

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121123\
 Data File : VU056760.D
 Acq On : 12 Dec 2023 02:59
 Operator : MD/SY
 Sample : 05675-07
 Misc : 25.2mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 05:04:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 12 02:01:50 2023
 Response via : Initial Calibration

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

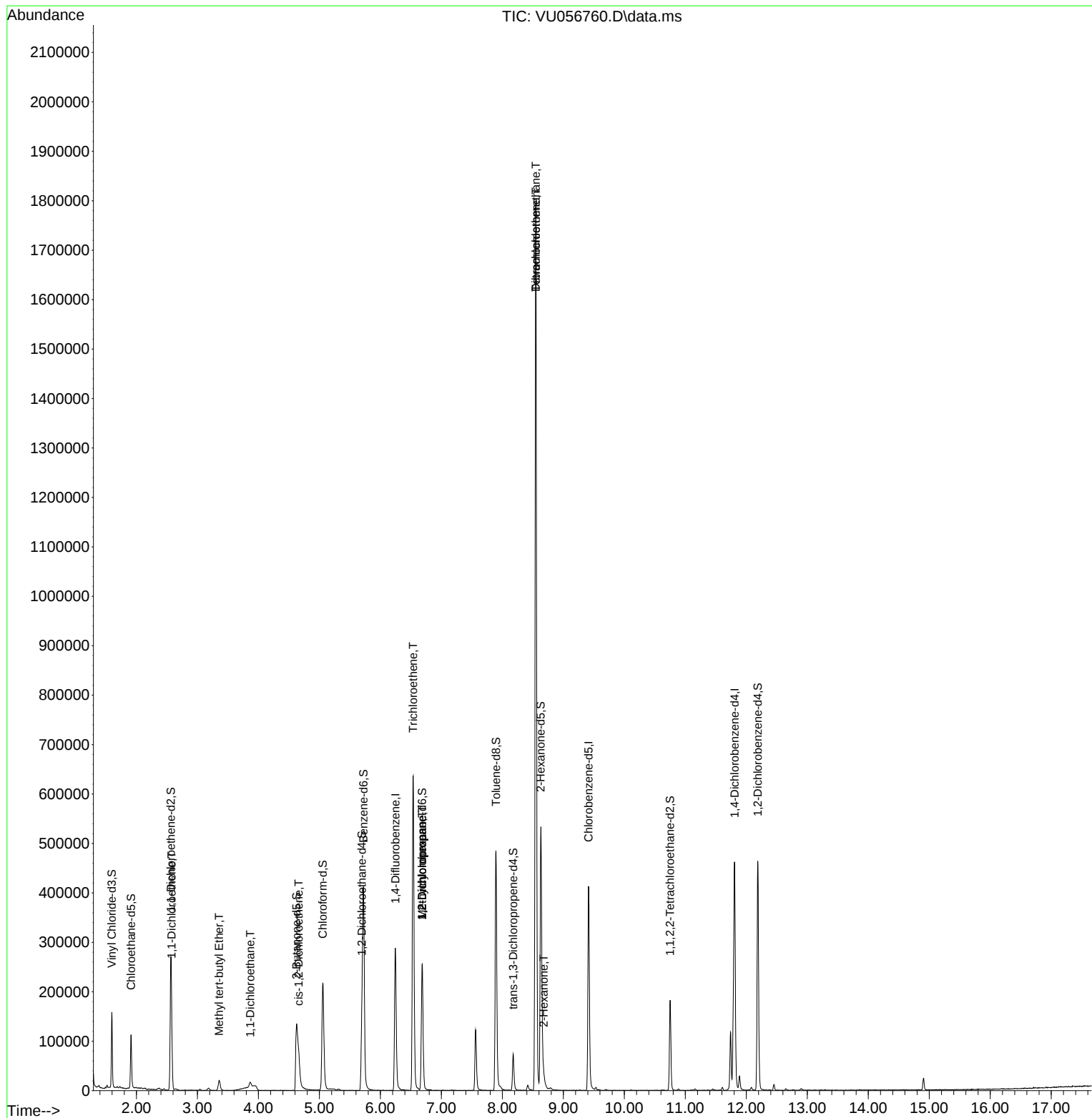
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	234727	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	241930	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	115963	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	104158	5.177	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.600%
7) Chloroethane-d5	1.911	69	80275	5.332	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.600%
11) 1,1-Dichloroethene-d2	2.563	65	47520	5.520	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.400%
20) 2-Butanone-d5	4.624	46	231581	58.283	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.560%
24) Chloroform-d	5.055	84	206682	5.425	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.400%
26) 1,2-Dichloroethane-d4	5.695	65	101660	5.639	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.800%
32) Benzene-d6	5.721	84	402639	5.366	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.400%
36) 1,2-Dichloropropane-d6	6.682	67	127419	5.425	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.600%
41) Toluene-d8	7.894	98	339457	5.061	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
43) trans-1,3-Dichloroprop...	8.177	79	43802	4.809	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.627	63	189074	55.038	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.080%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	90550	5.328	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	122280	5.364	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.200%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.576	96	23316	1.223	ug/L #	14
17) Methyl tert-butyl Ether	3.354	73	21825	0.516	ug/L	98
19) 1,1-Dichloroethane	3.866	63	10366	0.279	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	20286	0.965	ug/L	97
34) Trichloroethene	6.534	95	229779	9.852	ug/L	100
35) Methylcyclohexane	6.685	83	28998	0.842	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	13306	0.612	ug/L #	88
47) Tetrachloroethene	8.547	164	382516	23.435	ug/L	97
48) 2-Hexanone	8.679	43	7993	1.087	ug/L #	93
49) Dibromochloromethane	8.547	129	395022	23.372	ug/L #	11

