

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111023\
 Data File : VU056185.D
 Acq On : 10 Nov 2023 21:23
 Operator : MD/SY
 Sample : 05340-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 11 01:42:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 11 00:40:59 2023
 Response via : Initial Calibration

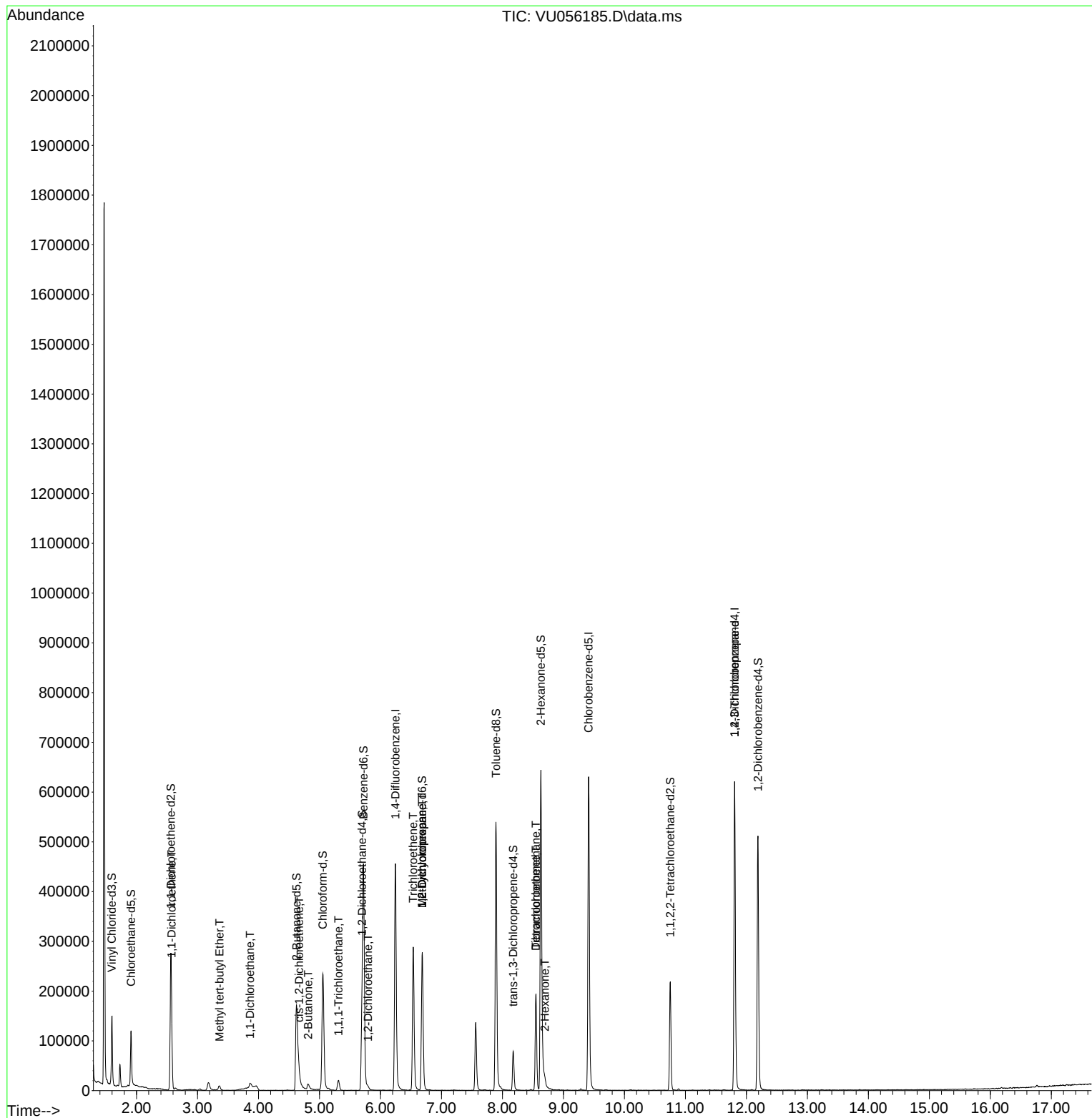
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	395655	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	390088	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	176451	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	102027	4.154	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	83.000%	
7) Chloroethane-d5	1.911	69	83350	5.001	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	100.000%	
11) 1,1-Dichloroethene-d2	2.563	65	46868	4.332	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	86.600%	
20) 2-Butanone-d5	4.624	46	268751	66.705	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	133.420%#	
24) Chloroform-d	5.055	84	230825	4.938	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.800%	
26) 1,2-Dichloroethane-d4	5.698	65	109905	5.339	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	106.800%	
32) Benzene-d6	5.721	84	452609	4.831	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.600%	
36) 1,2-Dichloropropane-d6	6.685	67	138912	5.037	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	100.800%	
41) Toluene-d8	7.894	98	382464	4.455	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	89.000%	
43) trans-1,3-Dichloroprop...	8.177	79	49909	4.734	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	94.600%	
46) 2-Hexanone-d5	8.631	63	228678	66.183	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	132.360%#	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	111565	5.668	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	113.400%	
66) 1,2-Dichlorobenzene-d4	12.190	152	141071	5.184	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	103.600%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.576	96	21947	0.863	ug/L #	1
17) Methyl tert-butyl Ether	3.361	73	9943	0.174	ug/L #	94
19) 1,1-Dichloroethane	3.862	63	10001	0.203	ug/L	93
21) 2-Butanone	4.814	43	17006	3.470	ug/L #	46
22) cis-1,2-Dichloroethene	4.666	96	4740	0.163	ug/L	95
27) 1,2-Dichloroethane	5.798	62	4627	0.156	ug/L #	89
29) 1,1,1-Trichloroethane	5.312	97	16841	0.377	ug/L	94
34) Trichloroethene	6.537	95	103053	3.378	ug/L	99
35) Methylcyclohexane	6.685	83	33638	0.742	ug/L #	20
37) 1,2-Dichloropropane	6.685	63	14592	0.502	ug/L #	87
47) Tetrachloroethene	8.550	164	45280	1.977	ug/L	95
48) 2-Hexanone	8.695	43	13933	1.506	ug/L #	77
49) Dibromochloromethane	8.547	129	45077	1.978	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	19720	1.295	ug/L #	68

