Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
Data File : VX039234.D
Acq On : 15 Dec 2023 17:35
Operator : JC/MD
Sample : 05844-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
YCHF1

Quant Time: Dec 16 01:52:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM120523WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 12 03:50:51 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	234401	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	213745	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	100566	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	68158	37.072	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 74.140%			
7) Chloroethane-d5	1.666	69	54065	39.785	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 79.560%			
11) 1,1-Dichloroethene-d2	2.306	65	36096	44.726	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 89.460%			
21) 2-Butanone-d5	4.446	46	155046	93.164	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 93.160%			
24) Chloroform-d	5.056	84	154935	47.605	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.200%			
26) 1,2-Dichloroethane-d4	5.958	65	105636	50.117	ug/L	0.01
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.240%			
32) Benzene-d6	5.970	84	304110	46.101	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.200%			
36) 1,2-Dichloropropane-d6	7.306	67	99976	47.094	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 94.180%			
41) Toluene-d8	8.647	98	275639	46.109	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.220%			
43) trans-1,3-Dichloroprop...	8.952	79	47724	44.176	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.360%			
47) 2-Hexanone-d5	9.384	63	113317	89.370	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 89.370%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	142558	47.337	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 94.680%			
66) 1,2-Dichlorobenzene-d4	12.317	152	94534	49.732	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.460%			
Target Compounds						Qvalue
5) Vinyl chloride	1.374	62	70092	36.399	ug/L	98
12) 1,1-Dichloroethene	2.319	96	48254	31.955	ug/L	88
13) Acetone	2.374	43	247370	154.725	ug/L	96
17) trans-1,2-Dichloroethene	3.099	96	4463	2.805	ug/L	93
19) 1,1-Dichloroethane	3.611	63	66631	21.180	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	162330	87.964	ug/L	97
22) 2-Butanone	4.556	43	58328	29.727	ug/L	99
27) 1,2-Dichloroethane	6.092	62	6734	2.719	ug/L #	90
30) 1,1,1-Trichloroethane	5.385	97	3904	1.505	ug/L #	85
33) Benzene	6.037	78	8940	1.316	ug/L	100
34) Trichloroethene	7.123	95	96279	53.634	ug/L	97
37) 1,2-Dichloropropane	7.427	63	8106	4.303	ug/L	100
46) Tetrachloroethene	9.275	164	1621	1.369	ug/L #	75

