

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052223\
 Data File : VU054243.D
 Acq On : 22 May 2023 13:32
 Operator : JC/MD
 Sample : 02874-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0P00

Quant Time: May 22 13:55:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 20 02:06:23 2023
 Response via : Initial Calibration

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

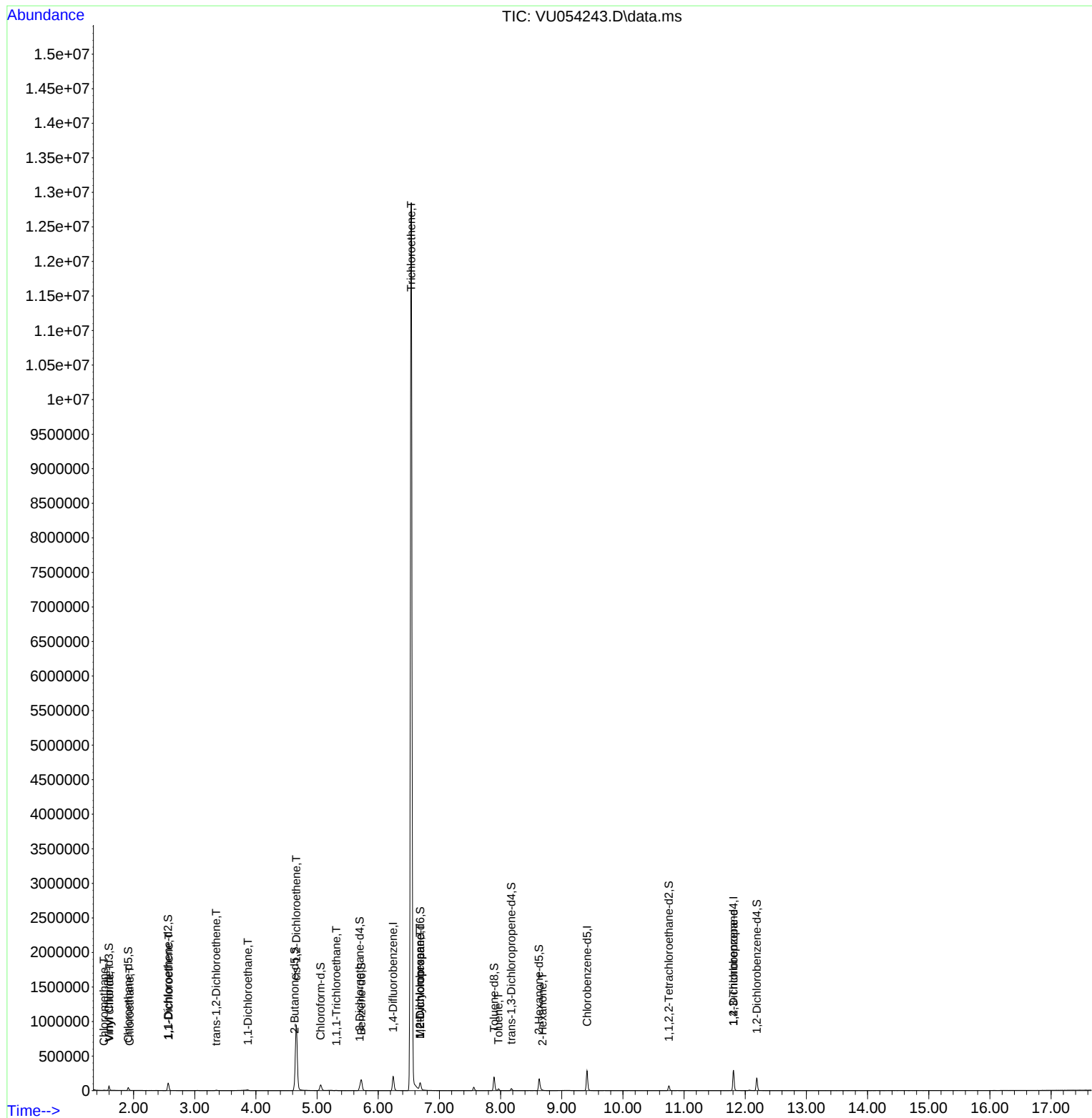
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	173578	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	164761	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	82030	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	40136	4.289	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.800%
7) Chloroethane-d5	1.912	69	32914	4.701	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.000%
11) 1,1-Dichloroethene-d2	2.562	65	17826	4.218	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	4.632	46	90164	54.027	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.060%
24) Chloroform-d	5.057	84	78115	4.440	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
26) 1,2-Dichloroethane-d4	5.697	65	37642	4.650	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.722	84	152824	4.555	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.687	67	47401	4.888	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.893	98	134689	4.251	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	8.176	79	17692	4.517	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.400%
46) 2-Hexanone-d5	8.629	63	61589	52.808	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.620%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	35325	5.082	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	49298	4.925	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.400%
Target Compounds						Qvalue
3) Chloromethane	1.517	50	2261	0.186	ug/L	85
5) Vinyl chloride	1.604	62	7851	0.608	ug/L #	78
8) Chloroethane	1.935	64	2157	0.263	ug/L	91
12) 1,1-Dichloroethene	2.575	96	9374	0.882	ug/L #	1
18) trans-1,2-Dichloroethene	3.350	96	3277	0.303	ug/L	89
19) 1,1-Dichloroethane	3.867	63	6044	0.279	ug/L	93
22) cis-1,2-Dichloroethene	4.661	96	507523	40.167	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	3318	0.161	ug/L	94
34) Trichloroethene	6.539	95	4401845	350.976	ug/L	98
35) Methylcyclohexane	6.684	83	11667	0.636	ug/L #	18
37) 1,2-Dichloropropane	6.684	63	4973	0.406	ug/L #	88
42) Toluene	7.967	91	17955	0.364	ug/L	99
48) 2-Hexanone	8.687	43	3421	0.726	ug/L #	61
61) 1,2,3-Trichloropropane	11.806	75	9396	1.413	ug/L #	63

