

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056804.D
 Acq On : 12 Dec 2023 23:47
 Operator : MD/SY
 Sample : 05677-03DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AD7DL

Quant Time: Dec 13 04:58:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 01:32:29 2023
 Response via : Initial Calibration

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

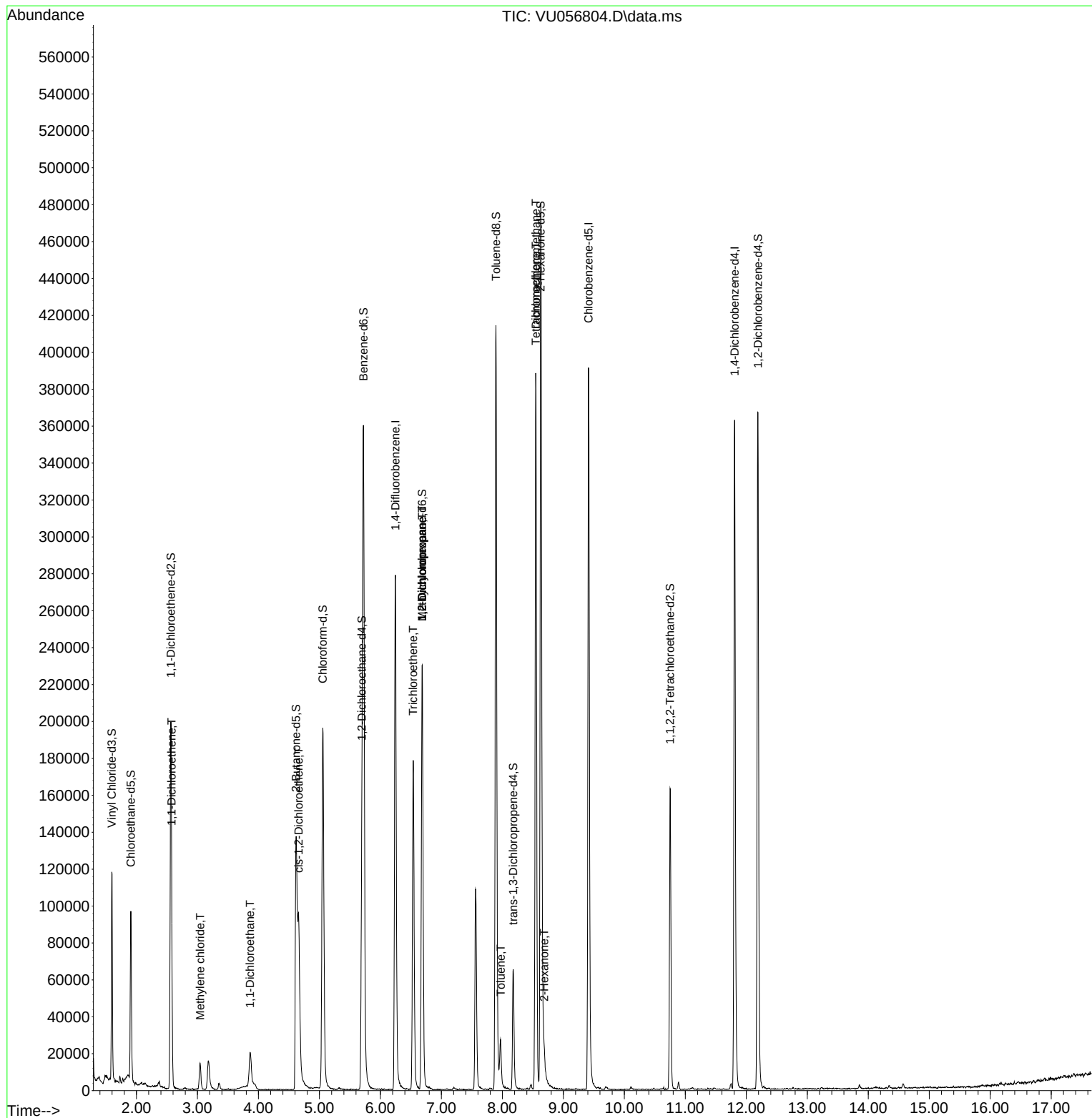
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	231308	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	230072	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	95357	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	80163	4.043	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.800%
7) Chloroethane-d5	1.907	69	71367	4.810	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.563	65	36035	4.248	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.000%
20) 2-Butanone-d5	4.618	46	210850	53.850	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.700%
24) Chloroform-d	5.055	84	187812	5.002	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
26) 1,2-Dichloroethane-d4	5.695	65	92538	5.209	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
32) Benzene-d6	5.721	84	352025	4.933	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.682	67	115209	5.158	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.200%
41) Toluene-d8	7.894	98	288230	4.519	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	8.177	79	40904	4.722	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.400%
46) 2-Hexanone-d5	8.627	63	164902	50.476	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.960%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	82885	5.129	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	98618	5.261	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.200%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	11431	0.609	ug/L #	1
16) Methylene chloride	3.046	84	7034	0.344	ug/L	94
19) 1,1-Dichloroethane	3.862	63	22329	0.610	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	35077	1.693	ug/L	97
34) Trichloroethene	6.538	95	66074	2.979	ug/L	96
35) Methylcyclohexane	6.682	83	25859	0.790	ug/L #	17
37) 1,2-Dichloropropane	6.685	63	12294	0.594	ug/L #	88
42) Toluene	7.972	91	19151	0.229	ug/L	98
47) Tetrachloroethene	8.550	164	84288	5.430	ug/L	96
48) 2-Hexanone	8.685	43	7441	1.064	ug/L #	55
49) Dibromochloromethane	8.547	129	86836	5.403	ug/L #	11

