Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082923\
Data File : VU054963.D
Acq On : 29 Aug 2023 17:48
Operator : MD/SY
Sample : O4173-15DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 29 22:31:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Aug 29 22:22:50 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0AL9DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/31/2023
Supervised By :Mahesh Dadoda 08/31/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	177275	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	169416	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	85358	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	26208	4.684	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 93.600%			
7) Chloroethane-d5	1.910	69	33634	4.653	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 93.000%			
11) 1,1-Dichloroethene-d2	2.563	65	15535	4.912	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 98.200%			
20) 2-Butanone-d5	4.624	46	179536	59.445	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 118.900%			
24) Chloroform-d	5.061	84	96977	4.672	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 93.400%			
26) 1,2-Dichloroethane-d4	5.701	65	56701	5.134	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 102.600%			
32) Benzene-d6	5.727	84	179009	4.701	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 94.000%			
36) 1,2-Dichloropropane-d6	6.692	67	66010	4.928	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 98.600%			
41) Toluene-d8	7.897	98	158824	4.355	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 87.000%			
43) trans-1,3-Dichloroprop...	8.180	79	18614	4.223	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 84.400%			
46) 2-Hexanone-d5	8.634	63	119363	57.054	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 114.100%			
56) 1,1,2,2-Tetrachloroeth...	10.756	84	57466	5.003	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 100.000%			
66) 1,2-Dichlorobenzene-d4	12.193	152	66849	4.905	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 98.000%			
Target Compounds						Qvalue
3) Chloromethane	1.518	50	2656	0.232	ug/L	87
12) 1,1-Dichloroethene	2.566	96	1293	0.162	ug/L #	1
16) Methylene chloride	3.042	84	25867	2.103	ug/L	99
18) trans-1,2-Dichloroethene	3.354	96	2625	0.300	ug/L	89
21) 2-Butanone	4.730	43	8550m	3.418	ug/L	
22) cis-1,2-Dichloroethene	4.663	96	56144	5.383	ug/L	95
34) Trichloroethene	6.541	95	24345	2.198	ug/L	96

