Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
Data File : VL041098.D
Acq On : 12 Mar 2024 14:27
Operator : SY/MD
Sample : P1718-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Mar 13 01:29:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Mar 13 01:22:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.195	49	1215766	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3065308	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2562649	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1967906	9.822	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	74751	0.323	ppbv	92
3) Chlorodifluoromethane	2.671	51	119901	0.671	ppbv #	83
4) Chloromethane	2.809	50	35897	0.531	ppbv	96
9) Propene	2.700	41	55695	0.937	ppbv #	77
11) Trichlorofluoromethane	3.565	101	40801	0.228	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.070	101	7212	0.055	ppbv #	57
13) Ethanol	3.240	45	161804	10.211	ppbv	94
15) Acetone	3.468	43	581436	4.198	ppbv	97
16) 1,3-Butadiene	2.983	39	2242	0.036	ppbv #	1
17) tert-Butyl alcohol	3.890	59	3632	0.035	ppbv #	70
19) Isopropyl Alcohol	3.587	45	109849	1.485	ppbv #	92
20) Methylene Chloride	3.935	84	1795339	33.249	ppbv	93
23) Vinyl Acetate	4.620	43	12960	0.083	ppbv #	52
25) Ethyl Acetate	5.218	43	1172247	4.698	ppbv #	76
26) Hexane	5.218	57	1671400	14.986	ppbv #	41
30) Cyclohexane	6.603	84	4269	0.046	ppbv #	1
34) 2-Butanone	4.803	43	20566	0.136	ppbv #	78
35) Carbon Tetrachloride	6.494	117	7556	0.042	ppbv #	65
36) Benzene	6.372	78	47293	0.207	ppbv #	92
39) 1,2-Dichloropropane	6.658	63	766487	8.398	ppbv #	22
41) Tetrahydrofuran	5.218	42	632348	7.001	ppbv #	50
44) 2,2,4-Trimethylpentane	7.336	57	12118	0.032	ppbv #	1
53) Toluene	9.233	91	82416	0.335	ppbv	97
59) m/p-Xylene	12.381	91	9998	0.038	ppbv #	32
76) 1,4-Dichlorobenzene	16.484	146	5931	0.037	ppbv #	1

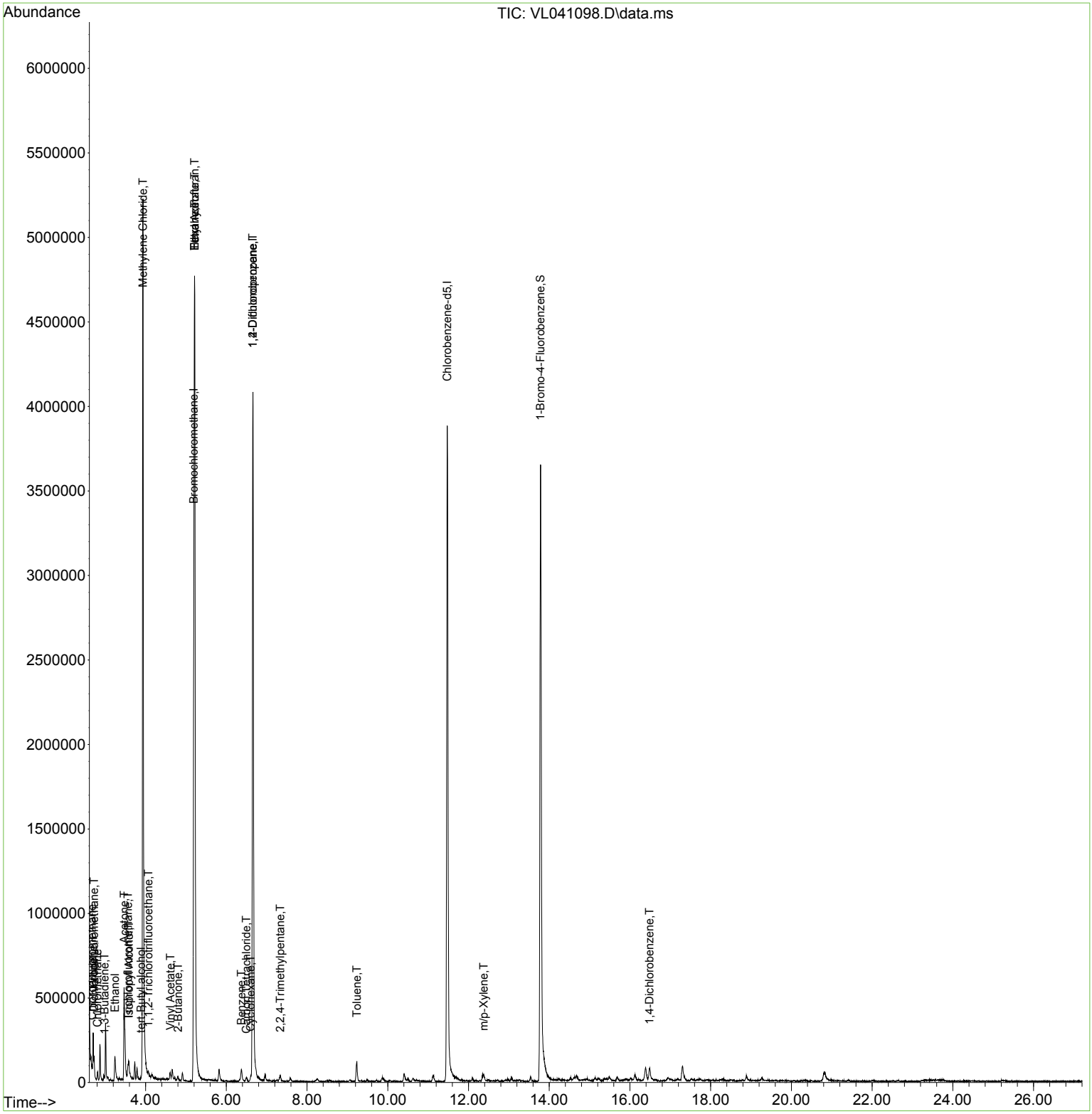
(#) = qualifier out of range (m) = manual integration (+) = signals summed

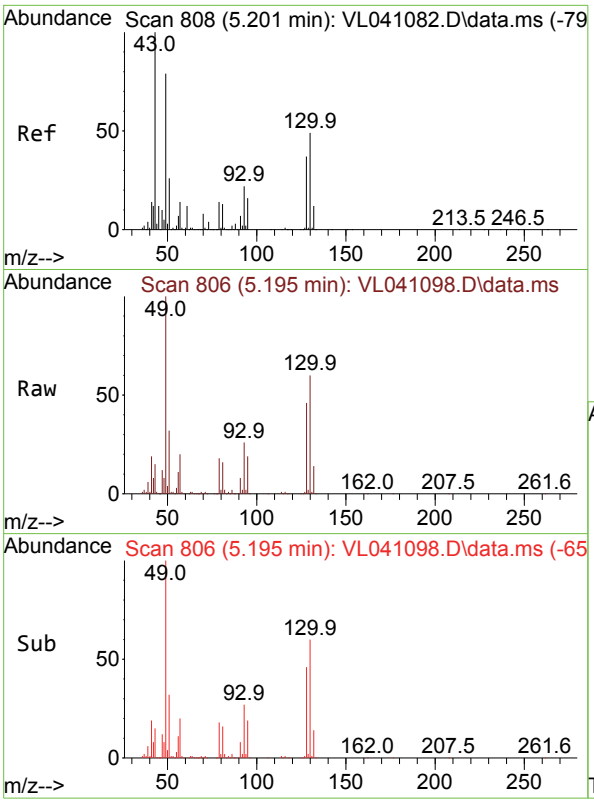
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
Data File : VL041098.D
Acq On : 12 Mar 2024 14:27
Operator : SY/MD
Sample : P1718-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Mar 13 01:29:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Mar 13 01:22:02 2024
Response via : Initial Calibration



