

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083023\
 Data File : VU054997.D
 Acq On : 30 Aug 2023 14:27
 Operator : MD/SY
 Sample : 04209-20
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 02:36:40 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

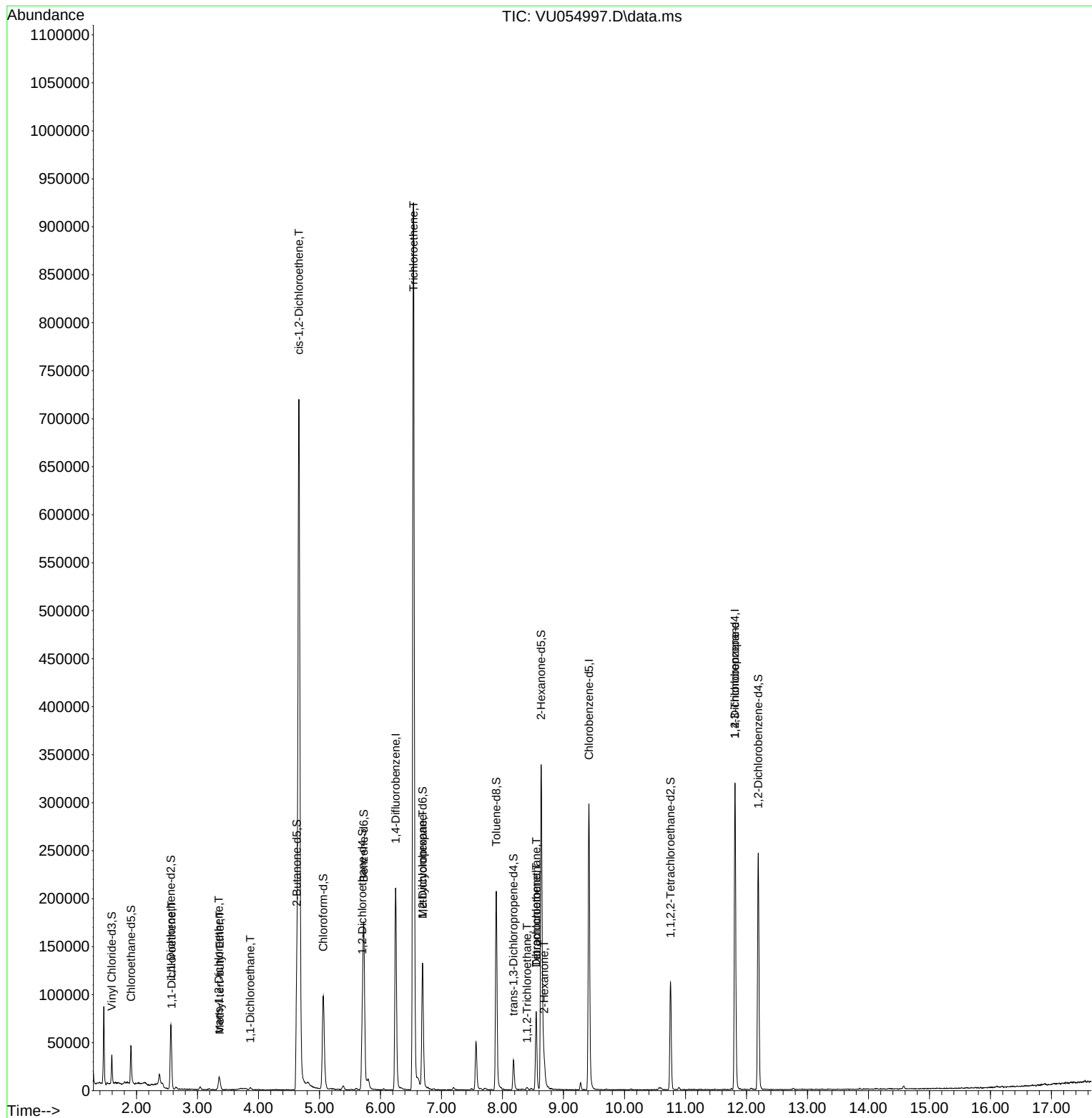
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	166230	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	159101	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	80809	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	19051	3.631	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.600%
7) Chloroethane-d5	1.911	69	27130	4.003	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.563	65	11901	4.013	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.200%
20) 2-Butanone-d5	4.627	46	170661	60.261	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.520%
24) Chloroform-d	5.061	84	87754	4.509	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.701	65	50712	4.897	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.727	84	157300	4.398	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.688	67	61783	4.912	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.897	98	140106	4.091	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.800%
43) trans-1,3-Dichloroprop...	8.180	79	17519	4.232	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.600%
46) 2-Hexanone-d5	8.634	63	111890	56.950	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.900%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	56559	5.244	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	62354	4.833	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.576	96	2399	0.320	ug/L #	1
17) Methyl tert-butyl Ether	3.364	73	7516	0.344	ug/L	95
18) trans-1,2-Dichloroethene	3.351	96	3016	0.368	ug/L	81
19) 1,1-Dichloroethane	3.865	63	2901	0.169	ug/L	90
22) cis-1,2-Dichloroethene	4.663	96	351577	35.952	ug/L	92
34) Trichloroethene	6.541	95	312823	30.074	ug/L	99
35) Methylcyclohexane	6.688	83	13996	0.909	ug/L #	18
45) 1,1,2-Trichloroethane	8.402	97	915	0.130	ug/L	83
47) Tetrachloroethene	8.553	164	16313	2.183	ug/L	96
48) 2-Hexanone	8.685	43	13635	3.156	ug/L #	72
49) Dibromochloromethane	8.553	129	16717	2.044	ug/L #	6
61) 1,2,3-Trichloropropane	11.810	75	11438	1.901	ug/L #	66