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

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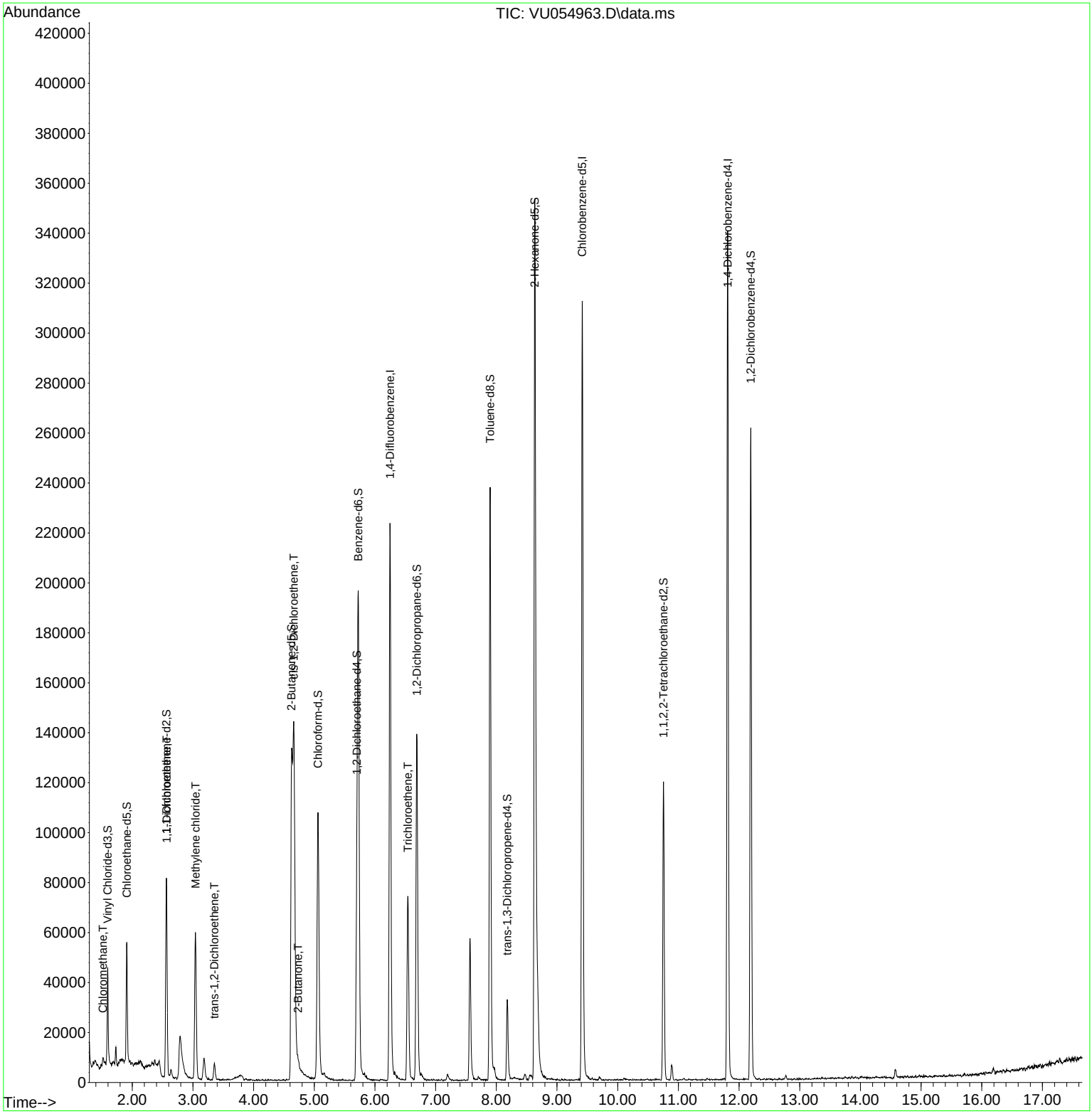

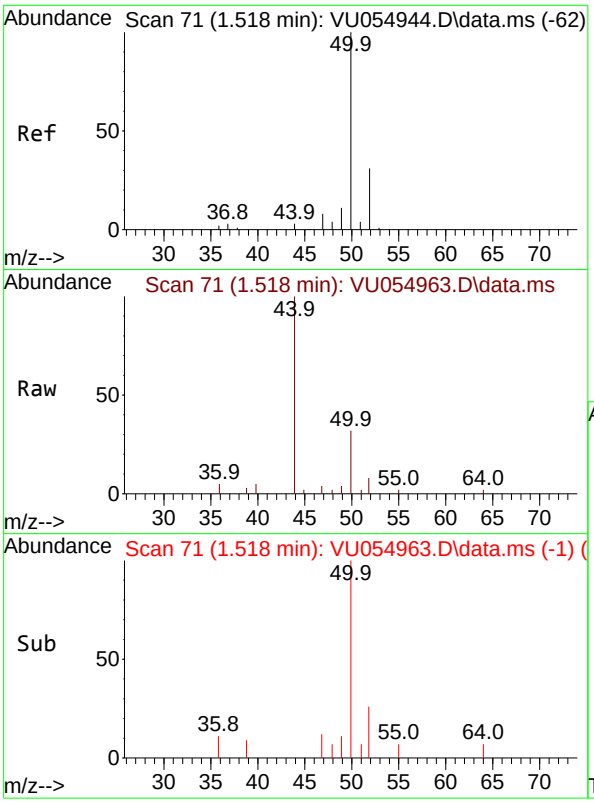

#3
Chloromethane
Concen: 0.232 ug/L
RT: 1.518 min Scan# 7
Delta R.T. -0.000 min
Lab File: VU054963.D
Acq: 29 Aug 2023 17:48

