

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060923\
 Data File : VU054474.D
 Acq On : 09 Jun 2023 19:50
 Operator : MD/SY
 Sample : 03104-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 12 01:03:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jun 12 00:58:03 2023
 Response via : Initial Calibration

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

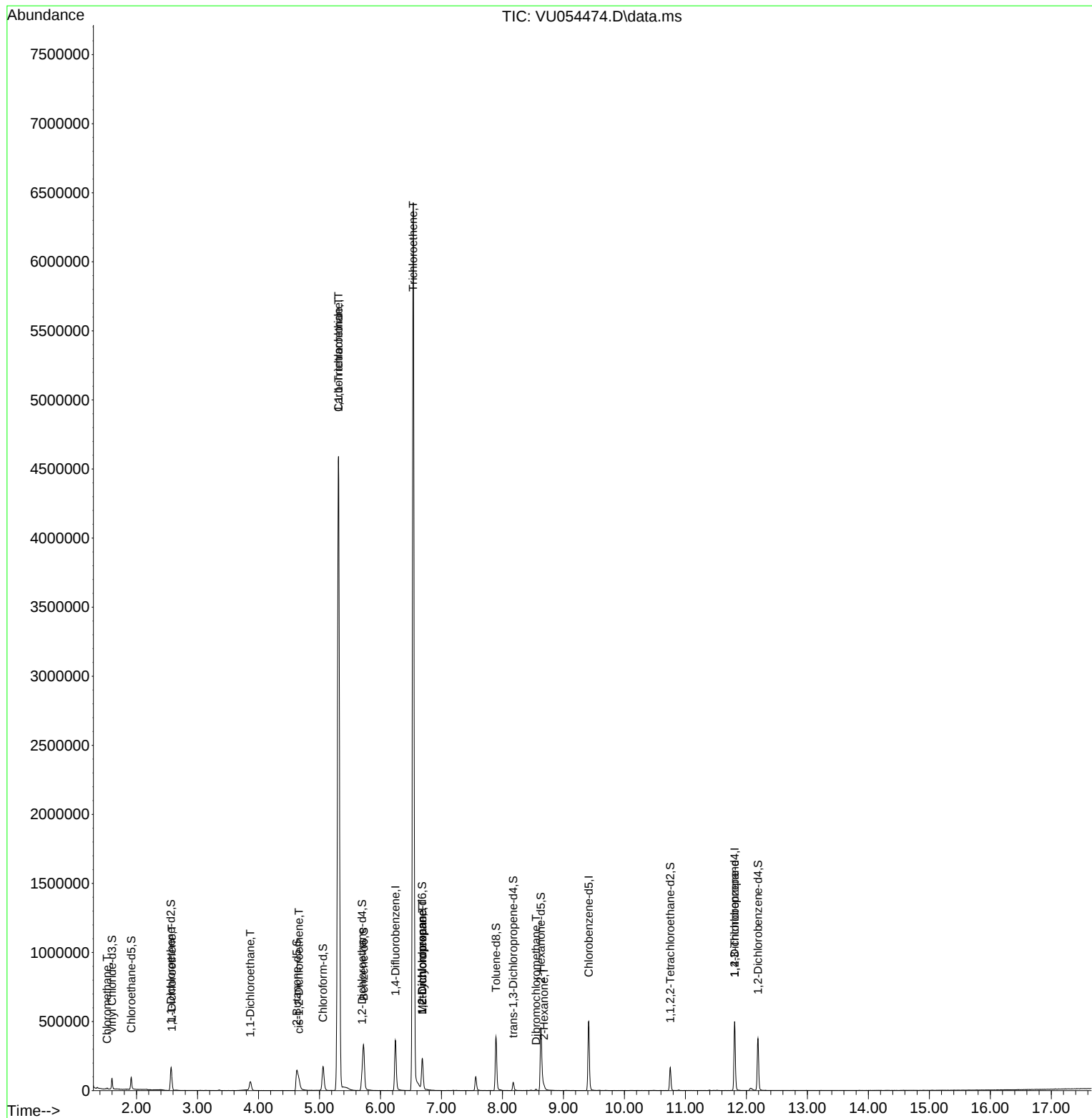
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	294855	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	283964	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	136353	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	58382	3.111	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.200%
7) Chloroethane-d5	1.914	69	66685	3.796	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.000%
11) 1,1-Dichloroethene-d2	2.563	65	28765	3.432	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.600%
20) 2-Butanone-d5	4.627	46	252198	47.802	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.600%
24) Chloroform-d	5.058	84	164442	4.192	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
26) 1,2-Dichloroethane-d4	5.698	65	85006	4.446	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
32) Benzene-d6	5.724	84	313907	3.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
36) 1,2-Dichloropropane-d6	6.685	67	112553	4.270	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.400%
41) Toluene-d8	7.894	98	266011	3.797	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
43) trans-1,3-Dichloroprop...	8.177	79	35764	3.901	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.000%
46) 2-Hexanone-d5	8.630	63	153917	40.020	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.040%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86386	4.394	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	101069	4.395	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	4431	0.140	ug/L	99
12) 1,1-Dichloroethene	2.579	96	14677	0.686	ug/L #	15
19) 1,1-Dichloroethane	3.865	63	77870	1.704	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	23225	0.924	ug/L	92
29) 1,1,1-Trichloroethane	5.312	97	3408198	88.511	ug/L	99
31) Carbon tetrachloride	5.312	117	445754	13.435	ug/L	100
34) Trichloroethene	6.537	95	2282127	84.564	ug/L	96
35) Methylcyclohexane	6.688	83	25277	0.620	ug/L #	17
37) 1,2-Dichloropropane	6.688	63	11584	0.420	ug/L #	95
48) 2-Hexanone	8.682	43	16269	1.483	ug/L	94
49) Dibromochloromethane	8.553	129	2293	0.124	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	16578	1.203	ug/L #	71