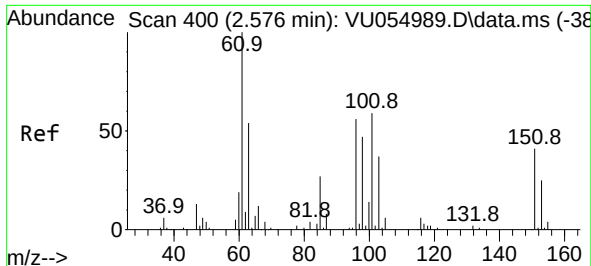
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.320 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU054997.D

Acq: 30 Aug 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :

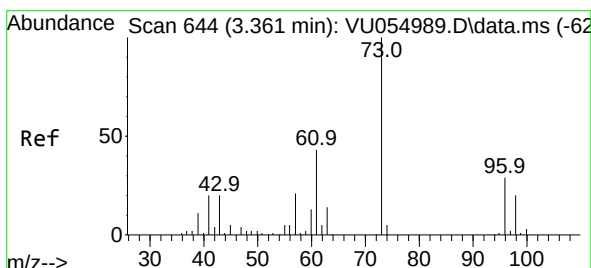
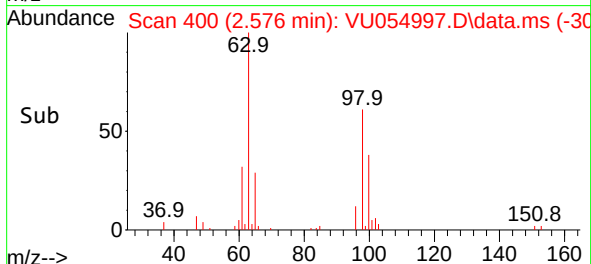
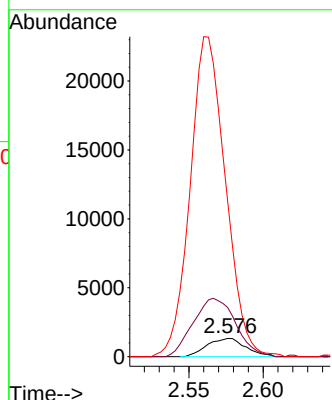
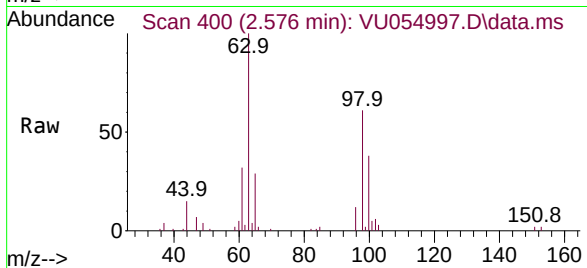
Tgt Ion: 96 Resp: 2399

