Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042523\
Data File : VU053877.D
Acq On : 25 Apr 2023 12:27
Operator : JC/MD
Sample : 02392-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHE35

Quant Time: Apr 26 05:10:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Apr 26 05:09:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	131582	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	125183	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	58899	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	37162	4.637	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 92.800%			
7) Chloroethane-d5	1.916	69	33401	4.966	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 99.400%			
11) 1,1-Dichloroethene-d2	2.568	65	16091	4.878	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 97.600%			
20) 2-Butanone-d5	4.633	46	77792	52.994	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 105.980%			
24) Chloroform-d	5.060	84	76588	5.071	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 101.400%			
26) 1,2-Dichloroethane-d4	5.700	65	37421	5.361	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 107.200%			
32) Benzene-d6	5.723	84	153356	5.200	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 104.000%			
36) 1,2-Dichloropropane-d6	6.687	67	47693	5.346	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 107.000%			
41) Toluene-d8	7.896	98	139398	5.065	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 101.200%			
43) trans-1,3-Dichloroprop...	8.176	79	17104	4.875	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 97.400%			
46) 2-Hexanone-d5	8.632	63	66552	53.596	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 107.200%			
56) 1,1,2,2-Tetrachloroeth...	10.754	84	35960	4.988	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 99.800%			
66) 1,2-Dichlorobenzene-d4	12.188	152	49691	5.260	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 105.200%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	3348	0.357	ug/L #	81
12) 1,1-Dichloroethene	2.578	96	279876	33.816	ug/L #	81
17) Methyl tert-butyl Ether	3.366	73	5290	0.295	ug/L #	96
19) 1,1-Dichloroethane	3.867	63	283281	18.716	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	48287	5.118	ug/L	97
25) Chloroform	5.086	83	17001	1.034	ug/L	100
27) 1,2-Dichloroethane	5.800	62	3054	0.324	ug/L #	71
29) 1,1,1-Trichloroethane	5.314	97	33492	2.380	ug/L	98
31) Carbon tetrachloride	5.520	117	2026	0.166	ug/L	92
34) Trichloroethene	6.539	95	892491	92.819	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	749	0.114	ug/L	89
47) Tetrachloroethene	8.549	164	163798	21.493	ug/L	99

