

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061523\
 Data File : VU054540.D
 Acq On : 15 Jun 2023 21:54
 Operator : MD/SY
 Sample : 03253-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYW9

Quant Time: Jun 16 02:43:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 14 00:05:43 2023
 Response via : Initial Calibration

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

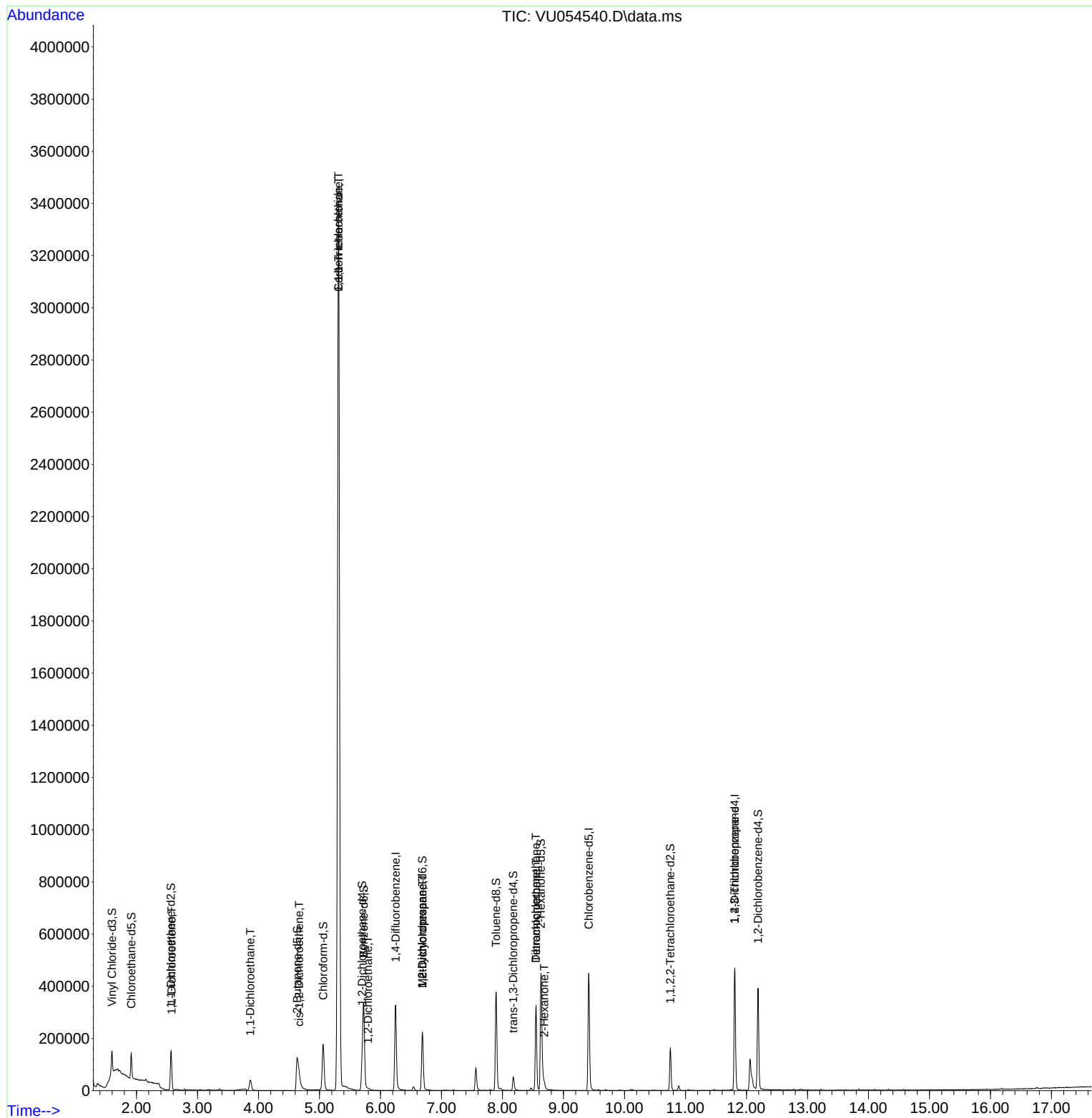
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	276334	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	262722	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	128177	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	60283	3.428	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.600%
7) Chloroethane-d5	1.914	69	75651	4.595	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.563	65	29346	3.736	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.800%
20) 2-Butanone-d5	4.634	46	236452	47.821	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.640%
24) Chloroform-d	5.062	84	166421	4.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.698	65	83526	4.661	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
32) Benzene-d6	5.724	84	321019	4.396	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.685	67	114081	4.677	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.600%
41) Toluene-d8	7.894	98	261625	4.037	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.800%
43) trans-1,3-Dichloroprop...	8.177	79	32302	3.809	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.200%
46) 2-Hexanone-d5	8.631	63	158855	44.644	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.280%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	83066	4.567	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	104967	4.855	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.573	96	2567	0.128	ug/L #	1
19) 1,1-Dichloroethane	3.865	63	48503	1.133	ug/L	97
22) cis-1,2-Dichloroethene	4.666	96	11744	0.498	ug/L	92
27) 1,2-Dichloroethane	5.795	62	3598	0.145	ug/L #	75
29) 1,1,1-Trichloroethane	5.312	97	2510649	70.474	ug/L	98
31) Carbon tetrachloride	5.312	117	327758	10.677	ug/L	99
35) Methylcyclohexane	6.685	83	25165	0.667	ug/L #	16
37) 1,2-Dichloropropane	6.685	63	12045	0.472	ug/L #	90
47) Tetrachloroethene	8.550	164	72987	3.819	ug/L	97
48) 2-Hexanone	8.685	43	13248	1.305	ug/L #	89
49) Dibromochloromethane	8.547	129	71046	4.166	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	16146	1.246	ug/L #	70