Ion Ratio Lower Upper

96 100

61 268.4 132.4 245.8#

63 846.1 82.5 153.1#



#17

Methyl tert-butyl Ether

Concen: 0.344 ug/L

RT: 3.364 min Scan# 645

Delta R.T. 0.003 min

Lab File: VU054997.D

Acq: 30 Aug 2023 14:27

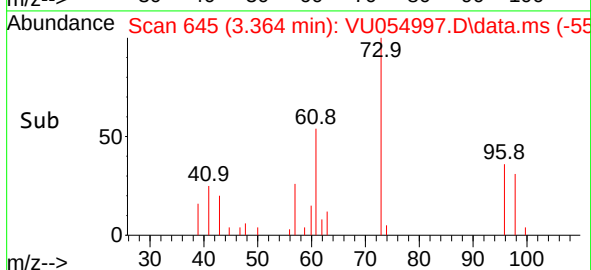
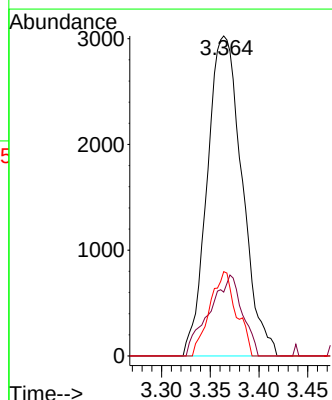
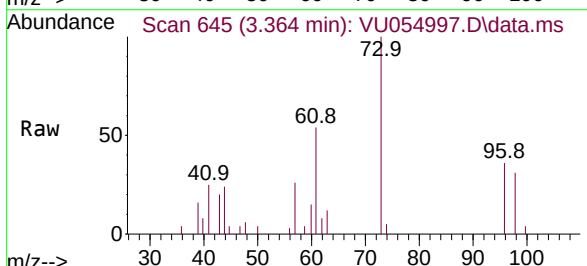
Tgt Ion: 73 Resp: 7516

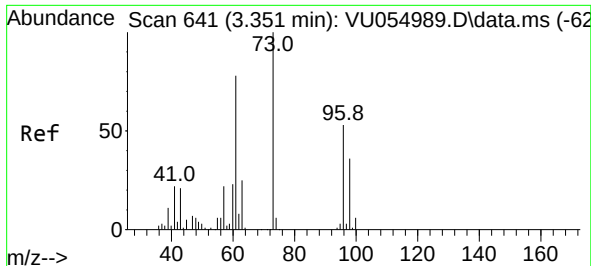
Ion Ratio Lower Upper

73 100

43 23.8 16.2 24.2

57 20.2 17.4 26.0

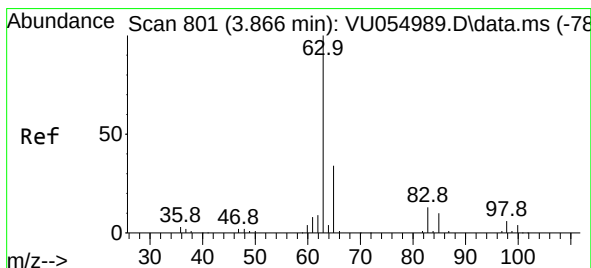
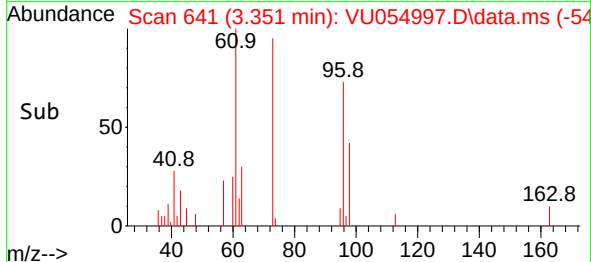
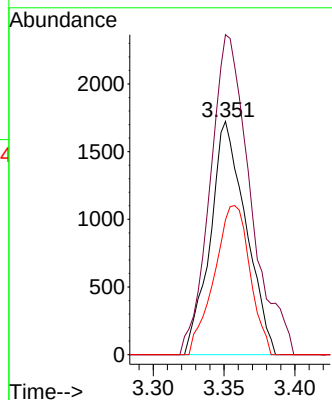
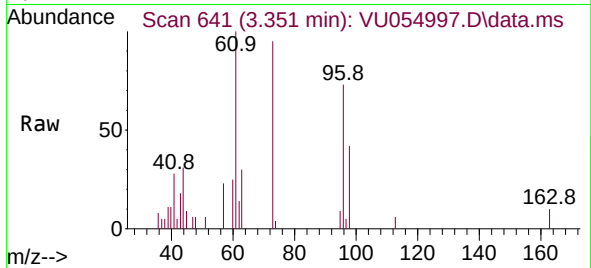




