Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
Data File : VU055250.D
Acq On : 12 Sep 2023 16:03
Operator : MD/SY
Sample : 04350-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BH4J5

Quant Time: Sep 13 01:47:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 13 01:44:08 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	188983	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	206398	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	99555	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	30119	3.400	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 68.000%			
7) Chloroethane-d5	1.907	69	44625	4.353	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 87.000%			
11) 1,1-Dichloroethene-d2	2.563	65	16472	3.264	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 65.200%			
20) 2-Butanone-d5	4.624	46	143983	56.018	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 112.040%			
24) Chloroform-d	5.062	84	104082	4.428	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 88.600%			
26) 1,2-Dichloroethane-d4	5.701	65	57249	4.869	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 97.400%			
32) Benzene-d6	5.727	84	197360	3.874	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 77.400%			
36) 1,2-Dichloropropane-d6	6.688	67	70772	4.367	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 87.400%			
41) Toluene-d8	7.897	98	168039	3.580	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 71.600%			
43) trans-1,3-Dichloroprop...	8.180	79	16556	3.710	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 74.200%			
46) 2-Hexanone-d5	8.634	63	92346	50.973	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 101.940%			
56) 1,1,2,2-Tetrachloroeth...	10.753	84	52411	4.599	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 92.000%			
66) 1,2-Dichlorobenzene-d4	12.193	152	63955	4.401	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 88.000%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	12250	1.402	ug/L #	42
17) Methyl tert-butyl Ether	3.361	73	4533	0.198	ug/L #	85
19) 1,1-Dichloroethane	3.869	63	5794	0.302	ug/L #	82
22) cis-1,2-Dichloroethene	4.663	96	116856	10.769	ug/L	96
25) Chloroform	5.084	83	12968	0.650	ug/L	93
31) Carbon tetrachloride	5.528	117	11078	0.746	ug/L	90
34) Trichloroethene	6.541	95	121263	9.933	ug/L	96
45) 1,1,2-Trichloroethane	8.402	97	1453	0.180	ug/L	86
47) Tetrachloroethene	8.553	164	29136	3.453	ug/L	95

