

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
 Data File : VU056907.D
 Acq On : 16 Dec 2023 02:54
 Operator : MD/SY
 Sample : 05809-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F7C85

Quant Time: Dec 16 05:13:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

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

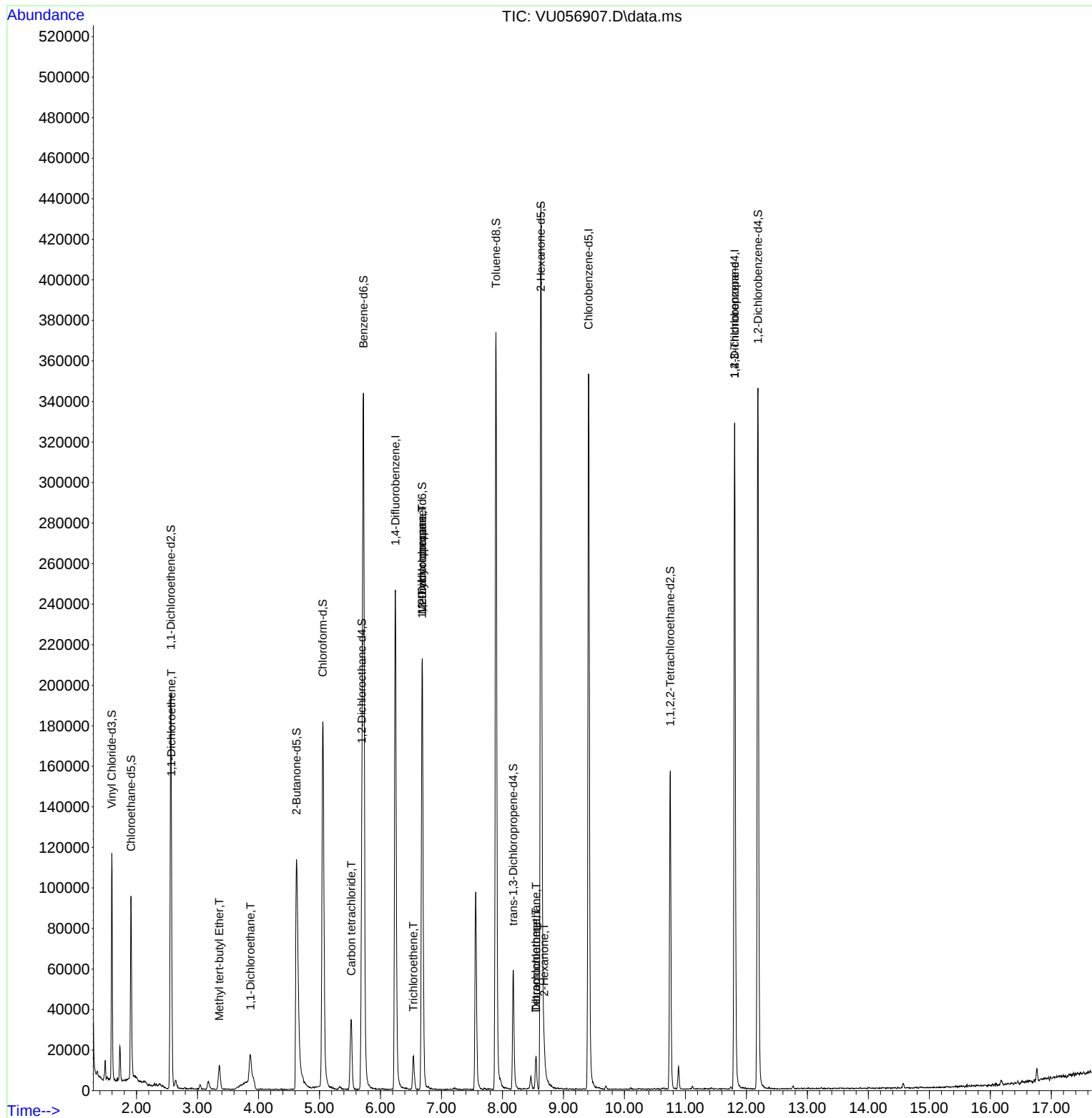
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	202133	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	209814	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	90206	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	79524	4.590	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	91.800%	
7) Chloroethane-d5	1.911	69	65662	5.064	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	101.200%	
11) 1,1-Dichloroethene-d2	2.563	65	35754	4.823	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	96.400%	
20) 2-Butanone-d5	4.624	46	199983	58.446	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	116.900%	
24) Chloroform-d	5.055	84	175636	5.353	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	107.000%	
26) 1,2-Dichloroethane-d4	5.695	65	89178	5.744	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	114.800%	
32) Benzene-d6	5.721	84	328534	5.048	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.000%	
36) 1,2-Dichloropropane-d6	6.685	67	106503	5.229	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	104.600%	
41) Toluene-d8	7.894	98	259528	4.462	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	89.200%	
43) trans-1,3-Dichloroprop...	8.177	79	36476	4.618	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	92.400%	
46) 2-Hexanone-d5	8.631	63	152149	51.069	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	102.140%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	79765	5.412	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	108.200%	
66) 1,2-Dichlorobenzene-d4	12.190	152	93427	5.269	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	105.400%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.573	96	7131	0.435	ug/L #	1
17) Methyl tert-butyl Ether	3.357	73	13007	0.357	ug/L	98
19) 1,1-Dichloroethane	3.869	63	15084	0.471	ug/L	99
31) Carbon tetrachloride	5.521	117	25194	0.956	ug/L	95
34) Trichloroethene	6.541	95	5800	0.287	ug/L	93
35) Methylcyclohexane	6.685	83	25851	0.866	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	11562	0.613	ug/L #	88
47) Tetrachloroethene	8.550	164	3575	0.253	ug/L	97
48) 2-Hexanone	8.685	43	3798	0.595	ug/L #	78
49) Dibromochloromethane	8.553	129	3658	0.250	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	10537	1.088	ug/L #	66