#18
trans-1,2-Dichloroethene
Concen: 0.368 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054997.D
Acq: 30 Aug 2023 14:27

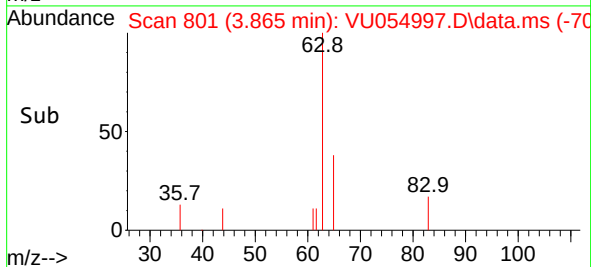
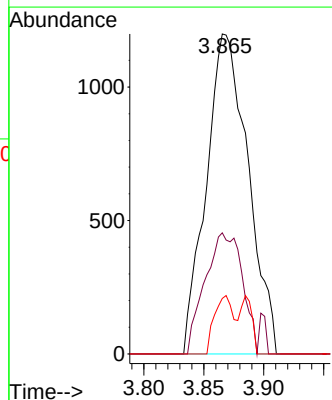
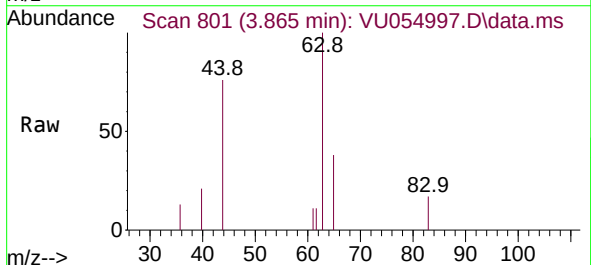
Instrument :
MSVOA_U
ClientSampleId :

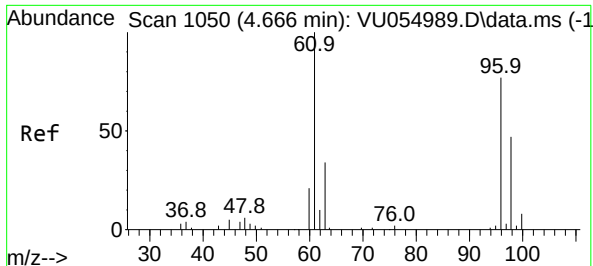
Tgt Ion: 96 Resp: 3016
Ion Ratio Lower Upper
96 100
61 128.9 108.8 202.0
98 54.4 45.8 85.2



#19
1,1-Dichloroethane
Concen: 0.169 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU054997.D
Acq: 30 Aug 2023 14:27

Tgt Ion: 63 Resp: 2901
Ion Ratio Lower Upper
63 100
65 37.9 22.5 41.7
83 17.3 9.5 17.7

