

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110923\
 Data File : VU056150.D
 Acq On : 09 Nov 2023 19:16
 Operator : MD/SY
 Sample : 05339-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 09 21:38:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 09 21:34:15 2023
 Response via : Initial Calibration

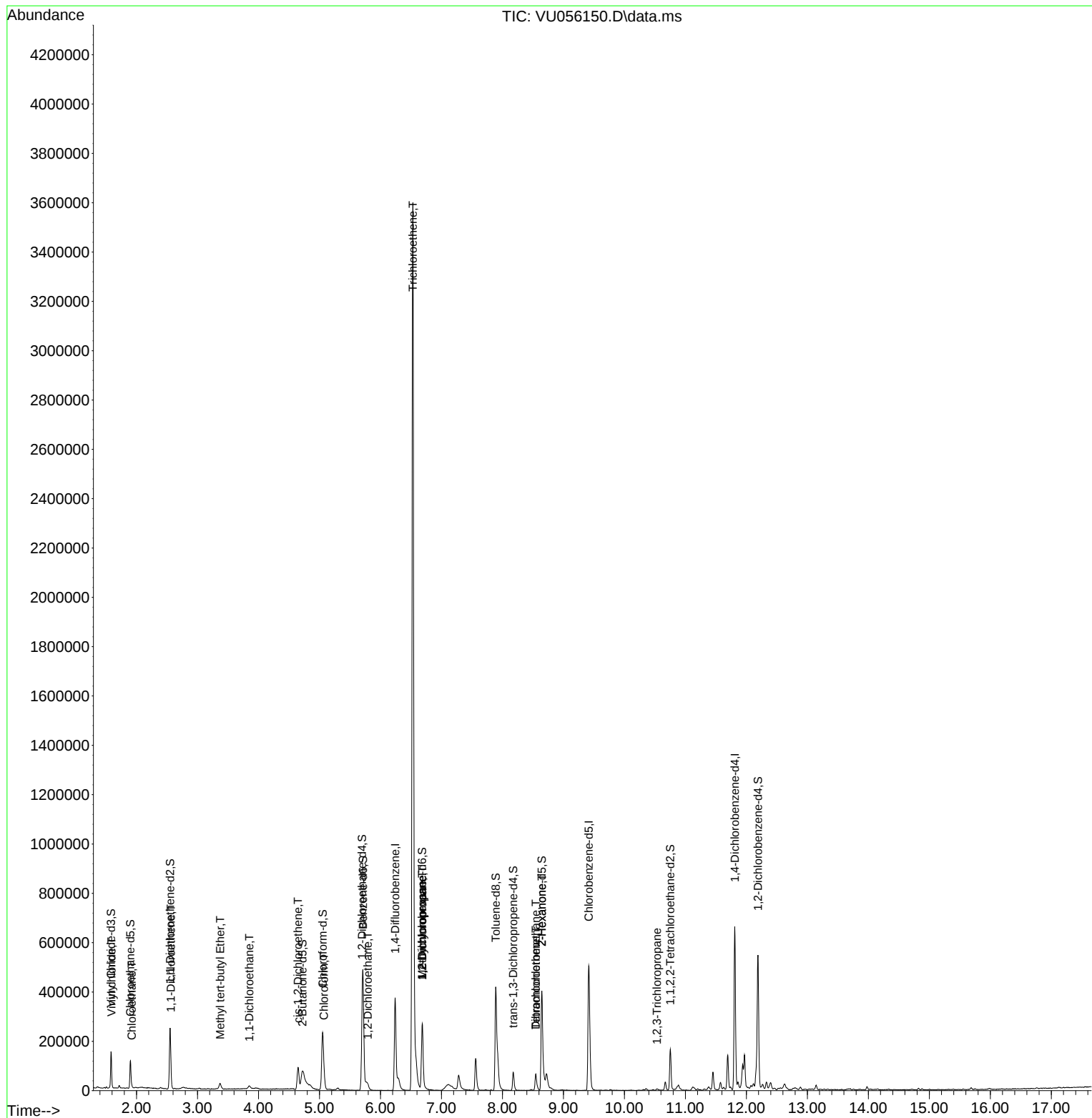
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	318802	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	376250	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	183000	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	99939	5.050	ug/L	-0.01
Spiked Amount	5.000	Range 40 - 130	Recovery	=	101.000%	
7) Chloroethane-d5	1.901	69	83324	6.205	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	124.000%	
11) 1,1-Dichloroethene-d2	2.551	65	43718	5.015	ug/L	-0.01
Spiked Amount	5.000	Range 60 - 125	Recovery	=	100.200%	
20) 2-Butanone-d5	4.721	46	217924	67.129	ug/L	0.10
Spiked Amount	50.000	Range 40 - 130	Recovery	=	134.260%#	
24) Chloroform-d	5.052	84	214829	5.703	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	114.000%	
26) 1,2-Dichloroethane-d4	5.698	65	102897	6.204	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	124.000%	
32) Benzene-d6	5.714	84	437227	4.838	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.800%	
36) 1,2-Dichloropropane-d6	6.685	67	142377	5.352	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	107.000%	
41) Toluene-d8	7.891	98	398559	4.813	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.200%	
43) trans-1,3-Dichloroprop...	8.177	79	46709	4.594	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	91.800%	
46) 2-Hexanone-d5	8.647	63	158305	47.501	ug/L	0.02
Spiked Amount	50.000	Range 45 - 130	Recovery	=	95.000%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	87743	4.622	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	92.400%	
66) 1,2-Dichlorobenzene-d4	12.190	152	152845	5.416	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	108.400%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.589	62	4317	0.165	ug/L #	21
8) Chloroethane	1.924	64	2380	0.168	ug/L #	81
12) 1,1-Dichloroethene	2.563	96	11195	0.546	ug/L #	1
17) Methyl tert-butyl Ether	3.374	73	27115	0.587	ug/L #	92
19) 1,1-Dichloroethane	3.849	63	9304	0.235	ug/L	100
22) cis-1,2-Dichloroethene	4.650	96	50173	2.141	ug/L	99
25) Chloroform	5.075	83	36571	0.867	ug/L	97
27) 1,2-Dichloroethane	5.792	62	10044	0.420	ug/L #	94
34) Trichloroethene	6.531	95	1338407	45.482	ug/L	96
35) Methylcyclohexane	6.685	83	33468	0.765	ug/L #	19
37) 1,2-Dichloropropane	6.689	63	15292	0.546	ug/L #	88
47) Tetrachloroethene	8.547	164	17903	0.811	ug/L	97
48) 2-Hexanone	8.647	43	19432	2.178	ug/L #	68
49) Dibromochloromethane	8.547	129	17573	0.800	ug/L #	10
61) 1,2,3-Trichloropropane	10.534	75	5338	0.338	ug/L #	47

