Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013025\
Data File : VX044777.D
Acq On : 30 Jan 2025 12:46
Operator : JC/MD
Sample : Q1214-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 31 00:41:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	24068	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	128488	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	116134	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	62073	26.715	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 89.067%#			
60) 4-Bromofluorobenzene	11.079	95	59509	26.382	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 87.933%			
63) Toluene-d8	8.647	98	189624	30.020	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.067%			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	1847	0.821	ug/l	96
4) Vinyl Chloride	1.246	62	2685	1.219	ug/l #	1
5) Bromomethane	1.593	94	491	0.922	ug/l	82
6) Chloroethane	1.679	64	9147	26.193	ug/l #	53
12) Methyl Acetate	2.715	43	630	0.243	ug/l #	51
13) Acrolein	1.843	56	126	0.439	ug/l	99
15) Acetone	2.380	58	369	1.454	ug/l #	29
18) Methylene Chloride	2.782	84	1019	0.512	ug/l #	86
23) tert-Butyl Alcohol	2.947	59	804	1.758	ug/l #	100
51) Ethyl methacrylate	8.653	69	624	0.211	ug/l	99
56) Bromoform	11.079	173	401	0.297	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	29210	28.206	ug/l #	13

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

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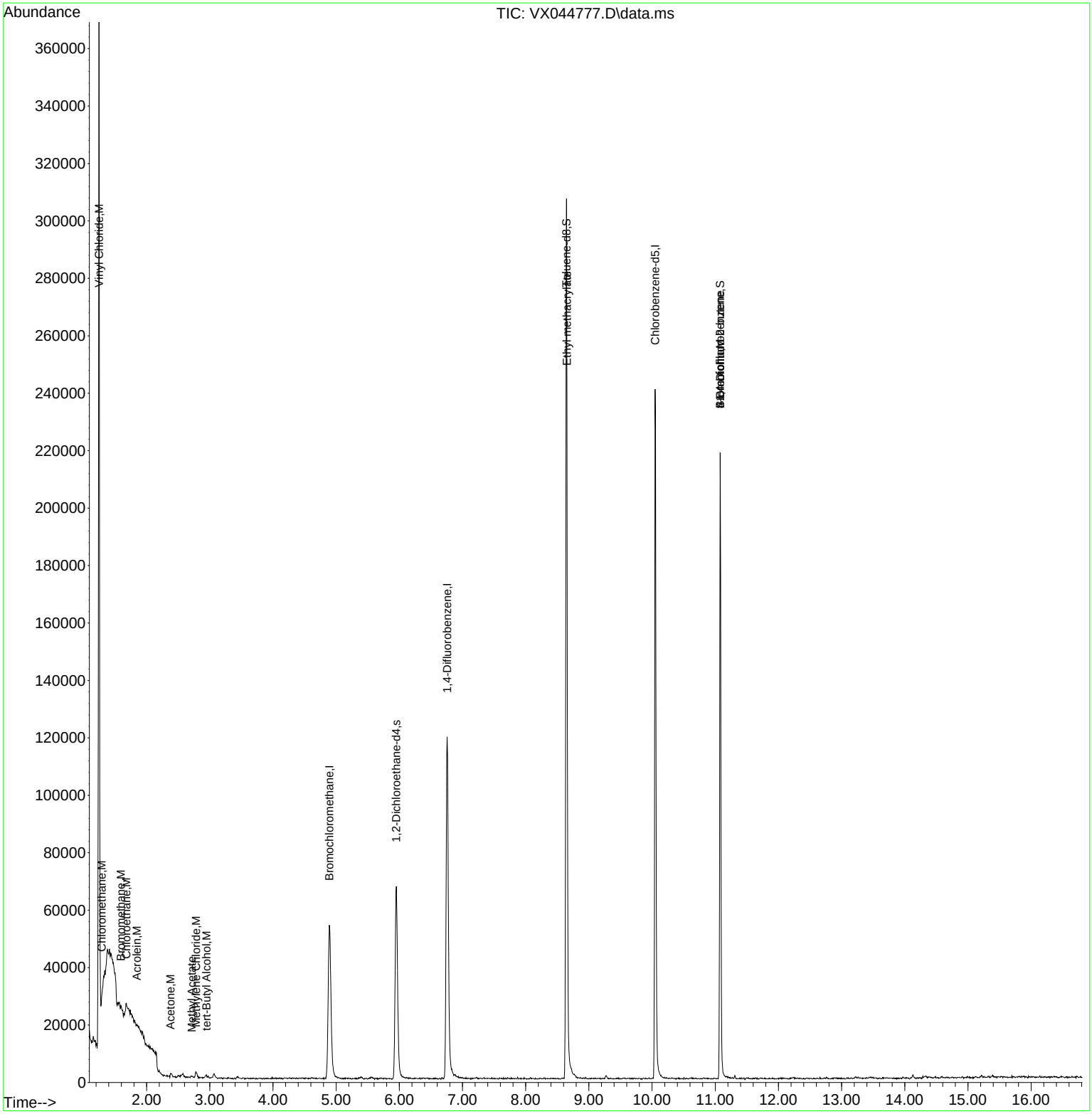
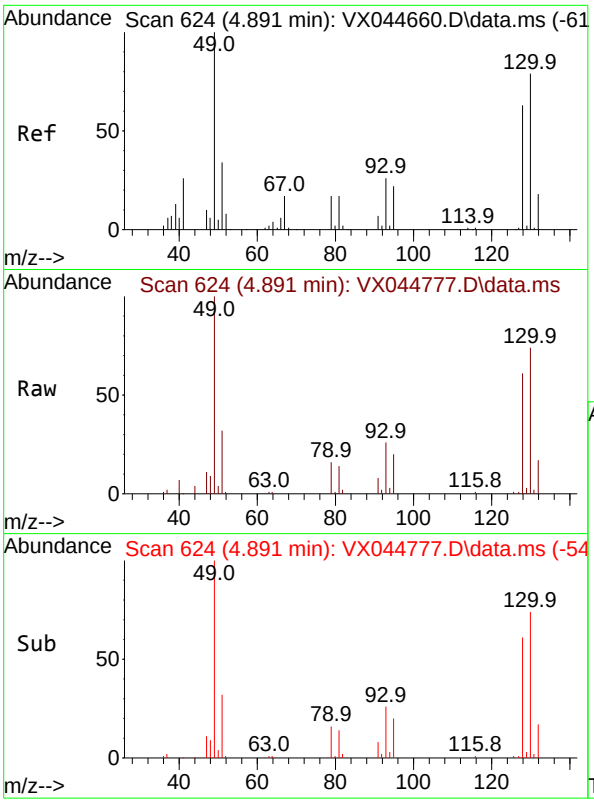
ClientSampleId :