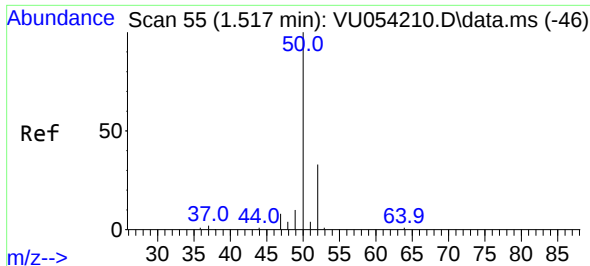
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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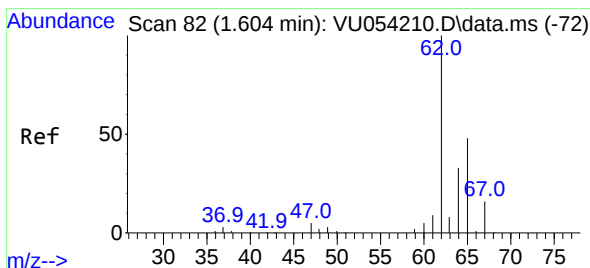
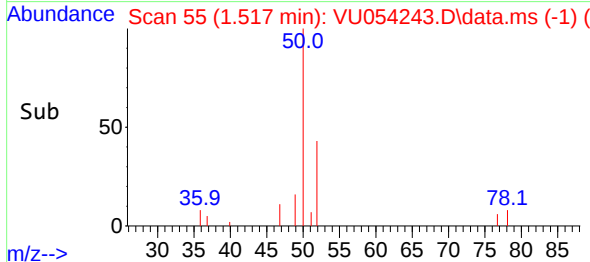
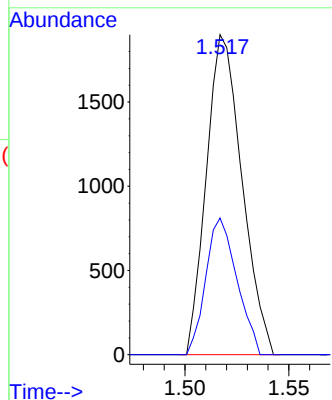
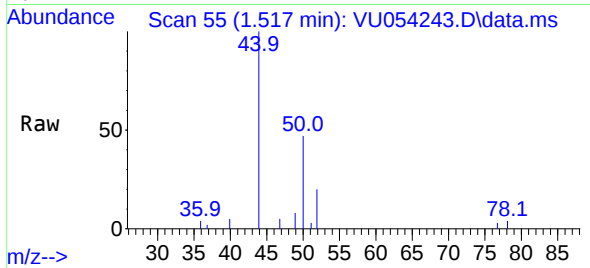




#3
Chloromethane
Concen: 0.186 ug/L
RT: 1.517 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU054243.D
Acq: 22 May 2023 13:32

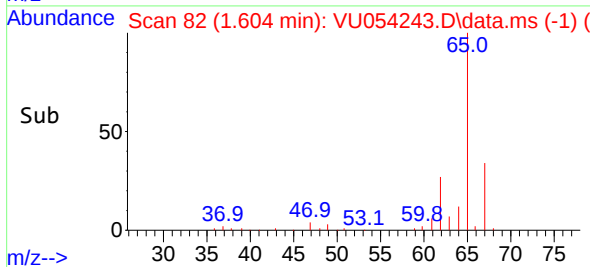
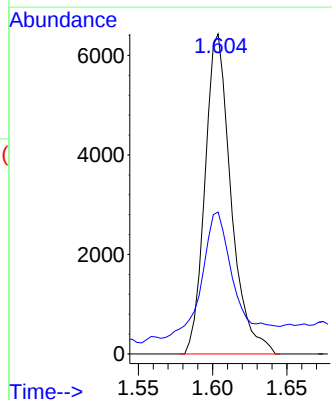
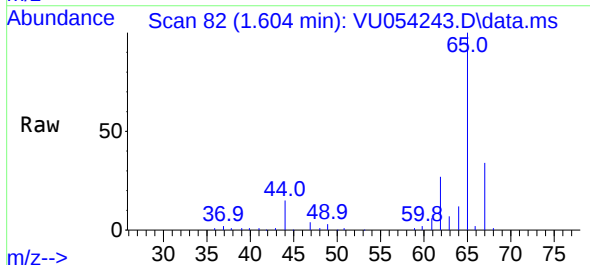
Instrument :
MSVOA_U
ClientSampleId :
COP00

