Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052824\
Data File : VX041658.D
Acq On : 28 May 2024 12:25
Operator : JC/MD
Sample : P2618-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 29 05:39:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.904	128	25016	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	140030	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	124633	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	61388	31.162	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.867%			
60) 4-Bromofluorobenzene	11.079	95	54318	27.918	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.067%			
63) Toluene-d8	8.647	98	157321	29.447	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.167%			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	457	0.319	ug/l #	42
5) Bromomethane	1.599	94	279	0.291	ug/l #	47
6) Chloroethane	1.691	64	384	0.503	ug/l #	49
15) Acetone	2.392	58	1505	6.628	ug/l	97
17) Allyl chloride	2.654	41	1025	0.451	ug/l #	50
18) Methylene Chloride	2.782	84	653	0.429	ug/l #	74
23) tert-Butyl Alcohol	3.008	59	290	0.806	ug/l #	100
25) Chloroform	5.099	83	3276	1.148	ug/l	91
30) 2-Butanone	4.611	43	954	0.776	ug/l #	74
35) Methacrylonitrile	5.032	41	290	0.234	ug/l #	48
45) 1,4-Dioxane	7.690	88	240	5.934	ug/l #	68
77) t-1,4-Dichloro-2-butene	11.079	75	28069	42.085	ug/l #	1

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

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Quant Time: May 29 05:39:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
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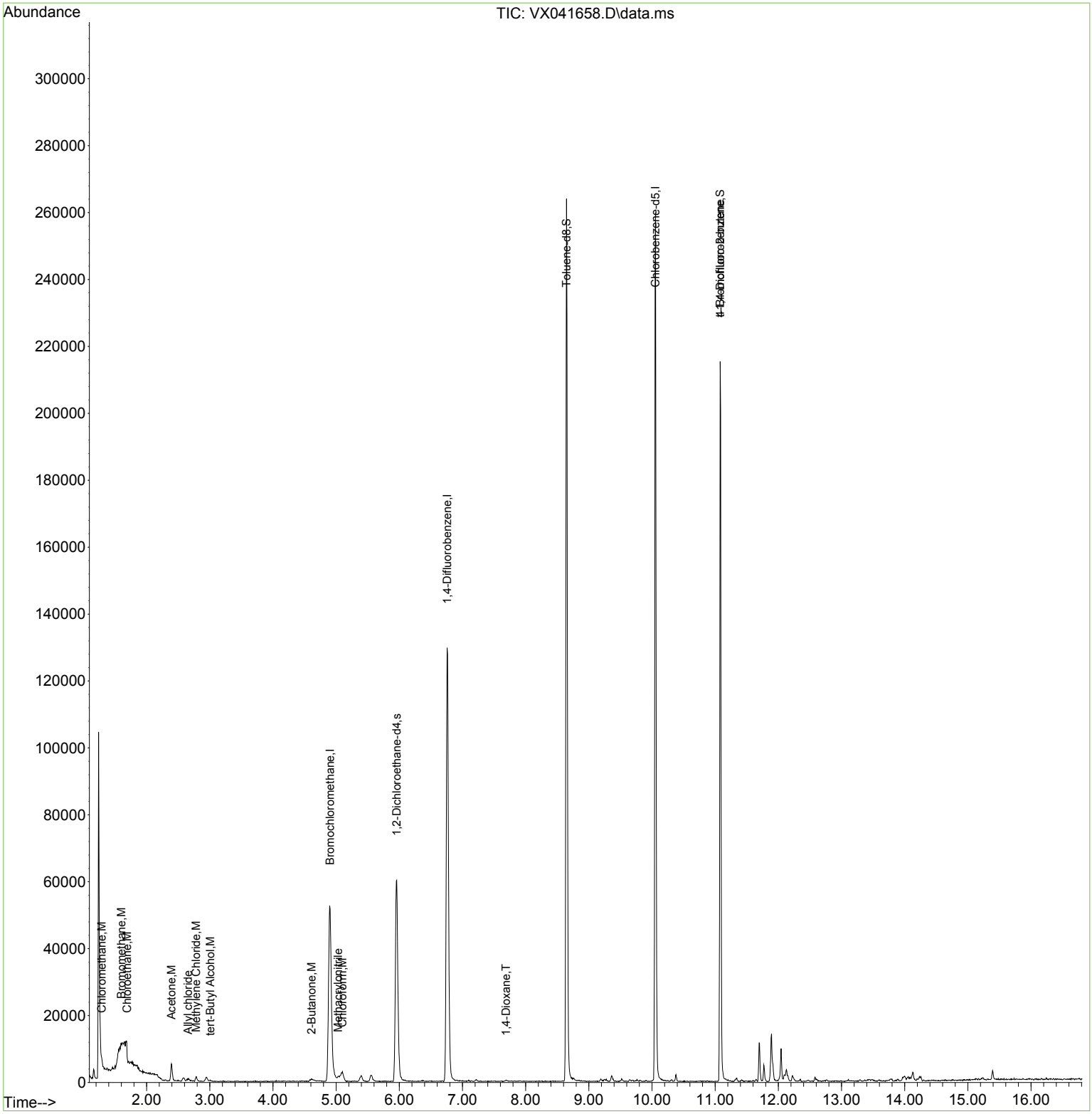
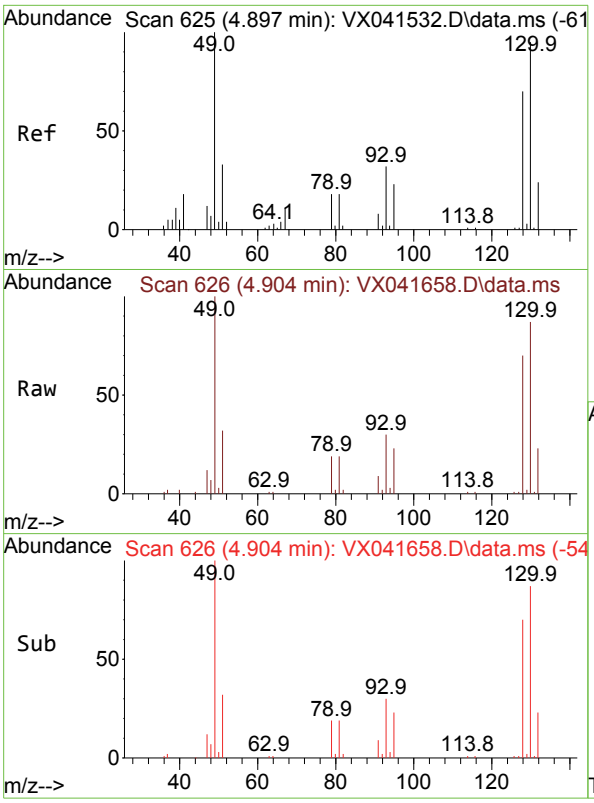