Quant Time: Jan 31 00:41:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration



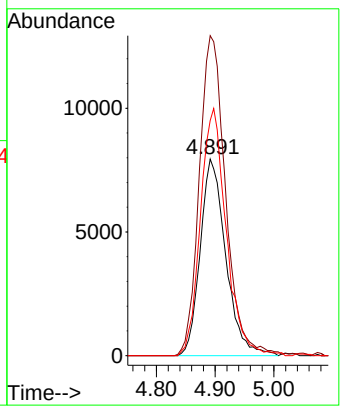


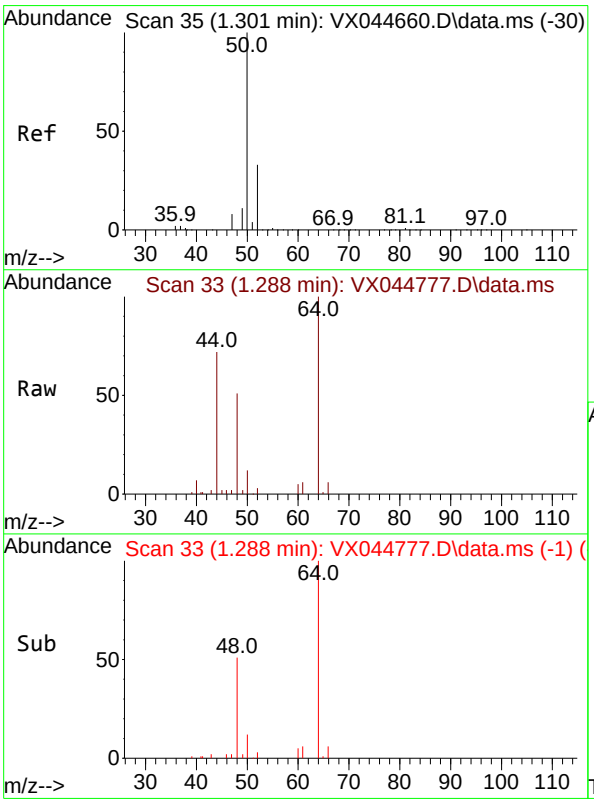
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 24068

Ion	Ratio	Lower	Upper
128	100		
49	164.8	0.0	411.5
130	126.2	0.0	324.3

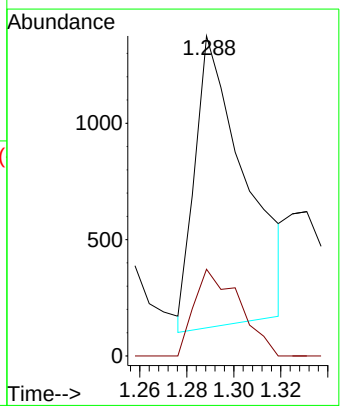


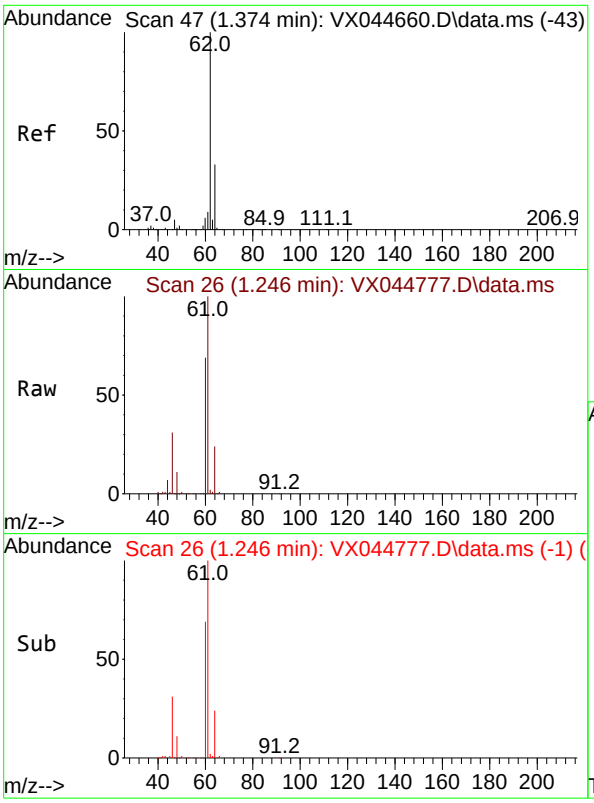


#3
Chloromethane
Concen: 0.821 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.012 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Tgt Ion: 50 Resp: 1847