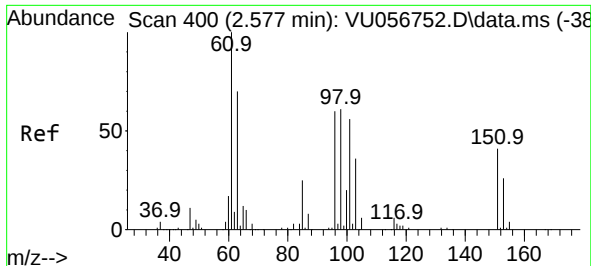
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.223 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056760.D

Acq: 12 Dec 2023 02:59

Instrument :

MSVOA_U

ClientSampleId :

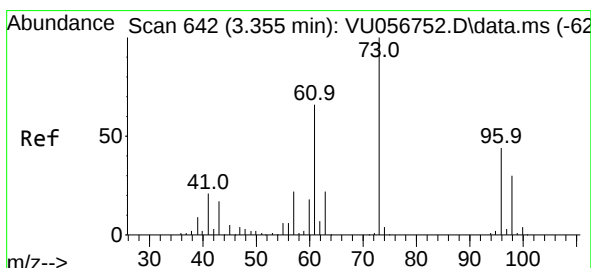
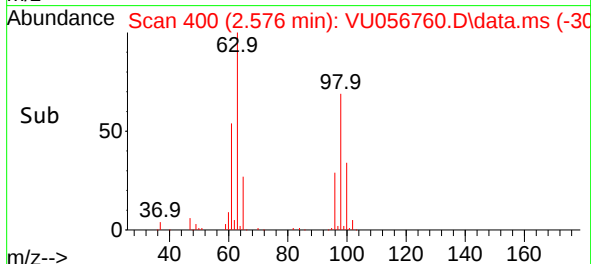
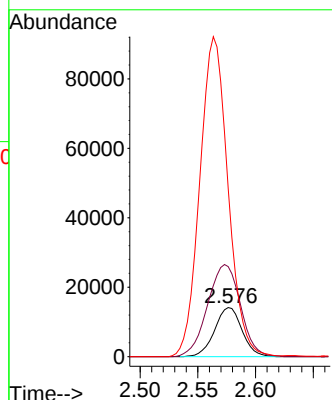
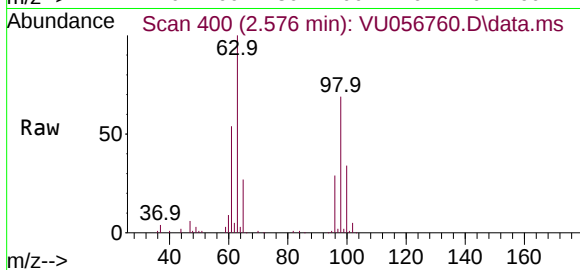
Tgt Ion: 96 Resp: 23316