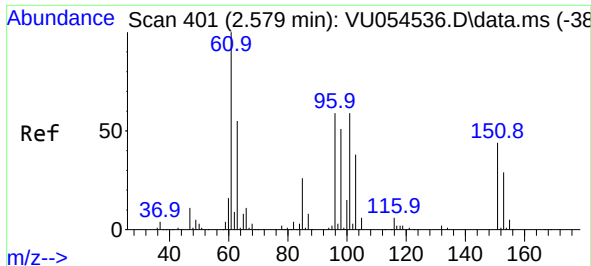
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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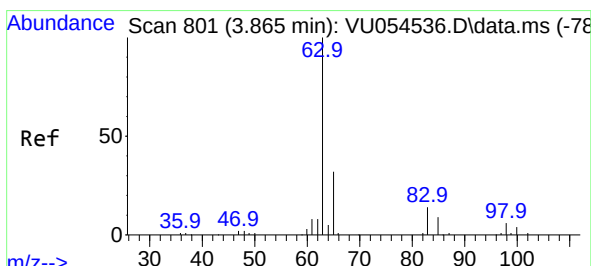
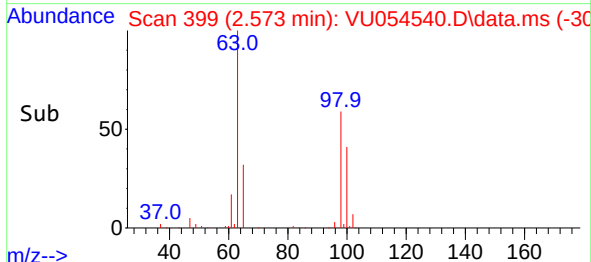
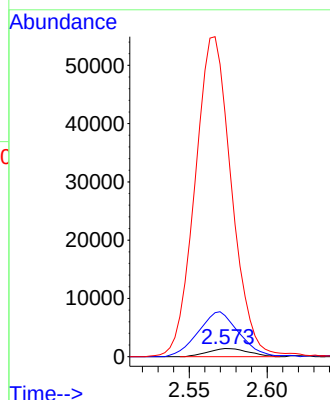
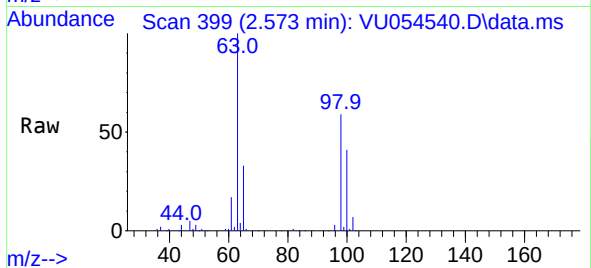