Ion	Ratio	Lower	Upper
50	100		
52	31.0	26.5	39.7



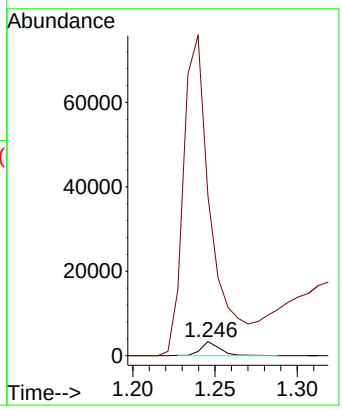


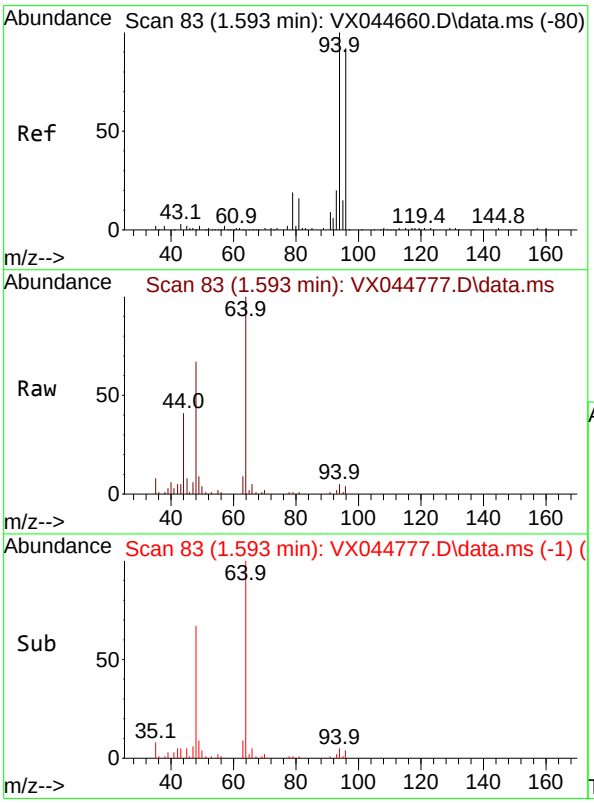
#4
Vinyl Chloride
Concen: 1.219 ug/l
RT: 1.246 min Scan# 2
Delta R.T. -0.128 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 62 Resp: 2685

Ion	Ratio	Lower	Upper
62	100		
64	806.0	27.3	40.9#

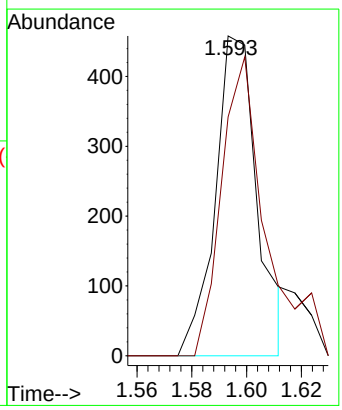


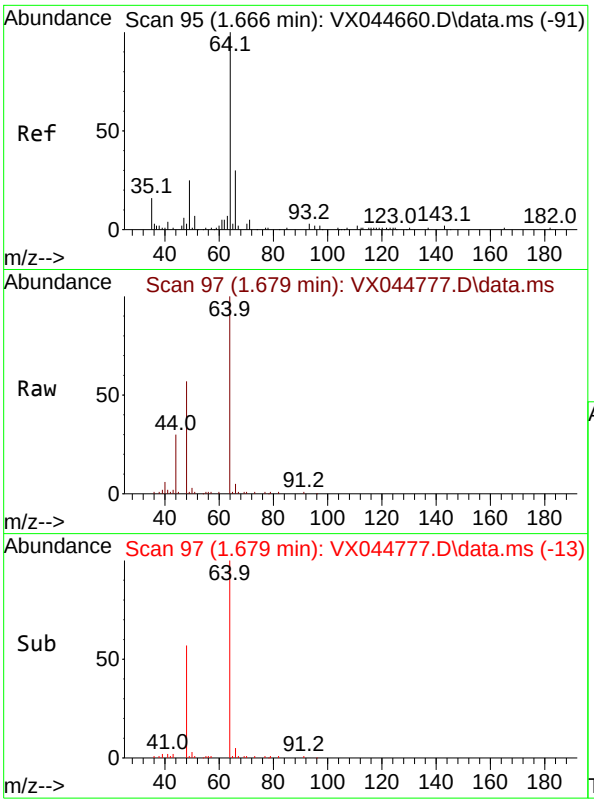


#5
Bromomethane
Concen: 0.922 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Tgt Ion: 94 Resp: 491

