

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100821\
 Data File : VU045252.D
 Acq On : 08 Oct 2021 15:29
 Operator : SY/MD
 Sample : M4023-05DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 09 05:32:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 09 05:29:23 2021
 Response via : Initial Calibration

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

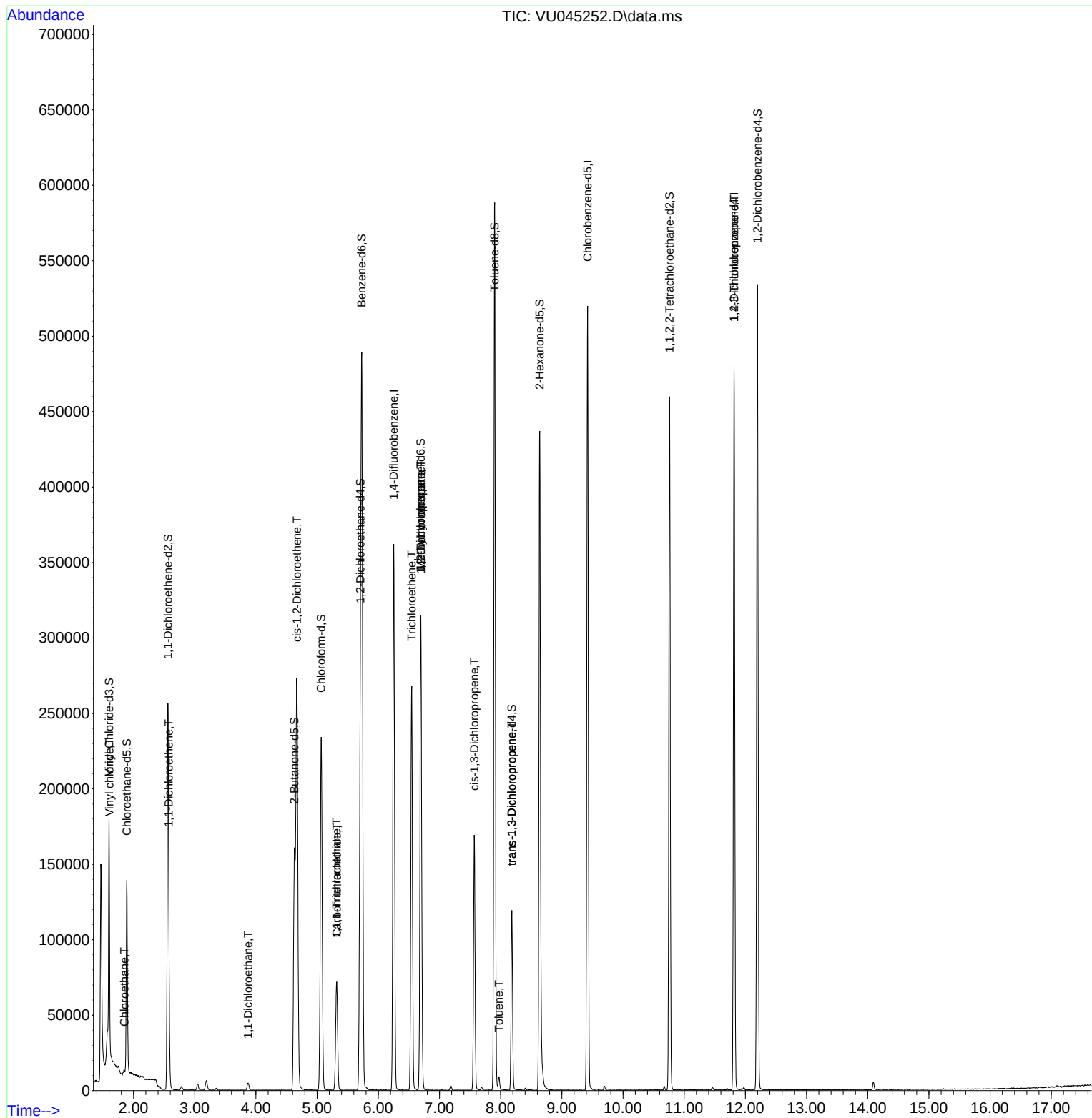
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	280225	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	274362	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	117357	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	99601	32.468	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.940%
7) Chloroethane-d5	1.890	69	97375	40.057	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.120%
11) 1,1-Dichloroethene-d2	2.562	63	150014	29.120	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.240%#
21) 2-Butanone-d5	4.629	46	219245	90.403	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.400%
24) Chloroform-d	5.067	84	210556	43.458	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.920%
26) 1,2-Dichloroethane-d4	5.707	65	151497	46.162	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.320%
32) Benzene-d6	5.729	84	434181	45.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.220%
36) 1,2-Dichloropropane-d6	6.694	67	143688	46.288	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.580%
41) Toluene-d8	7.903	98	371955	45.273	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.540%
43) trans-1,3-Dichloroprop...	8.182	79	62708	45.412	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.820%
47) 2-Hexanone-d5	8.636	63	153573	89.272	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.270%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	227127	46.987	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.980%
66) 1,2-Dichlorobenzene-d4	12.198	152	134226	52.555	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.100%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	1867	0.570	ug/L #	1
8) Chloroethane	1.851	64	2929	1.424	ug/L #	51
12) 1,1-Dichloroethene	2.575	96	13510	6.226	ug/L #	1
19) 1,1-Dichloroethane	3.871	63	5967	1.255	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	132951	52.780	ug/L	92
30) 1,1,1-Trichloroethane	5.317	97	50968	13.420	ug/L	99
31) Carbon tetrachloride	5.321	117	6544	2.182	ug/L	95
34) Trichloroethene	6.546	95	91535	37.450	ug/L	99
35) Methylcyclohexane	6.694	83	33111	8.092	ug/L #	20
37) 1,2-Dichloropropane	6.697	63	16042	5.790	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	3648	0.920	ug/L #	65
42) Toluene	7.973	91	5802	0.561	ug/L	96
44) trans-1,3-Dichloropropene	8.182	75	2911	0.772	ug/L	91
60) 1,2,3-Trichloropropane	11.816	75	15781	4.862	ug/L #	68

