

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061523\
 Data File : VU054539.D
 Acq On : 15 Jun 2023 21:30
 Operator : MD/SY
 Sample : 03253-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYW8

Quant Time: Jun 16 02:43:02 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)

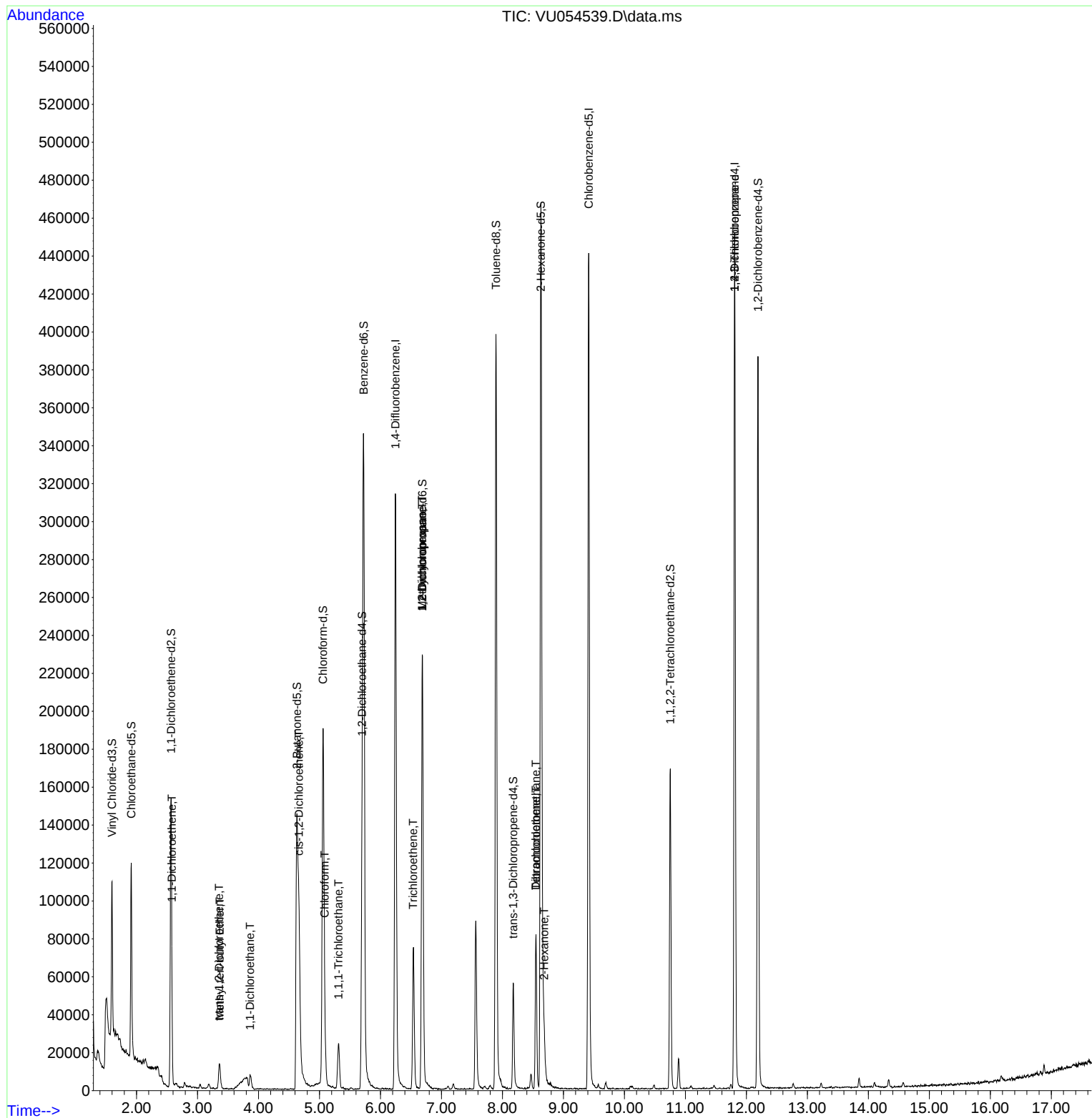
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	259278	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	256559	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123197	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	60166	3.646	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.000%
7) Chloroethane-d5	1.914	69	78751	5.097	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.000%
11) 1,1-Dichloroethene-d2	2.566	65	29076	3.945	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.000%
20) 2-Butanone-d5	4.631	46	246441	53.120	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.240%
24) Chloroform-d	5.058	84	174202	5.051	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
26) 1,2-Dichloroethane-d4	5.698	65	86842	5.165	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.400%
32) Benzene-d6	5.724	84	331628	4.650	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.688	67	118661	4.982	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.894	98	273891	4.327	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	8.177	79	33348	4.026	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.600%
46) 2-Hexanone-d5	8.631	63	165887	47.740	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.480%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	88903	5.006	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	104670	5.037	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.800%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.579	96	2908	0.155	ug/L #	1
17) Methyl tert-butyl Ether	3.364	73	9190	0.198	ug/L #	84
18) trans-1,2-Dichloroethene	3.354	96	2200	0.113	ug/L #	82
19) 1,1-Dichloroethane	3.862	63	9375	0.233	ug/L	93
22) cis-1,2-Dichloroethene	4.663	96	28826	1.304	ug/L	98
25) Chloroform	5.084	83	21194	0.535	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	17890	0.514	ug/L	98
34) Trichloroethene	6.537	95	26162	1.073	ug/L	89
35) Methylcyclohexane	6.685	83	24923	0.676	ug/L #	16
37) 1,2-Dichloropropane	6.685	63	12730	0.511	ug/L #	88
47) Tetrachloroethene	8.550	164	19702	1.056	ug/L	96
48) 2-Hexanone	8.685	43	12972	1.309	ug/L #	92
49) Dibromochloromethane	8.550	129	17794	1.068	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	15630	1.255	ug/L #	70

