Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091423\
Data File : VU055322.D
Acq On : 14 Sep 2023 22:57
Operator : MD/SY
Sample : 04380-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BH4L6

Quant Time: Sep 15 06:45:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 15 02:53:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	172532	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	170531	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	80576	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	44553	5.510	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 110.200%			
7) Chloroethane-d5	1.911	69	48907	5.225	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 104.600%			
11) 1,1-Dichloroethene-d2	2.563	65	16069	3.488	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 69.800%			
20) 2-Butanone-d5	4.631	46	95311	40.617	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 81.240%			
24) Chloroform-d	5.061	84	85460	3.983	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 79.600%			
26) 1,2-Dichloroethane-d4	5.698	65	45014	4.193	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 83.800%			
32) Benzene-d6	5.724	84	167804	3.986	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 79.800%			
36) 1,2-Dichloropropane-d6	6.688	67	54216	4.049	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 81.000%			
41) Toluene-d8	7.897	98	141498	3.649	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 73.000%			
43) trans-1,3-Dichloroprop...	8.180	79	17689	4.798	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 96.000%			
46) 2-Hexanone-d5	8.634	63	50123	33.486	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 66.980%			
56) 1,1,2,2-Tetrachloroeth...	10.753	84	36433	3.869	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 77.400%			
66) 1,2-Dichlorobenzene-d4	12.193	152	47235	4.016	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 80.400%			
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	1312	0.122	ug/L #	32
12) 1,1-Dichloroethene	2.576	96	1339	0.168	ug/L #	1
16) Methylene chloride	3.042	84	9886	0.811	ug/L	93
18) trans-1,2-Dichloroethene	3.357	96	2370	0.293	ug/L	71
22) cis-1,2-Dichloroethene	4.663	96	959421	96.849	ug/L	91
34) Trichloroethene	6.537	95	1872829	185.671	ug/L	97
65) 1,4-Dichlorobenzene	11.836	146	3209	0.179	ug/L	87
70) 1,2,4-trichlorobenzene	13.839	180	23027	1.802	ug/L	98
72) 1,2,3-Trichlorobenzene	14.334	180	5687	0.513	ug/L	94

