

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057099.D
 Acq On : 20 Dec 2023 18:04
 Operator : MD/SY
 Sample : 05866-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 23:47:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 23:41:59 2023
 Response via : Initial Calibration

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

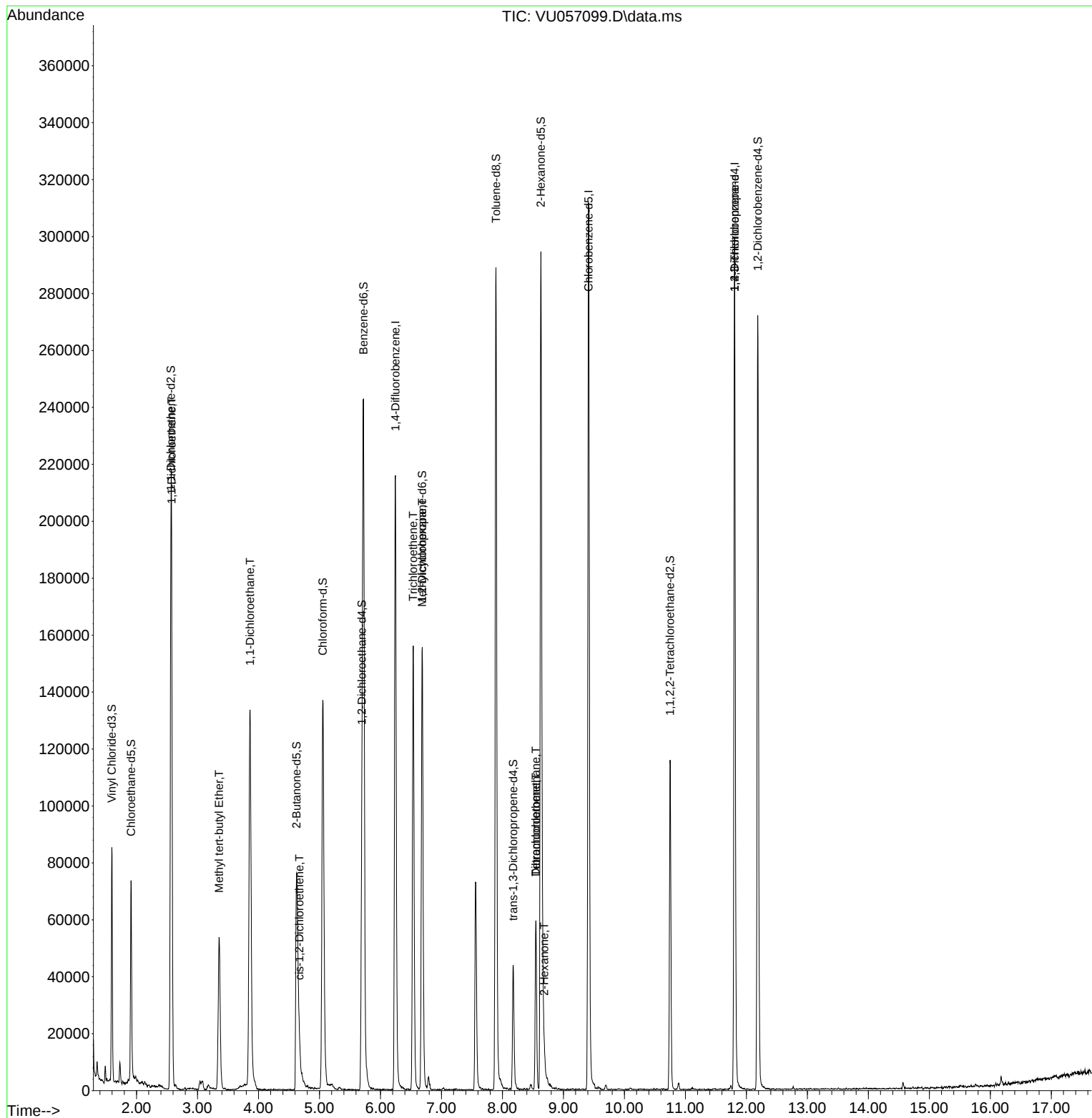
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	173162	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	181203	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	78976	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	57504	3.874	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.400%
7) Chloroethane-d5	1.911	69	52020	4.683	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.563	65	26038	4.100	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.000%
20) 2-Butanone-d5	4.624	46	126524	43.164	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.320%
24) Chloroform-d	5.055	84	132397	4.710	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.695	65	68959	5.185	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.721	84	233893	4.161	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	6.685	67	72858	4.142	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.800%
41) Toluene-d8	7.894	98	200502	3.991	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
43) trans-1,3-Dichloroprop...	8.177	79	27812	4.077	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.600%
46) 2-Hexanone-d5	8.631	63	101770	39.553	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.100%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	57343	4.505	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	72437	4.666	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	43502	3.094	ug/L	92
17) Methyl tert-butyl Ether	3.354	73	58729	1.884	ug/L	97
19) 1,1-Dichloroethane	3.862	63	149837	5.465	ug/L	98
22) cis-1,2-Dichloroethene	4.669	96	2460	0.159	ug/L	93
34) Trichloroethene	6.537	95	54086	3.096	ug/L	99
35) Methylcyclohexane	6.682	83	18596	0.721	ug/L #	18
47) Tetrachloroethene	8.550	164	12553	1.027	ug/L	91
48) 2-Hexanone	8.685	43	3838	0.697	ug/L #	43
49) Dibromochloromethane	8.547	129	13233	1.045	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	9575	1.129	ug/L #	68