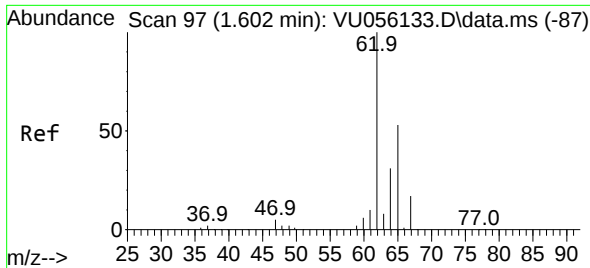
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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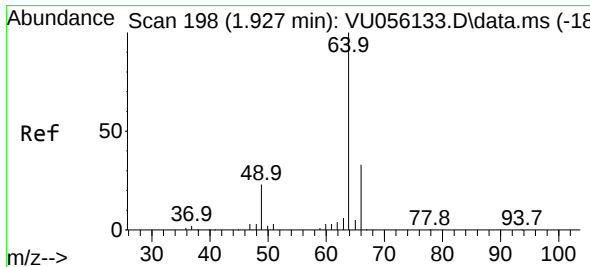
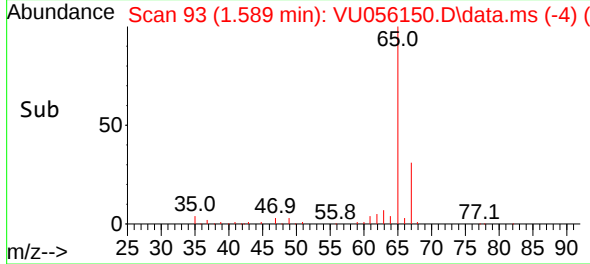
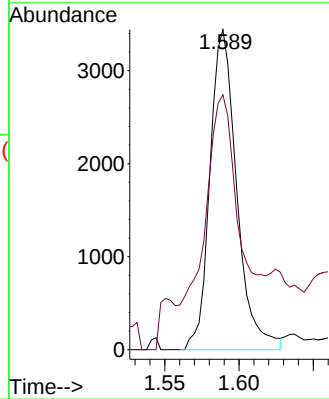
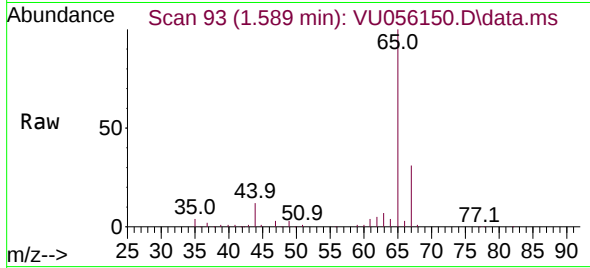




#5
 Vinyl chloride
 Concen: 0.165 ug/L
 RT: 1.589 min Scan# 91
 Delta R.T. -0.013 min
 Lab File: VU056150.D
 Acq: 09 Nov 2023 19:16

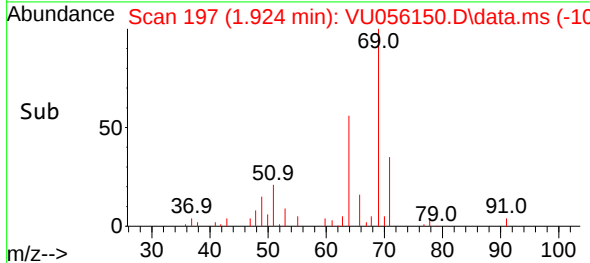
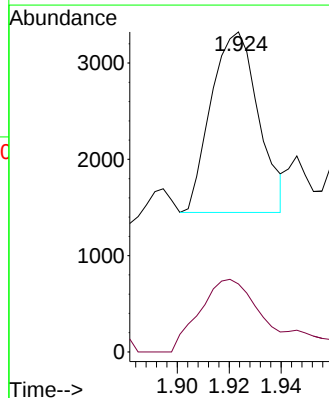
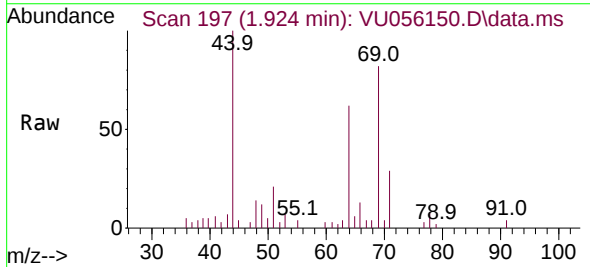
Instrument :
 MSVOA_U
 ClientSampleId :