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

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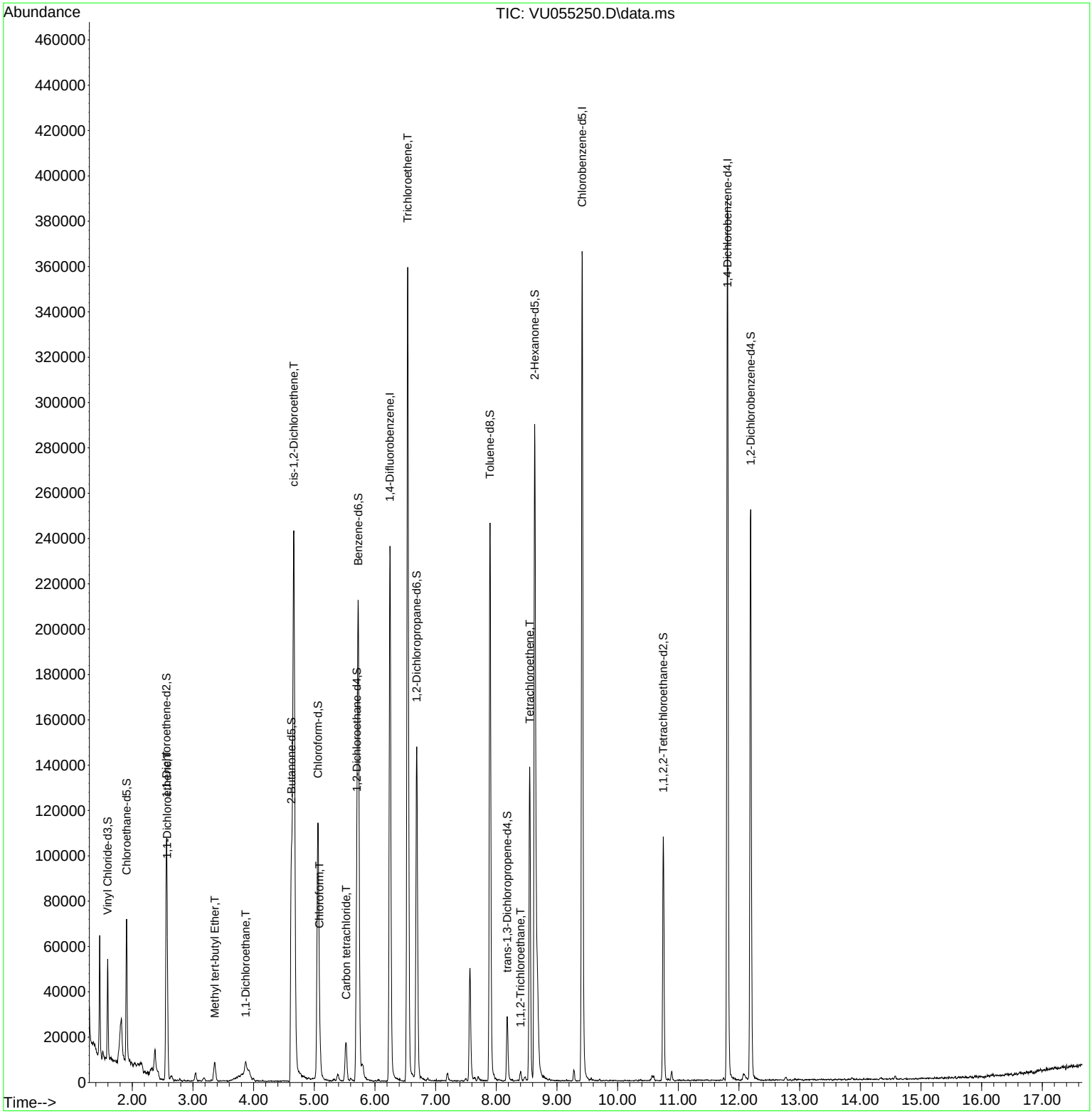
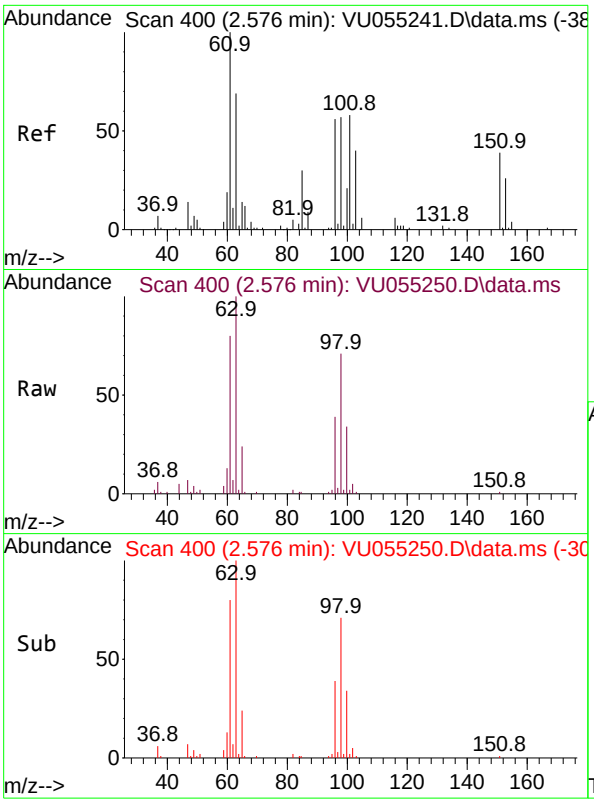
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 13 01:44:08 2023
Response via : Initial Calibration