Tgt Ion: 50 Resp: 265

Ion	Ratio	Lower	Upper
50	100		
52	25.9	23.4	43.6

Instrument :
MSVOA_U
ClientSampleId :
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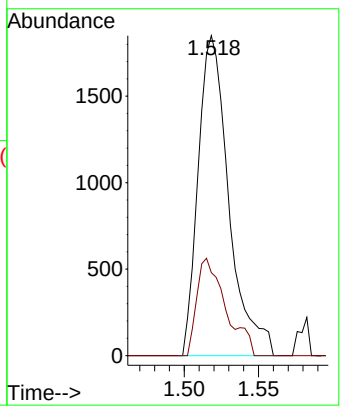
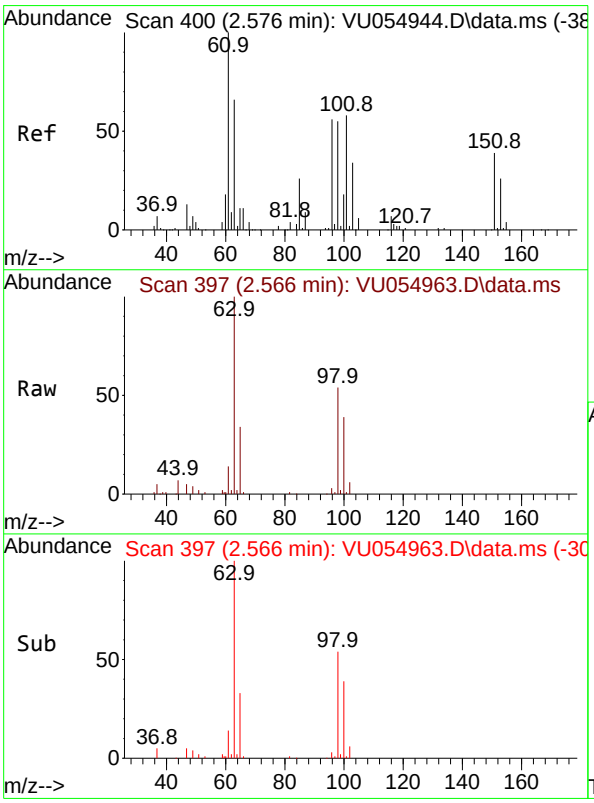
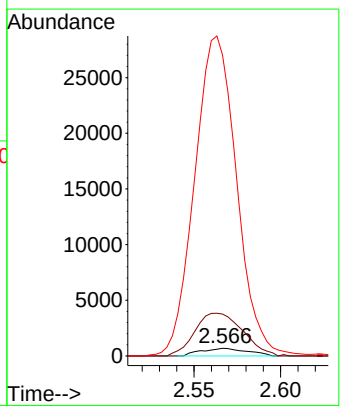