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

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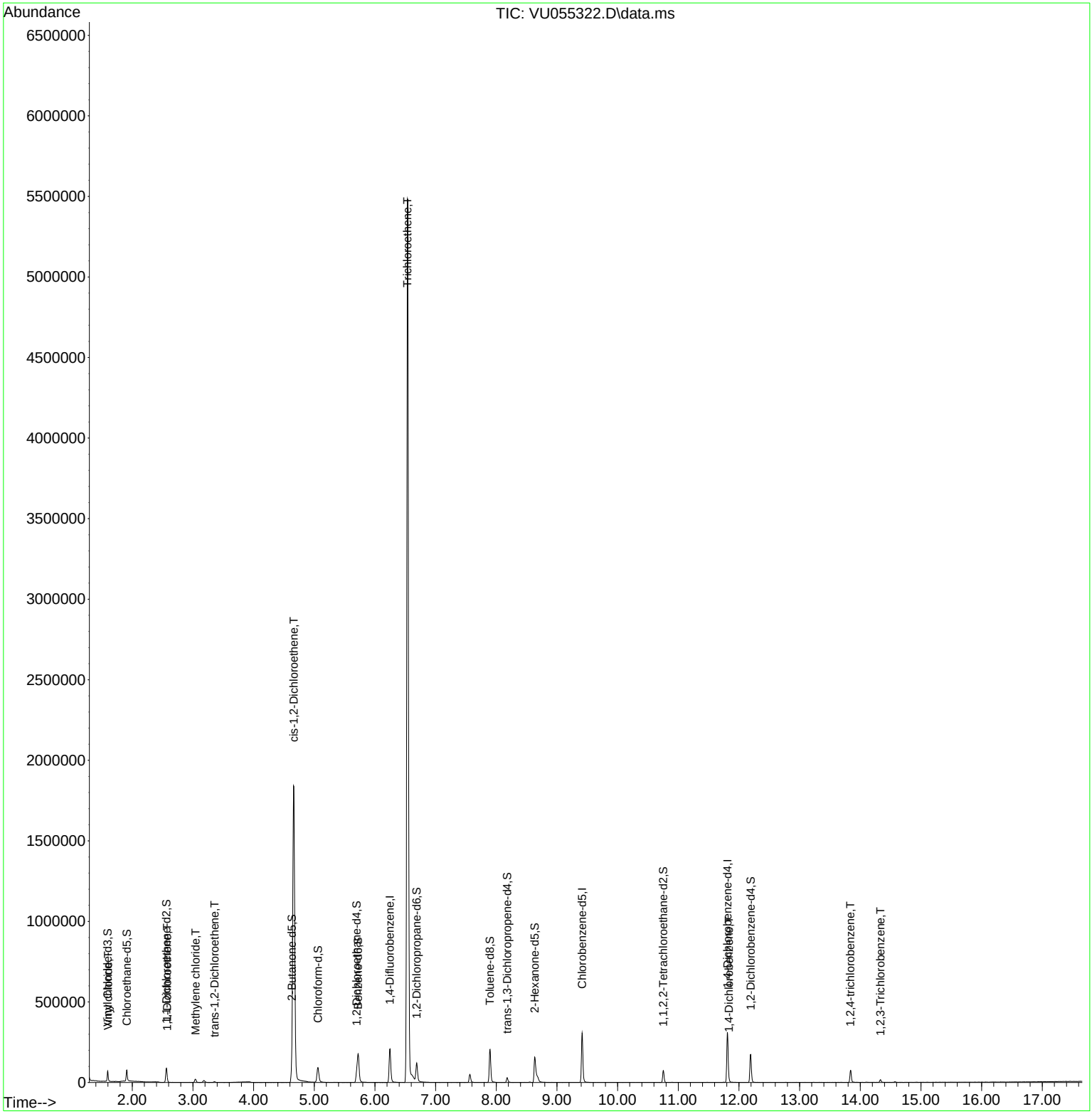
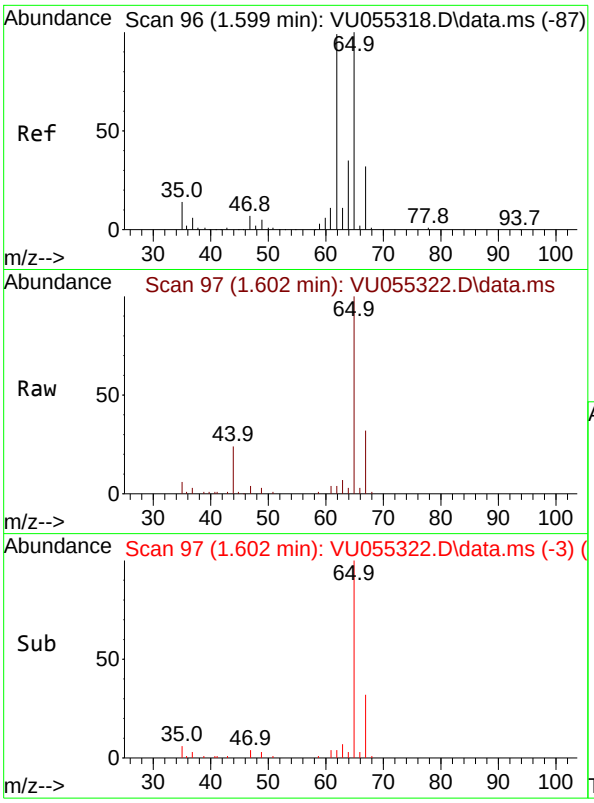