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

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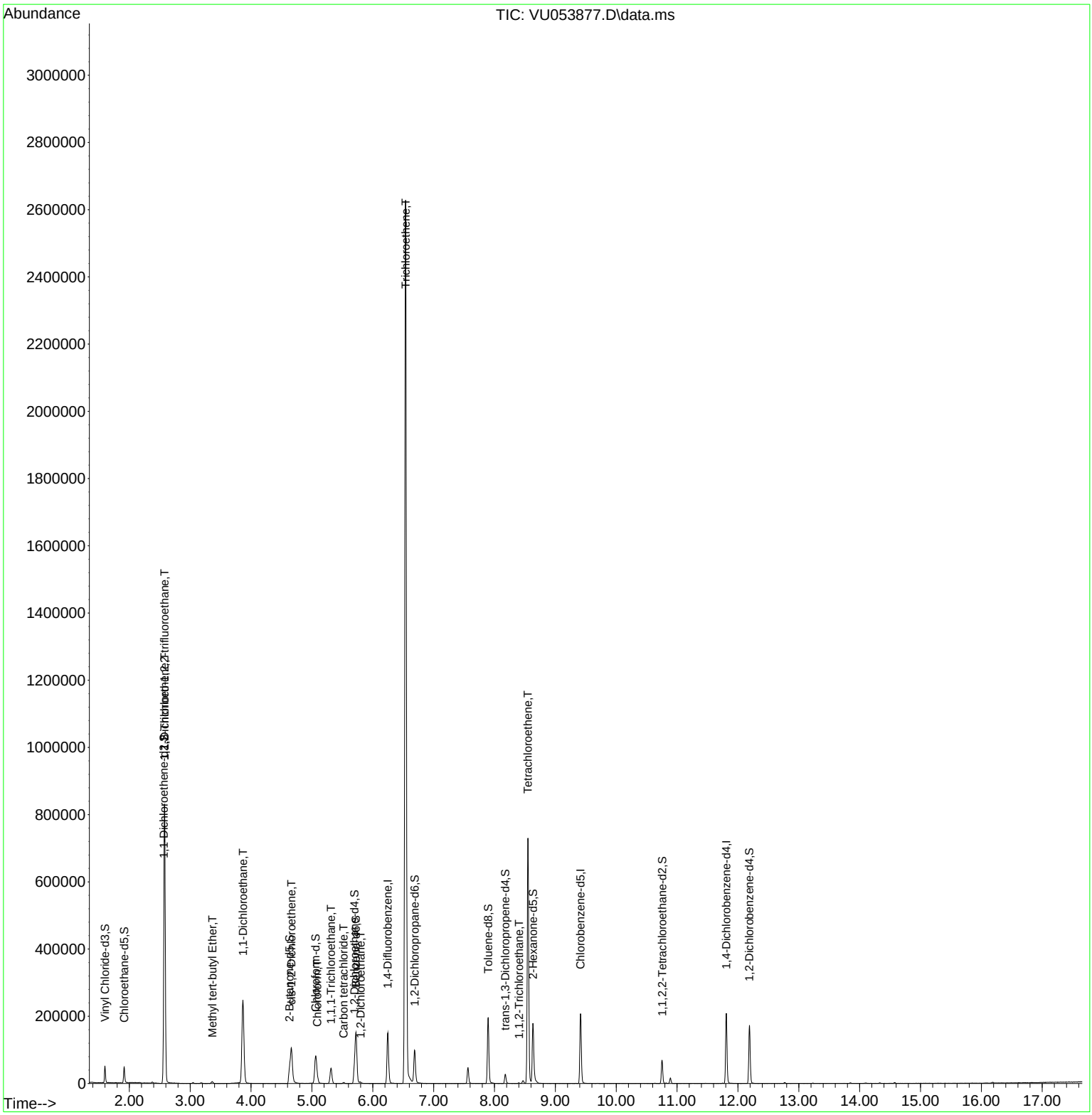
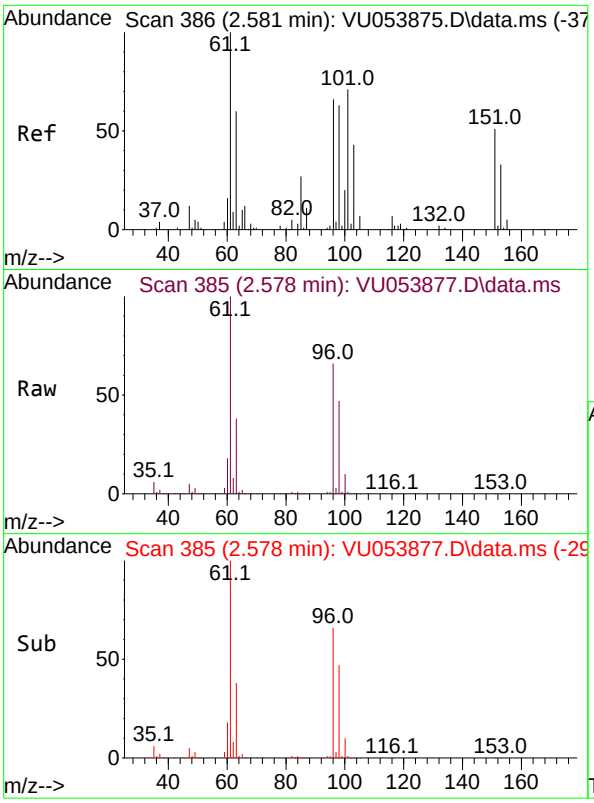
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHE35

Quant Time: Apr 26 05:10:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Apr 26 05:09:52 2023
Response via : Initial Calibration