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

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Quant Title : VOC Analysis
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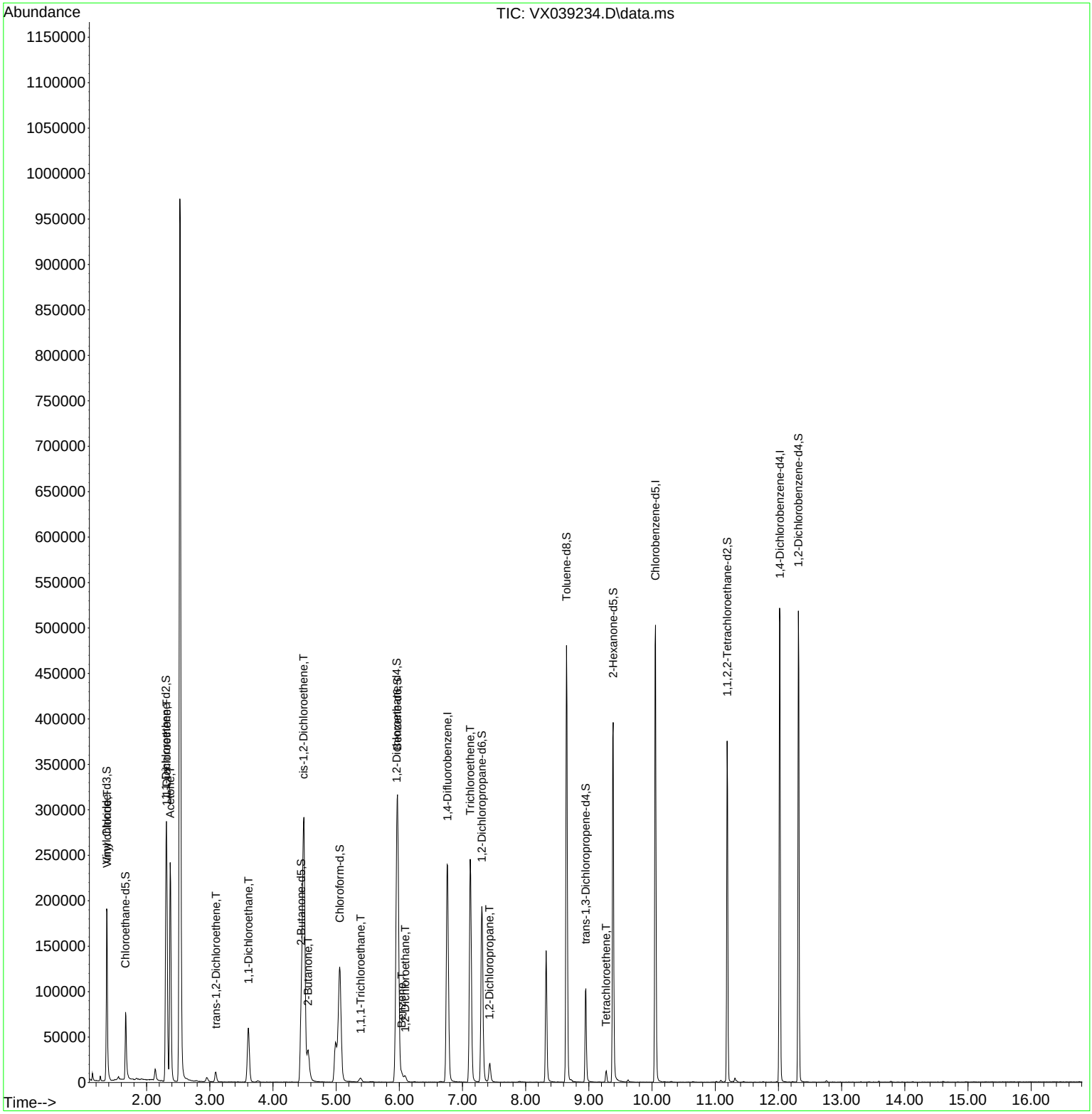
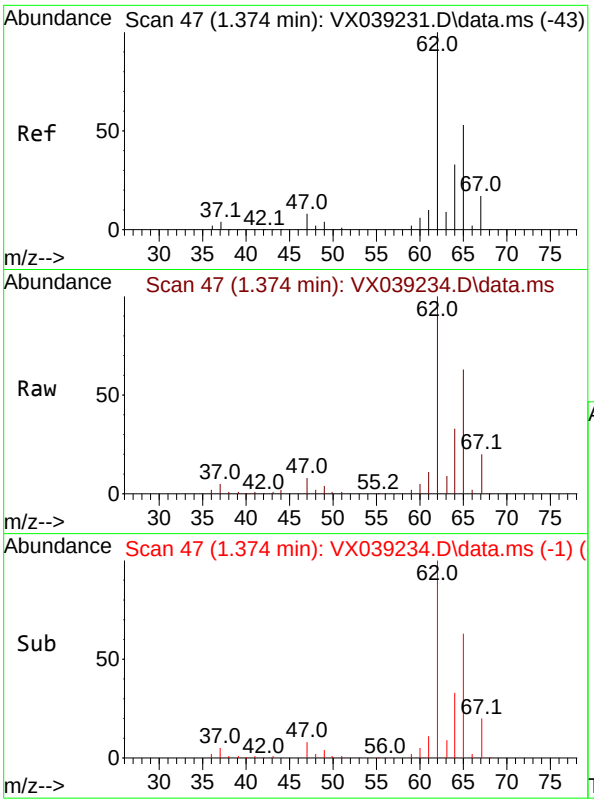


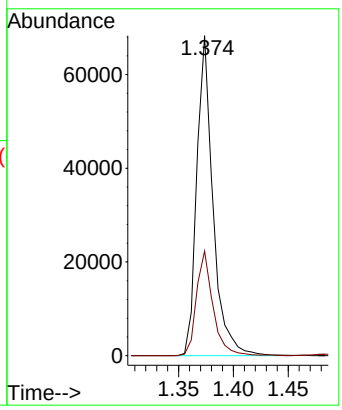


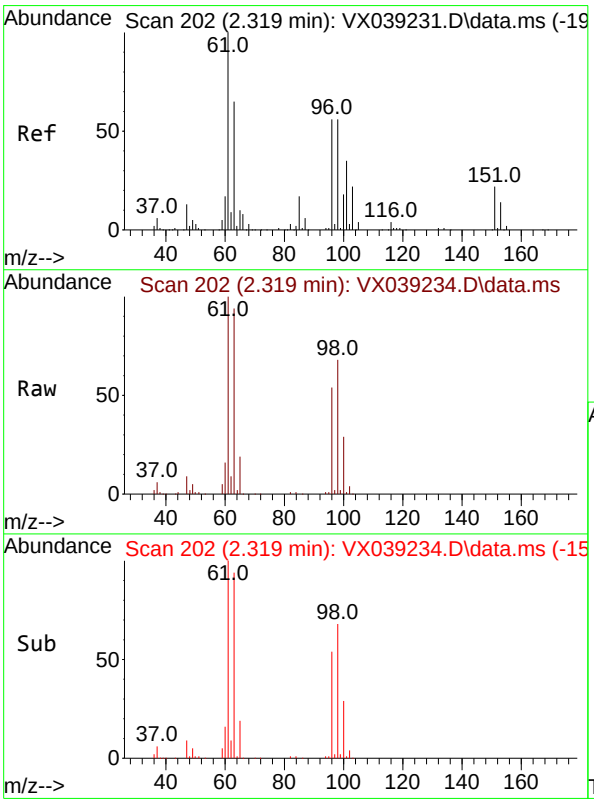
#5
Vinyl chloride
Concen: 36.399 ug/L
RT: 1.374 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX039234.D
Acq: 15 Dec 2023 17:35

