

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100621\
 Data File : VU0451179.D
 Acq On : 06 Oct 2021 12:39
 Operator : SY/MD
 Sample : M4024-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 07 03:01:42 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)

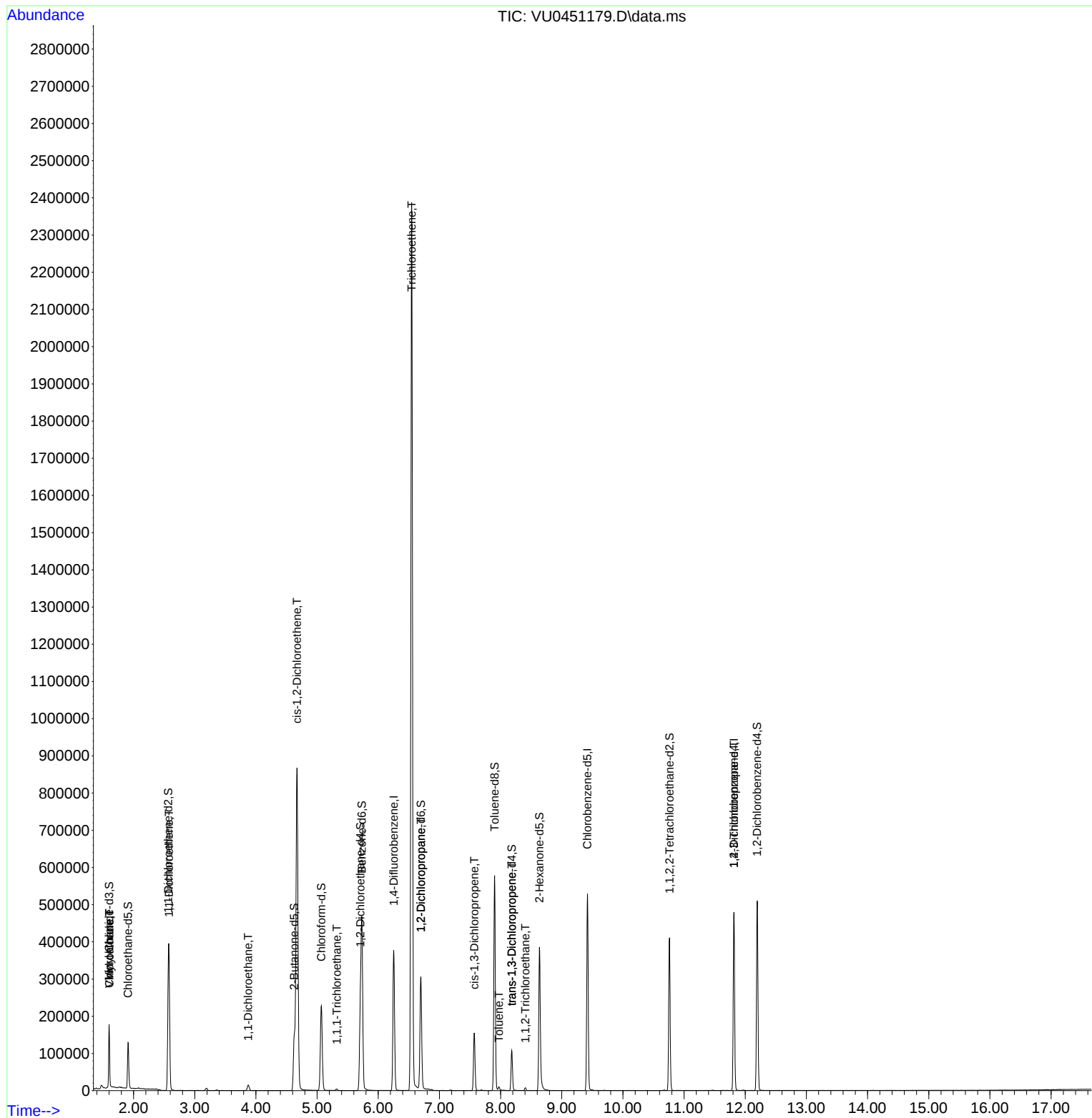
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	291866	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	275373	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	118075	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	109128	34.155	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	68.300%		
7) Chloroethane-d5	1.909	69	97750	38.608	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.220%		
11) 1,1-Dichloroethene-d2	2.568	63	189395	35.298	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.600%		
21) 2-Butanone-d5	4.626	46	209152	82.801	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	82.800%		
24) Chloroform-d	5.070	84	204042	40.434	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.860%		
26) 1,2-Dichloroethane-d4	5.706	65	145250	42.494	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.980%		
32) Benzene-d6	5.732	84	418621	43.810	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.620%		
36) 1,2-Dichloropropane-d6	6.697	67	136493	43.808	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.620%		
41) Toluene-d8	7.902	98	364273	44.175	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.360%		
43) trans-1,3-Dichloroprop...	8.182	79	56616	40.850	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.700%		
47) 2-Hexanone-d5	8.636	63	137589	79.687	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	79.690%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	200563	41.339	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	82.680%		
66) 1,2-Dichlorobenzene-d4	12.195	152	125005	48.647	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.300%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	2534	0.743	ug/L #	1
8) Chloroethane	1.604	64	14497	6.768	ug/L	87
12) 1,1-Dichloroethene	2.581	96	74249	32.851	ug/L	99
19) 1,1-Dichloroethane	3.874	63	17381	3.509	ug/L	96
20) cis-1,2-Dichloroethene	4.671	96	436160	166.246	ug/L	93
30) 1,1,1-Trichloroethane	5.324	97	2889	0.758	ug/L #	69
34) Trichloroethene	6.546	95	813510	331.616	ug/L	99
37) 1,2-Dichloropropane	6.697	63	15503	5.575	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	3942	0.991	ug/L #	73
42) Toluene	7.973	91	5908	0.569	ug/L	96
44) trans-1,3-Dichloropropene	8.182	75	2563	0.677	ug/L	88
45) 1,1,2-Trichloroethane	8.404	97	2447	0.971	ug/L	96
60) 1,2,3-Trichloropropane	11.816	75	15910	4.872	ug/L #	68