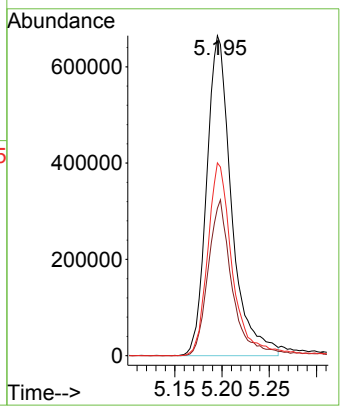


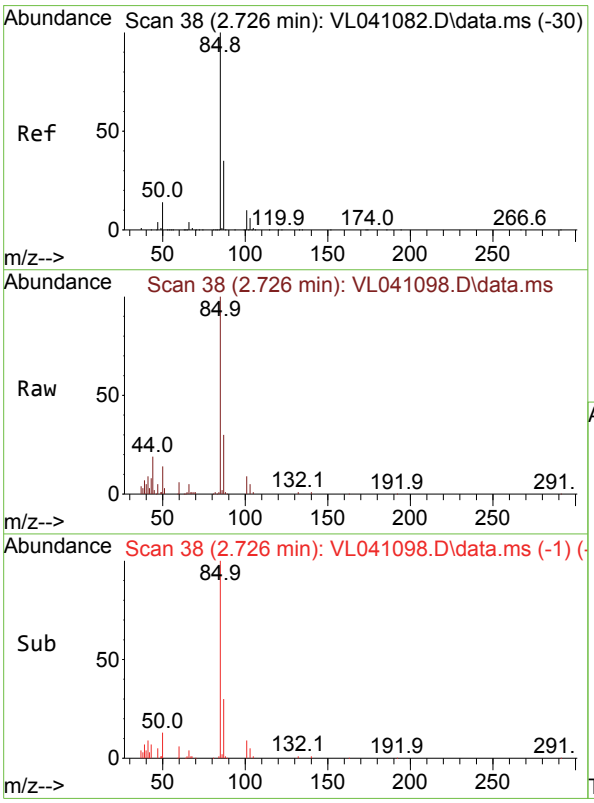
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 49 Resp: 1215766

Ion	Ratio	Lower	Upper
49	100		
128	48.3	23.8	71.5
130	61.5	30.3	90.9

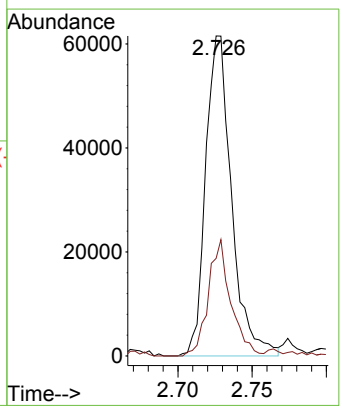


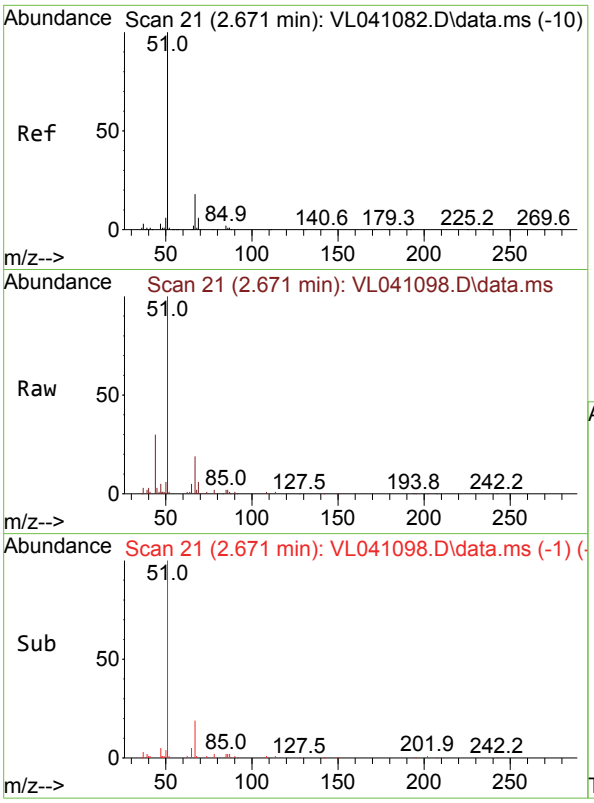


#2
Dichlorodifluoromethane
Concen: 0.323 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.003 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion: 85 Resp: 74751

Ion	Ratio	Lower	Upper
85	100		
87	30.5	28.1	42.1



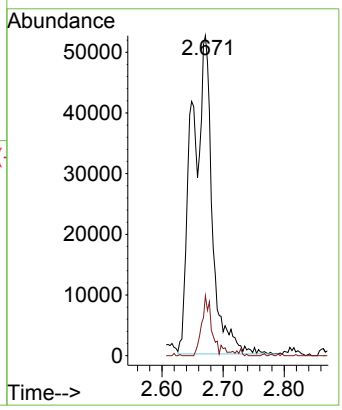


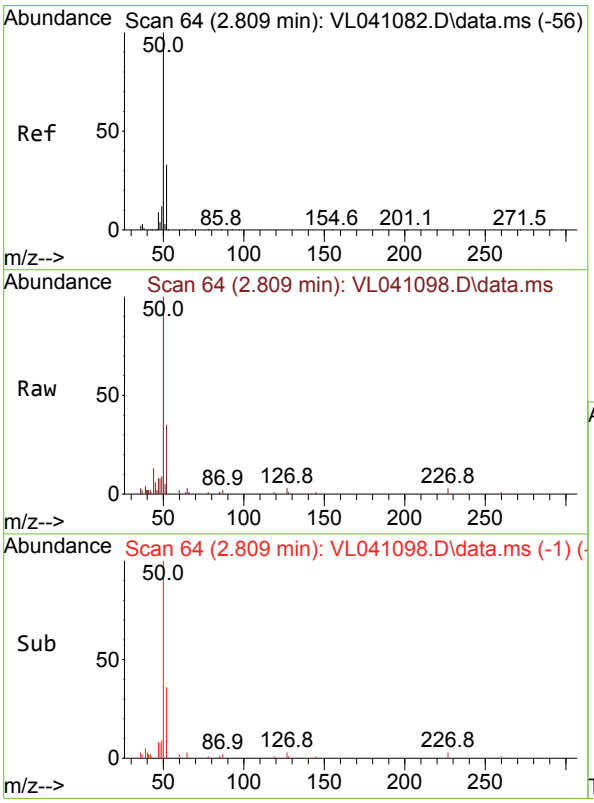
#3
Chlorodifluoromethane
Concen: 0.671 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 51 Resp: 119901

Ion	Ratio	Lower	Upper
51	100		
67	10.5	14.5	21.7#

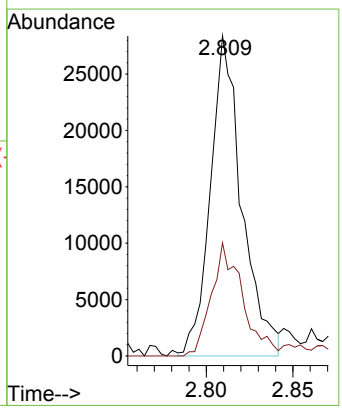


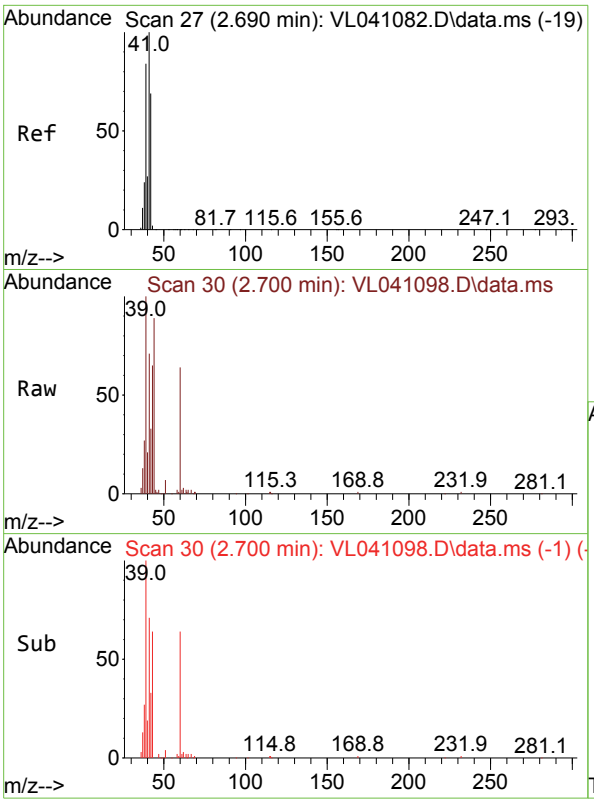


#4
Chloromethane
Concen: 0.531 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion: 50 Resp: 35897