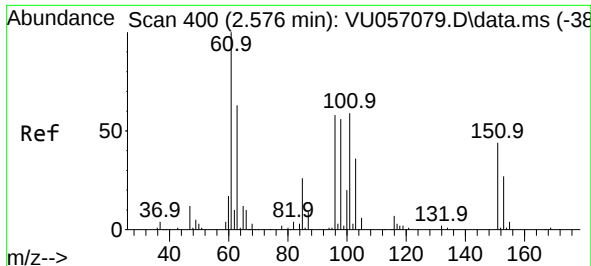
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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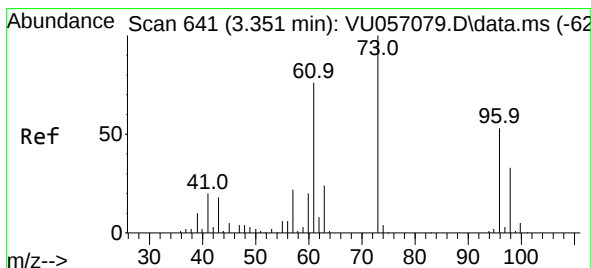
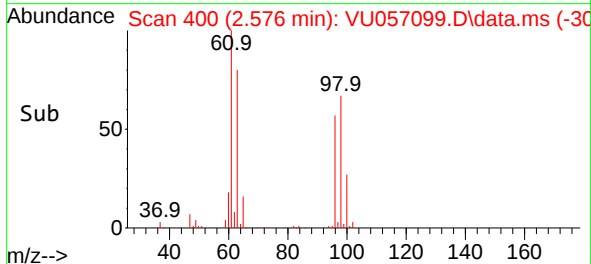
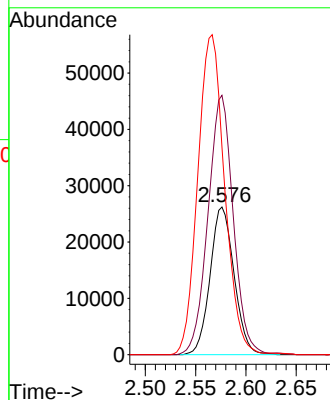
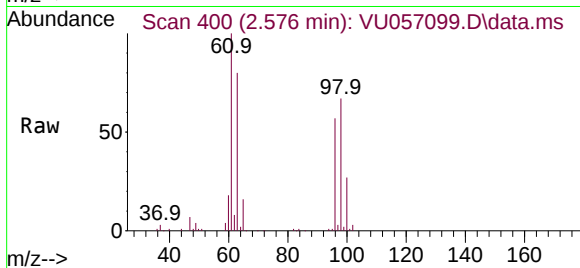