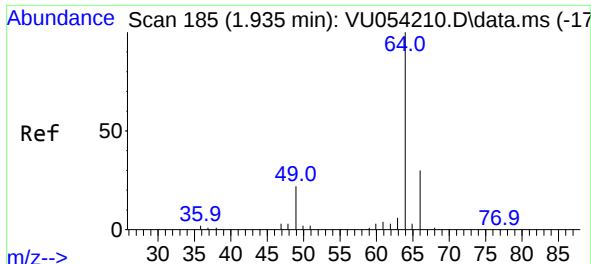
Tgt Ion: 50 Resp: 2261
Ion Ratio Lower Upper
50 100
52 42.7 23.7 44.1



#5
Vinyl chloride
Concen: 0.608 ug/L
RT: 1.604 min Scan# 82
Delta R.T. 0.000 min
Lab File: VU054243.D
Acq: 22 May 2023 13:32

Tgt Ion: 62 Resp: 7851
Ion Ratio Lower Upper
62 100
64 44.3 22.4 41.6#

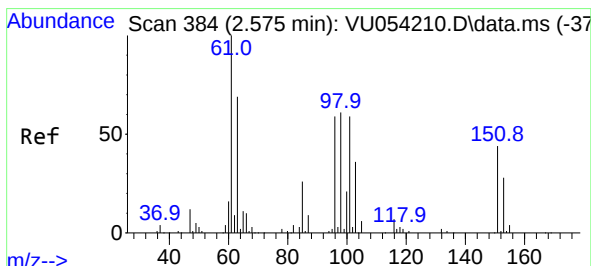
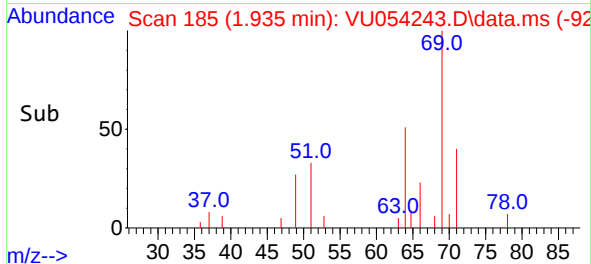
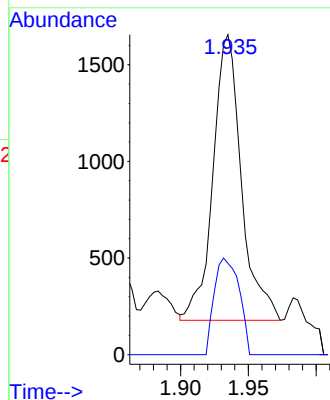
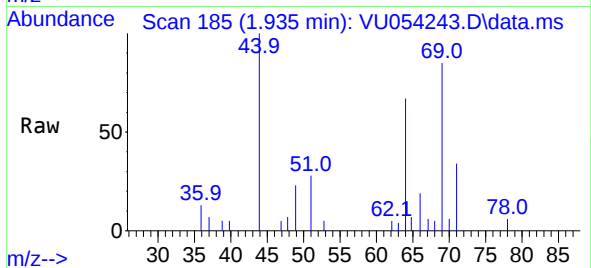




#8
Chloroethane
Concen: 0.263 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054243.D
Acq: 22 May 2023 13:32

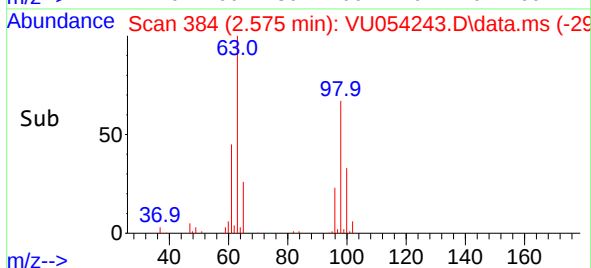
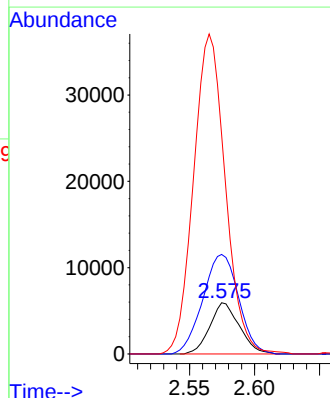
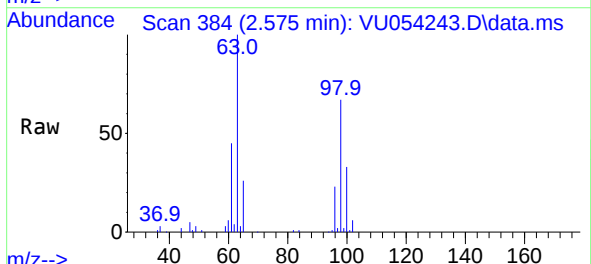
Instrument :
MSVOA_U
ClientSampleId :
COP00