Ion Ratio Lower Upper

96 100

61 183.6 119.0 221.0

63 343.0 88.7 164.7#



#17

Methyl tert-butyl Ether

Concen: 0.516 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU056760.D

Acq: 12 Dec 2023 02:59

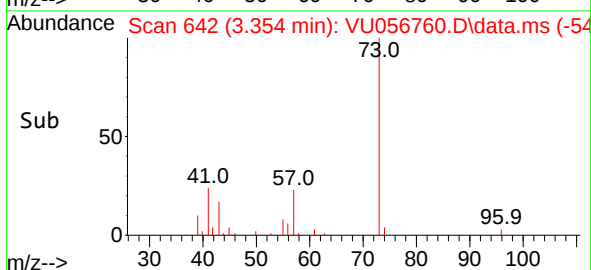
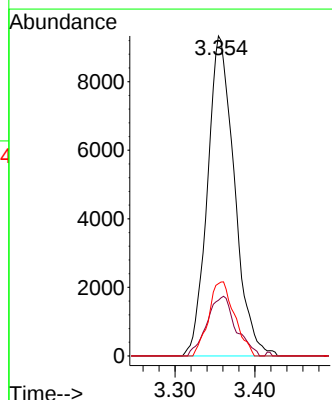
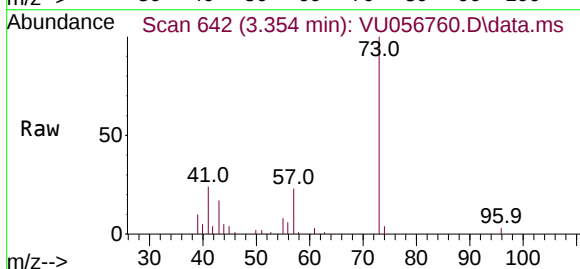
Tgt Ion: 73 Resp: 21825