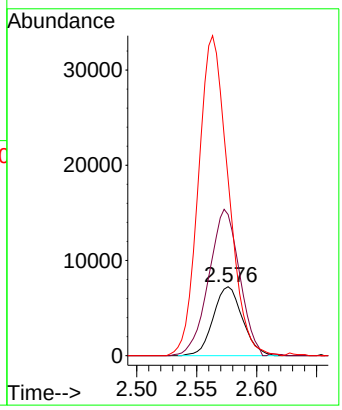


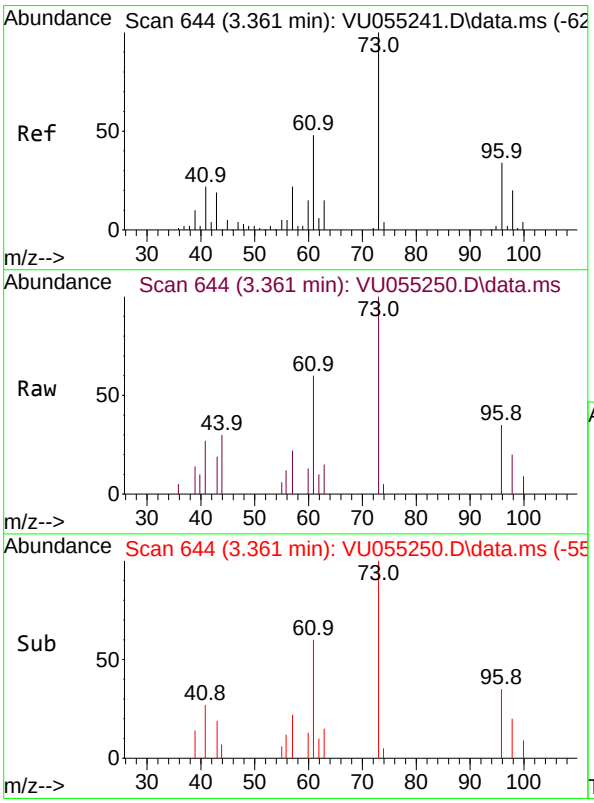
#12
1,1-Dichloroethene
Concen: 1.402 ug/L
RT: 2.576 min Scan# 4(
Delta R.T. -0.000 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