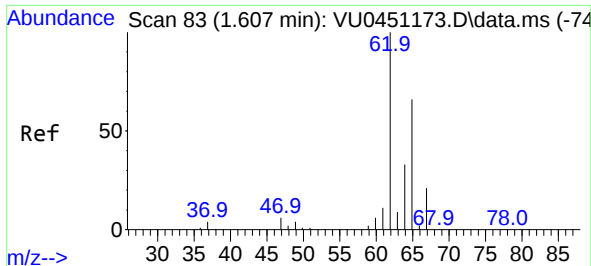
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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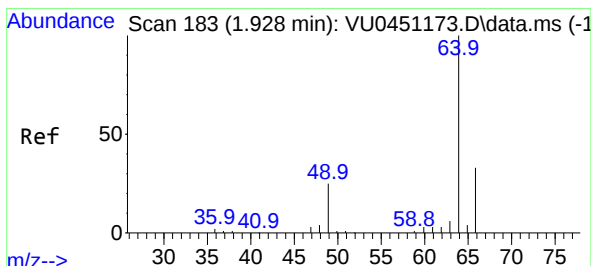
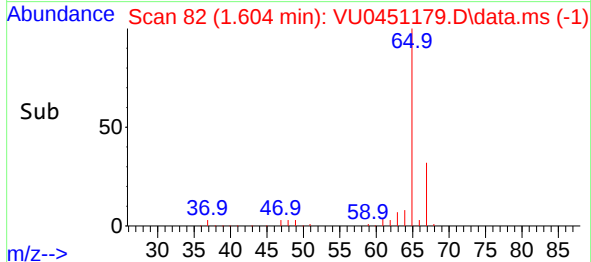
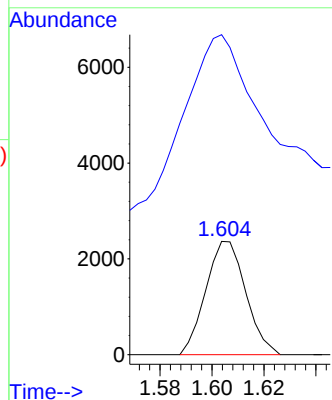
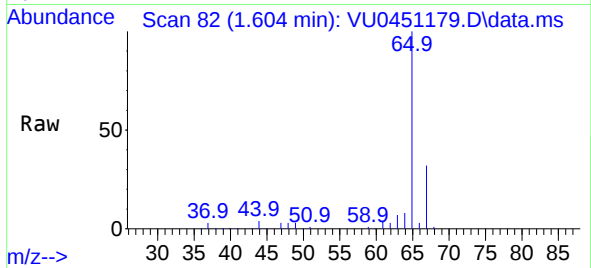




#5
 Vinyl chloride
 Concen: 0.743 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.003 min
 Lab File: VU0451179.D
 Acq: 06 Oct 2021 12:39

