

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083023\
 Data File : VU055000.D
 Acq On : 30 Aug 2023 15:39
 Operator : MD/SY
 Sample : 04230-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 02:37:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 31 02:34:15 2023
 Response via : Initial Calibration

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

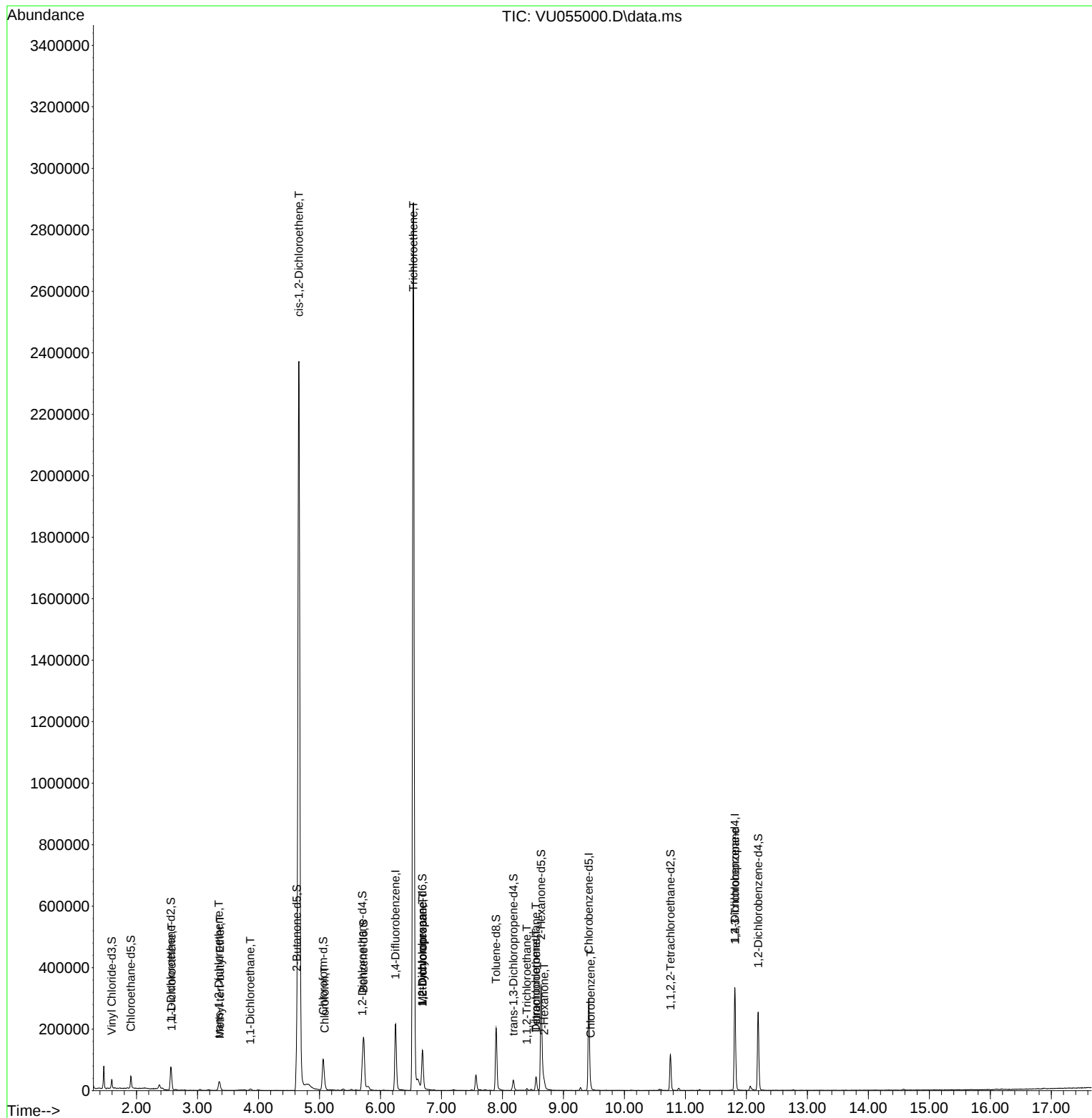
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	171318	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	166287	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	84204	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	18754	3.468	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	69.400%	
7) Chloroethane-d5	1.907	69	27488	3.935	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	78.600%	
11) 1,1-Dichloroethene-d2	2.563	65	11628	3.805	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	76.000%	
20) 2-Butanone-d5	4.628	46	178187	61.050	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	122.100%	
24) Chloroform-d	5.062	84	88819	4.428	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.600%	
26) 1,2-Dichloroethane-d4	5.701	65	51257	4.802	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.000%	
32) Benzene-d6	5.724	84	154137	4.124	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	82.400%	
36) 1,2-Dichloropropane-d6	6.689	67	58655	4.462	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	89.200%	
41) Toluene-d8	7.897	98	137130	3.831	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	76.600%	
43) trans-1,3-Dichloroprop...	8.180	79	17055	3.942	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	78.800%	
46) 2-Hexanone-d5	8.634	63	115015	56.011	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	112.020%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	57879	5.134	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	102.600%	
66) 1,2-Dichlorobenzene-d4	12.193	152	63089	4.693	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	93.800%	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	7602	0.983	ug/L #	51
17) Methyl tert-butyl Ether	3.367	73	17969	0.798	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	5729	0.678	ug/L	99
19) 1,1-Dichloroethane	3.865	63	5567	0.314	ug/L #	84
22) cis-1,2-Dichloroethene	4.663	96	1191725	118.244	ug/L	95
25) Chloroform	5.084	83	10173	0.523	ug/L	98
34) Trichloroethene	6.541	95	961973	88.486	ug/L	98
35) Methylcyclohexane	6.689	83	13758	0.855	ug/L #	18
37) 1,2-Dichloropropane	6.692	63	6564	0.600	ug/L #	90
45) 1,1,2-Trichloroethane	8.402	97	1840	0.249	ug/L	90
47) Tetrachloroethene	8.553	164	8638	1.106	ug/L	96
48) 2-Hexanone	8.685	43	13597	3.012	ug/L #	85
49) Dibromochloromethane	8.550	129	9453	1.106	ug/L #	6
51) Chlorobenzene	9.447	112	3869	0.137	ug/L	93
61) 1,2,3-Trichloropropane	11.814	75	12536	1.999	ug/L #	42