Instrument :
MSVOA_U
ClientSampleId :
BH4J5

Tgt Ion: 96 Resp: 12250

Ion	Ratio	Lower	Upper
96	100		
61	204.7	120.8	224.4
63	256.2	94.5	175.5#

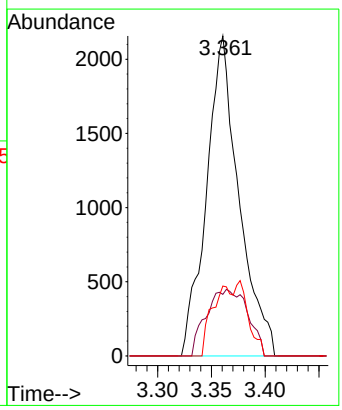


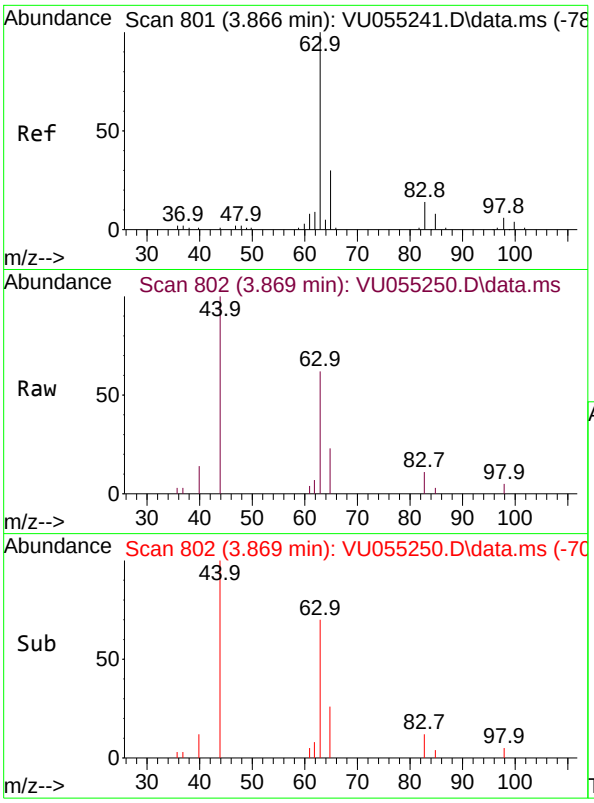


#17
Methyl tert-butyl Ether
Concen: 0.198 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

Tgt Ion: 73 Resp: 4533

Ion	Ratio	Lower	Upper
73	100		
43	26.6	16.2	24.2#
57	14.3	17.4	26.2#



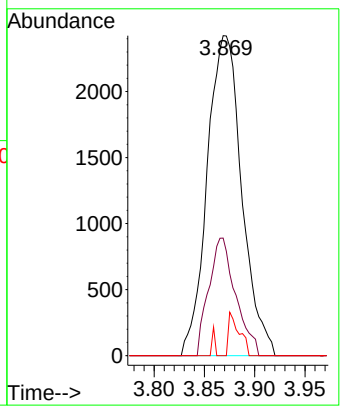


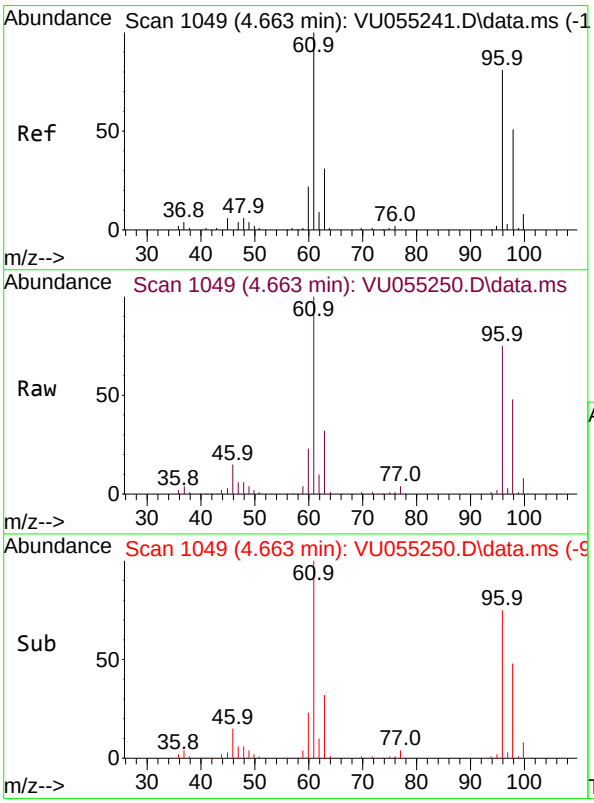
#19
1,1-Dichloroethane
Concen: 0.302 ug/L
RT: 3.869 min Scan# 8(
Delta R.T. 0.003 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

