

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045212.D
 Acq On : 07 Oct 2021 15:17
 Operator : SY/MD
 Sample : M4025-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 07 21:38:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 21:34:31 2021
 Response via : Initial Calibration

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

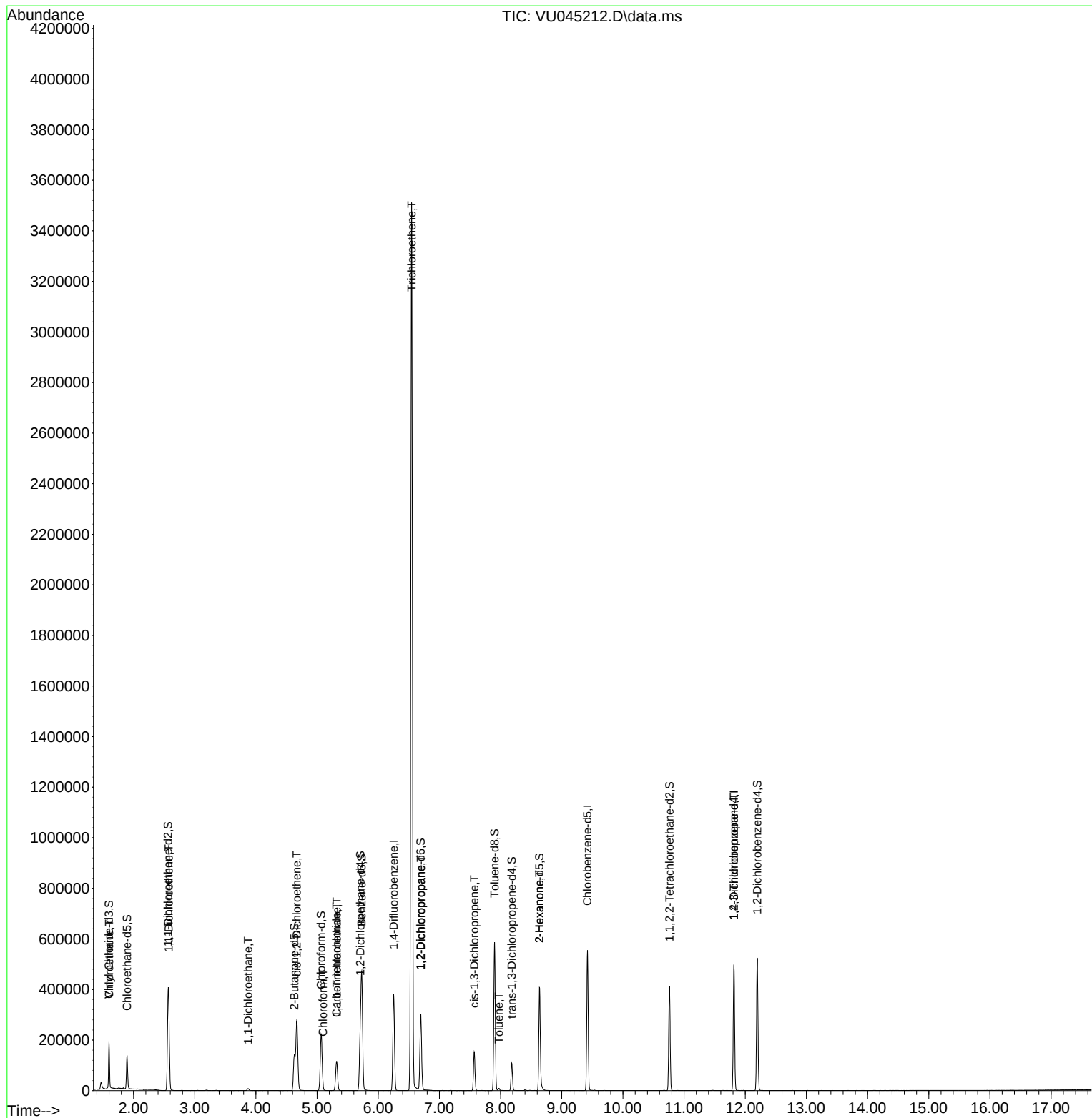
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	298279	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	284815	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	123468	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	117816	36.081	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.160%		
7) Chloroethane-d5	1.893	69	99261	38.361	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	76.720%		
11) 1,1-Dichloroethene-d2	2.565	63	199997	36.472	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.940%		
21) 2-Butanone-d5	4.629	46	194422	75.315	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	75.320%		
24) Chloroform-d	5.066	84	201567	39.085	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	78.160%		
26) 1,2-Dichloroethane-d4	5.706	65	144869	41.471	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.940%		
32) Benzene-d6	5.729	84	417541	42.248	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.500%		
36) 1,2-Dichloropropane-d6	6.693	67	134672	41.791	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	83.580%		
41) Toluene-d8	7.902	98	366719	42.997	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.000%		
43) trans-1,3-Dichloroprop...	8.182	79	56429	39.366	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.740%		
47) 2-Hexanone-d5	8.635	63	139853	78.313	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	78.310%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	204019	40.657	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	81.320%		
66) 1,2-Dichlorobenzene-d4	12.198	152	128260	47.733	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.460%		
Target Compounds						Qvalue
8) Chloroethane	1.600	64	12324	5.630	ug/L	84
12) 1,1-Dichloroethene	2.575	96	79077	34.235	ug/L	95
19) 1,1-Dichloroethane	3.874	63	9621	1.901	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	136070	50.749	ug/L	91
25) Chloroform	5.095	83	3350	0.666	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	81435	20.655	ug/L	99
31) Carbon tetrachloride	5.317	117	10237	3.287	ug/L	95
34) Trichloroethene	6.546	95	1178430	464.445	ug/L	99
37) 1,2-Dichloropropane	6.697	63	15753	5.477	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	3785	0.920	ug/L #	74
42) Toluene	7.973	91	5812	0.541	ug/L	94
48) 2-Hexanone	8.635	43	17375	4.078	ug/L #	68
60) 1,2,3-Trichloropropane	11.815	75	16438	4.814	ug/L #	68