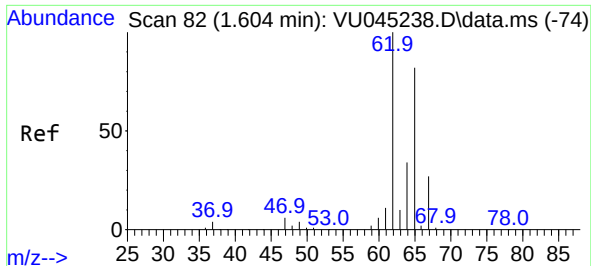
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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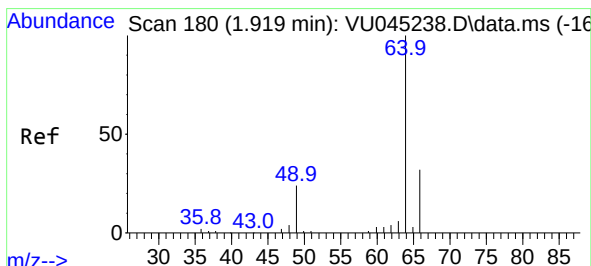
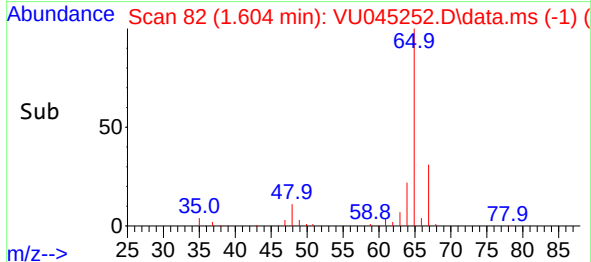
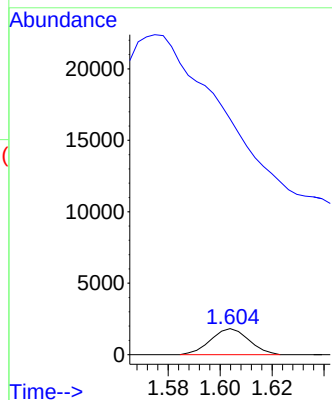
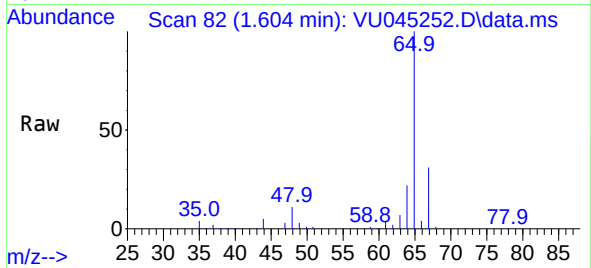




#5
 Vinyl chloride
 Concen: 0.570 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU045252.D
 Acq: 08 Oct 2021 15:29