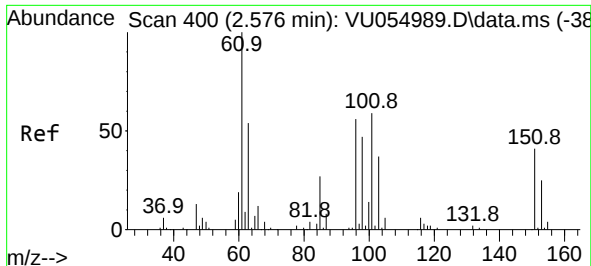
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Aug 31 02:34:15 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.983 ug/L

RT: 2.576 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU055000.D

Acq: 30 Aug 2023 15:39

Instrument :

MSVOA_U

ClientSampleId :

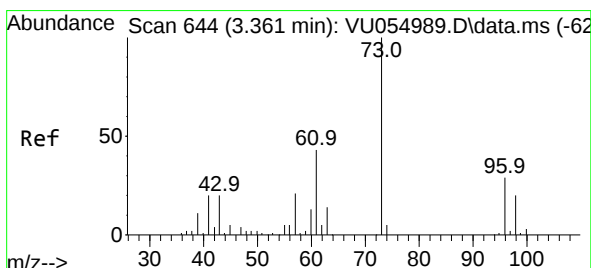
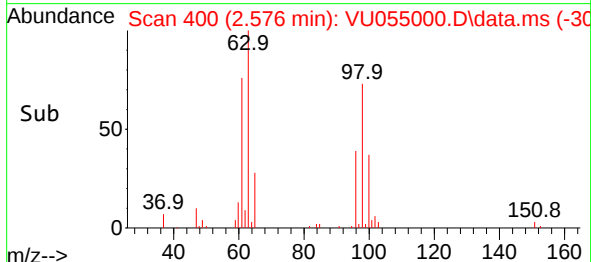
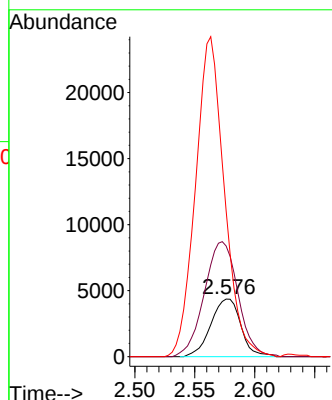
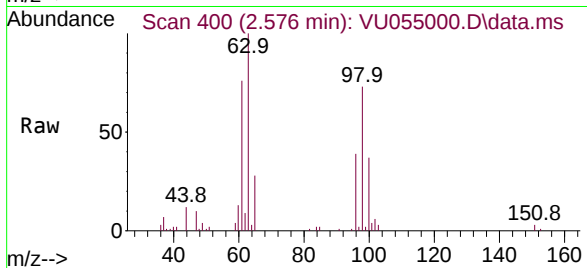
Tgt Ion: 96 Resp: 7602

Ion Ratio Lower Upper

96 100

61 192.3 132.4 245.8

63 253.5 82.5 153.1#



#17

Methyl tert-butyl Ether

Concen: 0.798 ug/L

RT: 3.367 min Scan# 646

Delta R.T. 0.006 min

Lab File: VU055000.D

Acq: 30 Aug 2023 15:39

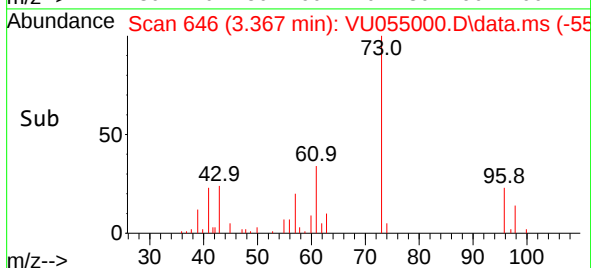
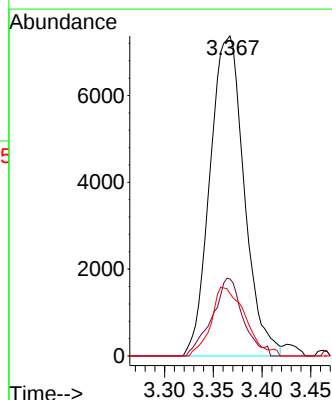
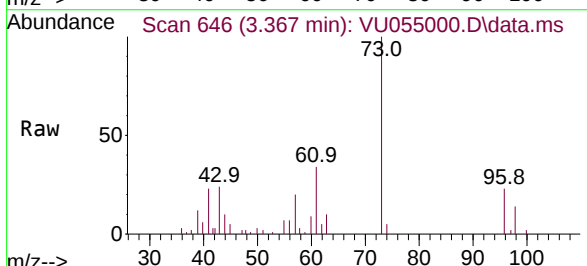
Tgt Ion: 73 Resp: 17969