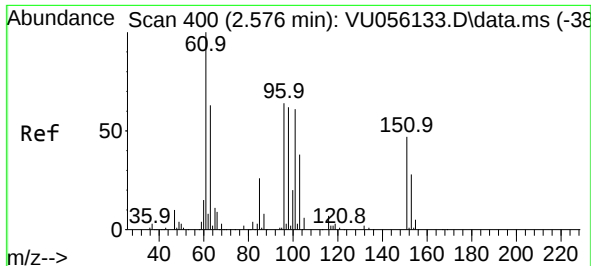
Tgt Ion: 62 Resp: 4317
 Ion Ratio Lower Upper
 62 100
 64 79.6 24.1 44.7#



#8
 Chloroethane
 Concen: 0.168 ug/L
 RT: 1.924 min Scan# 197
 Delta R.T. -0.003 min
 Lab File: VU056150.D
 Acq: 09 Nov 2023 19:16

Tgt Ion: 64 Resp: 2380
 Ion Ratio Lower Upper
 64 100
 66 21.2 22.4 41.6#

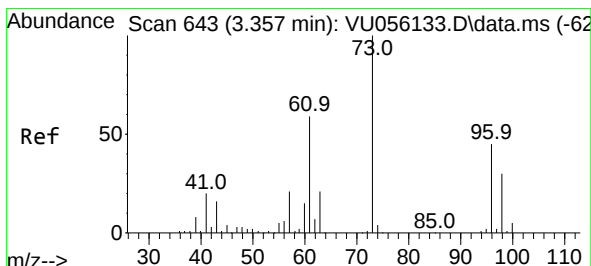
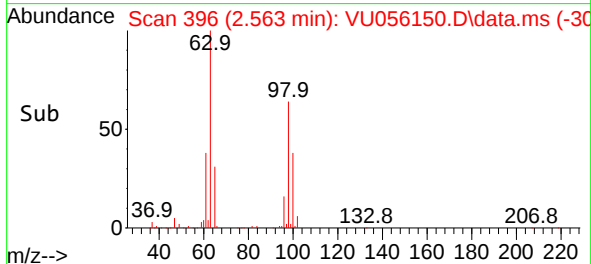
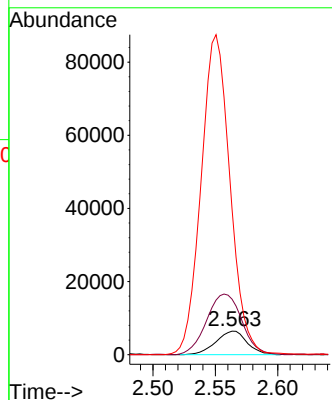
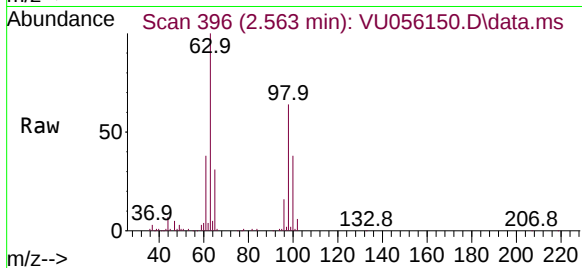




#12
1,1-Dichloroethene
Concen: 0.546 ug/L
RT: 2.563 min Scan# 396
Delta R.T. -0.013 min
Lab File: VU056150.D
Acq: 09 Nov 2023 19:16

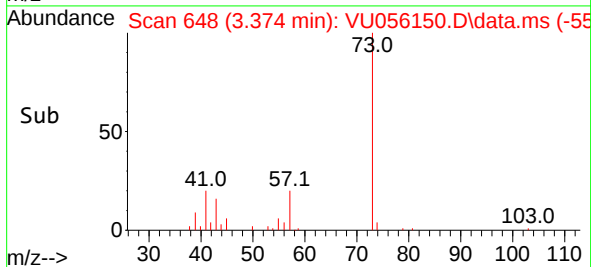
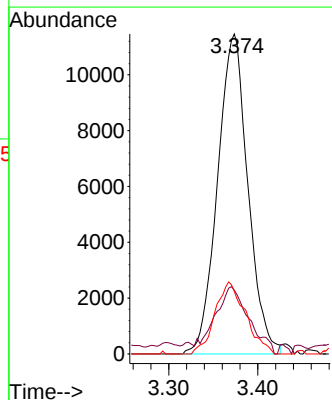
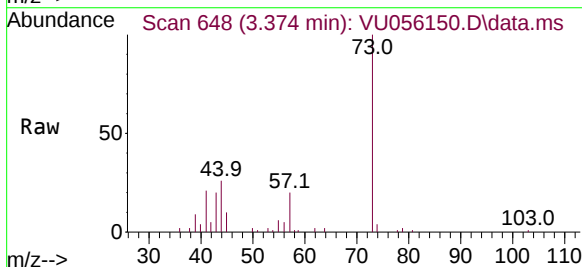
Instrument :
MSVOA_U
ClientSampleId :