Ion	Ratio	Lower	Upper
94	100		
96	74.7	73.3	109.9



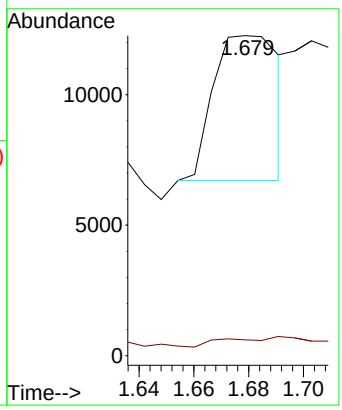


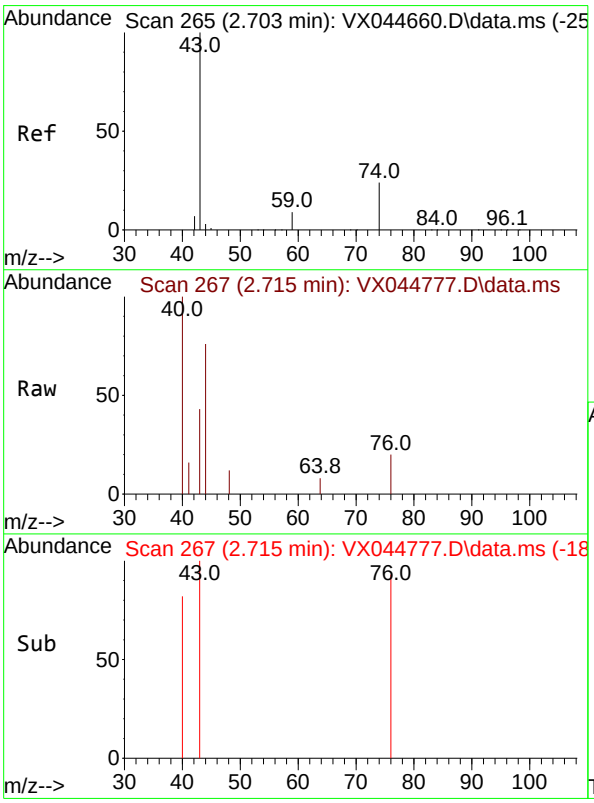
#6
Chloroethane
Concen: 26.193 ug/l
RT: 1.679 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 64 Resp: 9147

Ion	Ratio	Lower	Upper
64	100		
66	4.3	23.8	35.6#

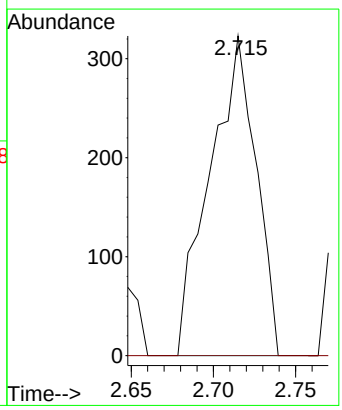


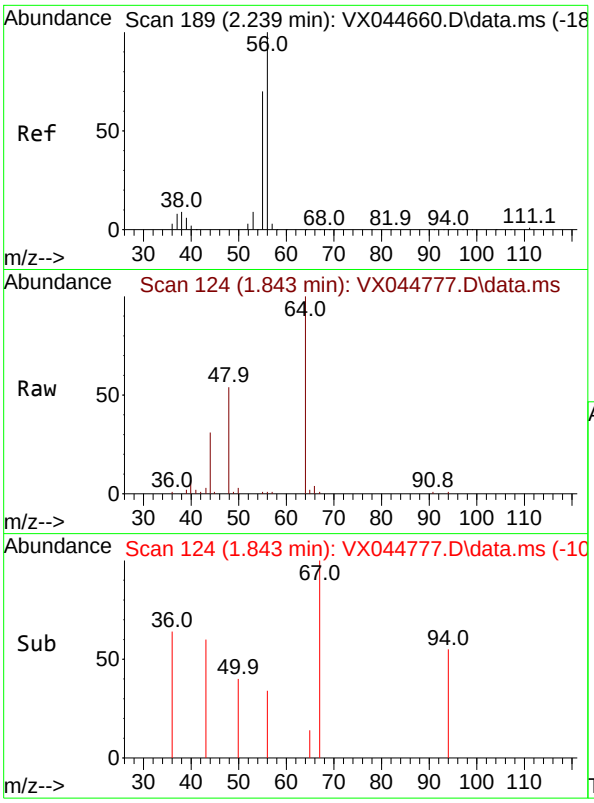


#12
Methyl Acetate
Concen: 0.243 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Tgt Ion: 43 Resp: 630

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.4	29.2#



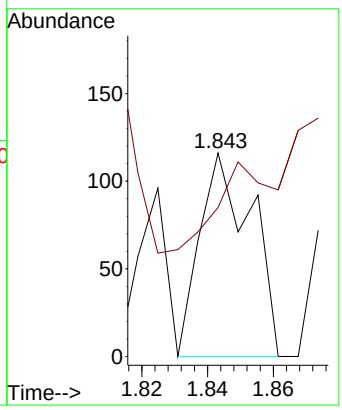


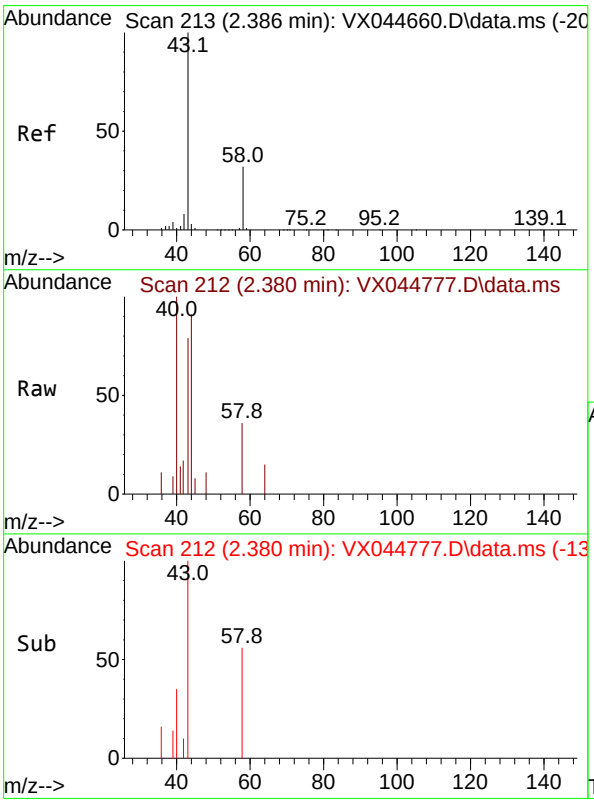
#13
Acrolein
Concen: 0.439 ug/l
RT: 1.843 min Scan# 1
Delta R.T. -0.396 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 56 Resp: 126

