Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
Data File : VX039258.D
Acq On : 16 Dec 2023 02:46
Operator : JC/MD
Sample : 05845-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
YCHD9

Quant Time: Dec 16 04:21:19 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	230405	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	211891	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	100448	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	62812	34.757	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 69.520%			
7) Chloroethane-d5	1.666	69	50111	37.515	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 75.020%			
11) 1,1-Dichloroethene-d2	2.306	65	32906	41.481	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 82.960%			
21) 2-Butanone-d5	4.452	46	152907	93.473	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery = 93.470%			
24) Chloroform-d	5.056	84	146155	45.686	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.380%			
26) 1,2-Dichloroethane-d4	5.952	65	101560	49.019	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.040%			
32) Benzene-d6	5.970	84	291697	44.606	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.220%			
36) 1,2-Dichloropropane-d6	7.305	67	95470	45.365	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 90.720%			
41) Toluene-d8	8.647	98	258804	43.671	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 87.340%			
43) trans-1,3-Dichloroprop...	8.952	79	43365	40.492	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 80.980%			
47) 2-Hexanone-d5	9.384	63	109034	86.745	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 86.740%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	135810	45.491	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 90.980%			
66) 1,2-Dichlorobenzene-d4	12.317	152	90829	47.839	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.680%			
Target Compounds						Qvalue
5) Vinyl chloride	1.374	62	2794	1.476	ug/L #	72
12) 1,1-Dichloroethene	2.319	96	102999	69.392	ug/L	87
13) Acetone	2.373	43	58557	37.262	ug/L	96
18) Methyl tert-butyl Ether	3.117	73	4015	0.738	ug/L #	86
19) 1,1-Dichloroethane	3.611	63	178446	57.707	ug/L	98
22) 2-Butanone	4.556	43	63299	32.820	ug/L	100
27) 1,2-Dichloroethane	6.092	62	3087	1.268	ug/L #	73
30) 1,1,1-Trichloroethane	5.385	97	8621	3.353	ug/L	99