Instrument :
MSVOA_X
ClientSampleId :
YCHF1

Tgt Ion: 62 Resp: 70092

Ion	Ratio	Lower	Upper
62	100		
64	32.7	22.3	41.3

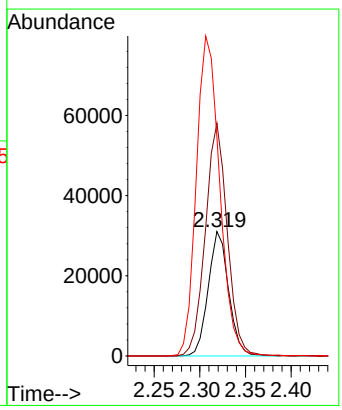


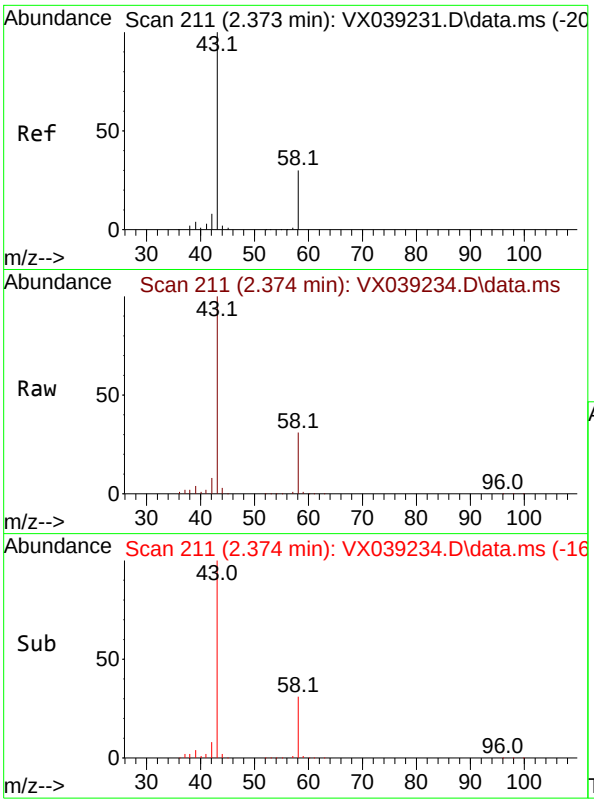


#12
1,1-Dichloroethene
Concen: 31.955 ug/L
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX039234.D
Acq: 15 Dec 2023 17:35