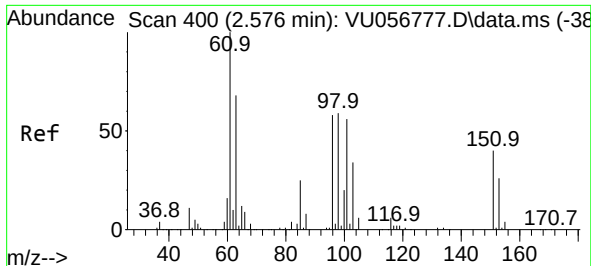
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.609 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU056804.D

Acq: 12 Dec 2023 23:47

Instrument :

MSVOA_U

ClientSampleId :

H0AD7DL

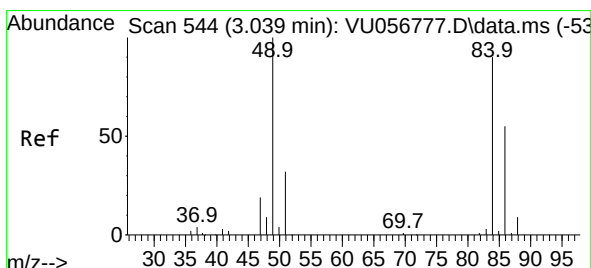
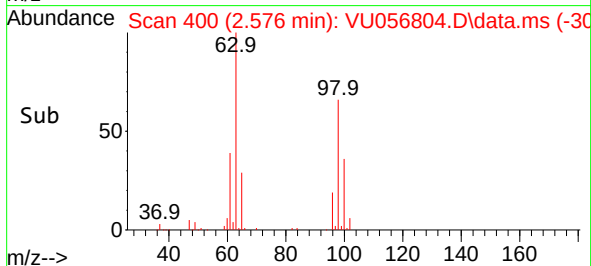
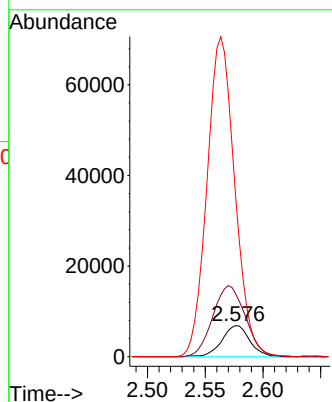
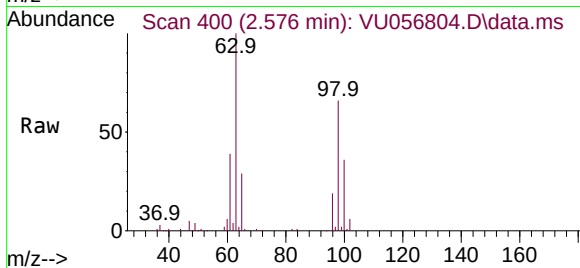
Tgt Ion: 96 Resp: 11431