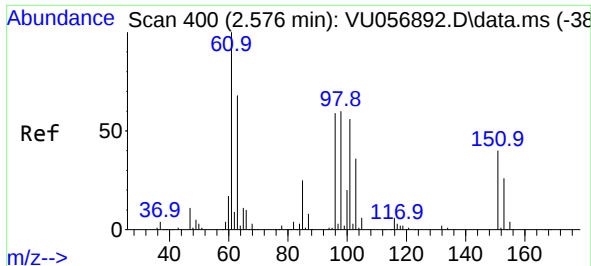
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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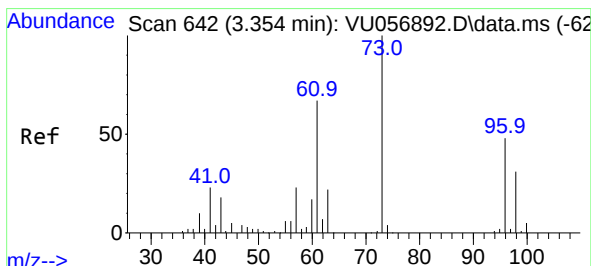
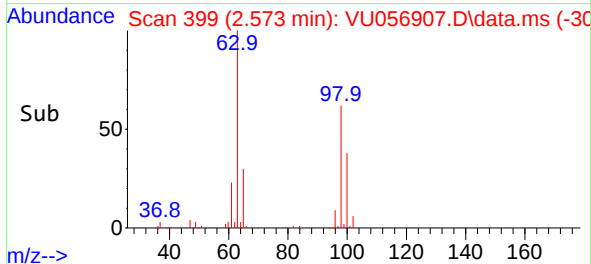
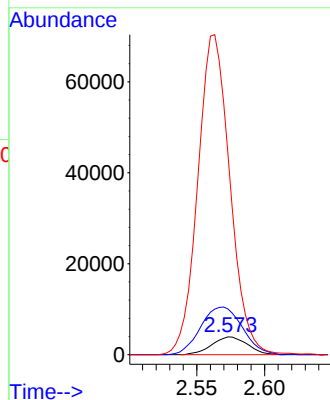
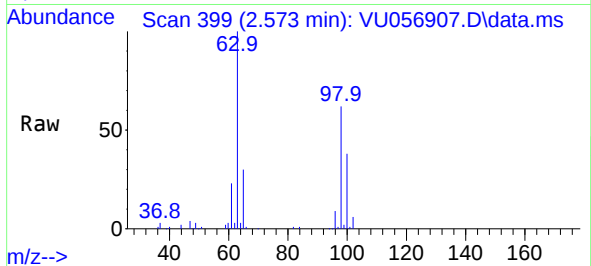




