Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100124\
Data File : VU061047.D
Acq On : 01 Oct 2024 16:37
Operator : MD/SY
Sample : P4227-02 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PMW-2(20240925)

Quant Time: Oct 02 02:36:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 02 02:09:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	184773	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	173275	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	80244	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	58376	4.419	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 88.400%			
7) Chloroethane-d5	1.911	69	45291	4.580	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 91.600%			
11) 1,1-Dichloroethene-d2	2.563	65	25998	4.461	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 89.200%			
20) 2-Butanone-d5	4.631	46	158043	49.945	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 99.880%			
24) Chloroform-d	5.055	84	108999	4.682	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 93.600%			
26) 1,2-Dichloroethane-d4	5.695	65	59508	4.822	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 96.400%			
32) Benzene-d6	5.718	84	219785	4.811	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.200%			
36) 1,2-Dichloropropane-d6	6.682	67	72781	4.851	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 97.000%			
41) Toluene-d8	7.891	98	202717	4.747	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.000%			
43) trans-1,3-Dichloroprop...	8.174	79	30021	4.680	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 93.600%			
46) 2-Hexanone-d5	8.628	63	129009	48.583	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 97.160%			
56) 1,1,2,2-Tetrachloroeth...	10.750	84	52511	4.772	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 95.400%			
66) 1,2-Dichlorobenzene-d4	12.187	152	63993	4.987	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 99.800%			
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	3666	0.281	ug/L #	79
12) 1,1-Dichloroethene	2.573	96	27115	2.541	ug/L #	47
16) Methylene chloride	3.043	84	2159	0.176	ug/L	93
18) trans-1,2-Dichloroethene	3.354	96	1170	0.100	ug/L	75
19) 1,1-Dichloroethane	3.859	63	375508	16.499	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	40030	3.073	ug/L	93
27) 1,2-Dichloroethane	5.801	62	3548	0.236	ug/L	100
34) Trichloroethene	6.534	95	70158	5.067	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	6875	0.302	ug/L	93