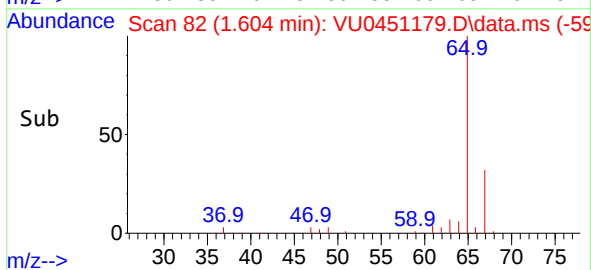
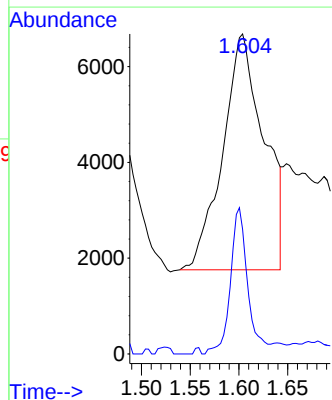
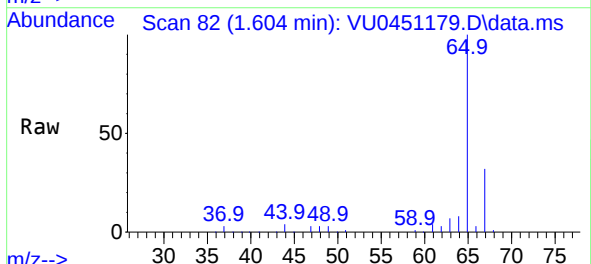
Instrument :
 MSVOA_U
 ClientSampled :

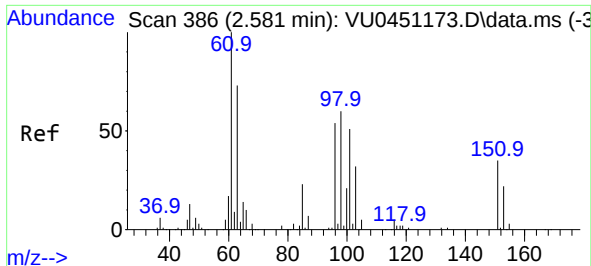
Tgt Ion: 62 Resp: 2534
 Ion Ratio Lower Upper
 62 100
 64 282.3 23.4 43.6#



#8
 Chloroethane
 Concen: 6.768 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.325 min
 Lab File: VU0451179.D
 Acq: 06 Oct 2021 12:39

Tgt Ion: 64 Resp: 14497
 Ion Ratio Lower Upper
 64 100
 66 38.9 22.3 41.3





#12

1,1-Dichloroethene

Concen: 32.851 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.000 min

Lab File: VU0451179.D

Acq: 06 Oct 2021 12:39

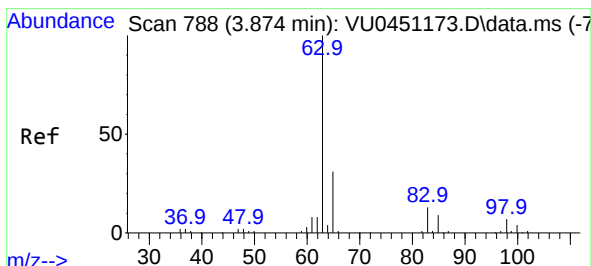
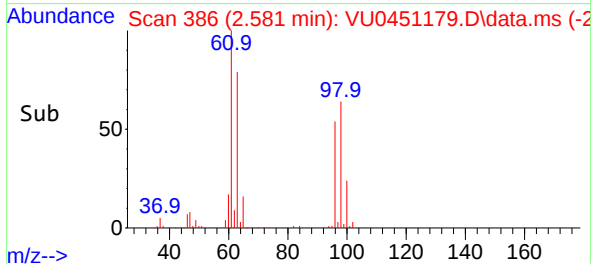
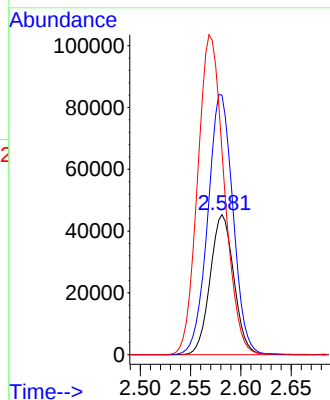
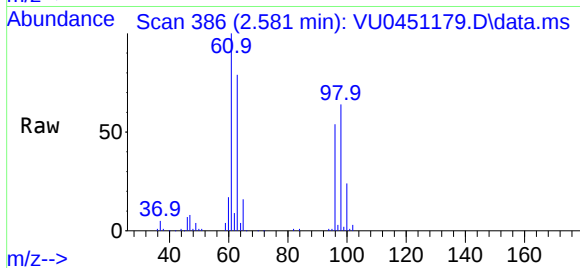
Tgt Ion: 96 Resp: 74249

