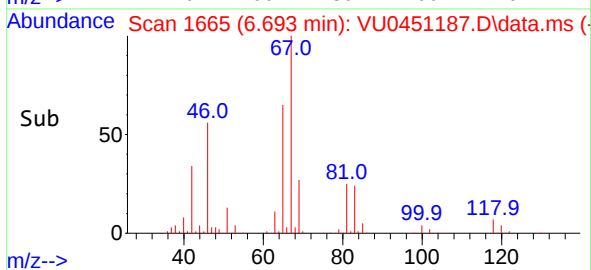
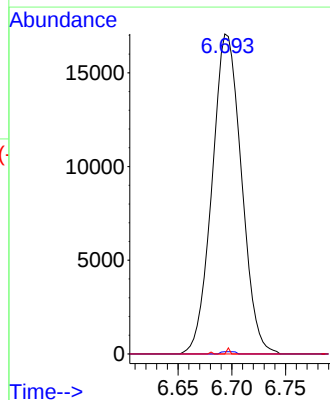
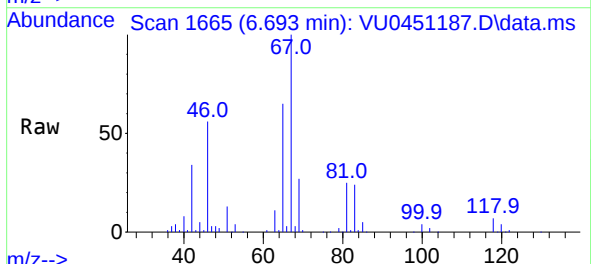
Instrument :
MSVOA_U
ClientSampled :

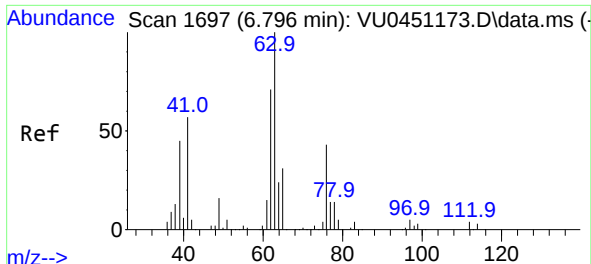
Tgt Ion: 95 Resp: 95234
Ion Ratio Lower Upper
95 100
97 63.8 44.4 82.4
132 87.8 62.9 116.9
130 92.1 65.0 120.8



#35
Methylcyclohexane
Concen: 7.901 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU0451187.D
Acq: 06 Oct 2021 15:51

Tgt Ion: 83 Resp: 32506
Ion Ratio Lower Upper
83 100
55 0.3 65.8 98.6#
98 0.2 37.1 55.7#

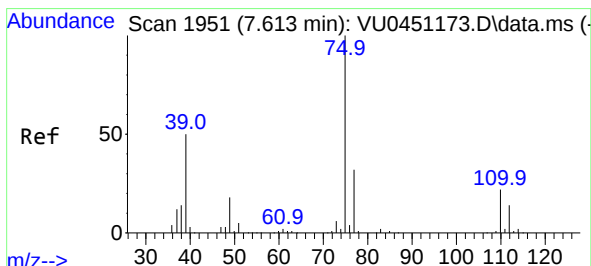
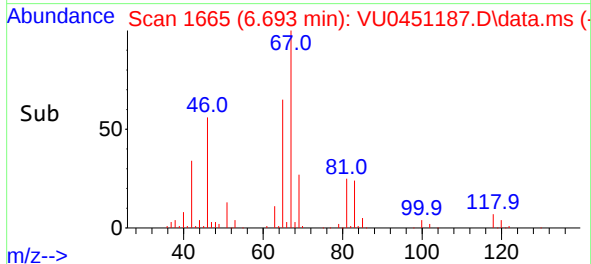
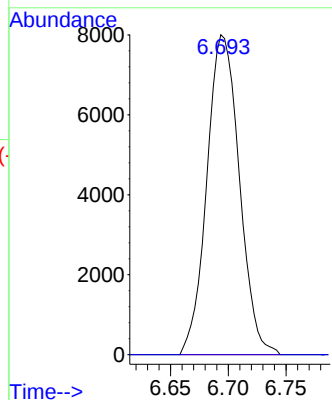
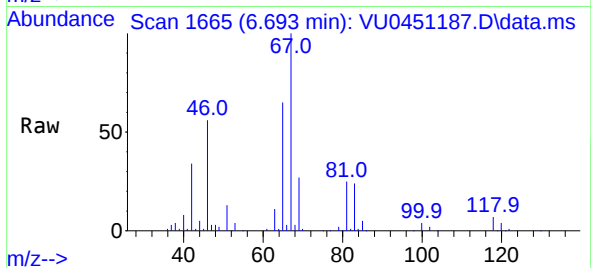