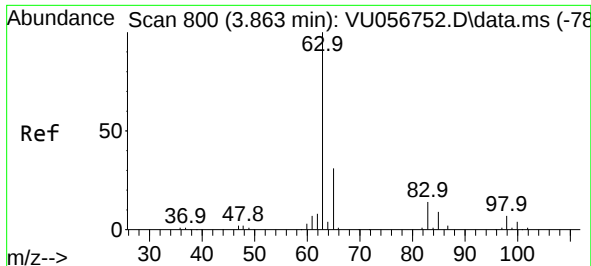
Ion Ratio Lower Upper

73 100

43 19.9 14.4 21.6

57 22.2 17.8 26.8





#19

1,1-Dichloroethane

Concen: 0.279 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU056760.D

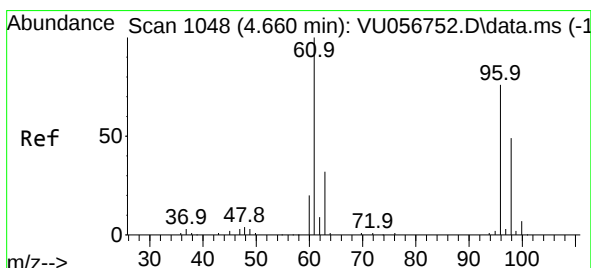
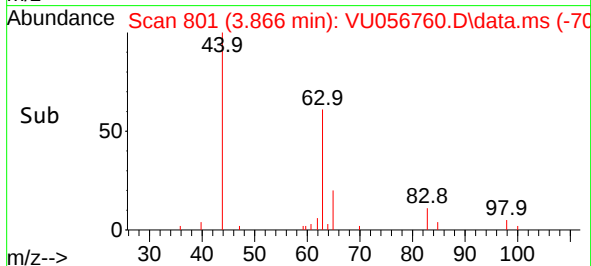
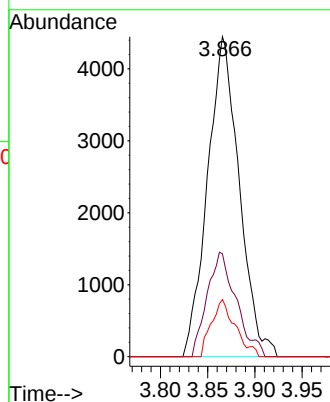
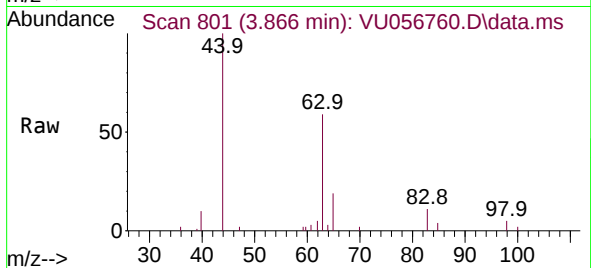
Acq: 12 Dec 2023 02:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 10366
Ion Ratio	Lower Upper
63 100	
65 32.1	22.9 42.5
83 17.9	10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 0.965 ug/L

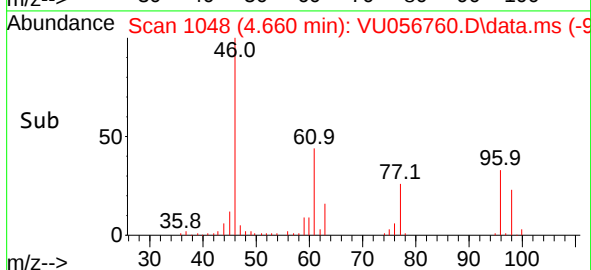
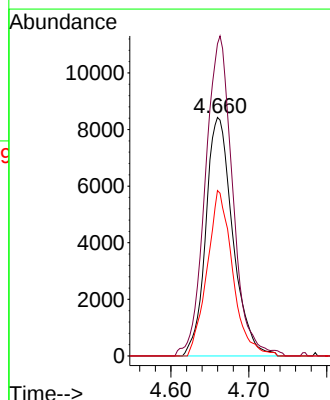
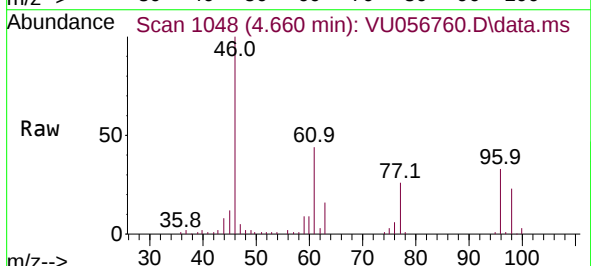
RT: 4.660 min Scan# 1048

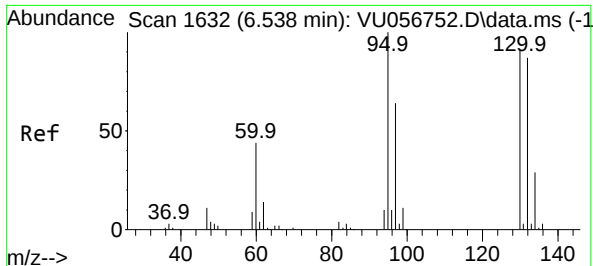
Delta R.T. -0.000 min

Lab File: VU056760.D

Acq: 12 Dec 2023 02:59

Tgt Ion: 96	Resp: 20286
Ion Ratio	Lower Upper
96 100	
61 130.9	91.3 169.6
98 69.4	44.2 82.0