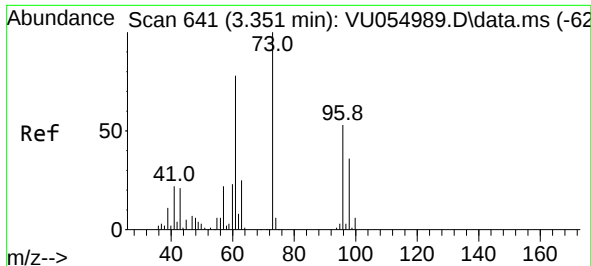
Ion Ratio Lower Upper

73 100

43 22.0 16.2 24.2

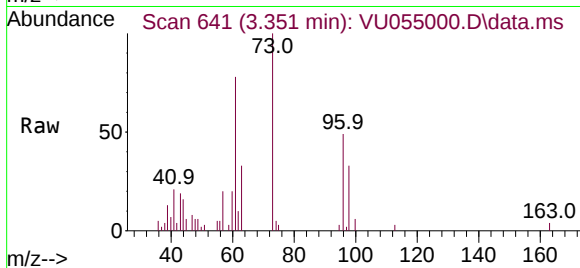
57 21.4 17.4 26.0



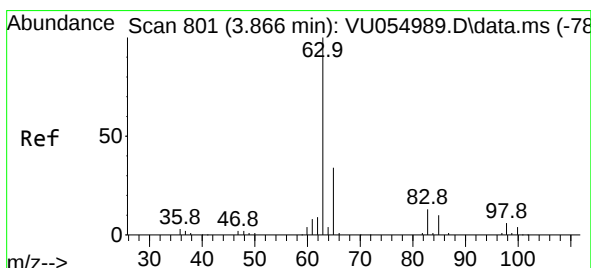
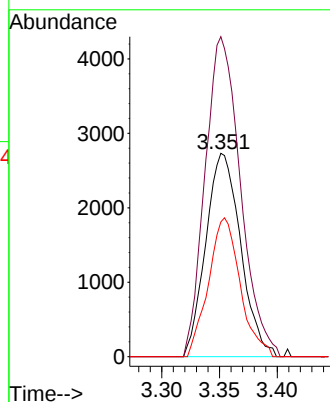
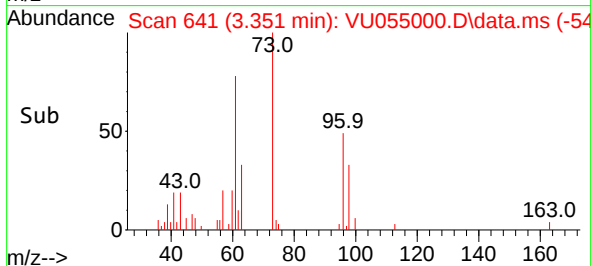


#18
trans-1,2-Dichloroethene
Concen: 0.678 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055000.D
Acq: 30 Aug 2023 15:39

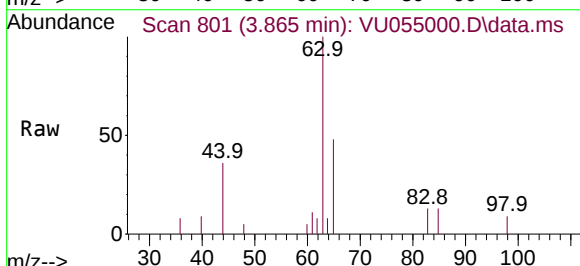
Instrument :
MSVOA_U
ClientSampleId :



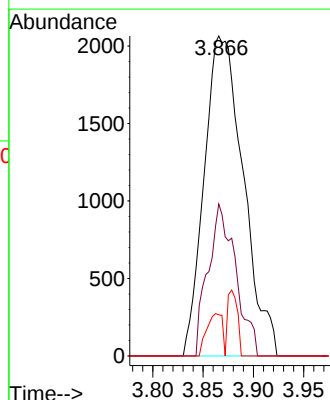
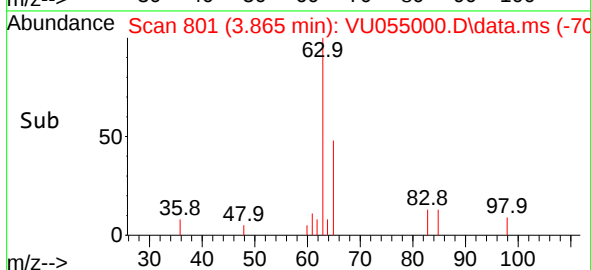
Tgt Ion: 96 Resp: 5729
Ion Ratio Lower Upper
96 100
61 157.4 108.8 202.0
98 66.3 45.8 85.2