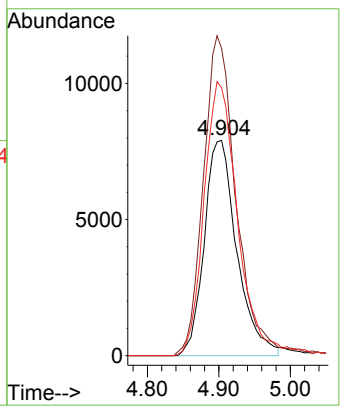


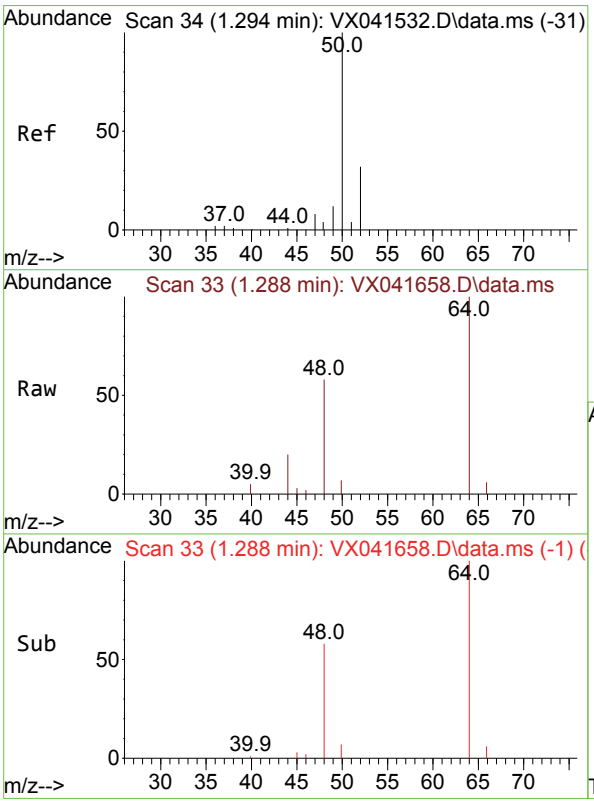
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.007 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 25016

Ion	Ratio	Lower	Upper
128	100		
49	148.2	0.0	361.5
130	132.1	0.0	324.3

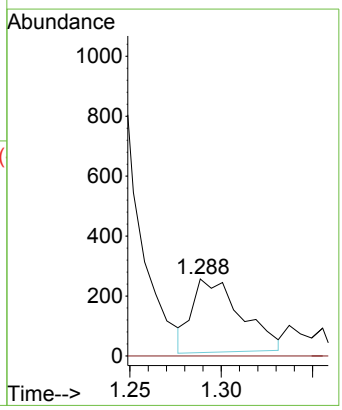


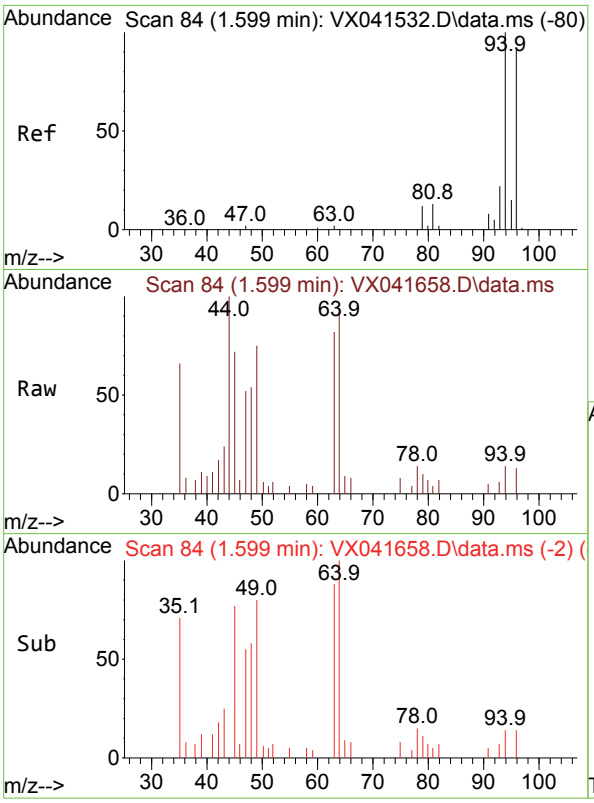


#3
Chloromethane
Concen: 0.319 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Tgt Ion: 50 Resp: 457