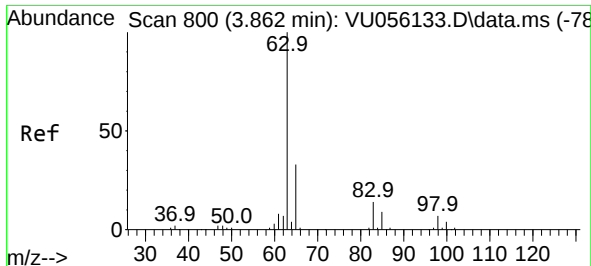
Tgt Ion: 96 Resp: 11195
Ion Ratio Lower Upper
96 100
61 236.4 111.7 207.5#
63 620.8 74.5 138.3#



#17
Methyl tert-butyl Ether
Concen: 0.587 ug/L
RT: 3.374 min Scan# 648
Delta R.T. 0.016 min
Lab File: VU056150.D
Acq: 09 Nov 2023 19:16

Tgt Ion: 73 Resp: 27115
Ion Ratio Lower Upper
73 100
43 23.7 13.6 20.4#
57 22.8 17.3 25.9





#19

1,1-Dichloroethane

Concen: 0.235 ug/L

RT: 3.849 min Scan# 796

Delta R.T. -0.013 min

Lab File: VU056150.D

Acq: 09 Nov 2023 19:16

Instrument :

MSVOA_U

ClientSampleId :

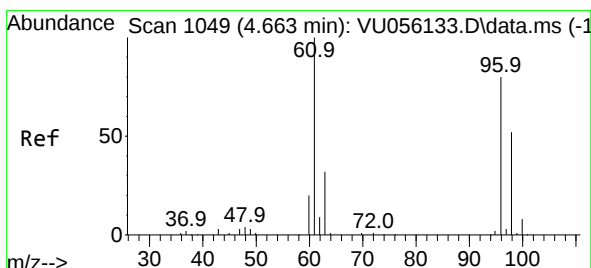
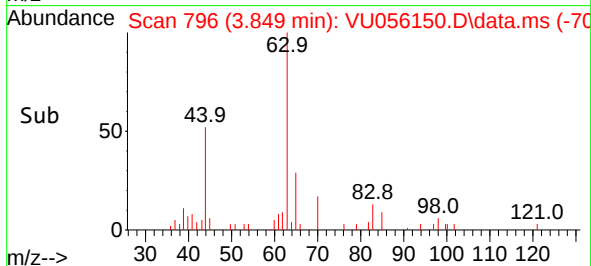
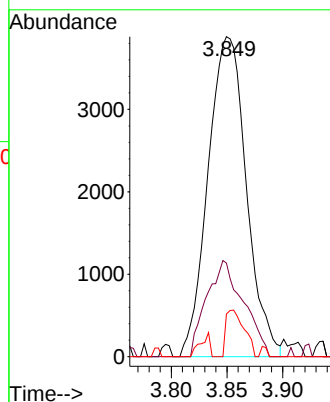
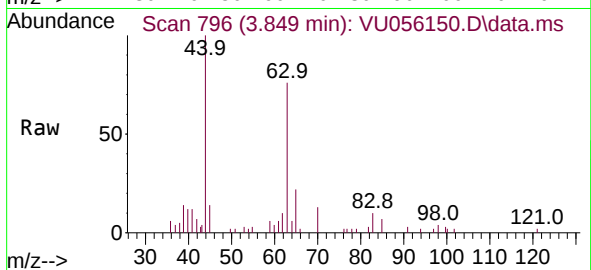
Tgt Ion: 63 Resp: 9304

Ion Ratio Lower Upper

63 100

65 29.2 20.6 38.2

83 13.3 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 2.141 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.013 min

Lab File: VU056150.D

Acq: 09 Nov 2023 19:16

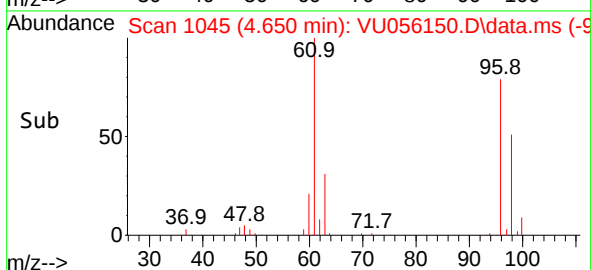
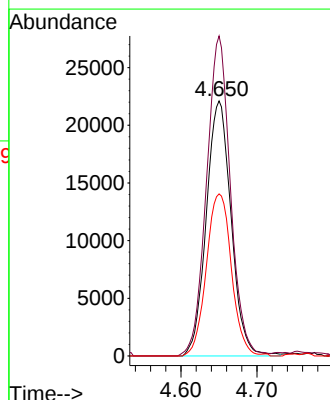
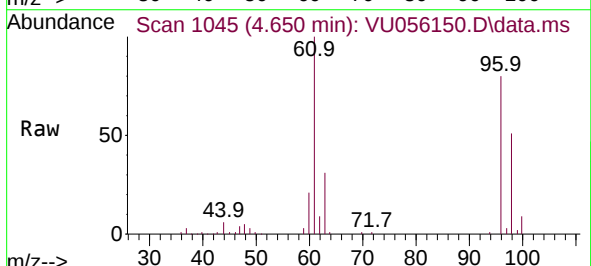
Tgt Ion: 96 Resp: 50173