#12
1,1-Dichloroethene
Concen: 0.128 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.006 min
Lab File: VU054540.D
Acq: 15 Jun 2023 21:54

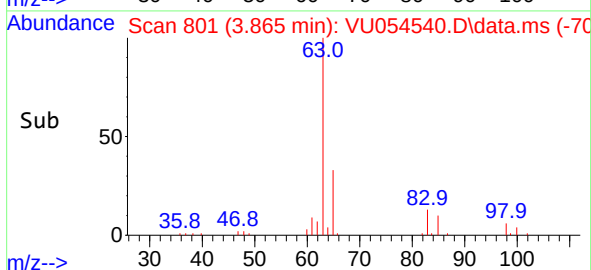
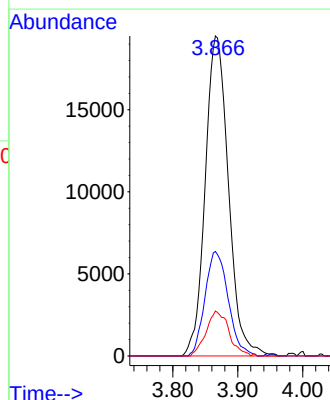
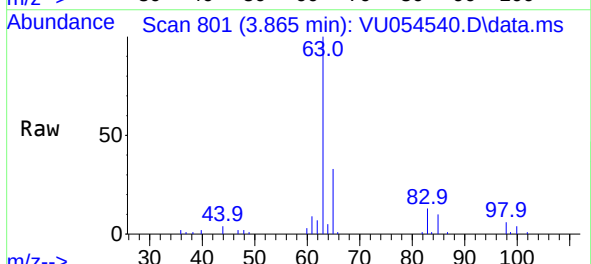
Instrument :
MSVOA_U
ClientSampleId :
EXYW9

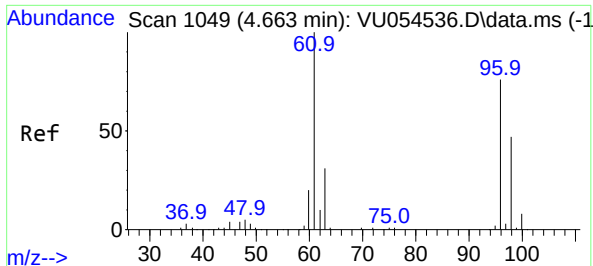
Tgt Ion: 96 Resp: 2567
Ion Ratio Lower Upper
96 100
61 499.5 119.9 222.7#
63 2964.3 64.3 119.3#



#19
1,1-Dichloroethane
Concen: 1.133 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU054540.D
Acq: 15 Jun 2023 21:54

Tgt Ion: 63 Resp: 48503
Ion Ratio Lower Upper
63 100
65 33.4 22.2 41.2
83 14.1 9.0 16.6



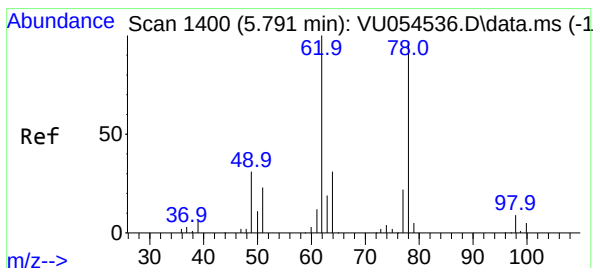
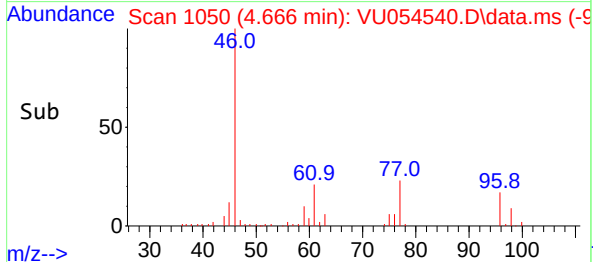
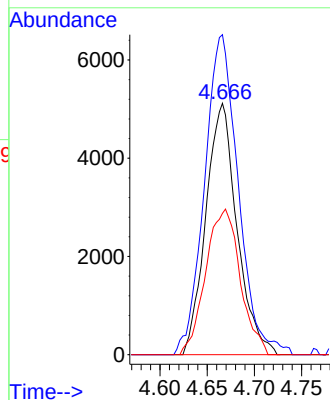
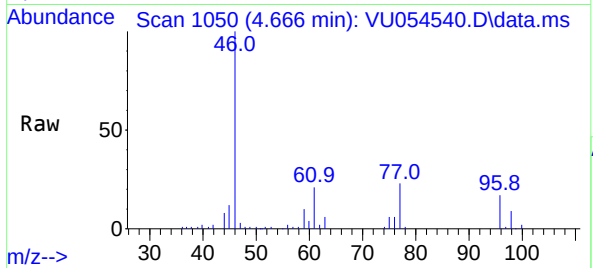