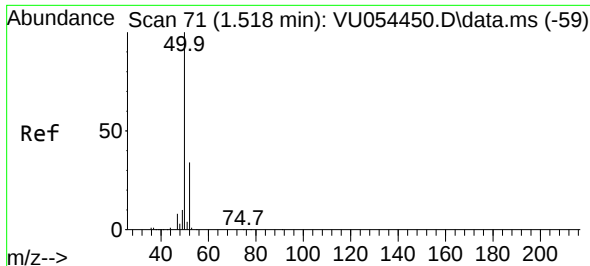
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
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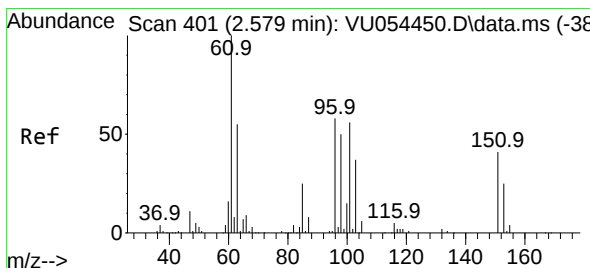
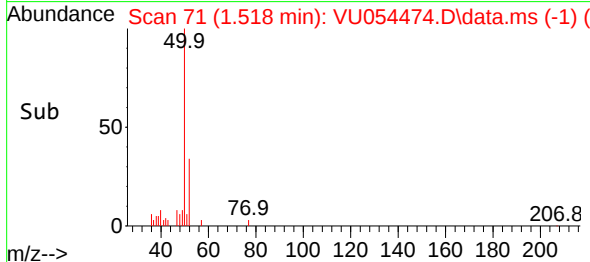
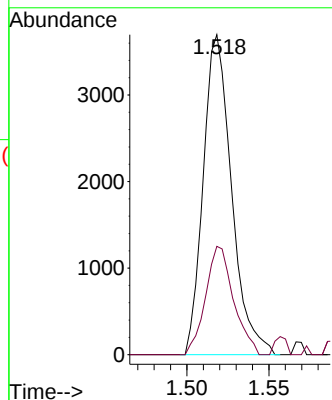
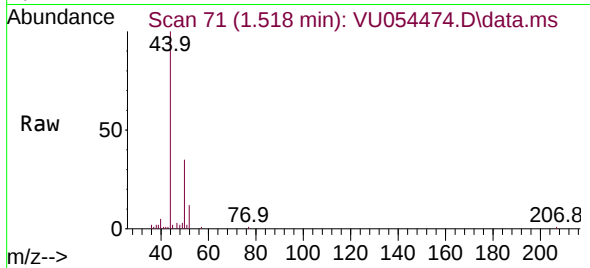