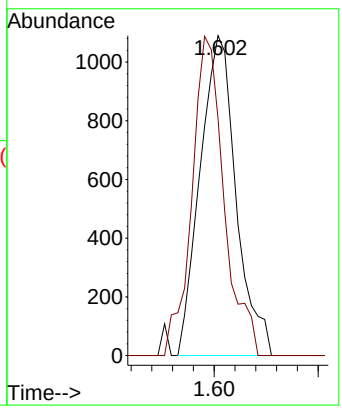


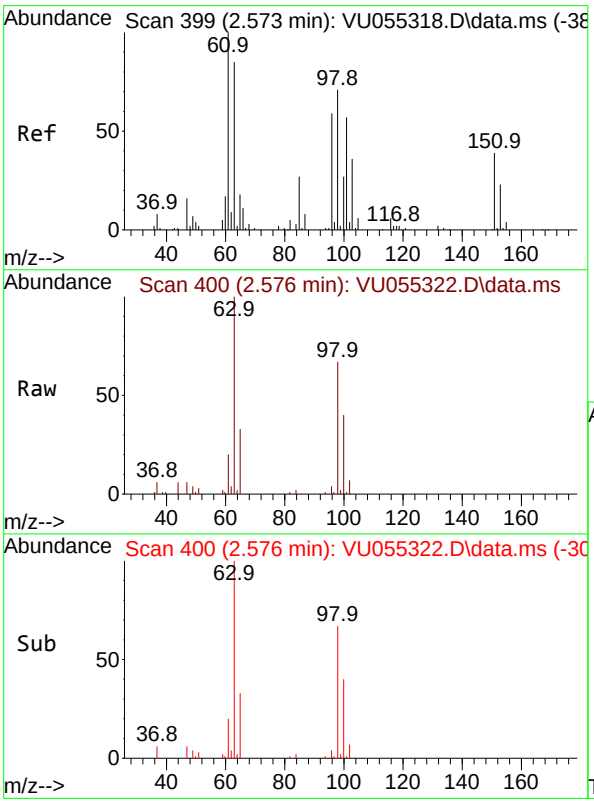
#5
Vinyl chloride
Concen: 0.122 ug/L
RT: 1.602 min Scan# 9
Delta R.T. 0.003 min
Lab File: VU055322.D
Acq: 14 Sep 2023 22:57

Instrument :
MSVOA_U
ClientSampleId :
BH4L6

Tgt Ion: 62 Resp: 1312

Ion	Ratio	Lower	Upper
62	100		
64	74.0	24.2	45.0#

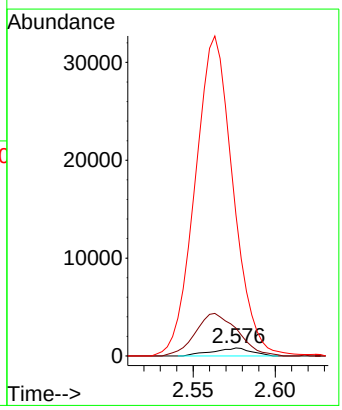


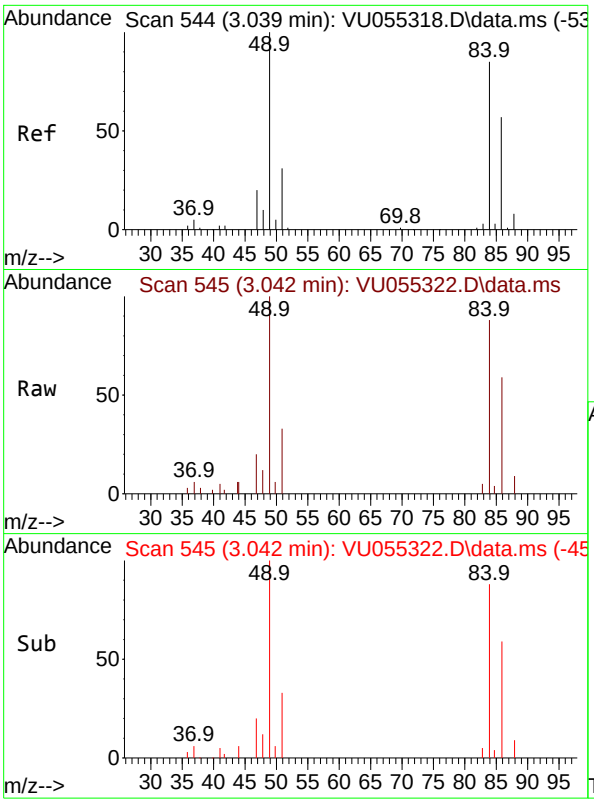


#12
1,1-Dichloroethene
Concen: 0.168 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU055322.D
Acq: 14 Sep 2023 22:57