Ion	Ratio	Lower	Upper
50	100		
52	35.7	26.6	40.0



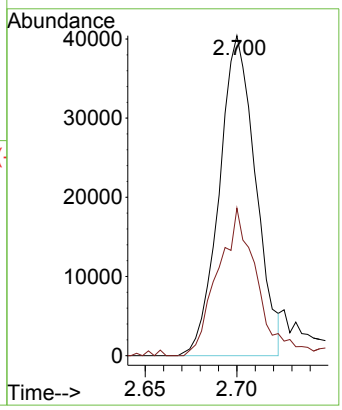


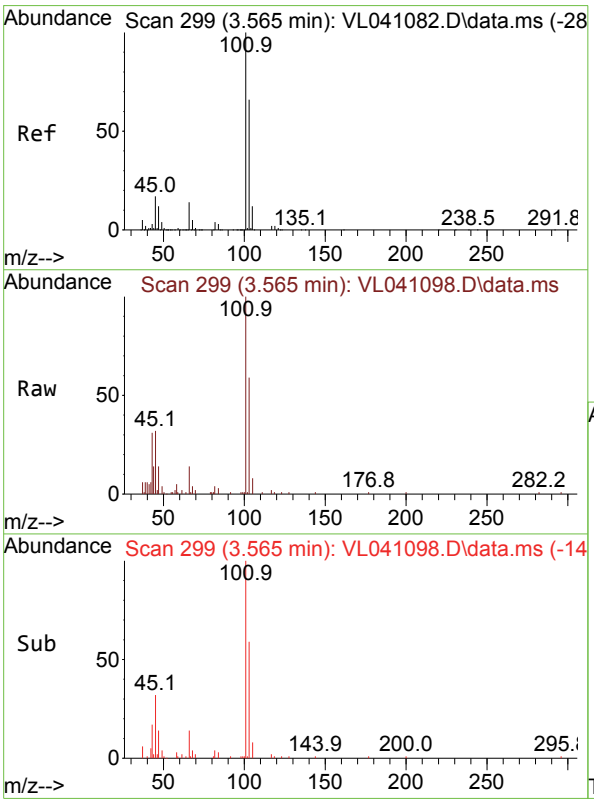
#9
Propene
Concen: 0.937 ppbv
RT: 2.700 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 41 Resp: 55695

Ion	Ratio	Lower	Upper
41	100		
42	51.4	55.9	83.9#

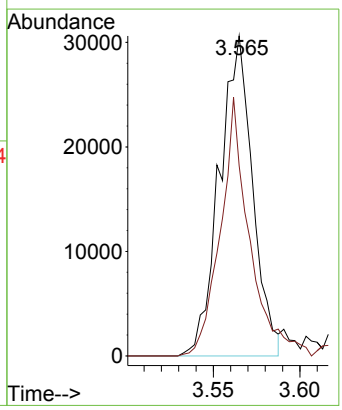


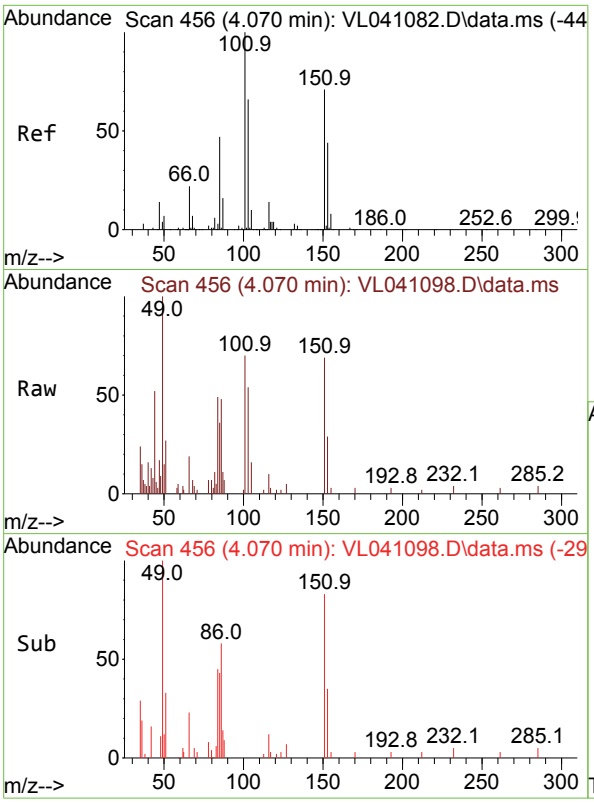


#11
Trichlorofluoromethane
Concen: 0.228 ppbv
RT: 3.565 min Scan# 299
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion:101 Resp: 40801

Ion	Ratio	Lower	Upper
101	100		
103	59.5	53.0	79.4



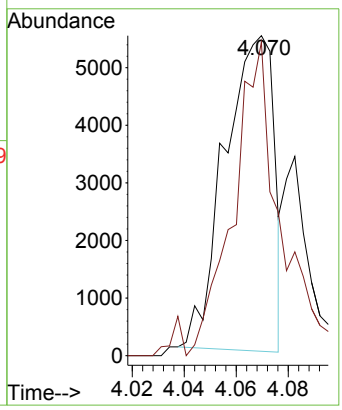


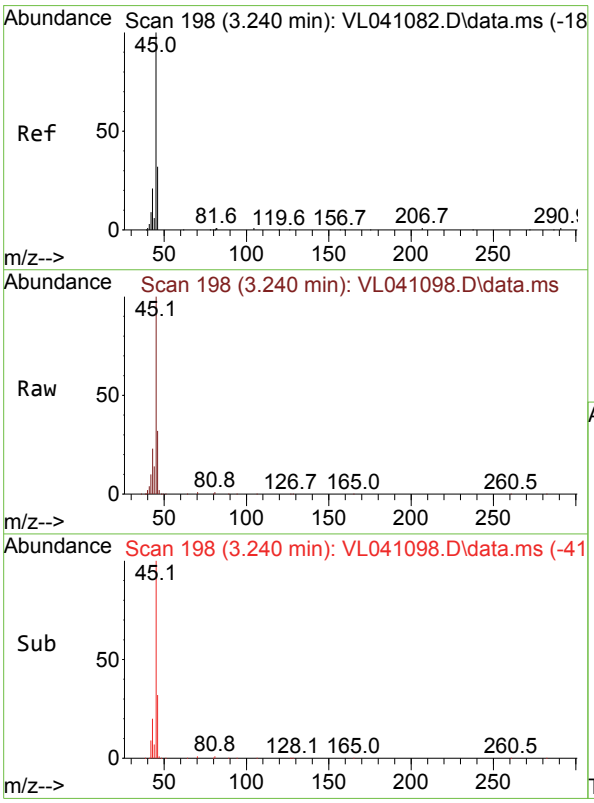
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.055 ppbv
RT: 4.070 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion:101 Resp: 7212