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

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Instrument :
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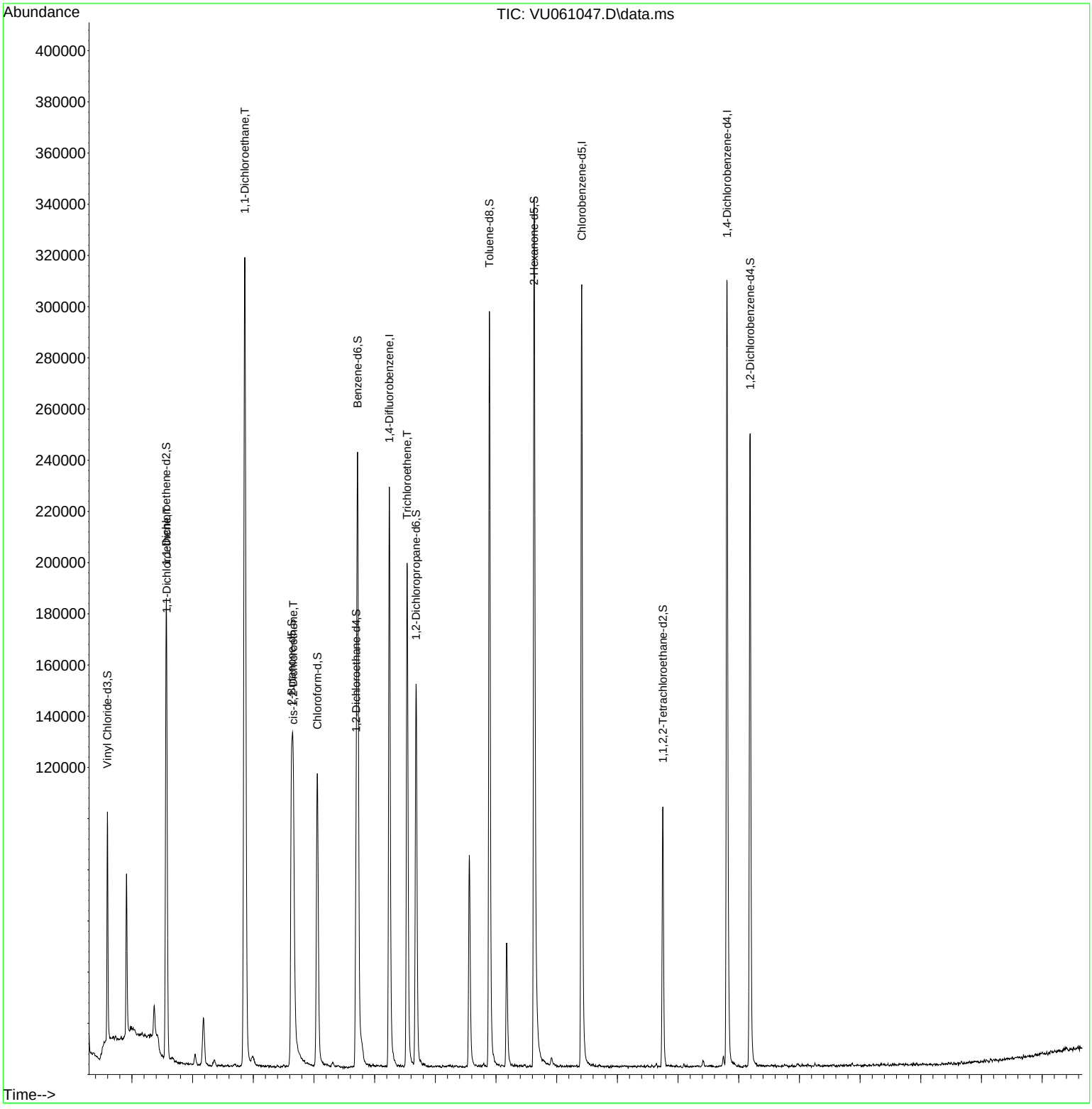
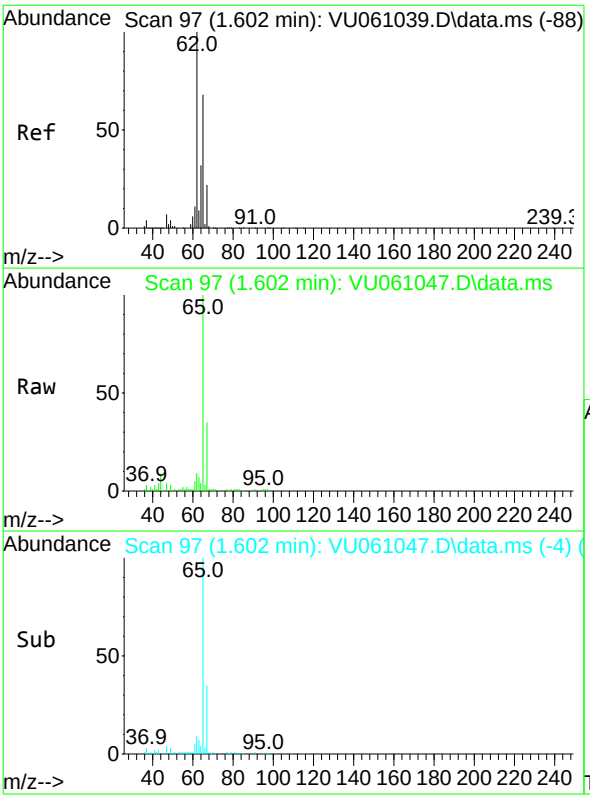
ClientSampleId :
PMW-2(20240925)

Quant Time: Oct 02 02:36:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 02 02:09:38 2024
Response via : Initial Calibration