Ion Ratio Lower Upper

96 100

61 185.3 131.3 243.9

63 145.7 102.5 190.3



#19

1,1-Dichloroethane

Concen: 3.509 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU0451179.D

Acq: 06 Oct 2021 12:39

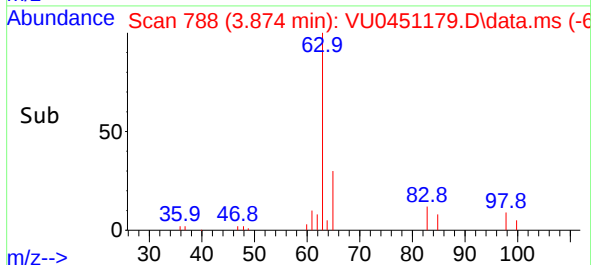
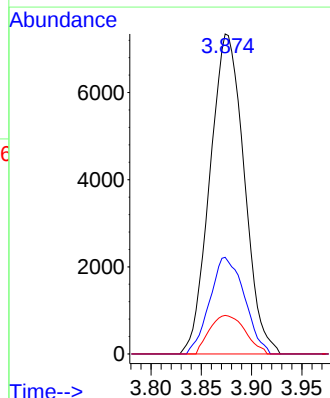
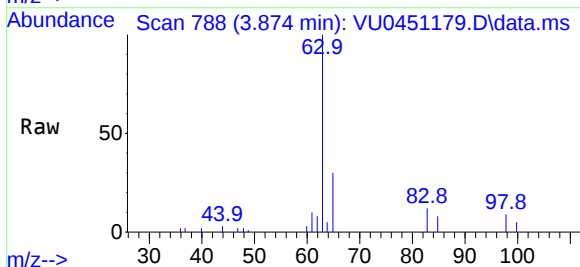
Tgt Ion: 63 Resp: 17381

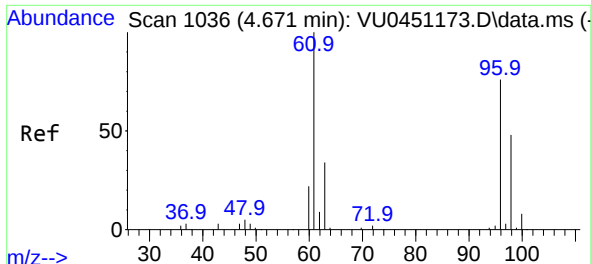
Ion Ratio Lower Upper

63 100

65 28.8 22.0 40.8

83 11.5 9.0 16.6

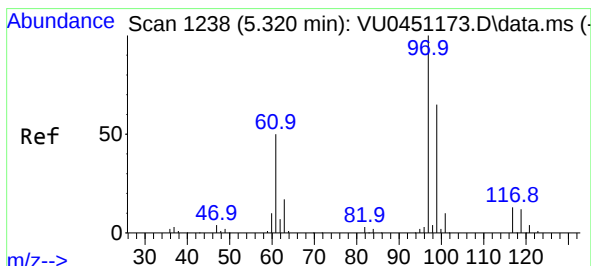
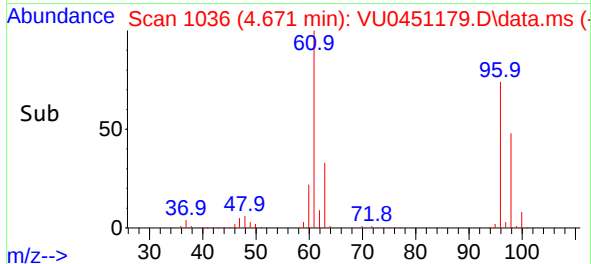
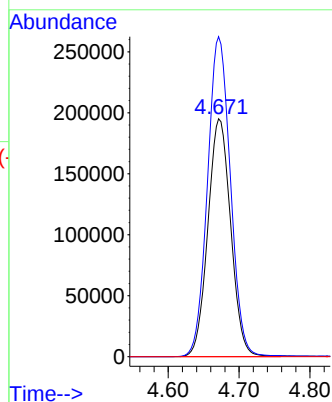
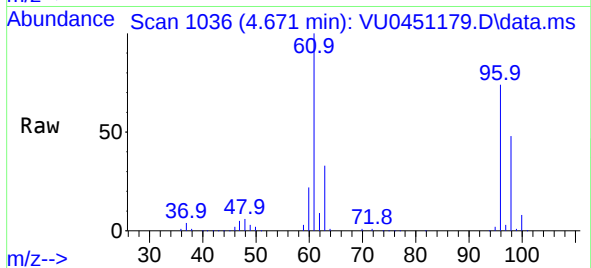