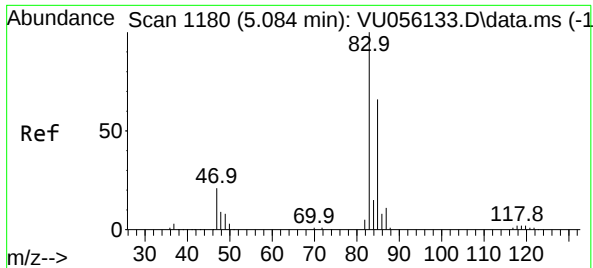
Ion Ratio Lower Upper

96 100

61 125.5 87.8 163.2

98 63.5 43.5 80.7





#25

Chloroform

Concen: 0.867 ug/L

RT: 5.075 min Scan# 11

Delta R.T. -0.010 min

Lab File: VU056150.D

Acq: 09 Nov 2023 19:16

Instrument :

MSVOA_U

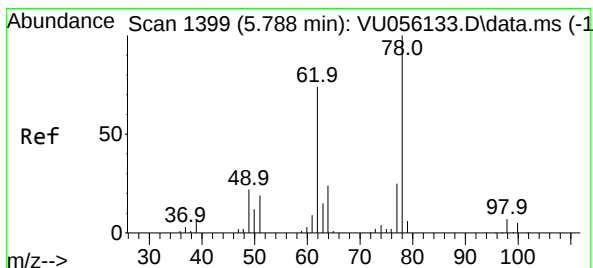
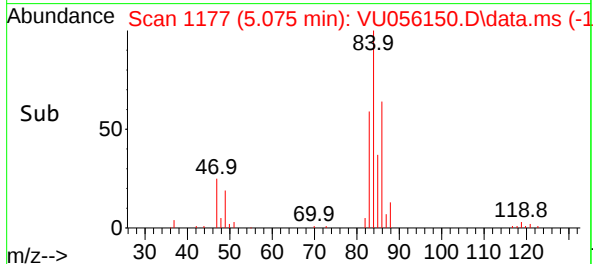
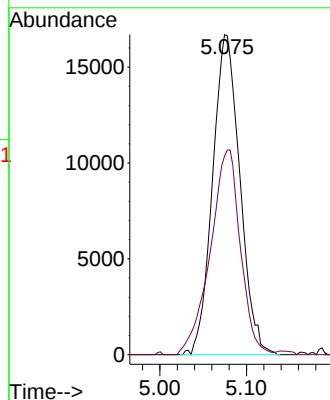
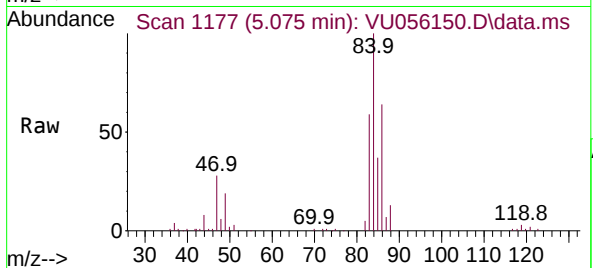
ClientSampleId :

Tgt Ion: 83 Resp: 36571

Ion Ratio Lower Upper

83 100

85 62.0 45.3 84.1



#27

1,2-Dichloroethane

Concen: 0.420 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU056150.D

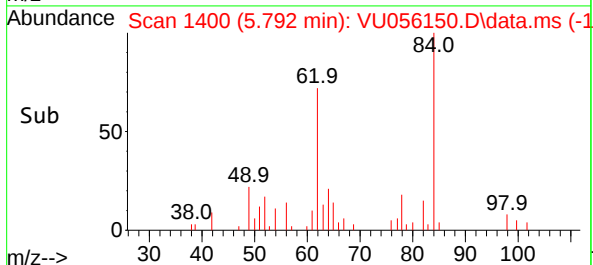
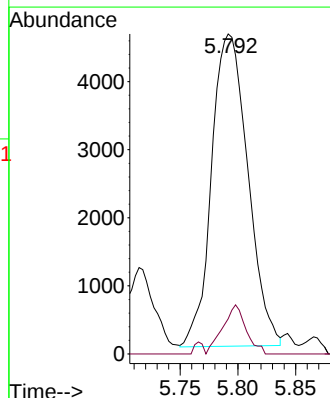
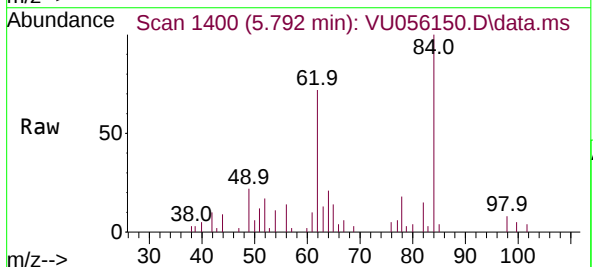
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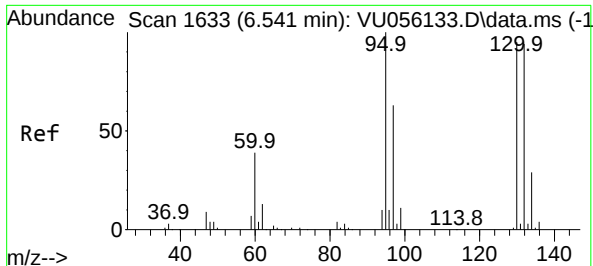
Tgt Ion: 62 Resp: 10044