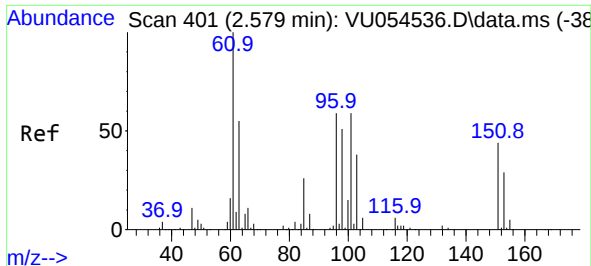
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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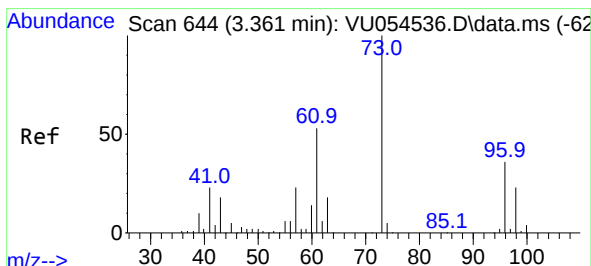
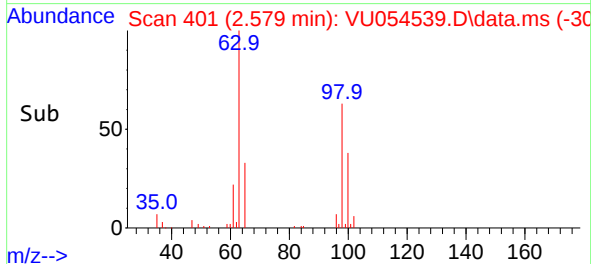
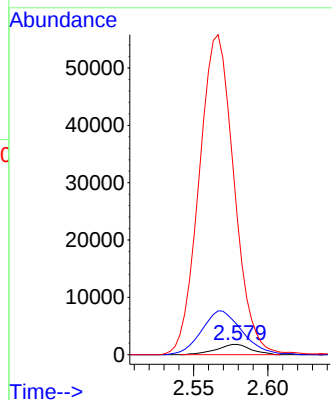
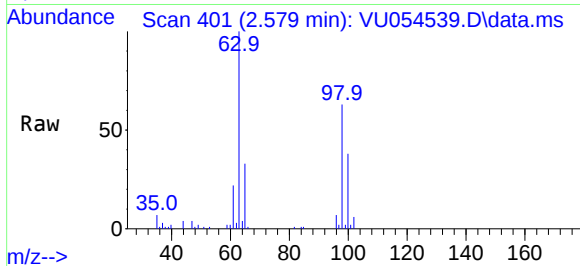




#12
1,1-Dichloroethene
Concen: 0.155 ug/L
RT: 2.579 min Scan# 401
Delta R.T. -0.000 min
Lab File: VU054539.D
Acq: 15 Jun 2023 21:30

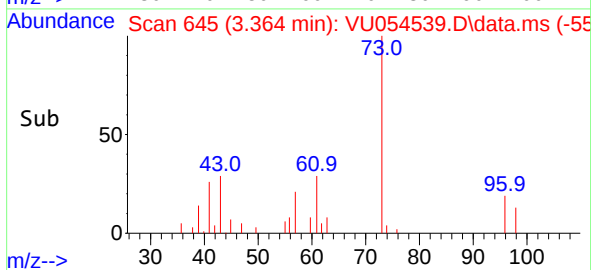
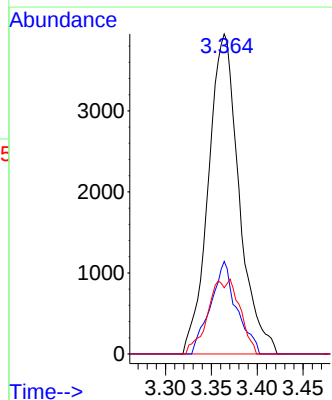
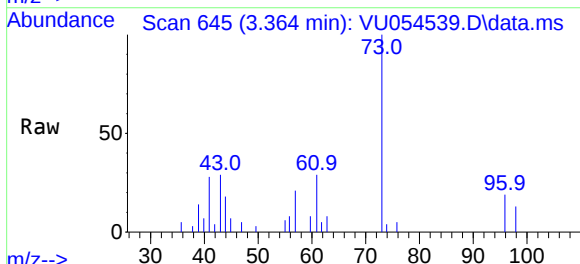
Instrument :
MSVOA_U
ClientSampleId :
EXYW8