Ion	Ratio	Lower	Upper
56	100		
55	71.4	57.5	86.3

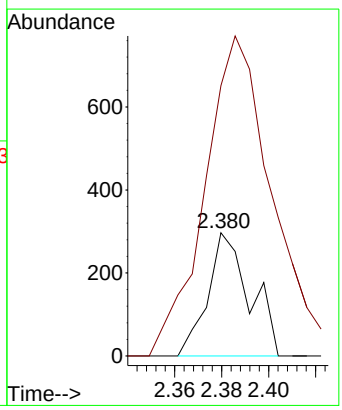


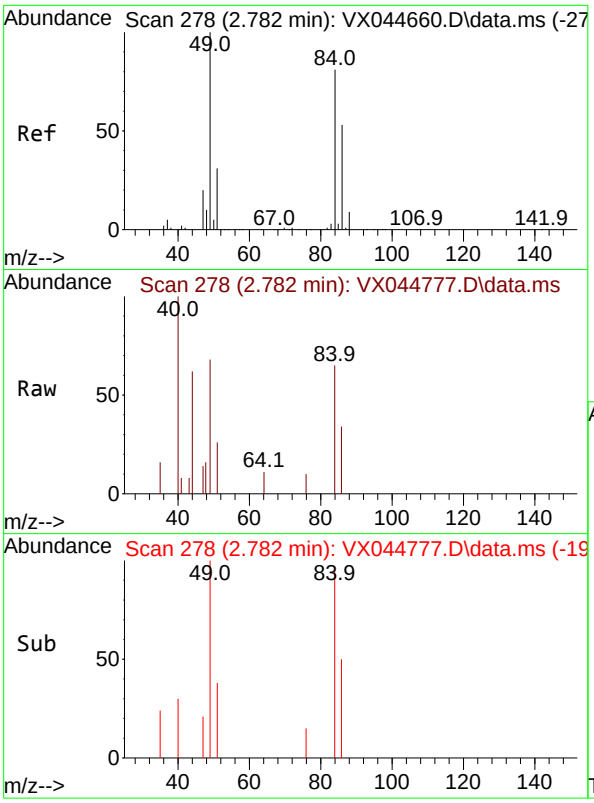


#15
Acetone
Concen: 1.454 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Tgt Ion: 58 Resp: 369

Ion	Ratio	Lower	Upper
58	100		
43	169.7	251.0	376.4#



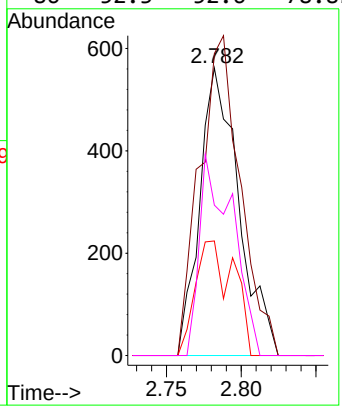


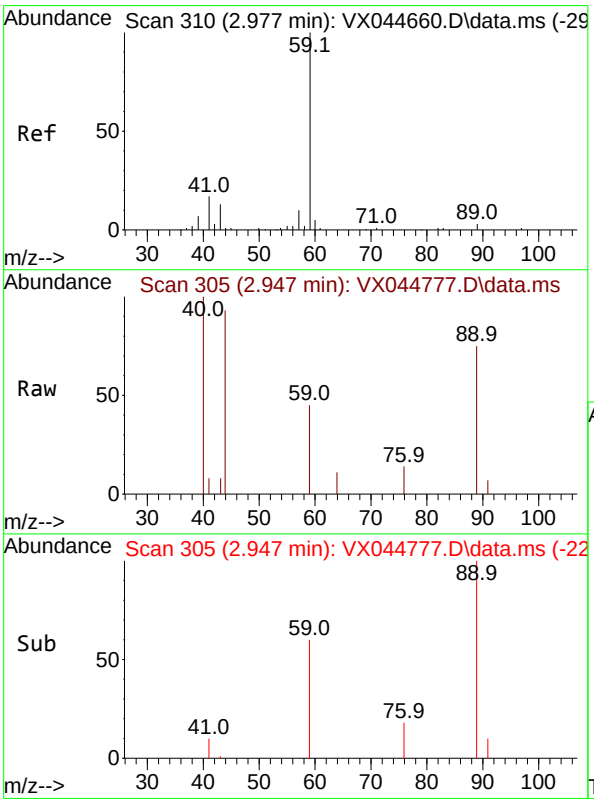
#18
Methylene Chloride
Concen: 0.512 ug/l
RT: 2.782 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 84 Resp: 1019

Ion	Ratio	Lower	Upper
84	100		
49	105.0	98.3	147.5
51	39.9	30.6	46.0
86	52.3	52.6	78.8#