Ion	Ratio	Lower	Upper
101	100		
151	104.7	55.8	83.8#

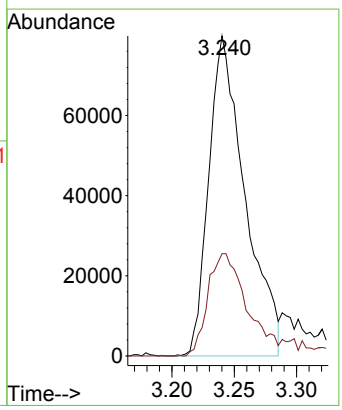


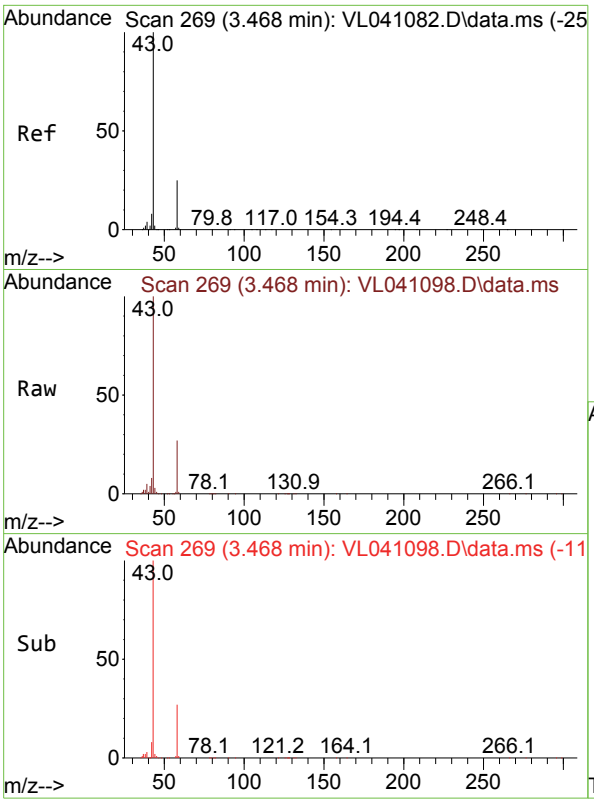


#13
Ethanol
Concen: 10.211 ppbv
RT: 3.240 min Scan# 198
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion: 45 Resp: 161804

Ion	Ratio	Lower	Upper
45	100		
46	39.7	14.6	58.2



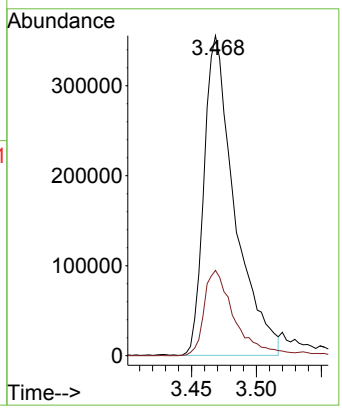


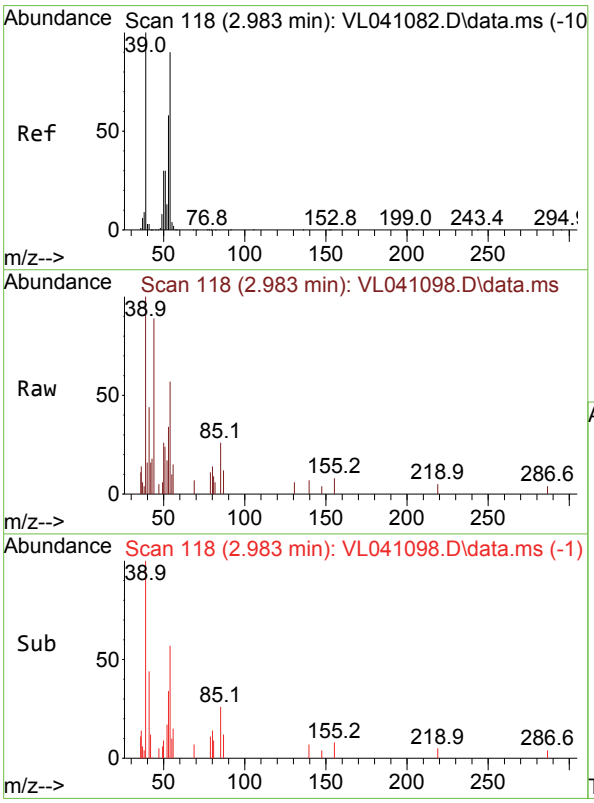
#15
Acetone
Concen: 4.198 ppbv
RT: 3.468 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 43 Resp: 581436

Ion	Ratio	Lower	Upper
43	100		
58	28.5	21.7	32.5

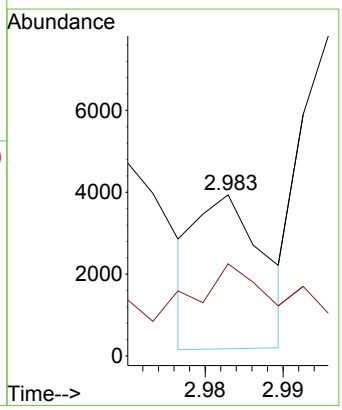


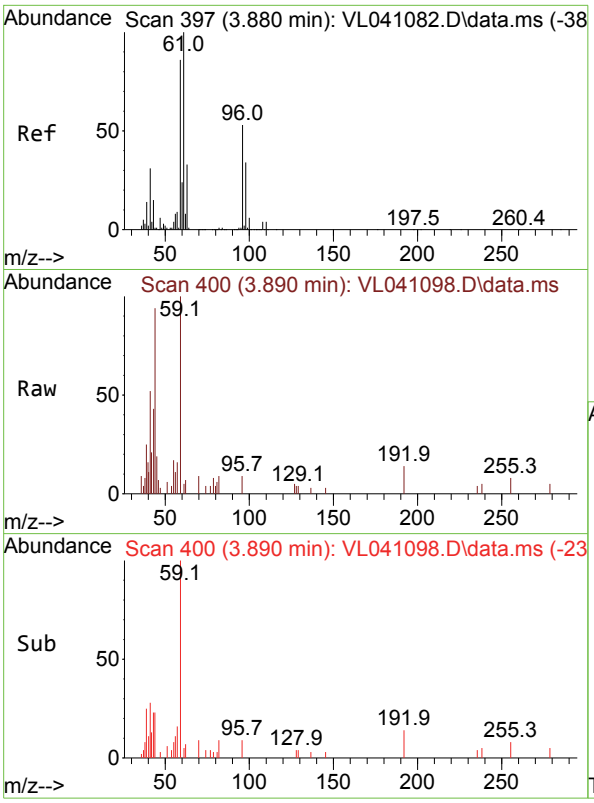


#16
1,3-Butadiene
Concen: 0.036 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion: 39 Resp: 2242

Ion	Ratio	Lower	Upper
39	100		
54	173.1	64.0	96.0#



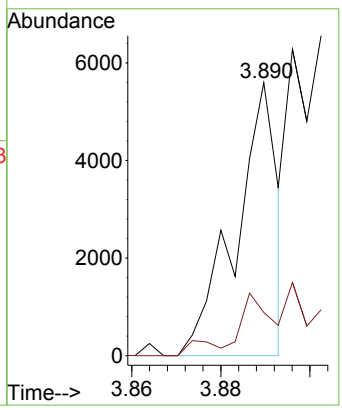


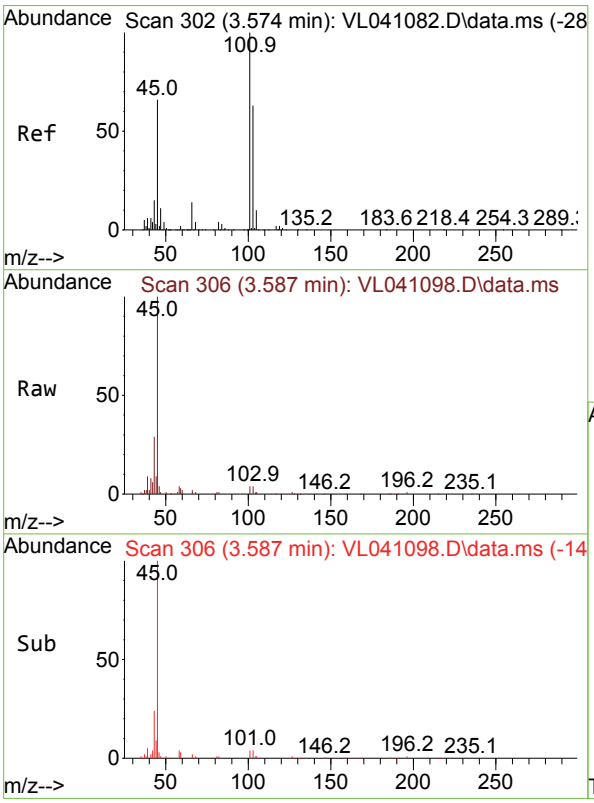
#17
tert-Butyl alcohol
Concen: 0.035 ppbv
RT: 3.890 min Scan# 4
Delta R.T. 0.019 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 59 Resp: 3632