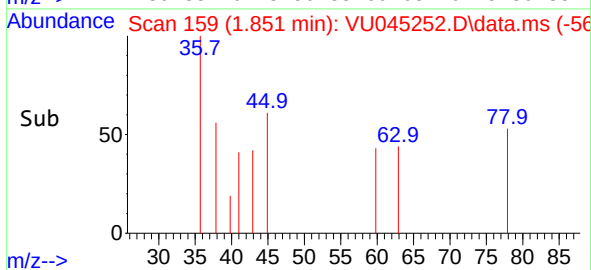
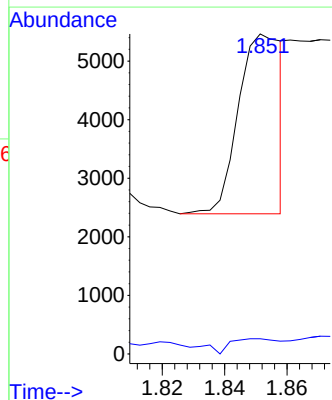
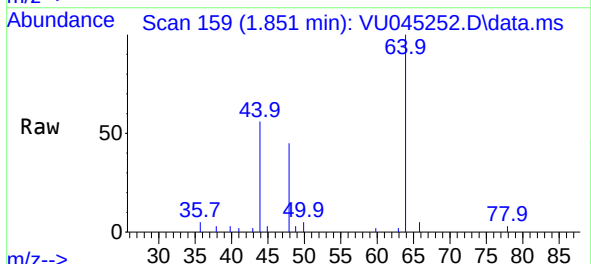
Instrument :
 MSVOA_U
 ClientSampled :

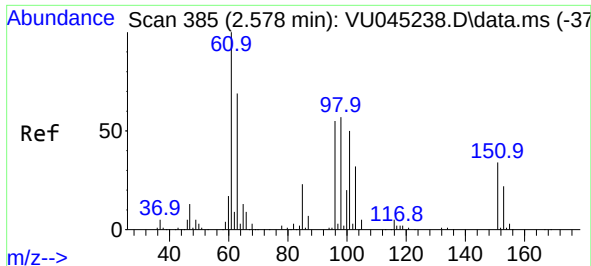
Tgt Ion: 62 Resp: 1867
 Ion Ratio Lower Upper
 62 100
 64 905.4 23.4 43.6#



#8
 Chloroethane
 Concen: 1.424 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.067 min
 Lab File: VU045252.D
 Acq: 08 Oct 2021 15:29

Tgt Ion: 64 Resp: 2929
 Ion Ratio Lower Upper
 64 100
 66 4.8 22.3 41.3#

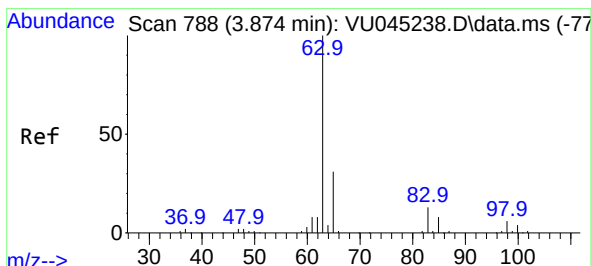
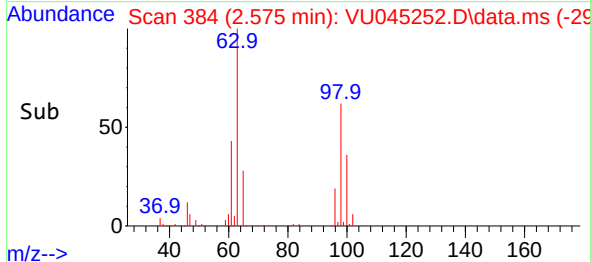
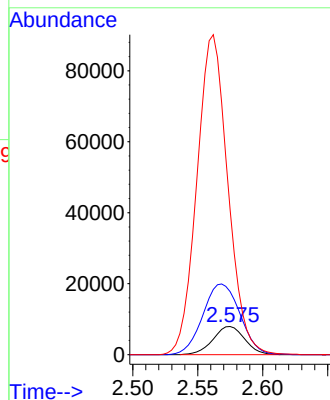
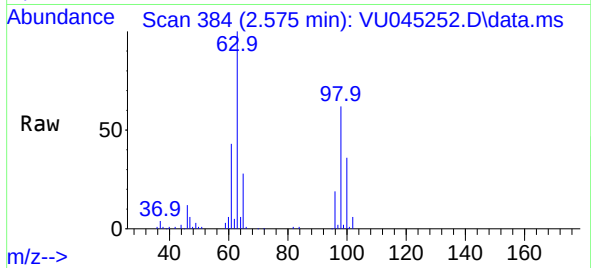




#12
1,1-Dichloroethene
Concen: 6.226 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU045252.D
Acq: 08 Oct 2021 15:29