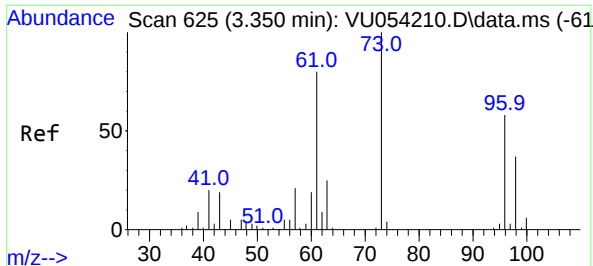
Tgt Ion: 64 Resp: 2157
Ion Ratio Lower Upper
64 100
66 25.8 21.6 40.0



#12
1,1-Dichloroethene
Concen: 0.882 ug/L
RT: 2.575 min Scan# 384
Delta R.T. 0.000 min
Lab File: VU054243.D
Acq: 22 May 2023 13:32

Tgt Ion: 96 Resp: 9374
Ion Ratio Lower Upper
96 100
61 194.2 114.7 212.9
63 427.7 68.6 127.4#

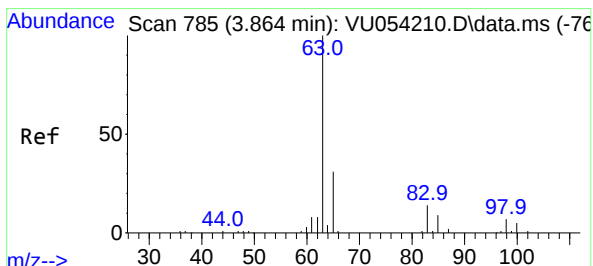
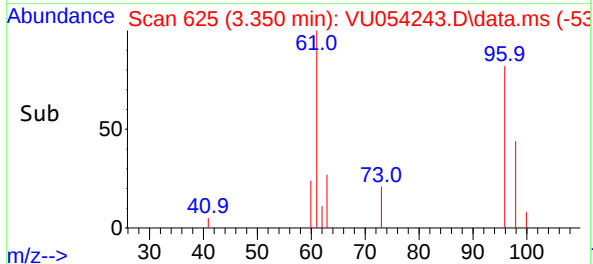
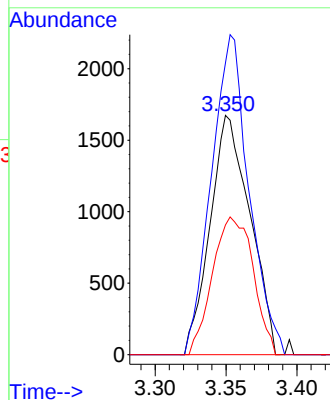
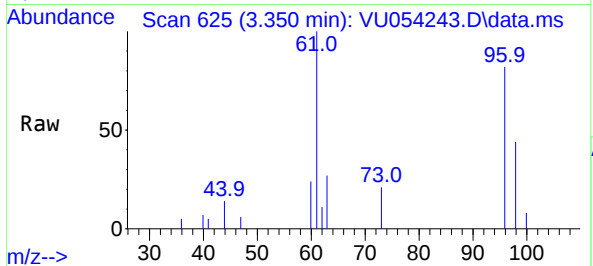




#18
trans-1,2-Dichloroethene
Concen: 0.303 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054243.D
Acq: 22 May 2023 13:32