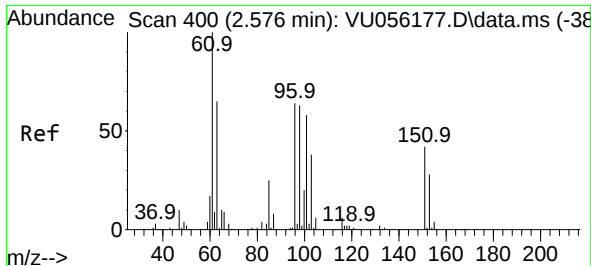
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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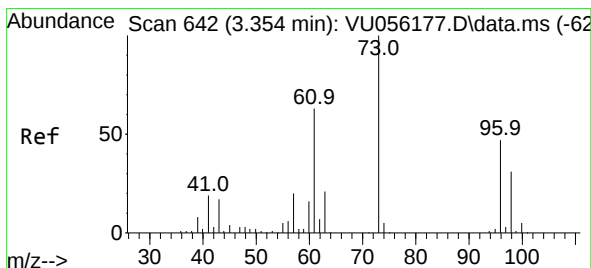
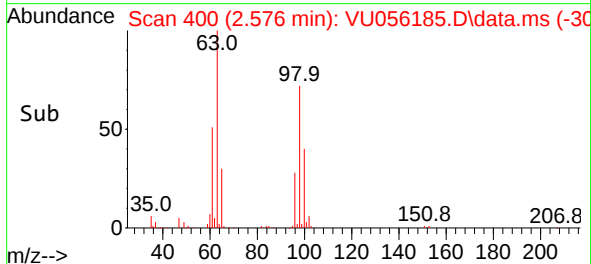
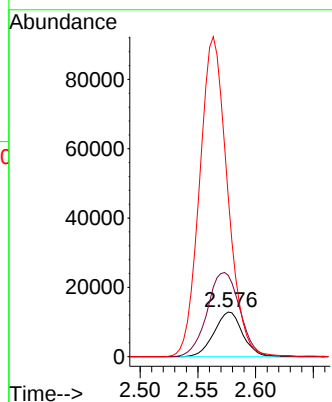
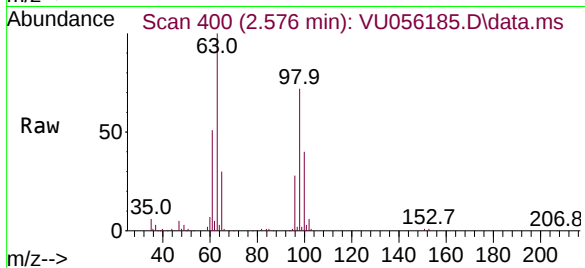




#12
 1,1-Dichloroethene
 Concen: 0.863 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056185.D
 Acq: 10 Nov 2023 21:23