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.8	38.8#



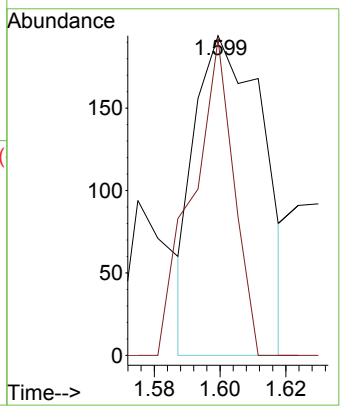


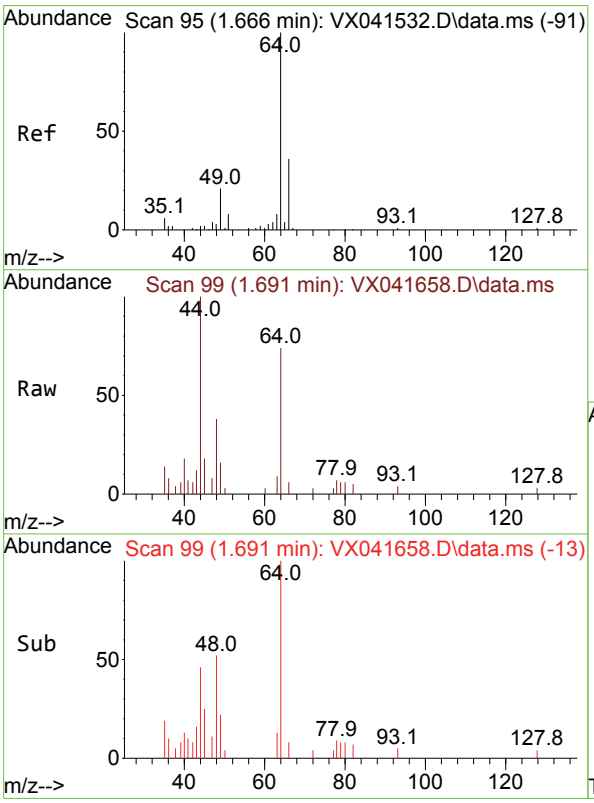
#5
Bromomethane
Concen: 0.291 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 94 Resp: 279

Ion	Ratio	Lower	Upper
94	100		
96	143.3	73.9	110.9#

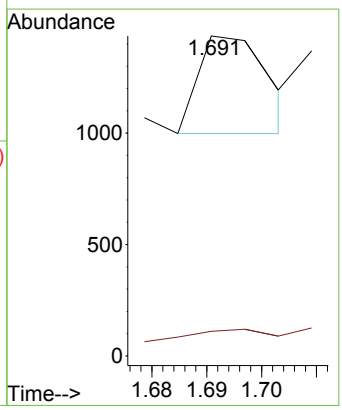


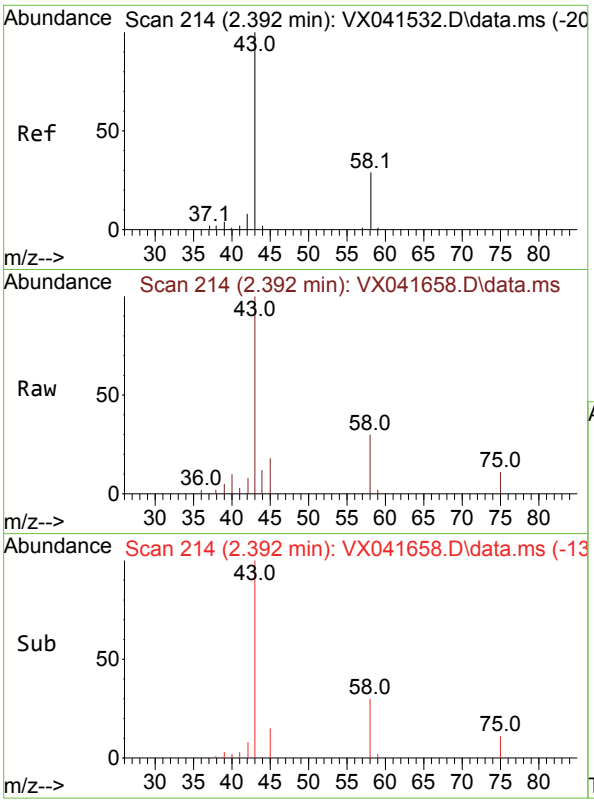


#6
Chloroethane
Concen: 0.503 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.025 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Tgt Ion: 64 Resp: 384

Ion	Ratio	Lower	Upper
64	100		
66	5.9	28.6	42.8#



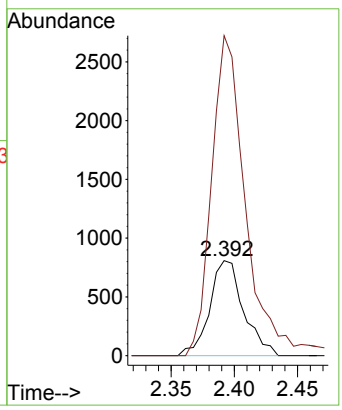


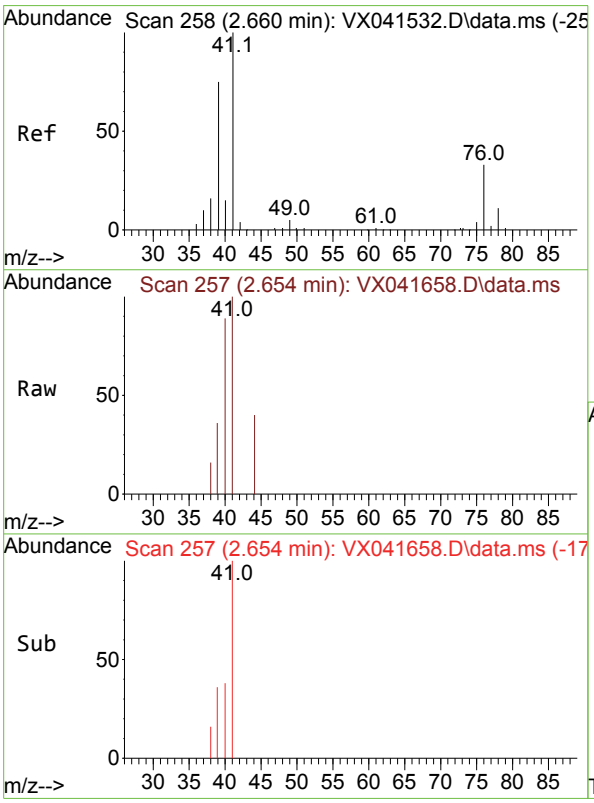
#15
Acetone
Concen: 6.628 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 58 Resp: 1505