#3
Chloromethane
Concen: 0.140 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054474.D
Acq: 09 Jun 2023 19:50

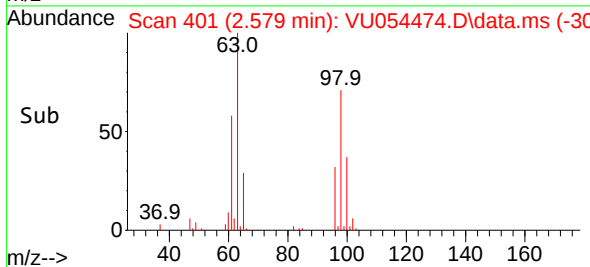
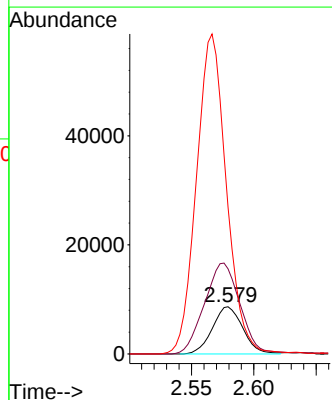
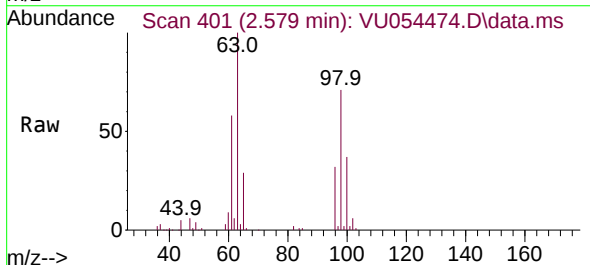
Instrument :
MSVOA_U
ClientSampleId :

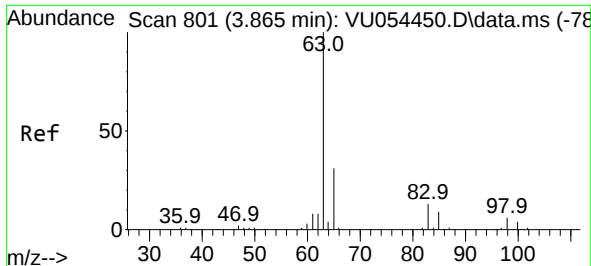
Tgt Ion: 50 Resp: 4431
Ion Ratio Lower Upper
50 100
52 33.8 23.4 43.4



#12
1,1-Dichloroethene
Concen: 0.686 ug/L
RT: 2.579 min Scan# 401
Delta R.T. -0.000 min
Lab File: VU054474.D
Acq: 09 Jun 2023 19:50

Tgt Ion: 96 Resp: 14677
Ion Ratio Lower Upper
96 100
61 180.6 119.9 222.7
63 311.4 64.3 119.3





#19

1,1-Dichloroethane

Concen: 1.704 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054474.D

Acq: 09 Jun 2023 19:50

Instrument :

MSVOA_U

ClientSampleId :