#12
1,1-Dichloroethene
Concen: 0.435 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU056907.D
Acq: 16 Dec 2023 02:54

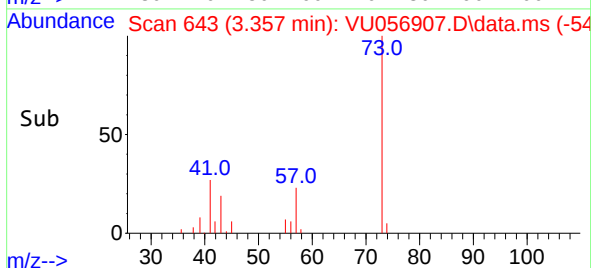
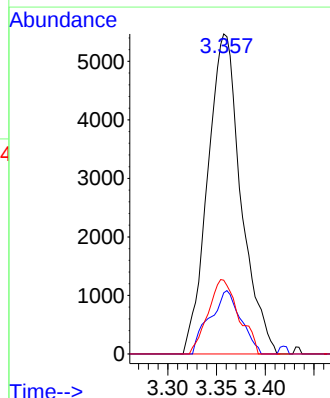
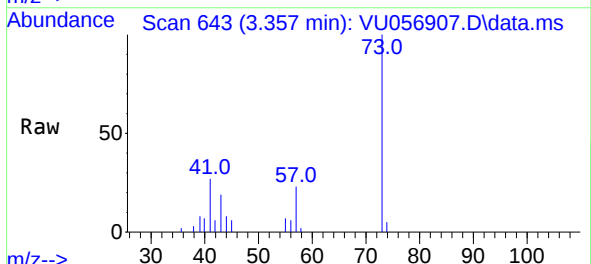
Instrument :
MSVOA_U
ClientSampleId :
F7C85

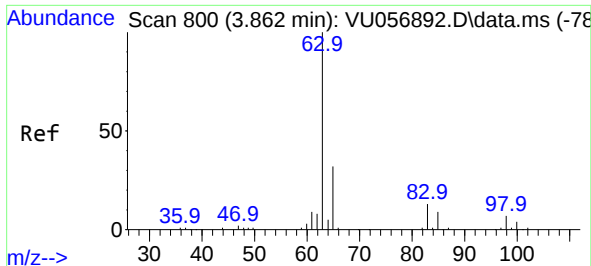
Tgt Ion: 96 Resp: 7131
Ion Ratio Lower Upper
96 100
61 258.2 119.0 221.0#
63 1139.2 88.7 164.7#



#17
Methyl tert-butyl Ether
Concen: 0.357 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU056907.D
Acq: 16 Dec 2023 02:54

Tgt Ion: 73 Resp: 13007
Ion Ratio Lower Upper
73 100
43 18.5 14.4 21.6
57 21.4 17.8 26.8