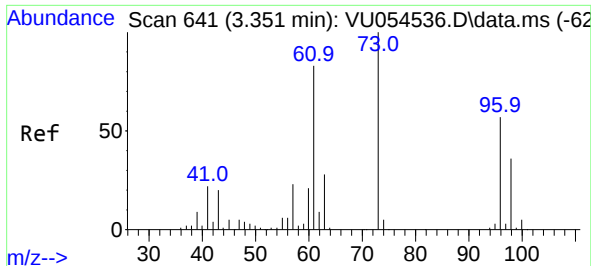
Tgt Ion: 96 Resp: 2908
Ion Ratio Lower Upper
96 100
61 292.2 119.9 222.7#
63 1350.4 64.3 119.3#



#17
Methyl tert-butyl Ether
Concen: 0.198 ug/L
RT: 3.364 min Scan# 645
Delta R.T. 0.003 min
Lab File: VU054539.D
Acq: 15 Jun 2023 21:30

Tgt Ion: 73 Resp: 9190
Ion Ratio Lower Upper
73 100
43 24.6 15.7 23.5#
57 13.2 18.6 28.0#

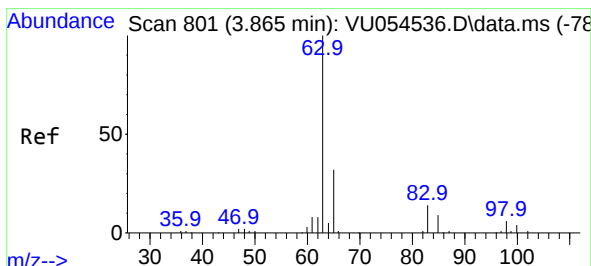
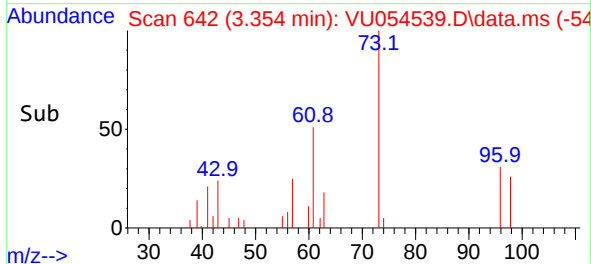
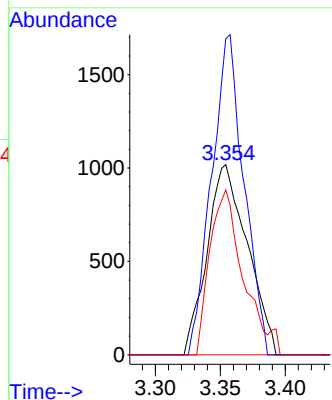
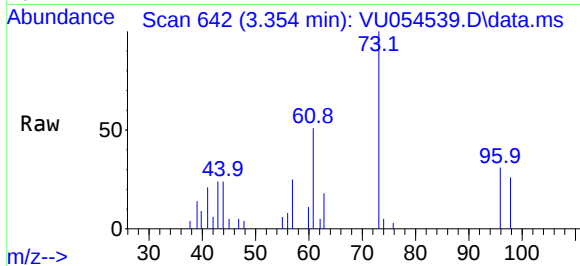




#18
trans-1,2-Dichloroethene
Concen: 0.113 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054539.D
Acq: 15 Jun 2023 21:30