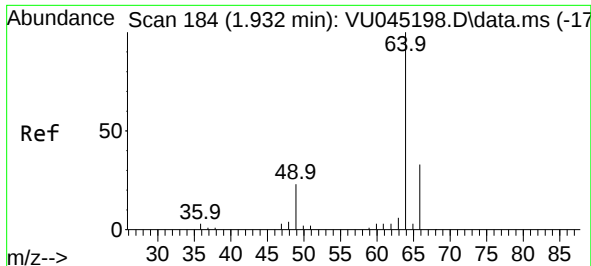
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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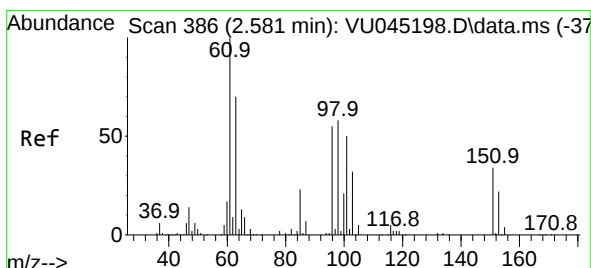
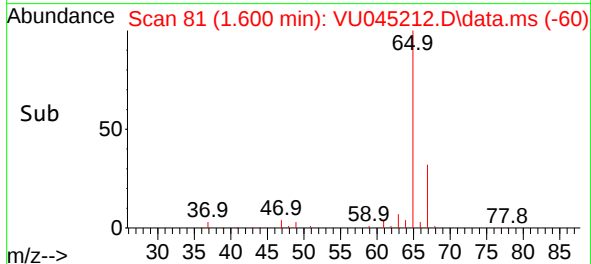
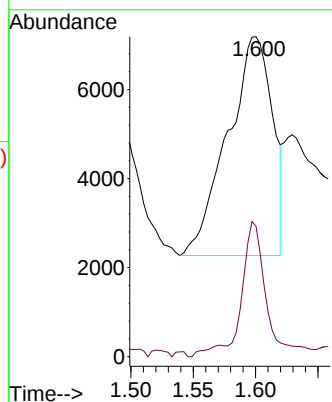
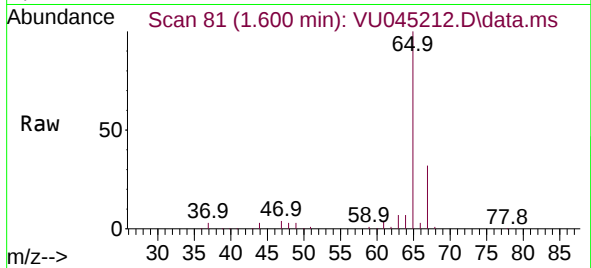




#8
Chloroethane
Concen: 5.630 ug/L
RT: 1.600 min Scan# 81
Delta R.T. -0.331 min
Lab File: VU045212.D
Acq: 07 Oct 2021 15:17