#20
cis-1,2-Dichloroethene
Concen: 166.246 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU0451179.D
Acq: 06 Oct 2021 12:39

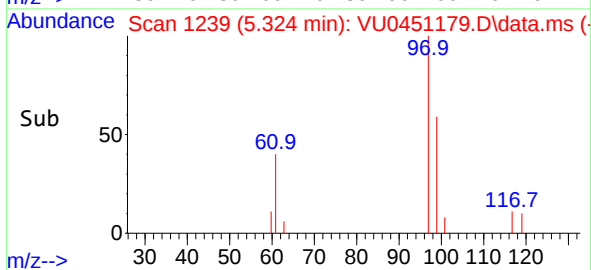
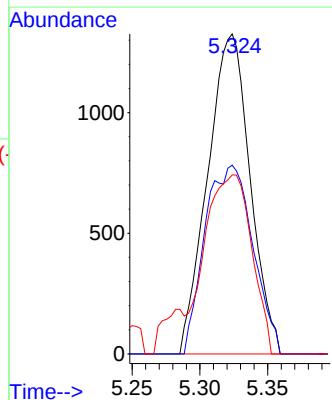
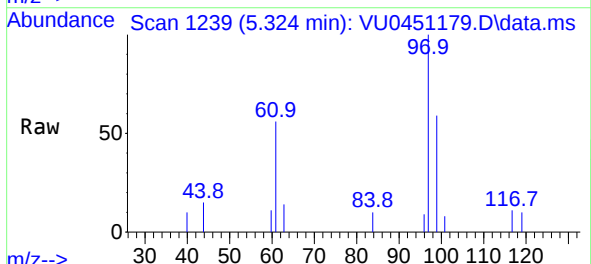
Instrument :
MSVOA_U
ClientSampleId :

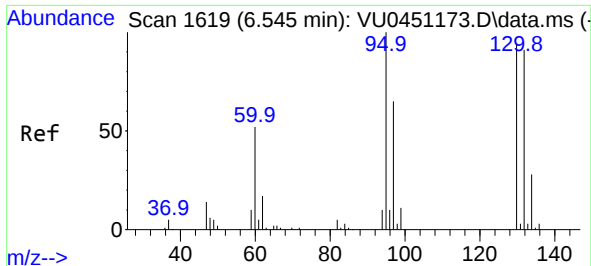
Tgt Ion: 96 Resp: 436160
Ion Ratio Lower Upper
96 100
61 134.5 100.2 186.0
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 0.758 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. 0.003 min
Lab File: VU0451179.D
Acq: 06 Oct 2021 12:39

Tgt Ion: 97 Resp: 2889
Ion Ratio Lower Upper
97 100
99 29.2 50.6 75.8#
61 61.6 41.3 61.9

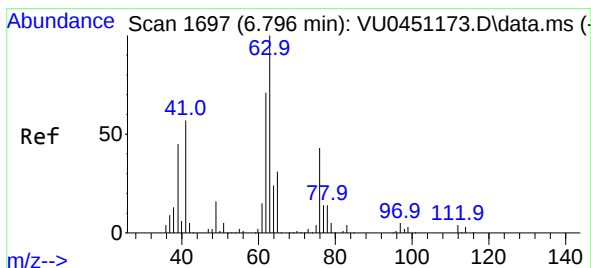
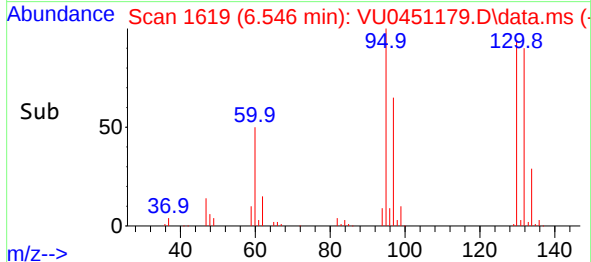
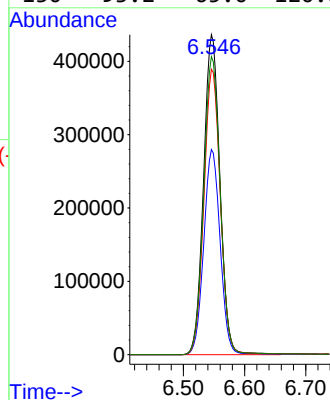
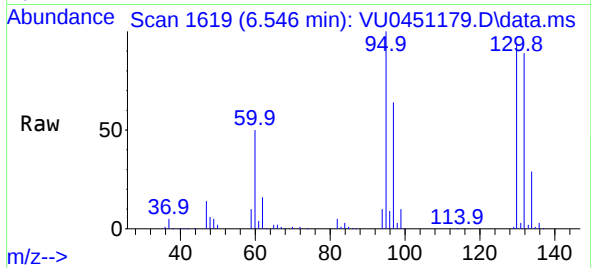