Tgt Ion: 96 Resp: 1339

Ion	Ratio	Lower	Upper
96	100		
61	349.8	120.8	224.4#
63	1774.2	94.5	175.5#



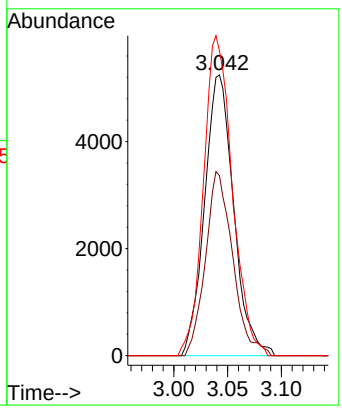


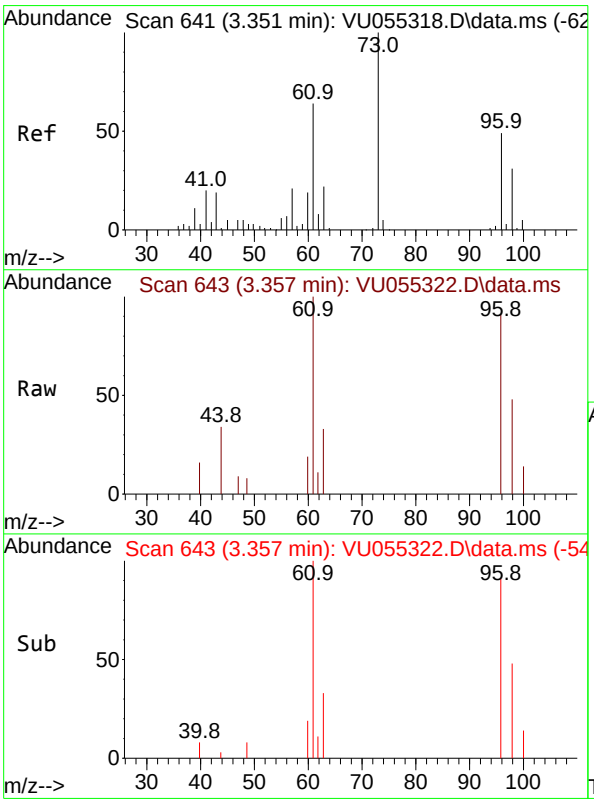
#16
Methylene chloride
Concen: 0.811 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU055322.D
Acq: 14 Sep 2023 22:57