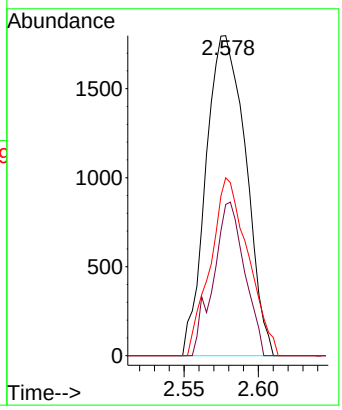


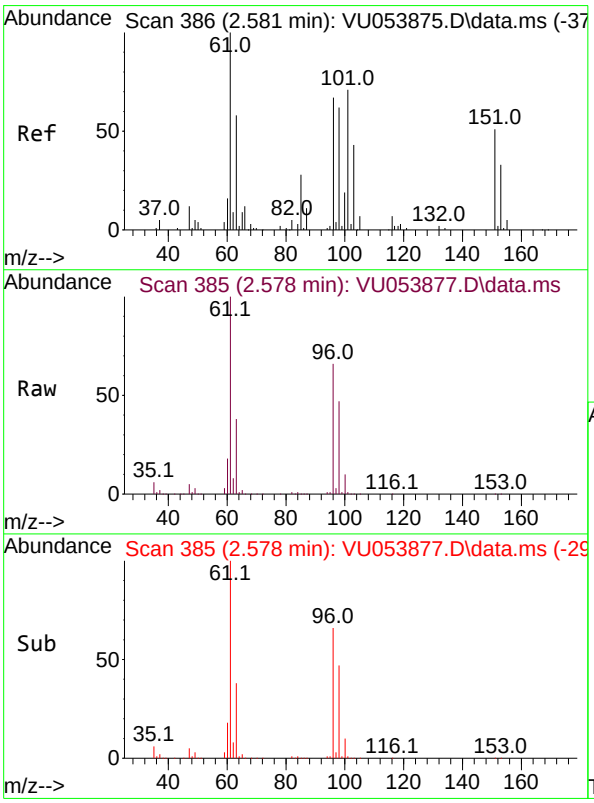
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.357 ug/L
RT: 2.578 min Scan# 3
Delta R.T. -0.003 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Instrument :
MSVOA_U
ClientSampleId :
BHE35

Tgt Ion:101 Resp: 3348

Ion	Ratio	Lower	Upper
101	100		
85	37.8	34.7	52.1
151	52.8	59.1	88.7#

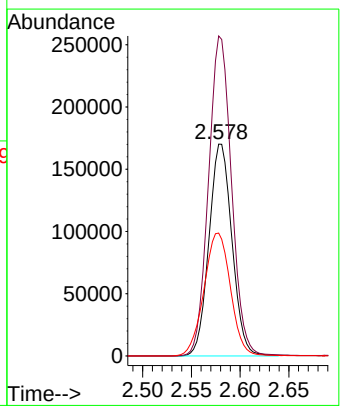


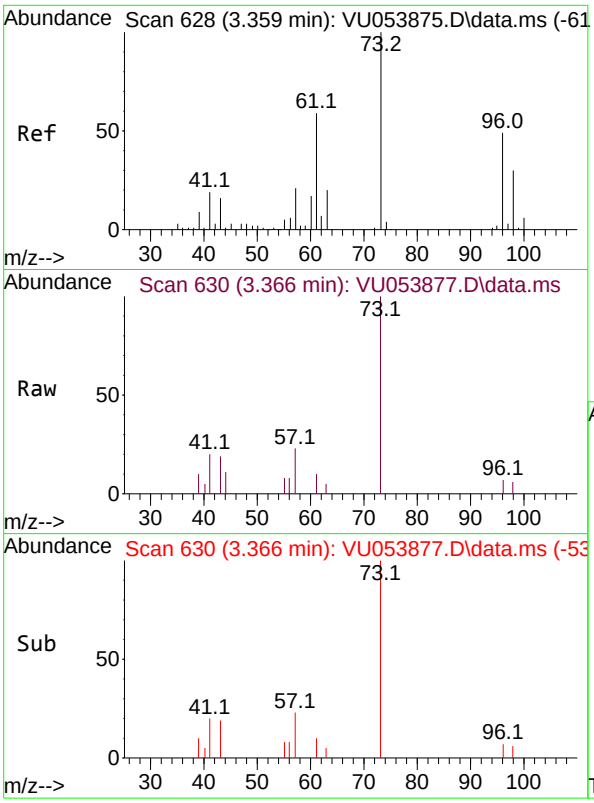


#12
1,1-Dichloroethene
Concen: 33.816 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Tgt Ion: 96 Resp: 279876