Ion Ratio Lower Upper

62 100

98 11.0 7.1 10.7#



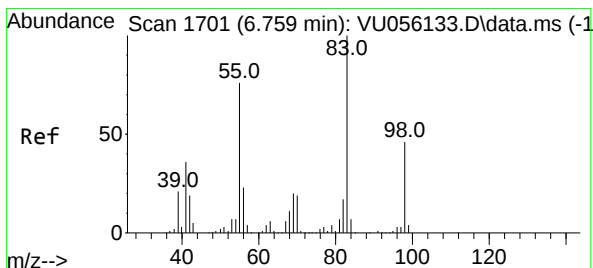
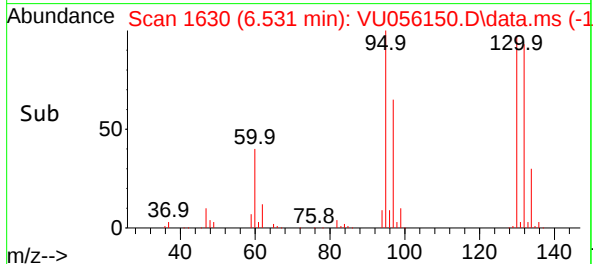
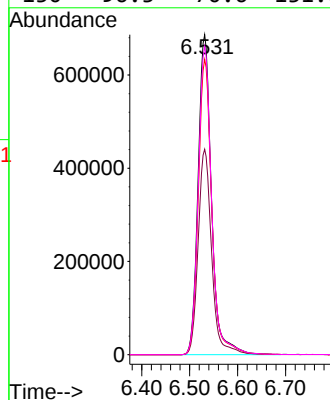
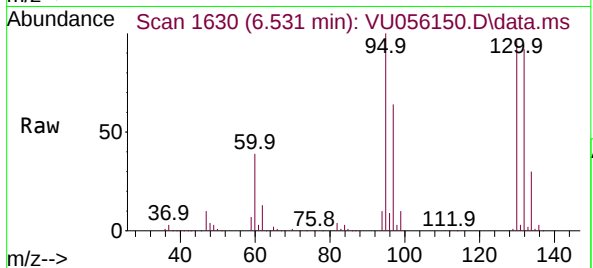


#34
Trichloroethene
Concen: 45.482 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.010 min
Lab File: VU056150.D
Acq: 09 Nov 2023 19:16

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 1338407

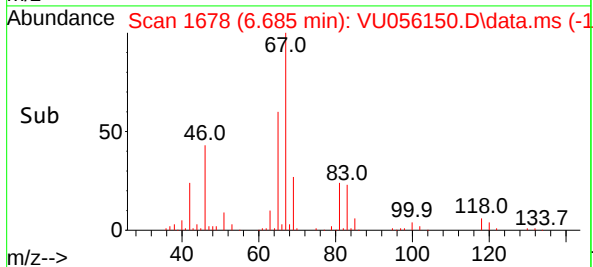
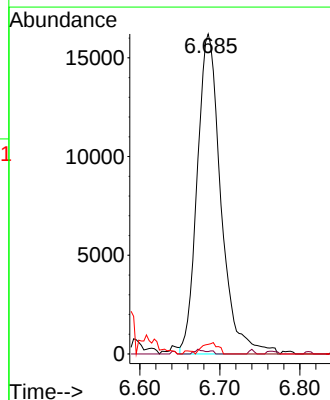
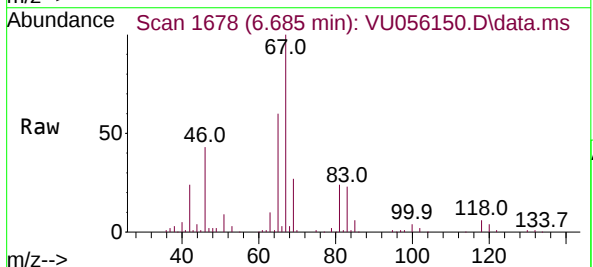
Ion	Ratio	Lower	Upper
95	100		
97	64.2	46.8	87.0
132	92.3	66.5	123.5
130	96.3	70.6	131.0

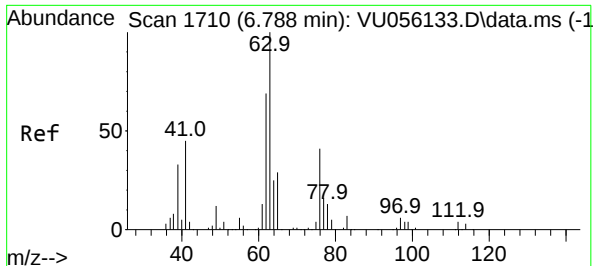


#35
Methylcyclohexane
Concen: 0.765 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056150.D
Acq: 09 Nov 2023 19:16