#22
 cis-1,2-Dichloroethene
 Concen: 0.498 ug/L
 RT: 4.666 min Scan# 1049
 Delta R.T. 0.003 min
 Lab File: VU054540.D
 Acq: 15 Jun 2023 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYW9

Tgt Ion: 96 Resp: 11744

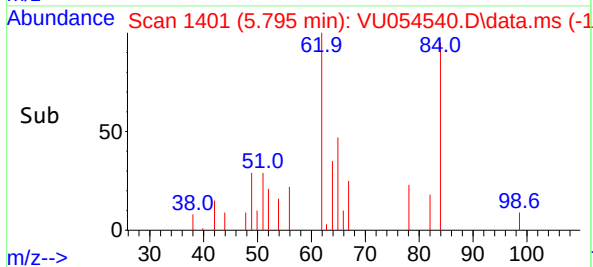
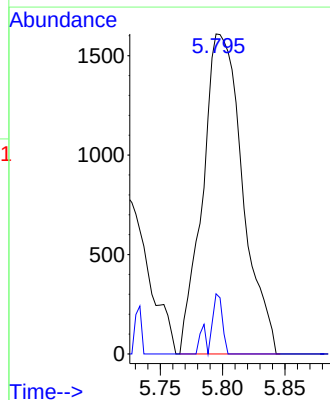
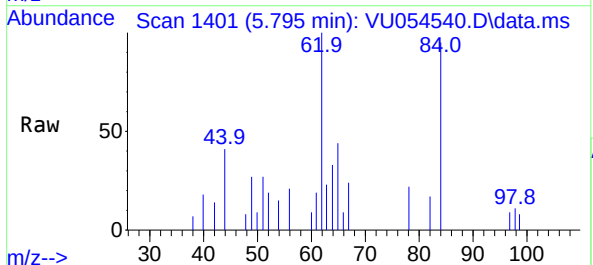
Ion	Ratio	Lower	Upper
96	100		
61	127.3	96.5	179.1
98	58.6	44.9	83.3

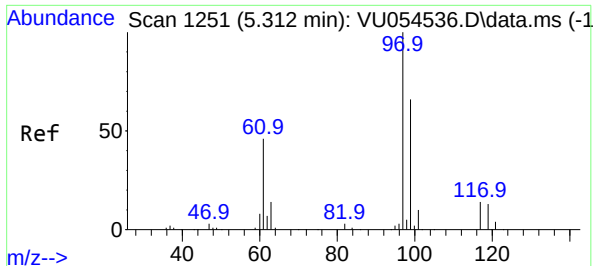


#27
 1,2-Dichloroethane
 Concen: 0.145 ug/L
 RT: 5.795 min Scan# 1401
 Delta R.T. 0.003 min
 Lab File: VU054540.D
 Acq: 15 Jun 2023 21:54