#37
1,2-Dichloropropane
Concen: 5.632 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU0451187.D
Acq: 06 Oct 2021 15:51

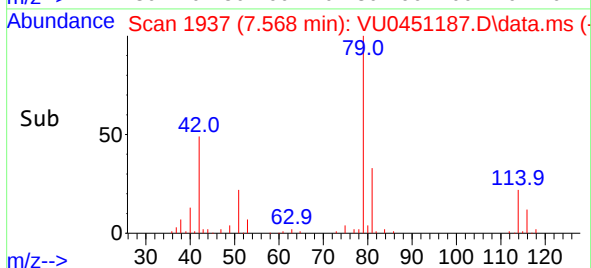
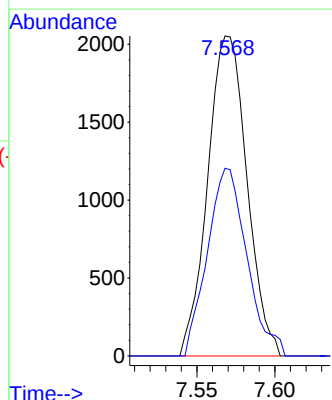
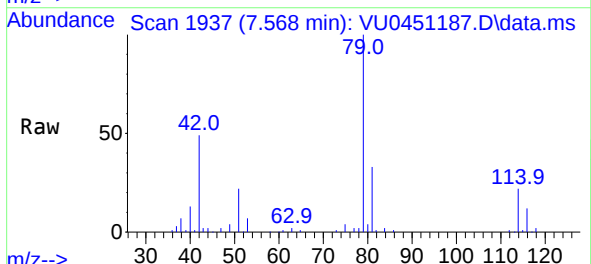
Instrument :
MSVOA_U
ClientSampleId :

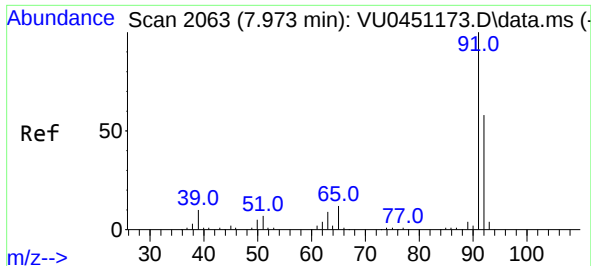
Tgt Ion: 63 Resp: 15688
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#39
cis-1,3-Dichloropropene
Concen: 0.902 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU0451187.D
Acq: 06 Oct 2021 15:51