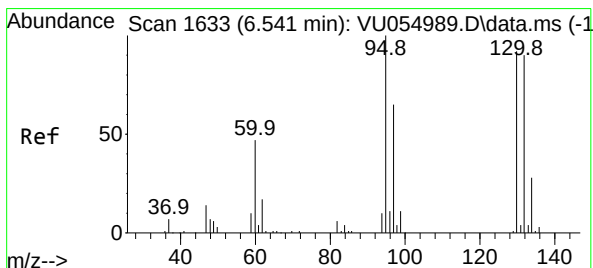
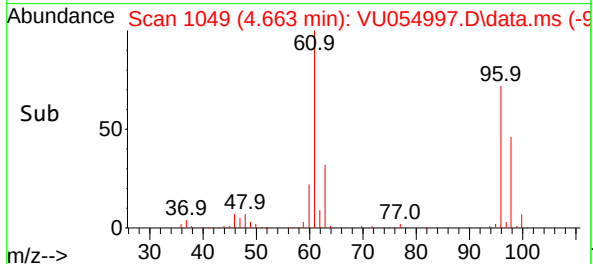
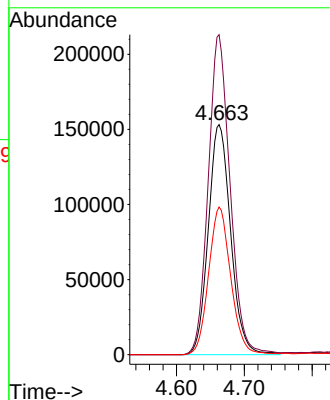
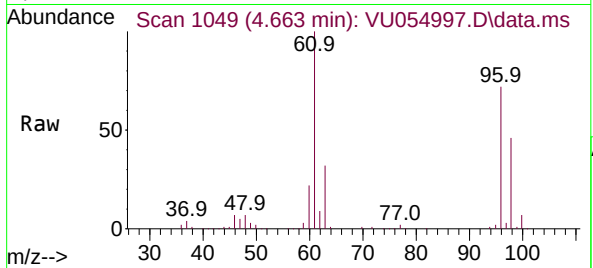




#22
 cis-1,2-Dichloroethene
 Concen: 35.952 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.004 min
 Lab File: VU054997.D
 Acq: 30 Aug 2023 14:27

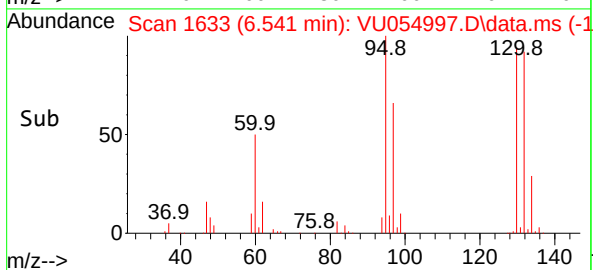
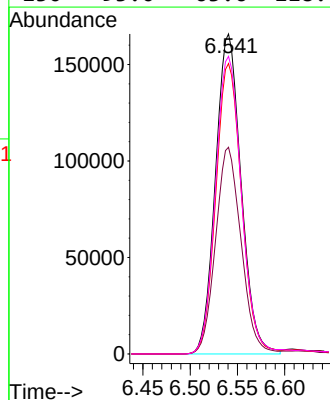
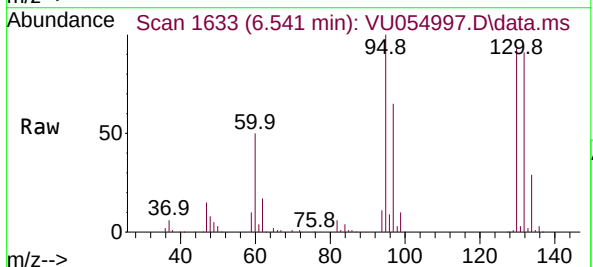
Instrument :
 MSVOA_U
 ClientSampleId :

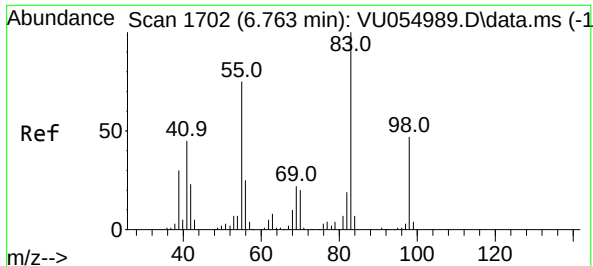
Tgt Ion: 96 Resp: 351577
 Ion Ratio Lower Upper
 96 100
 61 139.1 88.4 164.2
 98 64.2 44.0 81.6



#34
 Trichloroethene
 Concen: 30.074 ug/L
 RT: 6.541 min Scan# 1633
 Delta R.T. -0.000 min
 Lab File: VU054997.D
 Acq: 30 Aug 2023 14:27

Tgt Ion: 95 Resp: 312823
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.1 81.9
 132 90.7 63.6 118.2
 130 93.0 63.6 118.0





#35

Methylcyclohexane

Concen: 0.909 ug/L

RT: 6.688 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU054997.D

Acq: 30 Aug 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :