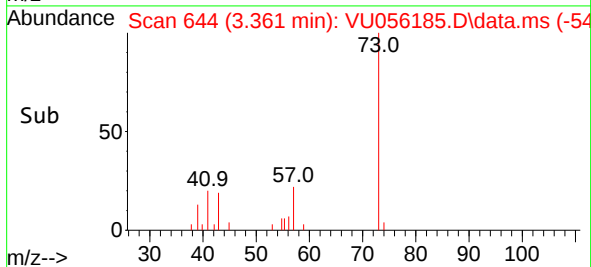
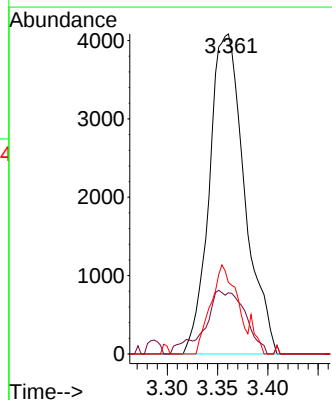
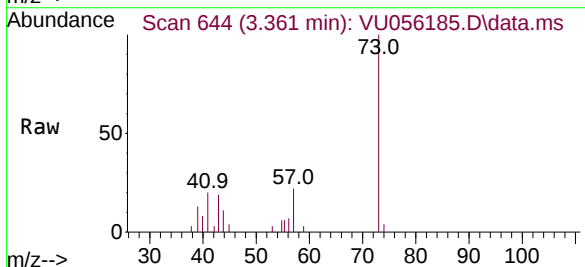
Instrument :
 MSVOA_U
 ClientSampleId :

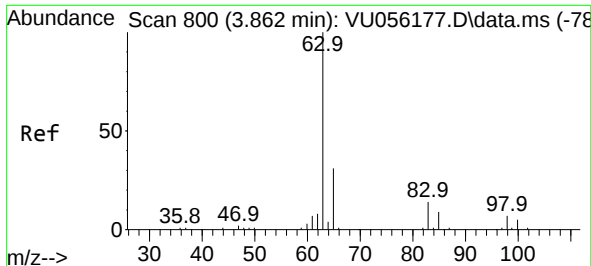
Tgt Ion: 96 Resp: 21947
 Ion Ratio Lower Upper
 96 100
 61 182.3 111.7 207.5
 63 359.2 74.5 138.3#



#17
 Methyl tert-butyl Ether
 Concen: 0.174 ug/L
 RT: 3.361 min Scan# 644
 Delta R.T. 0.006 min
 Lab File: VU056185.D
 Acq: 10 Nov 2023 21:23

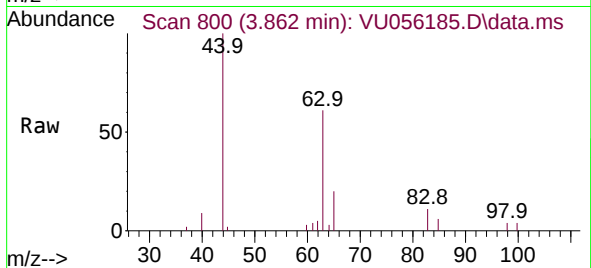
Tgt Ion: 73 Resp: 9943
 Ion Ratio Lower Upper
 73 100
 43 12.1 13.6 20.4#
 57 20.7 17.3 25.9



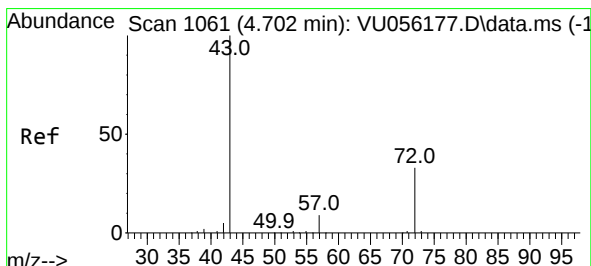
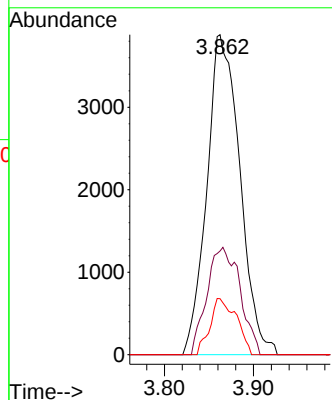
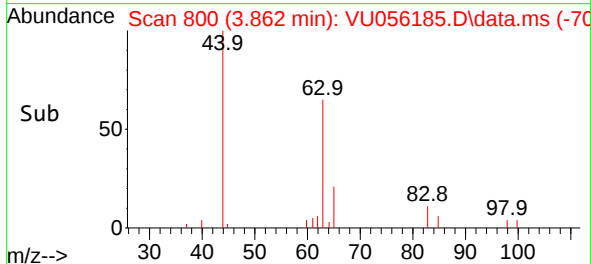


#19
1,1-Dichloroethane
Concen: 0.203 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU056185.D
Acq: 10 Nov 2023 21:23

Instrument :
MSVOA_U
ClientSampleId :