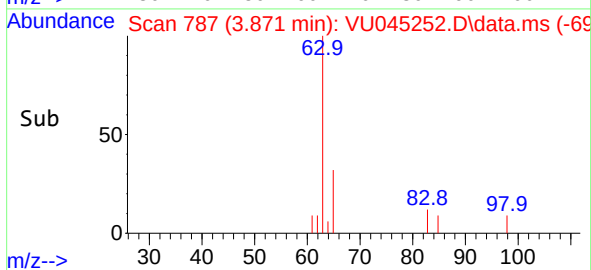
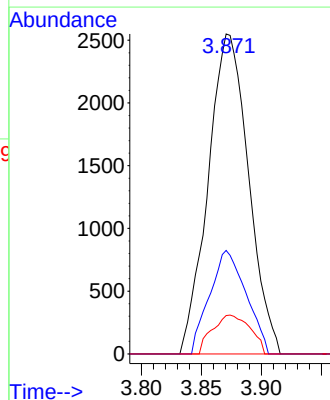
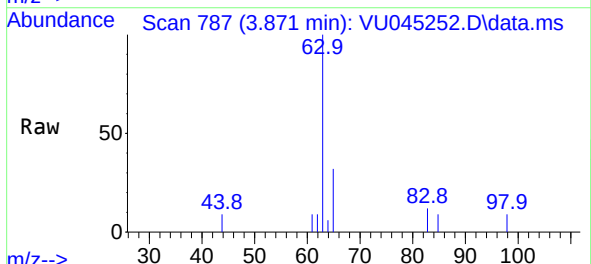
Instrument :
MSVOA_U
ClientSampleId :

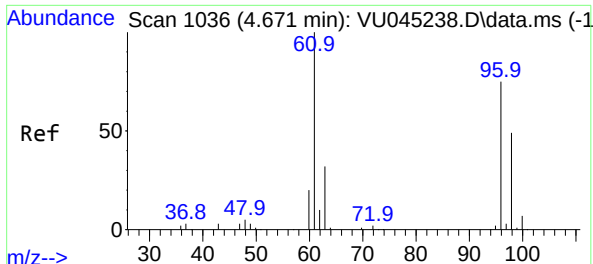
Tgt Ion: 96 Resp: 13510
Ion Ratio Lower Upper
96 100
61 223.2 131.3 243.9
63 513.6 102.5 190.3#



#19
1,1-Dichloroethane
Concen: 1.255 ug/L
RT: 3.871 min Scan# 787
Delta R.T. -0.003 min
Lab File: VU045252.D
Acq: 08 Oct 2021 15:29

Tgt Ion: 63 Resp: 5967
Ion Ratio Lower Upper
63 100
65 32.4 22.0 40.8
83 12.0 9.0 16.6

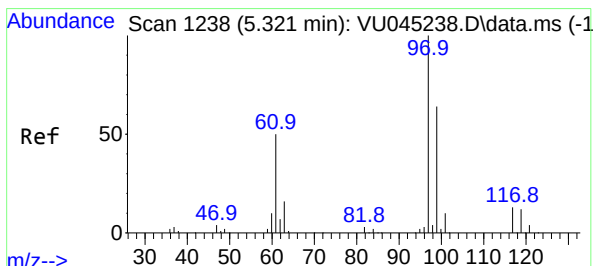
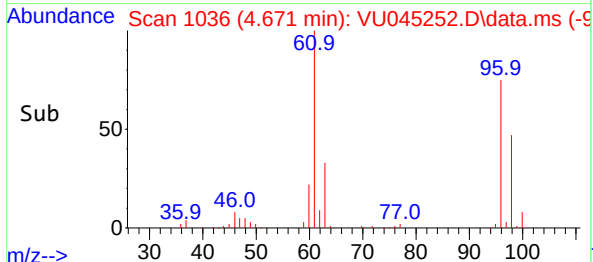
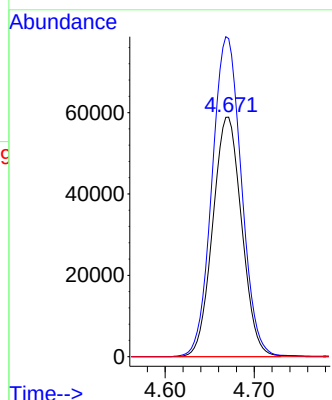
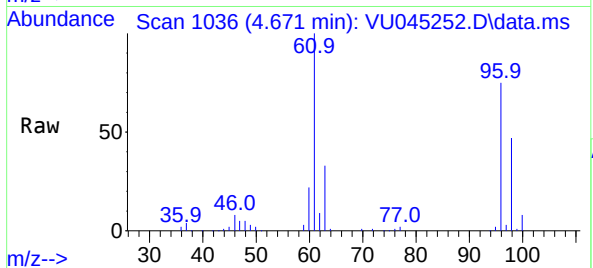




#20
cis-1,2-Dichloroethene
Concen: 52.780 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU045252.D
Acq: 08 Oct 2021 15:29