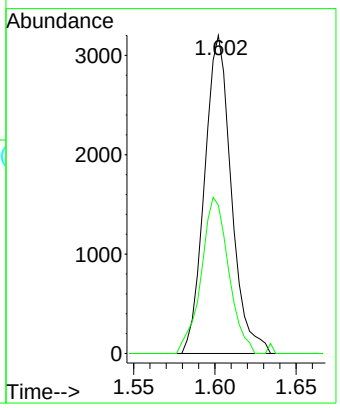


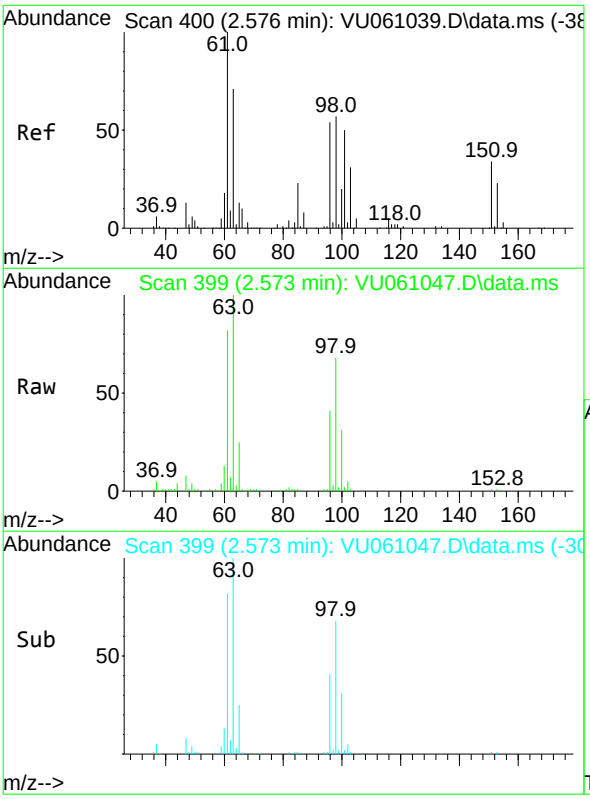
#5
Vinyl chloride
Concen: 0.281 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU061047.D
Acq: 01 Oct 2024 16:37

Instrument :
MSVOA_U
ClientSampleId :
PMW-2(20240925)

Tgt Ion: 62 Resp: 3666

Ion	Ratio	Lower	Upper
62	100		
64	46.6	24.0	44.6#

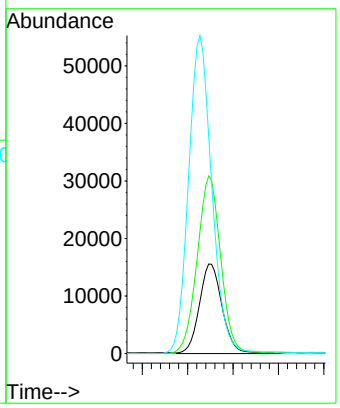


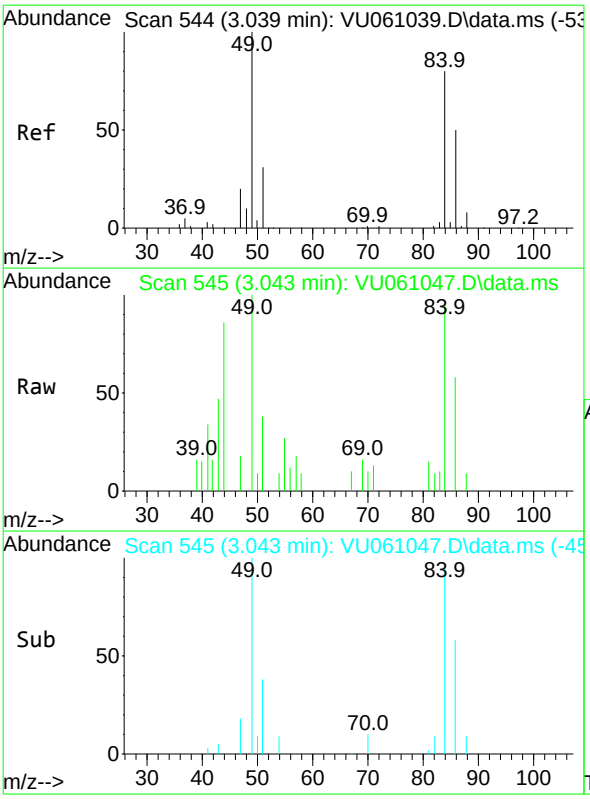


#12
1,1-Dichloroethene
Concen: 2.541 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU061047.D
Acq: 01 Oct 2024 16:37