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

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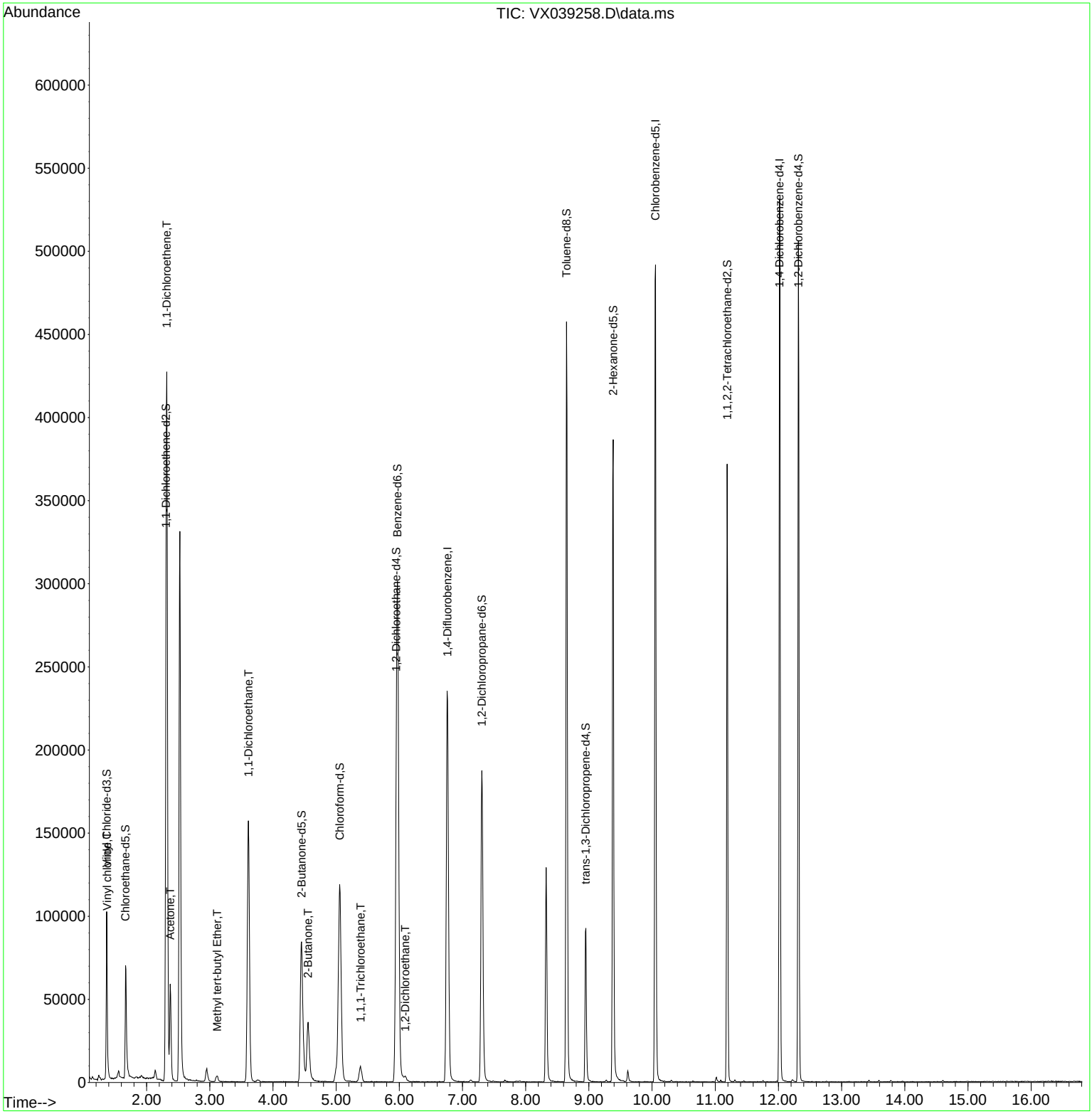
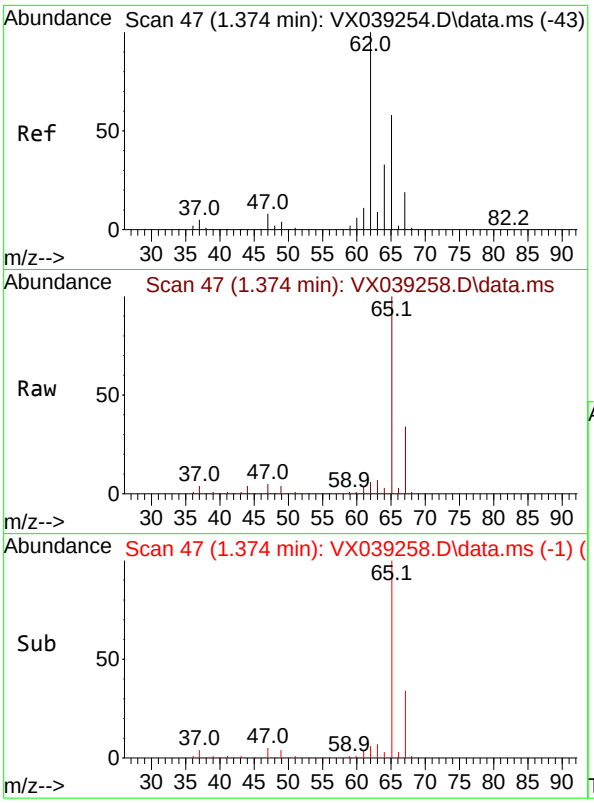