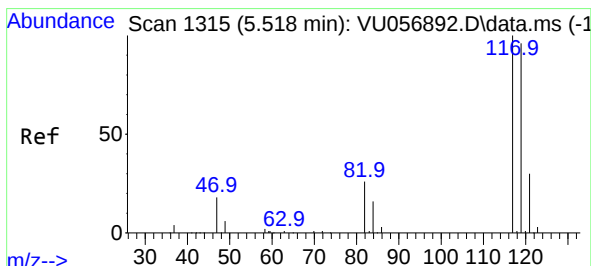
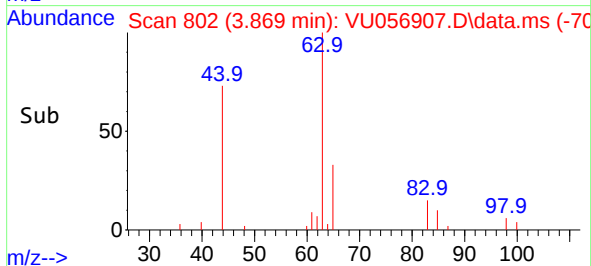
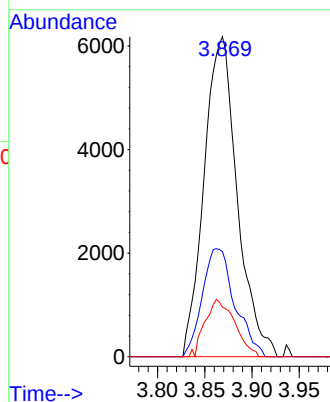
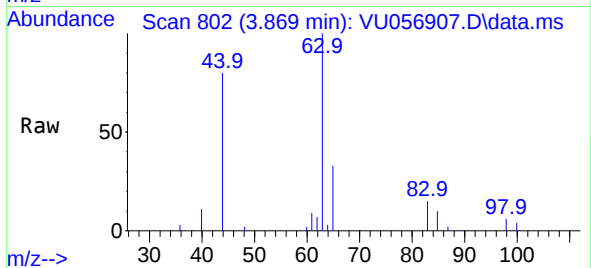




#19
1,1-Dichloroethane
Concen: 0.471 ug/L
RT: 3.869 min Scan# 80
Delta R.T. 0.006 min
Lab File: VU056907.D
Acq: 16 Dec 2023 02:54

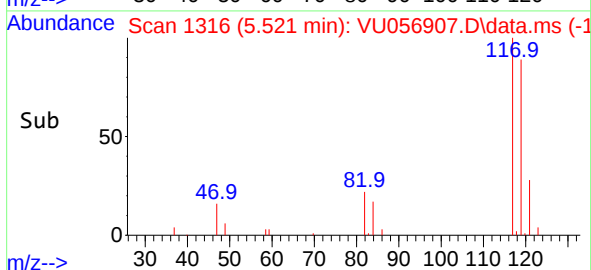
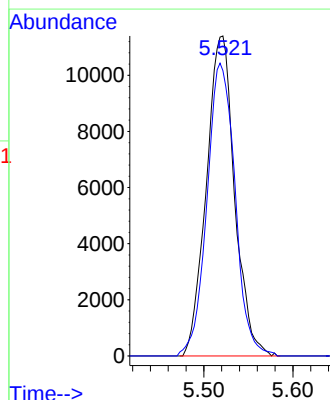
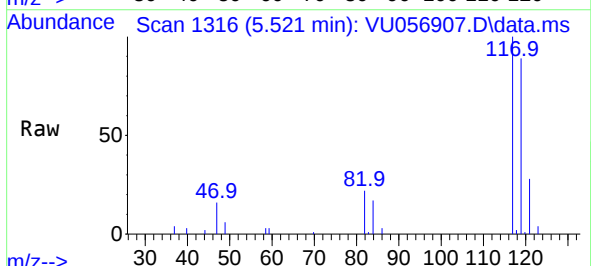
Instrument :
MSVOA_U
ClientSampleId :
F7C85