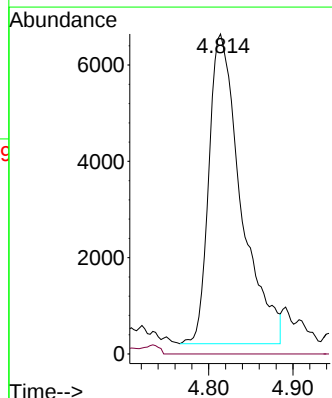
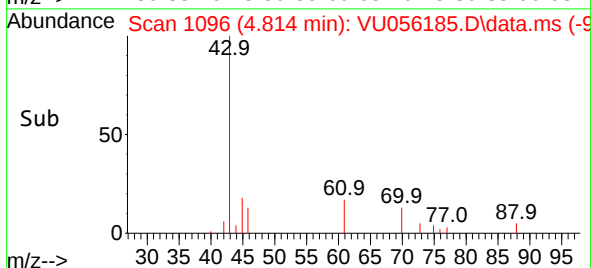
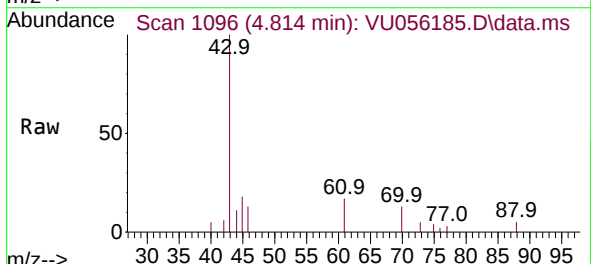


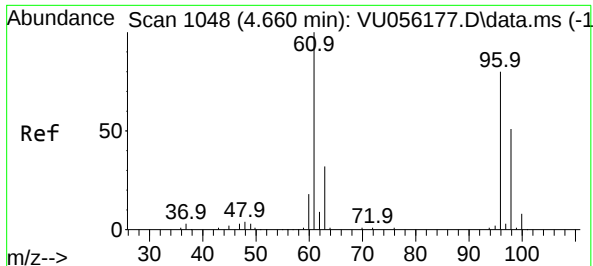
Tgt Ion: 63 Resp: 10001
Ion Ratio Lower Upper
63 100
65 32.4 20.6 38.2
83 17.5 9.6 17.8



#21
2-Butanone
Concen: 3.470 ug/L
RT: 4.814 min Scan# 1096
Delta R.T. 0.113 min
Lab File: VU056185.D
Acq: 10 Nov 2023 21:23

Tgt Ion: 43 Resp: 17006
Ion Ratio Lower Upper
43 100
72 1.4 15.7 47.0#





#22

cis-1,2-Dichloroethene

Concen: 0.163 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU056185.D

Acq: 10 Nov 2023 21:23

Instrument :

MSVOA_U

ClientSampleId :

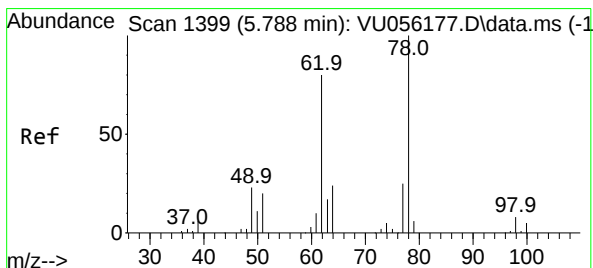
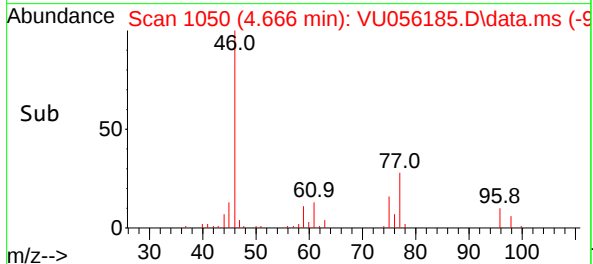
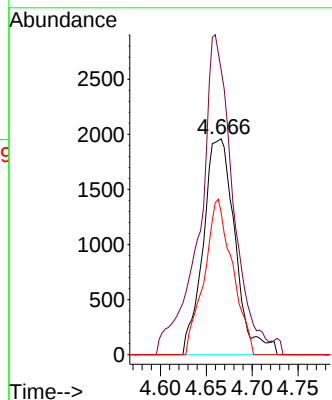
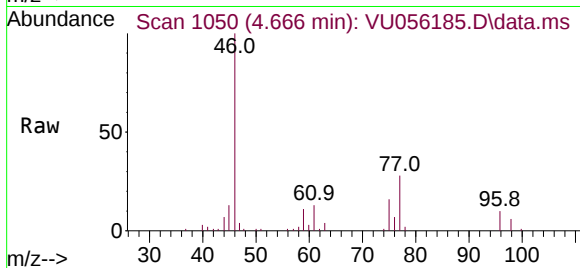
Tgt Ion: 96 Resp: 4740