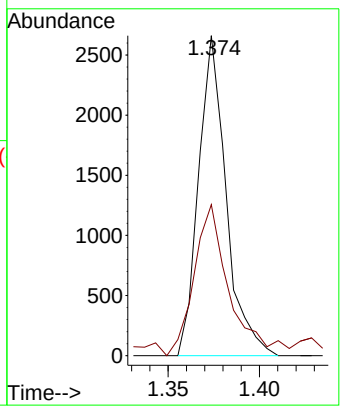


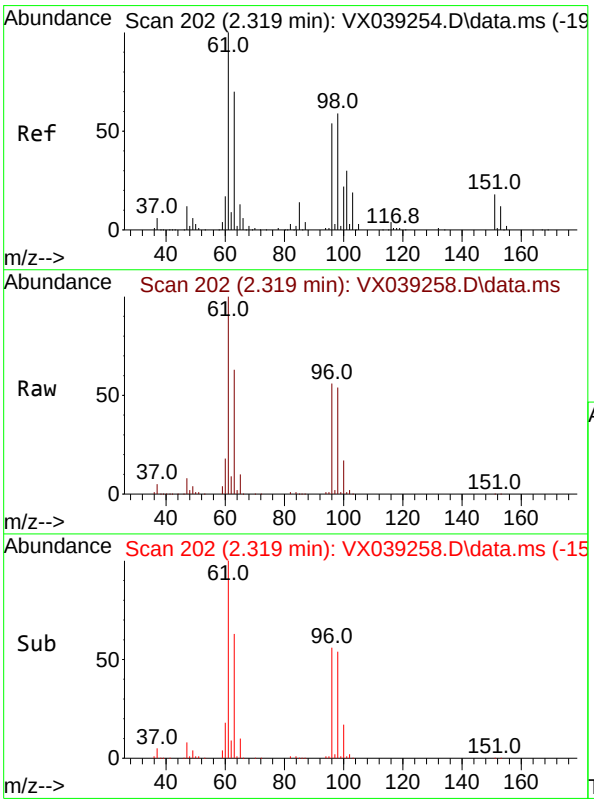
#5
Vinyl chloride
Concen: 1.476 ug/L
RT: 1.374 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX039258.D
Acq: 16 Dec 2023 02:46

Instrument :
MSVOA_X
ClientSampleId :
YCHD9

Tgt Ion: 62 Resp: 2794

Ion	Ratio	Lower	Upper
62	100		
64	47.2	22.3	41.3#

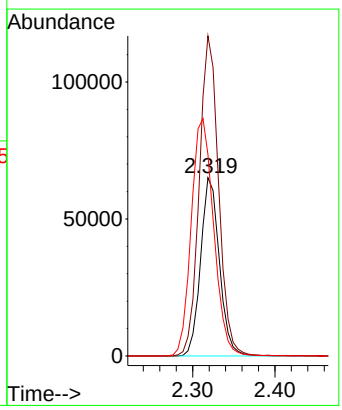


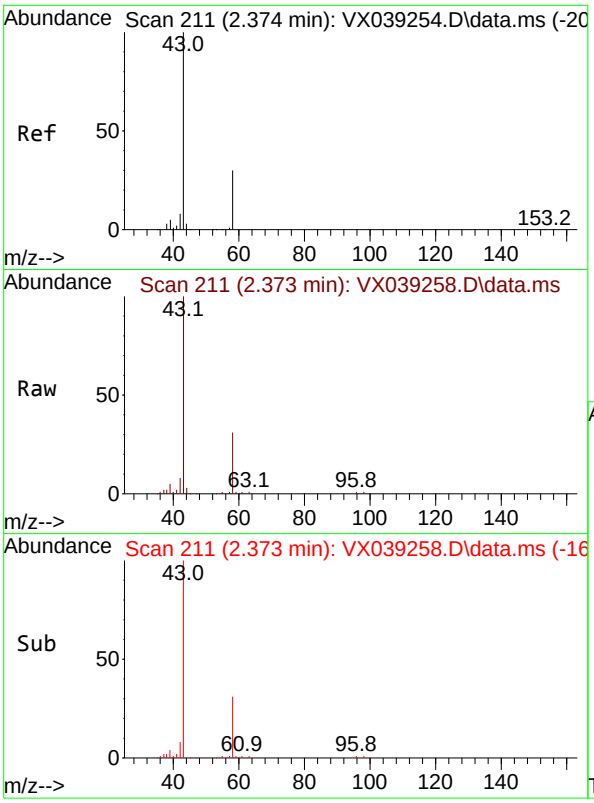


#12
1,1-Dichloroethene
Concen: 69.392 ug/L
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX039258.D
Acq: 16 Dec 2023 02:46