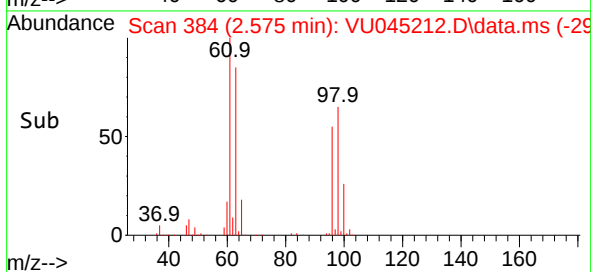
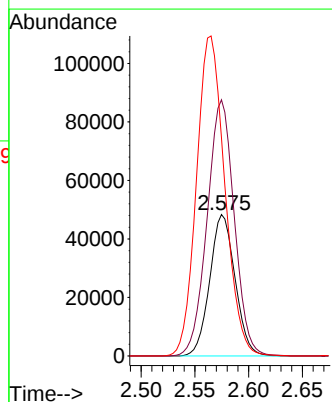
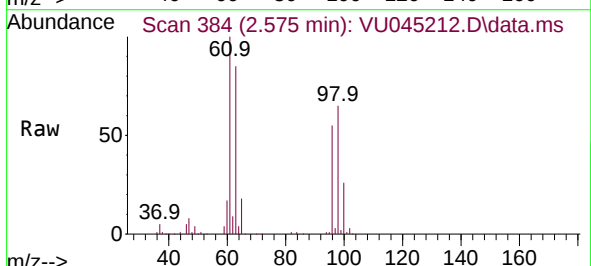
Instrument :
MSVOA_U
ClientSampled :

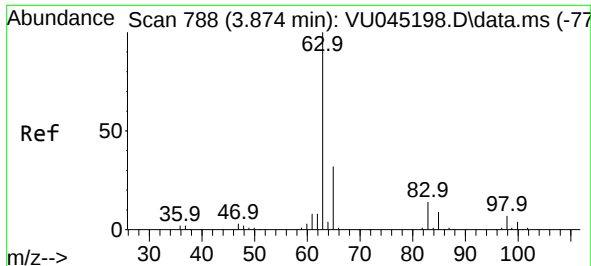
Tgt Ion: 64 Resp: 12324
Ion Ratio Lower Upper
64 100
66 40.8 22.3 41.3



#12
1,1-Dichloroethene
Concen: 34.235 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.006 min
Lab File: VU045212.D
Acq: 07 Oct 2021 15:17

Tgt Ion: 96 Resp: 79077
Ion Ratio Lower Upper
96 100
61 181.2 131.3 243.9
63 154.2 102.5 190.3





#19

1,1-Dichloroethane

Concen: 1.901 ug/L

RT: 3.874 min Scan# 788

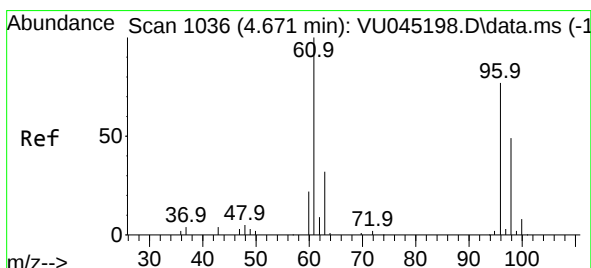
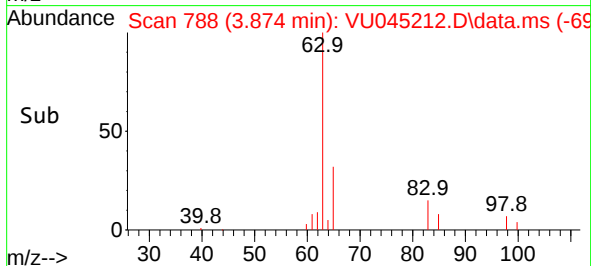
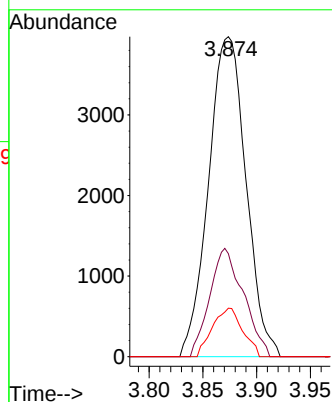
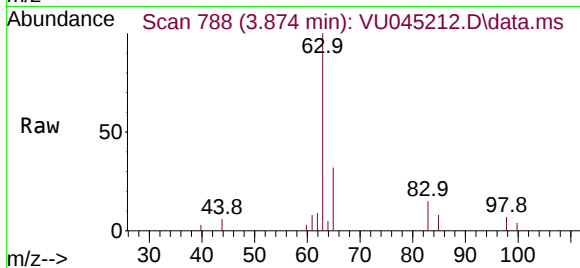
Delta R.T. -0.000 min