#12
1,1-Dichloroethene
Concen: 3.094 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU057099.D
Acq: 20 Dec 2023 18:04

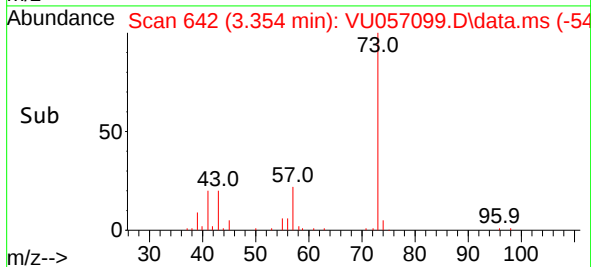
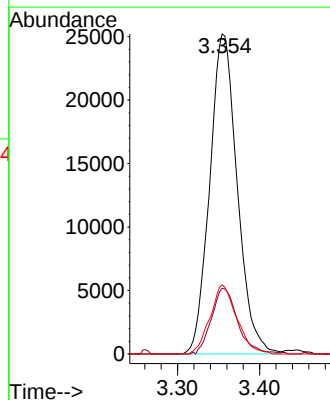
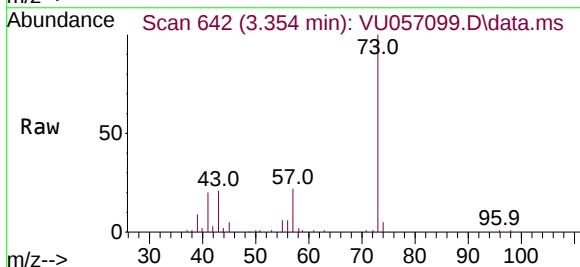
Instrument :
MSVOA_U
ClientSampleId :

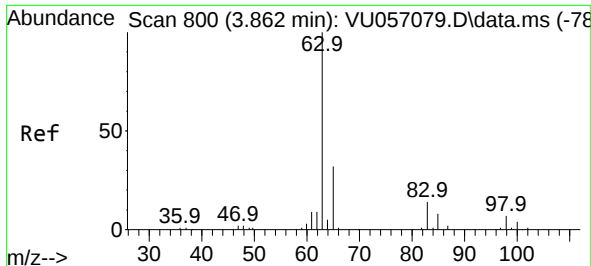
Tgt Ion: 96 Resp: 43502
Ion Ratio Lower Upper
96 100
61 175.6 119.0 221.0
63 140.7 88.7 164.7



#17
Methyl tert-butyl Ether
Concen: 1.884 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU057099.D
Acq: 20 Dec 2023 18:04

Tgt Ion: 73 Resp: 58729
Ion Ratio Lower Upper
73 100
43 19.6 14.4 21.6
57 20.9 17.8 26.8





#19

1,1-Dichloroethane

Concen: 5.465 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU057099.D

Acq: 20 Dec 2023 18:04

Instrument :

MSVOA_U

ClientSampleId :