Instrument :
MSVOA_U
ClientSampleId :
BH4L6

Tgt Ion: 84 Resp: 9886

Ion	Ratio	Lower	Upper
84	100		
86	64.1	43.4	80.6
49	114.8	87.7	162.9

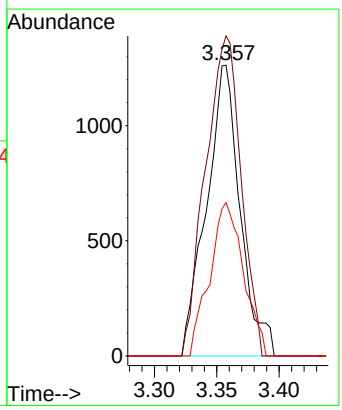


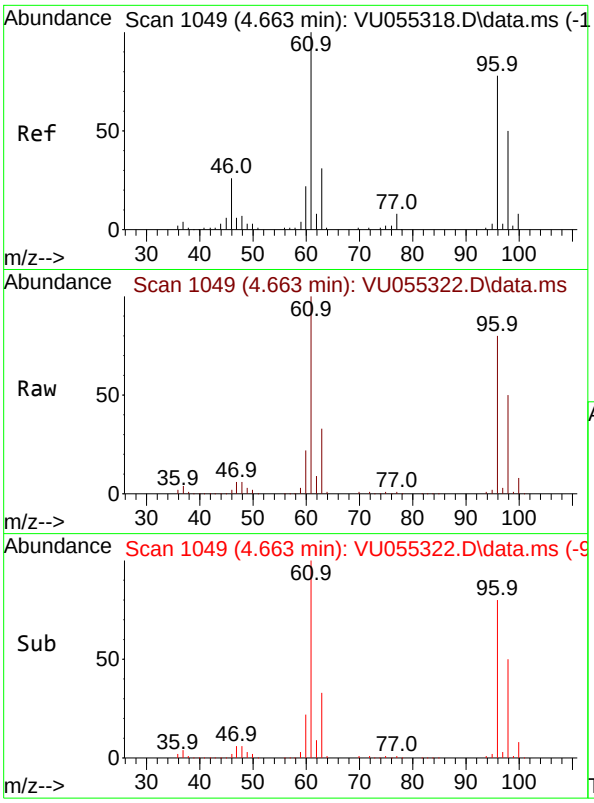


#18
trans-1,2-Dichloroethene
Concen: 0.293 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.010 min
Lab File: VU055322.D
Acq: 14 Sep 2023 22:57

Tgt Ion: 96 Resp: 2370

Ion	Ratio	Lower	Upper
96	100		
61	110.1	108.1	200.9
98	52.7	45.4	84.4



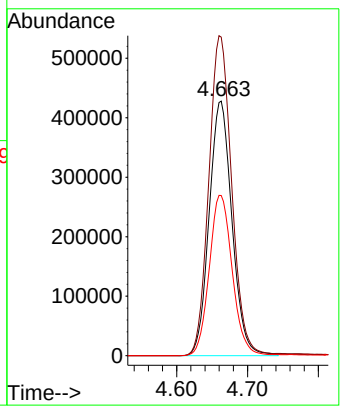


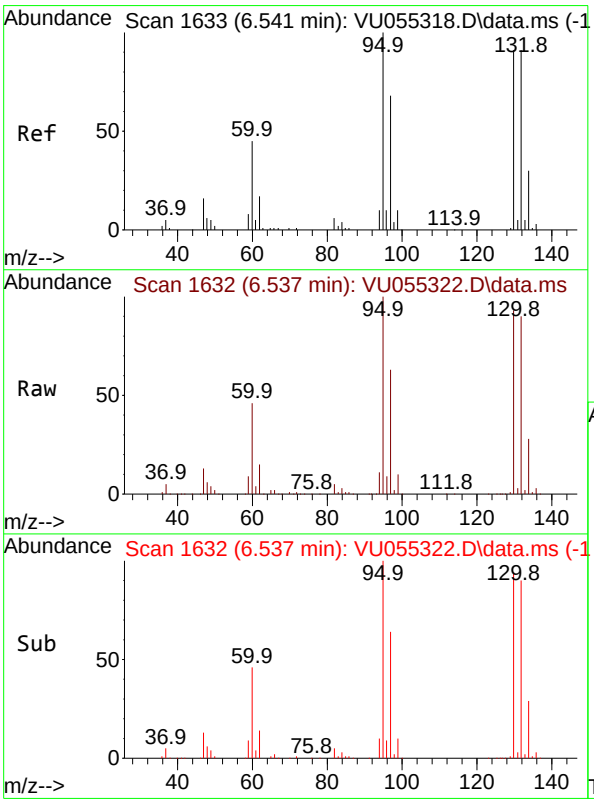
#22
cis-1,2-Dichloroethene
Concen: 96.849 ug/L
RT: 4.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055322.D
Acq: 14 Sep 2023 22:57