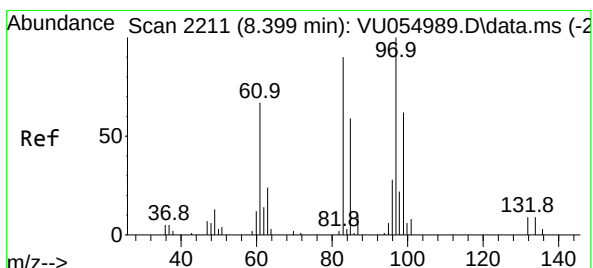
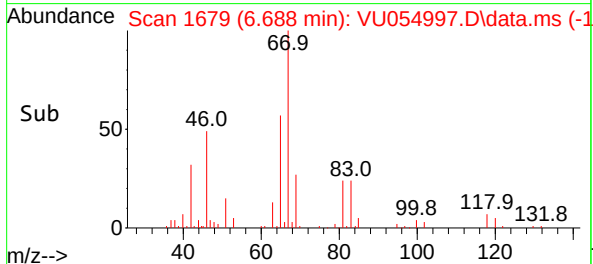
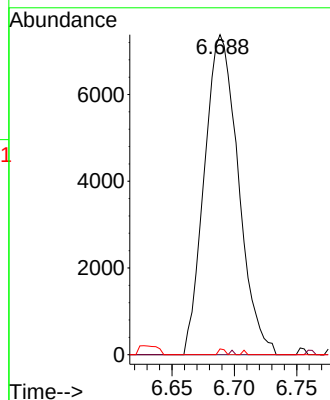
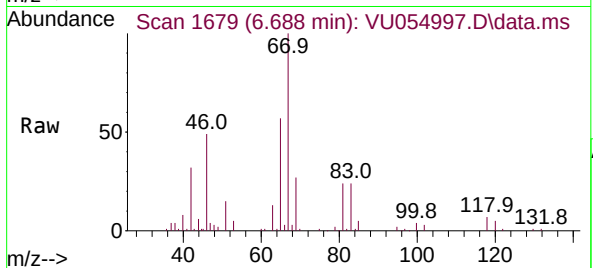
Tgt Ion: 83 Resp: 13996

Ion Ratio Lower Upper

83 100

55 0.1 62.1 93.1#

98 0.0 37.8 56.6#



#45

1,1,2-Trichloroethane

Concen: 0.130 ug/L

RT: 8.402 min Scan# 2212

Delta R.T. 0.003 min

Lab File: VU054997.D

Acq: 30 Aug 2023 14:27

Tgt Ion: 97 Resp: 915

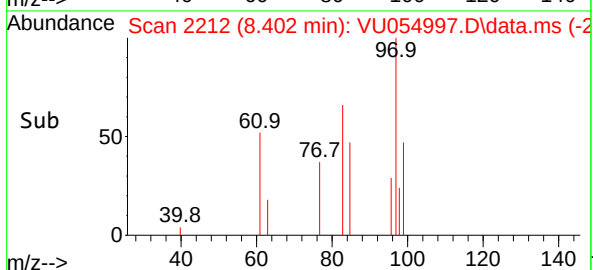
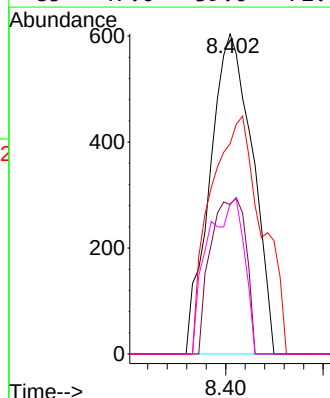
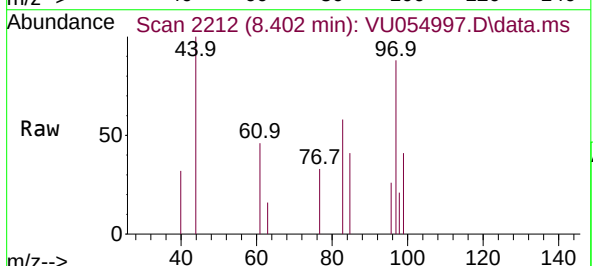
Ion Ratio Lower Upper