Ion	Ratio	Lower	Upper
58	100		
43	336.6	274.0	411.0

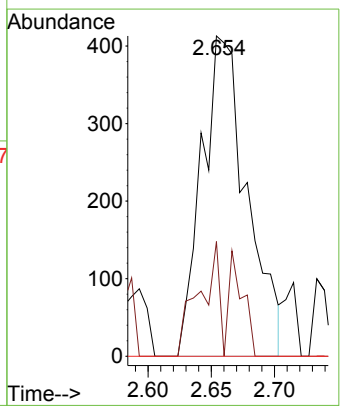


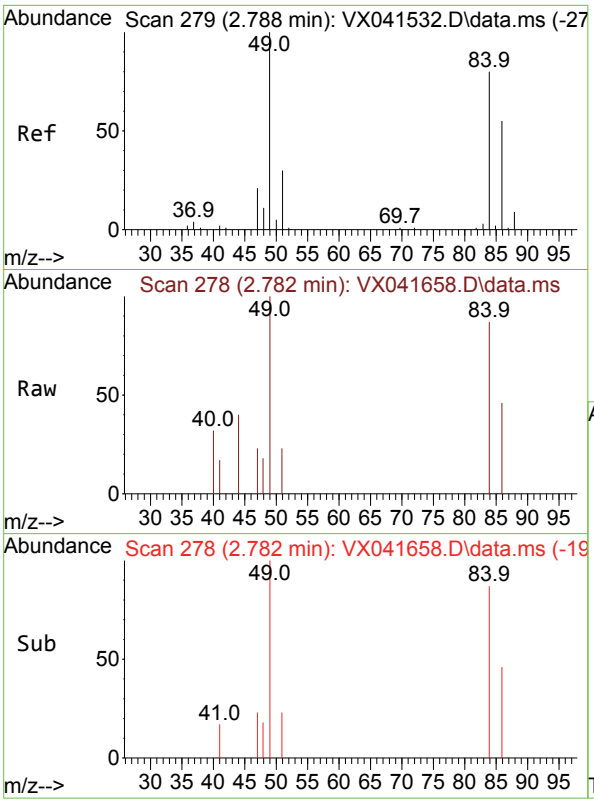


#17
Allyl chloride
Concen: 0.451 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Tgt Ion: 41 Resp: 1025

Ion	Ratio	Lower	Upper
41	100		
39	35.8	37.5	112.7#
76	0.0	16.6	49.8#



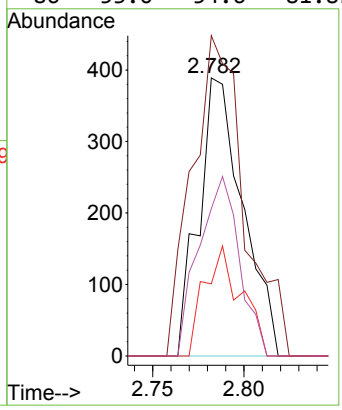


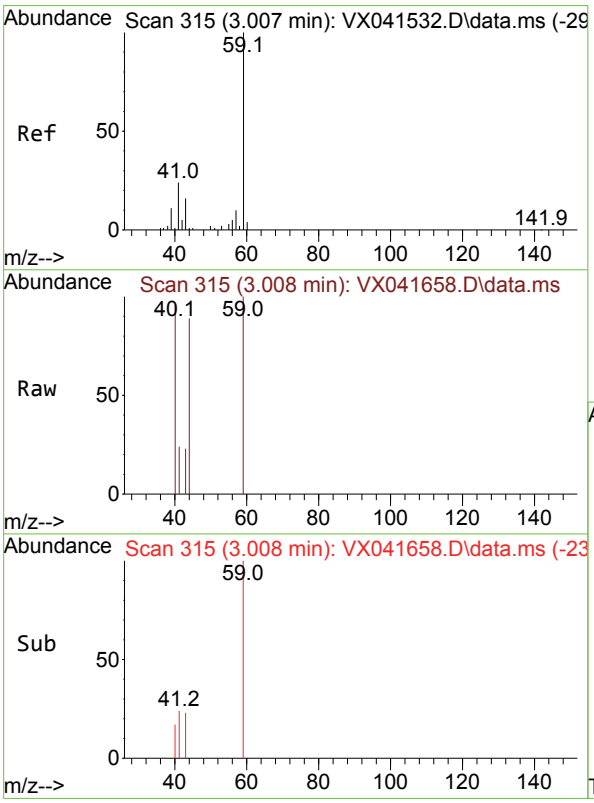
#18
Methylene Chloride
Concen: 0.429 ug/l
RT: 2.782 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 84 Resp: 653

Ion	Ratio	Lower	Upper
84	100		
49	87.7	99.8	149.8#
51	26.0	30.2	45.4#
86	53.0	54.6	81.8#