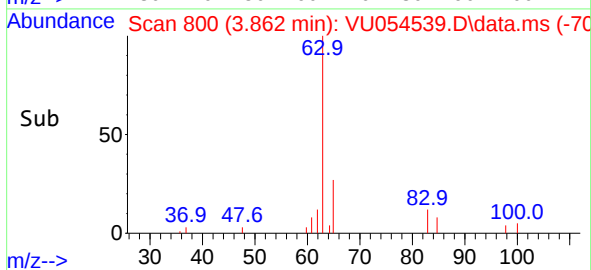
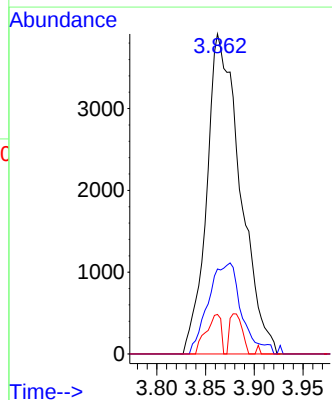
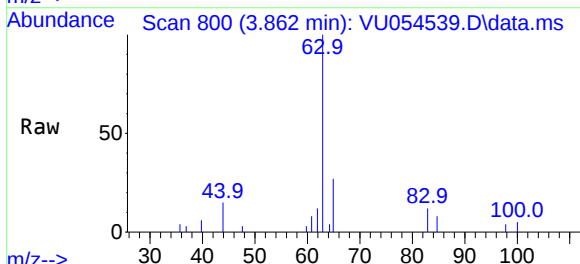
Instrument :
MSVOA_U
ClientSampleId :
EXYW8

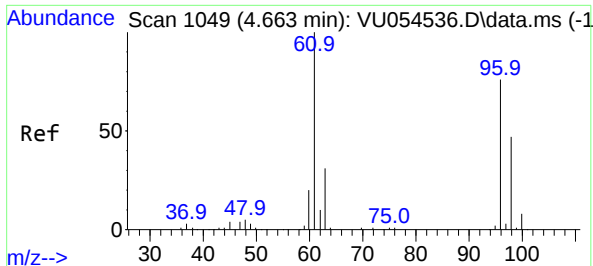
Tgt Ion: 96 Resp: 2200
Ion Ratio Lower Upper
96 100
61 166.3 104.6 194.2
98 86.7 45.4 84.4#



#19
1,1-Dichloroethane
Concen: 0.233 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.003 min
Lab File: VU054539.D
Acq: 15 Jun 2023 21:30

Tgt Ion: 63 Resp: 9375
Ion Ratio Lower Upper
63 100
65 26.5 22.2 41.2
83 12.3 9.0 16.6

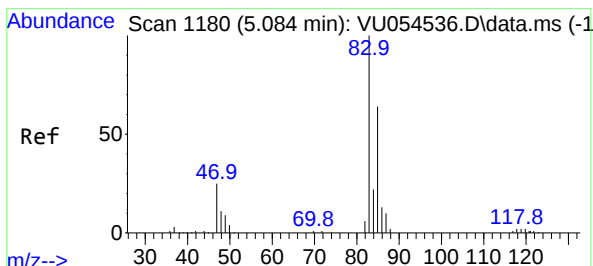
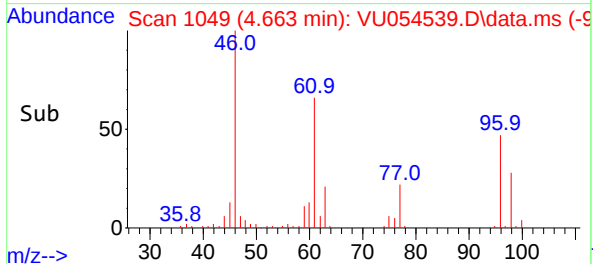
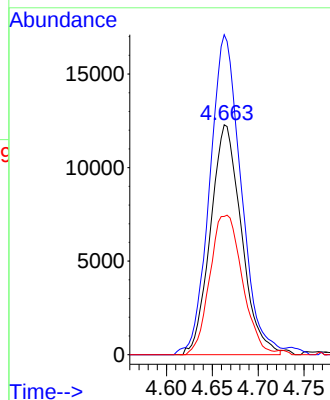
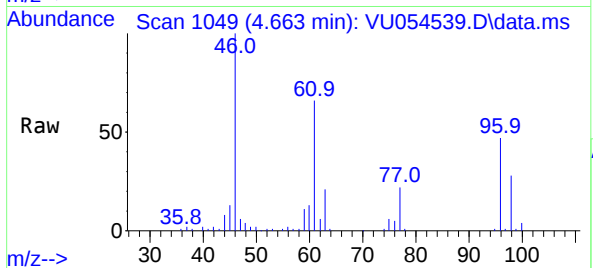




#22
 cis-1,2-Dichloroethene
 Concen: 1.304 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054539.D
 Acq: 15 Jun 2023 21:30