Ion	Ratio	Lower	Upper
96	100		
61	151.1	111.5	207.1
63	58.0	68.7	127.7#



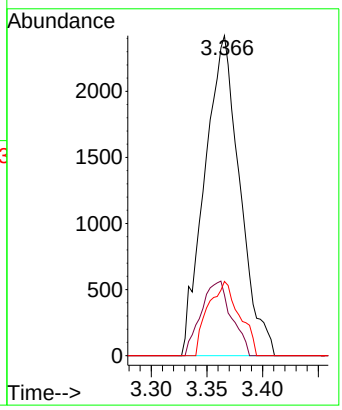


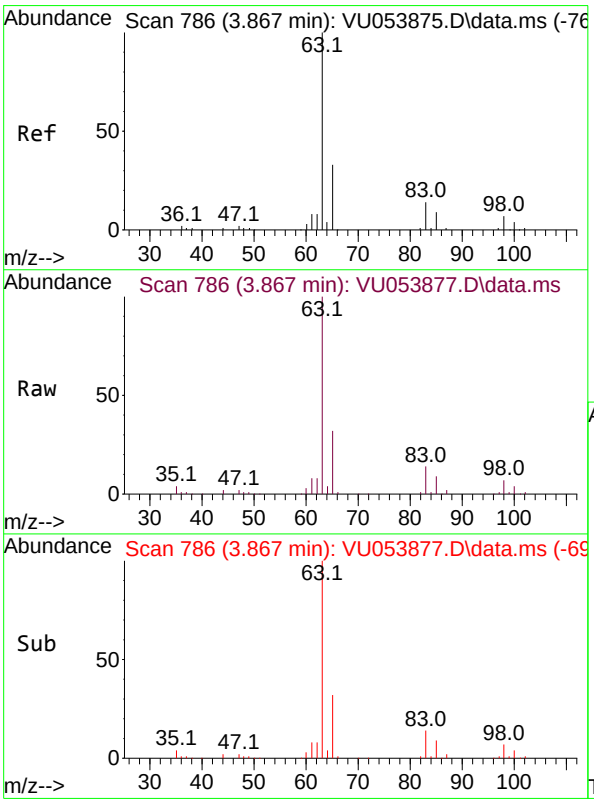
#17
Methyl tert-butyl Ether
Concen: 0.295 ug/L
RT: 3.366 min Scan# 6
Delta R.T. 0.006 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Instrument :
MSVOA_U
ClientSampleId :
BHE35

Tgt Ion: 73 Resp: 5290

Ion	Ratio	Lower	Upper
73	100		
43	20.2	13.4	20.2#
57	20.7	17.2	25.8

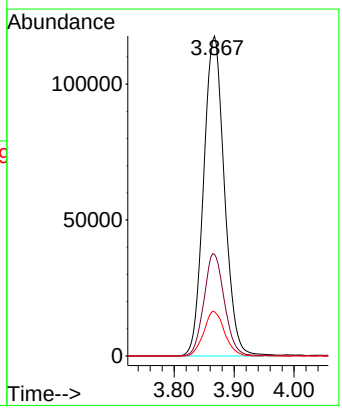


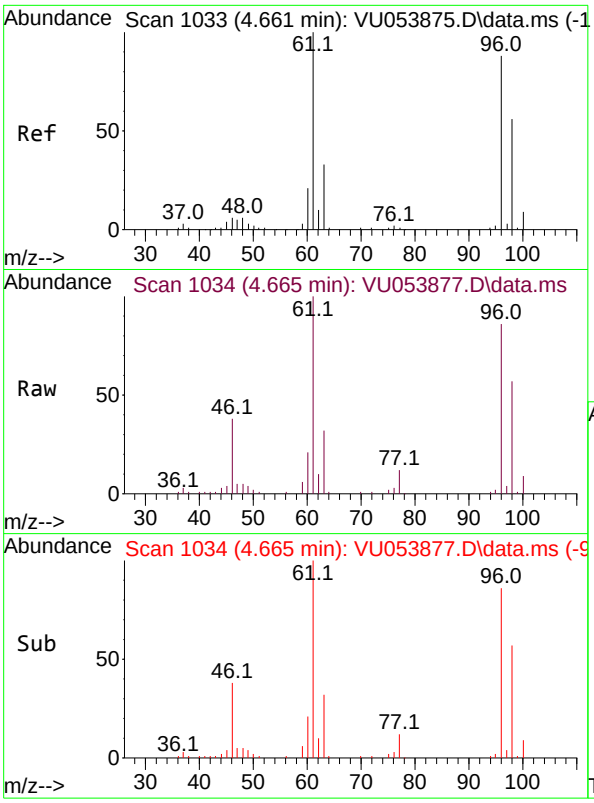


#19
1,1-Dichloroethane
Concen: 18.716 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Tgt Ion: 63 Resp: 283281

Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.0	40.8
83	13.8	10.3	19.1



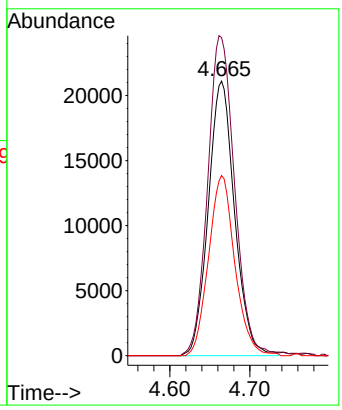


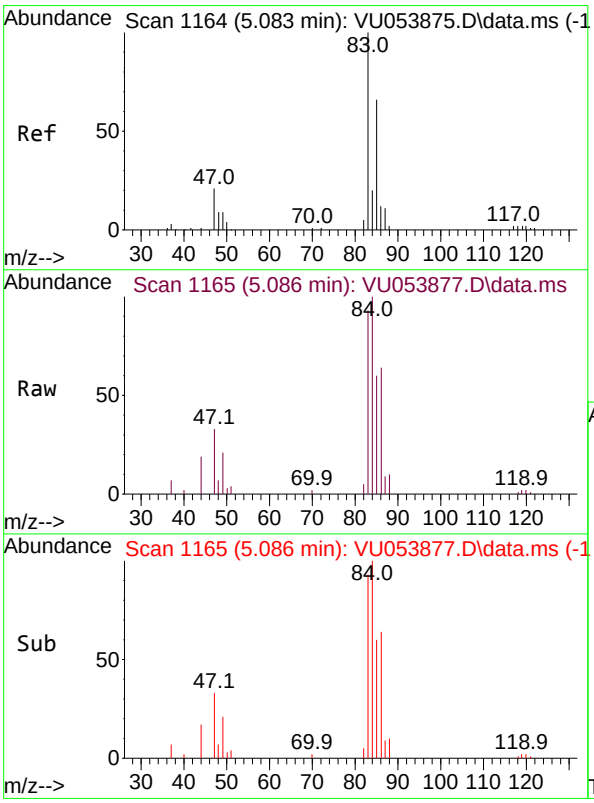
#22
cis-1,2-Dichloroethene
Concen: 5.118 ug/L
RT: 4.665 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Instrument :
MSVOA_U
ClientSampleId :
BHE35

Tgt Ion: 96 Resp: 48287

Ion	Ratio	Lower	Upper
96	100		
61	115.9	84.3	156.5
98	65.6	46.4	86.2

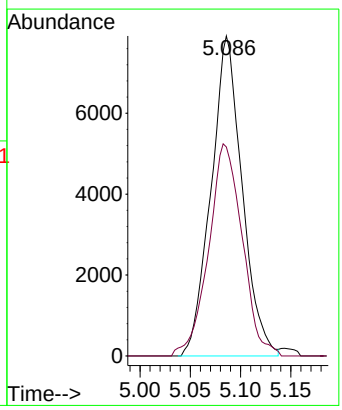


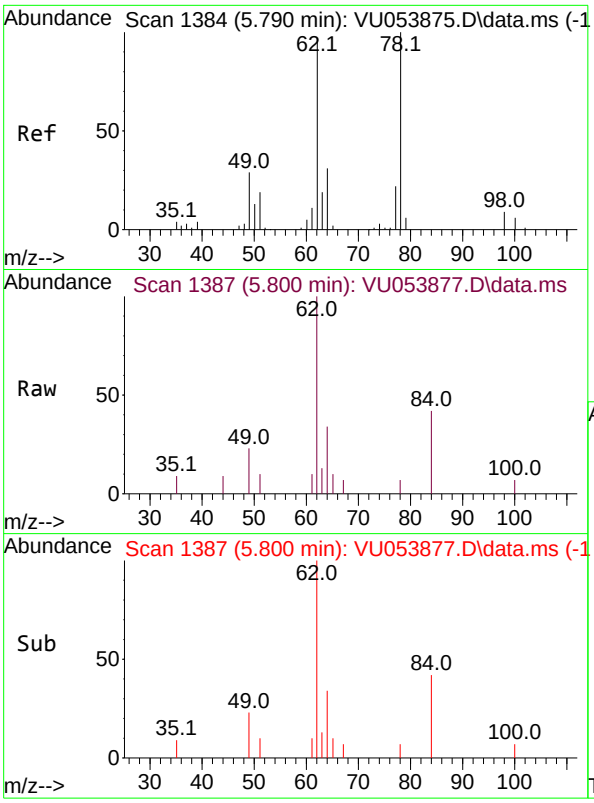


#25
Chloroform
Concen: 1.034 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Tgt Ion: 83 Resp: 17001