Ion Ratio Lower Upper

96 100

61 202.6 119.0 221.0

63 518.8 88.7 164.7#



#16

Methylene chloride

Concen: 0.344 ug/L

RT: 3.046 min Scan# 546

Delta R.T. 0.007 min

Lab File: VU056804.D

Acq: 12 Dec 2023 23:47

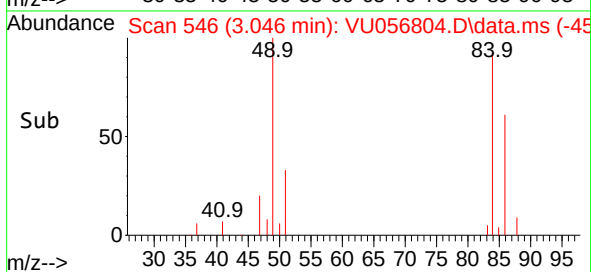
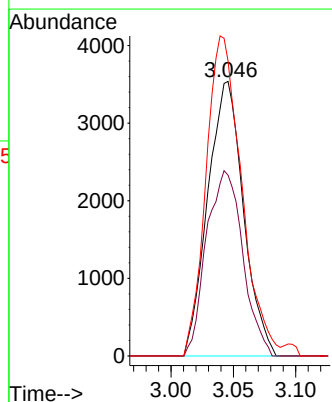
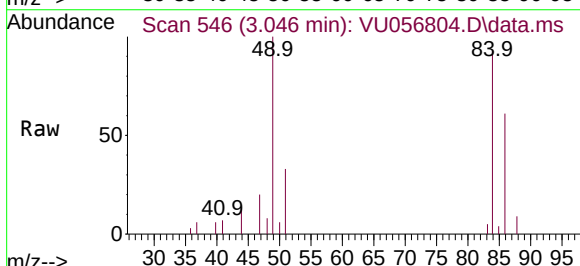
Tgt Ion: 84 Resp: 7034

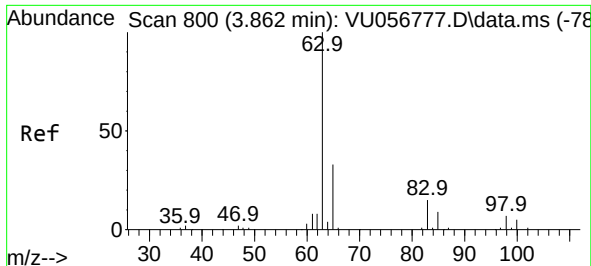
Ion Ratio Lower Upper

84 100

86 65.8 43.6 81.0

49 107.5 80.6 149.6





#19

1,1-Dichloroethane

Concen: 0.610 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU056804.D

Acq: 12 Dec 2023 23:47

Instrument :

MSVOA_U

ClientSampleId :