Tgt Ion: 96 Resp: 27115

Ion	Ratio	Lower	Upper
96	100		
61	198.4	120.7	224.1
63	243.4	90.0	167.2#



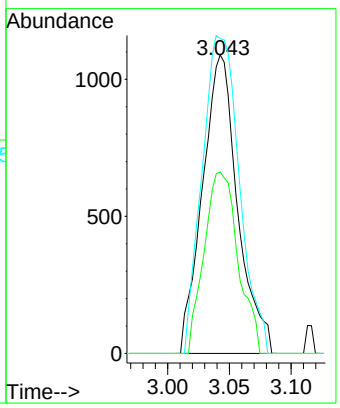


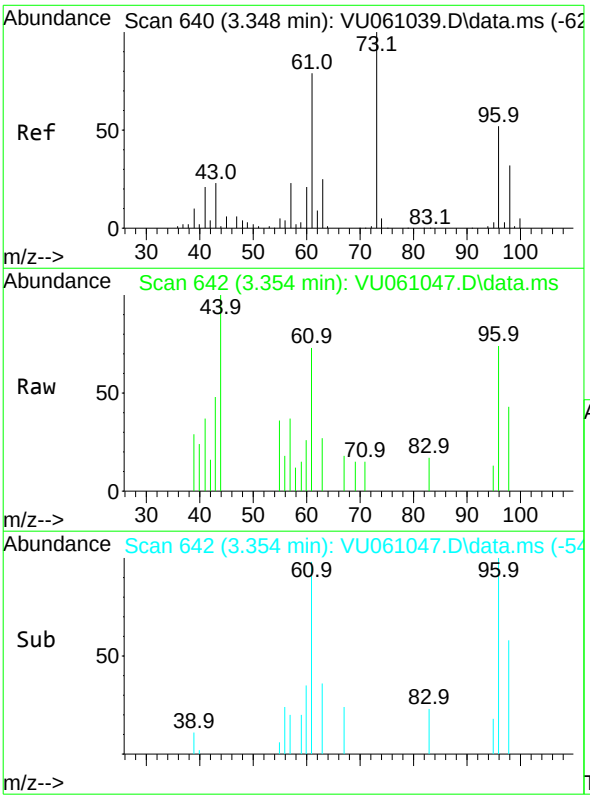
#16
Methylene chloride
Concen: 0.176 ug/L
RT: 3.043 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU061047.D
Acq: 01 Oct 2024 16:37

Instrument :
MSVOA_U
ClientSampleId :
PMW-2(20240925)