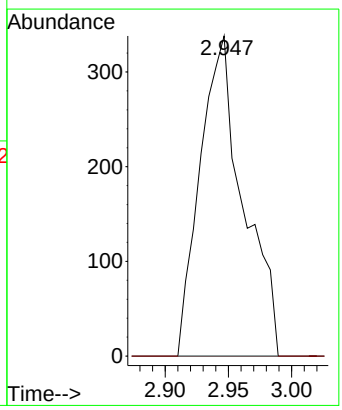


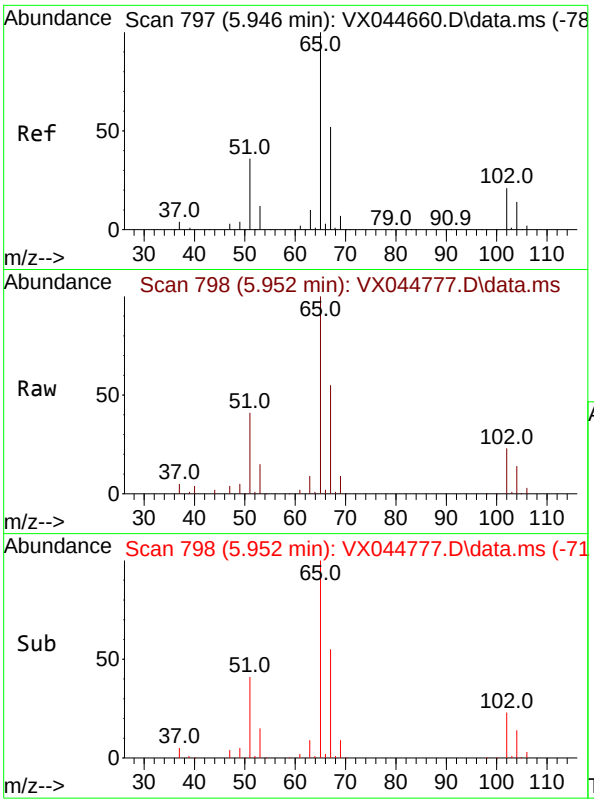


#23
tert-Butyl Alcohol
Concen: 1.758 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Tgt Ion: 59 Resp: 804

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#



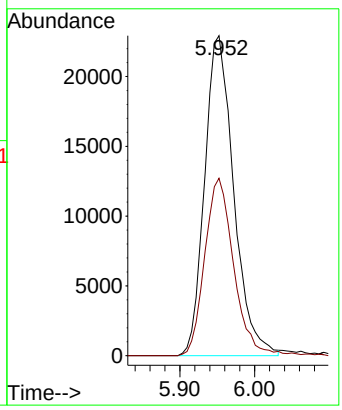


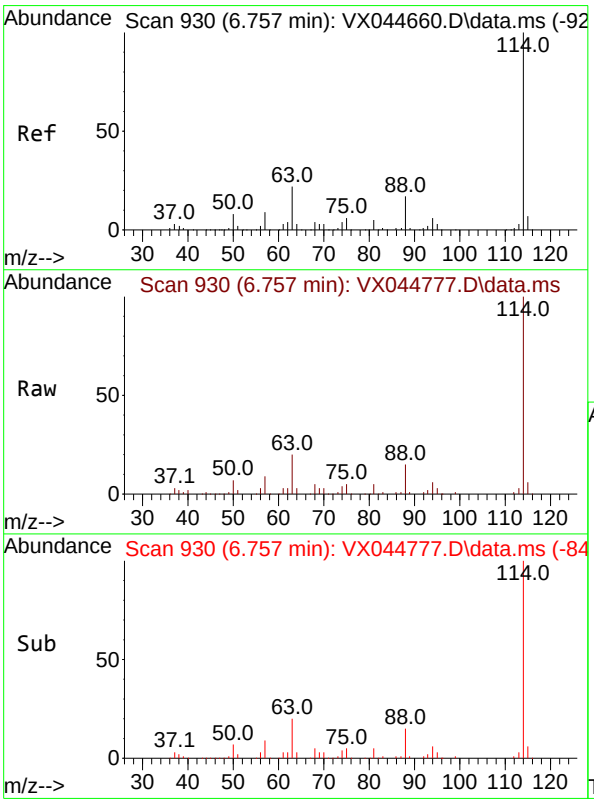
#27
1,2-Dichloroethane-d4
Concen: 26.715 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 65 Resp: 62073