Ion	Ratio	Lower	Upper
83	100		
85	65.3	45.6	84.8



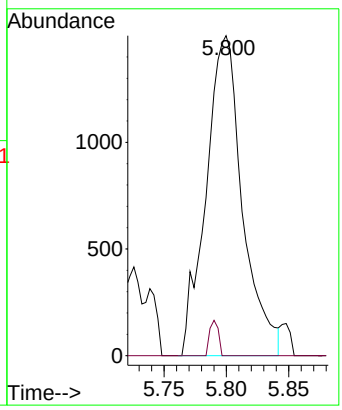


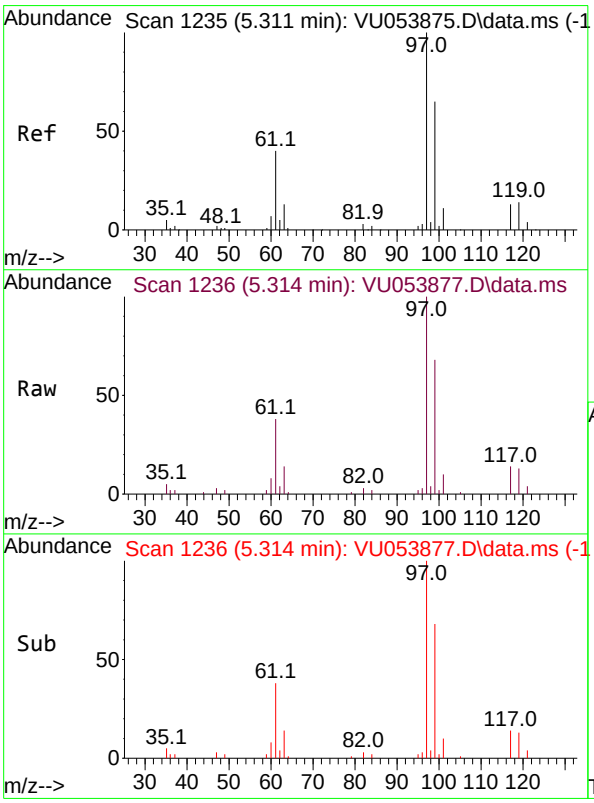
#27
1,2-Dichloroethane
Concen: 0.324 ug/L
RT: 5.800 min Scan# 1
Delta R.T. 0.010 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Instrument :
MSVOA_U
ClientSampleId :
BHE35