Tgt Ion: 96 Resp: 48254

Ion	Ratio	Lower	Upper
96	100		
61	186.8	128.0	237.6
63	175.7	101.5	188.5



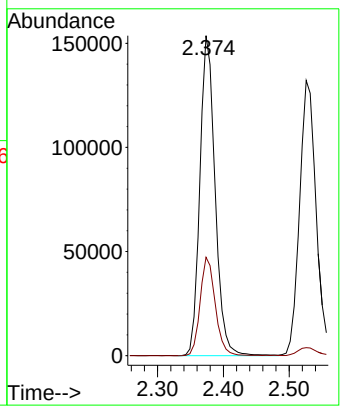


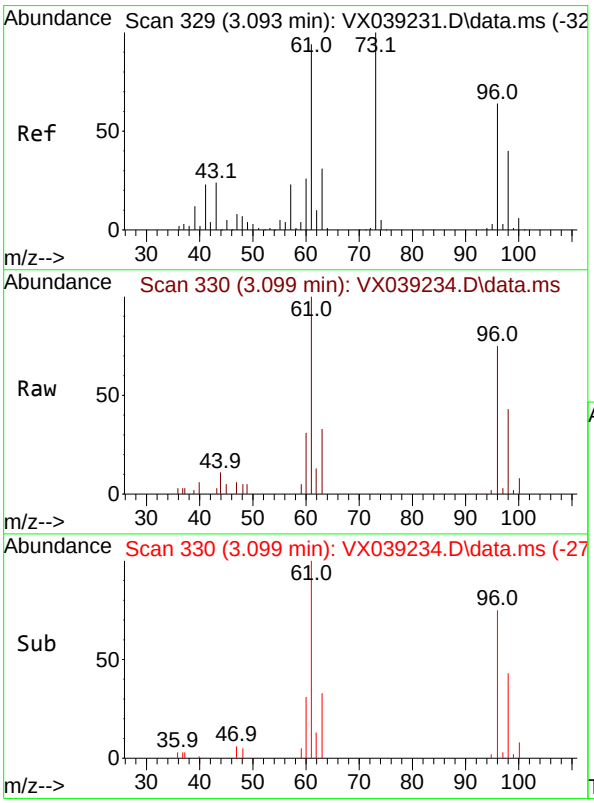
#13
Acetone
Concen: 154.725 ug/L
RT: 2.374 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX039234.D
Acq: 15 Dec 2023 17:35

Instrument :
MSVOA_X
ClientSampleId :
YCHF1

Tgt Ion: 43 Resp: 247370

Ion	Ratio	Lower	Upper
43	100		
58	30.5	0.0	65.8

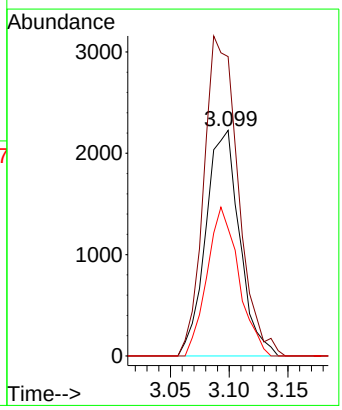


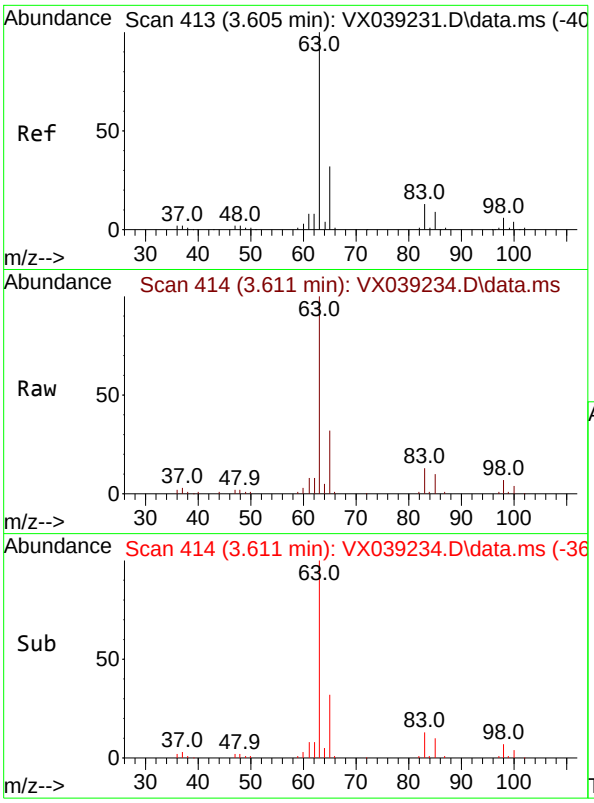


#17
trans-1,2-Dichloroethene
Concen: 2.805 ug/L
RT: 3.099 min Scan# 330
Delta R.T. 0.012 min
Lab File: VX039234.D
Acq: 15 Dec 2023 17:35