Tgt Ion: 83 Resp: 33468

Ion	Ratio	Lower	Upper
83	100		
55	0.6	60.6	91.0#
98	0.0	36.2	54.4#





#37

1,2-Dichloropropane

Concen: 0.546 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU056150.D

Acq: 09 Nov 2023 19:16

Instrument :

MSVOA_U

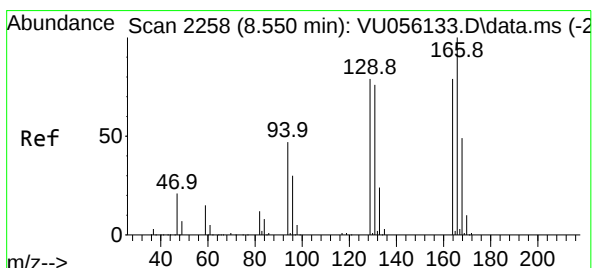
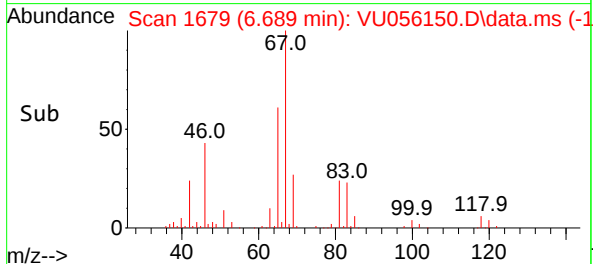
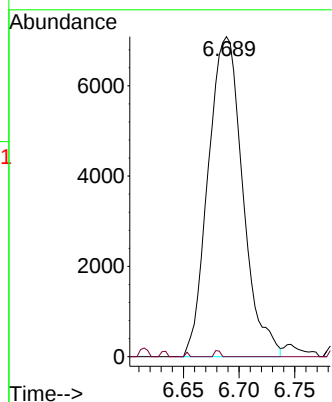
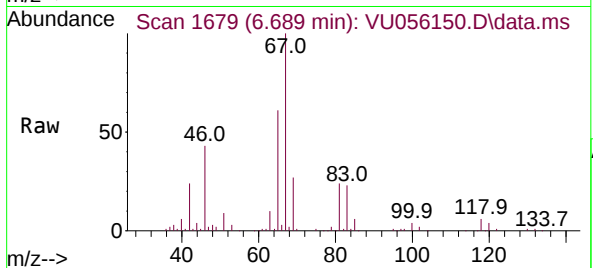
ClientSampleId :

Tgt Ion: 63 Resp: 15292

Ion Ratio Lower Upper

63 100

112 0.3 3.4 5.2#



#47

Tetrachloroethene

Concen: 0.811 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.003 min

Lab File: VU056150.D

Acq: 09 Nov 2023 19:16

Tgt Ion:164 Resp: 17903

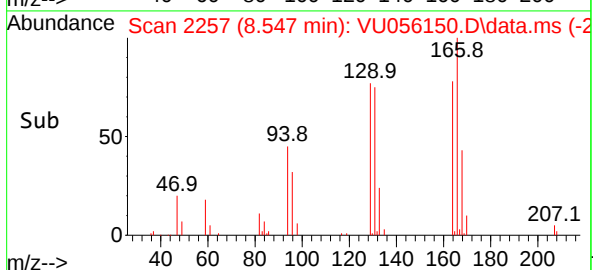
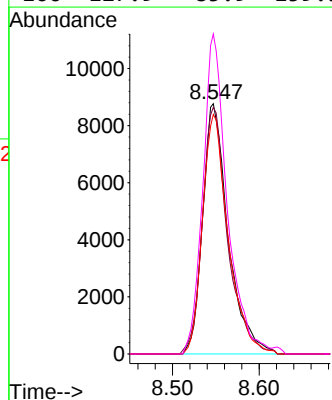
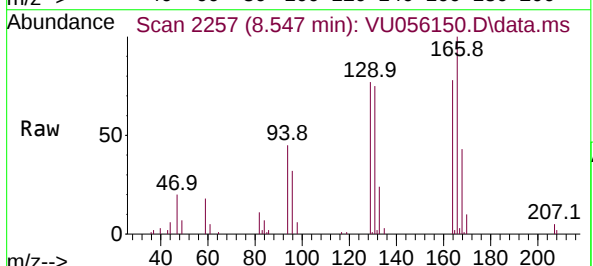
Ion Ratio Lower Upper