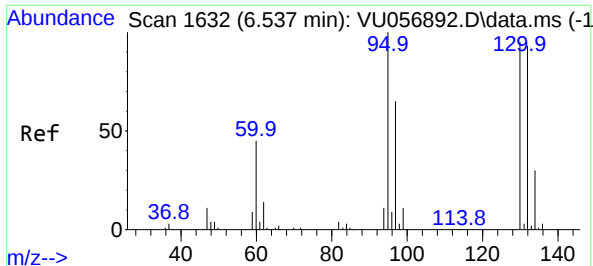
Tgt Ion: 63 Resp: 15084
Ion Ratio Lower Upper
63 100
65 32.8 22.9 42.5
83 15.4 10.1 18.9



#31
Carbon tetrachloride
Concen: 0.956 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.003 min
Lab File: VU056907.D
Acq: 16 Dec 2023 02:54

Tgt Ion: 117 Resp: 25194
Ion Ratio Lower Upper
117 100
119 90.7 76.2 114.4





#34

Trichloroethene

Concen: 0.287 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU056907.D

Acq: 16 Dec 2023 02:54

Instrument :

MSVOA_U

ClientSampleId :

F7C85

Tgt Ion: 95 Resp: 5800

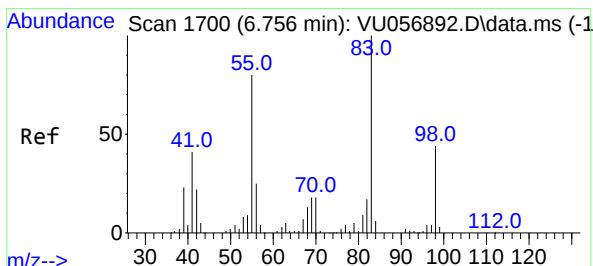
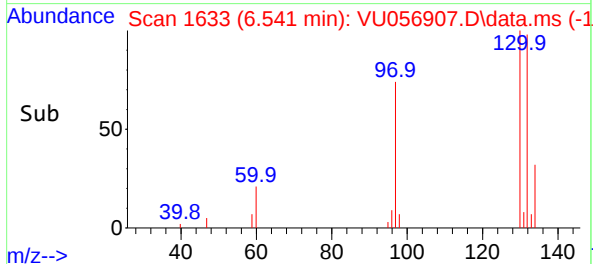
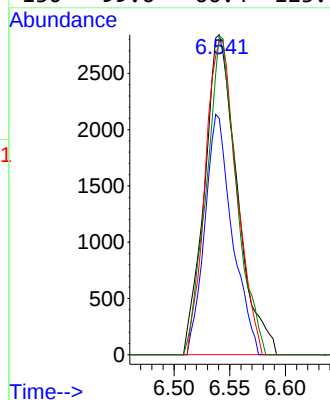
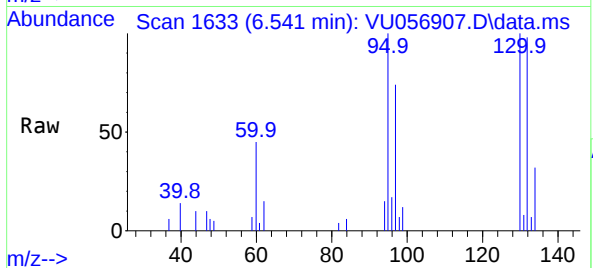
Ion Ratio Lower Upper

