

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 :
 BH488

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)

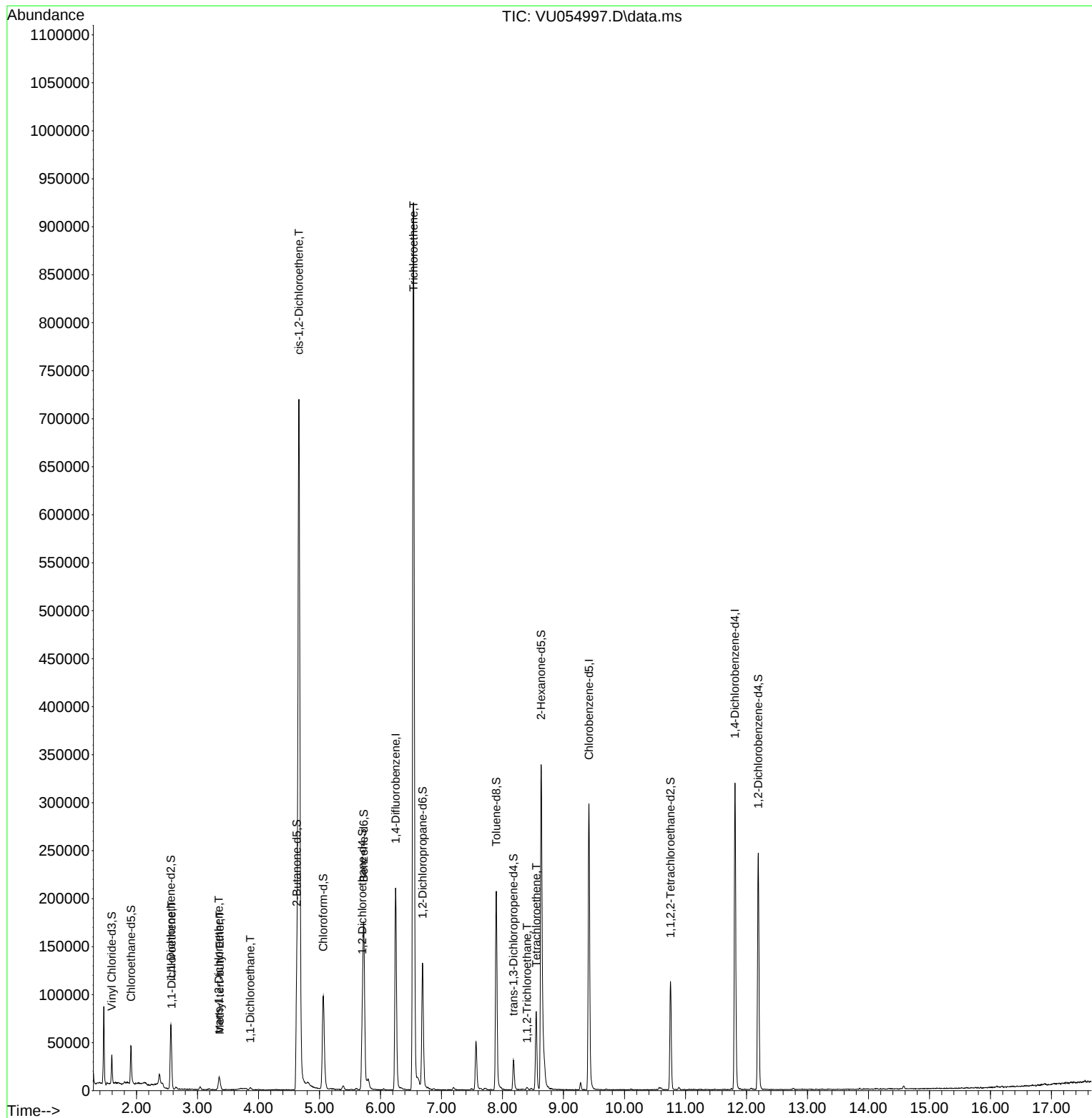
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	166230	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	159101	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	80809	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	19051	3.631	ug/L	0.00
Spiked Amount	5.000	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
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