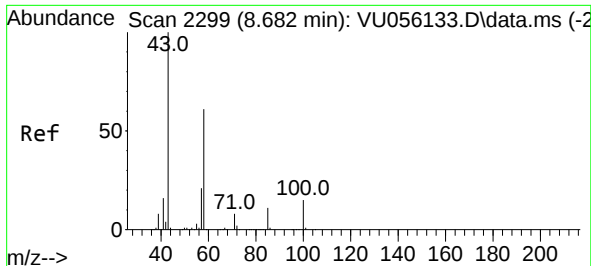
164 100

129 98.5 66.6 123.8

131 95.7 67.8 126.0

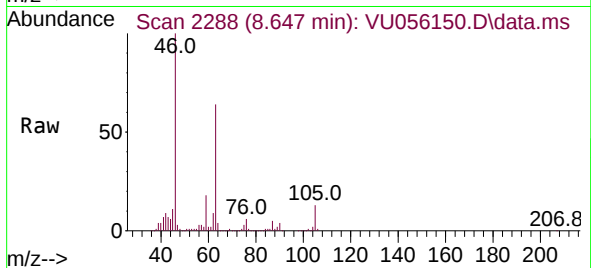
166 127.9 85.9 159.5



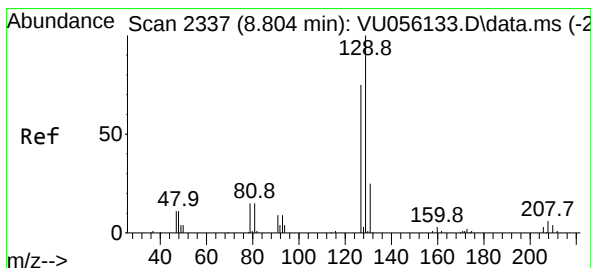
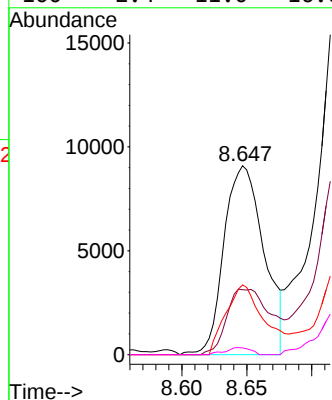
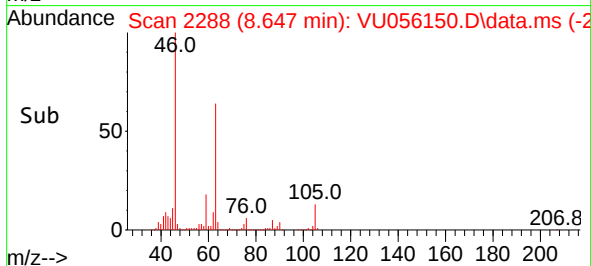


#48
2-Hexanone
Concen: 2.178 ug/L
RT: 8.647 min Scan# 21
Delta R.T. -0.035 min
Lab File: VU056150.D
Acq: 09 Nov 2023 19:16

Instrument :
MSVOA_U
ClientSampleId :

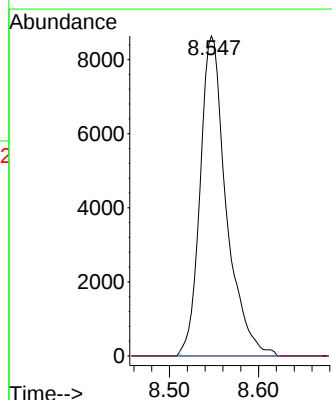
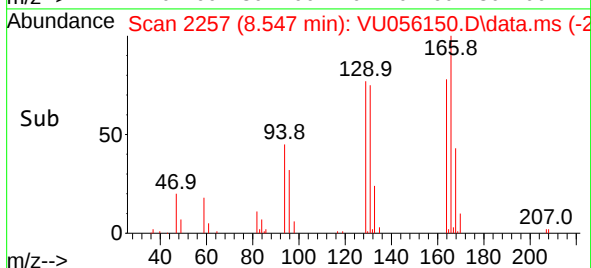
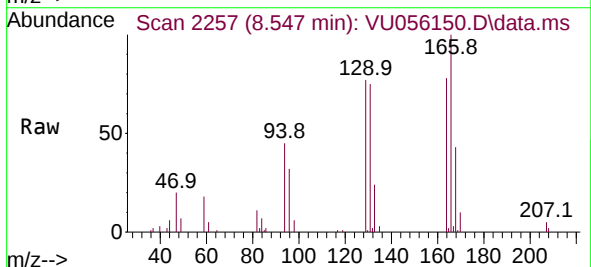


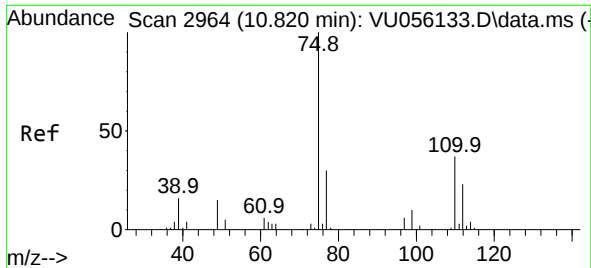
Tgt Ion: 43 Resp: 19432
Ion Ratio Lower Upper
43 100
58 38.6 52.0 78.0#
57 36.0 17.4 26.2#
100 2.4 11.0 16.6#



#49
Dibromochloromethane
Concen: 0.800 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.257 min
Lab File: VU056150.D
Acq: 09 Nov 2023 19:16

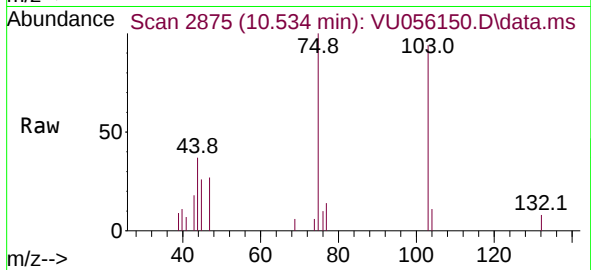
Tgt Ion: 129 Resp: 17573
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#





#61
1,2,3-Trichloropropane
Concen: 0.338 ug/L
RT: 10.534 min Scan# 21
Delta R.T. -0.286 min
Lab File: VU056150.D
Acq: 09 Nov 2023 19:16

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.7	44.5#
77	7.8	25.5	38.3#