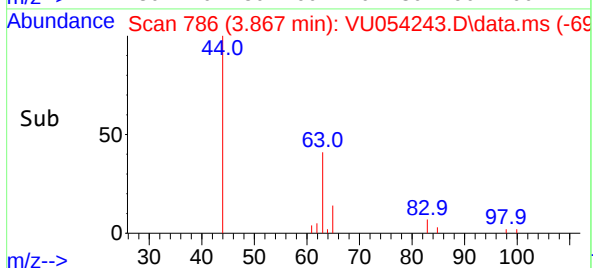
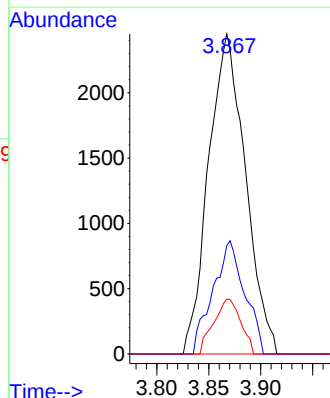
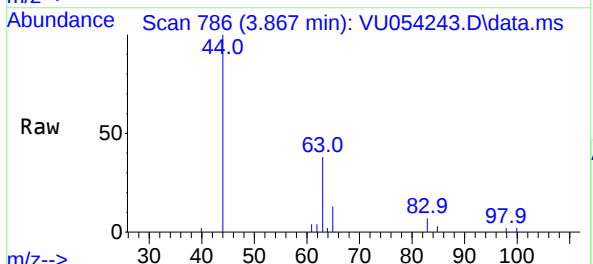
Instrument :
MSVOA_U
ClientSampleId :
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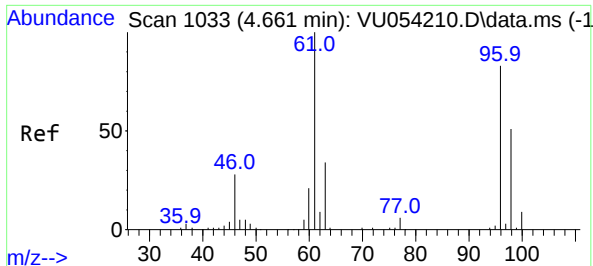
Tgt Ion: 96 Resp: 3277
Ion Ratio Lower Upper
96 100
61 121.9 94.1 174.8
98 54.2 45.3 84.1



#19
1,1-Dichloroethane
Concen: 0.279 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU054243.D
Acq: 22 May 2023 13:32

Tgt Ion: 63 Resp: 6044
Ion Ratio Lower Upper
63 100
65 33.8 20.7 38.5
83 17.1 10.1 18.7

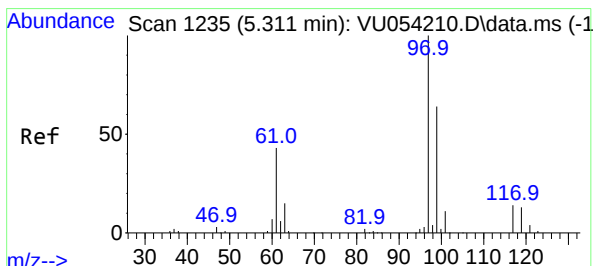
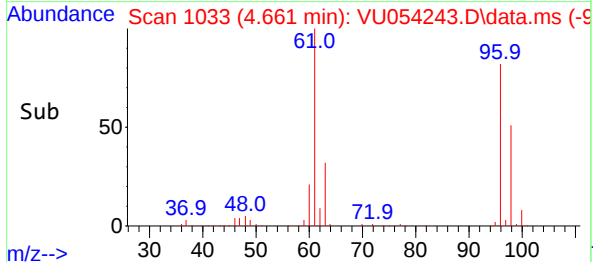
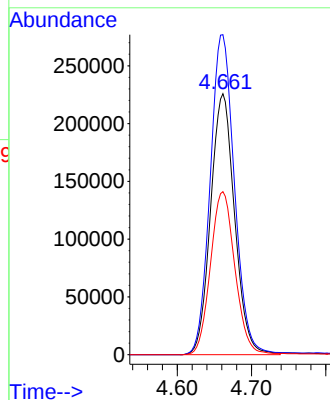
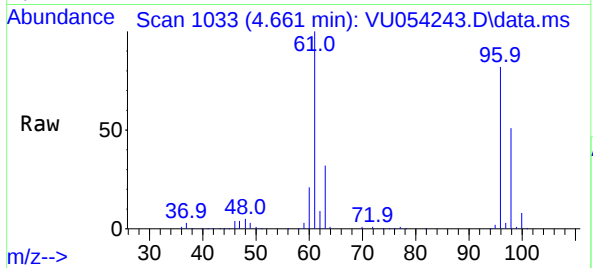




#22
 cis-1,2-Dichloroethene
 Concen: 40.167 ug/L
 RT: 4.661 min Scan# 1033
 Delta R.T. 0.000 min
 Lab File: VU054243.D
 Acq: 22 May 2023 13:32