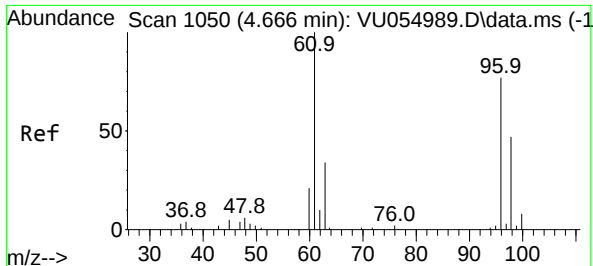


#19
1,1-Dichloroethane
Concen: 0.314 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU055000.D
Acq: 30 Aug 2023 15:39



Tgt Ion: 63 Resp: 5567
Ion Ratio Lower Upper
63 100
65 43.9 22.5 41.7#
83 11.9 9.5 17.7





#22

cis-1,2-Dichloroethene

Concen: 118.244 ug/L

RT: 4.663 min Scan# 110

Delta R.T. -0.004 min

Lab File: VU055000.D

Acq: 30 Aug 2023 15:39

Instrument :

MSVOA_U

ClientSampleId :

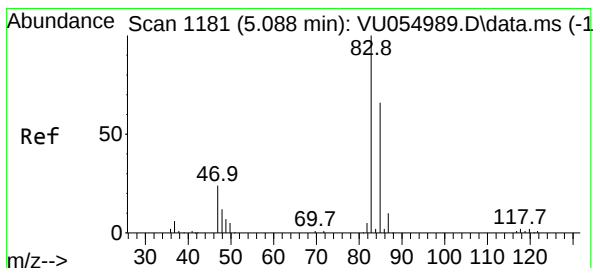
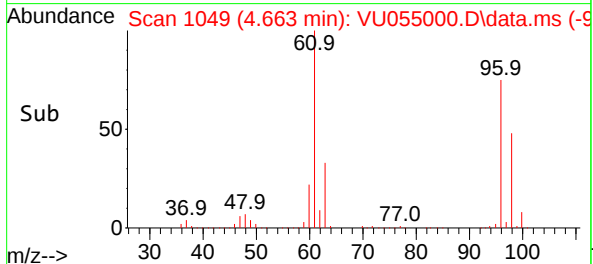
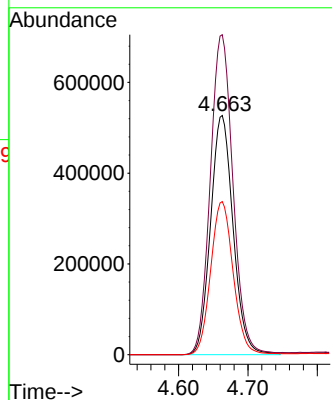
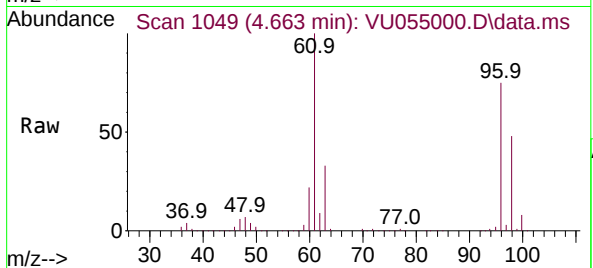
Tgt Ion: 96 Resp: 1191725

Ion Ratio Lower Upper

96 100

61 133.8 88.4 164.2

98 64.0 44.0 81.6



#25

Chloroform

Concen: 0.523 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.004 min

Lab File: VU055000.D

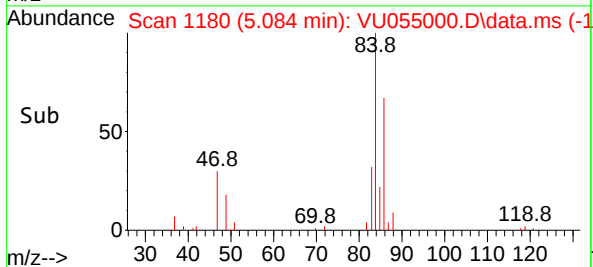
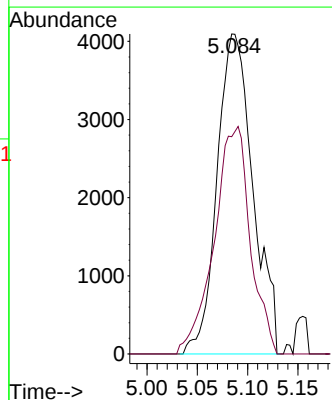
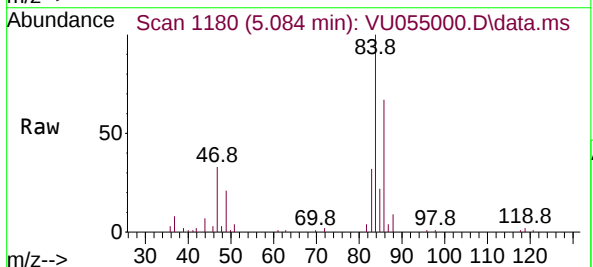
Acq: 30 Aug 2023 15:39