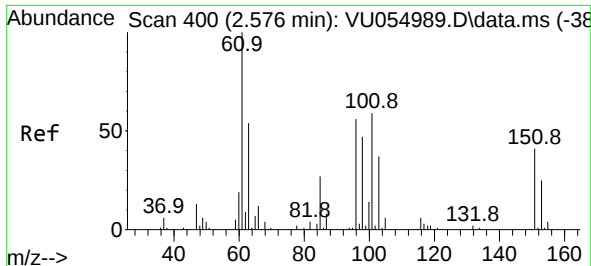
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 31 02:34:15 2023
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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 :

BH488

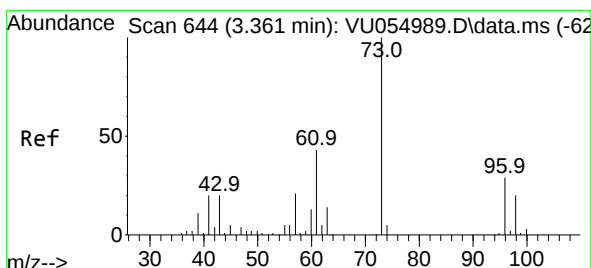
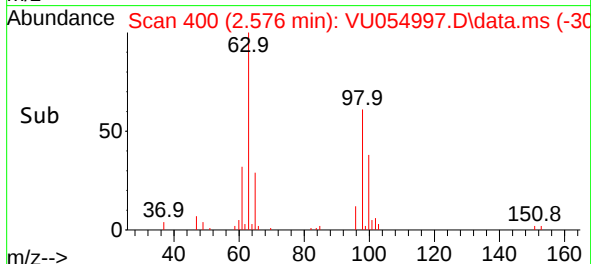
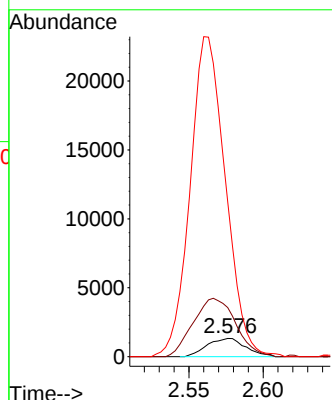
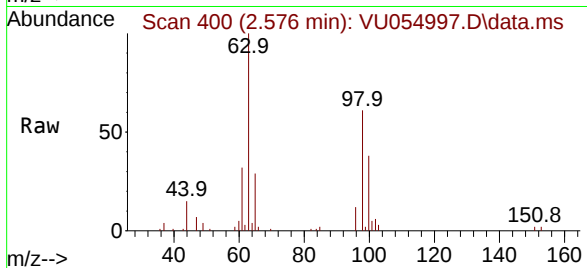
Tgt Ion: 96 Resp: 2399

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

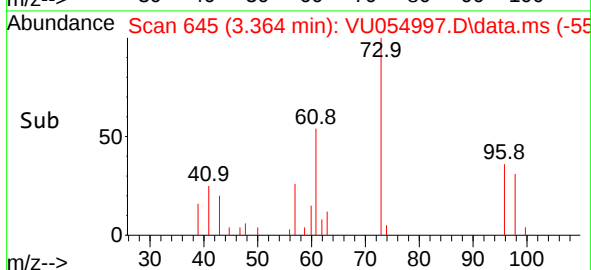
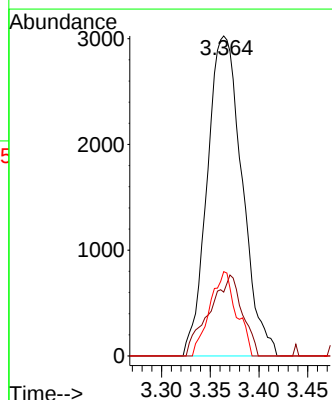
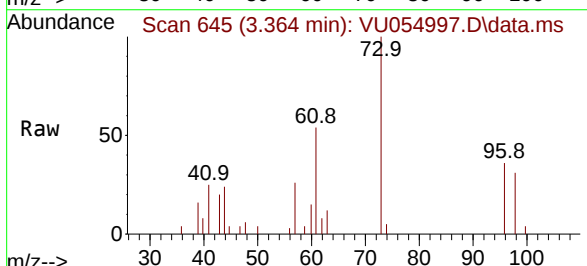
Tgt Ion: 73 Resp: 7516