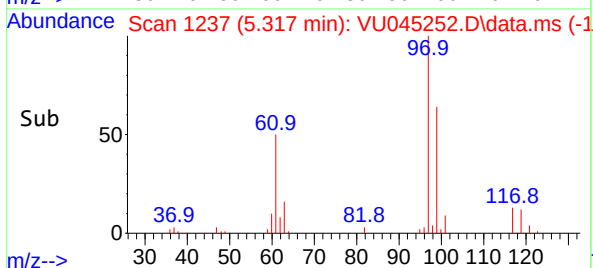
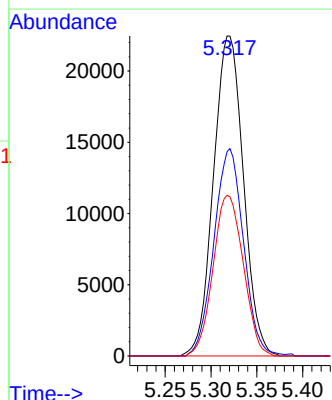
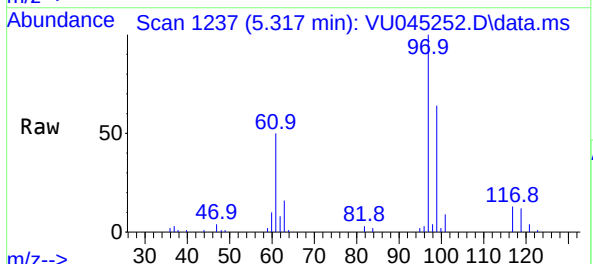
Instrument :
MSVOA_U
ClientSampleId :

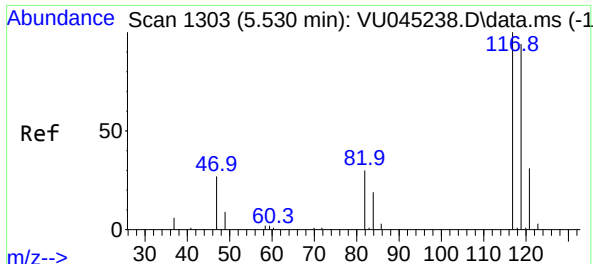
Tgt Ion: 96 Resp: 132951
Ion Ratio Lower Upper
96 100
61 132.8 100.2 186.0
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 13.420 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VU045252.D
Acq: 08 Oct 2021 15:29

Tgt Ion: 97 Resp: 50968
Ion Ratio Lower Upper
97 100
99 64.1 50.6 75.8
61 50.7 41.3 61.9

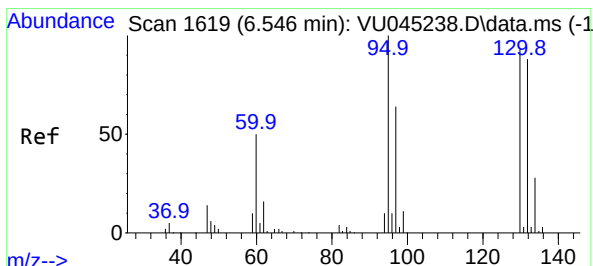
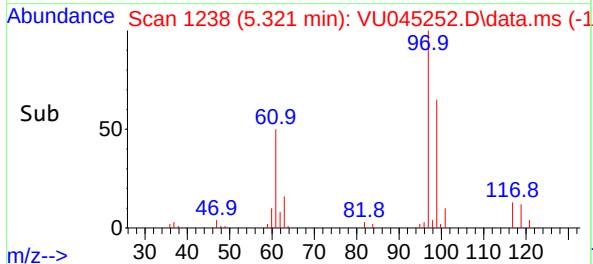
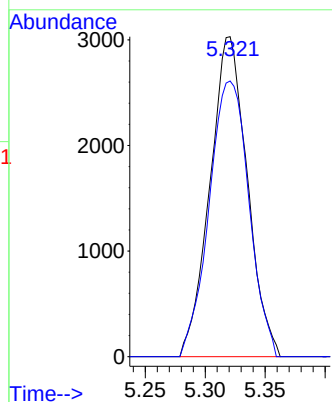
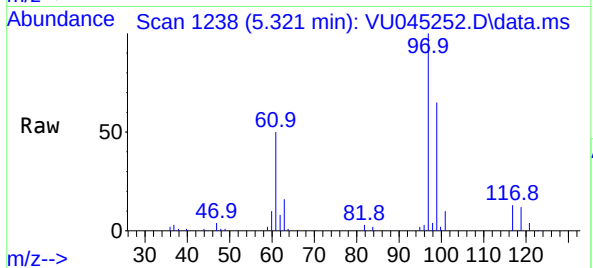




#31
Carbon tetrachloride
Concen: 2.182 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU045252.D
Acq: 08 Oct 2021 15:29