Tgt Ion: 75 Resp: 3595
Ion Ratio Lower Upper
75 100
77 58.6 22.4 41.6#

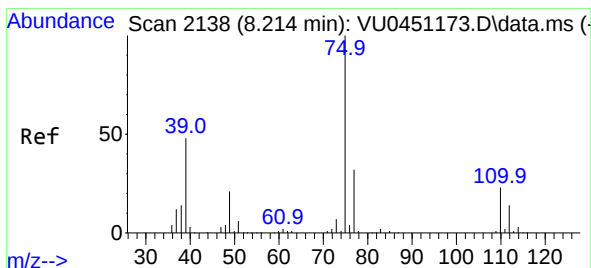
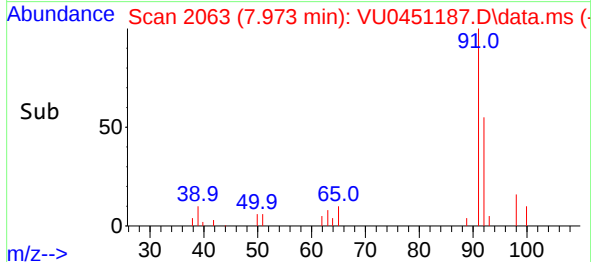
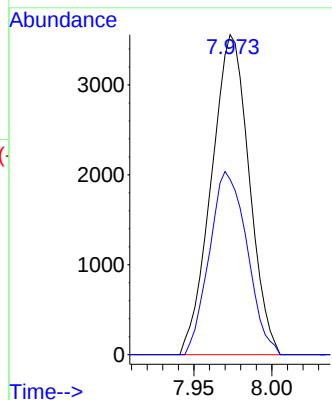
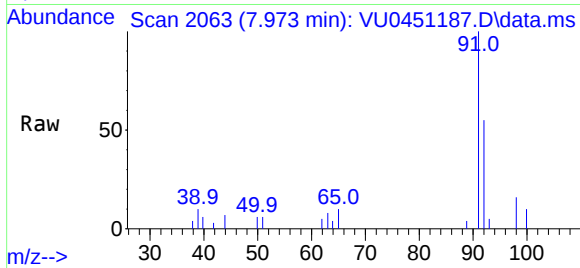




#42
Toluene
Concen: 0.577 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU0451187.D
Acq: 06 Oct 2021 15:51

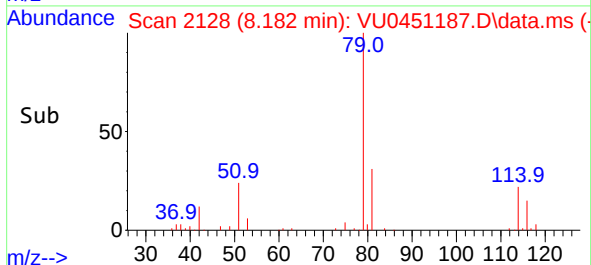
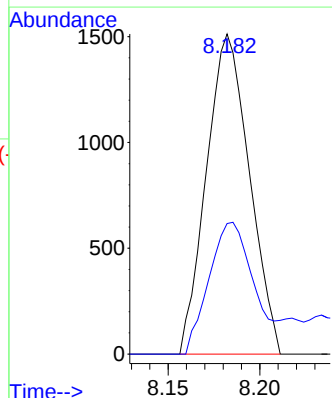
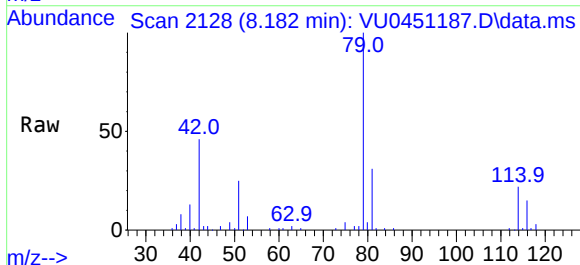
Instrument :
MSVOA_U
ClientSampled :

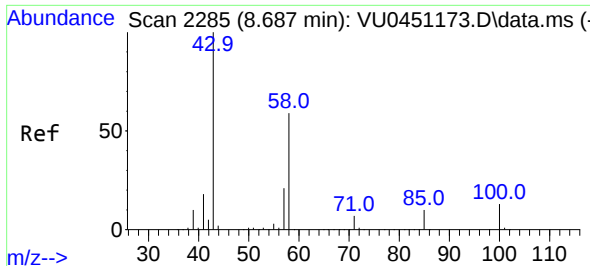
Tgt Ion: 91 Resp: 6002
Ion Ratio Lower Upper
91 100
92 54.8 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.650 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU0451187.D
Acq: 06 Oct 2021 15:51