Ion Ratio Lower Upper

96 100

61 131.8 87.8 163.2

98 65.7 43.5 80.7



#27

1,2-Dichloroethane

Concen: 0.156 ug/L

RT: 5.798 min Scan# 1402

Delta R.T. 0.010 min

Lab File: VU056185.D

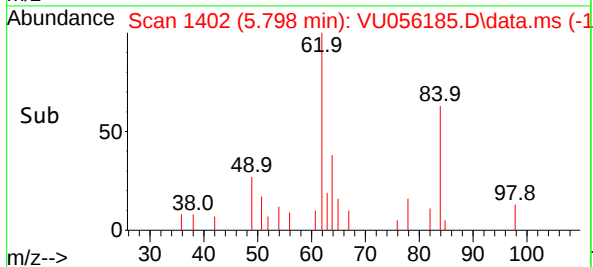
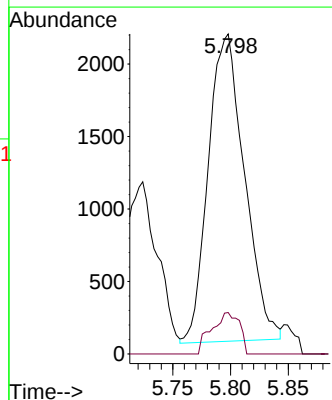
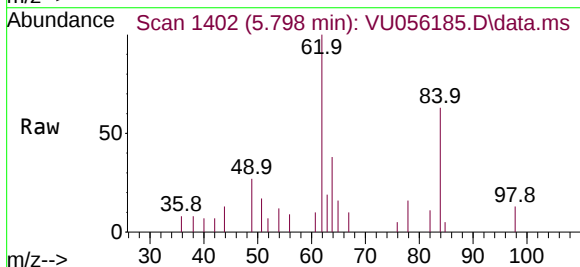
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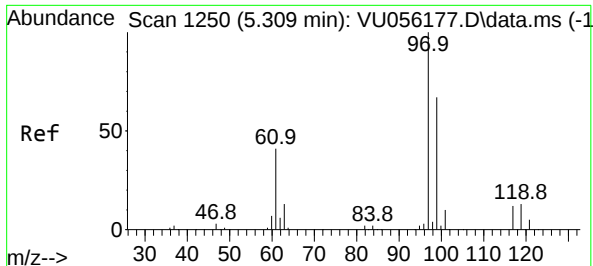
Tgt Ion: 62 Resp: 4627

Ion Ratio Lower Upper

62 100

98 13.0 7.1 10.7#





#29

1,1,1-Trichloroethane

Concen: 0.377 ug/L

RT: 5.312 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU056185.D

Acq: 10 Nov 2023 21:23

Instrument :

MSVOA_U

ClientSampleId :

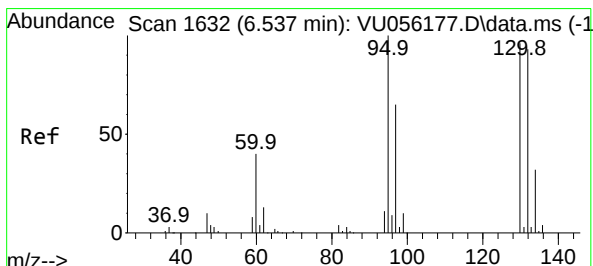
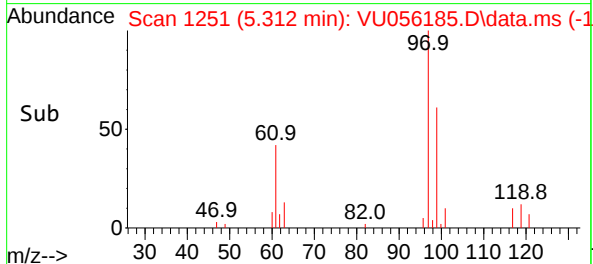
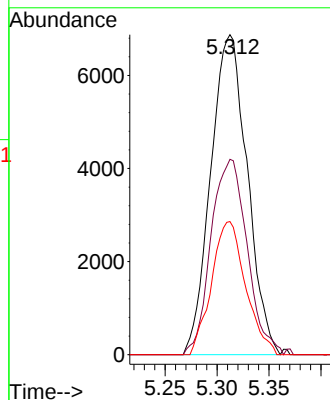
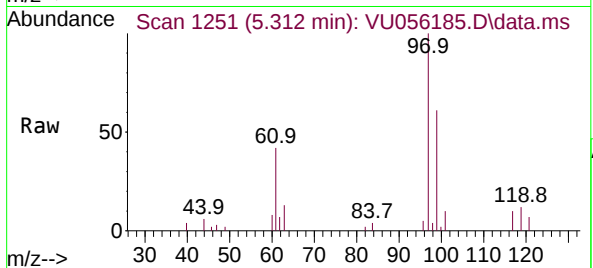
Tgt Ion: 97 Resp: 16841