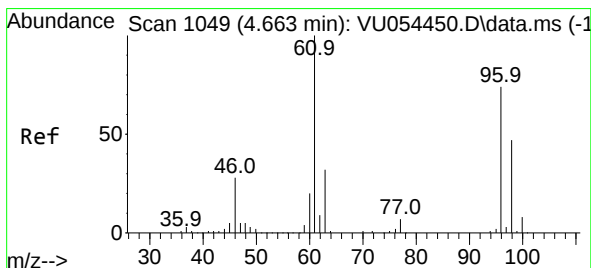
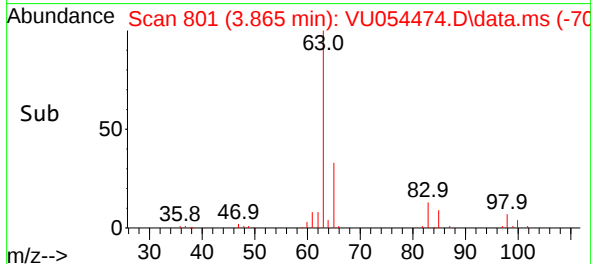
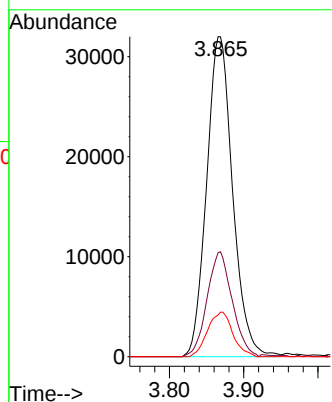
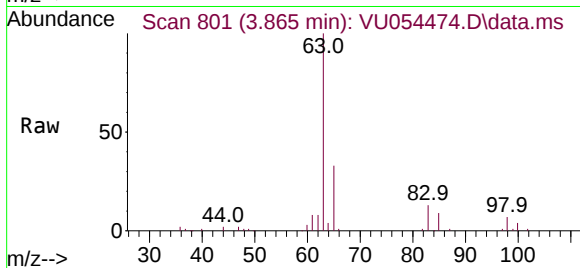
Tgt Ion: 63 Resp: 77870

Ion Ratio Lower Upper

63 100

65 32.5 22.2 41.2

83 13.1 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 0.924 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU054474.D

Acq: 09 Jun 2023 19:50

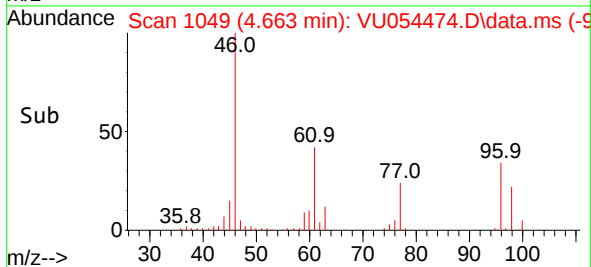
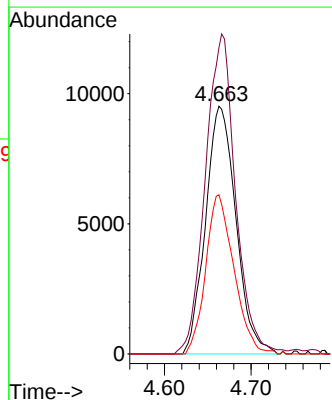
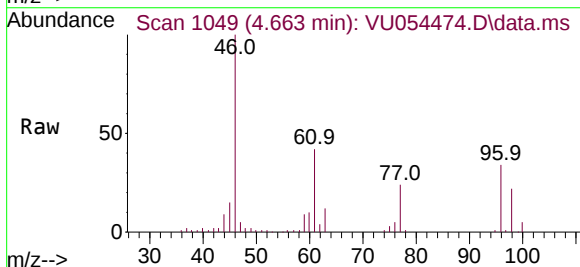
Tgt Ion: 96 Resp: 23225