Tgt Ion: 62 Resp: 3598

Ion	Ratio	Lower	Upper
62	100		
98	18.8	7.8	11.6#

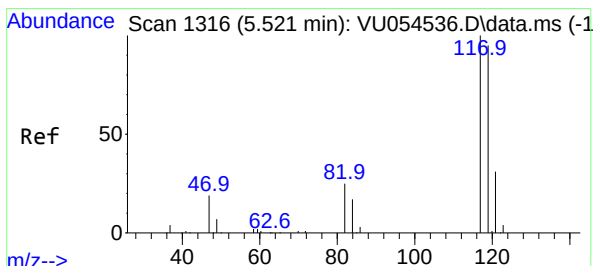
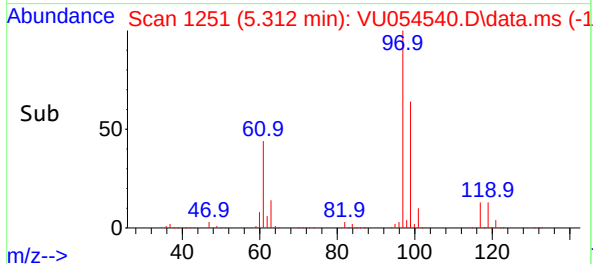
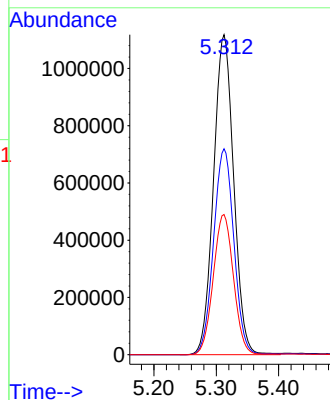
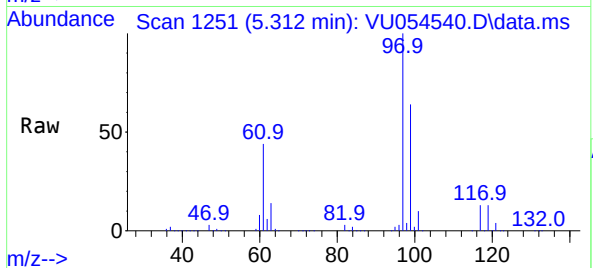




#29
1,1,1-Trichloroethane
Concen: 70.474 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VU054540.D
Acq: 15 Jun 2023 21:54

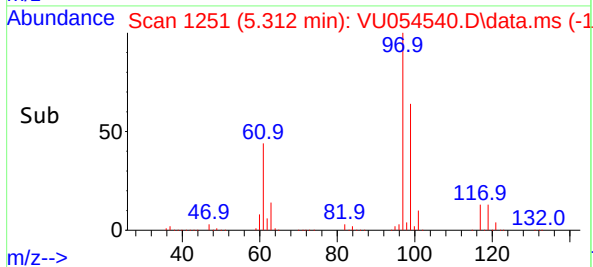
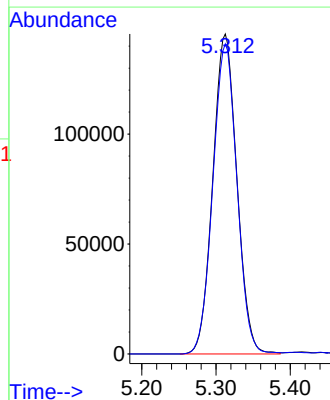
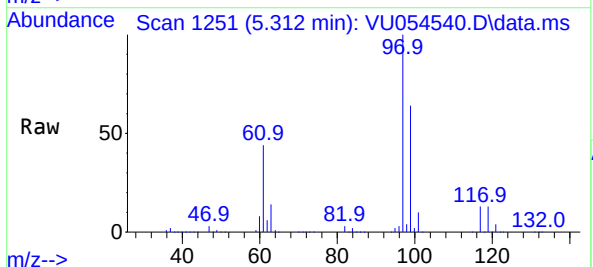
Instrument :
MSVOA_U
ClientSampleId :
EXYW9

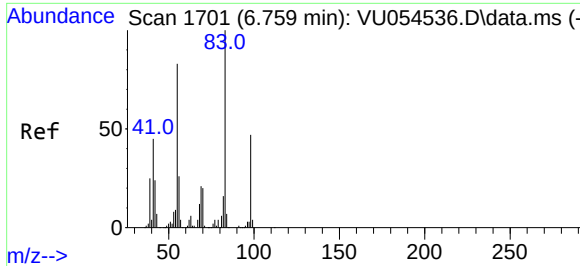
Tgt Ion: 97 Resp: 2510649
Ion Ratio Lower Upper
97 100
99 64.8 50.8 76.2
61 44.0 36.1 54.1