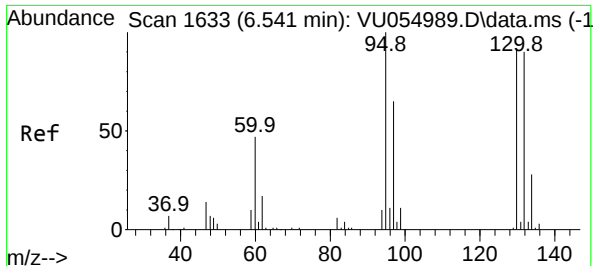
Tgt Ion: 83 Resp: 10173

Ion Ratio Lower Upper

83 100

85 67.9 46.7 86.7

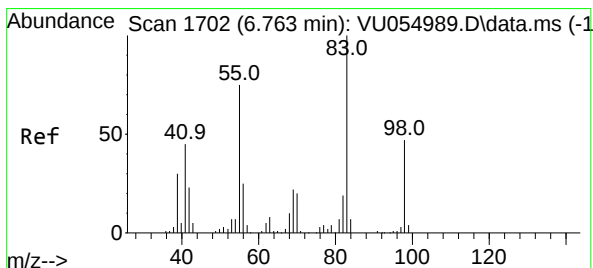
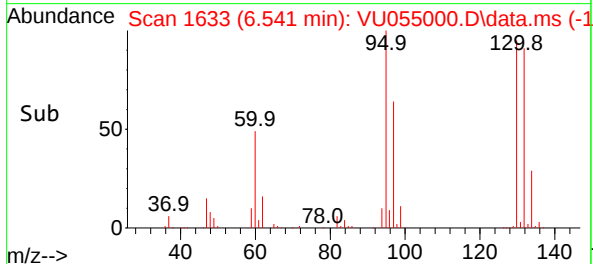
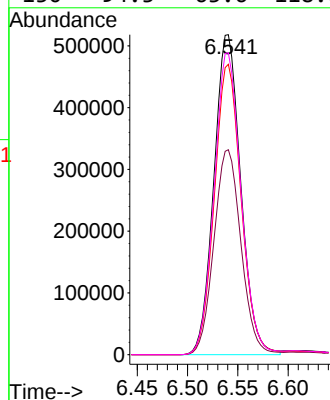
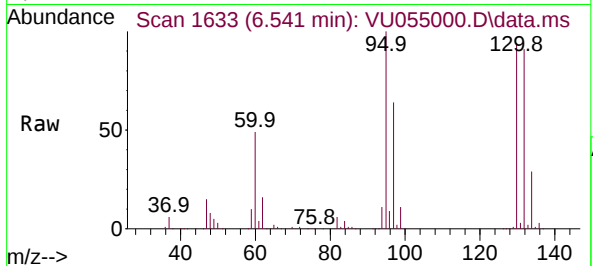




#34
Trichloroethene
Concen: 88.486 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055000.D
Acq: 30 Aug 2023 15:39

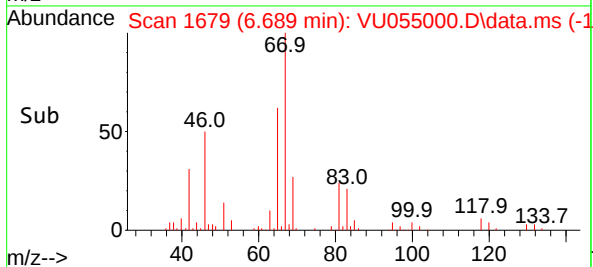
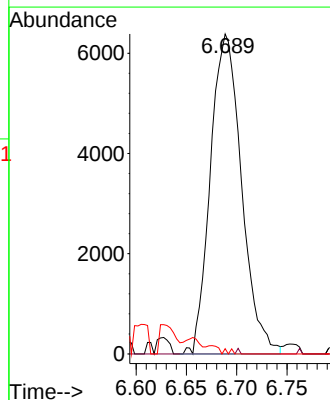
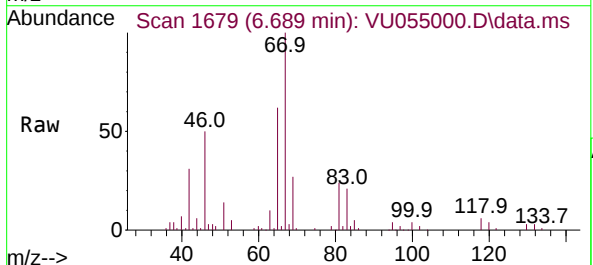
Instrument :
MSVOA_U
ClientSampleId :

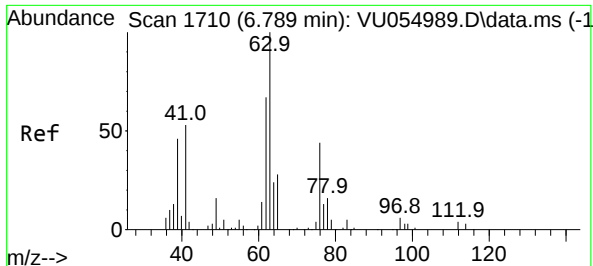
Tgt Ion: 95 Resp: 961973
Ion Ratio Lower Upper
95 100
97 64.0 44.1 81.9
132 90.7 63.6 118.2
130 94.3 63.6 118.0



#35
Methylcyclohexane
Concen: 0.855 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.074 min
Lab File: VU055000.D
Acq: 30 Aug 2023 15:39