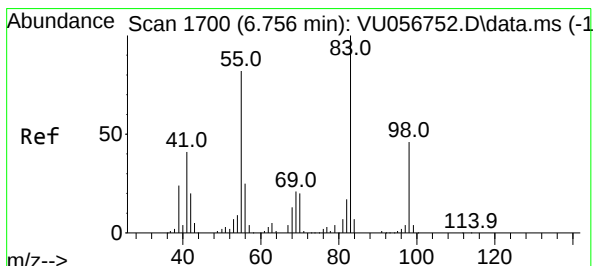
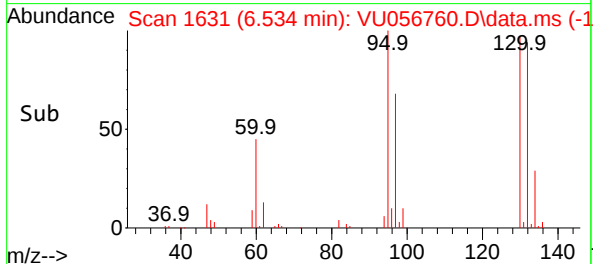
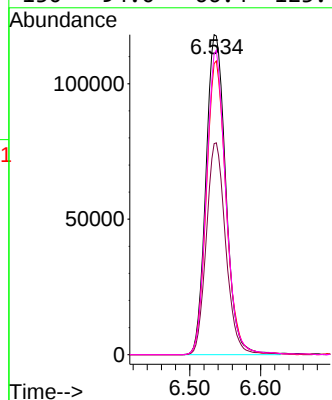
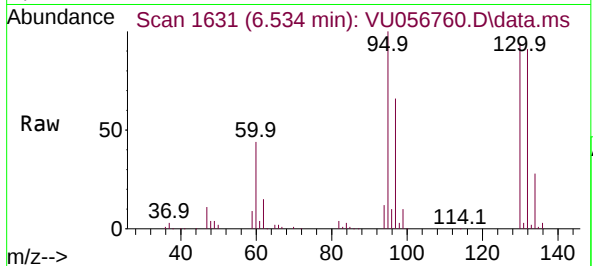




#34
Trichloroethene
Concen: 9.852 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.004 min
Lab File: VU056760.D
Acq: 12 Dec 2023 02:59

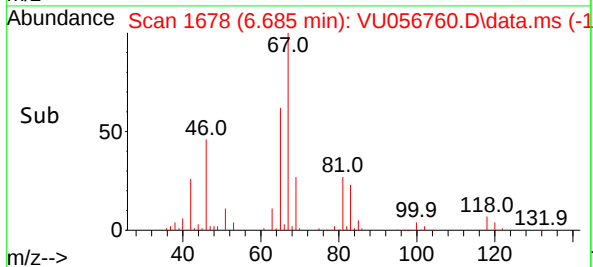
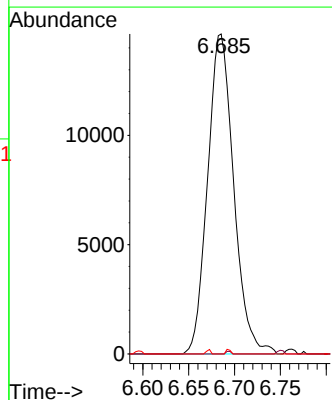
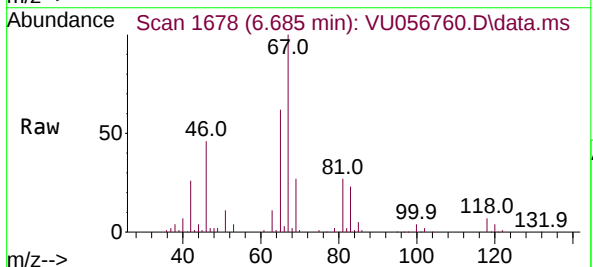
Instrument :
MSVOA_U
ClientSampleId :

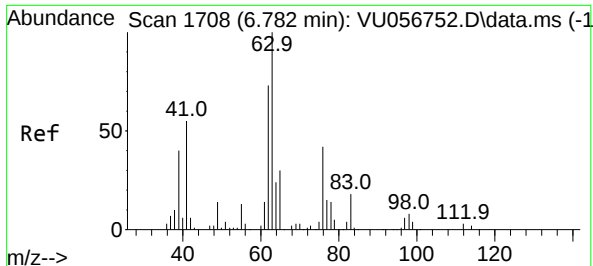
Tgt Ion: 95 Resp: 229779
Ion Ratio Lower Upper
95 100
97 65.9 46.1 85.5
132 91.0 63.6 118.0
130 94.0 66.4 123.4