Ion Ratio Lower Upper

97 100

99 60.2 52.0 78.0

61 38.7 33.4 50.0



#34

Trichloroethene

Concen: 3.378 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VU056185.D

Acq: 10 Nov 2023 21:23

Tgt Ion: 95 Resp: 103053

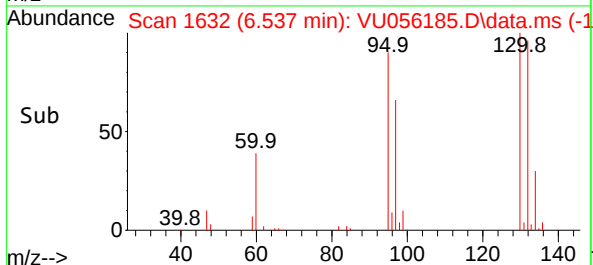
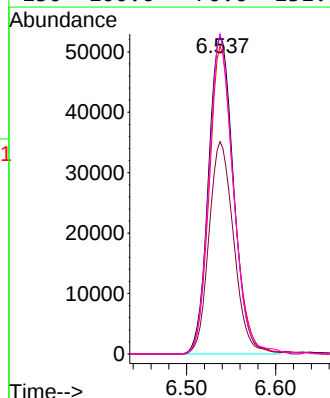
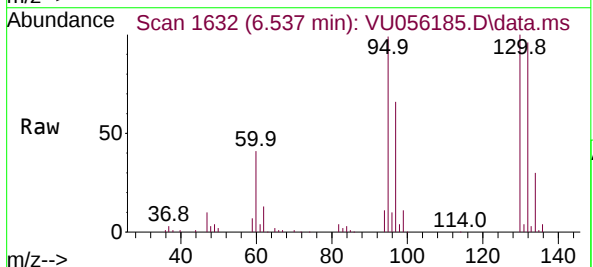
Ion Ratio Lower Upper

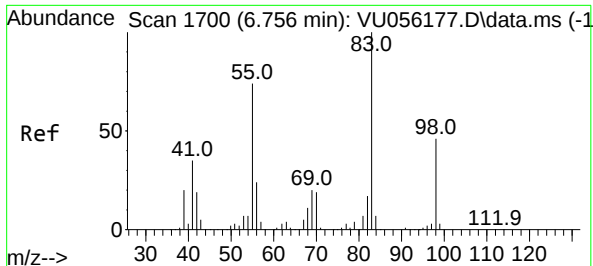
95 100

97 66.7 46.8 87.0

132 96.7 66.5 123.5

130 100.6 70.6 131.0





#35

Methylcyclohexane

Concen: 0.742 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU056185.D

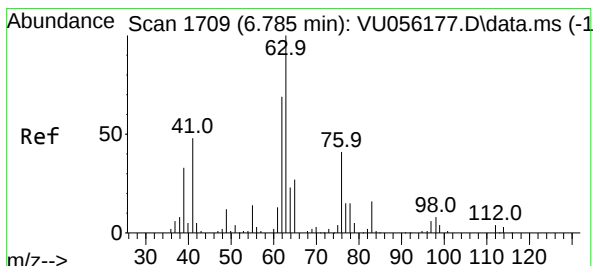
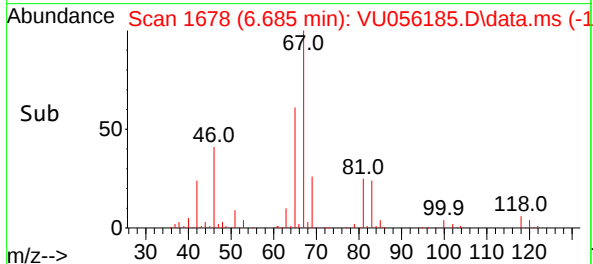
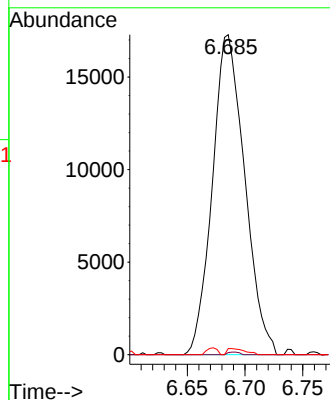
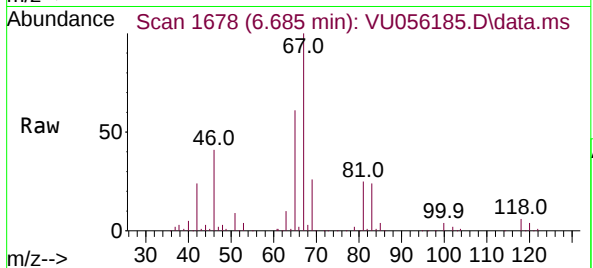
Acq: 10 Nov 2023 21:23

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 33638
Ion Ratio	Lower Upper
83 100	
55 0.3	60.6 91.0#
98 1.1	36.2 54.4#