Lab File: VU045212.D

Acq: 07 Oct 2021 15:17

Tgt Ion:	63	Resp:	9621
Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.0	40.8
83	15.2	9.0	16.6

Instrument :
MSVOA_U
ClientSampled :



#20

cis-1,2-Dichloroethene

Concen: 50.749 ug/L

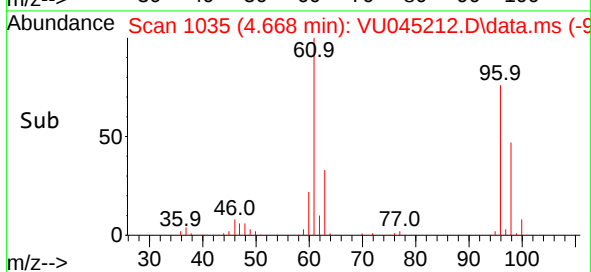
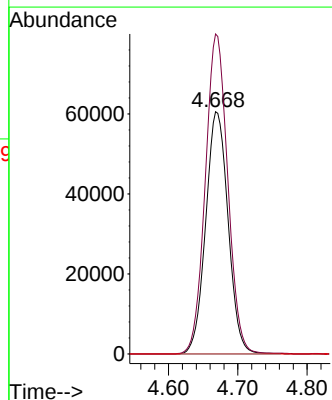
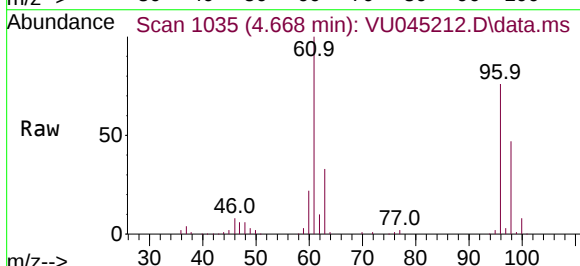
RT: 4.668 min Scan# 1035

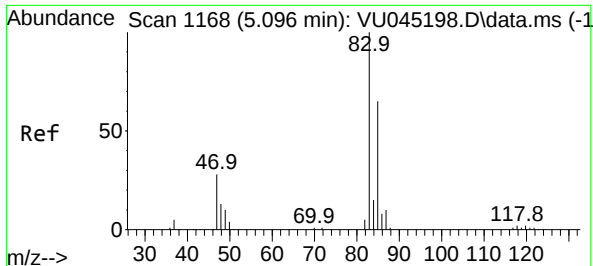
Delta R.T. -0.003 min

Lab File: VU045212.D

Acq: 07 Oct 2021 15:17

Tgt Ion:	96	Resp:	136070
Ion	Ratio	Lower	Upper
96	100		
61	132.1	100.2	186.0
68	0.0	0.0	0.0



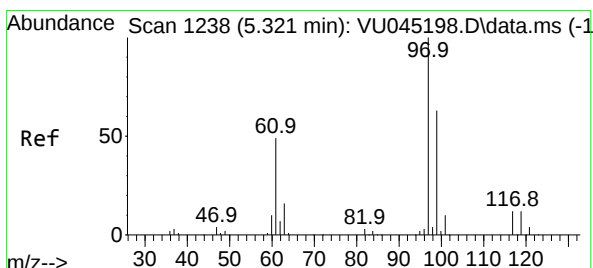
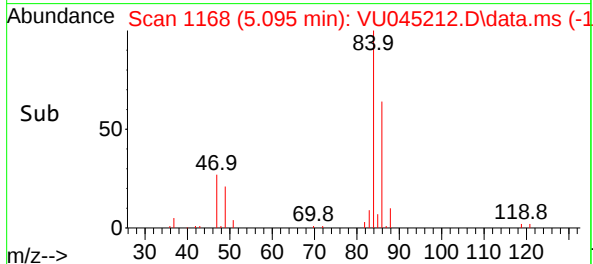
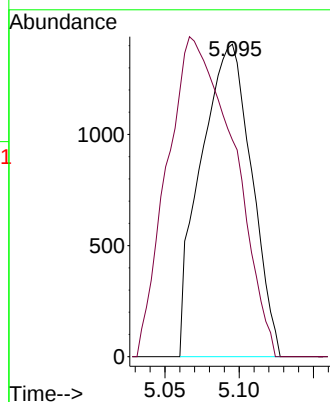
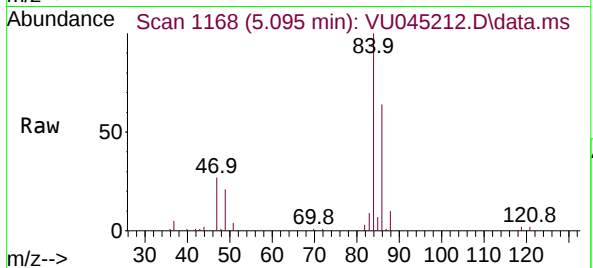