H0AD7DL

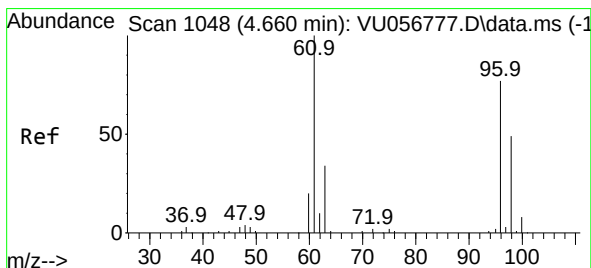
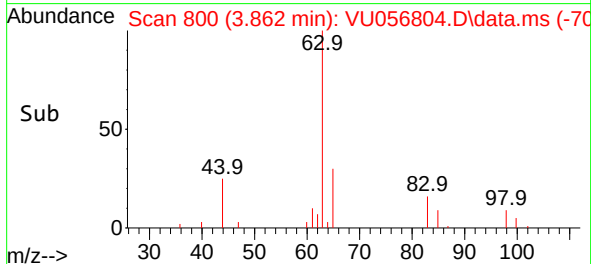
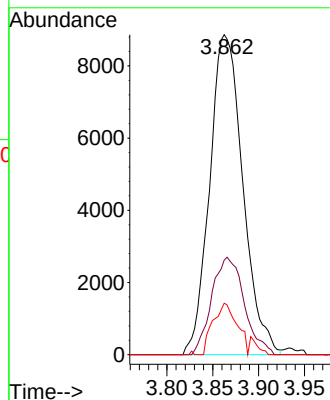
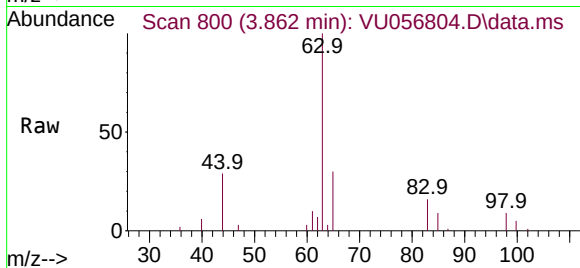
Tgt Ion: 63 Resp: 22329

Ion Ratio Lower Upper

63 100

65 29.6 22.9 42.5

83 16.1 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 1.693 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU056804.D

Acq: 12 Dec 2023 23:47

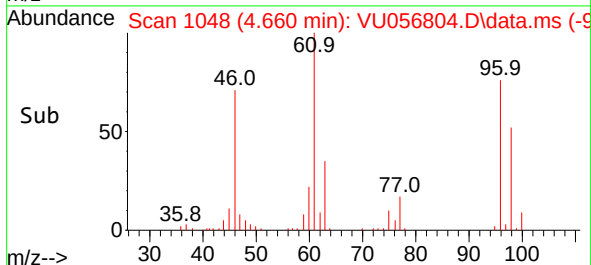
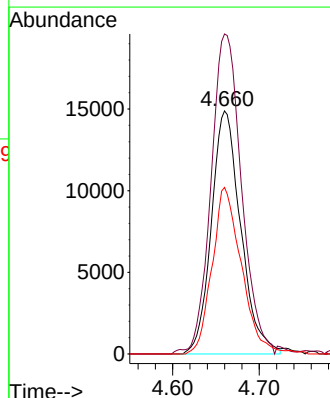
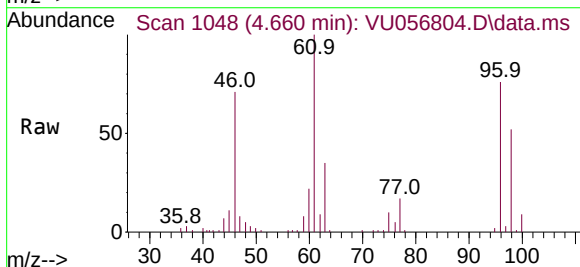
Tgt Ion: 96 Resp: 35077