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.6#

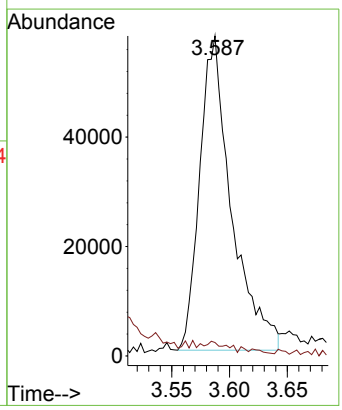


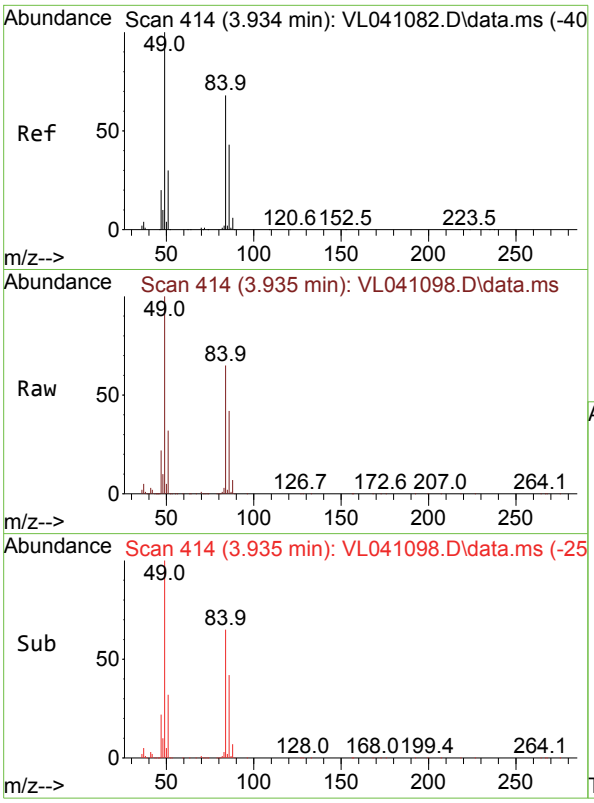


#19
Isopropyl Alcohol
Concen: 1.485 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.019 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion: 45 Resp: 109849

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.2	3.4#



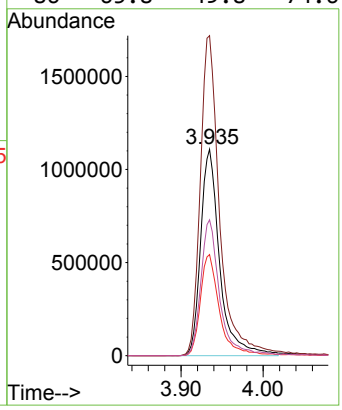


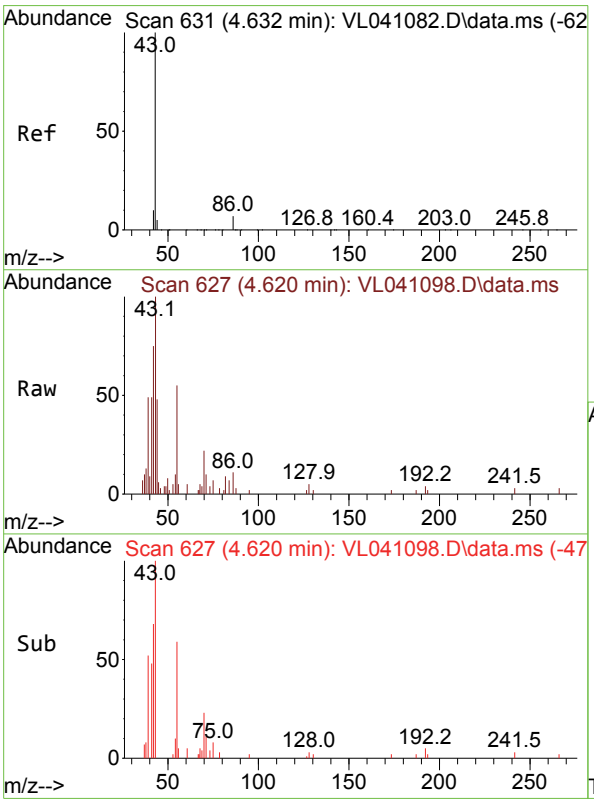
#20
Methylene Chloride
Concen: 33.249 ppbv
RT: 3.935 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 84 Resp: 1795339

Ion	Ratio	Lower	Upper
84	100		
49	155.0	117.0	175.6
51	48.9	34.9	52.3
86	65.8	49.8	74.6

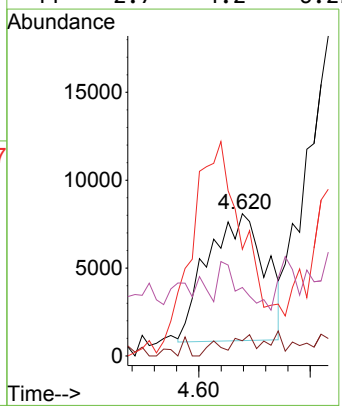


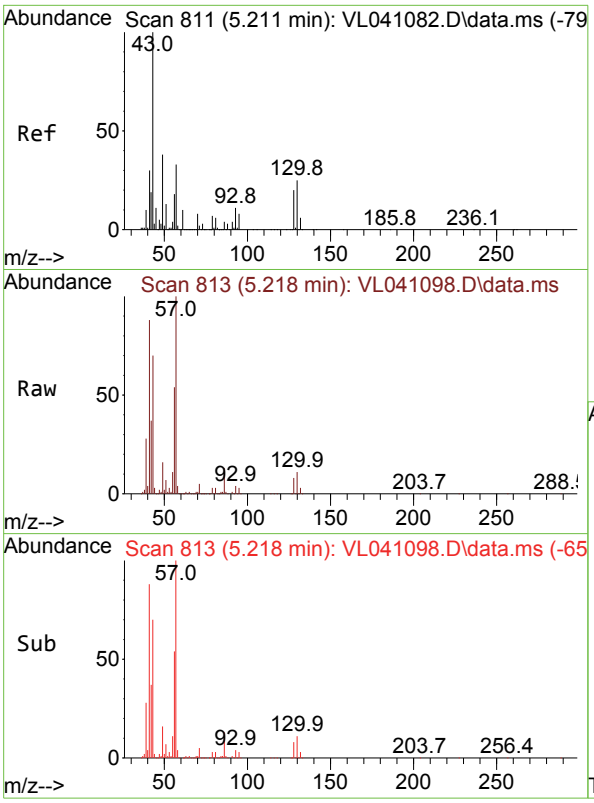


#23
Vinyl Acetate
Concen: 0.083 ppbv
RT: 4.620 min Scan# 627
Delta R.T. -0.003 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion: 43 Resp: 12960

Ion	Ratio	Lower	Upper
43	100		
86	12.1	5.4	8.2#
42	43.8	8.0	12.0#
44	2.7	4.2	6.2#



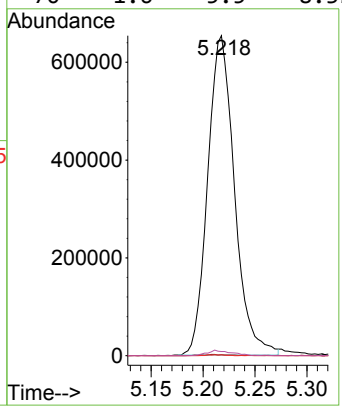


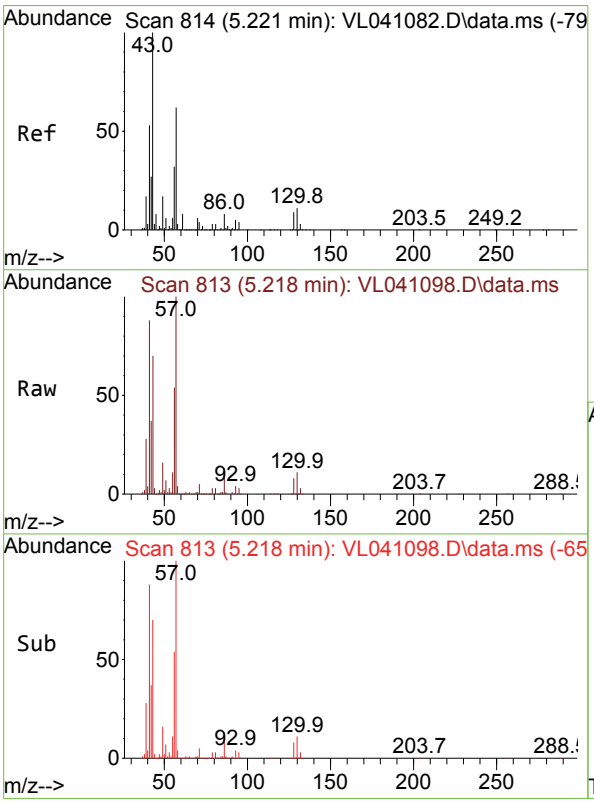
#25
Ethyl Acetate
Concen: 4.698 ppbv
RT: 5.218 min Scan# 8
Delta R.T. 0.013 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 43 Resp: 1172247