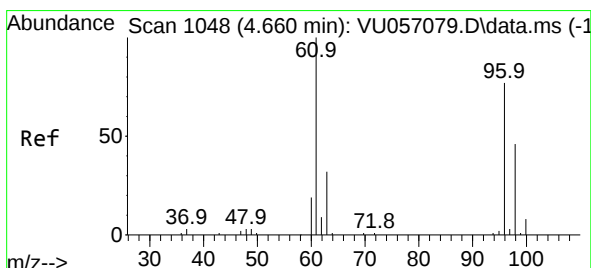
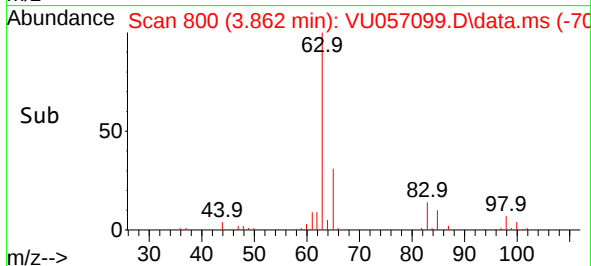
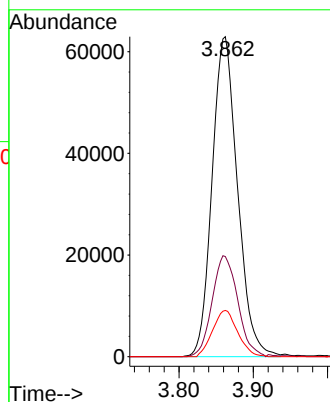
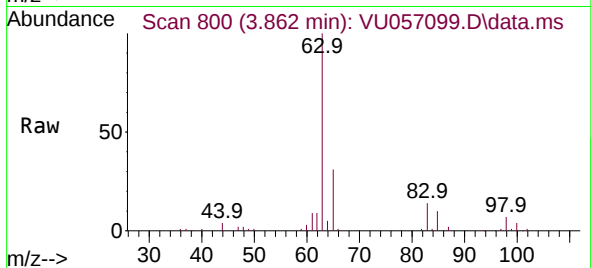
Tgt Ion: 63 Resp: 149837

Ion Ratio Lower Upper

63 100

65 31.3 22.9 42.5

83 14.4 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 0.159 ug/L

RT: 4.669 min Scan# 1051

Delta R.T. 0.010 min

Lab File: VU057099.D

Acq: 20 Dec 2023 18:04

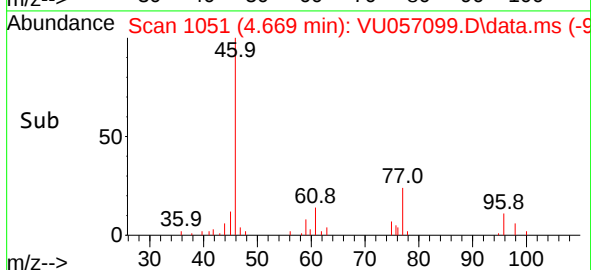
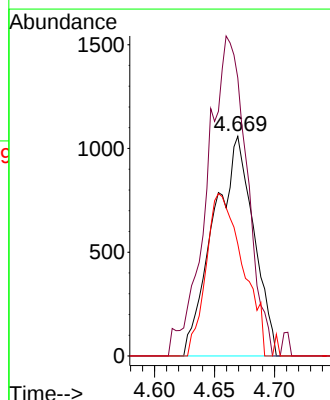
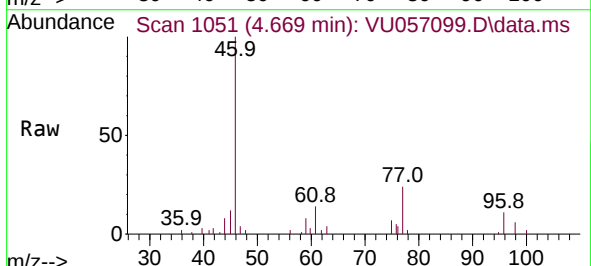
Tgt Ion: 96 Resp: 2460