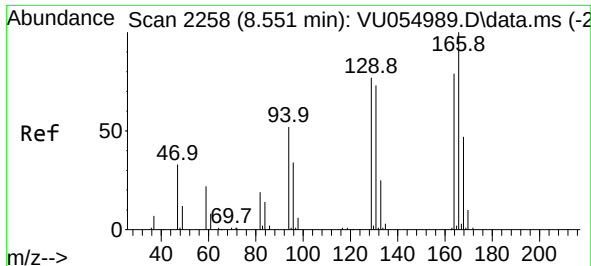
97 100

99 46.7 41.5 77.1

83 65.7 59.8 111.1

85 47.0 39.0 72.4





#47

Tetrachloroethene

Concen: 2.183 ug/L

RT: 8.553 min Scan# 21

Delta R.T. 0.003 min

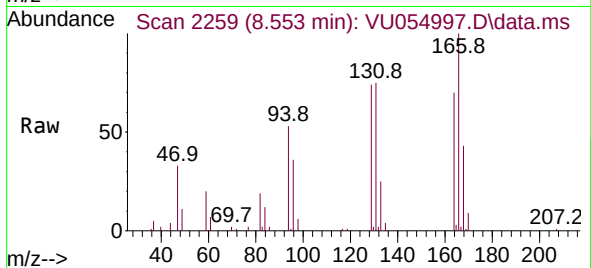
Lab File: VU054997.D

Acq: 30 Aug 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 16313

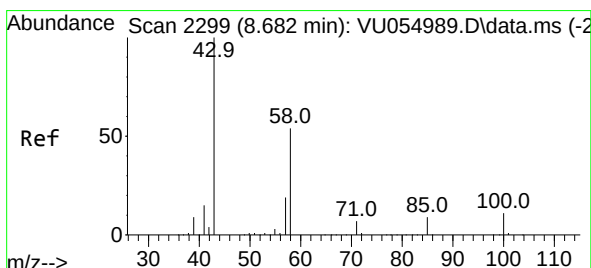
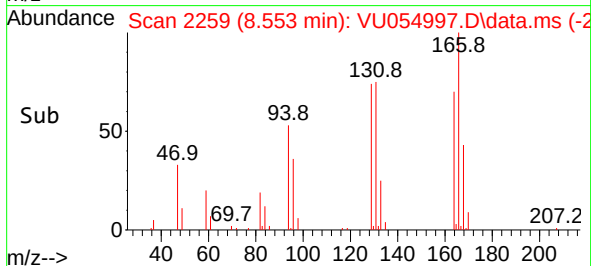
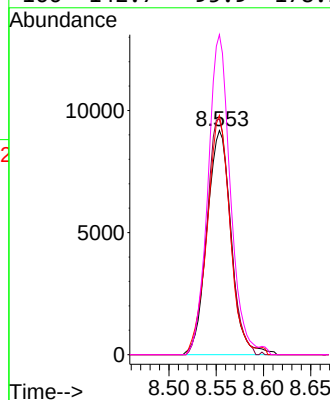
Ion Ratio Lower Upper

164 100

129 105.0 72.8 135.2

131 106.7 70.7 131.3

166 142.7 95.9 178.1



#48

2-Hexanone

Concen: 3.156 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU054997.D

Acq: 30 Aug 2023 14:27

Tgt Ion: 43 Resp: 13635

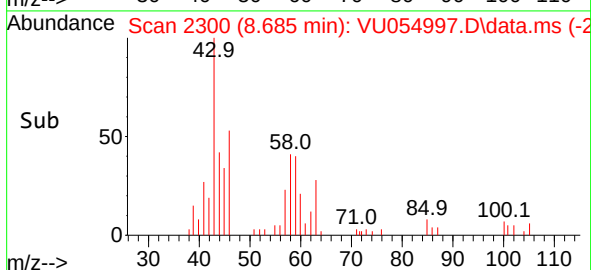
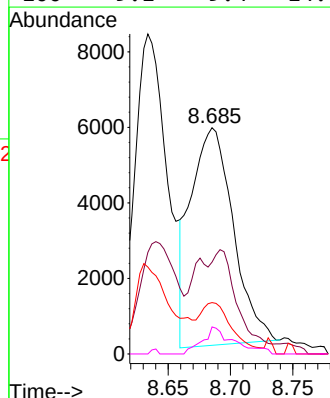
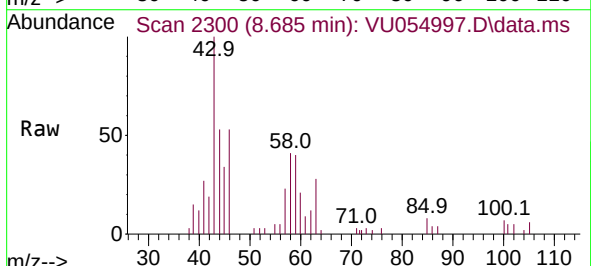
Ion Ratio Lower Upper