95 100

97 73.8 46.1 85.5

132 97.8 63.6 118.0

130 99.6 66.4 123.4



#35

Methylcyclohexane

Concen: 0.866 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU056907.D

Acq: 16 Dec 2023 02:54

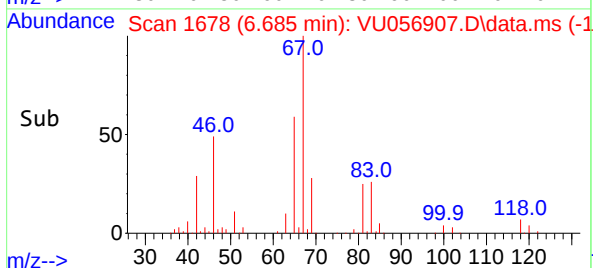
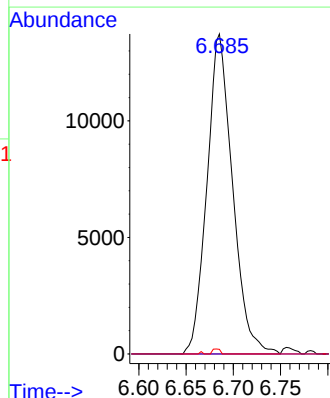
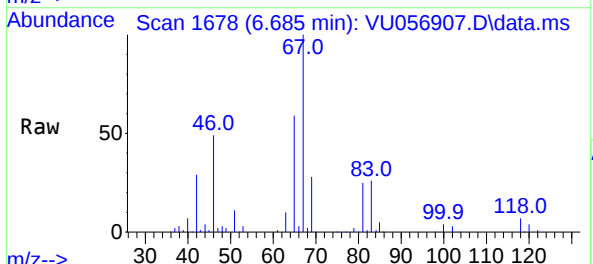
Tgt Ion: 83 Resp: 25851

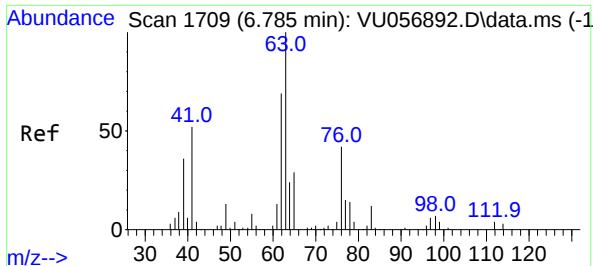
Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 0.5 36.1 54.1#

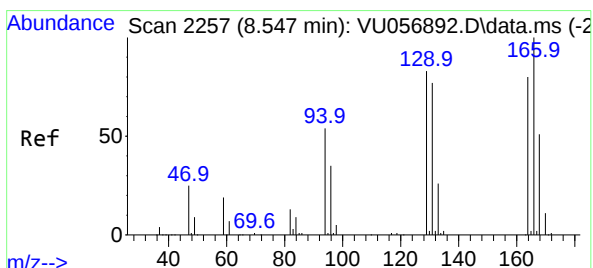
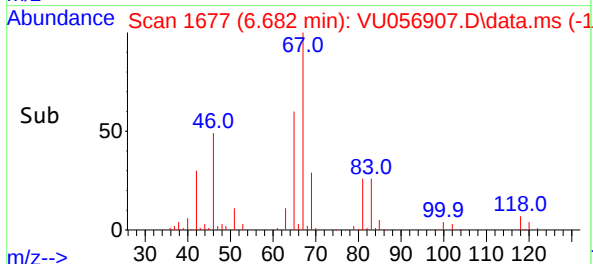
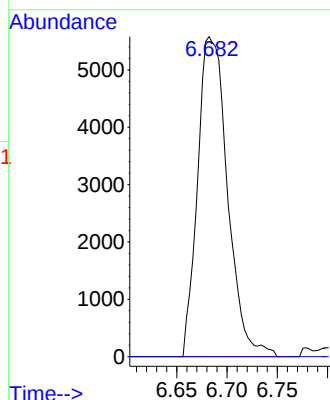
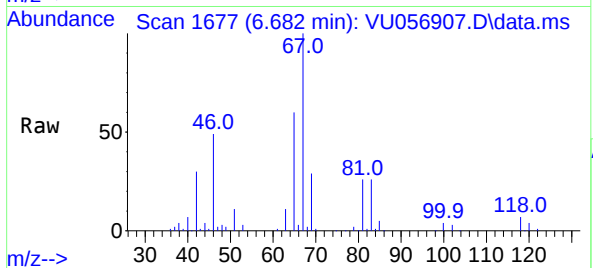