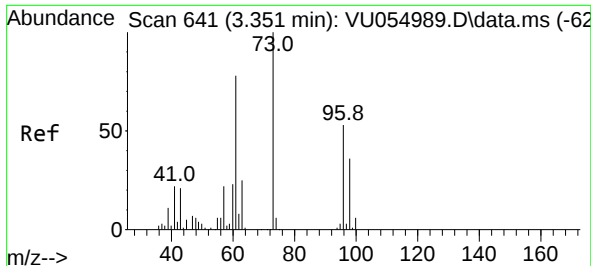
Ion Ratio Lower Upper

73 100

43 23.8 16.2 24.2

57 20.2 17.4 26.0

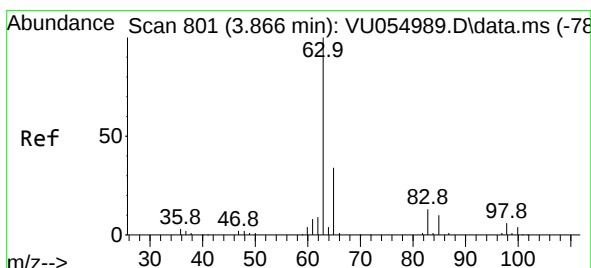
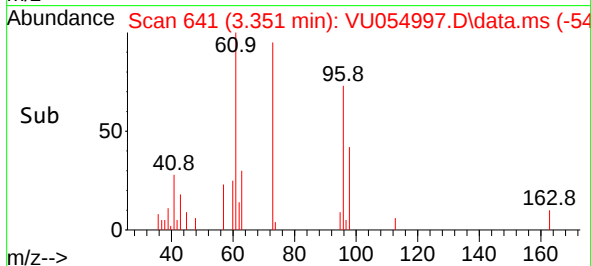
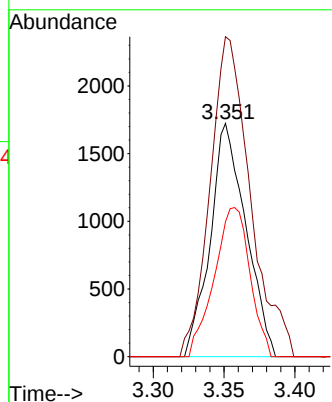
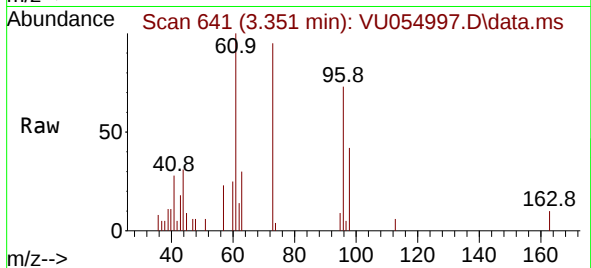




#18
 trans-1,2-Dichloroethene
 Concen: 0.368 ug/L
 RT: 3.351 min Scan# 641
 Delta R.T. -0.000 min
 Lab File: VU054997.D
 Acq: 30 Aug 2023 14:27