#37

1,2-Dichloropropane

Concen: 0.502 ug/L

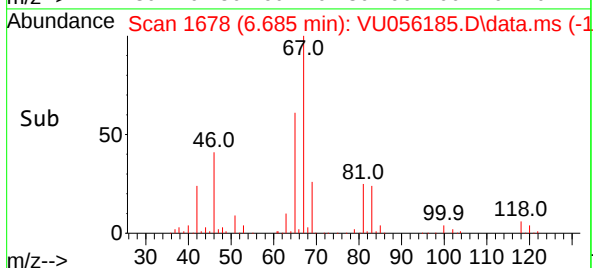
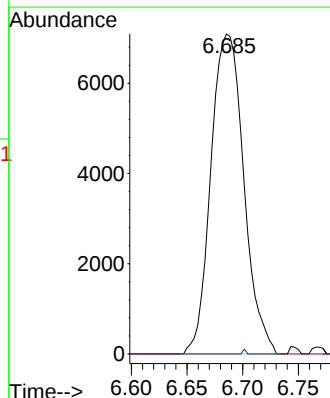
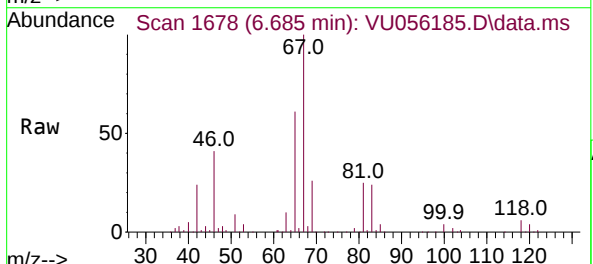
RT: 6.685 min Scan# 1678

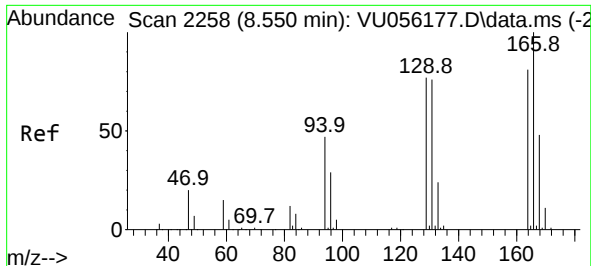
Delta R.T. -0.100 min

Lab File: VU056185.D

Acq: 10 Nov 2023 21:23

Tgt Ion: 63	Resp: 14592
Ion Ratio	Lower Upper
63 100	
112 0.1	3.4 5.2#





#47

Tetrachloroethene

Concen: 1.977 ug/L

RT: 8.550 min Scan# 21

Delta R.T. 0.000 min

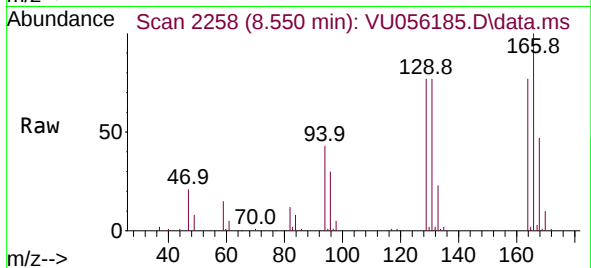
Lab File: VU056185.D

Acq: 10 Nov 2023 21:23

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 45280

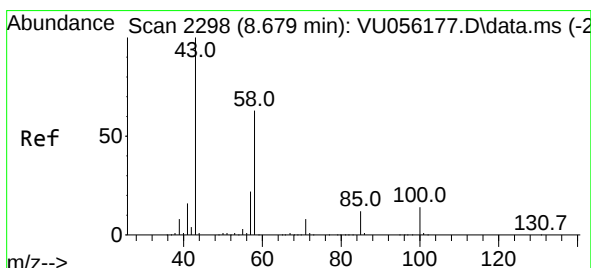
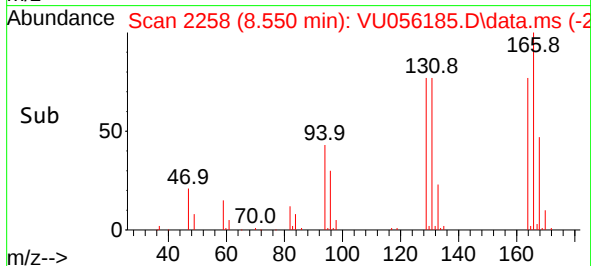
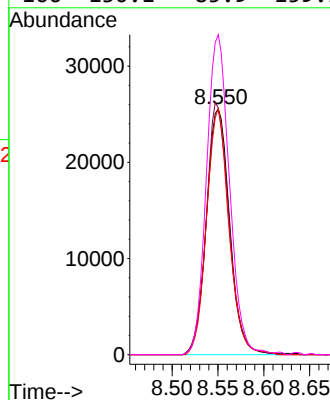
Ion Ratio Lower Upper