Instrument :
MSVOA_U
ClientSampleId :
BH4J5

Tgt Ion: 63 Resp: 5794

Ion	Ratio	Lower	Upper
63	100		
65	36.7	22.2	41.2
83	0.0	10.6	19.8#

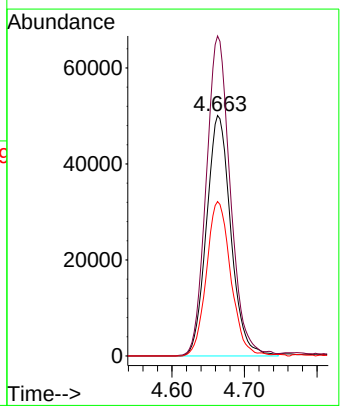


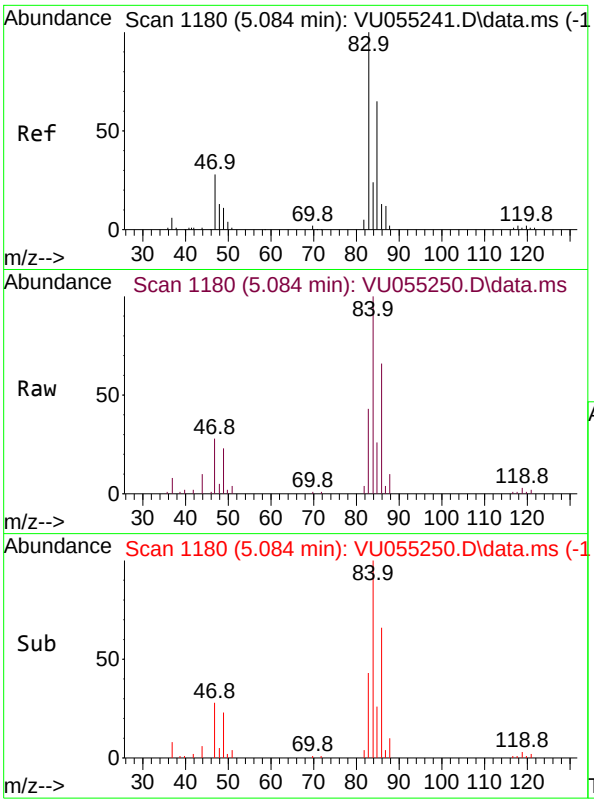


#22
cis-1,2-Dichloroethene
Concen: 10.769 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

Tgt Ion: 96 Resp: 116856

Ion	Ratio	Lower	Upper
96	100		
61	133.1	97.2	180.4
98	64.2	46.1	85.7



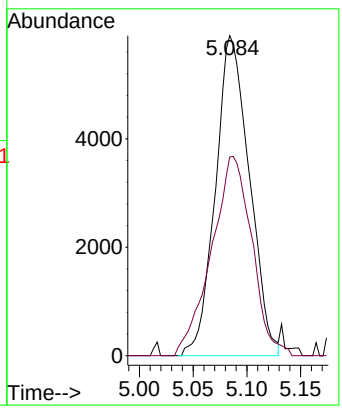


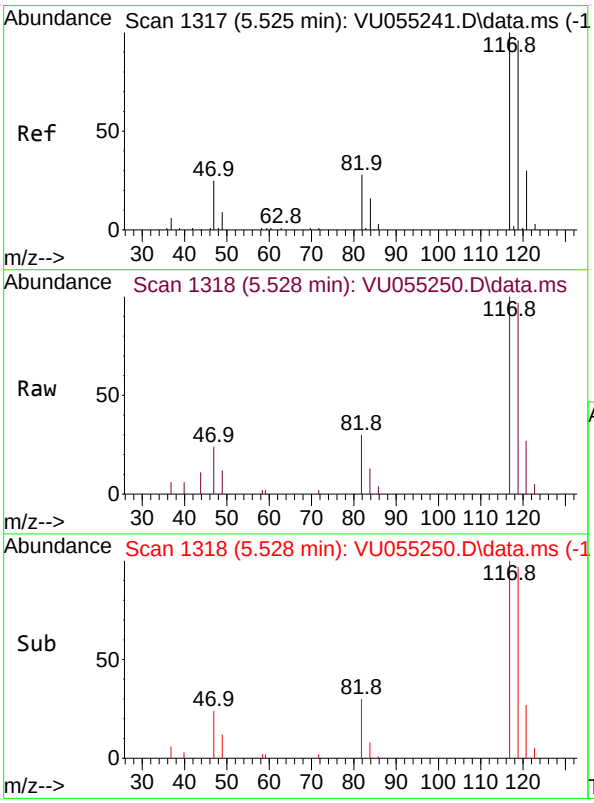
#25
Chloroform
Concen: 0.650 ug/L
RT: 5.084 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