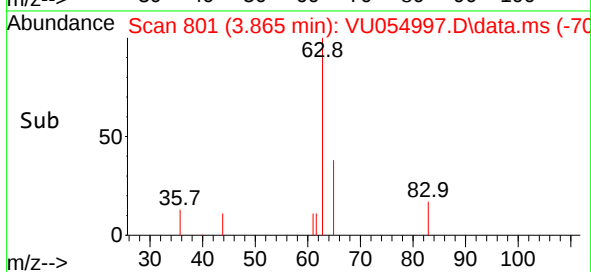
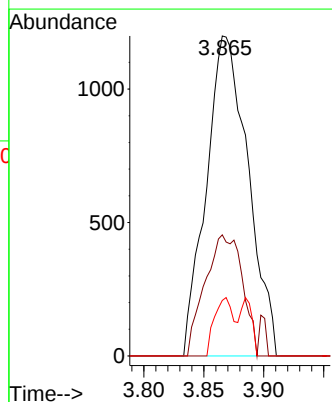
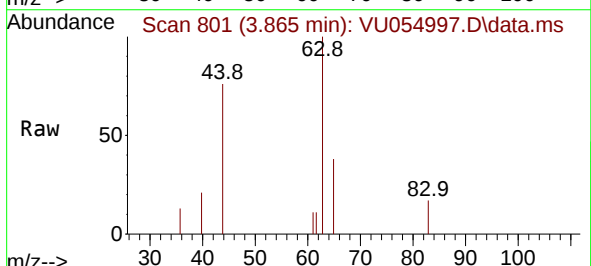
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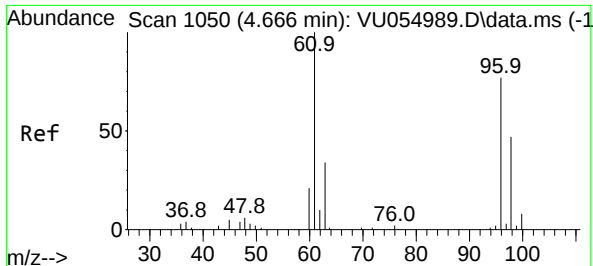
Tgt Ion:	96	Resp:	3016
Ion	Ratio	Lower	Upper
96	100		
61	128.9	108.8	202.0
98	54.4	45.8	85.2



#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

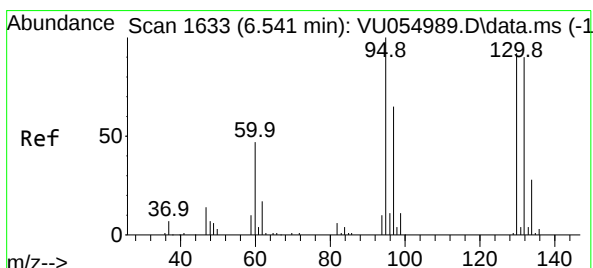
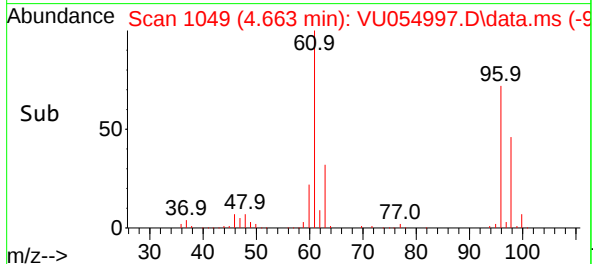
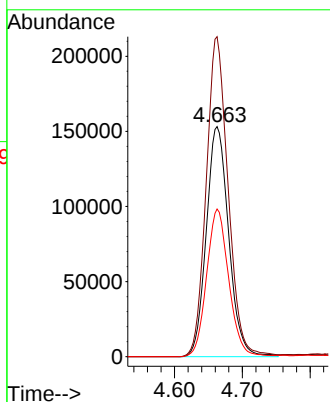
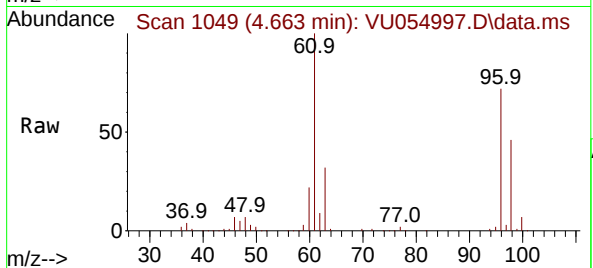




#22
 cis-1,2-Dichloroethene
 Concen: 35.952 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.004 min
 Lab File: VU054997.D
 Acq: 30 Aug 2023 14:27