Tgt Ion: 96 Resp: 4463

Ion	Ratio	Lower	Upper
96	100		
61	132.7	99.8	185.3
98	56.5	42.6	79.2



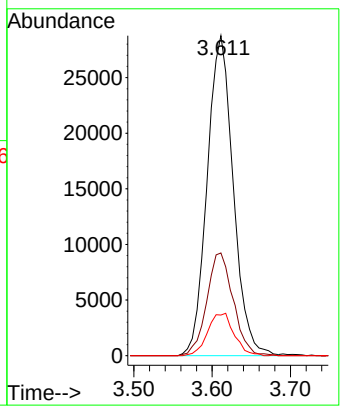


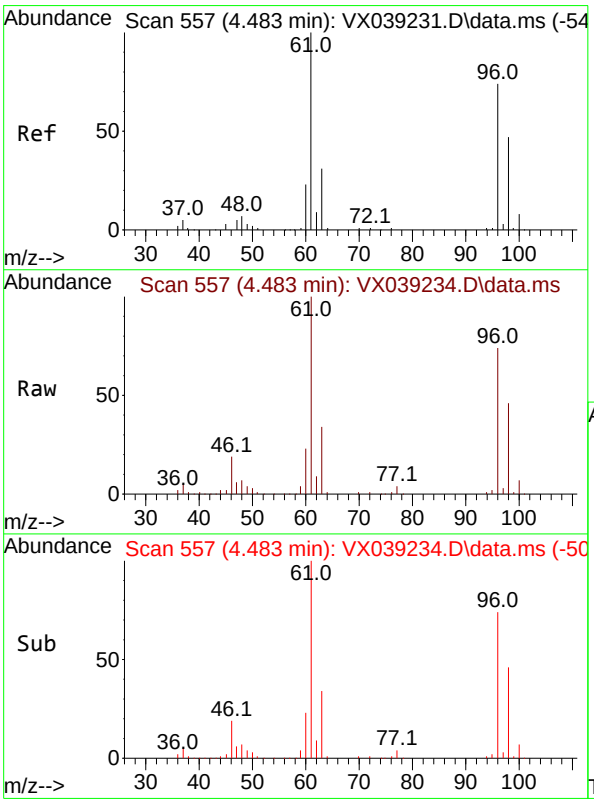
#19
1,1-Dichloroethane
Concen: 21.180 ug/L
RT: 3.611 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX039234.D
Acq: 15 Dec 2023 17:35

Instrument :
MSVOA_X
ClientSampleId :
YCHF1

Tgt Ion: 63 Resp: 66631

Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.1	39.3
83	12.7	9.7	17.9

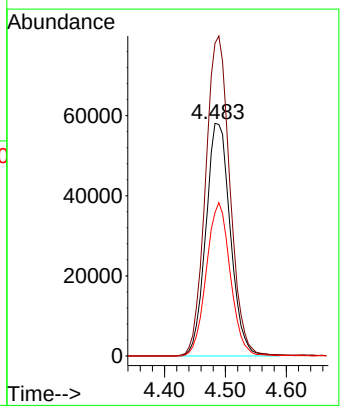


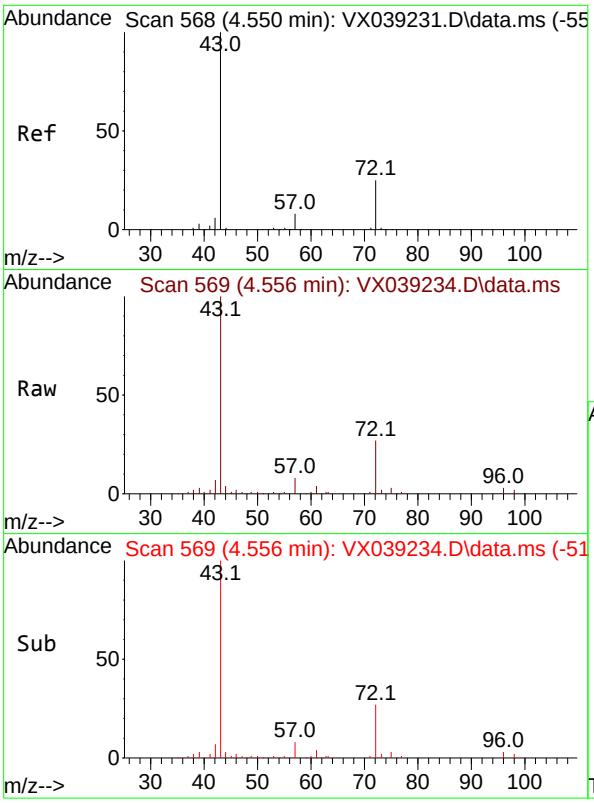


#20
cis-1,2-Dichloroethene
Concen: 87.964 ug/L
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX039234.D
Acq: 15 Dec 2023 17:35