Tgt Ion: 62 Resp: 3054

Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.7	13.1#

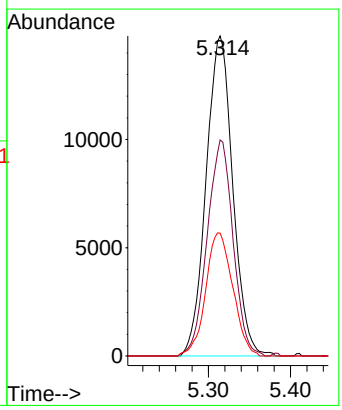


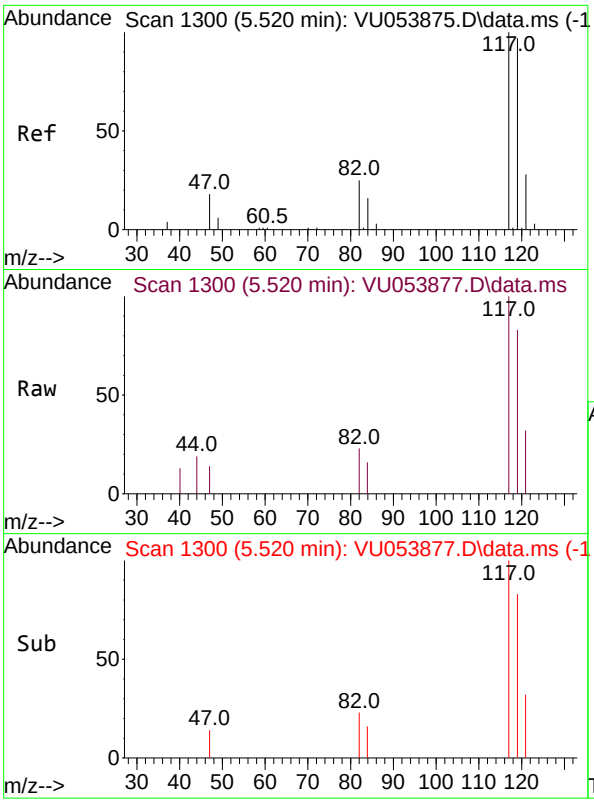


#29
1,1,1-Trichloroethane
Concen: 2.380 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Tgt Ion: 97 Resp: 33492

Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.9	79.3
61	39.0	33.8	50.8



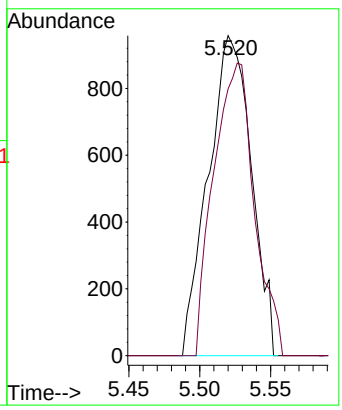


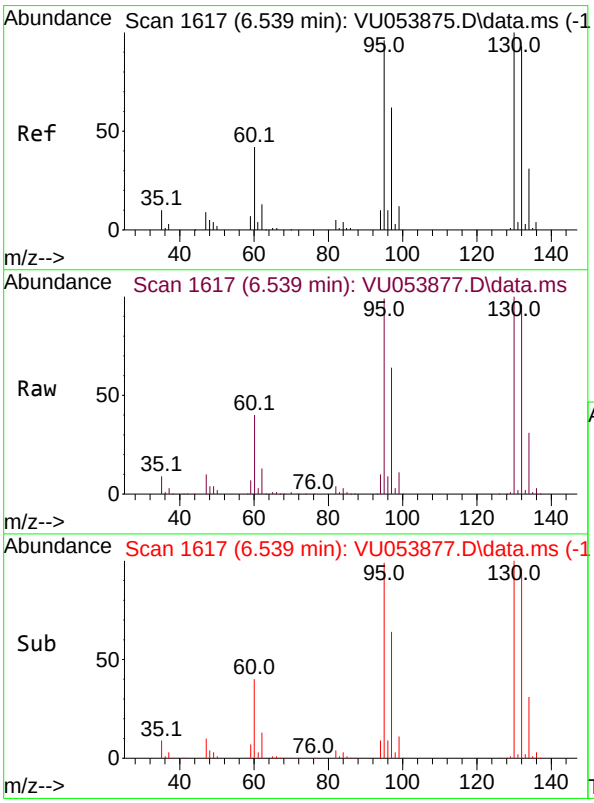
#31
Carbon tetrachloride
Concen: 0.166 ug/L
RT: 5.520 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Instrument :
MSVOA_U
ClientSampleId :
BHE35