Instrument :
MSVOA_U
ClientSampleId :
BH4J5

Tgt Ion: 83 Resp: 12968

Ion	Ratio	Lower	Upper
83	100		
85	62.1	47.2	87.6

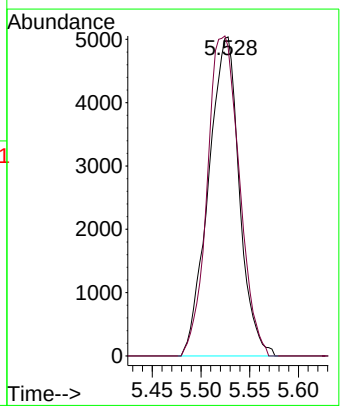


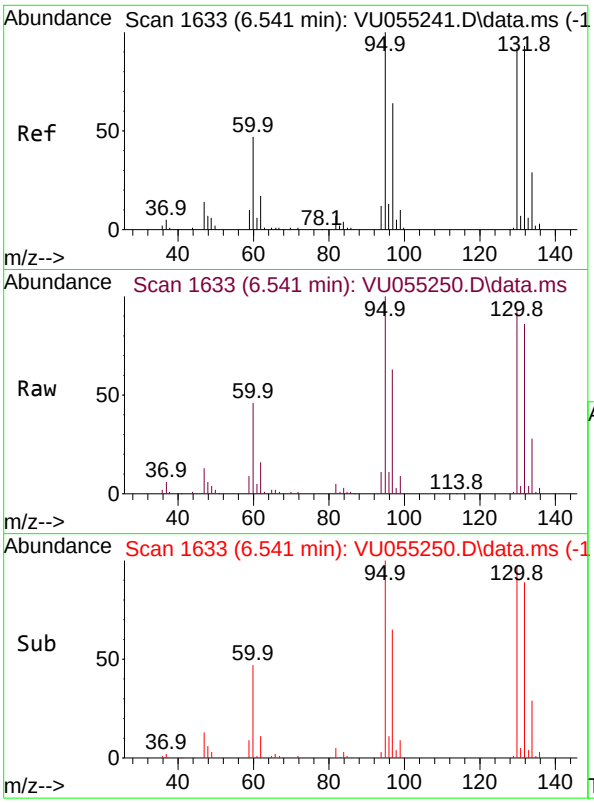


#31
Carbon tetrachloride
Concen: 0.746 ug/L
RT: 5.528 min Scan# 1318
Delta R.T. 0.003 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

Tgt Ion:117 Resp: 11078

Ion	Ratio	Lower	Upper
117	100		
119	104.3	75.4	113.0



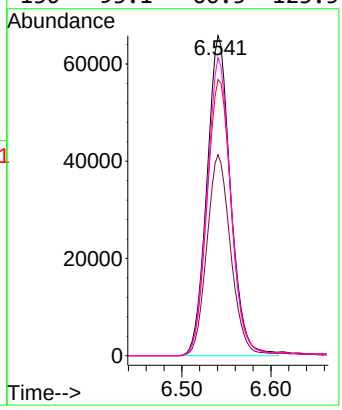


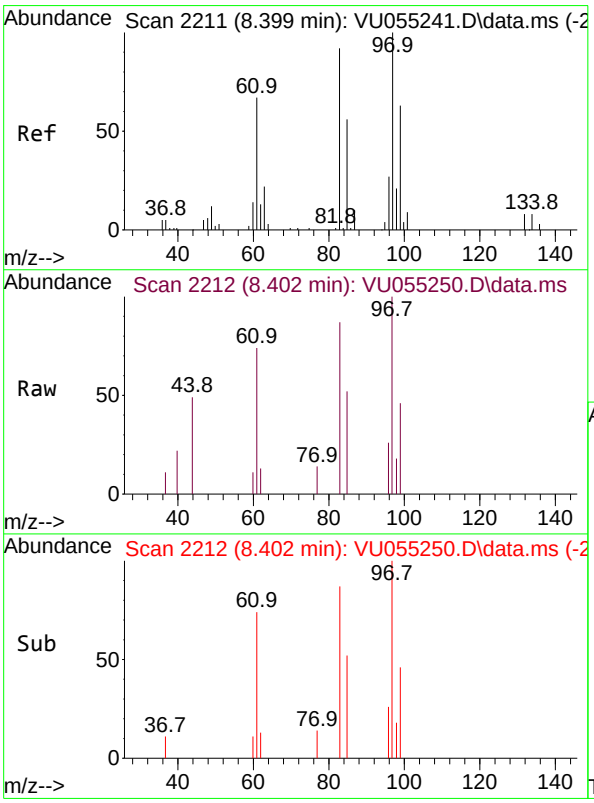
#34
Trichloroethene
Concen: 9.933 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