Tgt Ion: 96 Resp: 162330

Ion	Ratio	Lower	Upper
96	100		
61	134.4	91.7	170.3
98	61.6	44.2	82.2



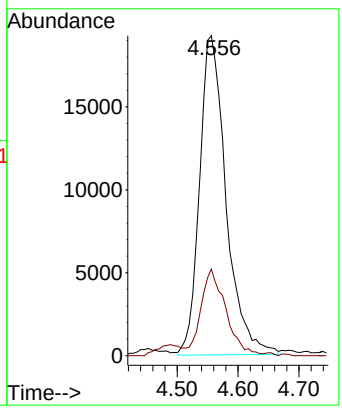


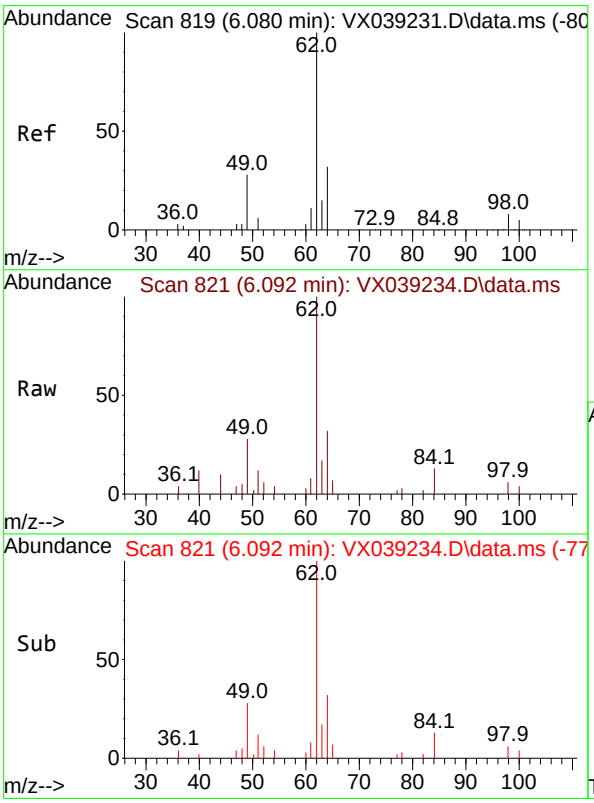
#22
2-Butanone
Concen: 29.727 ug/L
RT: 4.556 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX039234.D
Acq: 15 Dec 2023 17:35

Instrument :
MSVOA_X
ClientSampleId :
YCHF1

Tgt Ion: 43 Resp: 58328

Ion	Ratio	Lower	Upper
43	100		
72	25.4	12.6	37.6

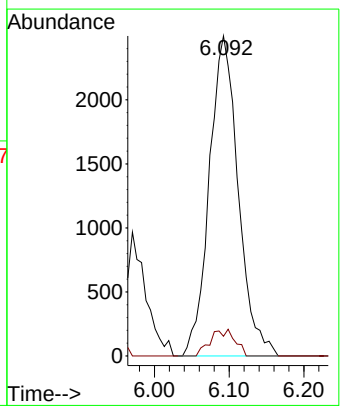


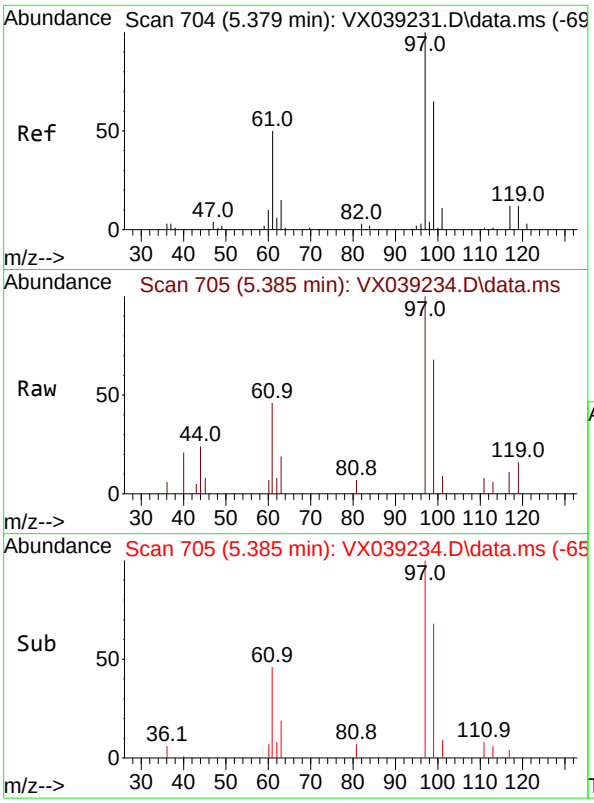


#27
1,2-Dichloroethane
Concen: 2.719 ug/L
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX039234.D
Acq: 15 Dec 2023 17:35