Tgt Ion: 96 Resp: 102999

Ion	Ratio	Lower	Upper
96	100		
61	179.5	128.0	237.6
63	112.9	101.5	188.5



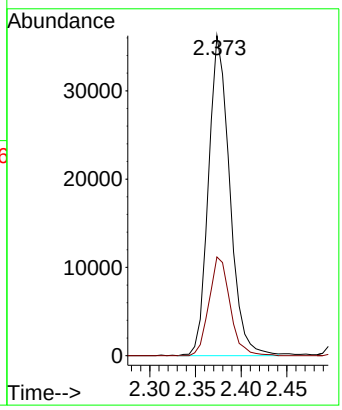


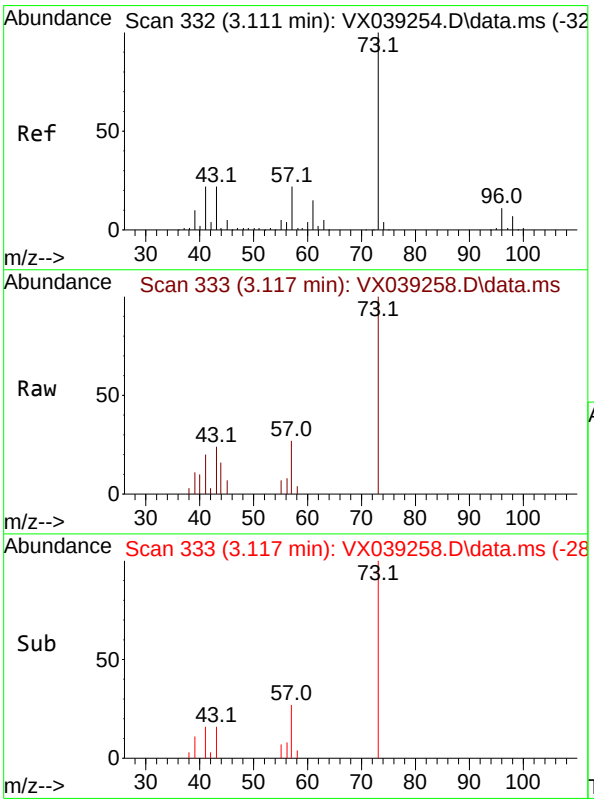
#13
Acetone
Concen: 37.262 ug/L
RT: 2.373 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX039258.D
Acq: 16 Dec 2023 02:46

Instrument :
MSVOA_X
ClientSampleId :
YCHD9

Tgt Ion: 43 Resp: 58557

Ion	Ratio	Lower	Upper
43	100		
58	30.6	0.0	65.8

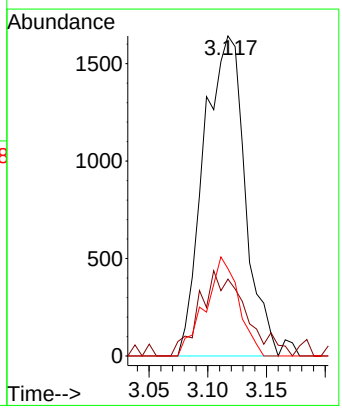


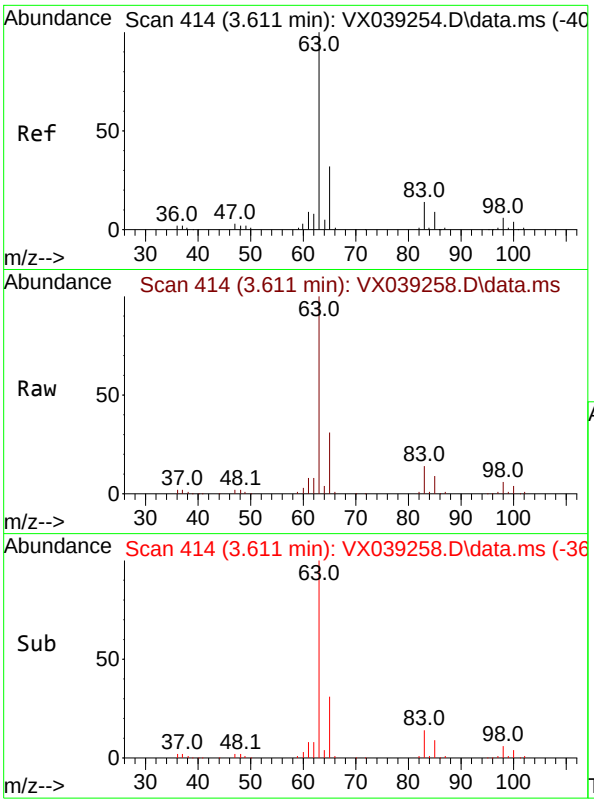


#18
Methyl tert-butyl Ether
Concen: 0.738 ug/L
RT: 3.117 min Scan# 333
Delta R.T. 0.012 min
Lab File: VX039258.D
Acq: 16 Dec 2023 02:46