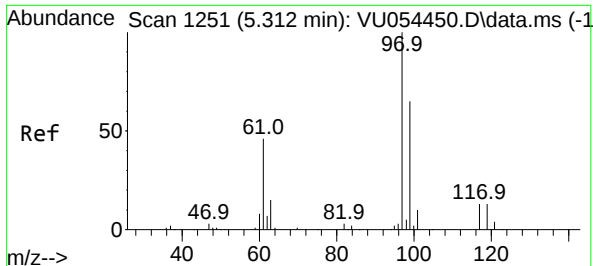
Ion Ratio Lower Upper

96 100

61 123.5 96.5 179.1

98 64.3 44.9 83.3

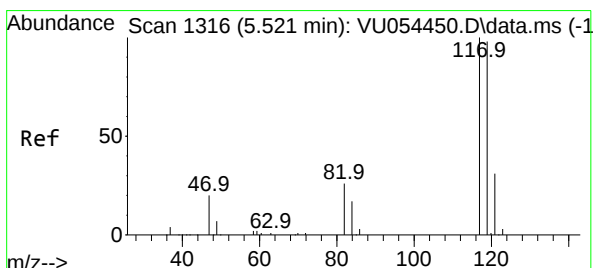
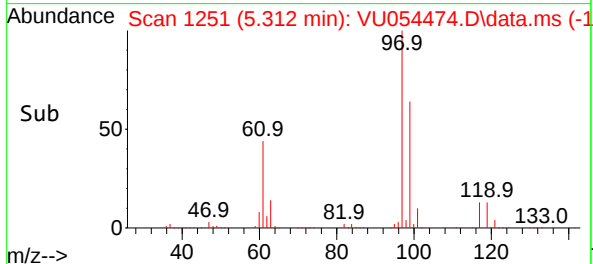
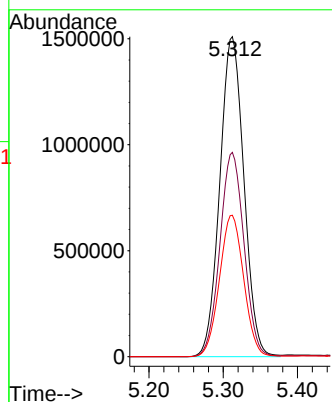
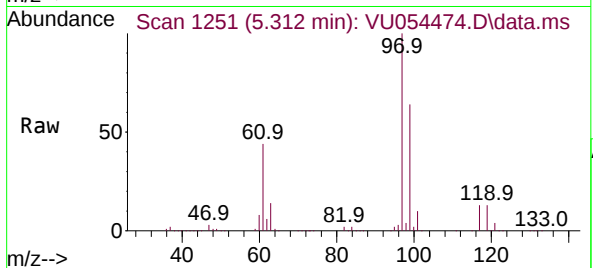




#29
1,1,1-Trichloroethane
Concen: 88.511 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VU054474.D
Acq: 09 Jun 2023 19:50

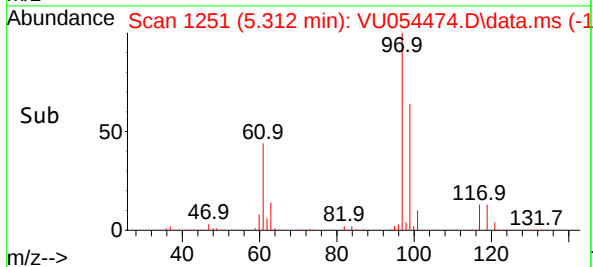
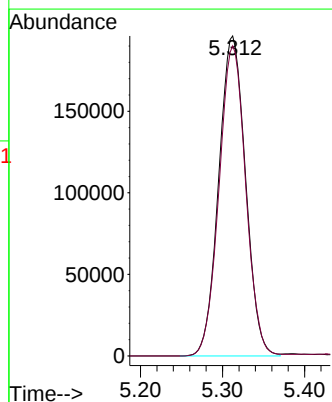
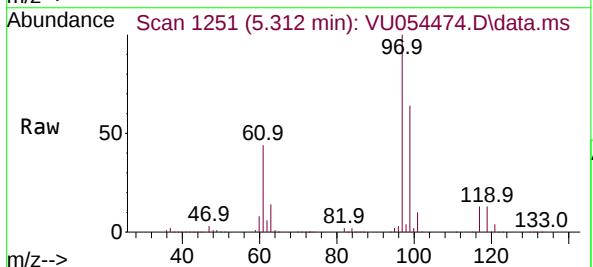
Instrument :
MSVOA_U
ClientSampleId :

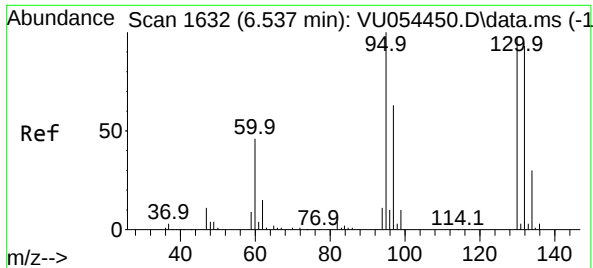
Tgt Ion: 97 Resp: 3408198
Ion Ratio Lower Upper
97 100
99 63.9 50.8 76.2
61 44.5 36.1 54.1



#31
Carbon tetrachloride
Concen: 13.435 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.209 min
Lab File: VU054474.D
Acq: 09 Jun 2023 19:50