#34
Trichloroethene
Concen: 331.616 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU0451179.D
Acq: 06 Oct 2021 12:39

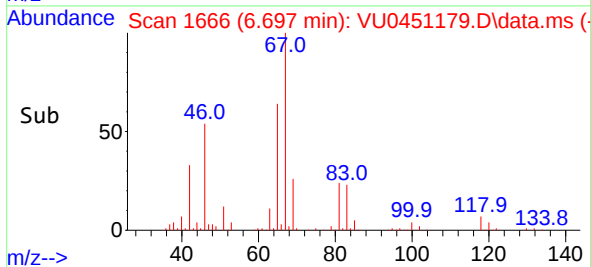
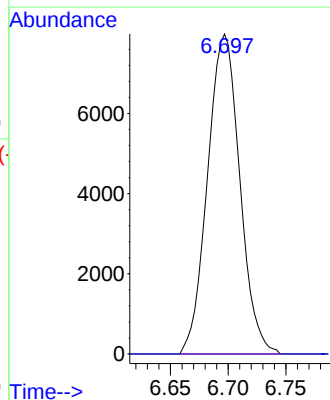
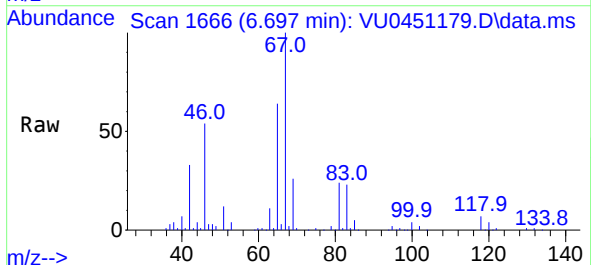
Instrument :
MSVOA_U
ClientSampleId :

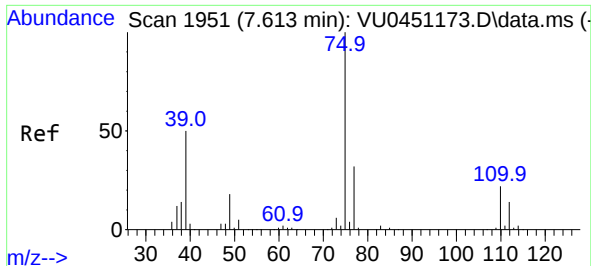
Tgt Ion: 95 Resp: 813510
Ion Ratio Lower Upper
95 100
97 64.1 44.4 82.4
132 89.2 62.9 116.9
130 93.2 65.0 120.8



#37
1,2-Dichloropropane
Concen: 5.575 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU0451179.D
Acq: 06 Oct 2021 12:39