#35
Methylcyclohexane
Concen: 0.842 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU056760.D
Acq: 12 Dec 2023 02:59

Tgt Ion: 83 Resp: 28998
Ion Ratio Lower Upper
83 100
55 0.2 64.6 97.0#
98 2.1 36.1 54.1#

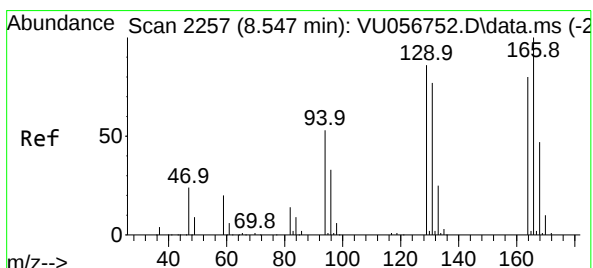
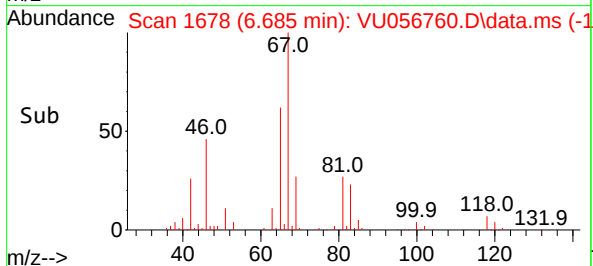
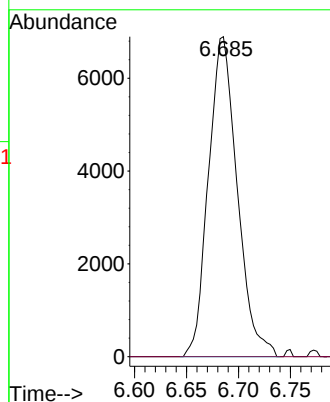
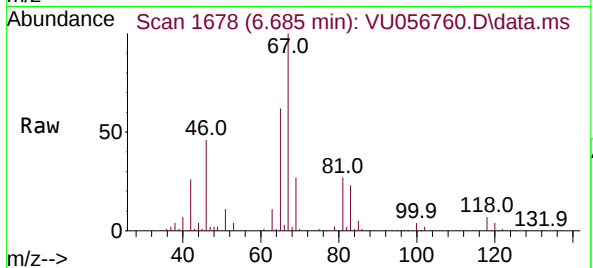




#37
1,2-Dichloropropane
Concen: 0.612 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.097 min
Lab File: VU056760.D
Acq: 12 Dec 2023 02:59

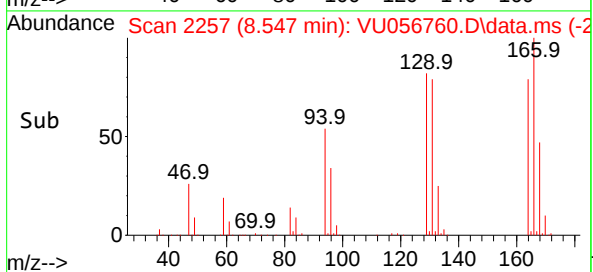
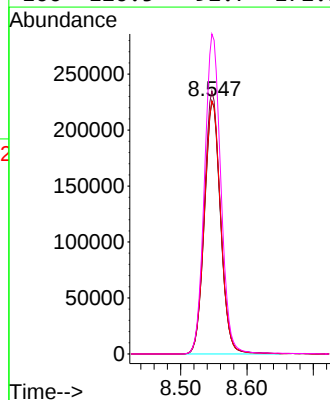
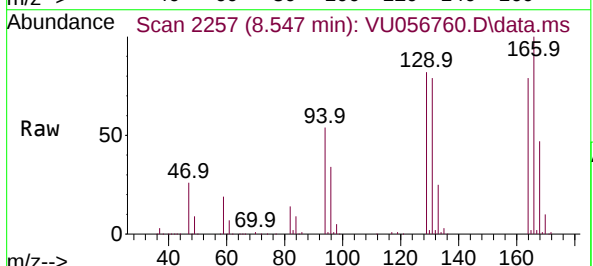
Instrument :
MSVOA_U
ClientSampleId :