Ion	Ratio	Lower	Upper
43	100		
45	0.4	8.2	12.2#
61	0.2	8.2	12.2#
70	1.6	5.5	8.3#

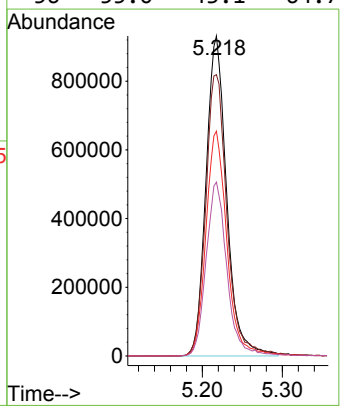


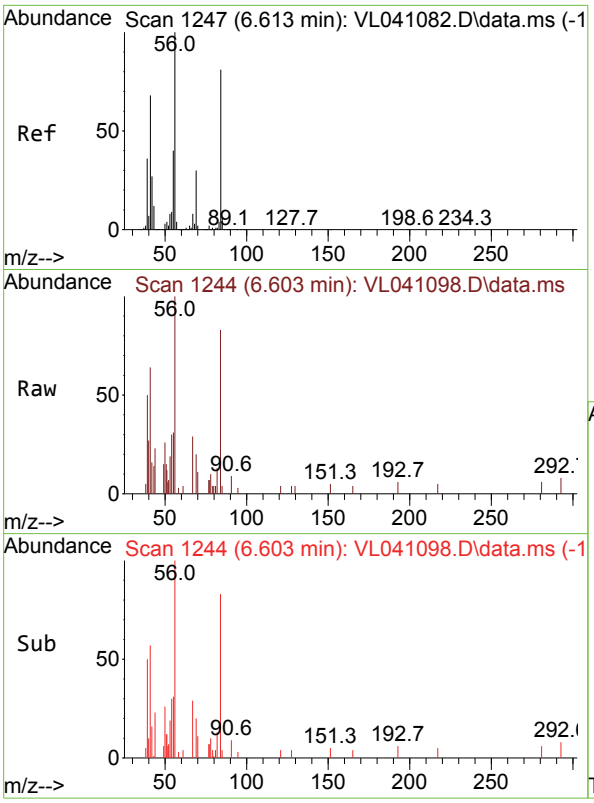


#26
Hexane
Concen: 14.986 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion: 57 Resp: 1671400

Ion	Ratio	Lower	Upper
57	100		
41	91.9	73.8	110.6
43	71.9	184.2	276.2#
56	55.0	43.1	64.7



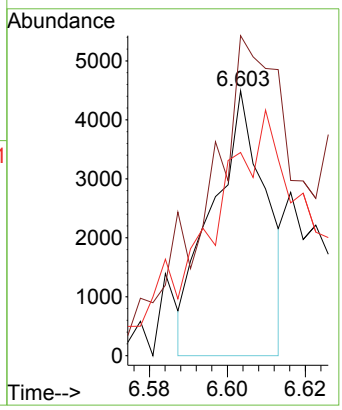


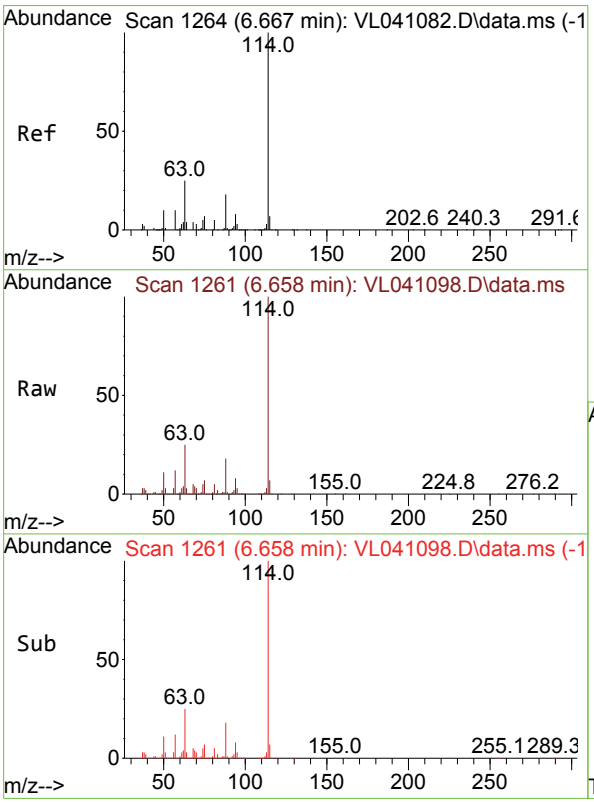
#30
Cyclohexane
Concen: 0.046 ppbv
RT: 6.603 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 84 Resp: 4269