Instrument :
MSVOA_U
ClientSampleId :
BH4L6

Tgt Ion: 96 Resp: 959421

Ion	Ratio	Lower	Upper
96	100		
61	125.1	97.2	180.4
98	62.9	46.1	85.7

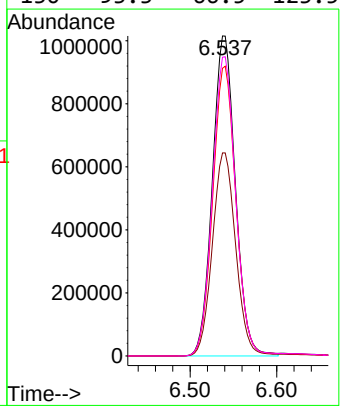


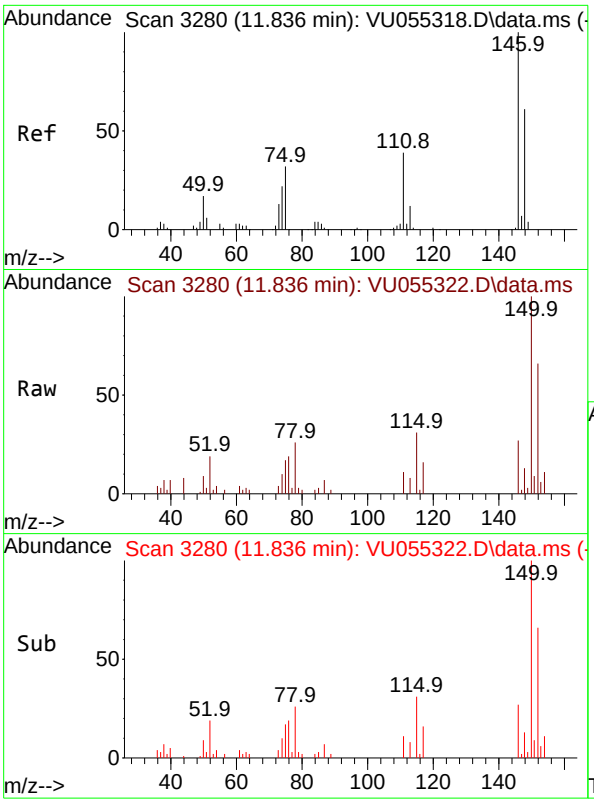


#34
Trichloroethene
Concen: 185.671 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055322.D
Acq: 14 Sep 2023 22:57

Tgt Ion: 95 Resp: 1872829

Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.7	83.1
132	89.9	66.6	123.6
130	93.3	66.5	123.5



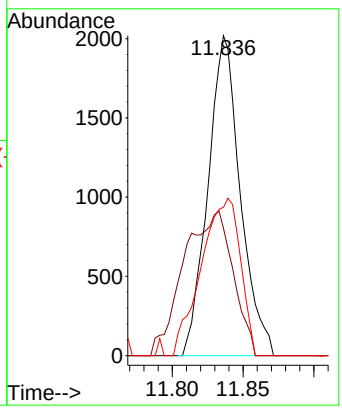


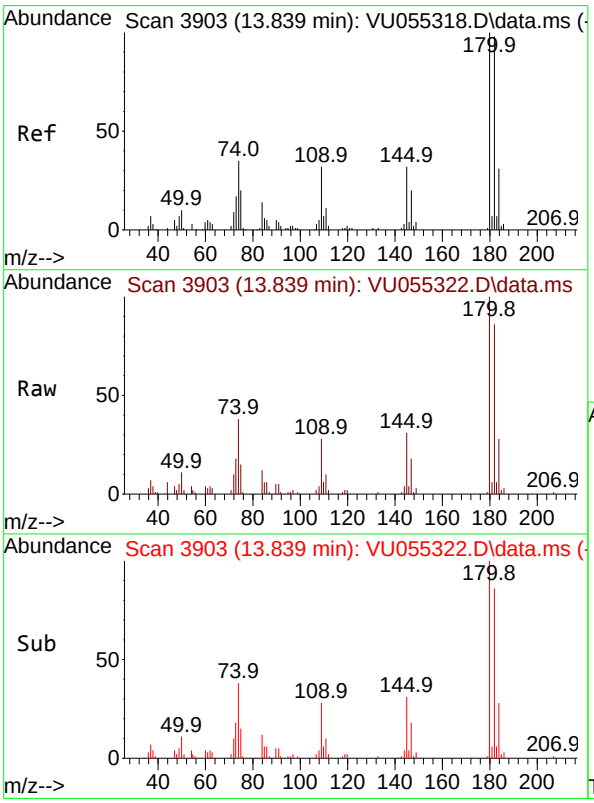
#65
1,4-Dichlorobenzene
Concen: 0.179 ug/L
RT: 11.836 min Scan# 3
Delta R.T. 0.003 min
Lab File: VU055322.D
Acq: 14 Sep 2023 22:57