Instrument :
MSVOA_U
ClientSampleId :
BH4J5

Tgt Ion: 95 Resp: 121263

Ion	Ratio	Lower	Upper
95	100		
97	62.8	44.7	83.1
132	86.3	66.6	123.6
130	93.1	66.5	123.5

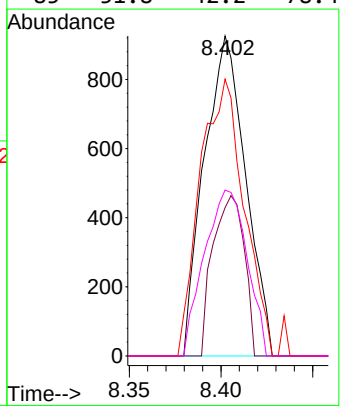


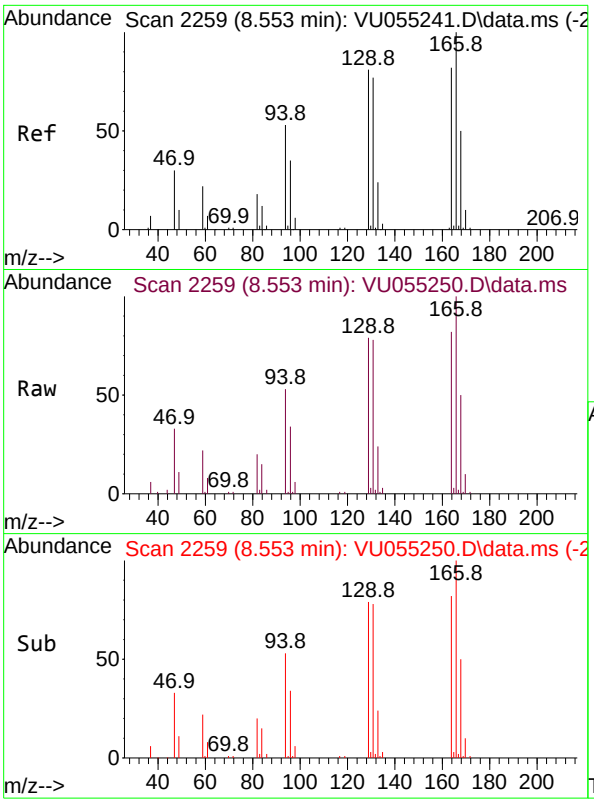


#45
1,1,2-Trichloroethane
Concen: 0.180 ug/L
RT: 8.402 min Scan# 2212
Delta R.T. 0.003 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

Tgt Ion: 97 Resp: 1453

Ion	Ratio	Lower	Upper
97	100		
99	46.3	44.9	83.5
83	86.5	66.9	124.3
85	51.8	42.2	78.4





#47
Tetrachloroethene
Concen: 3.453 ug/L
RT: 8.553 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

Instrument :
MSVOA_U
ClientSampleId :
BH4J5

Tgt Ion:164 Resp: 29136

Ion	Ratio	Lower	Upper
164	100		
129	96.7	69.2	128.6
131	95.3	68.8	127.8
166	122.5	92.3	171.5