Tgt Ion:117 Resp: 2026

Ion	Ratio	Lower	Upper
117	100		
119	86.4	75.0	112.6

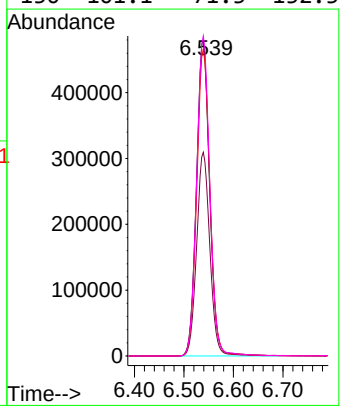


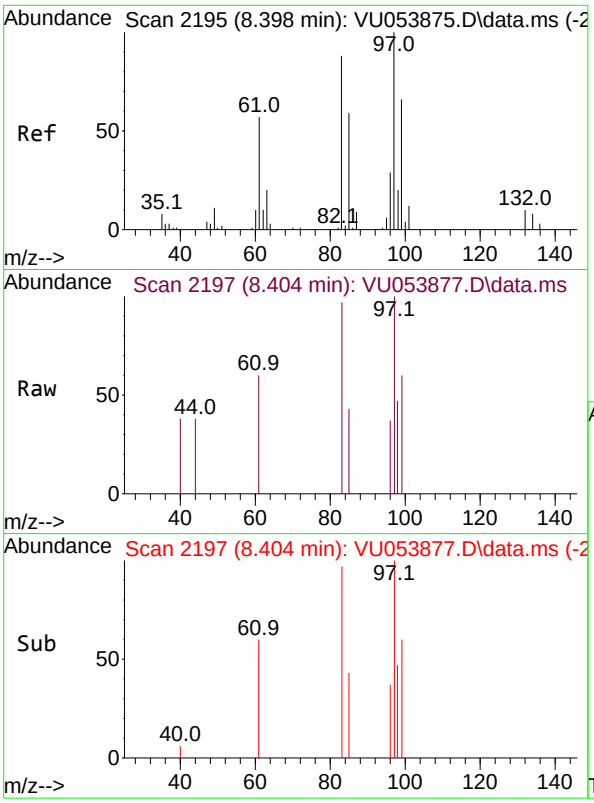


#34
Trichloroethene
Concen: 92.819 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Tgt Ion: 95 Resp: 892491

Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.1	83.9
132	97.0	69.9	129.9
130	101.1	71.3	132.3



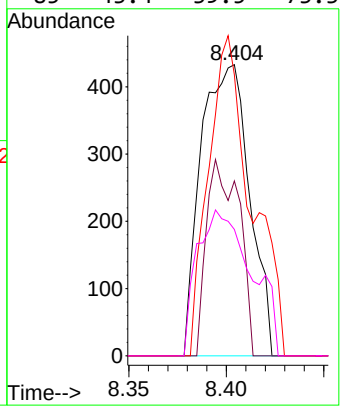


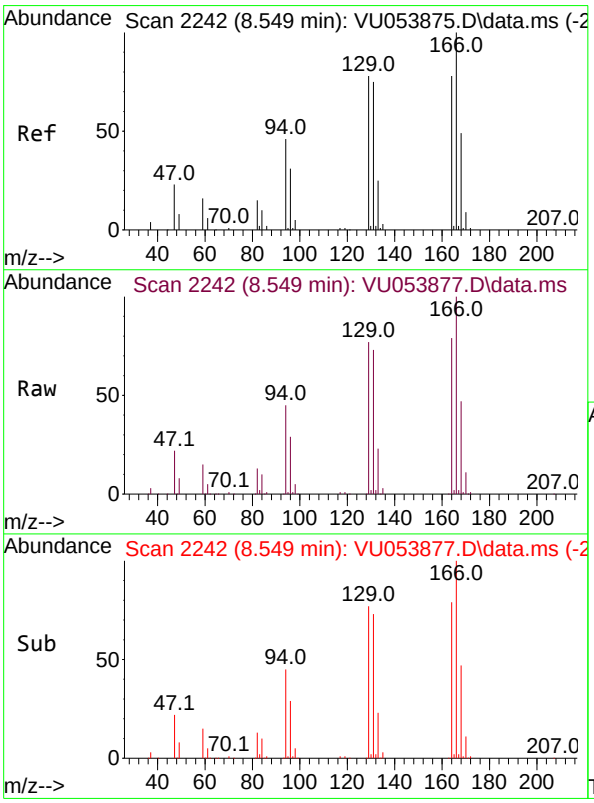
#45
1,1,2-Trichloroethane
Concen: 0.114 ug/L
RT: 8.404 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Instrument :
MSVOA_U
ClientSampleId :
BHE35

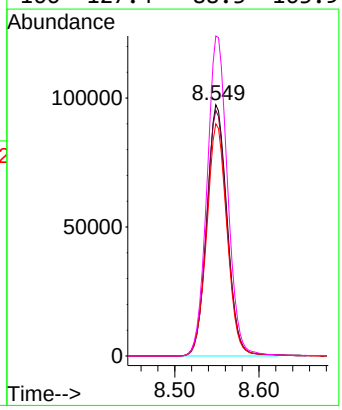
Tgt Ion: 97 Resp: 749

Ion	Ratio	Lower	Upper
97	100		
99	60.0	44.7	83.1
83	96.5	59.8	111.1
85	43.4	39.5	73.3





#47
Tetrachloroethene
Concen: 21.493 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Tgt Ion:164 Resp: 163798

Ion	Ratio	Lower	Upper
164	100		
129	97.7	68.3	126.8
131	92.4	64.4	119.6
166	127.4	88.3	163.9