#37
1,2-Dichloropropane
Concen: 0.613 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU056907.D
Acq: 16 Dec 2023 02:54

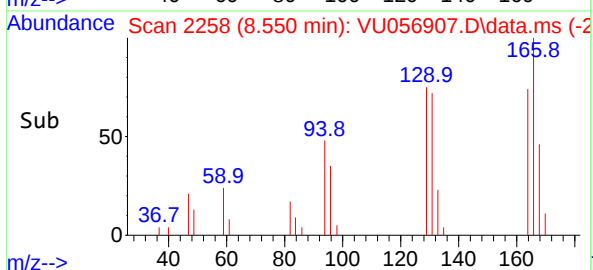
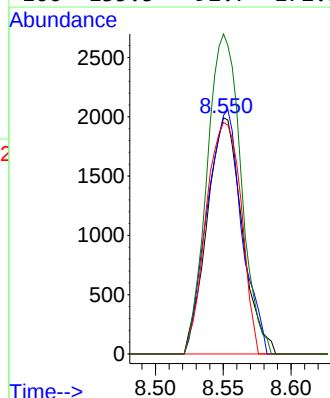
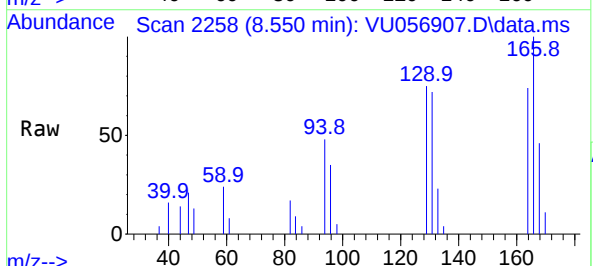
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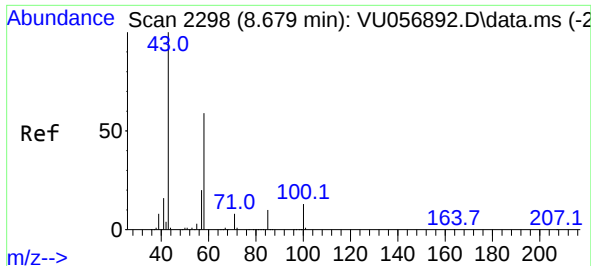
Tgt Ion: 63 Resp: 11562
Ion Ratio Lower Upper
63 100
112 0.2 3.3 4.9#



#47
Tetrachloroethene
Concen: 0.253 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056907.D
Acq: 16 Dec 2023 02:54

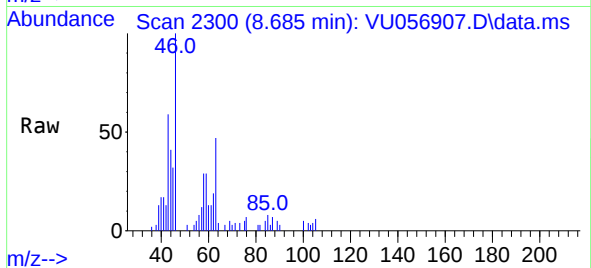
Tgt Ion: 164 Resp: 3575
Ion Ratio Lower Upper
164 100
129 101.0 73.4 136.4
131 98.0 71.5 132.9
166 135.5 92.7 172.1