#25

Chloroform
Concen: 0.666 ug/L
RT: 5.095 min Scan# 1168
Delta R.T. -0.000 min
Lab File: VU045212.D
Acq: 07 Oct 2021 15:17

Instrument :
MSVOA_U
ClientSampled :

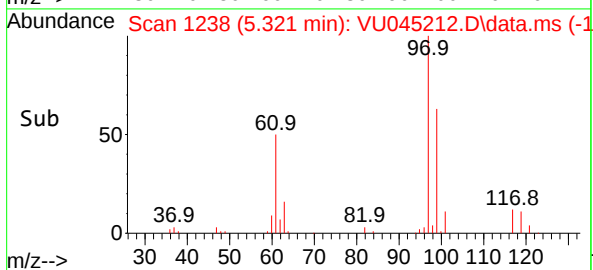
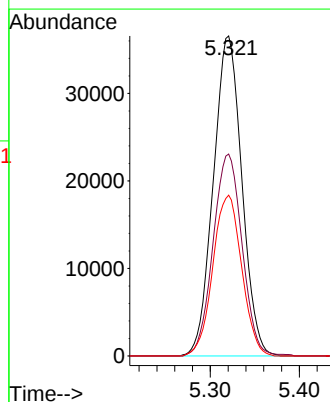
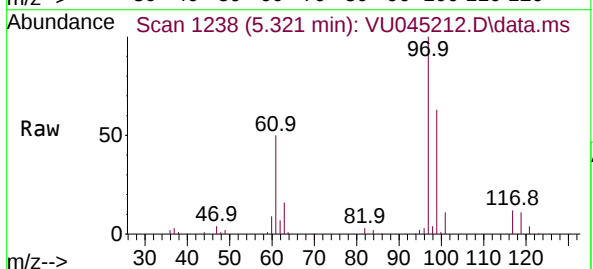
Tgt Ion: 83 Resp: 3350
Ion Ratio Lower Upper
83 100
85 69.4 45.6 84.6

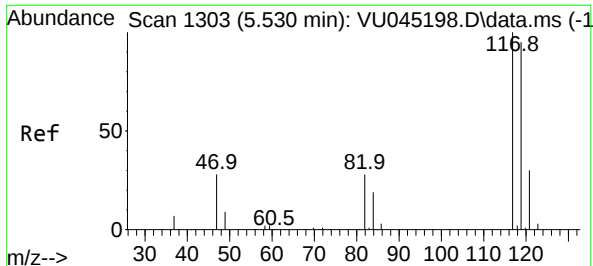


#30

1,1,1-Trichloroethane
Concen: 20.655 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU045212.D
Acq: 07 Oct 2021 15:17

Tgt Ion: 97 Resp: 81435
Ion Ratio Lower Upper
97 100
99 64.2 50.6 75.8
61 50.8 41.3 61.9

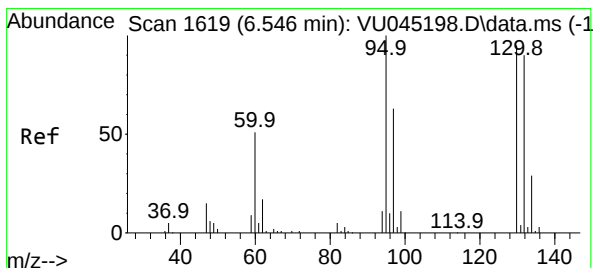
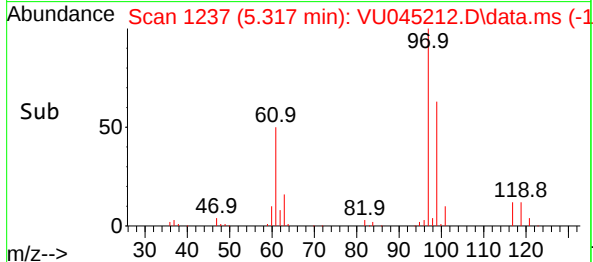
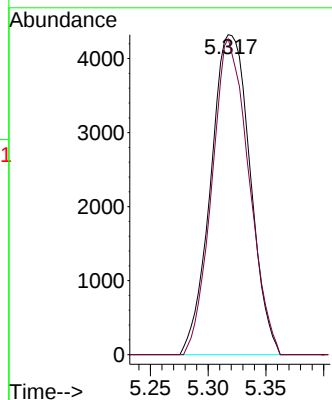
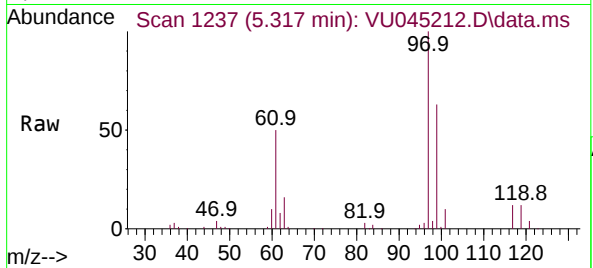