Tgt Ion:117 Resp: 445754
Ion Ratio Lower Upper
117 100
119 96.5 76.8 115.2



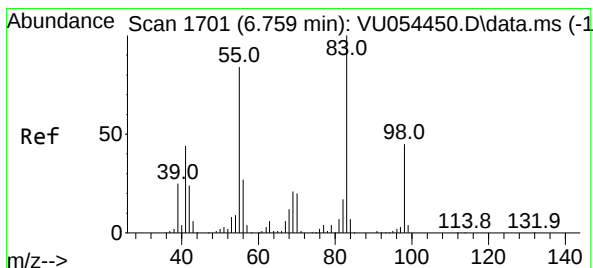
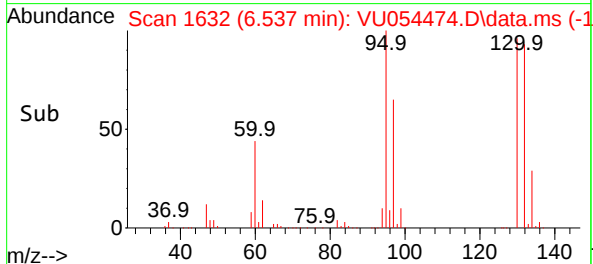
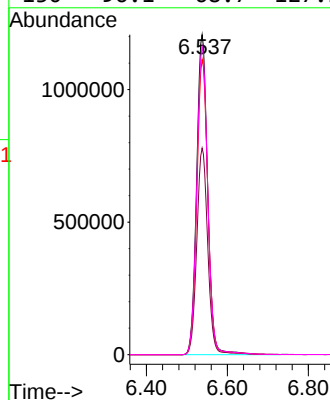
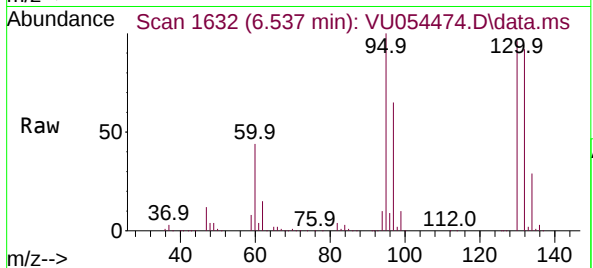


#34
Trichloroethene
Concen: 84.564 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU054474.D
Acq: 09 Jun 2023 19:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 2282127

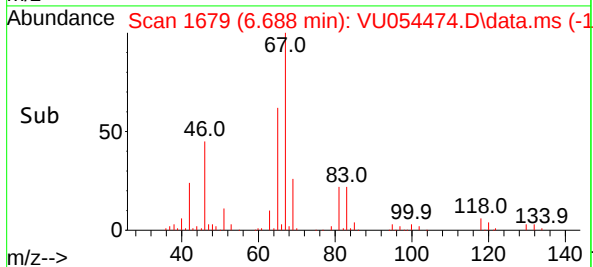
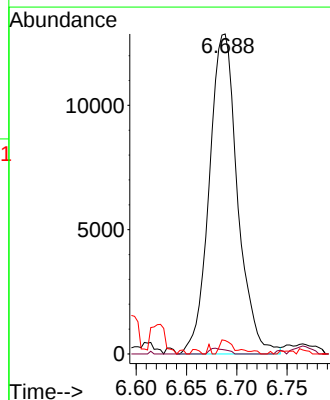
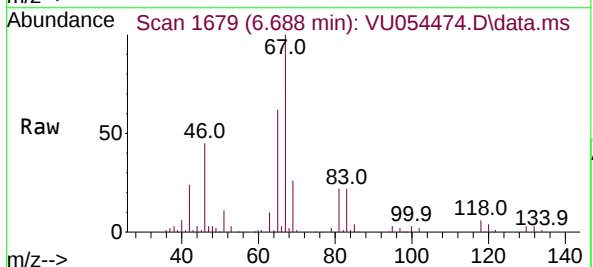
Ion	Ratio	Lower	Upper
95	100		
97	64.5	46.8	87.0
132	92.2	68.4	127.0
130	96.1	68.7	127.5