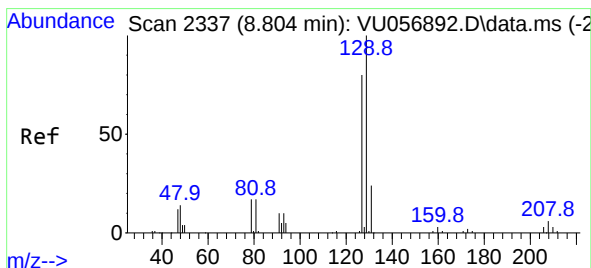
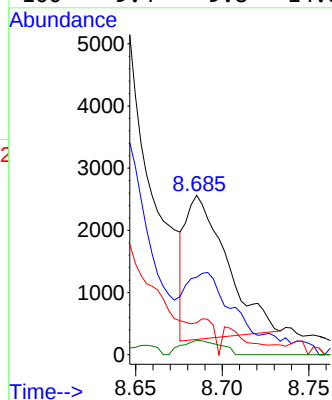
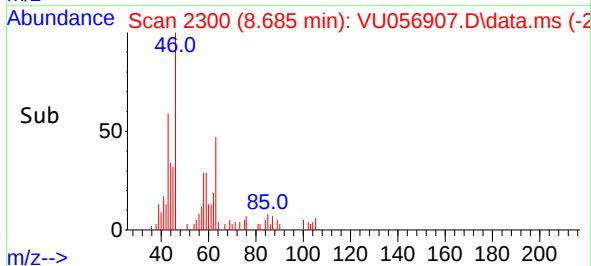


#48
2-Hexanone
Concen: 0.595 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU056907.D
Acq: 16 Dec 2023 02:54

Instrument :
MSVOA_U
ClientSampleId :
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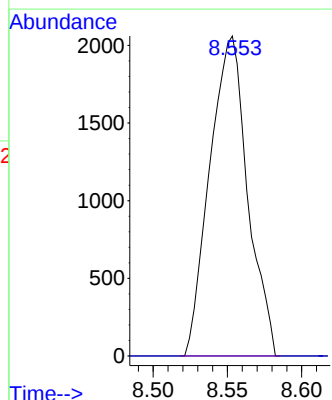
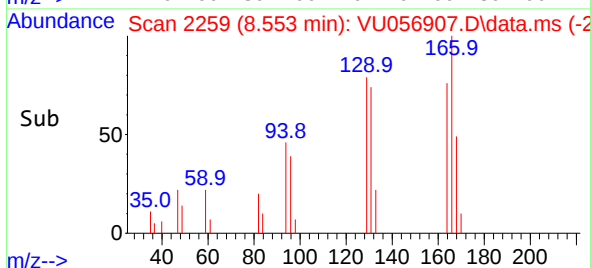
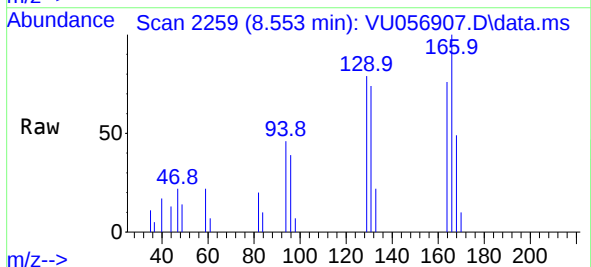


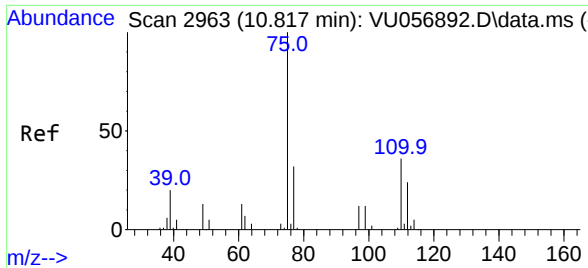
Tgt Ion: 43 Resp: 3798
Ion Ratio Lower Upper
43 100
58 80.6 47.5 71.3#
57 14.4 17.0 25.4#
100 9.4 9.8 14.8#



#49
Dibromochloromethane
Concen: 0.250 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.251 min
Lab File: VU056907.D
Acq: 16 Dec 2023 02:54

Tgt Ion: 129 Resp: 3658
Ion Ratio Lower Upper
129 100
127 0.0 53.9 100.1#





#61
1,2,3-Trichloropropane
Concen: 1.088 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU056907.D
Acq: 16 Dec 2023 02:54

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 75 Resp: 10537
Ion Ratio Lower Upper
75 100
110 1.3 28.4 42.6#
77 36.7 26.3 39.5