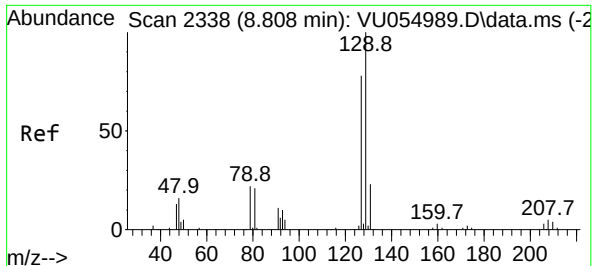
43 100

58 25.1 44.0 66.0#

57 18.6 15.9 23.9

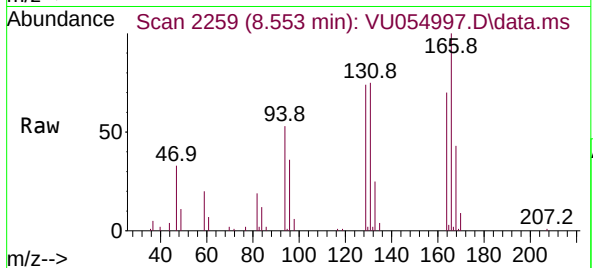
100 9.1 9.4 14.0#



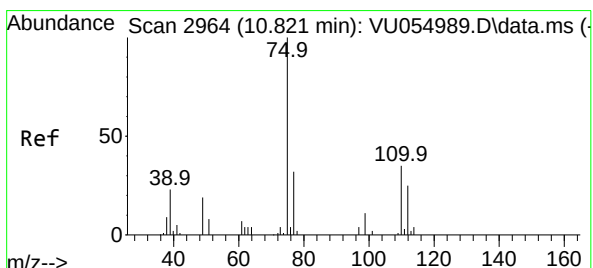
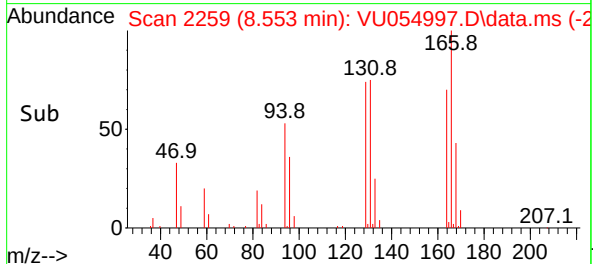
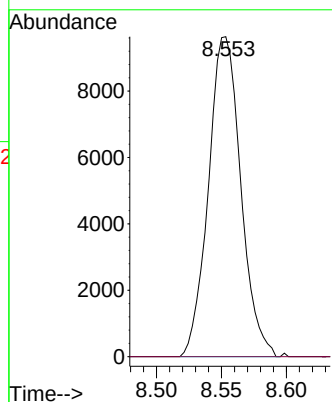


#49
Dibromochloromethane
Concen: 2.044 ug/L
RT: 8.553 min Scan# 21
Delta R.T. -0.254 min
Lab File: VU054997.D
Acq: 30 Aug 2023 14:27

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:129 Resp: 16717
Ion Ratio Lower Upper
129 100
127 0.0 60.5 112.5#



#61
1,2,3-Trichloropropane
Concen: 1.901 ug/L
RT: 11.810 min Scan# 3272
Delta R.T. 0.990 min
Lab File: VU054997.D
Acq: 30 Aug 2023 14:27

Tgt Ion: 75 Resp: 11438
Ion Ratio Lower Upper
75 100
110 2.0 29.0 43.6#
77 36.9 26.5 39.7