Tgt Ion: 83 Resp: 13758
Ion Ratio Lower Upper
83 100
55 0.2 62.1 93.1#
98 0.0 37.8 56.6#

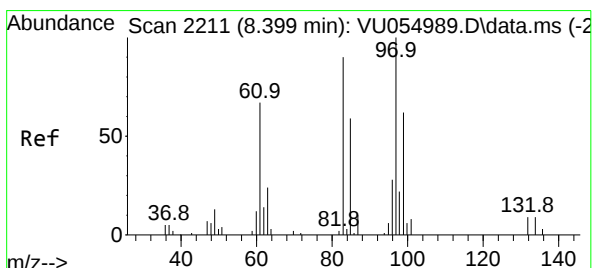
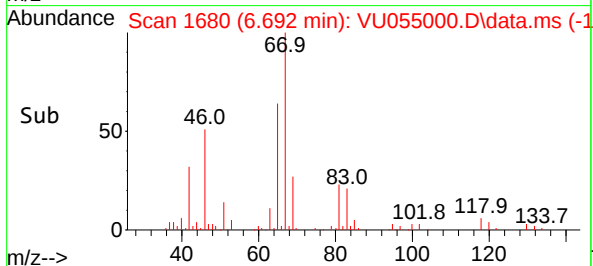
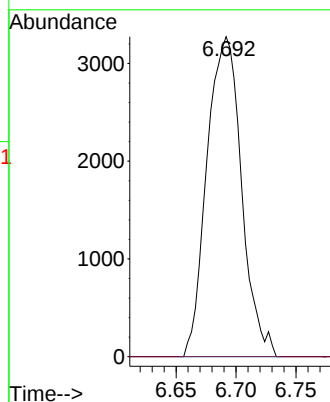
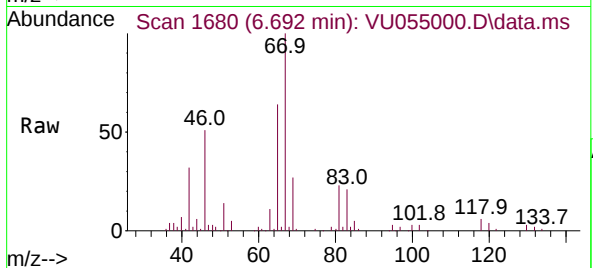




#37
1,2-Dichloropropane
Concen: 0.600 ug/L
RT: 6.692 min Scan# 1
Delta R.T. -0.097 min
Lab File: VU055000.D
Acq: 30 Aug 2023 15:39

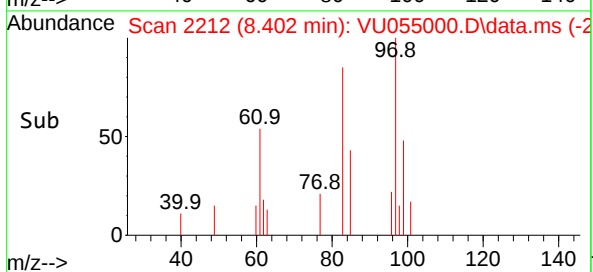
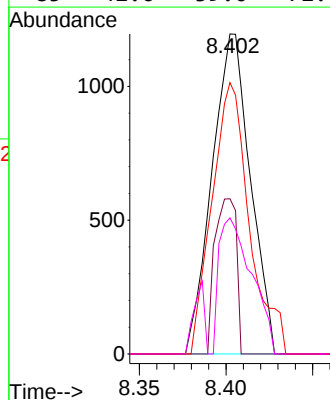
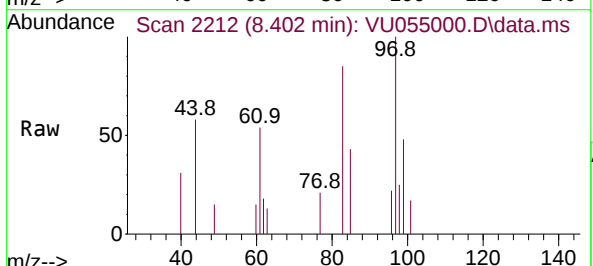
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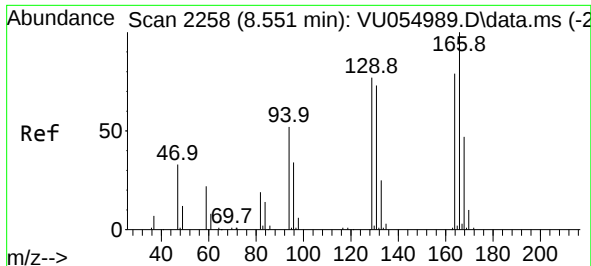
Tgt Ion: 63 Resp: 6564
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



#45
1,1,2-Trichloroethane
Concen: 0.249 ug/L
RT: 8.402 min Scan# 2212
Delta R.T. 0.003 min
Lab File: VU055000.D
Acq: 30 Aug 2023 15:39

Tgt Ion: 97 Resp: 1840
Ion Ratio Lower Upper
97 100
99 48.5 41.5 77.1
83 84.8 59.8 111.1
85 42.6 39.0 72.4