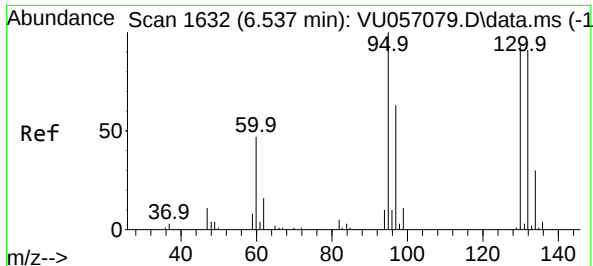
Ion Ratio Lower Upper

96 100

61 126.5 91.3 169.6

98 51.0 44.2 82.0

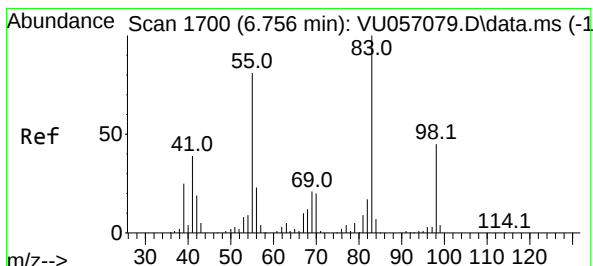
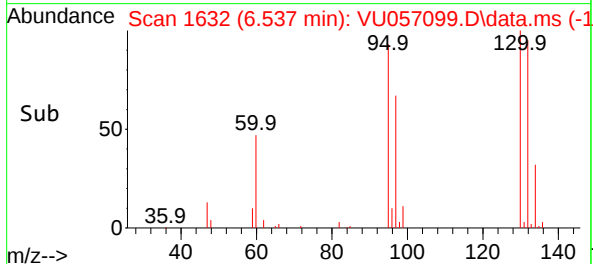
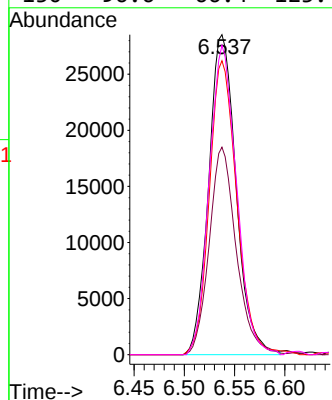
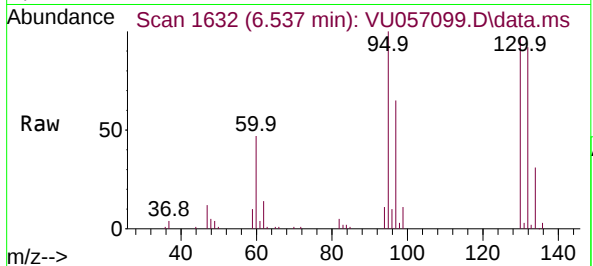




#34
Trichloroethene
Concen: 3.096 ug/L
RT: 6.537 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VU057099.D
Acq: 20 Dec 2023 18:04

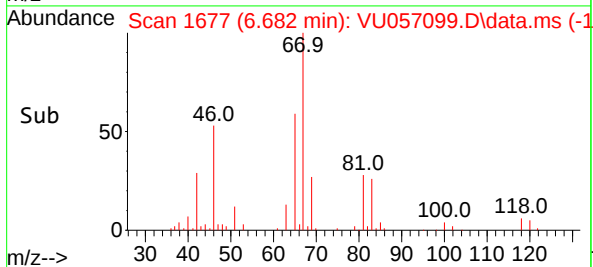
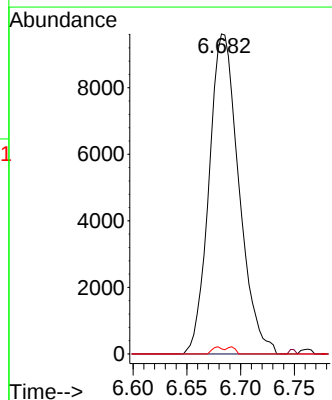
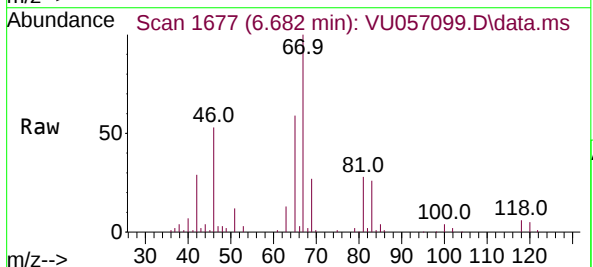
Instrument :
MSVOA_U
ClientSampleId :

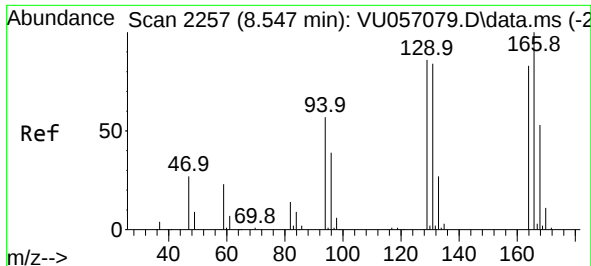
Tgt Ion: 95 Resp: 54086
Ion Ratio Lower Upper
95 100
97 64.8 46.1 85.5
132 91.8 63.6 118.0
130 96.6 66.4 123.4