Ion	Ratio	Lower	Upper
84	100		
56	0.0	110.4	165.6#
41	0.0	70.6	105.8#

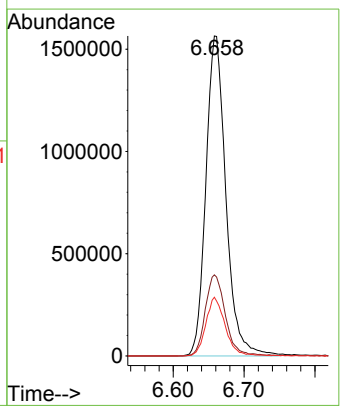


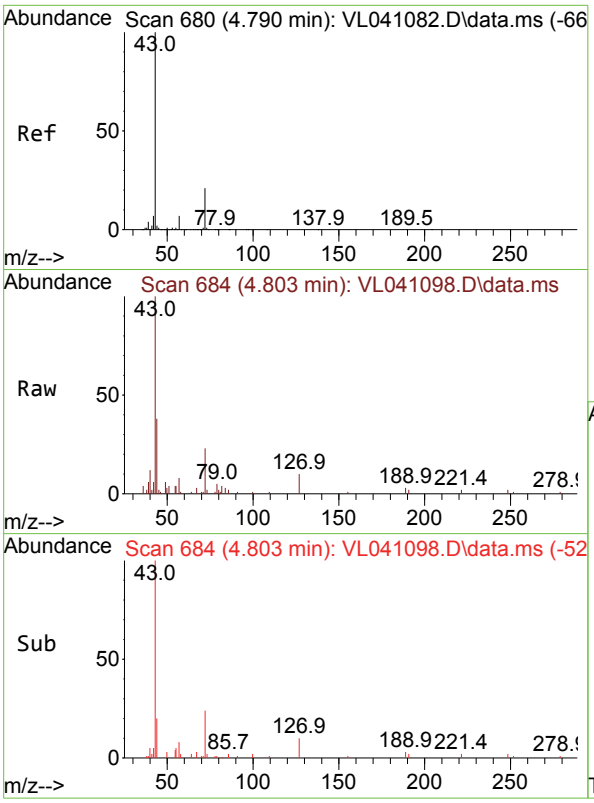


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion:114 Resp: 3065308

Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.0	31.6
88	17.8	14.6	22.0



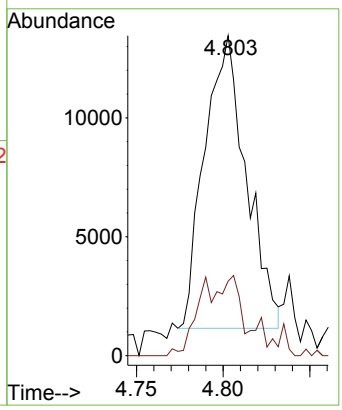


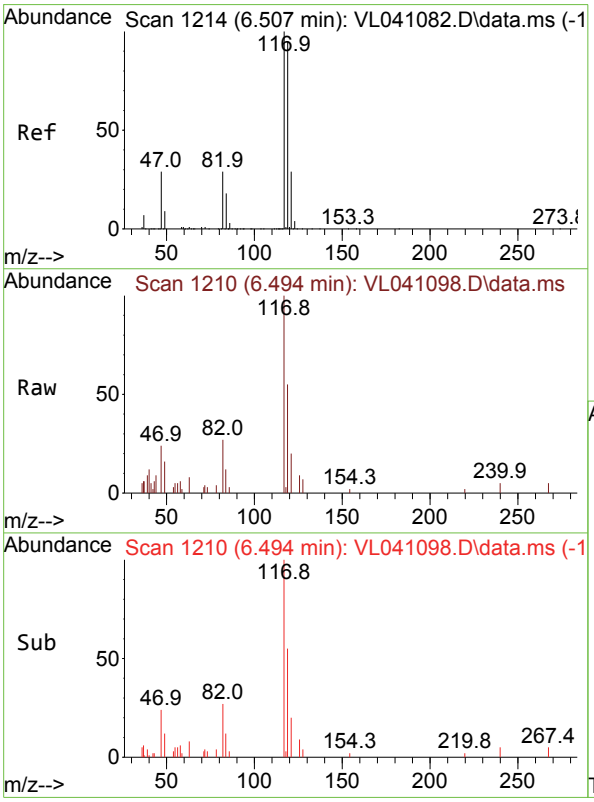
#34
2-Butanone
Concen: 0.136 ppbv
RT: 4.803 min Scan# 6
Delta R.T. 0.019 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 43 Resp: 20566

Ion	Ratio	Lower	Upper
43	100		
72	32.2	17.4	26.0#

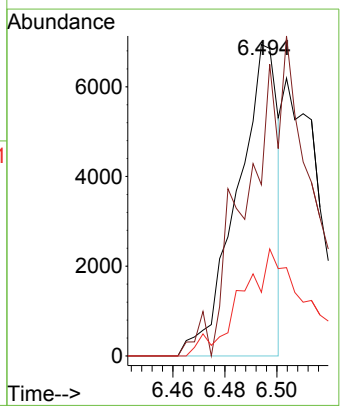


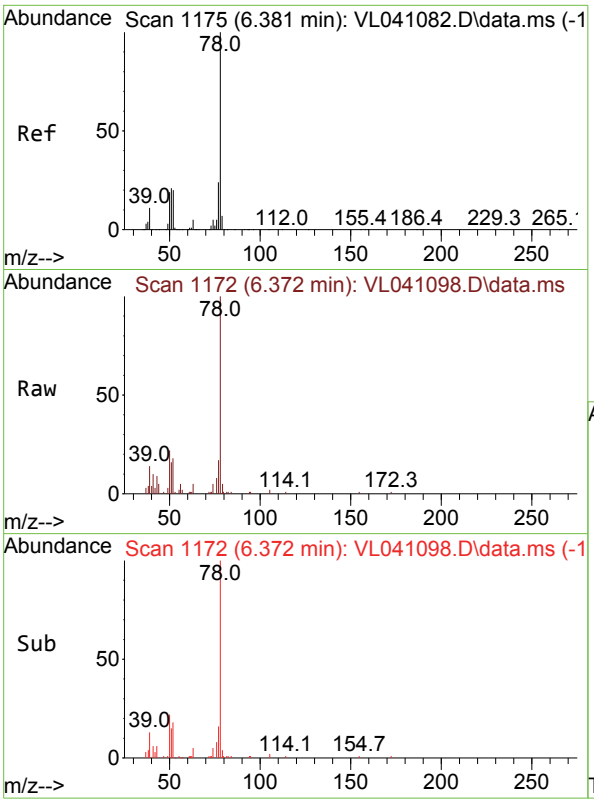


#35
Carbon Tetrachloride
Concen: 0.042 ppbv
RT: 6.494 min Scan# 1210
Delta R.T. -0.000 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion:117 Resp: 7556

Ion	Ratio	Lower	Upper
117	100		
119	55.0	75.6	113.4#
121	20.4	23.4	35.2#



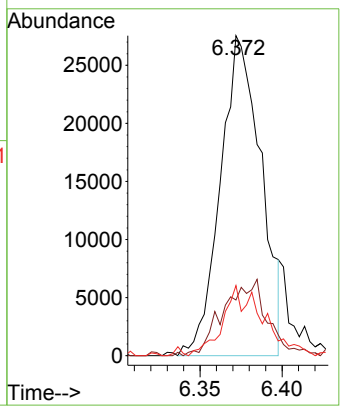


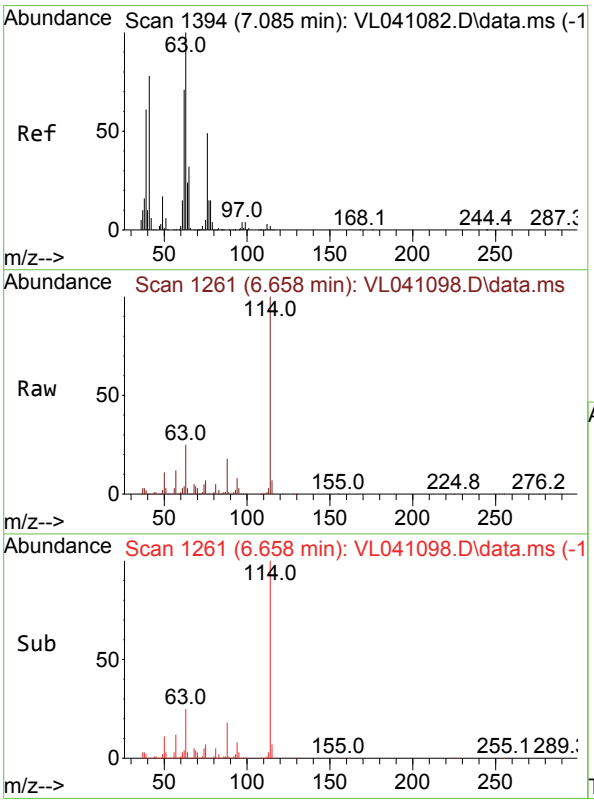
#36
Benzene
Concen: 0.207 ppbv
RT: 6.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 78 Resp: 47293

Ion	Ratio	Lower	Upper
78	100		
77	16.3	18.8	28.2#
50	19.1	15.5	23.3

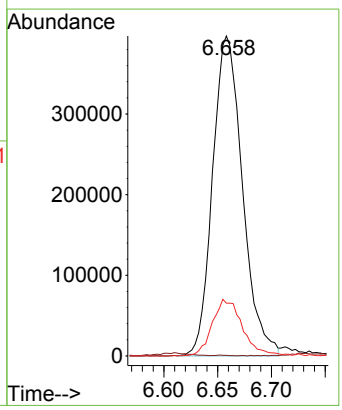


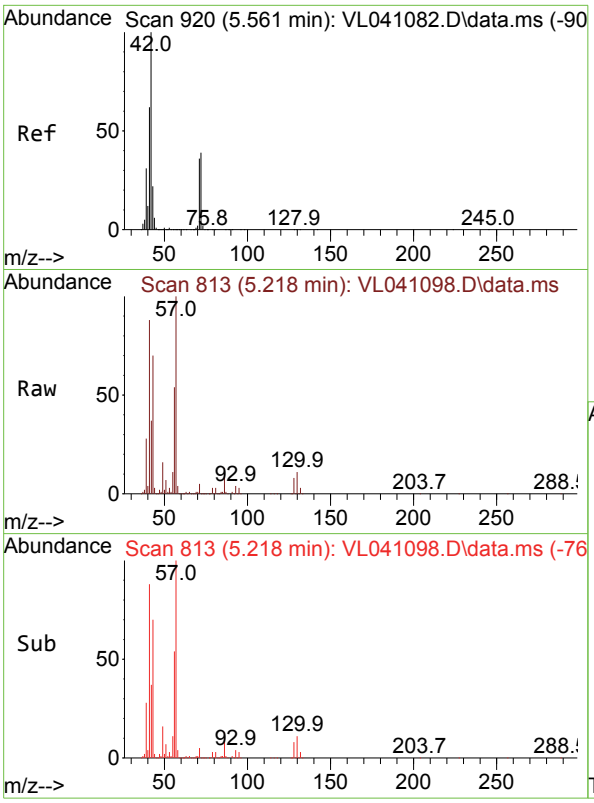


#39
1,2-Dichloropropane
Concen: 8.398 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.418 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion: 63 Resp: 766487