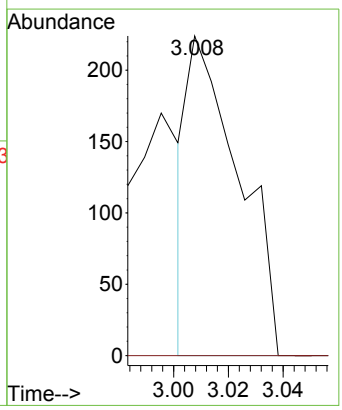


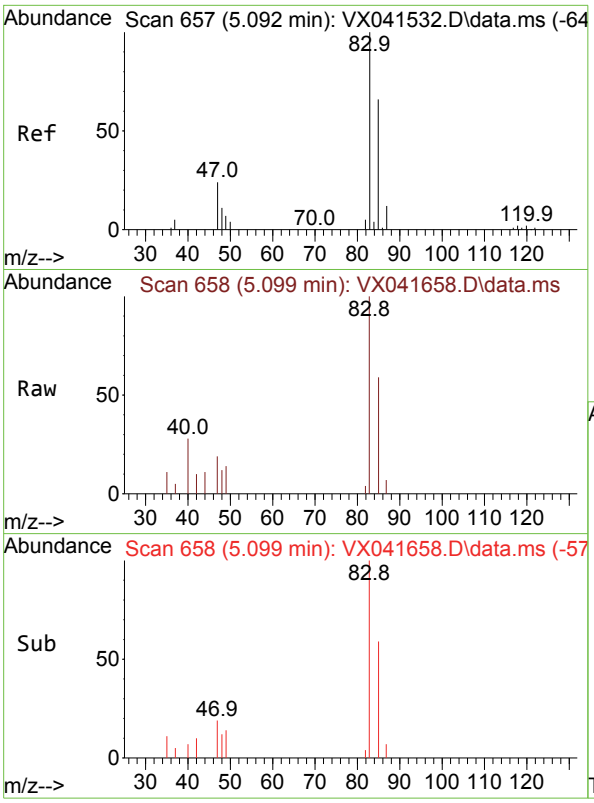


#23
tert-Butyl Alcohol
Concen: 0.806 ug/l
RT: 3.008 min Scan# 315
Delta R.T. 0.000 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Tgt Ion: 59 Resp: 290

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



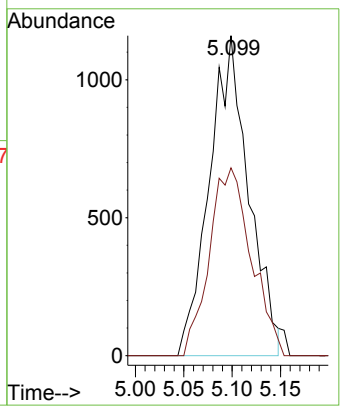


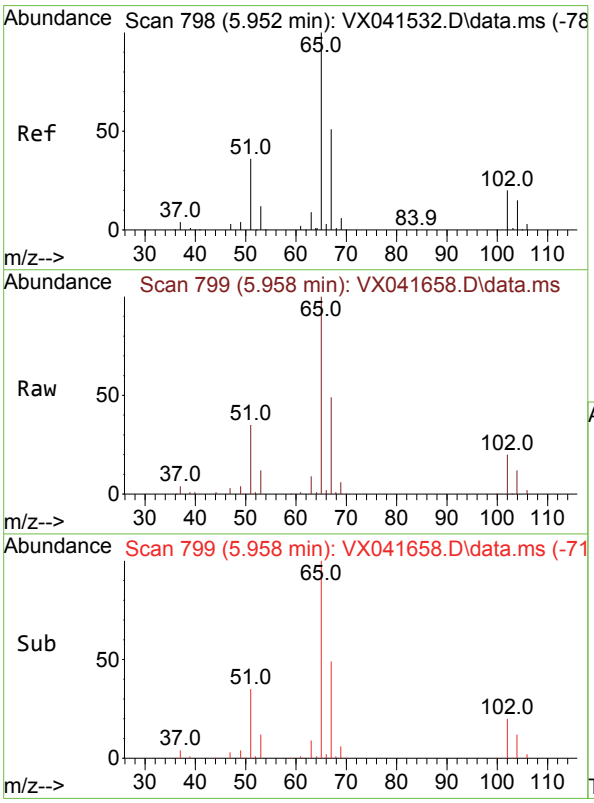
#25
Chloroform
Concen: 1.148 ug/l
RT: 5.099 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 83 Resp: 3276