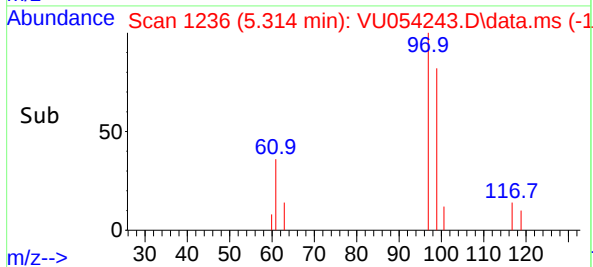
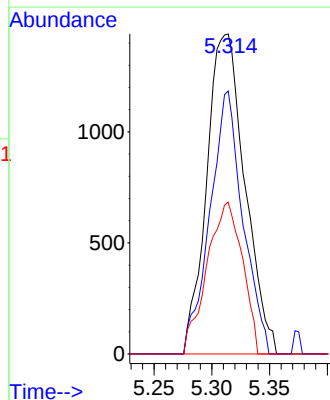
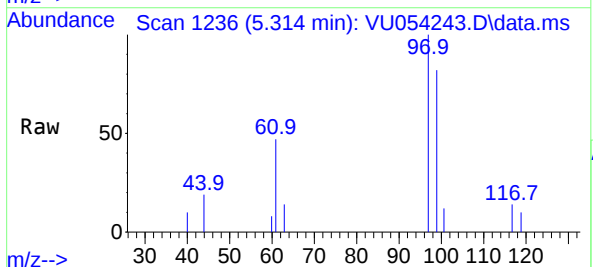
Instrument :
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 ClientSampleId :
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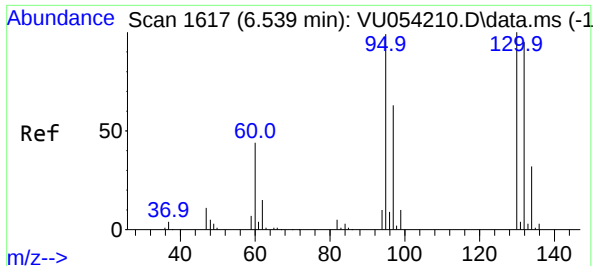
Tgt Ion: 96 Resp: 507523
 Ion Ratio Lower Upper
 96 100
 61 122.6 85.0 157.8
 98 62.5 45.8 85.0



#29
 1,1,1-Trichloroethane
 Concen: 0.161 ug/L
 RT: 5.314 min Scan# 1236
 Delta R.T. 0.003 min
 Lab File: VU054243.D
 Acq: 22 May 2023 13:32

Tgt Ion: 97 Resp: 3318
 Ion Ratio Lower Upper
 97 100
 99 70.9 51.8 77.6
 61 44.0 33.4 50.2



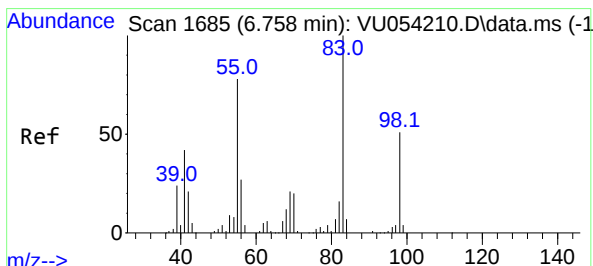
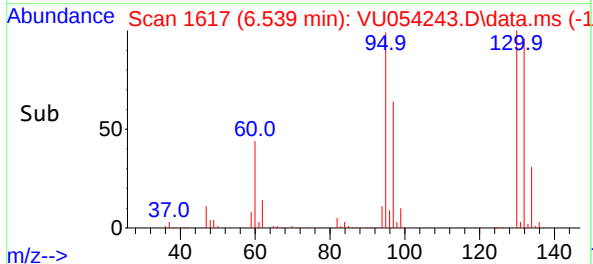
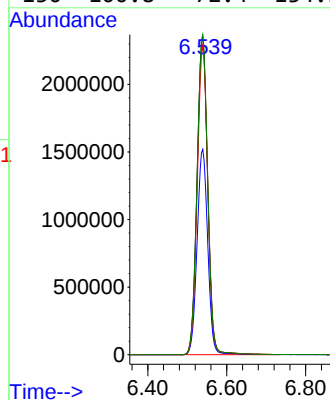
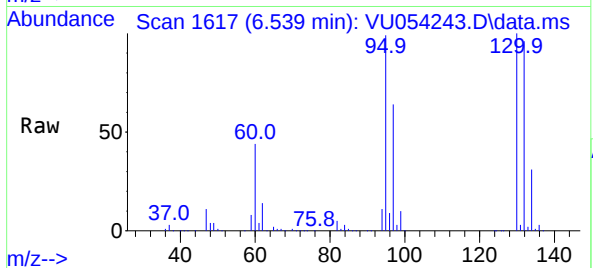


#34
Trichloroethene
Concen: 350.976 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054243.D
Acq: 22 May 2023 13:32