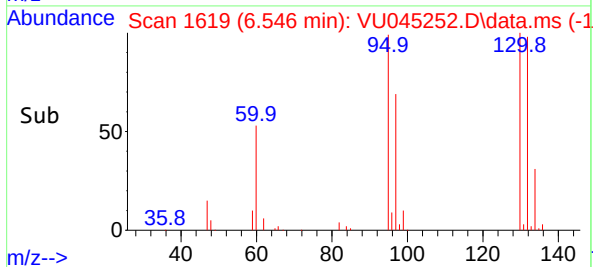
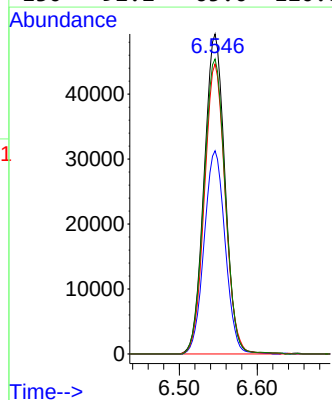
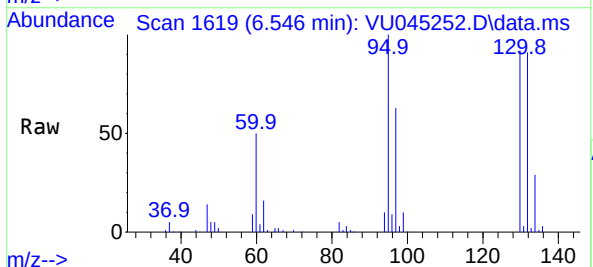
Instrument :
MSVOA_U
ClientSampleId :

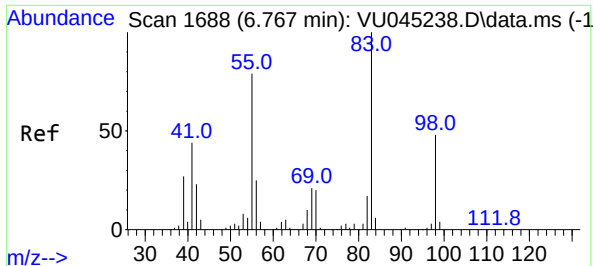
Tgt Ion:117 Resp: 6544
Ion Ratio Lower Upper
117 100
119 91.9 77.7 116.5



#34
Trichloroethene
Concen: 37.450 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045252.D
Acq: 08 Oct 2021 15:29

Tgt Ion: 95 Resp: 91535
Ion Ratio Lower Upper
95 100
97 63.5 44.4 82.4
132 90.7 62.9 116.9
130 92.2 65.0 120.8





#35

Methylcyclohexane

Concen: 8.092 ug/L

RT: 6.694 min Scan# 1665

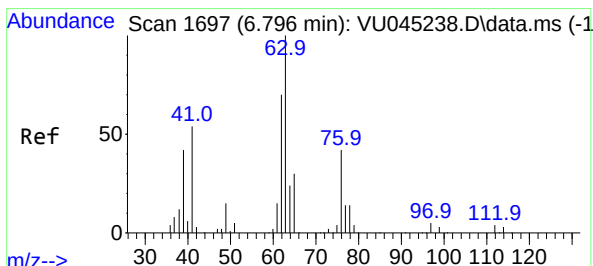
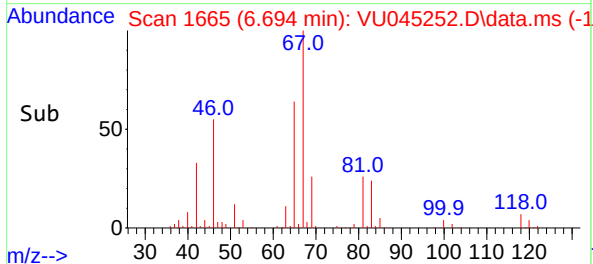
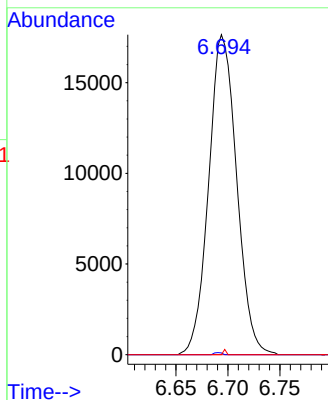
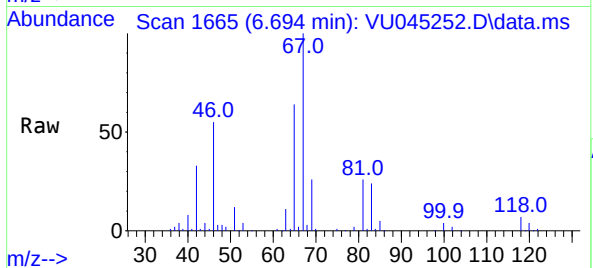
Delta R.T. -0.074 min

Lab File: VU045252.D

Acq: 08 Oct 2021 15:29

Tgt Ion:	83	Resp:	33111
Ion	Ratio	Lower	Upper
83	100		
55	0.2	65.8	98.6#
98	7.7	37.1	55.7#

Instrument :
MSVOA_U
ClientSampled :