Tgt Ion: 73 Resp: 4015

Ion	Ratio	Lower	Upper
73	100		
43	9.0	16.9	25.3#
57	25.1	18.5	27.7



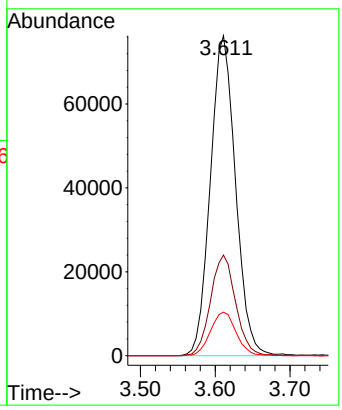


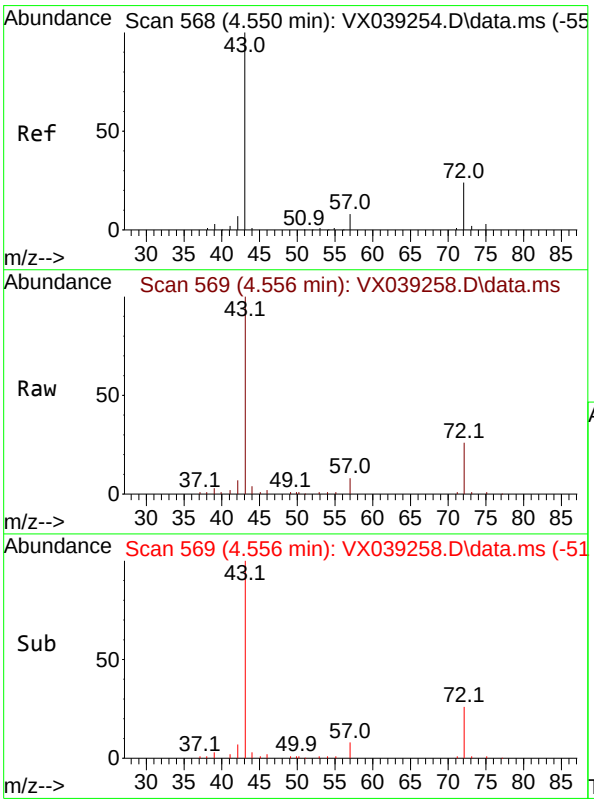
#19
1,1-Dichloroethane
Concen: 57.707 ug/L
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX039258.D
Acq: 16 Dec 2023 02:46