#47

Tetrachloroethene

Concen: 1.106 ug/L

RT: 8.553 min Scan# 21

Delta R.T. 0.003 min

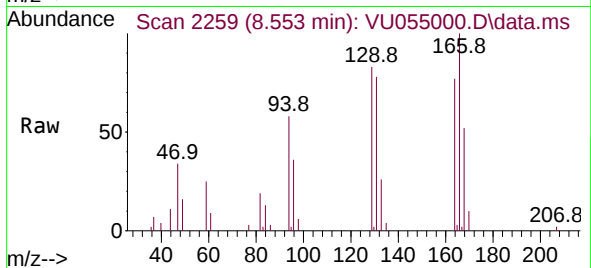
Lab File: VU055000.D

Acq: 30 Aug 2023 15:39

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 8638

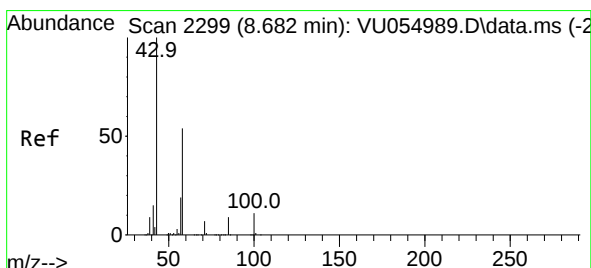
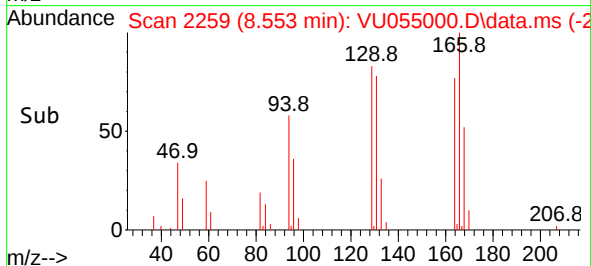
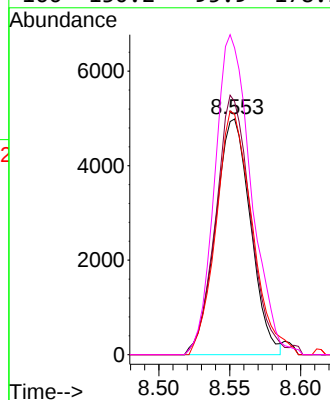
Ion Ratio Lower Upper

164 100

129 107.4 72.8 135.2

131 102.1 70.7 131.3

166 130.2 95.9 178.1



#48

2-Hexanone

Concen: 3.012 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU055000.D

Acq: 30 Aug 2023 15:39

Tgt Ion: 43 Resp: 13597

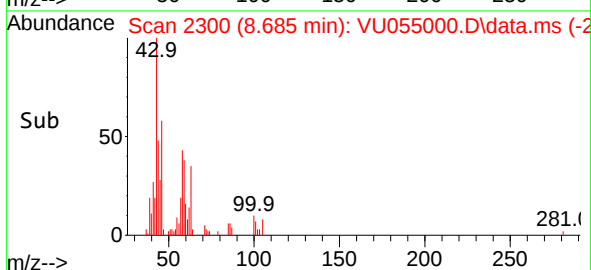
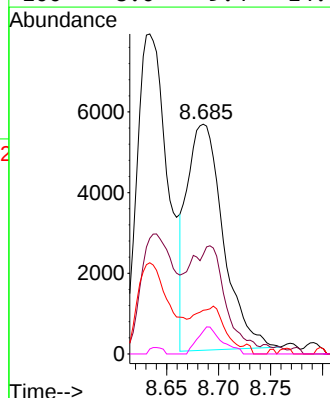
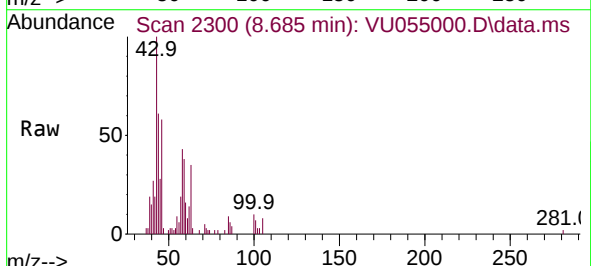
Ion Ratio Lower Upper