#31
Carbon tetrachloride
Concen: 3.287 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. -0.212 min
Lab File: VU045212.D
Acq: 07 Oct 2021 15:17

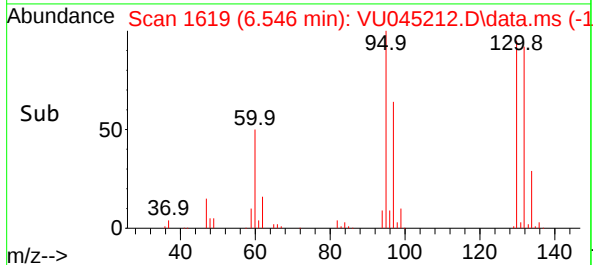
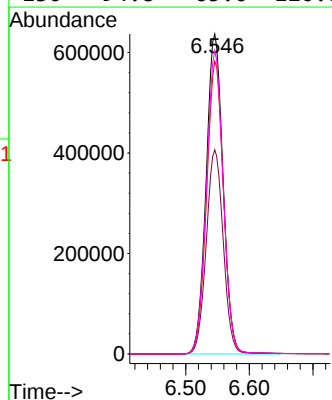
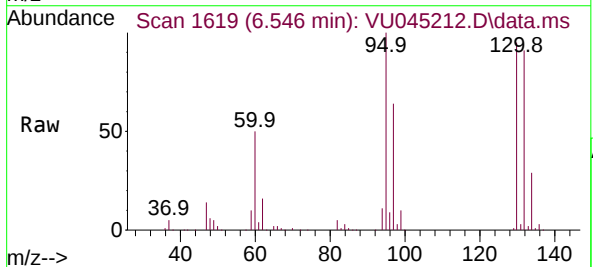
Instrument :
MSVOA_U
ClientSampled :

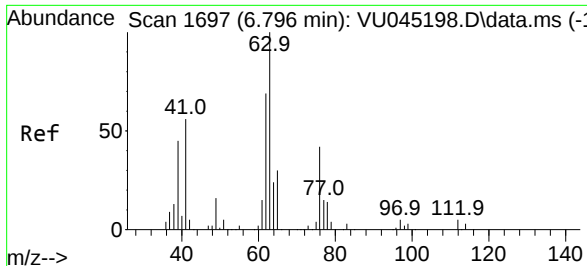
Tgt Ion:117 Resp: 10237
Ion Ratio Lower Upper
117 100
119 92.6 77.7 116.5



#34
Trichloroethene
Concen: 464.445 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045212.D
Acq: 07 Oct 2021 15:17

Tgt Ion: 95 Resp: 1178430
Ion Ratio Lower Upper
95 100
97 63.8 44.4 82.4
132 91.4 62.9 116.9
130 94.8 65.0 120.8



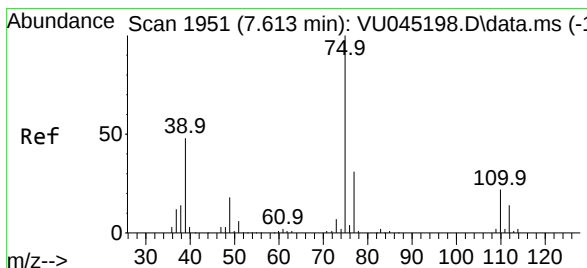
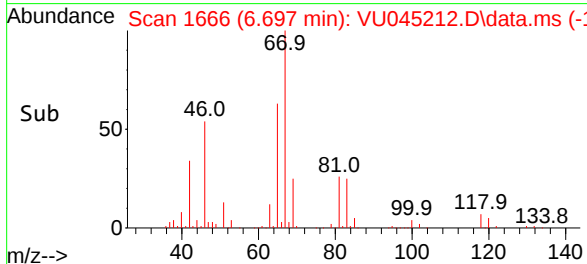
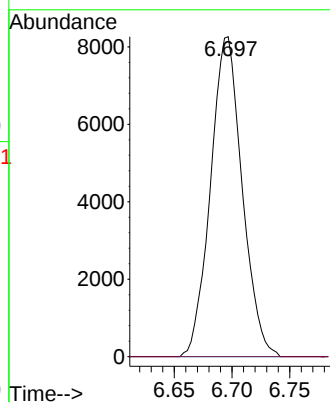
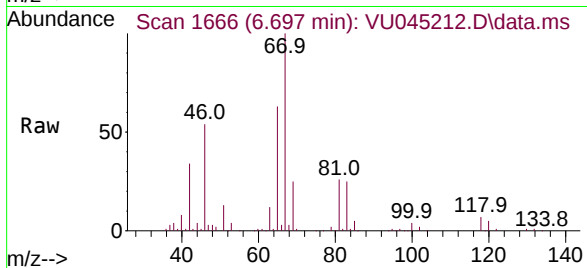