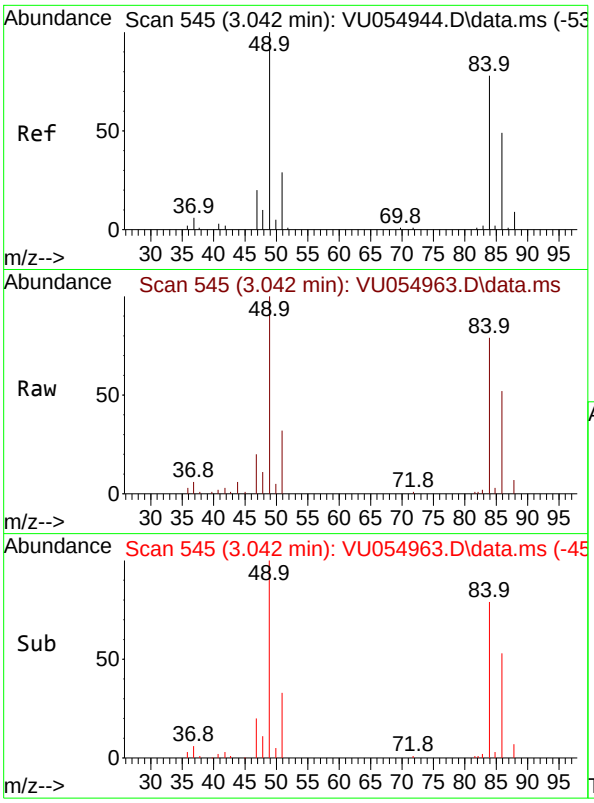


#12
1,1-Dichloroethene
Concen: 0.162 ug/L
RT: 2.566 min Scan# 397
Delta R.T. -0.010 min
Lab File: VU054963.D
Acq: 29 Aug 2023 17:48

Tgt Ion: 96 Resp: 1293

Ion	Ratio	Lower	Upper
96	100		
61	550.0	132.4	245.8#
63	3941.7	82.5	153.1#





#16
Methylene chloride
Concen: 2.103 ug/L
RT: 3.042 min Scan# 54
Delta R.T. -0.000 min
Lab File: VU054963.D
Acq: 29 Aug 2023 17:48

Tgt Ion: 84 Resp: 2586

Ion	Ratio	Lower	Upper
84	100		
86	66.3	45.1	83.7
49	126.9	89.5	166.3

Instrument :
MSVOA_U
ClientSampleId :
C0AL9DL

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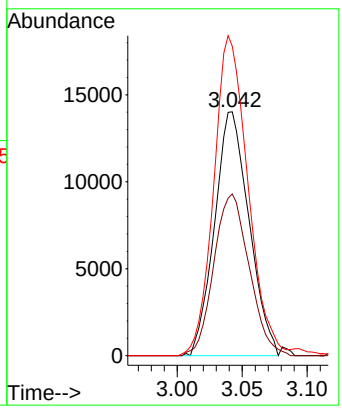
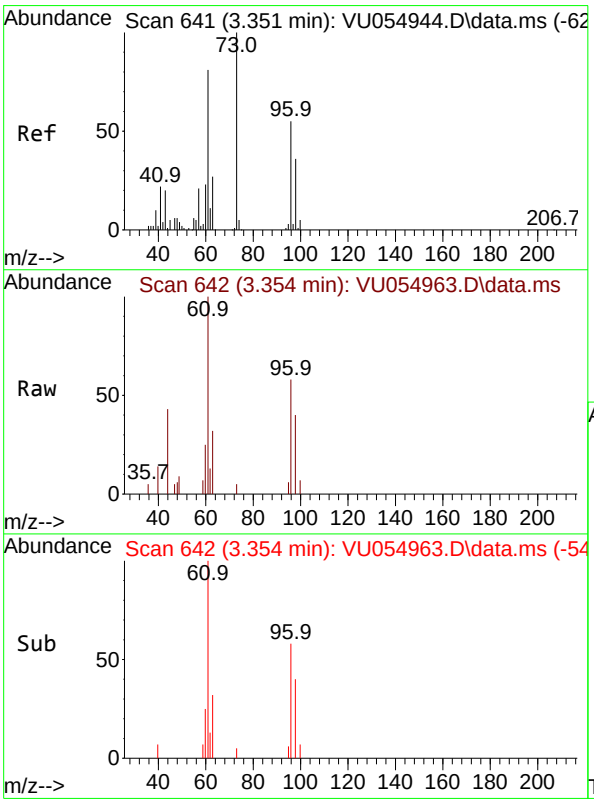
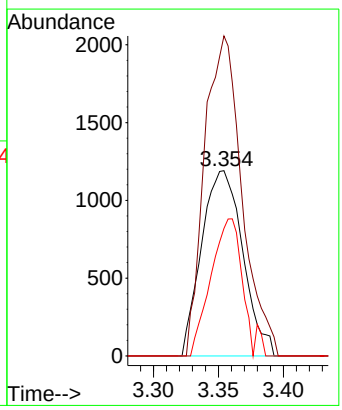