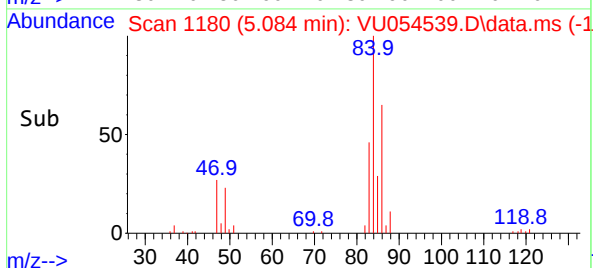
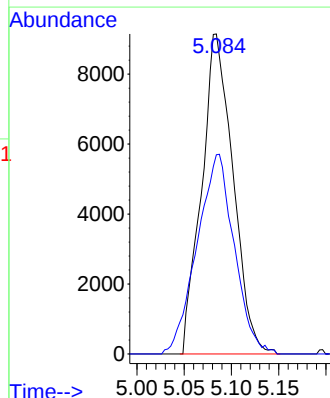
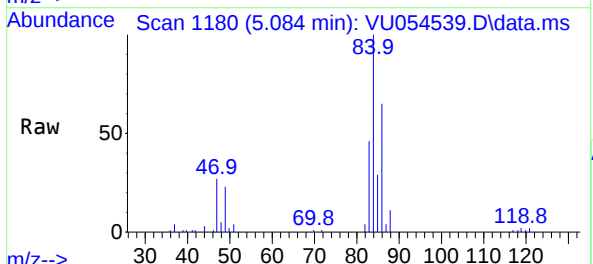
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYW8

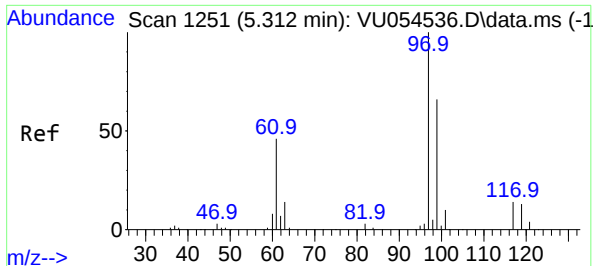
Tgt Ion: 96 Resp: 28826
 Ion Ratio Lower Upper
 96 100
 61 139.2 96.5 179.1
 98 60.2 44.9 83.3



#25
 Chloroform
 Concen: 0.535 ug/L
 RT: 5.084 min Scan# 1180
 Delta R.T. -0.000 min
 Lab File: VU054539.D
 Acq: 15 Jun 2023 21:30

Tgt Ion: 83 Resp: 21194
 Ion Ratio Lower Upper
 83 100
 85 62.2 44.7 82.9



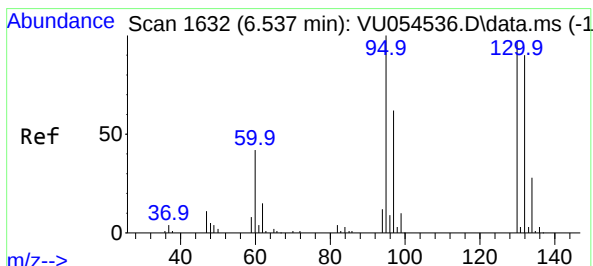
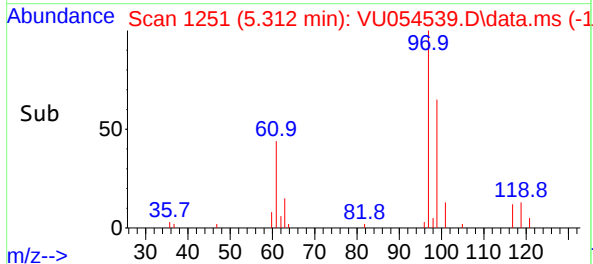
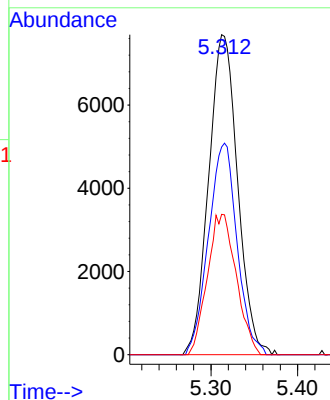
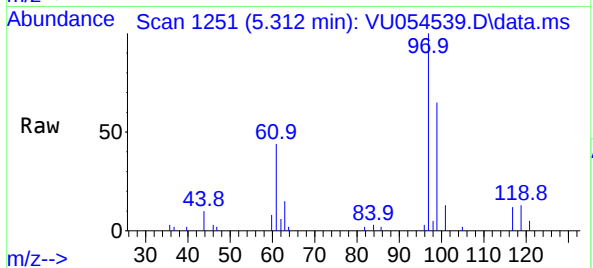


#29
1,1,1-Trichloroethane
Concen: 0.514 ug/L
RT: 5.312 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054539.D
Acq: 15 Jun 2023 21:30