#35
Methylcyclohexane
Concen: 0.721 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU057099.D
Acq: 20 Dec 2023 18:04

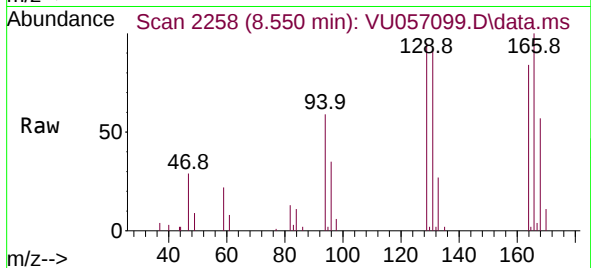
Tgt Ion: 83 Resp: 18596
Ion Ratio Lower Upper
83 100
55 0.3 64.6 97.0#
98 0.8 36.1 54.1#



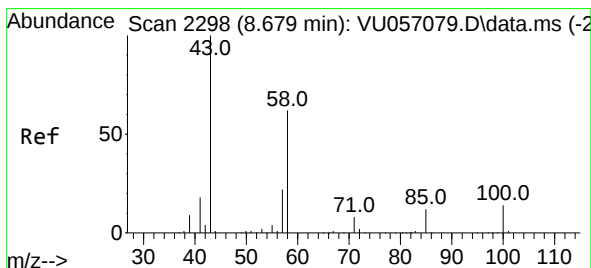
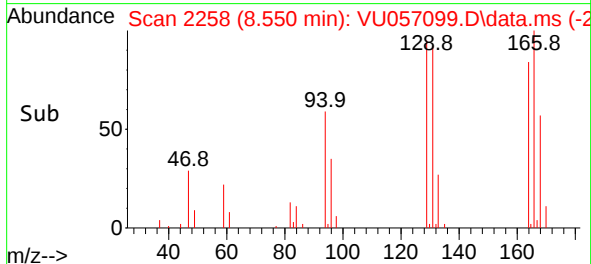
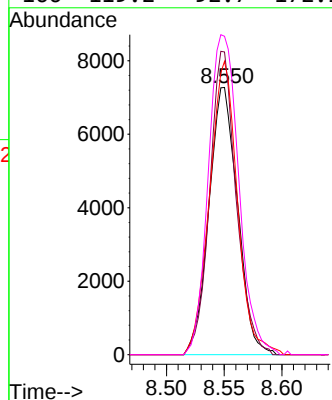


#47
Tetrachloroethene
Concen: 1.027 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057099.D
Acq: 20 Dec 2023 18:04

Instrument :
MSVOA_U
ClientSampleId :

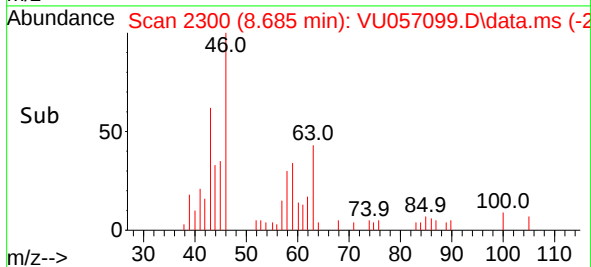
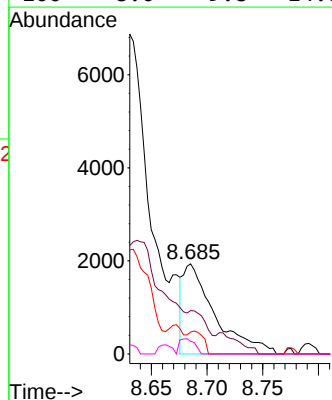
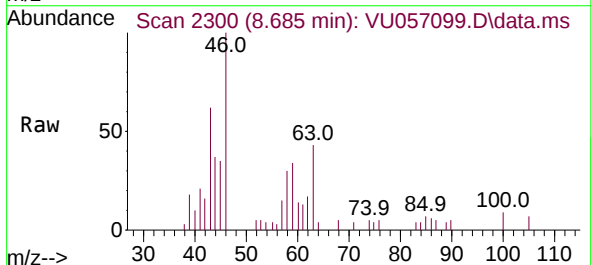