#37

1,2-Dichloropropane

Concen: 5.790 ug/L

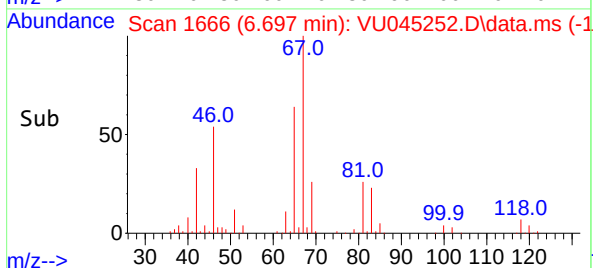
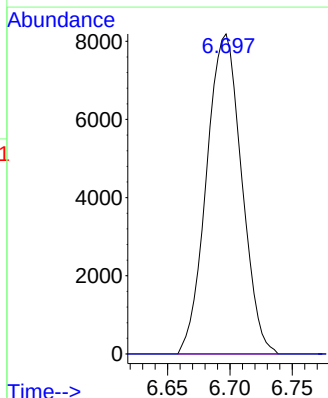
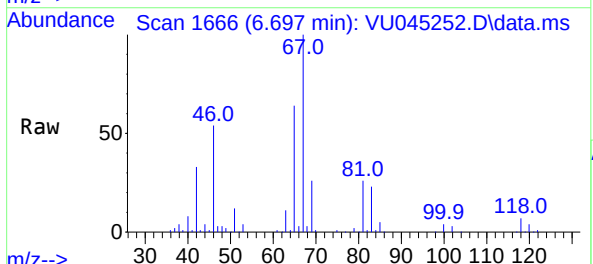
RT: 6.697 min Scan# 1666

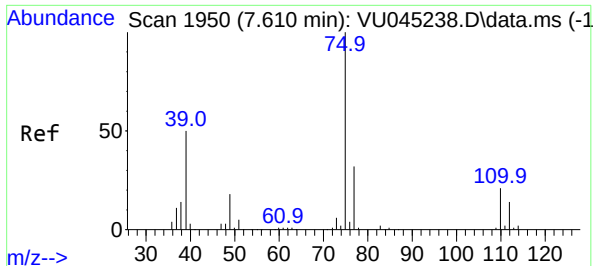
Delta R.T. -0.100 min

Lab File: VU045252.D

Acq: 08 Oct 2021 15:29

Tgt Ion:	63	Resp:	16042
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.2	4.8#



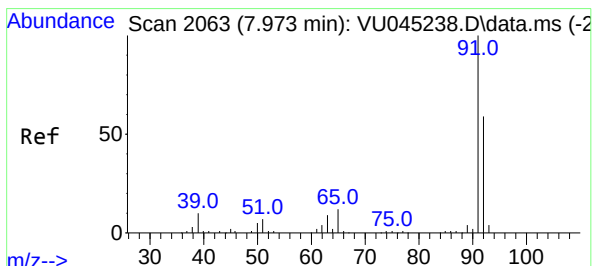
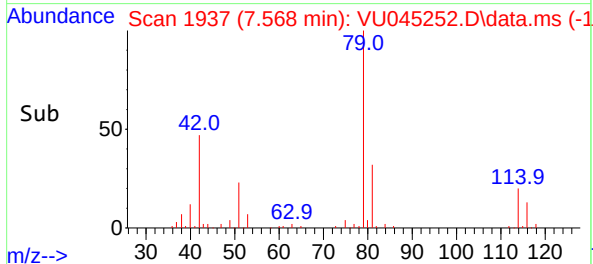
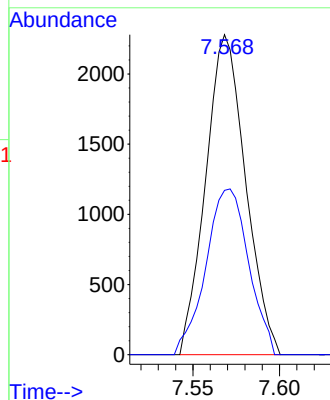
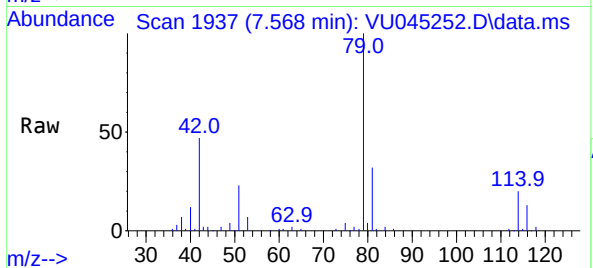


#39

cis-1,3-Dichloropropene
Concen: 0.920 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU045252.D
Acq: 08 Oct 2021 15:29

Instrument :
MSVOA_U
ClientSampled :