Instrument :
MSVOA_U
ClientSampleId :
EXYW8

Tgt Ion: 97 Resp: 17890

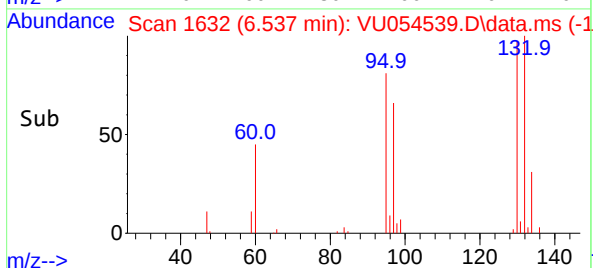
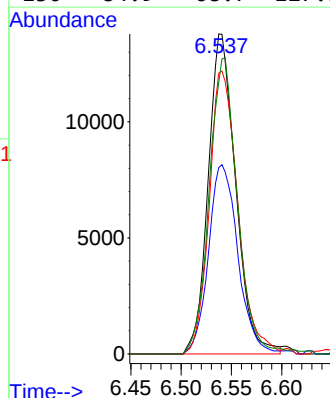
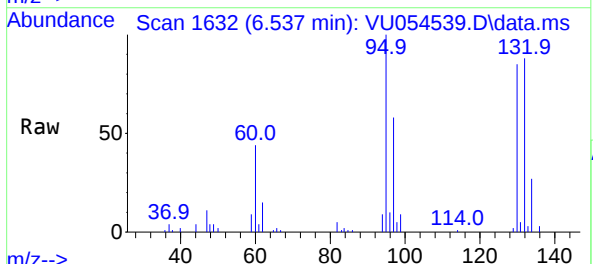
Ion	Ratio	Lower	Upper
97	100		
99	65.3	50.8	76.2
61	43.7	36.1	54.1

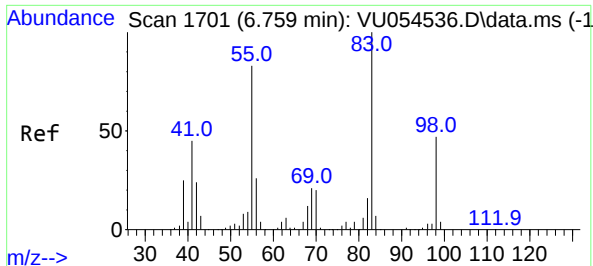


#34
Trichloroethene
Concen: 1.073 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU054539.D
Acq: 15 Jun 2023 21:30

Tgt Ion: 95 Resp: 26162

Ion	Ratio	Lower	Upper
95	100		
97	58.3	46.8	87.0
132	87.8	68.4	127.0
130	84.9	68.7	127.5

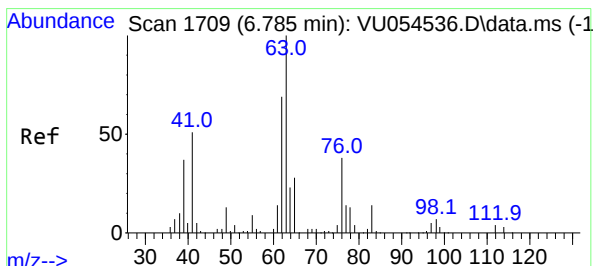
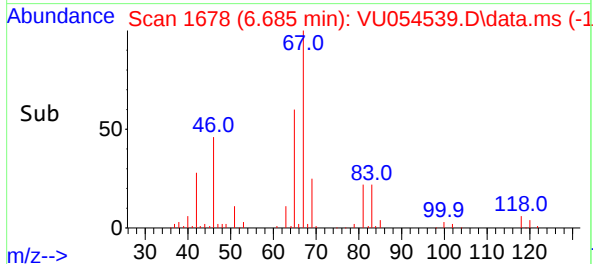
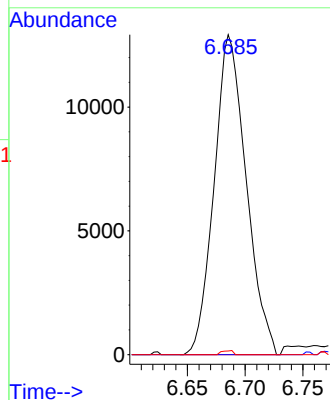
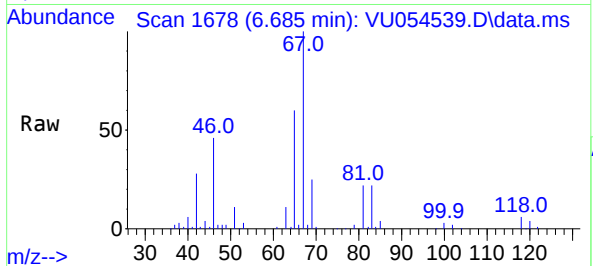




#35
Methylcyclohexane
Concen: 0.676 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU054539.D
Acq: 15 Jun 2023 21:30