Tgt Ion: 62 Resp: 6734

Ion	Ratio	Lower	Upper
62	100		
98	6.2	8.0	12.0#



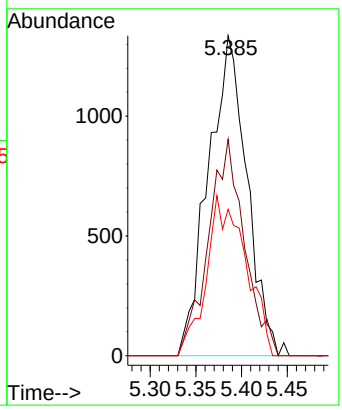


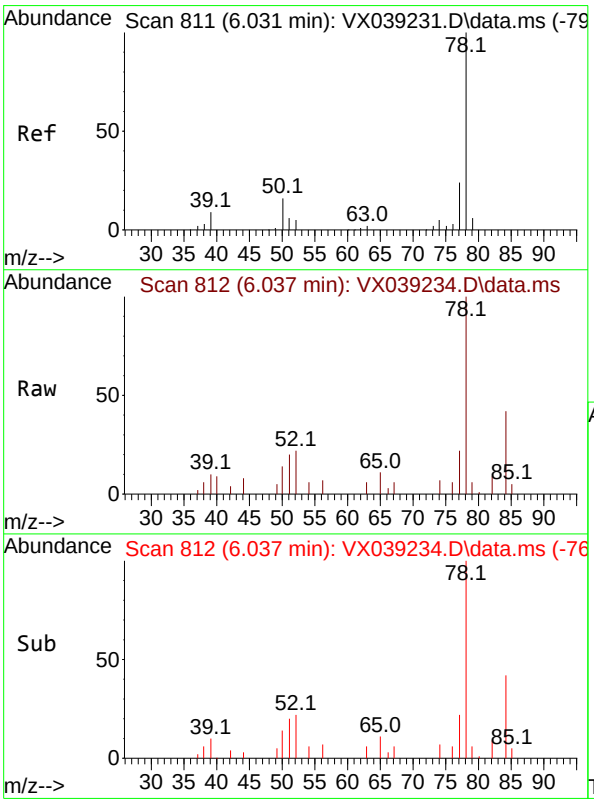
#30
1,1,1-Trichloroethane
Concen: 1.505 ug/L
RT: 5.385 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX039234.D
Acq: 15 Dec 2023 17:35

Instrument :
MSVOA_X
ClientSampleId :
YCHF1

Tgt Ion: 97 Resp: 3904

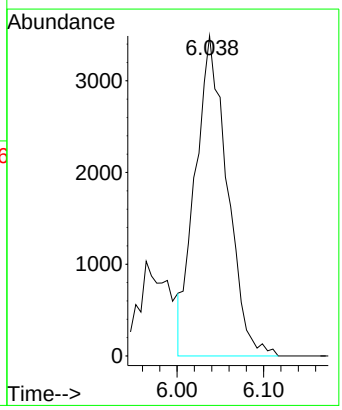
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.4
61	23.1	36.7	55.1#

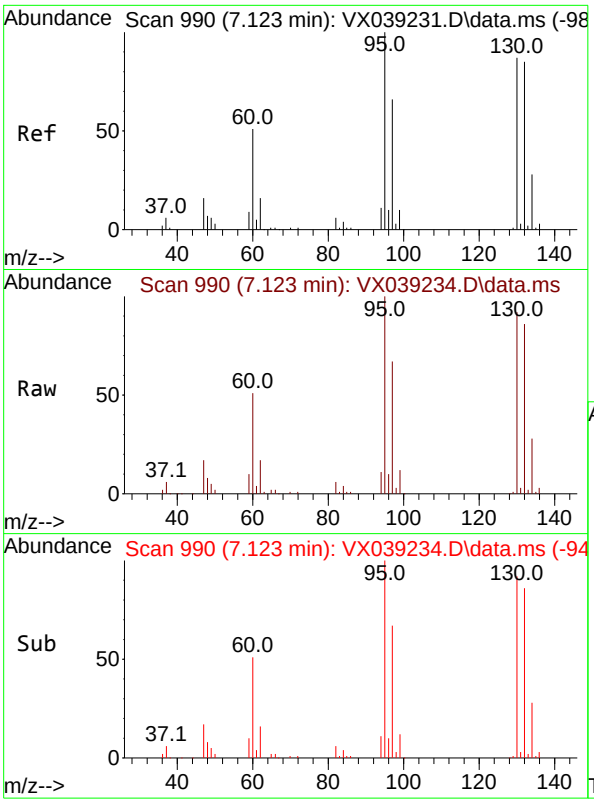




#33
Benzene
Concen: 1.316 ug/L
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX039234.D
Acq: 15 Dec 2023 17:35