Instrument :
MSVOA_U
ClientSampleId :
COP00

Tgt Ion: 95 Resp: 4401845

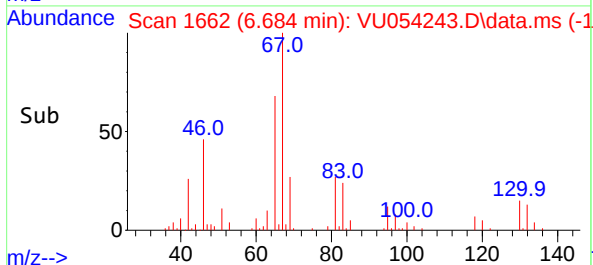
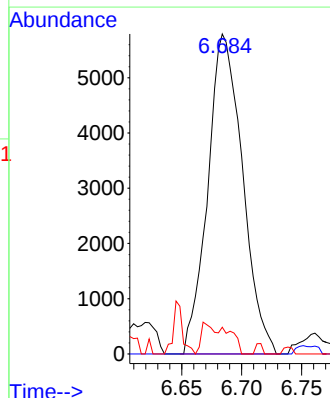
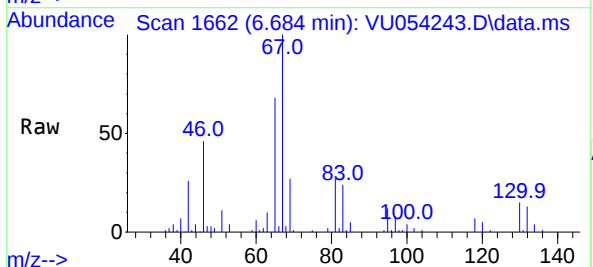
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.8	85.0
132	97.2	70.1	130.3
130	100.8	72.4	134.5

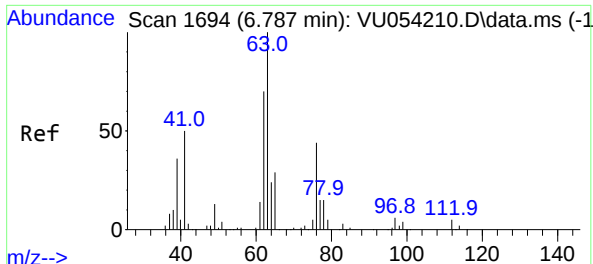


#35
Methylcyclohexane
Concen: 0.636 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.074 min
Lab File: VU054243.D
Acq: 22 May 2023 13:32

Tgt Ion: 83 Resp: 11667

Ion	Ratio	Lower	Upper
83	100		
55	1.5	61.6	92.4#
98	0.0	41.3	61.9#

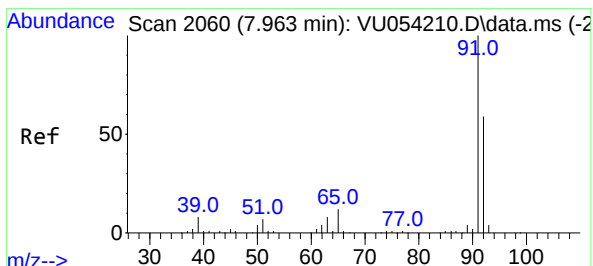
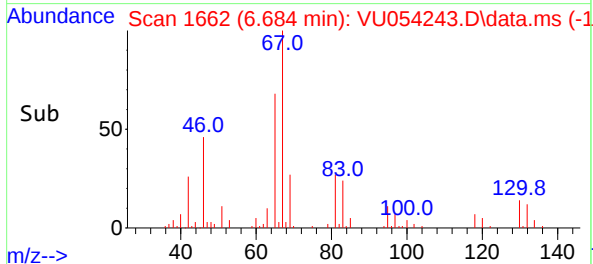
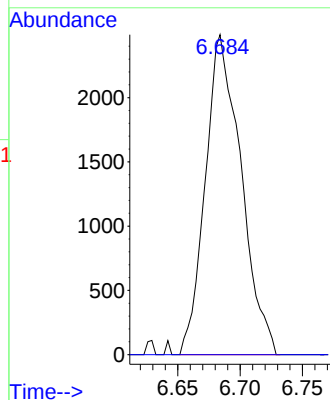
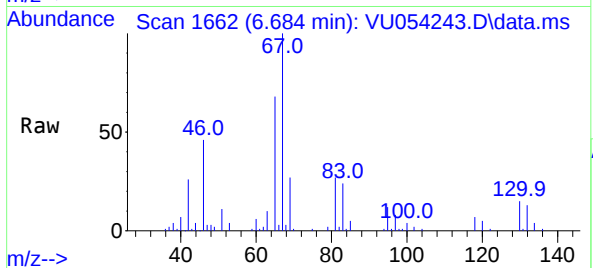




#37
1,2-Dichloropropane
Concen: 0.406 ug/L
RT: 6.684 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU054243.D
Acq: 22 May 2023 13:32