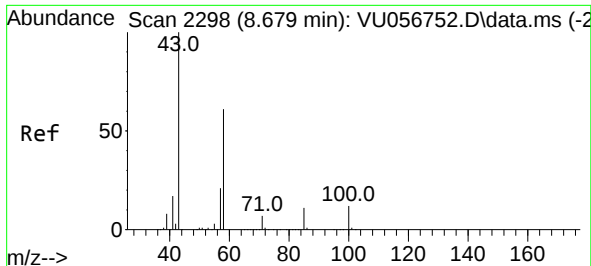
Tgt Ion: 63 Resp: 13306
Ion Ratio Lower Upper
63 100
112 0.2 3.3 4.9#



#47
Tetrachloroethene
Concen: 23.435 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU056760.D
Acq: 12 Dec 2023 02:59

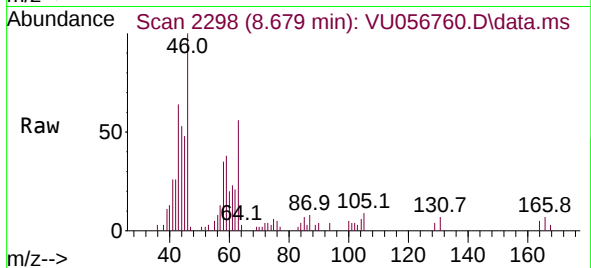
Tgt Ion:164 Resp: 382516
Ion Ratio Lower Upper
164 100
129 104.0 73.4 136.4
131 100.0 71.5 132.9
166 126.5 92.7 172.1



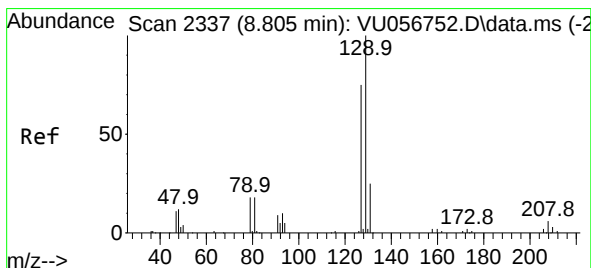
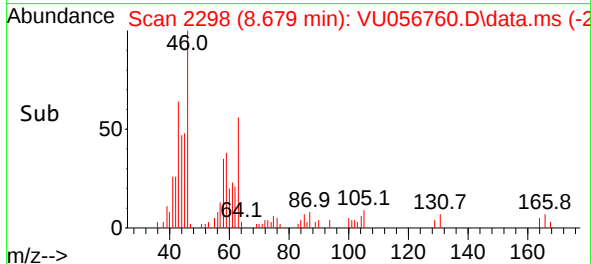
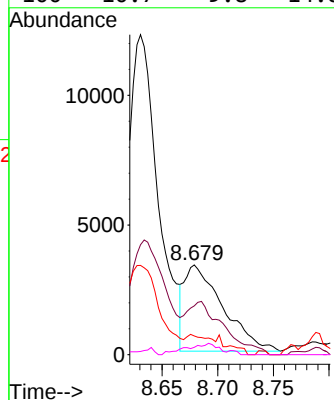


#48
2-Hexanone
Concen: 1.087 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056760.D
Acq: 12 Dec 2023 02:59

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43	Resp: 7993
Ion Ratio	Lower Upper
43 100	
58 60.7	47.5 71.3
57 10.2	17.0 25.4#
100 10.7	9.8 14.8



#49
Dibromochloromethane
Concen: 23.372 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.258 min
Lab File: VU056760.D
Acq: 12 Dec 2023 02:59

Tgt Ion:129	Resp: 395022		
Ion Ratio	Lower	Upper	
129 100			
127 0.0	53.9	100.1#	