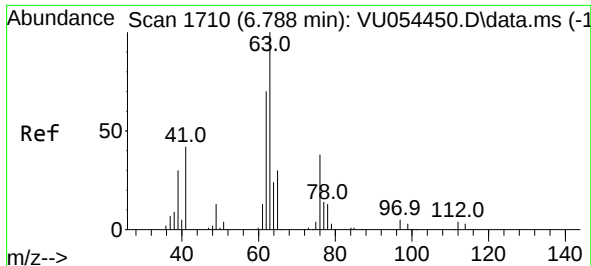


#35
Methylcyclohexane
Concen: 0.620 ug/L
RT: 6.688 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU054474.D
Acq: 09 Jun 2023 19:50

Tgt Ion: 83 Resp: 25277

Ion	Ratio	Lower	Upper
83	100		
55	1.0	67.1	100.7#
98	0.0	35.1	52.7#





#37

1,2-Dichloropropane

Concen: 0.420 ug/L

RT: 6.688 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU054474.D

Acq: 09 Jun 2023 19:50

Instrument :

MSVOA_U

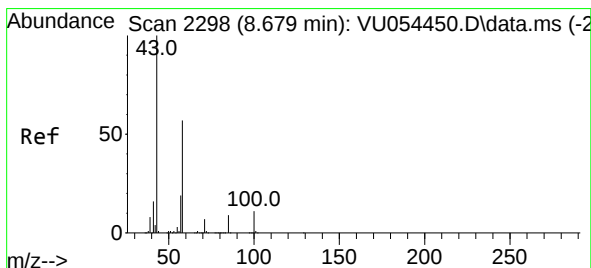
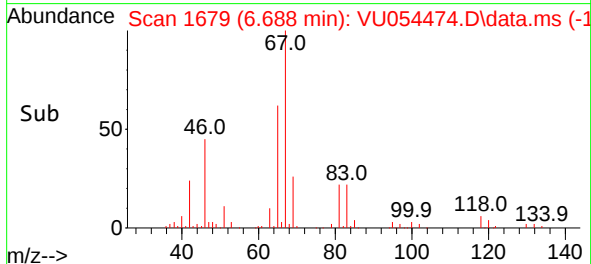
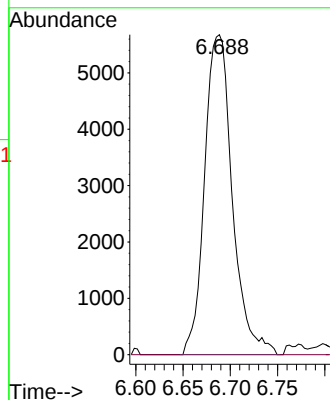
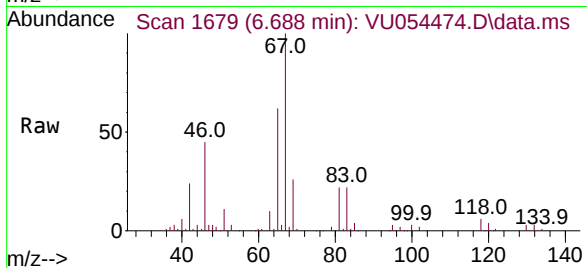
ClientSampleId :

Tgt Ion: 63 Resp: 11584

Ion Ratio Lower Upper

63 100

112 2.2 3.0 4.6#



#48

2-Hexanone

Concen: 1.483 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. 0.003 min

Lab File: VU054474.D

Acq: 09 Jun 2023 19:50

Tgt Ion: 43 Resp: 16269

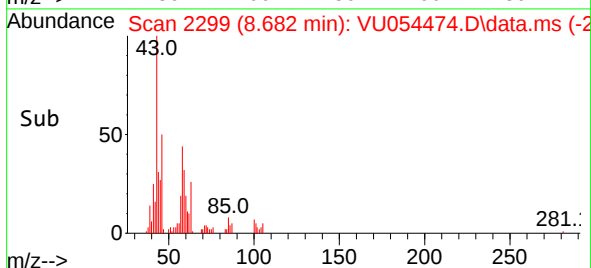
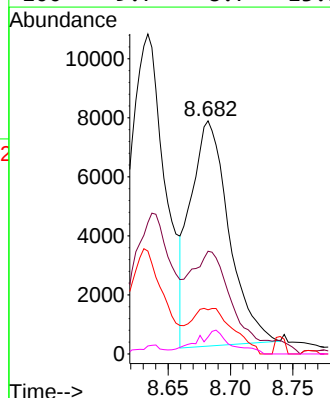
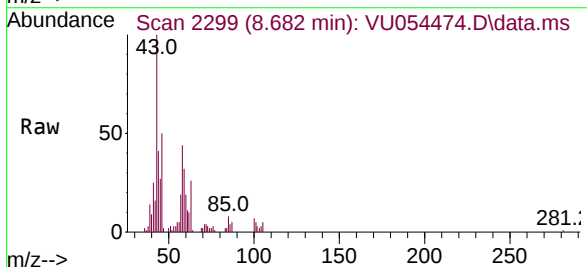
Ion Ratio Lower Upper