Instrument :
MSVOA_U
ClientSampleId :
BH4L6

Tgt Ion:146 Resp: 3209

Ion	Ratio	Lower	Upper
146	100		
111	39.8	28.1	52.1
148	46.4	43.8	81.3

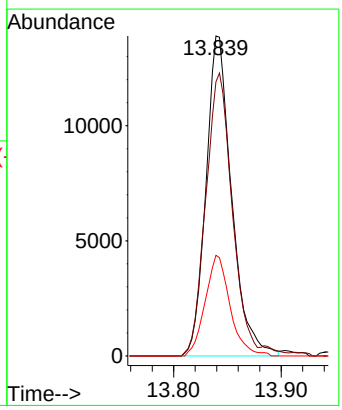


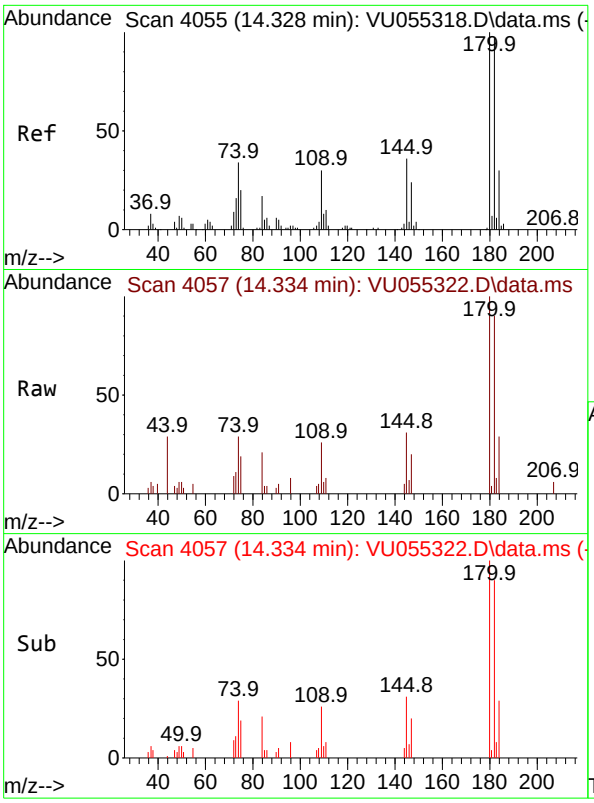


#70
1,2,4-trichlorobenzene
Concen: 1.802 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. -0.000 min
Lab File: VU055322.D
Acq: 14 Sep 2023 22:57

Tgt Ion:180 Resp: 23027

Ion	Ratio	Lower	Upper
180	100		
182	90.8	73.6	110.4
145	30.5	25.8	38.8





#72
1,2,3-Trichlorobenzene
Concen: 0.513 ug/L
RT: 14.334 min Scan# 4
Delta R.T. 0.006 min
Lab File: VU055322.D
Acq: 14 Sep 2023 22:57

Instrument :
MSVOA_U
ClientSampleId :
BH4L6

Tgt Ion:180 Resp: 5687

Ion	Ratio	Lower	Upper
180	100		
182	88.6	75.6	113.4
145	30.3	27.0	40.6