Tgt Ion: 78 Resp: 8940



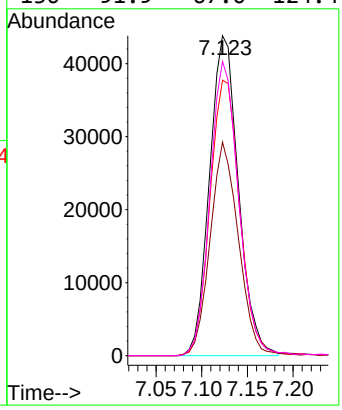


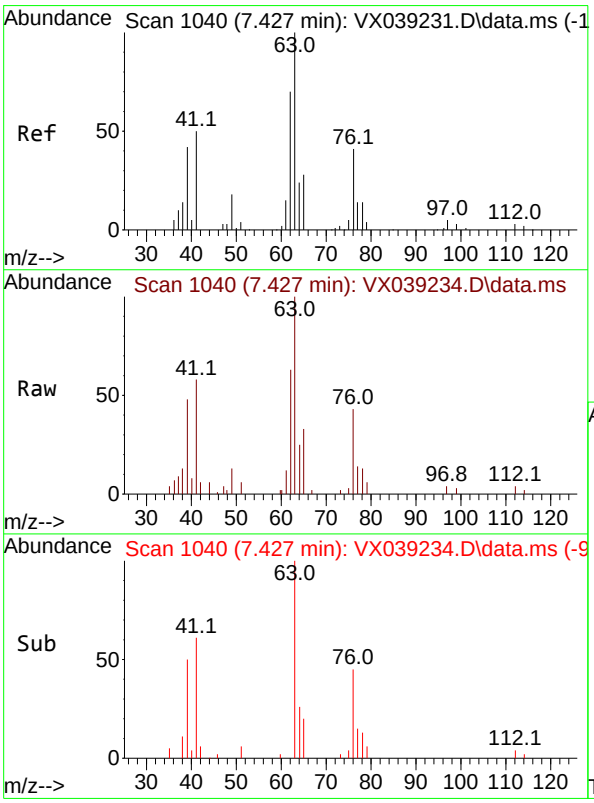
#34
Trichloroethene
Concen: 53.634 ug/L
RT: 7.123 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX039234.D
Acq: 15 Dec 2023 17:35

Instrument :
MSVOA_X
ClientSampleId :
YCHF1

Tgt Ion: 95 Resp: 96279

Ion	Ratio	Lower	Upper
95	100		
97	66.7	45.5	84.5
132	86.1	62.2	115.4
130	91.9	67.0	124.4

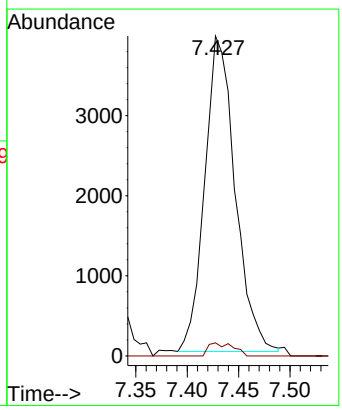


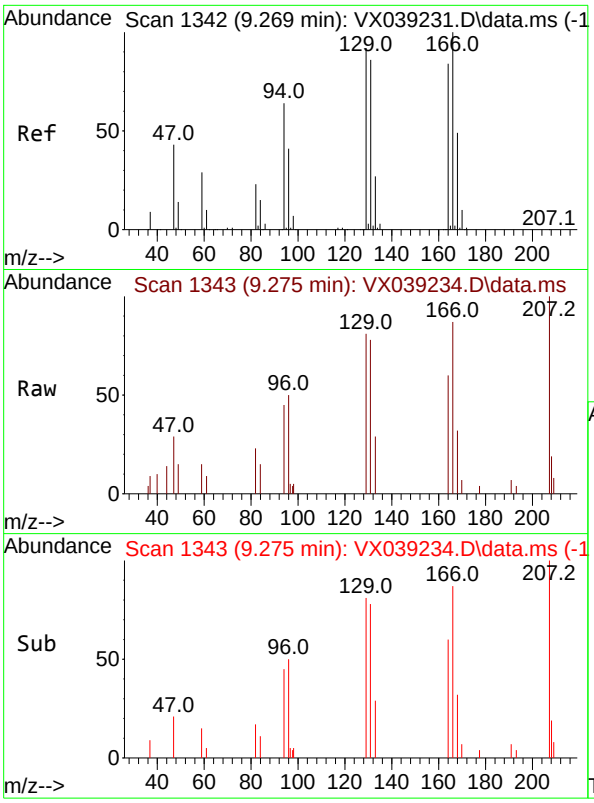


#37
1,2-Dichloropropane
Concen: 4.303 ug/L
RT: 7.427 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VX039234.D
Acq: 15 Dec 2023 17:35

Tgt Ion: 63 Resp: 8106

Ion	Ratio	Lower	Upper
63	100		
112	3.4	2.8	4.2





#46
Tetrachloroethene
Concen: 1.369 ug/L
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX039234.D
Acq: 15 Dec 2023 17:35

Instrument :
MSVOA_X
ClientSampleId :
YCHF1

Tgt Ion:164 Resp: 1621

Ion	Ratio	Lower	Upper
164	100		
129	134.9	71.9	133.5#
131	129.7	69.5	129.1#
166	145.7	90.3	167.7