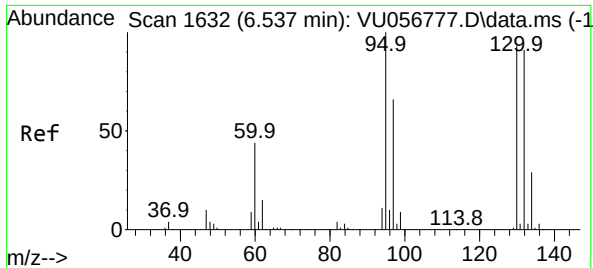
Ion Ratio Lower Upper

96 100

61 131.6 91.3 169.6

98 68.5 44.2 82.0

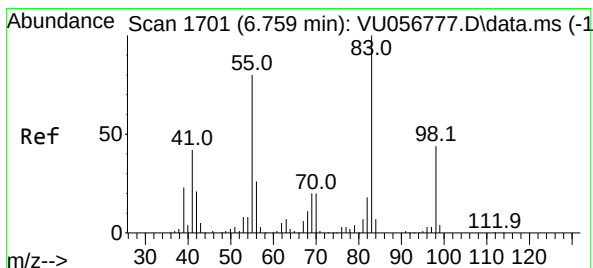
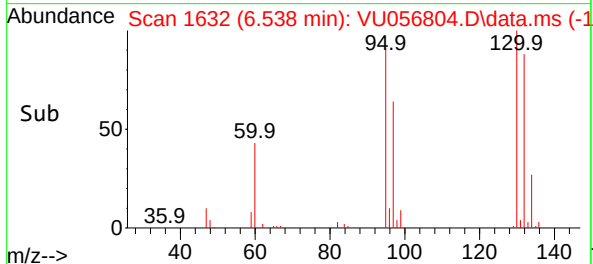
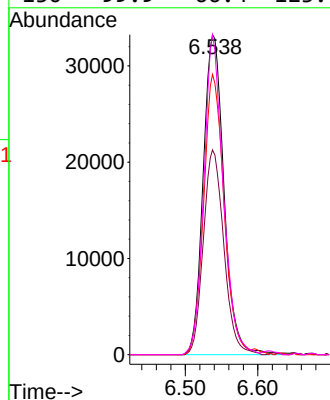
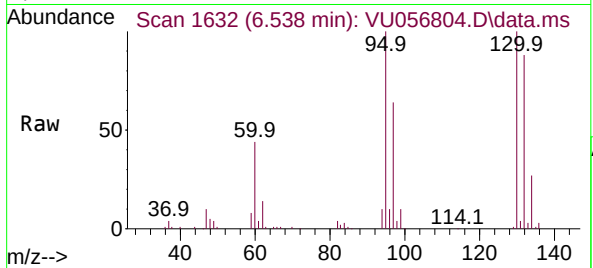




#34
Trichloroethene
Concen: 2.979 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU056804.D
Acq: 12 Dec 2023 23:47