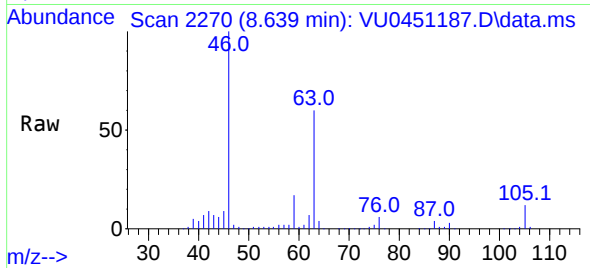
Tgt Ion: 75 Resp: 2464
Ion Ratio Lower Upper
75 100
77 40.8 21.7 40.3#



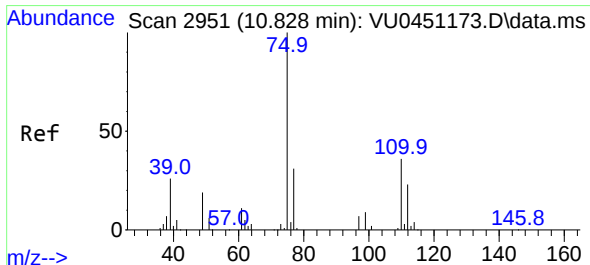
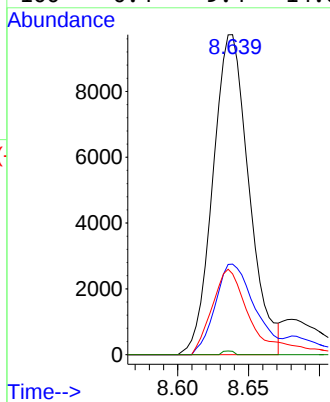
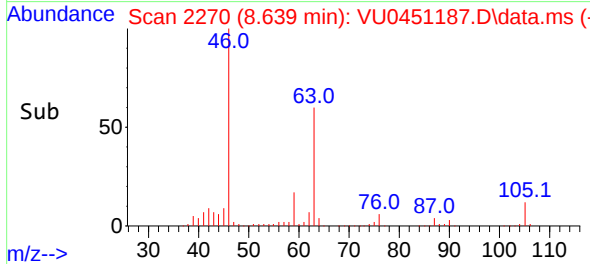


#48
2-Hexanone
Concen: 4.174 ug/L
RT: 8.639 min Scan# 2270
Delta R.T. -0.048 min
Lab File: VU0451187.D
Acq: 06 Oct 2021 15:51

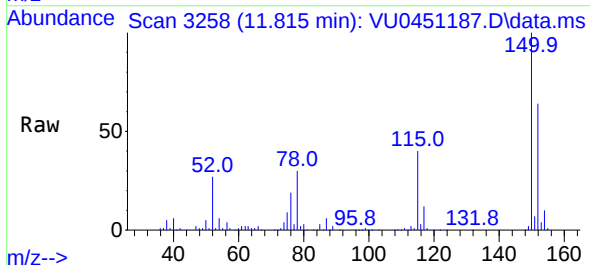
Instrument :
MSVOA_U
ClientSampled :



Tgt Ion: 43	Resp: 17224
Ion Ratio	Lower Upper
43 100	
58 31.4	44.9 67.3#
57 28.9	15.5 23.3#
100 0.4	9.4 14.0#



#60
1,2,3-Trichloropropane
Concen: 4.823 ug/L
RT: 11.815 min Scan# 3258
Delta R.T. 0.987 min
Lab File: VU0451187.D
Acq: 06 Oct 2021 15:51



Tgt Ion: 75	Resp: 15887
Ion Ratio	Lower Upper
75 100	
77 35.1	25.5 38.3
110 2.2	29.0 43.4#