Ion	Ratio	Lower	Upper
65	100		
67	55.0	41.4	62.2

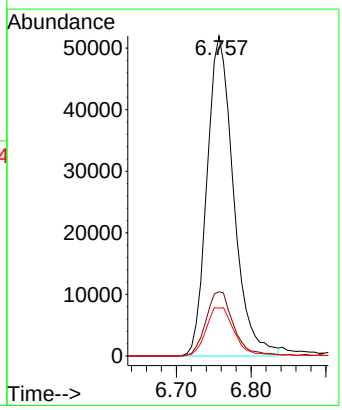


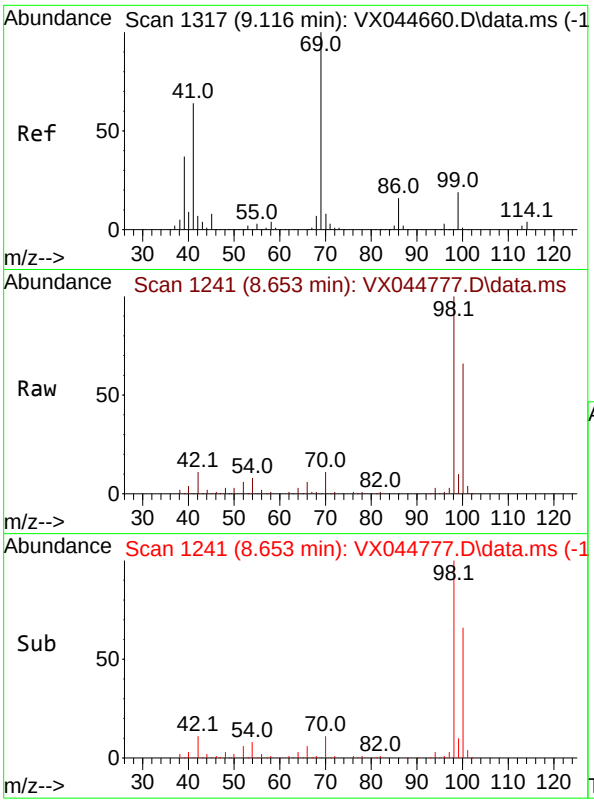


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Tgt Ion:114 Resp: 128488

Ion	Ratio	Lower	Upper
114	100		
63	20.8	16.6	24.8
88	16.0	13.4	20.2



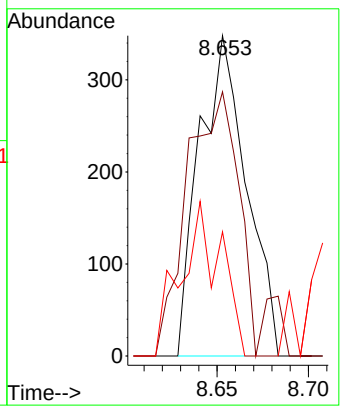


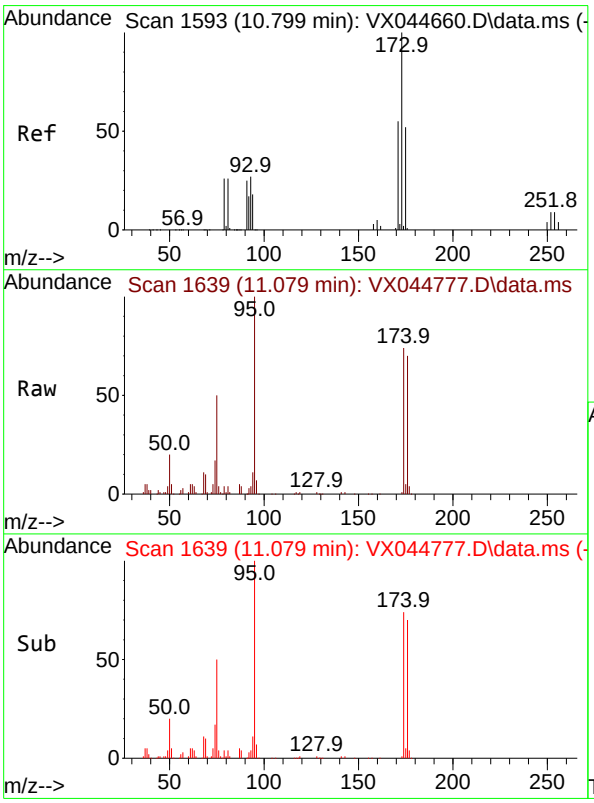
#51
Ethyl methacrylate
Concen: 0.211 ug/l
RT: 8.653 min Scan# 1
Delta R.T. -0.463 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 69 Resp: 624

Ion	Ratio	Lower	Upper
69	100		
41	63.8	32.0	96.0
39	38.8	18.6	55.6

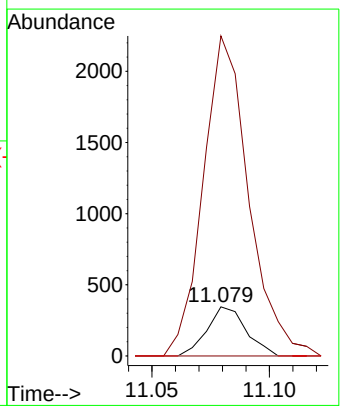


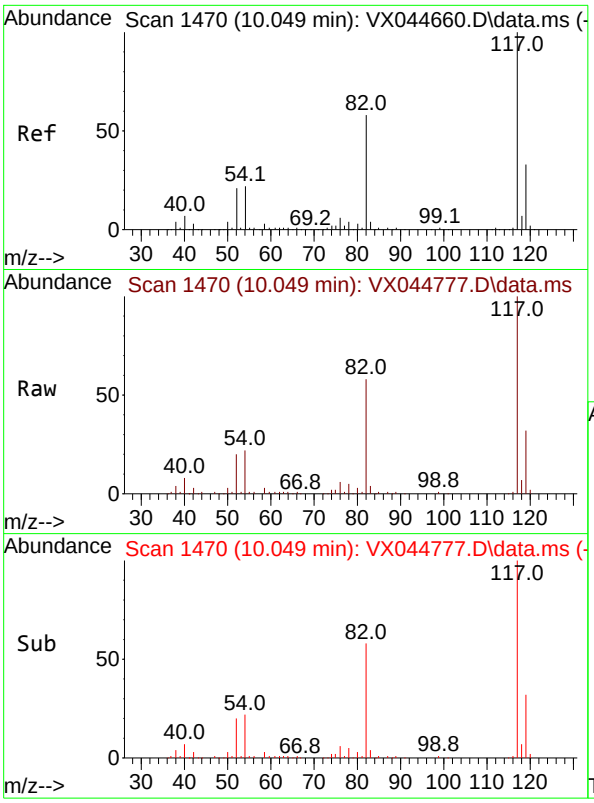


#56
Bromoform
Concen: 0.297 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Tgt Ion:173 Resp: 401