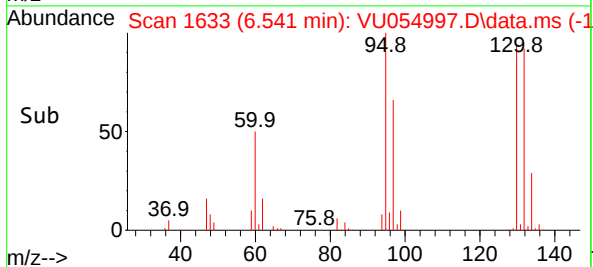
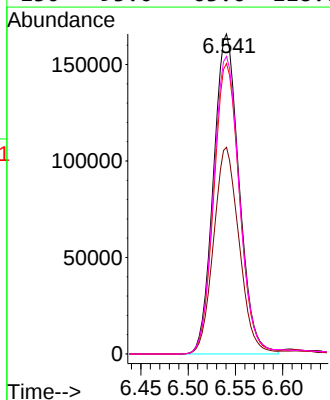
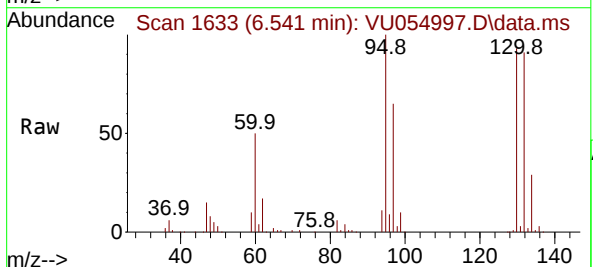
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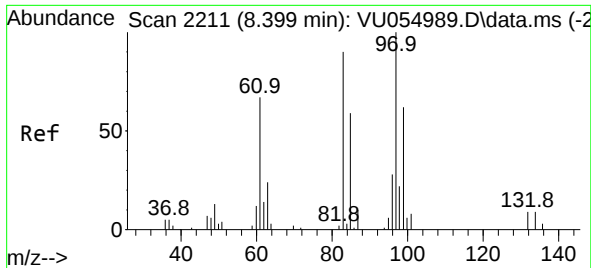
Tgt Ion: 96 Resp: 351577
 Ion Ratio Lower Upper
 96 100
 61 139.1 88.4 164.2
 98 64.2 44.0 81.6



#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

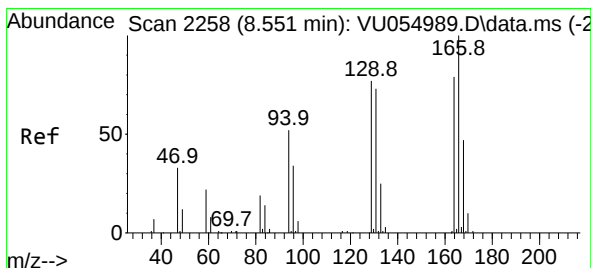
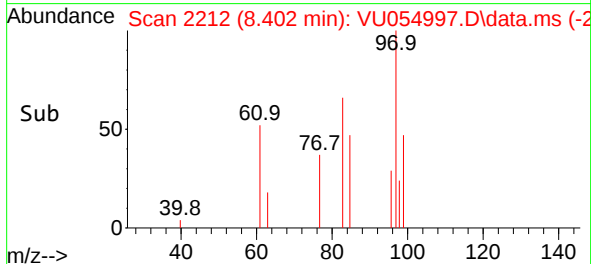
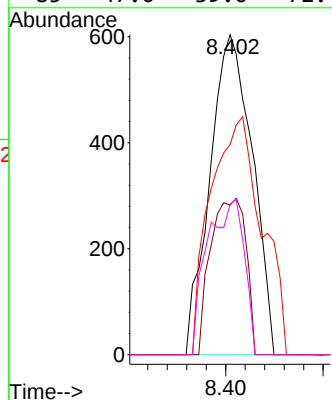
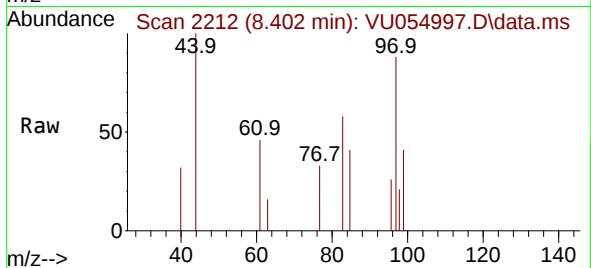




#45
1,1,2-Trichloroethane
Concen: 0.130 ug/L
RT: 8.402 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU054997.D
Acq: 30 Aug 2023 14:27

Instrument :
MSVOA_U
ClientSampleId :
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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# 2259
Delta R.T. 0.003 min
Lab File: VU054997.D
Acq: 30 Aug 2023 14:27

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