Instrument :
MSVOA_X
ClientSampleId :
YCHD9

Tgt Ion: 63 Resp: 178446

Ion	Ratio	Lower	Upper
63	100		
65	31.5	21.1	39.3
83	13.6	9.7	17.9

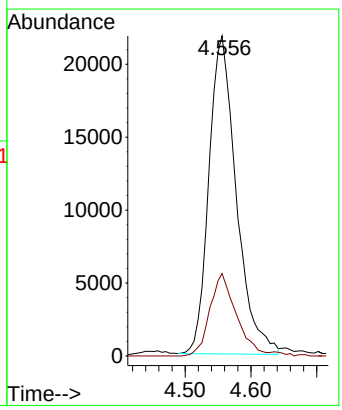


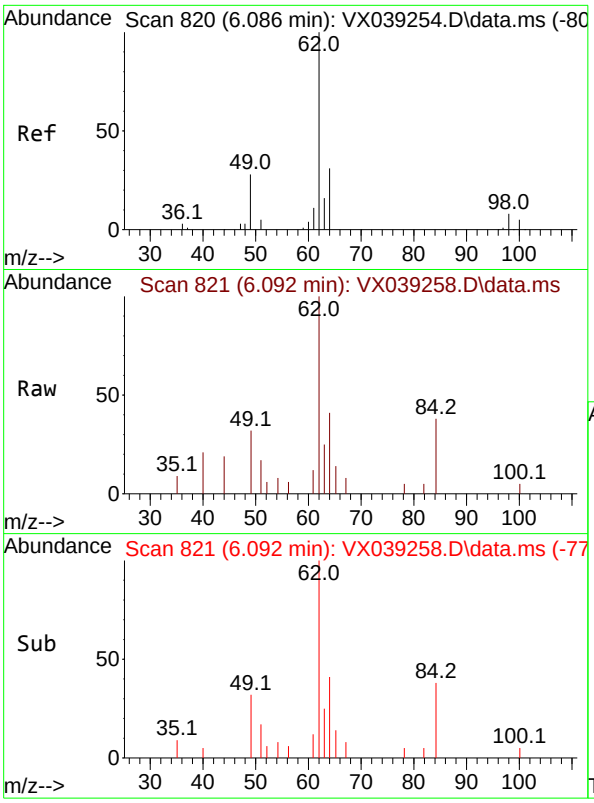


#22
2-Butanone
Concen: 32.820 ug/L
RT: 4.556 min Scan# 569
Delta R.T. 0.012 min
Lab File: VX039258.D
Acq: 16 Dec 2023 02:46

Tgt Ion: 43 Resp: 63299

Ion	Ratio	Lower	Upper
43	100		
72	24.9	12.6	37.6



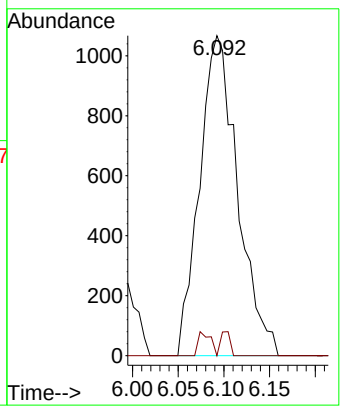


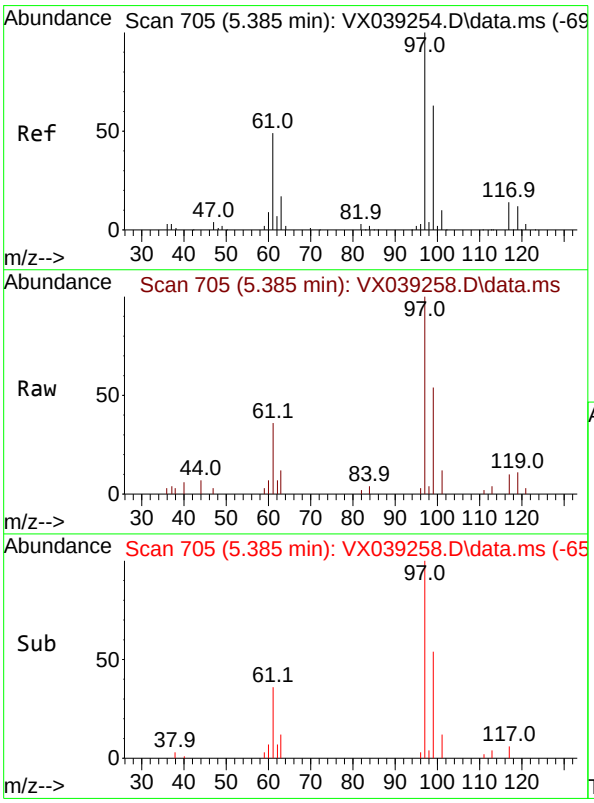
#27
1,2-Dichloroethane
Concen: 1.268 ug/L
RT: 6.092 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX039258.D
Acq: 16 Dec 2023 02:46

Instrument :
MSVOA_X
ClientSampleId :
YCHD9

Tgt Ion: 62 Resp: 3087

Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.0	12.0#





#30
1,1,1-Trichloroethane
Concen: 3.353 ug/L
RT: 5.385 min Scan# 705
Delta R.T. 0.012 min
Lab File: VX039258.D
Acq: 16 Dec 2023 02:46

Tgt Ion: 97 Resp: 8621

Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.0	76.4
61	46.5	36.7	55.1