Ion	Ratio	Lower	Upper
173	100		
175	756.6	39.0	58.6#
254	0.0	6.5	9.7#



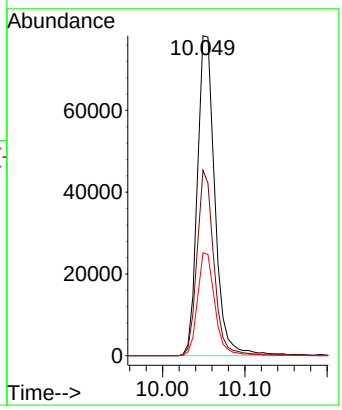


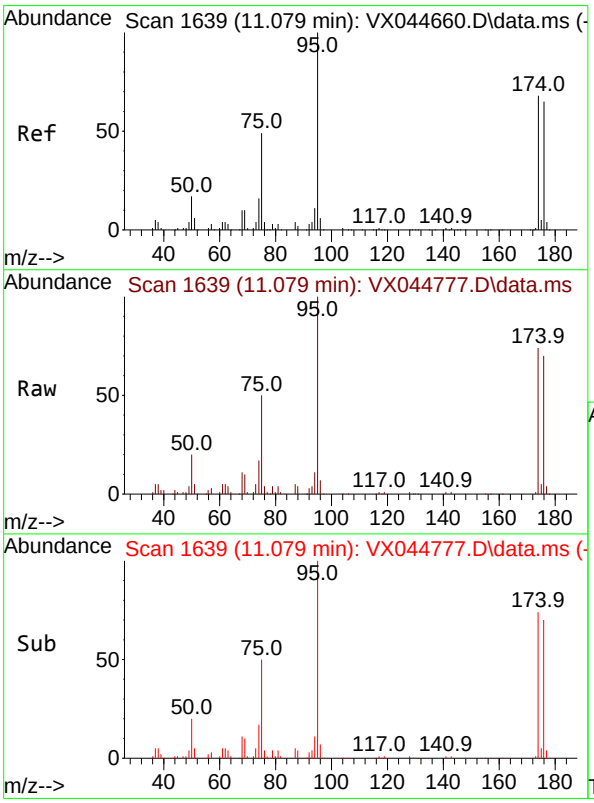
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 116134

Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.8	68.6
119	31.9	25.8	38.6

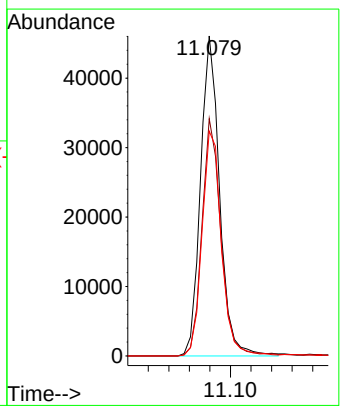


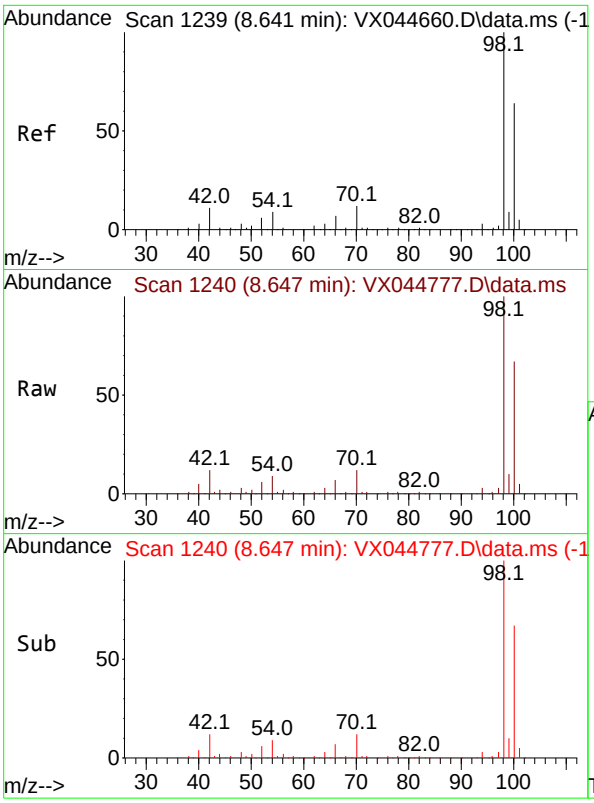


#60
4-Bromofluorobenzene
Concen: 26.382 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Tgt Ion: 95 Resp: 59509

Ion	Ratio	Lower	Upper
95	100		
174	73.1	54.6	81.8
176	71.4	52.8	79.2



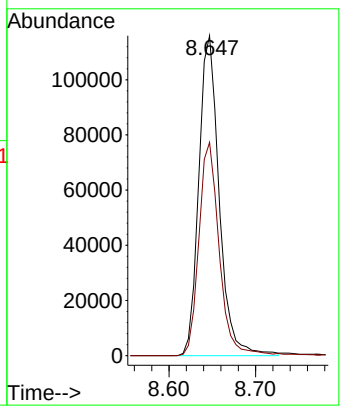


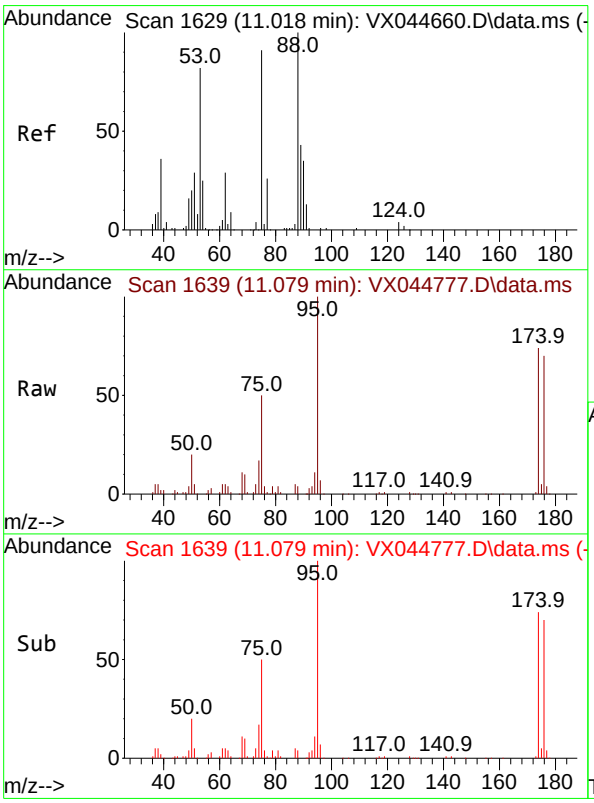
#63
Toluene-d8
Concen: 30.020 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 189624

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.6	80.4





#77
t-1,4-Dichloro-2-butene
Concen: 28.206 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044777.D
Acq: 30 Jan 2025 12:46

Tgt Ion: 75 Resp: 29210

Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.3	135.9#
89	0.0	23.8	71.2#