Tgt Ion: 63 Resp: 15503
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

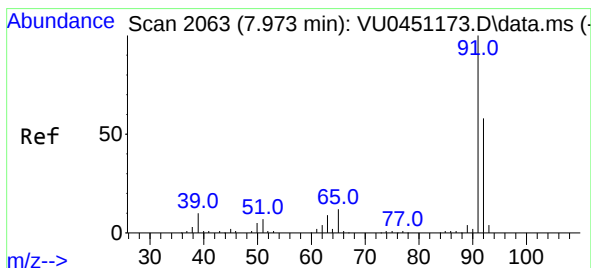
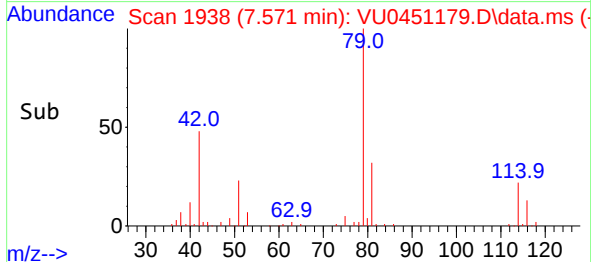
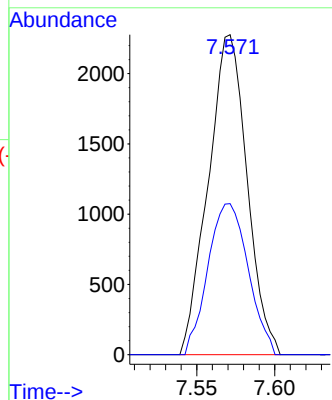
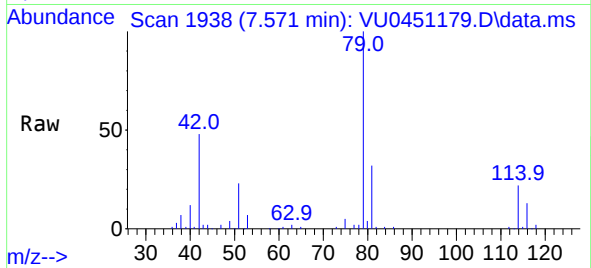




#39
cis-1,3-Dichloropropene
Concen: 0.991 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU0451179.D
Acq: 06 Oct 2021 12:39

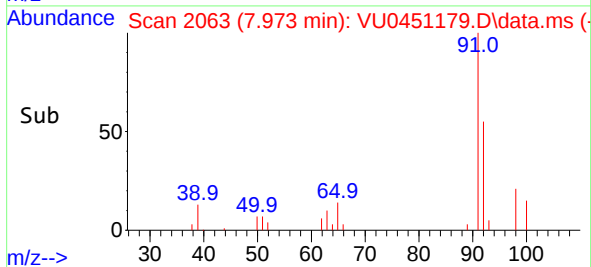
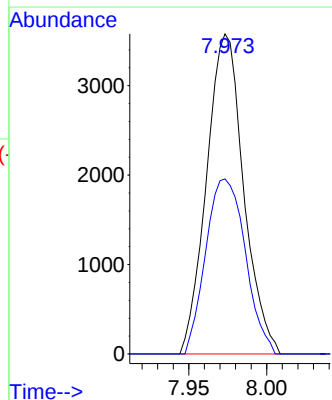
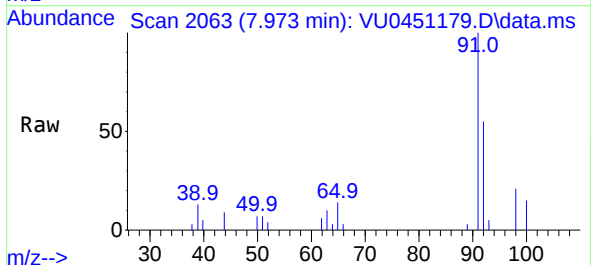
Instrument :
MSVOA_U
ClientSampled :

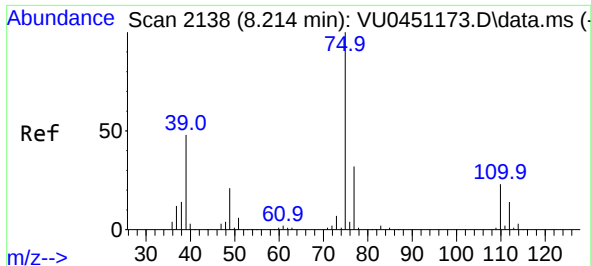
Tgt Ion: 75 Resp: 3942
Ion Ratio Lower Upper
75 100
77 47.2 22.4 41.6#



#42
Toluene
Concen: 0.569 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU0451179.D
Acq: 06 Oct 2021 12:39