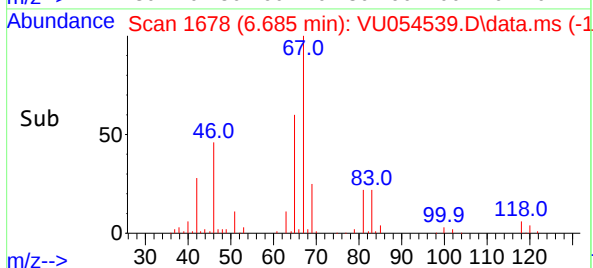
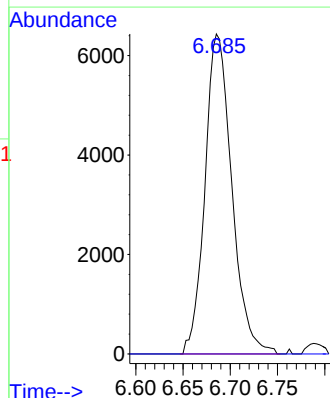
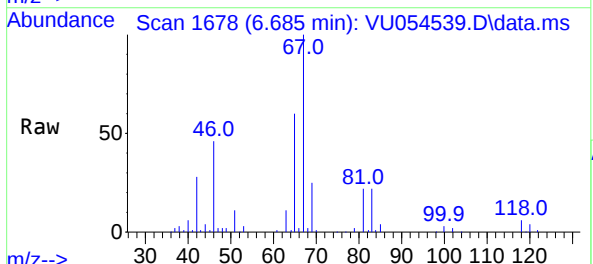
Instrument :
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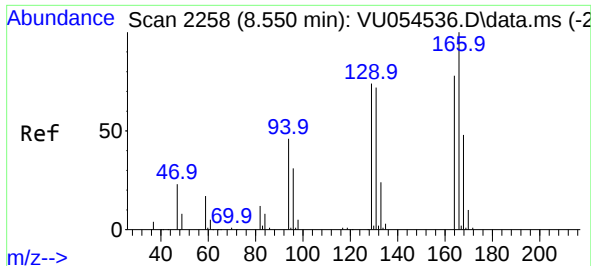
Tgt Ion: 83 Resp: 24923
Ion Ratio Lower Upper
83 100
55 0.2 67.1 100.7#
98 0.4 35.1 52.7#



#37
1,2-Dichloropropane
Concen: 0.511 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.103 min
Lab File: VU054539.D
Acq: 15 Jun 2023 21:30

Tgt Ion: 63 Resp: 12730
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



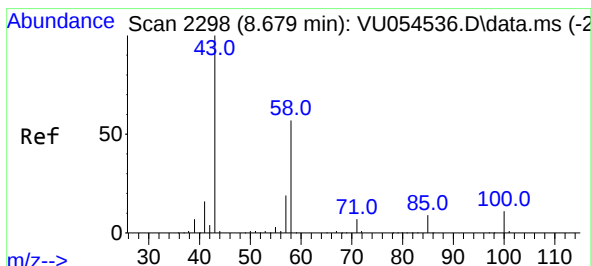
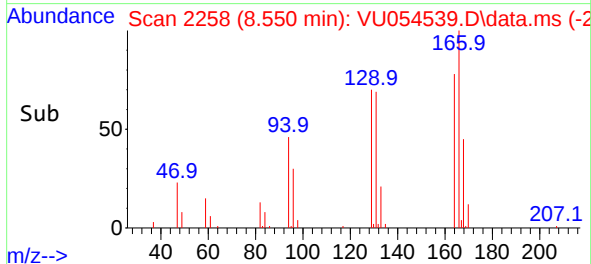
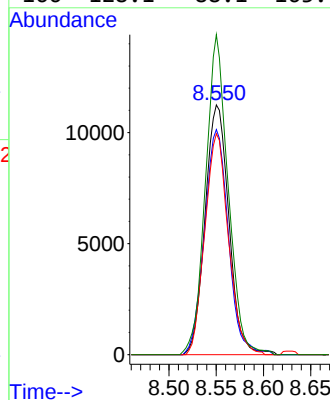
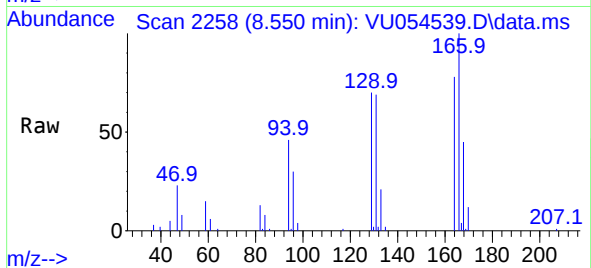


#47
Tetrachloroethene
Concen: 1.056 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054539.D
Acq: 15 Jun 2023 21:30