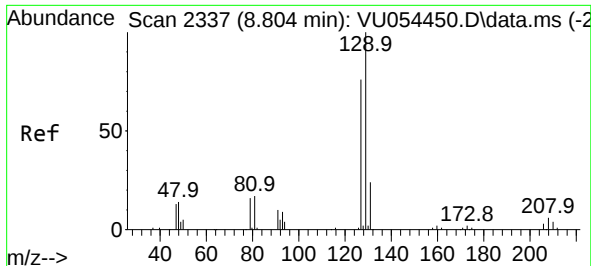
43 100

58 51.4 45.2 67.8

57 21.9 15.8 23.6

100 9.7 8.7 13.1

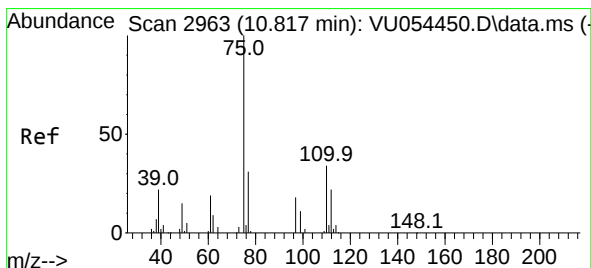
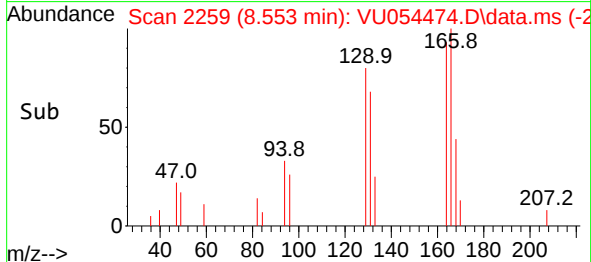
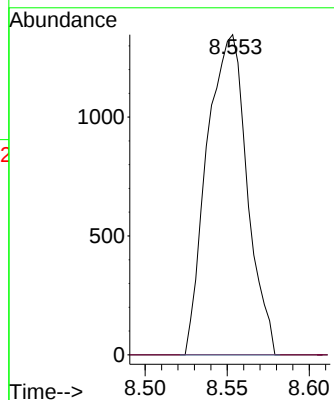
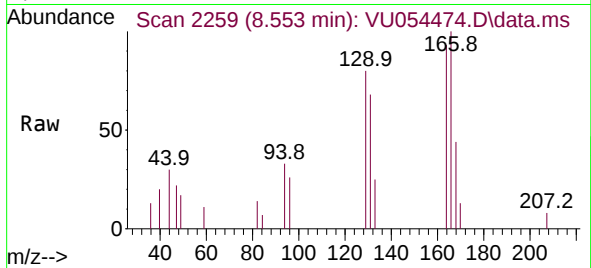




#49
Dibromochloromethane
Concen: 0.124 ug/L
RT: 8.553 min Scan# 21
Delta R.T. -0.251 min
Lab File: VU054474.D
Acq: 09 Jun 2023 19:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 2293
Ion Ratio Lower Upper
129 100
127 0.0 53.2 98.8#



#61
1,2,3-Trichloropropane
Concen: 1.203 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU054474.D
Acq: 09 Jun 2023 19:50

Tgt Ion: 75 Resp: 16578
Ion Ratio Lower Upper
75 100
110 3.2 28.0 42.0#
77 32.5 25.4 38.2