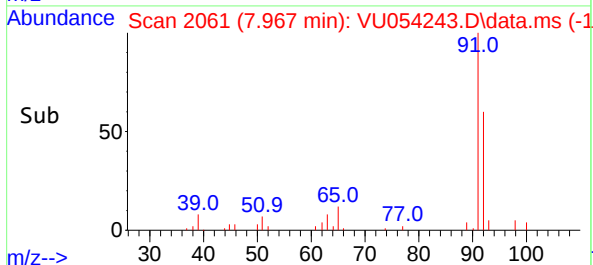
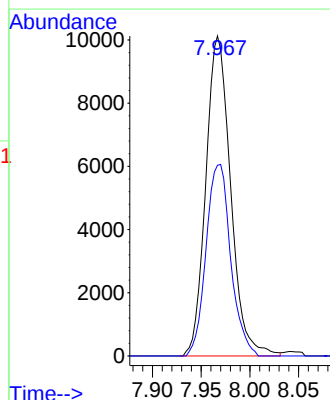
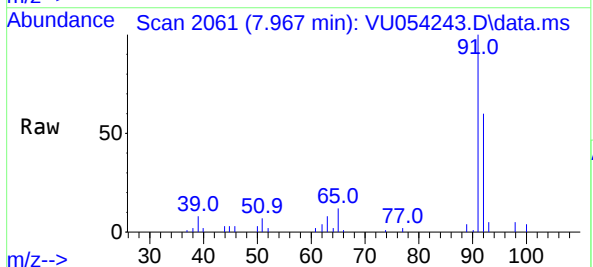
Instrument :
MSVOA_U
ClientSampleId :
COP00

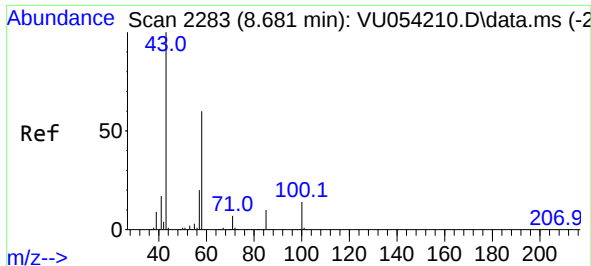
Tgt Ion: 63 Resp: 4973
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#42
Toluene
Concen: 0.364 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU054243.D
Acq: 22 May 2023 13:32

Tgt Ion: 91 Resp: 17955
Ion Ratio Lower Upper
91 100
92 59.6 42.1 78.1



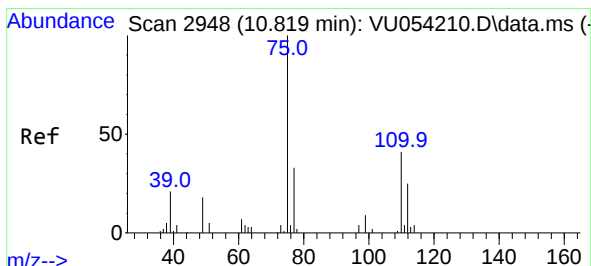
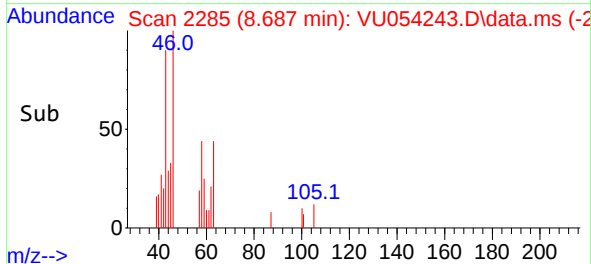
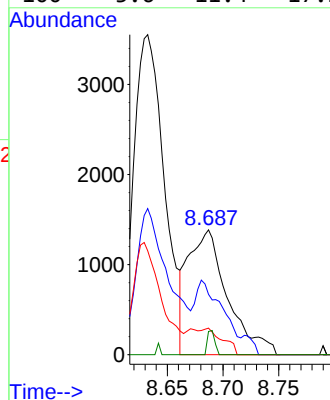
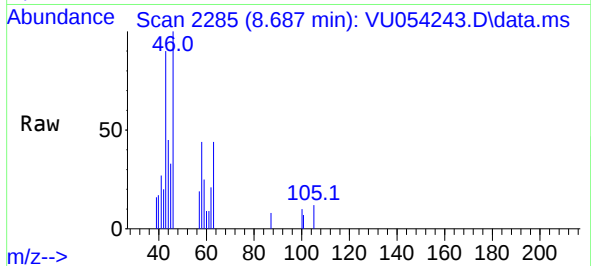


#48
2-Hexanone
Concen: 0.726 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU054243.D
Acq: 22 May 2023 13:32

Instrument :
MSVOA_U
ClientSampleId :
COP00

Tgt Ion: 43 Resp: 3421

Ion	Ratio	Lower	Upper
43	100		
58	30.0	48.6	72.8#
57	0.0	16.7	25.1#
100	3.6	11.4	17.2#



#61
1,2,3-Trichloropropane
Concen: 1.413 ug/L
RT: 11.806 min Scan# 3255
Delta R.T. 0.987 min
Lab File: VU054243.D
Acq: 22 May 2023 13:32

Tgt Ion: 75 Resp: 9396

Ion	Ratio	Lower	Upper
75	100		
110	1.9	32.3	48.5#
77	29.6	26.3	39.5