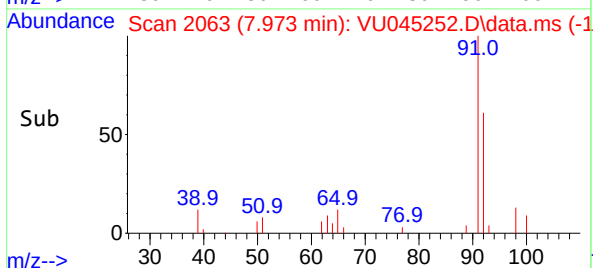
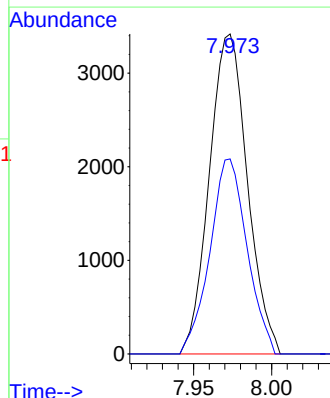
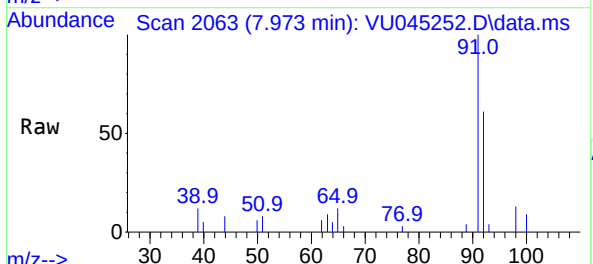
Tgt Ion: 75 Resp: 3648
Ion Ratio Lower Upper
75 100
77 51.4 22.4 41.6#

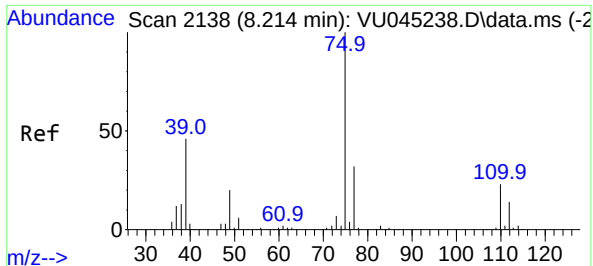


#42

Toluene
Concen: 0.561 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045252.D
Acq: 08 Oct 2021 15:29

Tgt Ion: 91 Resp: 5802
Ion Ratio Lower Upper
91 100
92 60.9 40.5 75.1

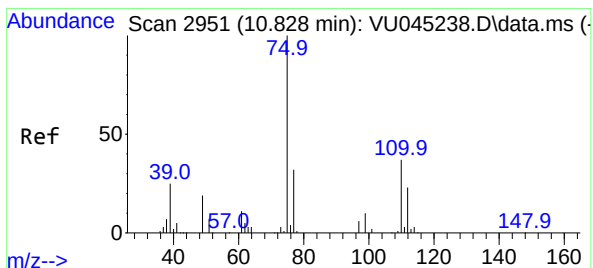
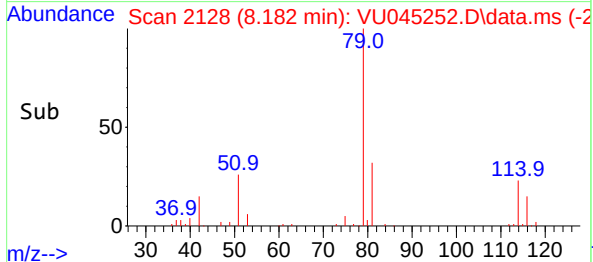
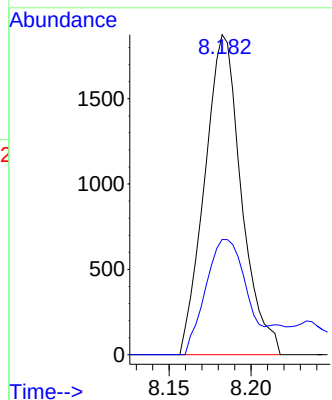
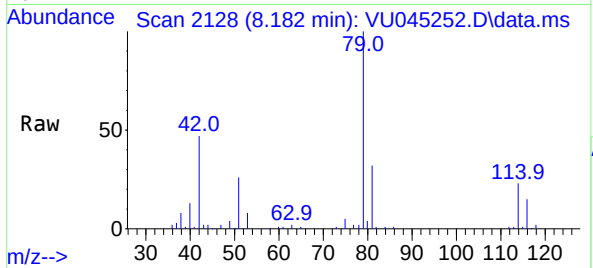




#44
trans-1,3-Dichloropropene
Concen: 0.772 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045252.D
Acq: 08 Oct 2021 15:29

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 2911
Ion Ratio Lower Upper
75 100
77 36.0 21.7 40.3



#60
1,2,3-Trichloropropane
Concen: 4.862 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.987 min
Lab File: VU045252.D
Acq: 08 Oct 2021 15:29

Tgt Ion: 75 Resp: 15781
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3
110 1.4 29.0 43.4#