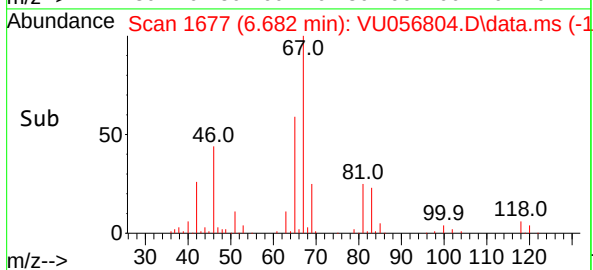
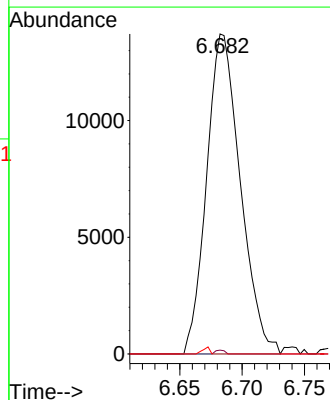
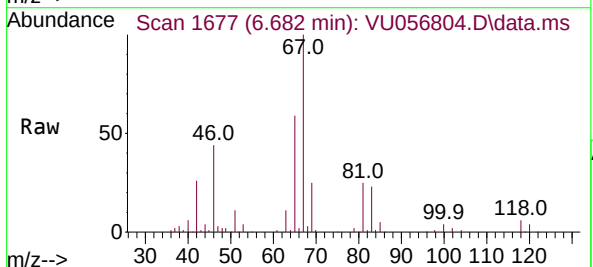
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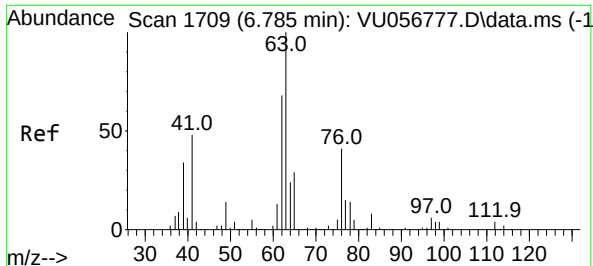
Tgt Ion:	95	Resp:	66074
Ion	Ratio	Lower	Upper
95	100		
97	64.0	46.1	85.5
132	87.6	63.6	118.0
130	99.9	66.4	123.4



#35
Methylcyclohexane
Concen: 0.790 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU056804.D
Acq: 12 Dec 2023 23:47

Tgt Ion:	83	Resp:	25859
Ion	Ratio	Lower	Upper
83	100		
55	0.3	64.6	97.0#
98	0.7	36.1	54.1#





#37

1,2-Dichloropropane

Concen: 0.594 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU056804.D

Acq: 12 Dec 2023 23:47

Instrument :

MSVOA_U

ClientSampleId :

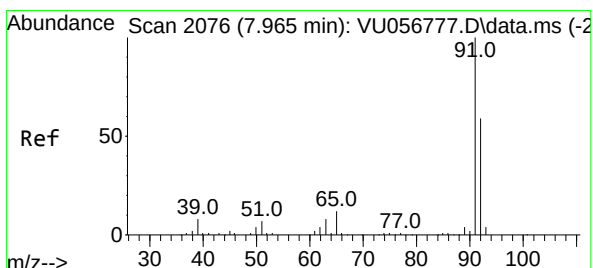
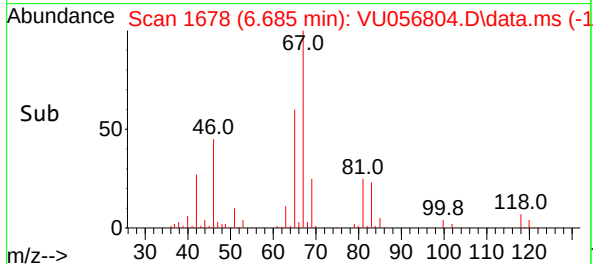
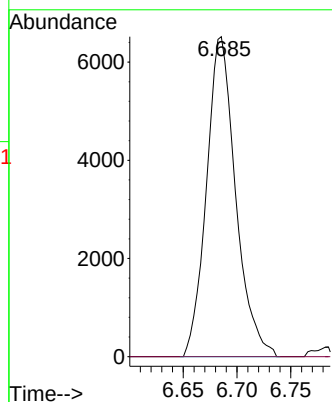
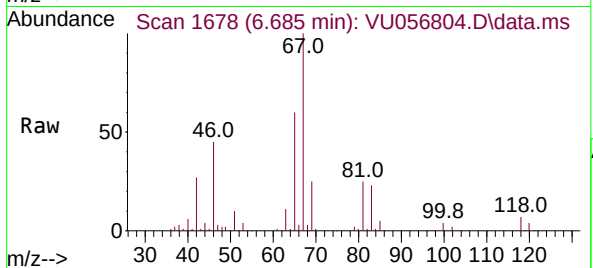
H0AD7DL