#31
Carbon tetrachloride
Concen: 10.677 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.209 min
Lab File: VU054540.D
Acq: 15 Jun 2023 21:54

Tgt Ion:117 Resp: 327758
Ion Ratio Lower Upper
117 100
119 97.1 76.8 115.2

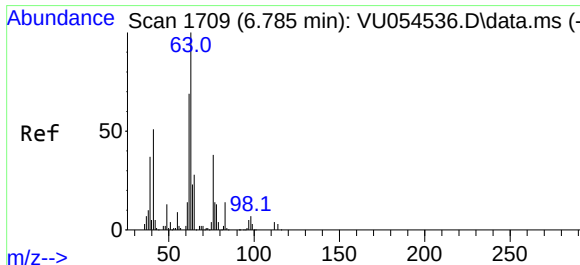
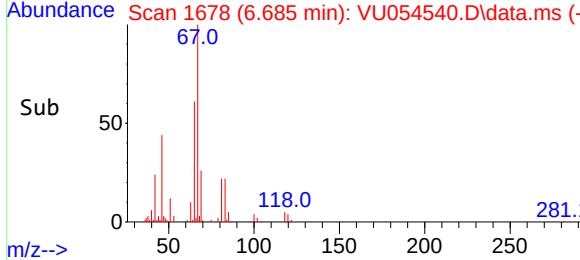
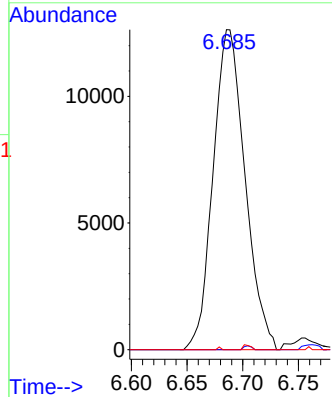
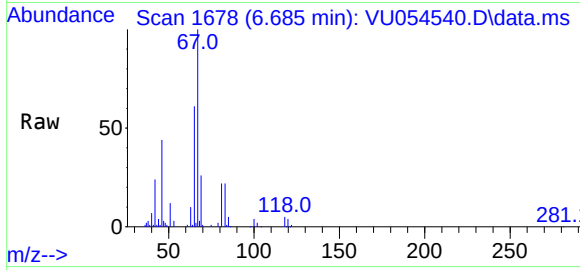




#35
Methylcyclohexane
Concen: 0.667 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU054540.D
Acq: 15 Jun 2023 21:54

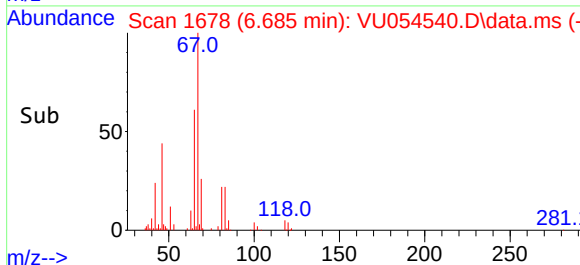
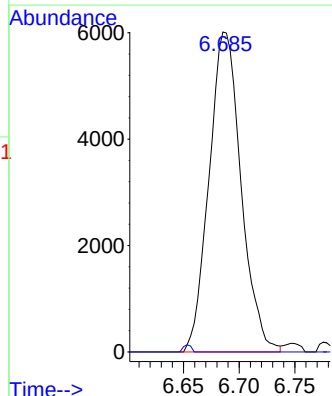
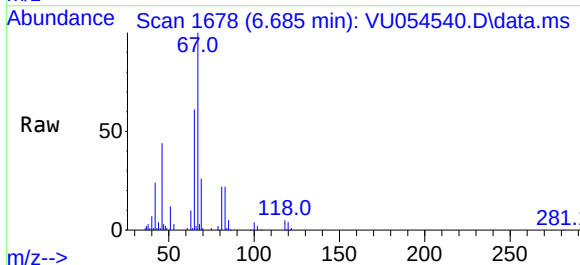
Instrument :
MSVOA_U
ClientSampleId :
EXYW9