164 100

129 100.3 66.6 123.8

131 99.9 67.8 126.0

166 130.1 85.9 159.5



#48

2-Hexanone

Concen: 1.506 ug/L

RT: 8.695 min Scan# 2303

Delta R.T. 0.016 min

Lab File: VU056185.D

Acq: 10 Nov 2023 21:23

Tgt Ion: 43 Resp: 13933

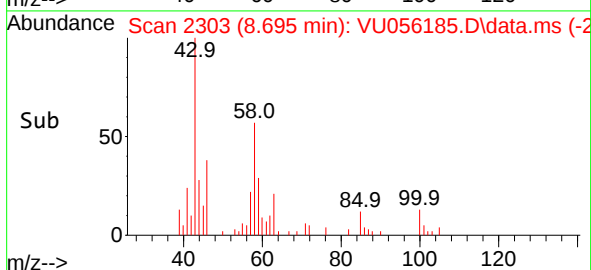
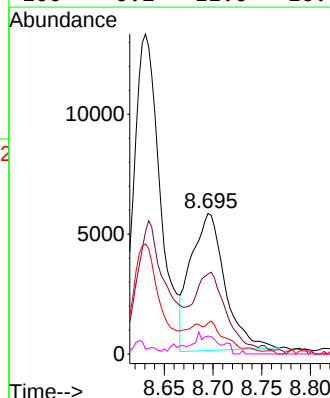
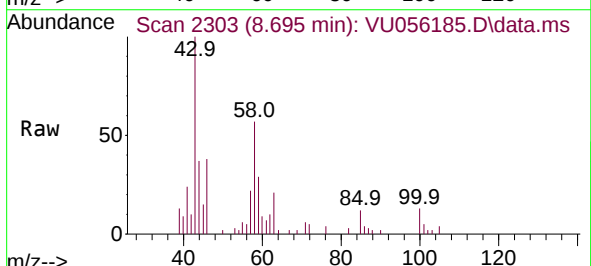
Ion Ratio Lower Upper

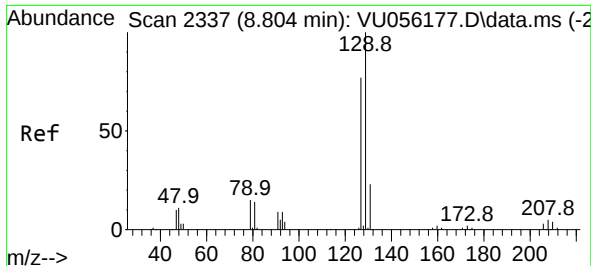
43 100

58 50.3 52.0 78.0#

57 9.0 17.4 26.2#

100 0.2 11.0 16.6#

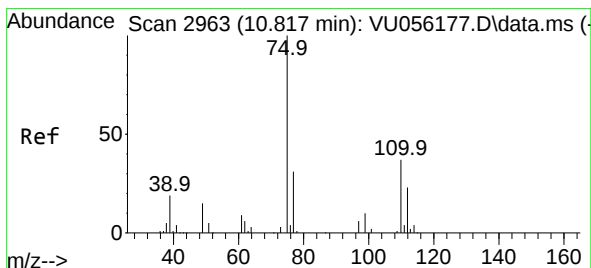
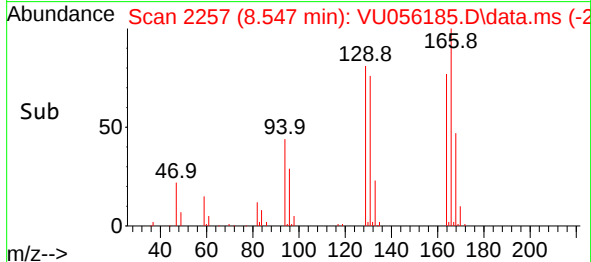
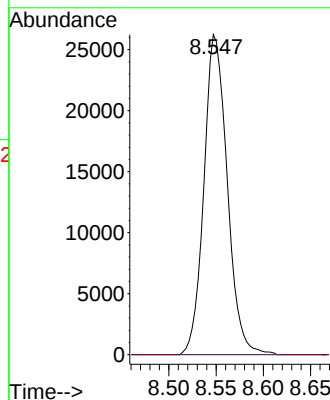
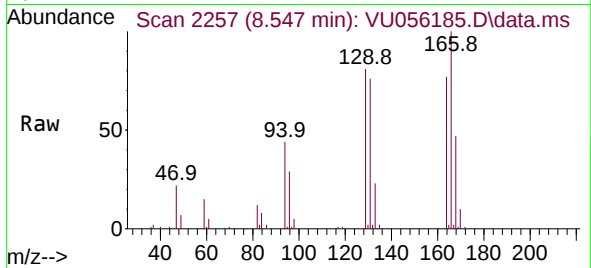




#49
Dibromochloromethane
Concen: 1.978 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU056185.D
Acq: 10 Nov 2023 21:23

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 45077
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#61
1,2,3-Trichloropropane
Concen: 1.295 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU056185.D
Acq: 10 Nov 2023 21:23

Tgt Ion: 75 Resp: 19720
Ion Ratio Lower Upper
75 100
110 2.0 29.7 44.5#
77 32.6 25.5 38.3