Tgt Ion: 63 Resp: 12294

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#42

Toluene

Concen: 0.229 ug/L

RT: 7.972 min Scan# 2078

Delta R.T. 0.007 min

Lab File: VU056804.D

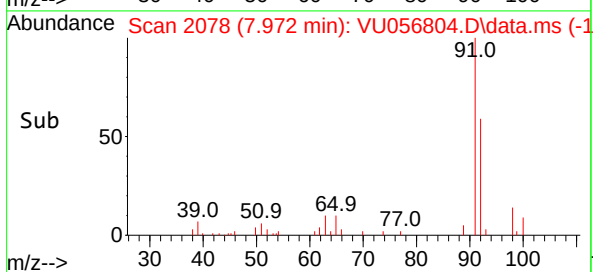
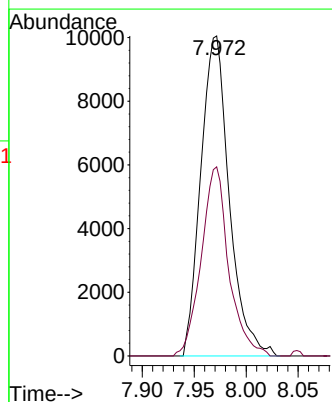
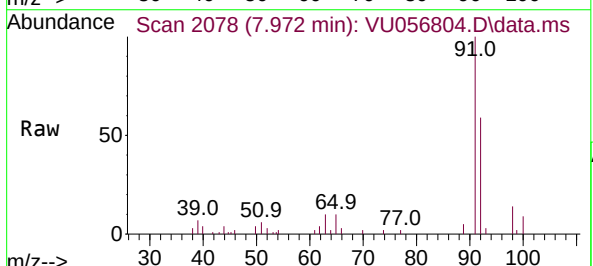
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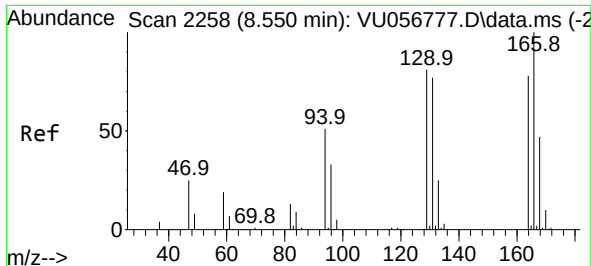
Tgt Ion: 91 Resp: 19151

Ion Ratio Lower Upper

91 100

92 59.1 40.4 75.0

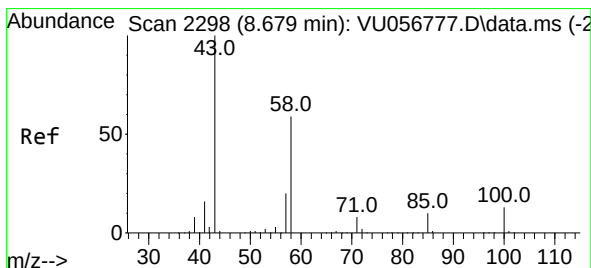
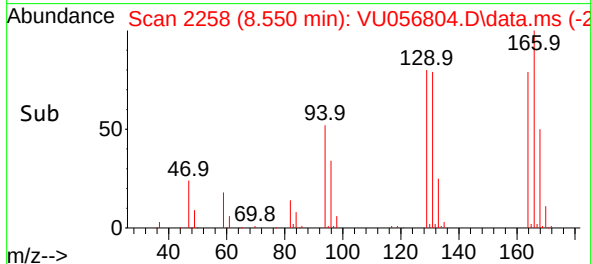
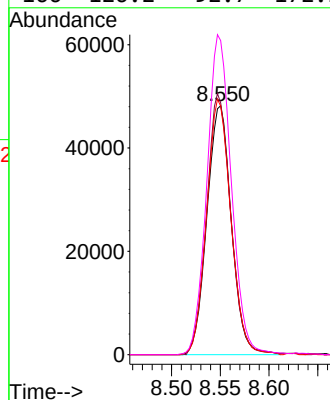
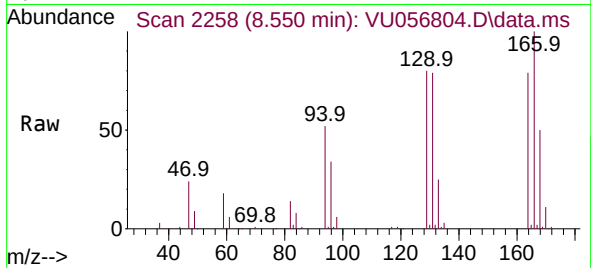