#37

1,2-Dichloropropane
Concen: 5.477 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU045212.D
Acq: 07 Oct 2021 15:17

Instrument :
MSVOA_U
ClientSampled :

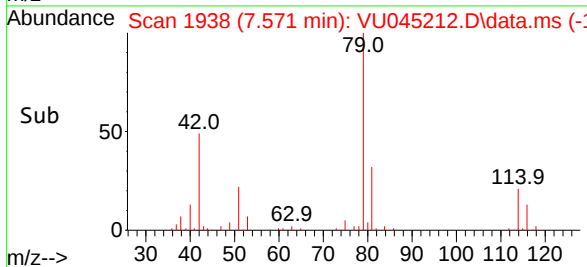
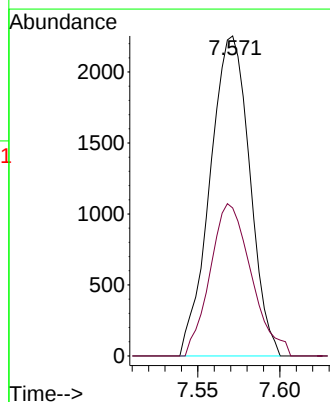
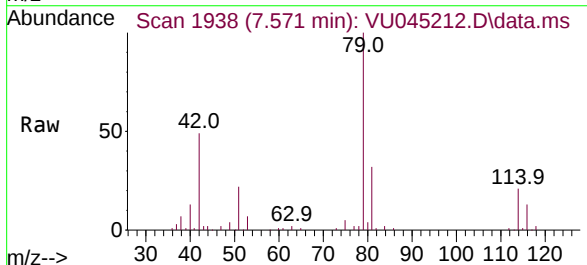
Tgt Ion: 63 Resp: 15753
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

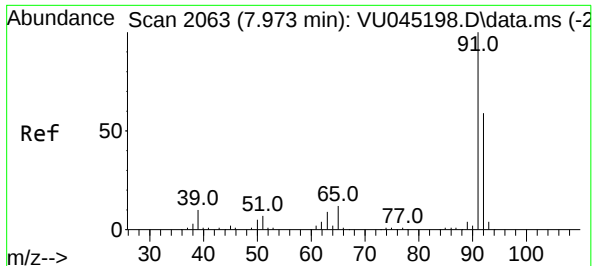


#39

cis-1,3-Dichloropropene
Concen: 0.920 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU045212.D
Acq: 07 Oct 2021 15:17

Tgt Ion: 75 Resp: 3785
Ion Ratio Lower Upper
75 100
77 46.2 22.4 41.6#

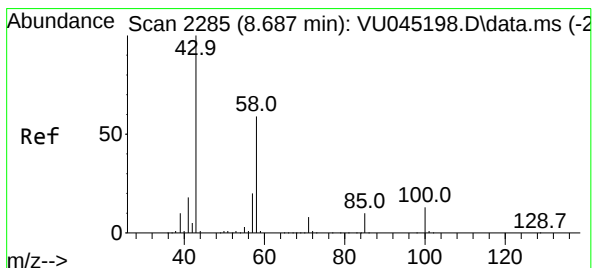
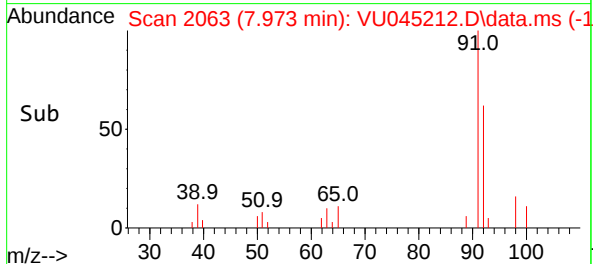
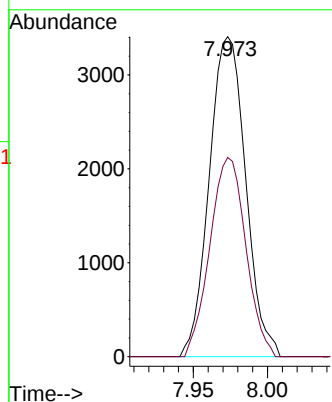
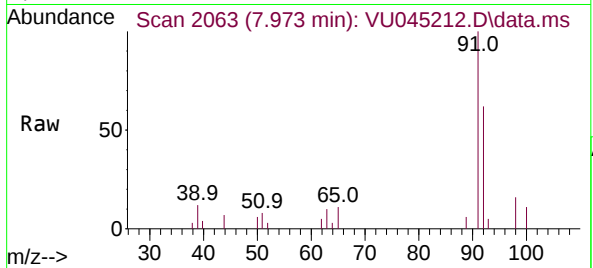