Instrument :
MSVOA_U
ClientSampleId :
EXYW8

Tgt Ion:164 Resp: 19702

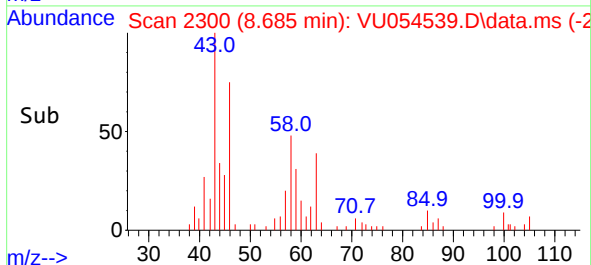
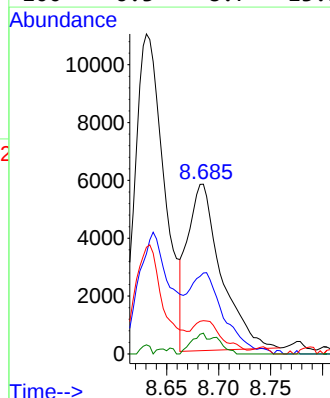
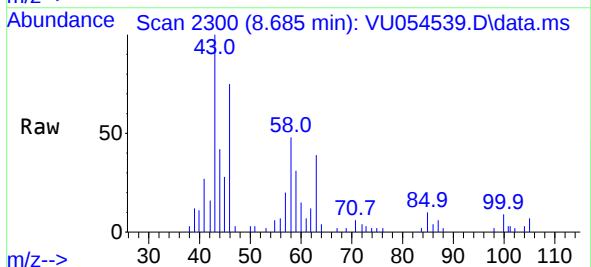
Ion	Ratio	Lower	Upper
164	100		
129	90.1	67.7	125.7
131	88.5	64.6	120.0
166	128.1	88.1	163.7

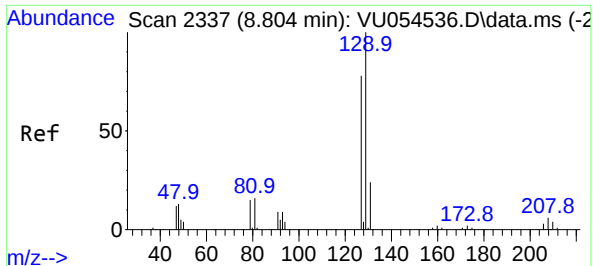


#48
2-Hexanone
Concen: 1.309 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU054539.D
Acq: 15 Jun 2023 21:30

Tgt Ion: 43 Resp: 12972

Ion	Ratio	Lower	Upper
43	100		
58	50.3	45.2	67.8
57	18.2	15.8	23.6
100	6.3	8.7	13.1





#49

Dibromochloromethane

Concen: 1.068 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU054539.D

Acq: 15 Jun 2023 21:30

Instrument :

MSVOA_U

ClientSampleId :

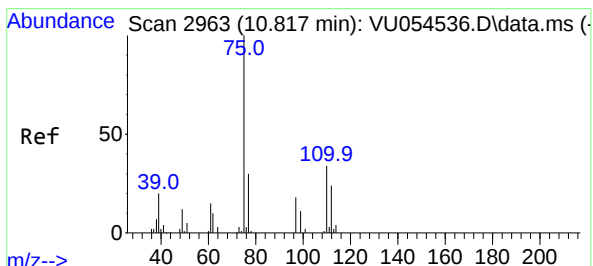
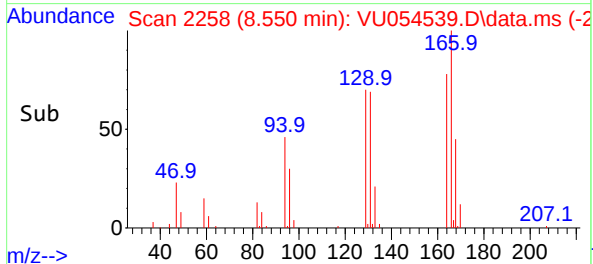
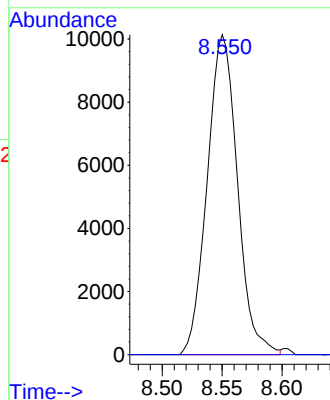
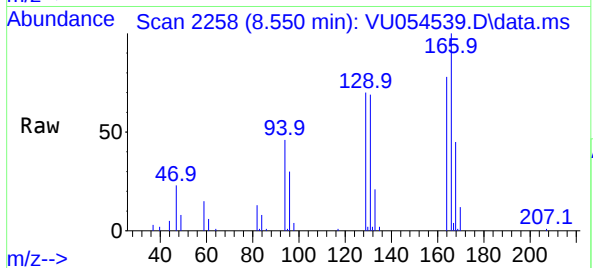
EXYW8

Tgt Ion:129 Resp: 17794

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#



#61

1,2,3-Trichloropropane

Concen: 1.255 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU054539.D

Acq: 15 Jun 2023 21:30

Tgt Ion: 75 Resp: 15630

Ion Ratio Lower Upper

75 100

110 2.6 28.0 42.0#

77 30.4 25.4 38.2