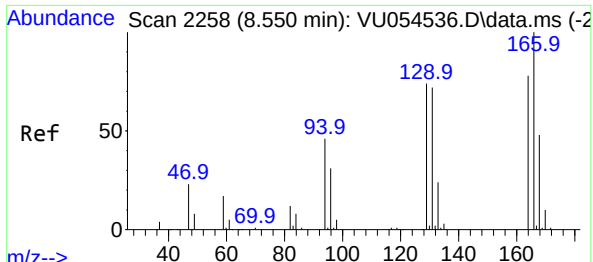
Tgt Ion:	83	Resp:	25165
Ion	Ratio	Lower	Upper
83	100		
55	0.0	67.1	100.7#
98	0.1	35.1	52.7#



#37
1,2-Dichloropropane
Concen: 0.472 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.103 min
Lab File: VU054540.D
Acq: 15 Jun 2023 21:54

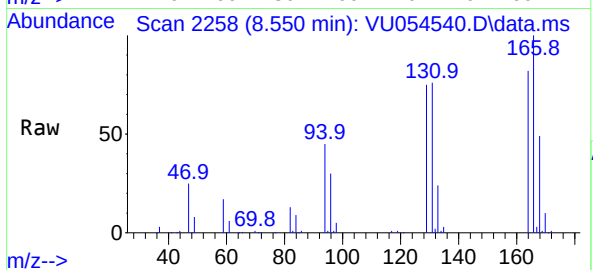
Tgt Ion:	63	Resp:	12045
Ion	Ratio	Lower	Upper
63	100		
112	0.6	3.0	4.6#





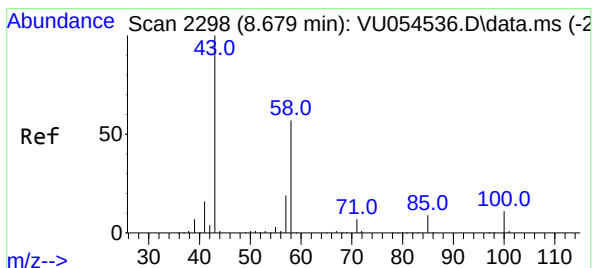
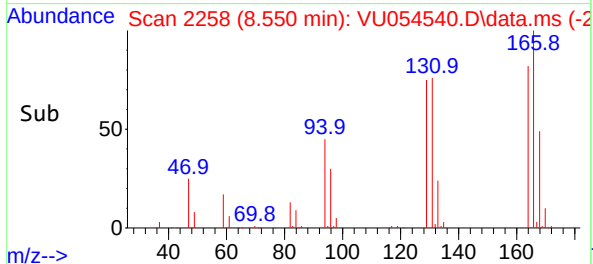
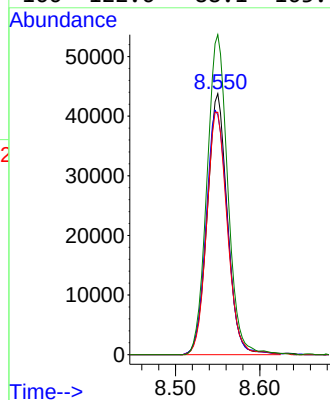
#47
Tetrachloroethene
Concen: 3.819 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054540.D
Acq: 15 Jun 2023 21:54

Instrument :
MSVOA_U
ClientSampleId :
EXYW9



Tgt Ion:164 Resp: 72987

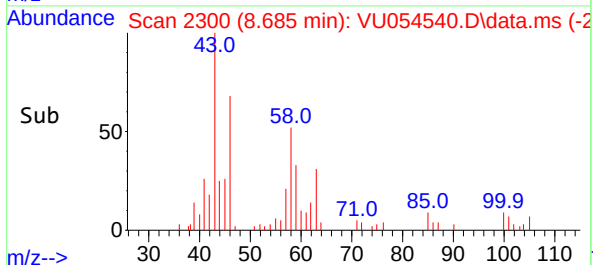
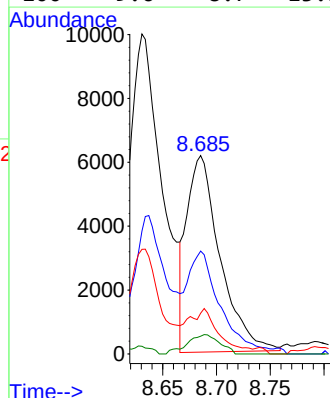
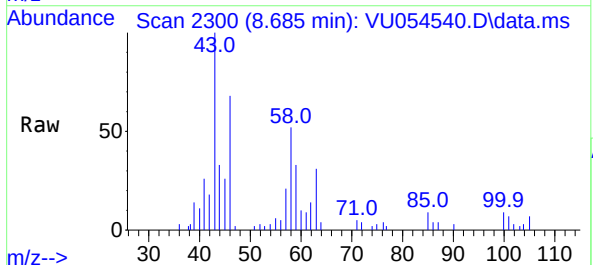
Ion	Ratio	Lower	Upper
164	100		
129	92.0	67.7	125.7
131	92.9	64.6	120.0
166	122.6	88.1	163.7