#47
Tetrachloroethene
Concen: 5.430 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056804.D
Acq: 12 Dec 2023 23:47

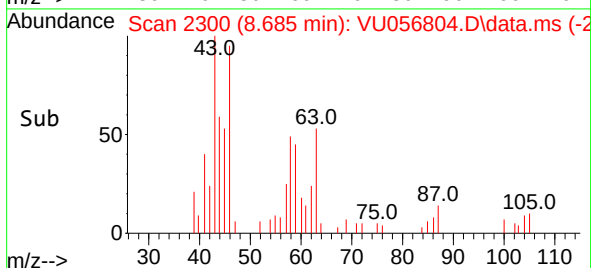
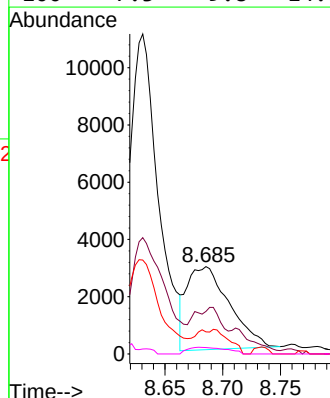
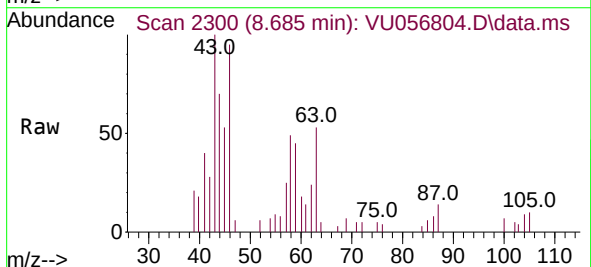
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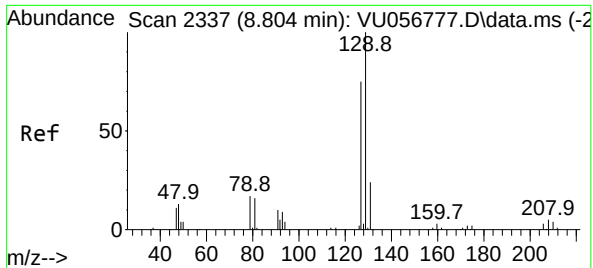
Tgt Ion:164 Resp: 84288
Ion Ratio Lower Upper
164 100
129 101.2 73.4 136.4
131 99.8 71.5 132.9
166 126.2 92.7 172.1



#48
2-Hexanone
Concen: 1.064 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.007 min
Lab File: VU056804.D
Acq: 12 Dec 2023 23:47

Tgt Ion: 43 Resp: 7441
Ion Ratio Lower Upper
43 100
58 18.5 47.5 71.3#
57 2.8 17.0 25.4#
100 7.3 9.8 14.8#





#49
 Dibromochloromethane
 Concen: 5.403 ug/L
 RT: 8.547 min Scan# 21
 Delta R.T. -0.257 min
 Lab File: VU056804.D
 Acq: 12 Dec 2023 23:47

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AD7DL

Tgt Ion:129 Resp: 86836
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.9 100.1#