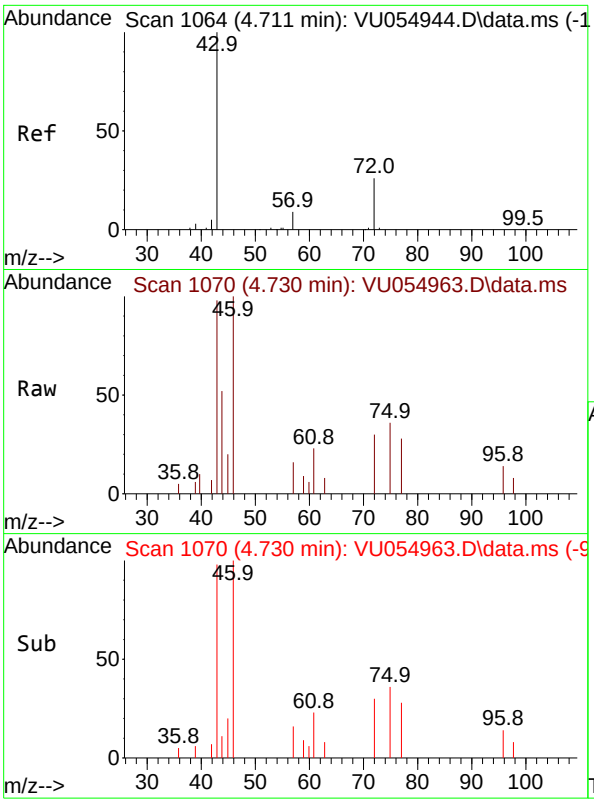


#18
trans-1,2-Dichloroethene
Concen: 0.300 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU054963.D
Acq: 29 Aug 2023 17:48

Tgt Ion: 96 Resp: 2625

Ion	Ratio	Lower	Upper
96	100		
61	172.7	108.8	202.0
98	68.8	45.8	85.2





#21
2-Butanone
Concen: 3.418 ug/L m
RT: 4.730 min Scan# 1(
Delta R.T. 0.019 min
Lab File: VU054963.D
Acq: 29 Aug 2023 17:48

Tgt Ion: 43 Resp: 855(

Ion	Ratio	Lower	Upper
43	100		
72	10.5	14.1	42.3#

Instrument :
MSVOA_U
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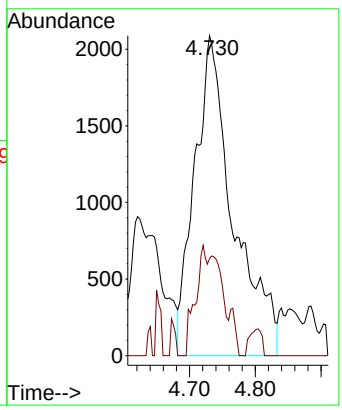
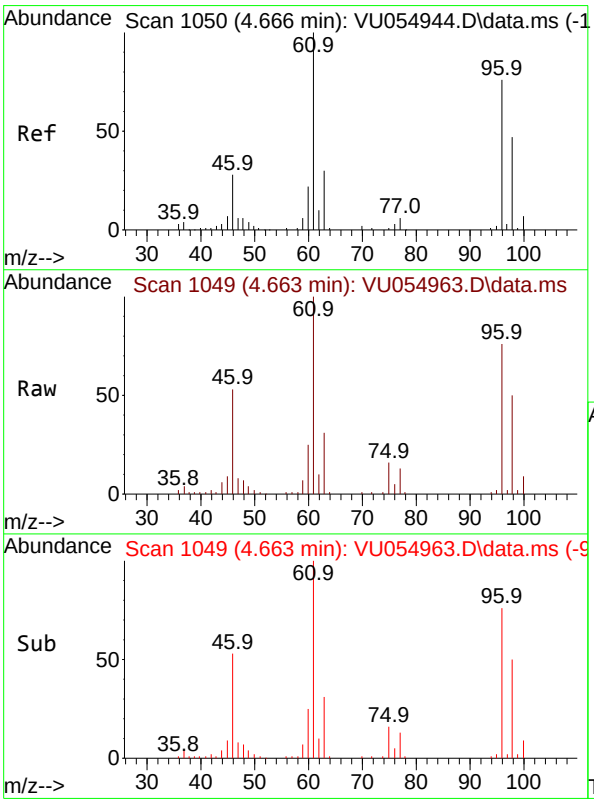
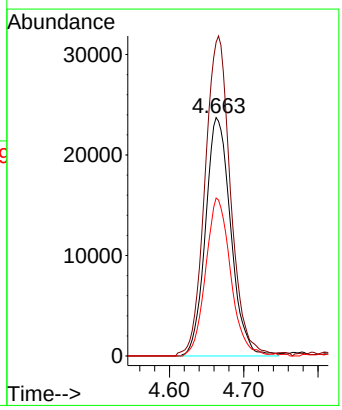