Tgt Ion: 91 Resp: 5908
Ion Ratio Lower Upper
91 100
92 54.7 40.5 75.1

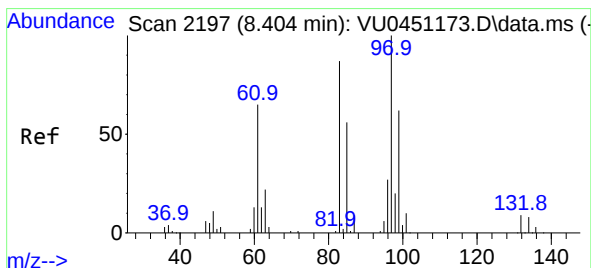
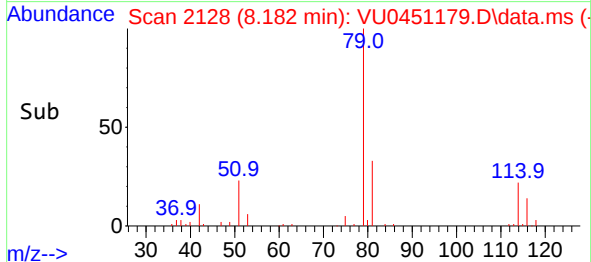
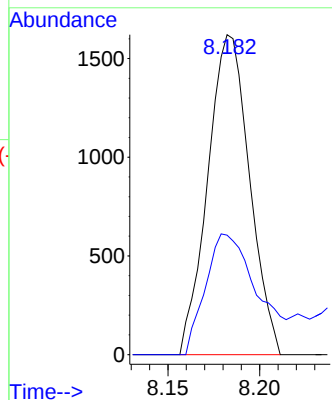
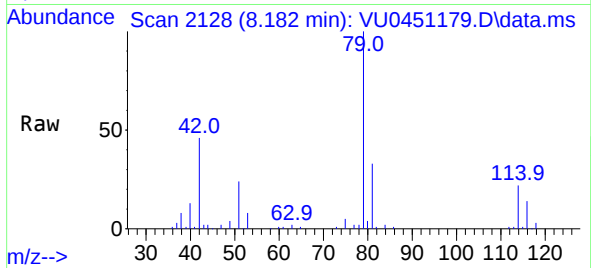




#44
trans-1,3-Dichloropropene
Concen: 0.677 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU0451179.D
Acq: 06 Oct 2021 12:39

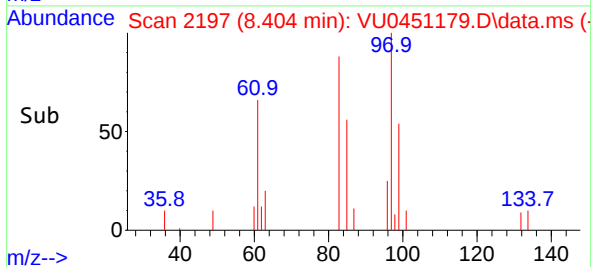
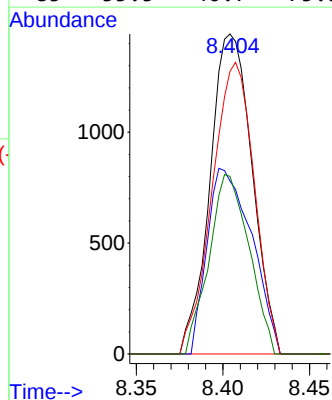
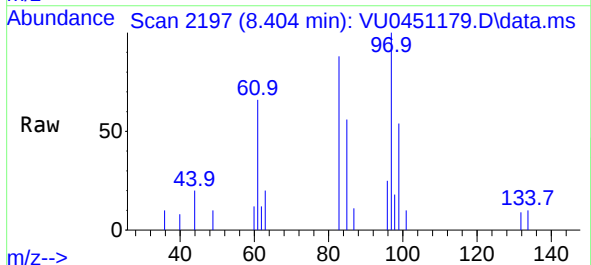
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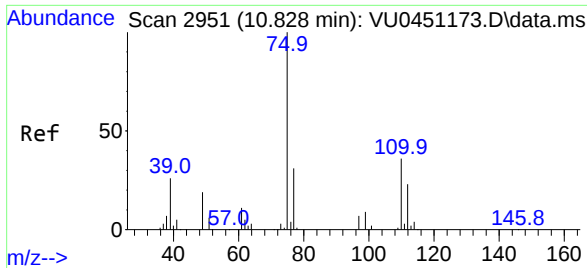
Tgt Ion: 75 Resp: 2563
Ion Ratio Lower Upper
75 100
77 37.3 21.7 40.3



#45
1,1,2-Trichloroethane
Concen: 0.971 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU0451179.D
Acq: 06 Oct 2021 12:39

Tgt Ion: 97 Resp: 2447
Ion Ratio Lower Upper
97 100
99 54.1 43.7 81.1
83 88.3 61.9 115.1
85 55.5 40.7 75.5





#60
1,2,3-Trichloropropane
Concen: 4.872 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.987 min
Lab File: VU0451179.D
Acq: 06 Oct 2021 12:39

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	75	Resp:	15910
Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.5	38.3
110	1.7	29.0	43.4#