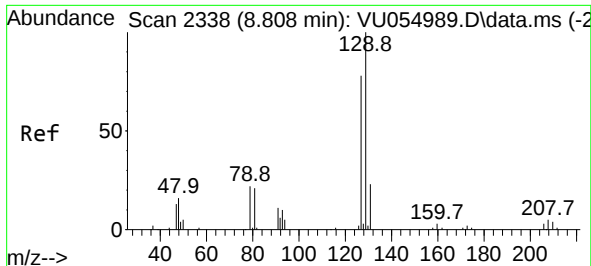
43 100

58 43.0 44.0 66.0#

57 13.7 15.9 23.9#

100 8.0 9.4 14.0#

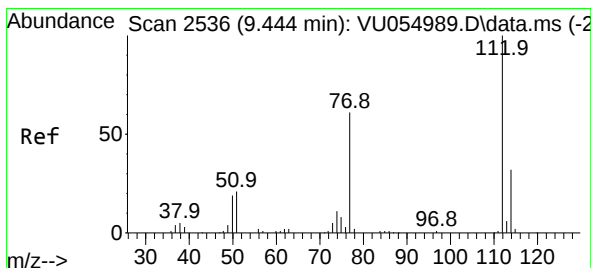
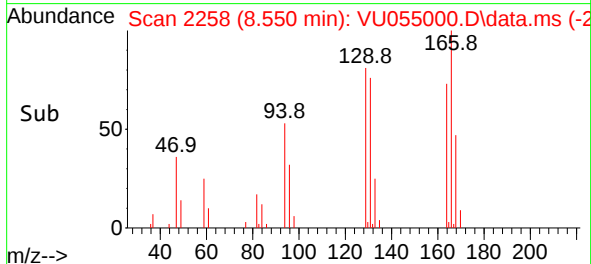
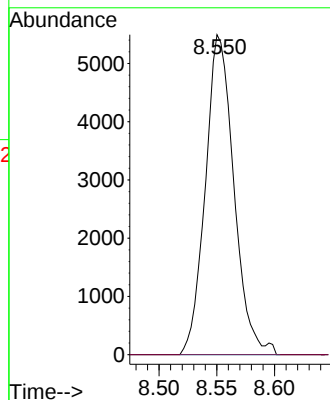
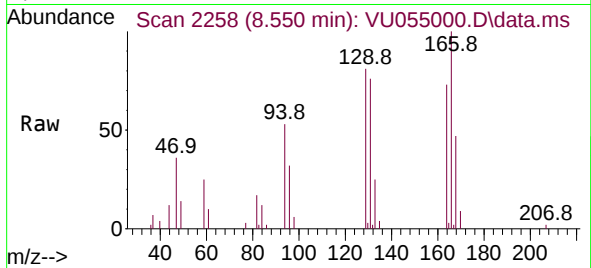




#49
Dibromochloromethane
Concen: 1.106 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.258 min
Lab File: VU055000.D
Acq: 30 Aug 2023 15:39

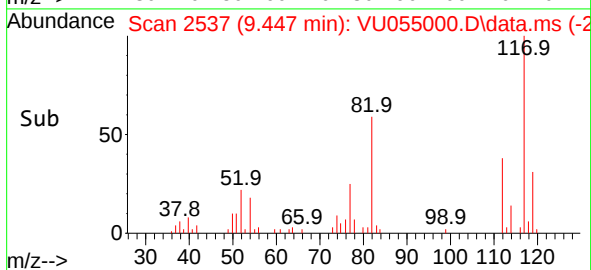
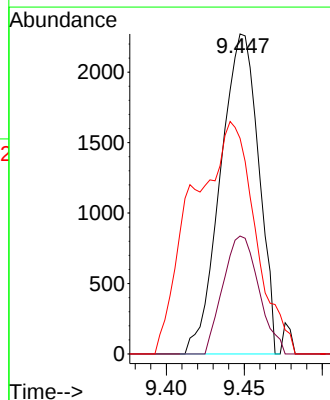
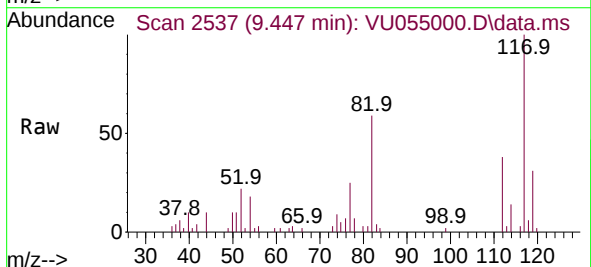
Instrument :
MSVOA_U
ClientSampleId :

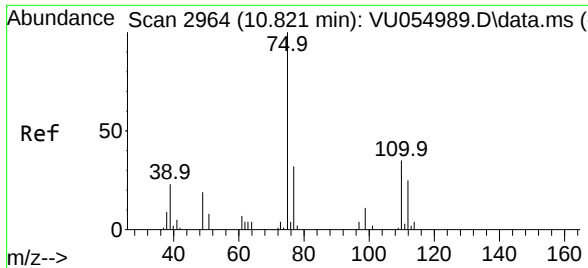
Tgt Ion:129 Resp: 9453
Ion Ratio Lower Upper
129 100
127 0.0 60.5 112.5#



#51
Chlorobenzene
Concen: 0.137 ug/L
RT: 9.447 min Scan# 2537
Delta R.T. 0.003 min
Lab File: VU055000.D
Acq: 30 Aug 2023 15:39

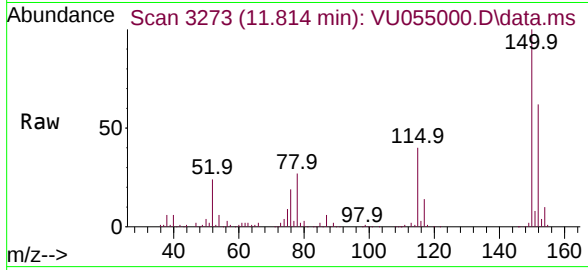
Tgt Ion:112 Resp: 3869
Ion Ratio Lower Upper
112 100
114 36.9 23.4 43.4
77 67.4 49.3 73.9





#61
1,2,3-Trichloropropane
Concen: 1.999 ug/L
RT: 11.814 min Scan# 31
Delta R.T. 0.993 min
Lab File: VU055000.D
Acq: 30 Aug 2023 15:39

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
110	1.8	29.0	43.6#
77	0.0	26.5	39.7#