Tgt Ion: 84 Resp: 2159

Ion	Ratio	Lower	Upper
84	100		
86	60.8	47.3	87.8
49	105.4	78.7	146.1

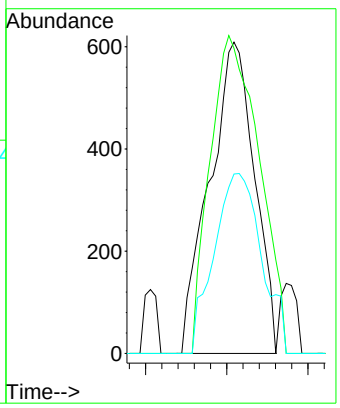


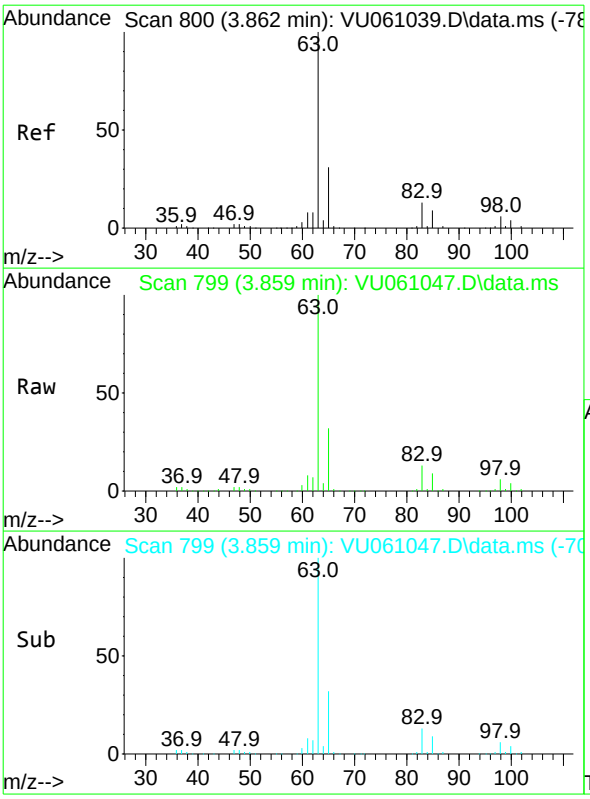


#18
trans-1,2-Dichloroethene
Concen: 0.100 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU061047.D
Acq: 01 Oct 2024 16:37

Tgt Ion: 96 Resp: 1170

Ion	Ratio	Lower	Upper
96	100		
61	98.0	97.2	180.6
98	57.6	43.3	80.5



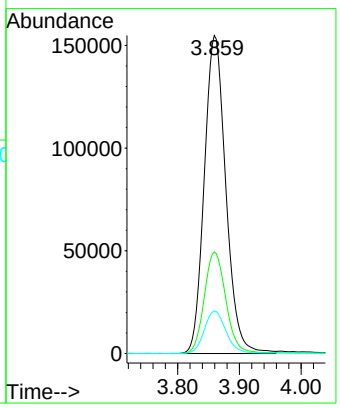


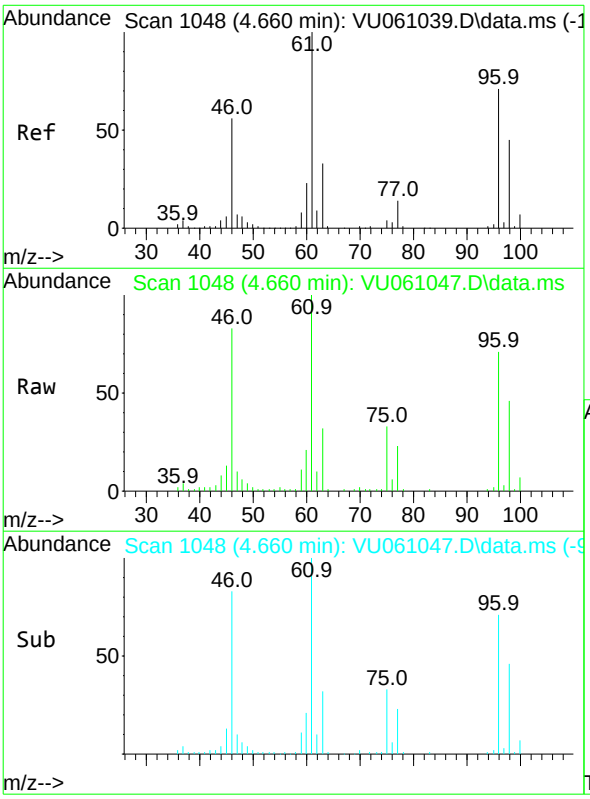
#19
1,1-Dichloroethane
Concen: 16.499 ug/L
RT: 3.859 min Scan# 79
Delta R.T. -0.000 min
Lab File: VU061047.D
Acq: 01 Oct 2024 16:37

Instrument :
MSVOA_U
ClientSampleId :
PMW-2(20240925)