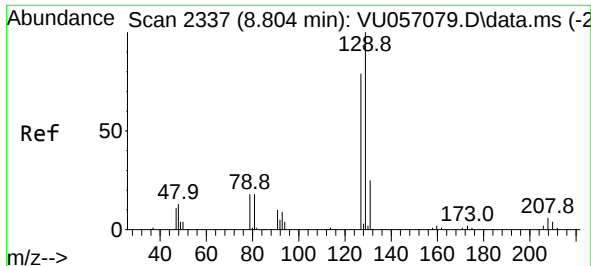
Tgt Ion:	164	Resp:	12553
Ion	Ratio	Lower	Upper
164	100		
129	113.3	73.4	136.4
131	109.8	71.5	132.9
166	119.2	92.7	172.1



#48
2-Hexanone
Concen: 0.697 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.006 min
Lab File: VU057099.D
Acq: 20 Dec 2023 18:04

Tgt Ion:	43	Resp:	3838
Ion	Ratio	Lower	Upper
43	100		
58	0.0	47.5	71.3#
57	10.8	17.0	25.4#
100	8.0	9.8	14.8#





#49

Dibromochloromethane

Concen: 1.045 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU057099.D

Acq: 20 Dec 2023 18:04

Instrument :

MSVOA_U

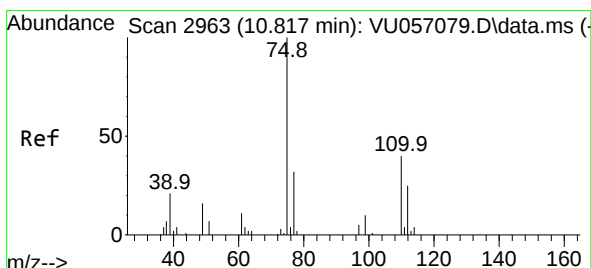
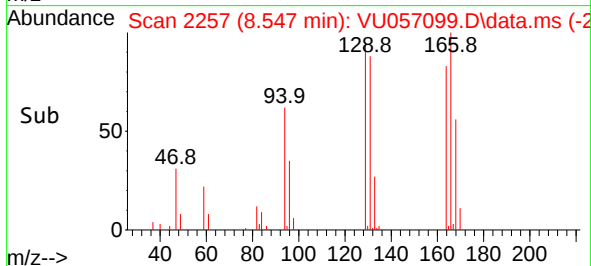
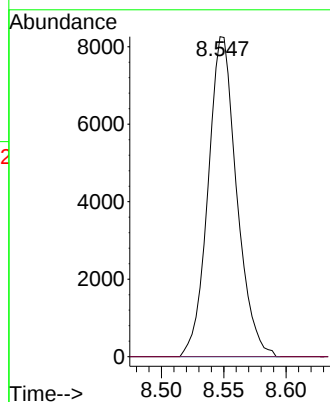
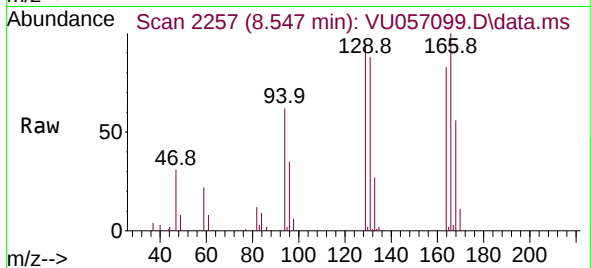
ClientSampleId :

Tgt Ion:129 Resp: 13233

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#



#61

1,2,3-Trichloropropane

Concen: 1.129 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU057099.D

Acq: 20 Dec 2023 18:04

Tgt Ion: 75 Resp: 9575

Ion Ratio Lower Upper

75 100

110 0.6 28.4 42.6#

77 31.8 26.3 39.5