Ion	Ratio	Lower	Upper
83	100		
85	58.7	52.9	79.3

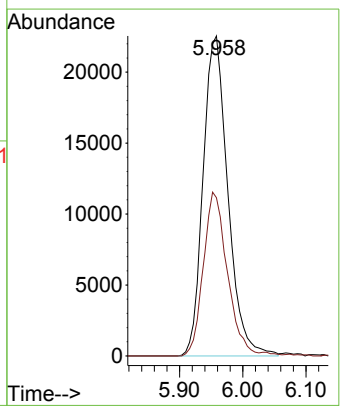


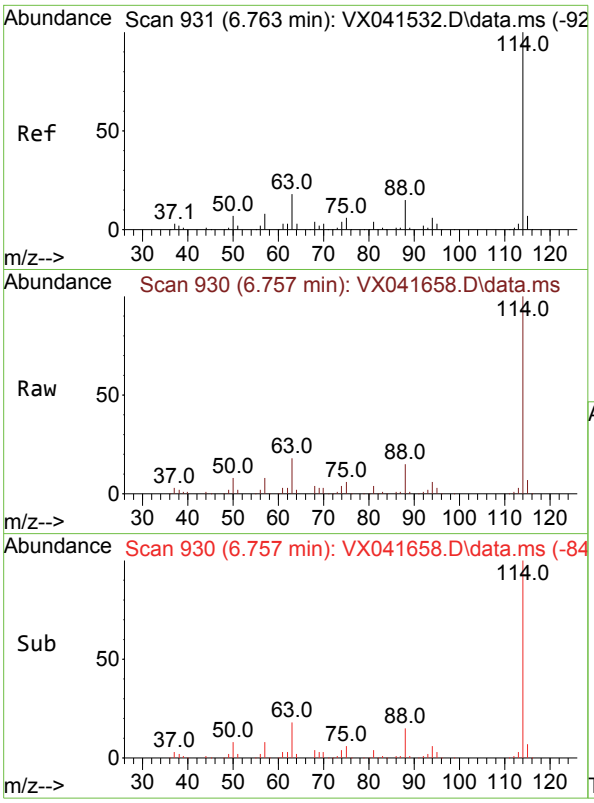


#27
1,2-Dichloroethane-d4
Concen: 31.162 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Tgt Ion: 65 Resp: 61388

Ion	Ratio	Lower	Upper
65	100		
67	49.4	40.8	61.2



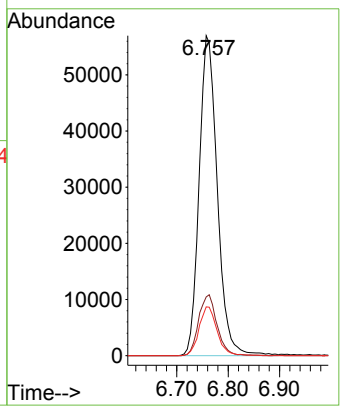


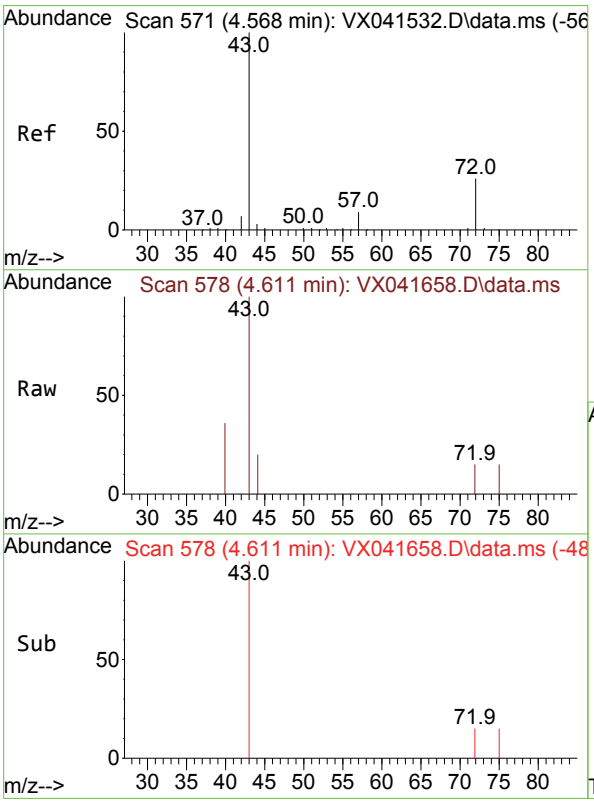
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:114 Resp: 140030

Ion	Ratio	Lower	Upper
114	100		
63	19.1	15.4	23.0
88	15.1	12.2	18.2

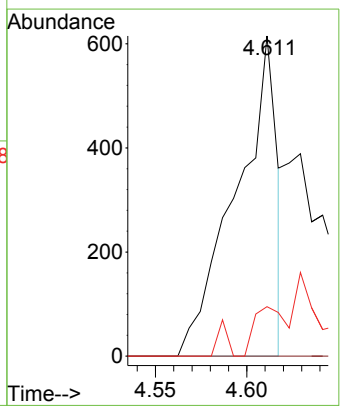


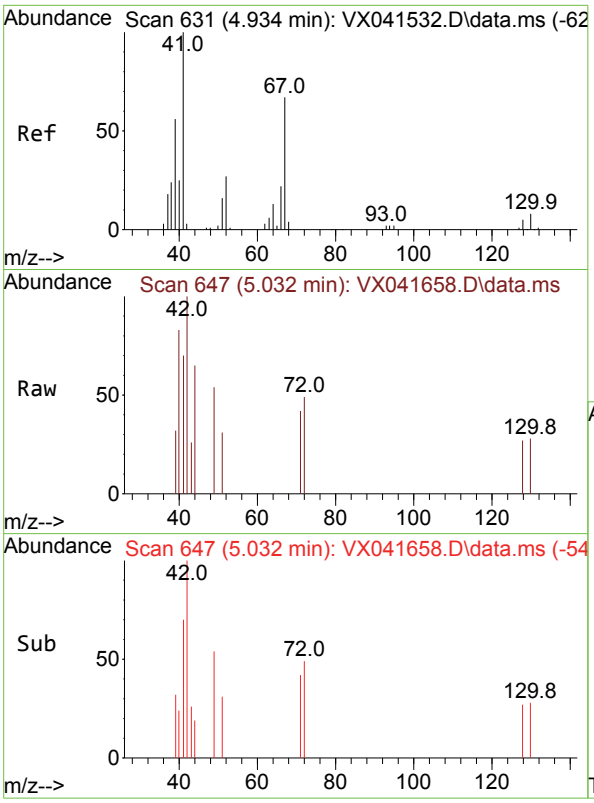


#30
2-Butanone
Concen: 0.776 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.043 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Tgt Ion: 43 Resp: 954

Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.6	10.0#
72	12.1	20.7	31.1#



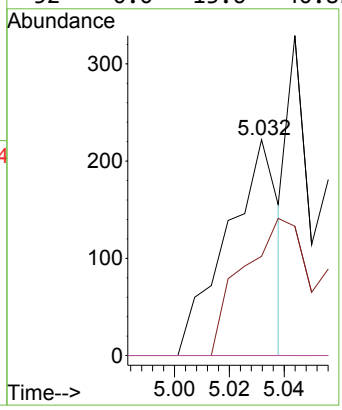


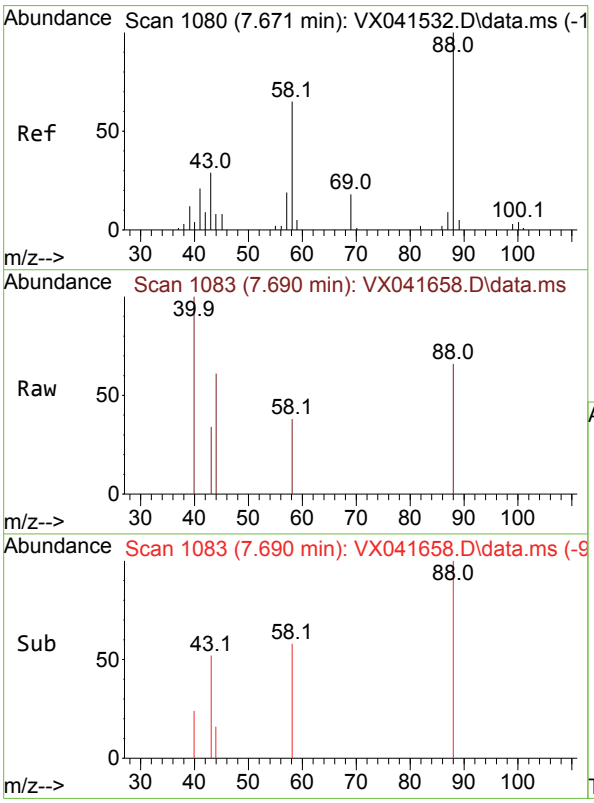
#35
Methacrylonitrile
Concen: 0.234 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.098 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 41 Resp: 290

Ion	Ratio	Lower	Upper
41	100		
39	45.9	28.1	84.4
67	0.0	33.7	101.1#
52	0.0	13.6	40.8#

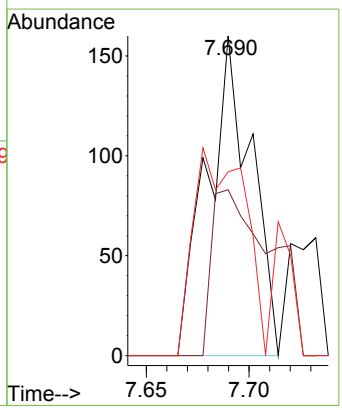


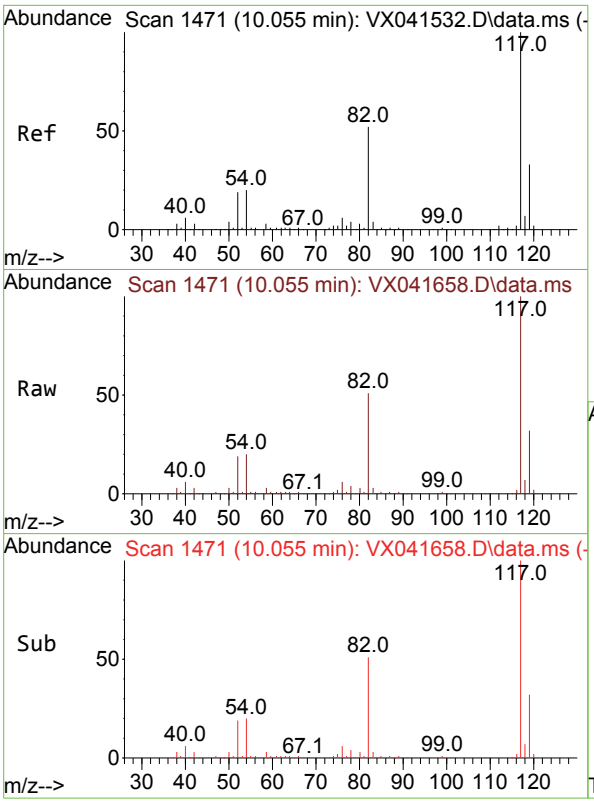


#45
1,4-Dioxane
Concen: 5.934 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.019 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Tgt Ion: 88 Resp: 240