Tgt Ion: 63 Resp: 375508

Ion	Ratio	Lower	Upper
63	100		
65	32.0	23.0	42.8
83	13.4	9.0	16.6

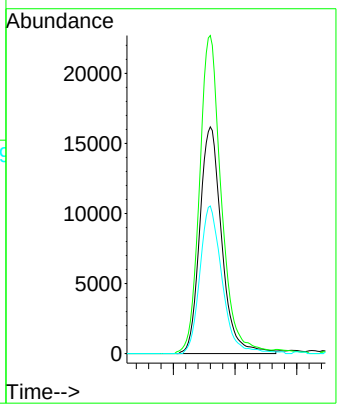


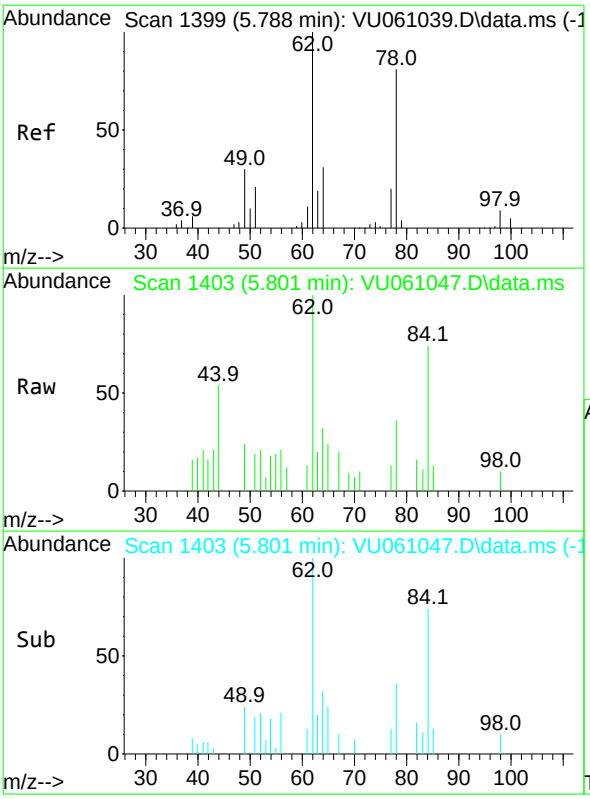


#22
cis-1,2-Dichloroethene
Concen: 3.073 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU061047.D
Acq: 01 Oct 2024 16:37

Tgt Ion: 96 Resp: 40030

Ion	Ratio	Lower	Upper
96	100		
61	140.3	89.7	166.5
98	65.1	45.1	83.9



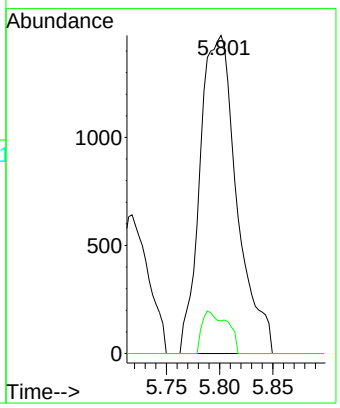


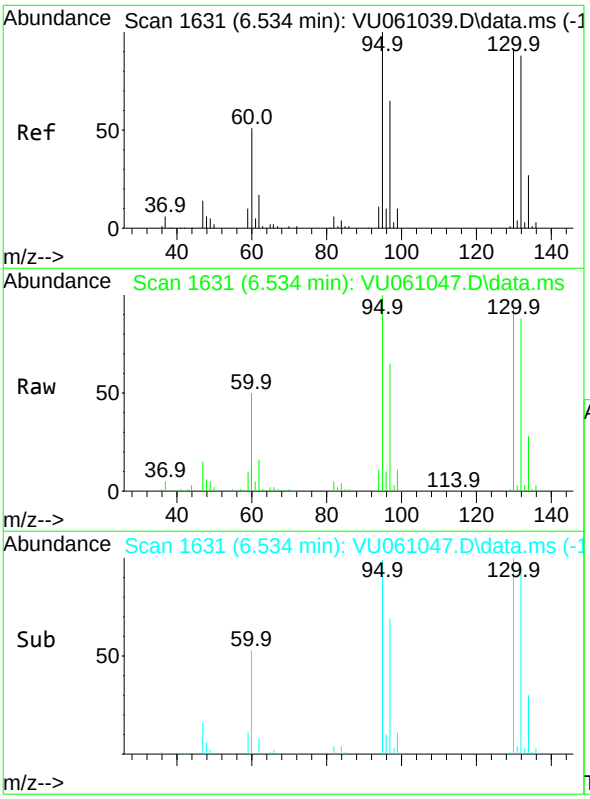
#27
1,2-Dichloroethane
Concen: 0.236 ug/L
RT: 5.801 min Scan# 14
Delta R.T. 0.016 min
Lab File: VU061047.D
Acq: 01 Oct 2024 16:37