#42
Toluene
Concen: 0.541 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045212.D
Acq: 07 Oct 2021 15:17

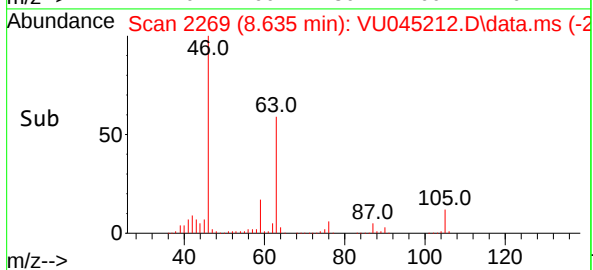
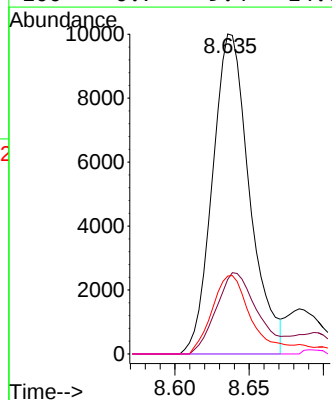
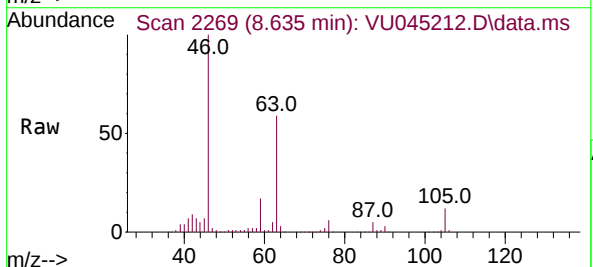
Instrument :
MSVOA_U
ClientSampled :

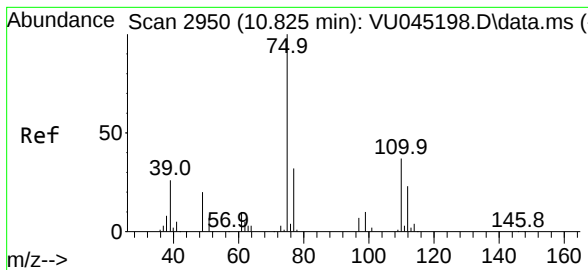
Tgt Ion: 91 Resp: 5812
Ion Ratio Lower Upper
91 100
92 62.3 40.5 75.1



#48
2-Hexanone
Concen: 4.078 ug/L
RT: 8.635 min Scan# 2269
Delta R.T. -0.052 min
Lab File: VU045212.D
Acq: 07 Oct 2021 15:17

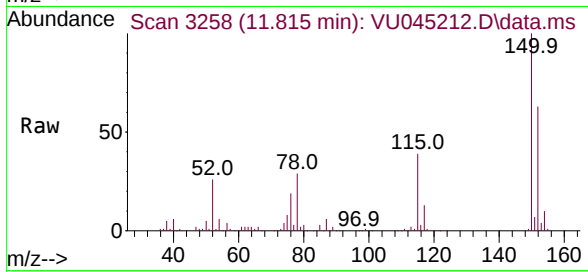
Tgt Ion: 43 Resp: 17375
Ion Ratio Lower Upper
43 100
58 28.1 44.9 67.3#
57 26.0 15.5 23.3#
100 0.7 9.4 14.0#





#60
 1,2,3-Trichloropropane
 Concen: 4.814 ug/L
 RT: 11.815 min Scan# 3258
 Delta R.T. 0.990 min
 Lab File: VU045212.D
 Acq: 07 Oct 2021 15:17

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	75	Resp:	16438
Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.5	38.3
110	1.7	29.0	43.4#