Ion	Ratio	Lower	Upper
88	100		
43	52.5	24.9	37.3#
58	37.5	47.0	70.4#



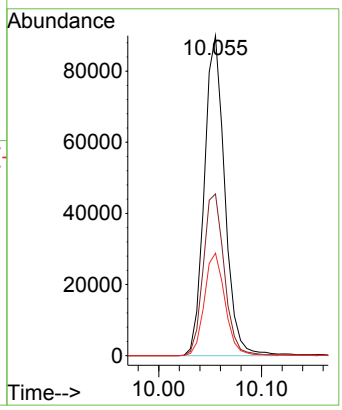


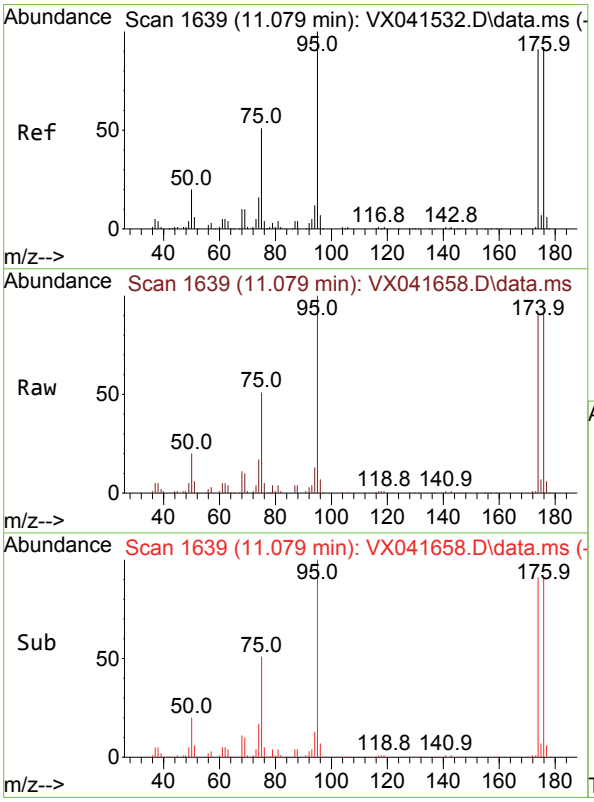
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 124633

Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.7	62.5
119	32.6	25.7	38.5

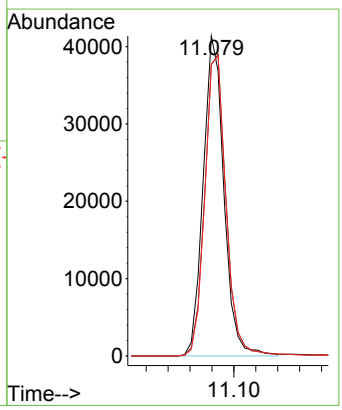


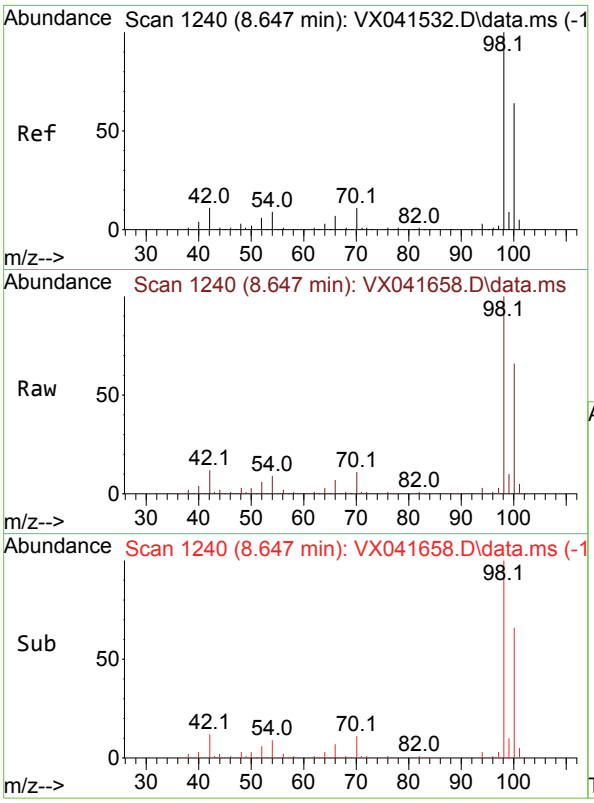


#60
4-Bromofluorobenzene
Concen: 27.918 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Tgt Ion: 95 Resp: 54318

Ion	Ratio	Lower	Upper
95	100		
174	97.1	76.6	115.0
176	95.2	75.4	113.0



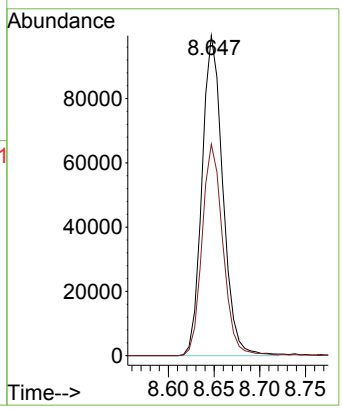


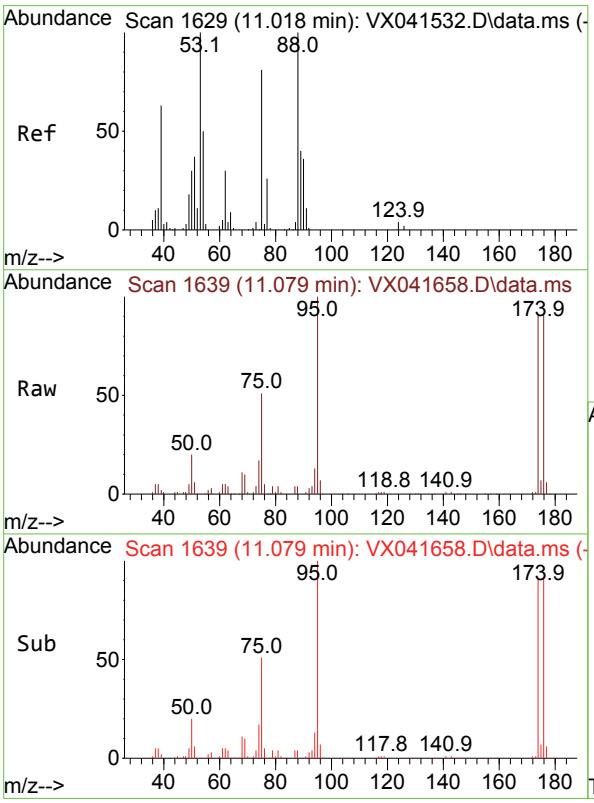
#63
Toluene-d8
Concen: 29.447 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 157321

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.1	79.7





#77
t-1,4-Dichloro-2-butene
Concen: 42.085 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041658.D
Acq: 28 May 2024 12:25

Tgt Ion: 75 Resp: 28069

Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.8	185.3#
89	0.0	24.9	74.7#