Instrument :
MSVOA_U
ClientSampleId :
PMW-2(20240925)

Tgt Ion: 62 Resp: 3548

Ion	Ratio	Lower	Upper
62	100		
98	10.3	8.2	12.4

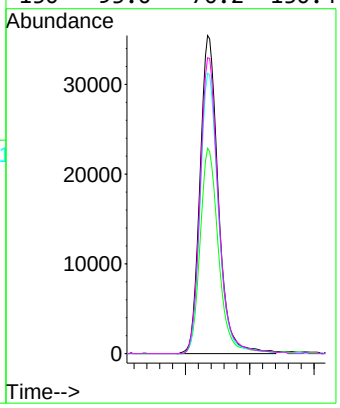


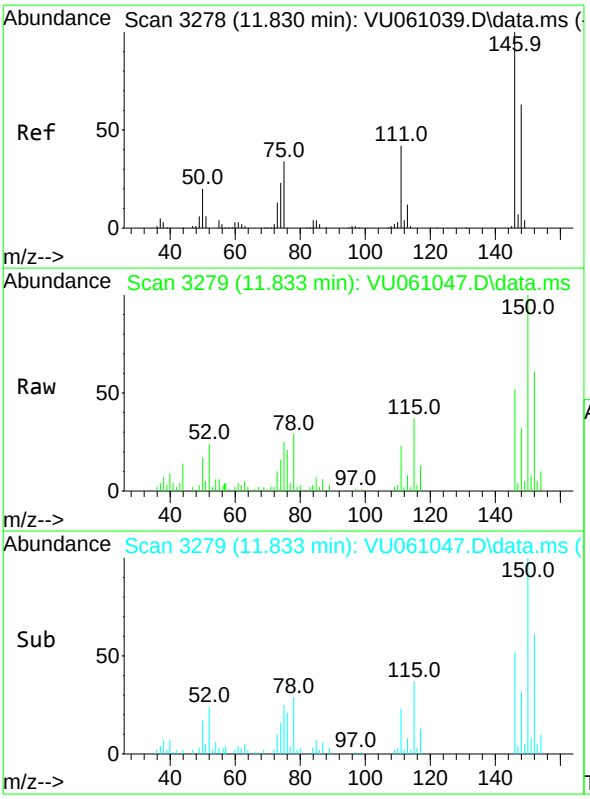


#34
Trichloroethene
Concen: 5.067 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VU061047.D
Acq: 01 Oct 2024 16:37

Tgt Ion: 95 Resp: 70158

Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.9	83.5
132	88.1	63.5	117.9
130	93.0	70.2	130.4





#65
1,4-Dichlorobenzene
Concen: 0.302 ug/L
RT: 11.833 min Scan# 32
Delta R.T. 0.006 min
Lab File: VU061047.D
Acq: 01 Oct 2024 16:37

Instrument :
MSVOA_U
ClientSampleId :
PMW-2(20240925)

Tgt Ion:146 Resp: 6875

Ion	Ratio	Lower	Upper
146	100		
111	44.2	26.3	48.9
148	61.6	45.3	84.1