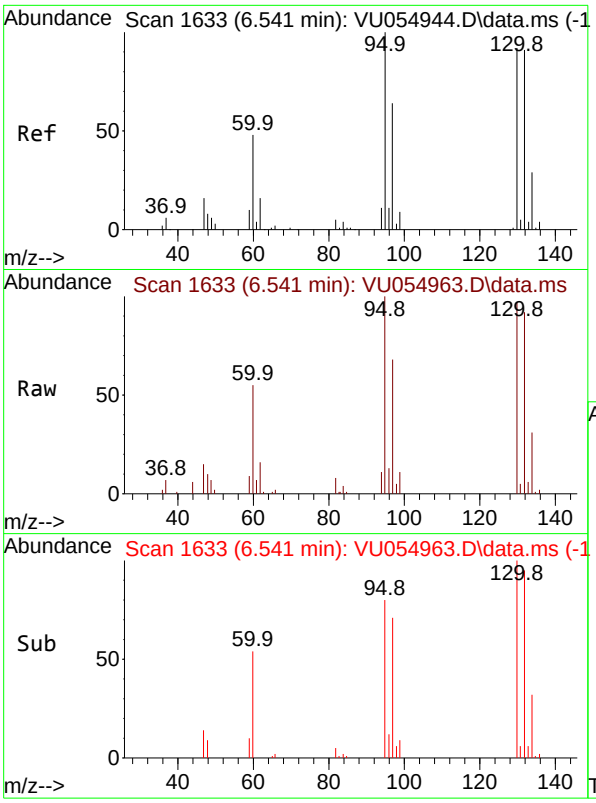


#22
cis-1,2-Dichloroethene
Concen: 5.383 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.003 min
Lab File: VU054963.D
Acq: 29 Aug 2023 17:48

Tgt Ion: 96 Resp: 56144

Ion	Ratio	Lower	Upper
96	100		
61	131.7	88.4	164.2
98	66.3	44.0	81.6

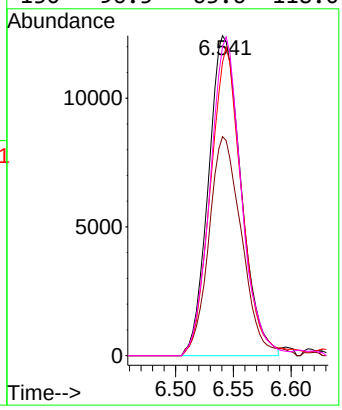




#34
Trichloroethene
Concen: 2.198 ug/L
RT: 6.541 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VU054963.D
Acq: 29 Aug 2023 17:48

Tgt Ion: 95 Resp: 2434

Ion	Ratio	Lower	Upper
95	100		
97	68.4	44.1	81.9
132	91.6	63.6	118.2
130	96.5	63.6	118.0



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