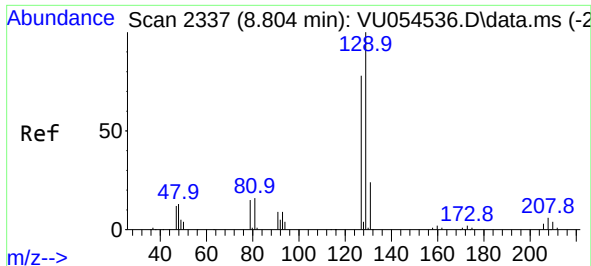


#48
2-Hexanone
Concen: 1.305 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU054540.D
Acq: 15 Jun 2023 21:54

Tgt Ion: 43 Resp: 13248

Ion	Ratio	Lower	Upper
43	100		
58	48.0	45.2	67.8
57	13.6	15.8	23.6#
100	9.6	8.7	13.1





#49

Dibromochloromethane

Concen: 4.166 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU054540.D

Acq: 15 Jun 2023 21:54

Instrument :

MSVOA_U

ClientSampleId :

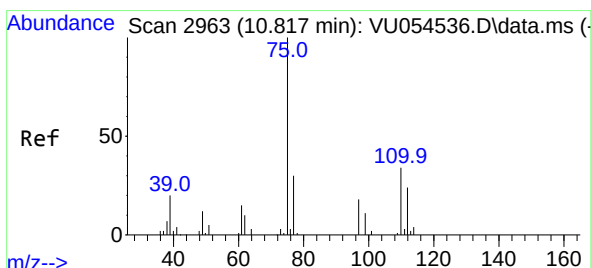
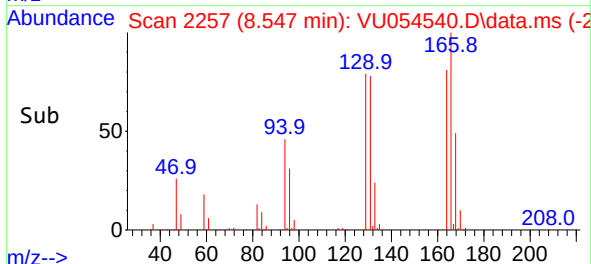
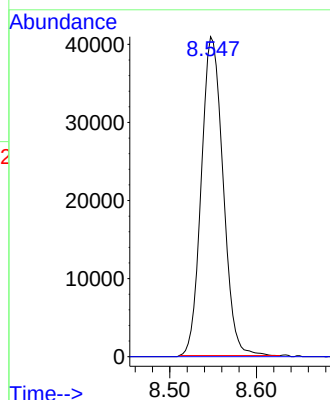
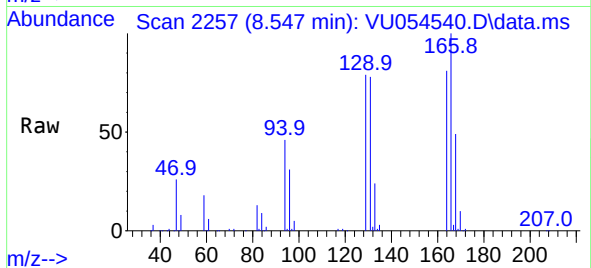
EXYW9

Tgt Ion:129 Resp: 71046

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#



#61

1,2,3-Trichloropropane

Concen: 1.246 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU054540.D

Acq: 15 Jun 2023 21:54

Tgt Ion: 75 Resp: 16146

Ion Ratio Lower Upper

75 100

110 2.2 28.0 42.0#

77 31.3 25.4 38.2