Ion	Ratio	Lower	Upper
63	100		
41	0.1	62.2	93.4#
62	16.4	57.0	85.4#



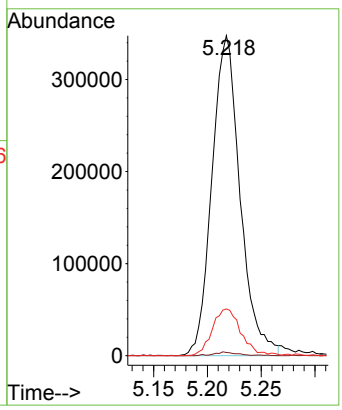


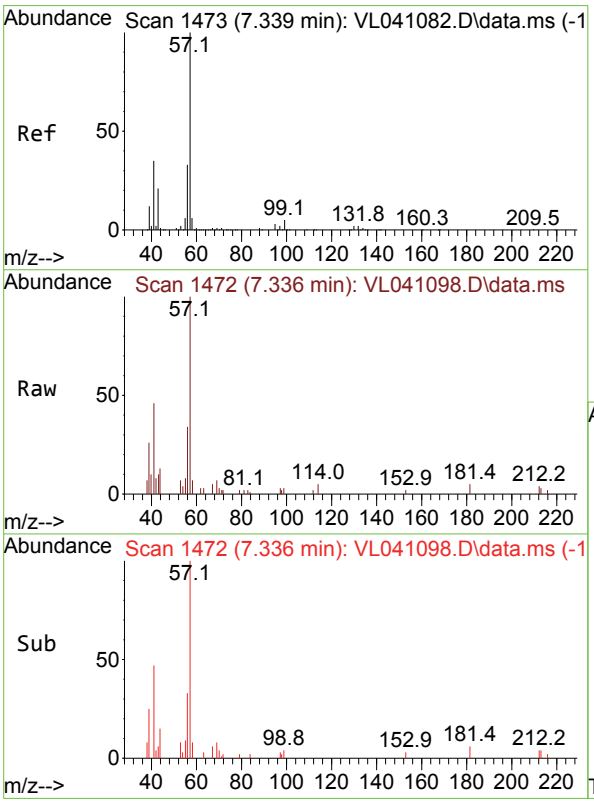
#41
Tetrahydrofuran
Concen: 7.001 ppbv
RT: 5.218 min Scan# 8
Delta R.T. -0.338 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 42 Resp: 632348

Ion	Ratio	Lower	Upper
42	100		
72	1.0	30.7	46.1#
71	15.1	29.6	44.4#

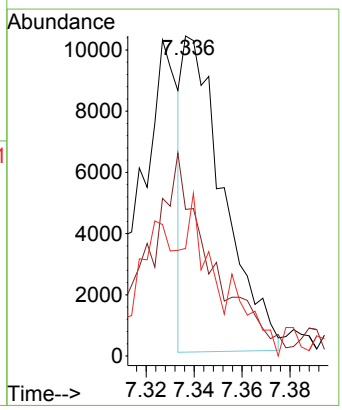


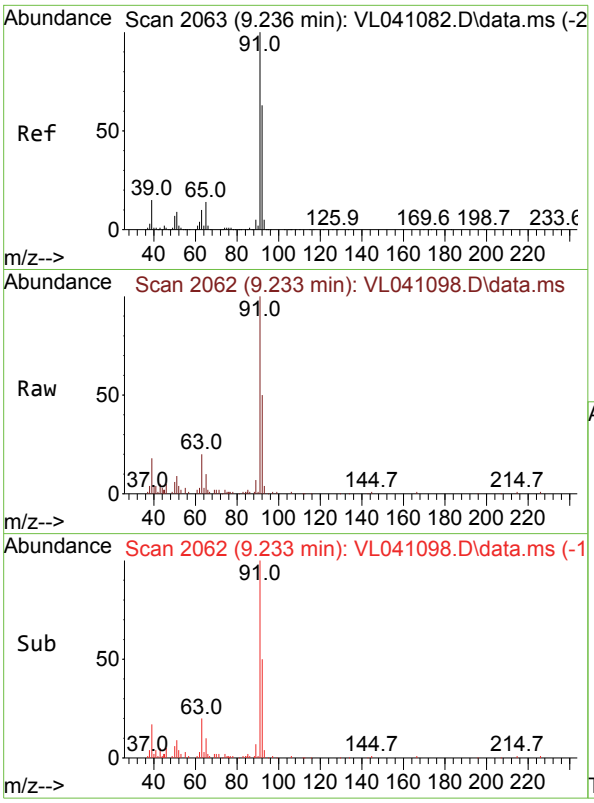


#44
2,2,4-Trimethylpentane
Concen: 0.032 ppbv
RT: 7.336 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion: 57 Resp: 12118

Ion	Ratio	Lower	Upper
57	100		
41	122.6	28.0	42.0#
56	92.6	25.7	38.5#



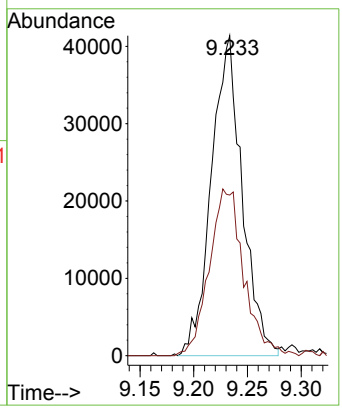


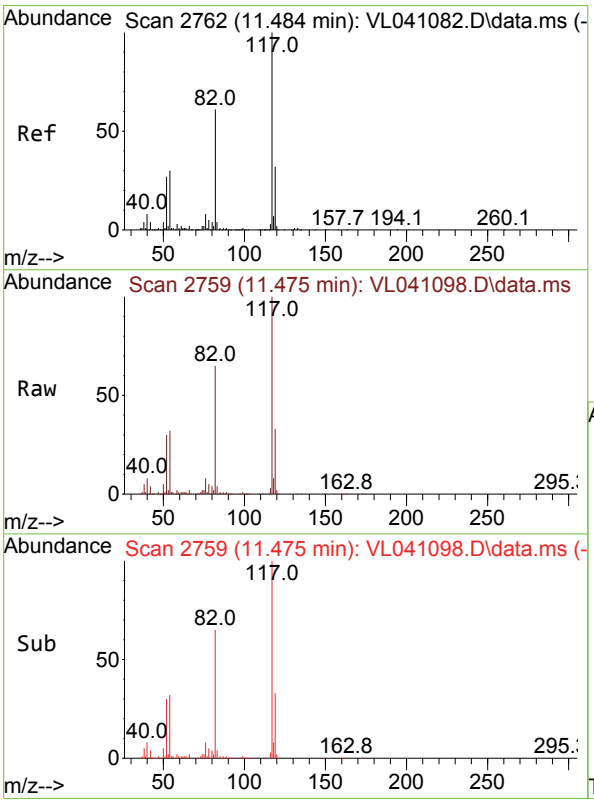
#53
Toluene
Concen: 0.335 ppbv
RT: 9.233 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 82416

Ion	Ratio	Lower	Upper
91	100		
92	59.0	48.9	73.3

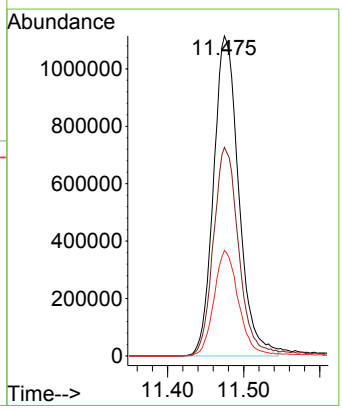


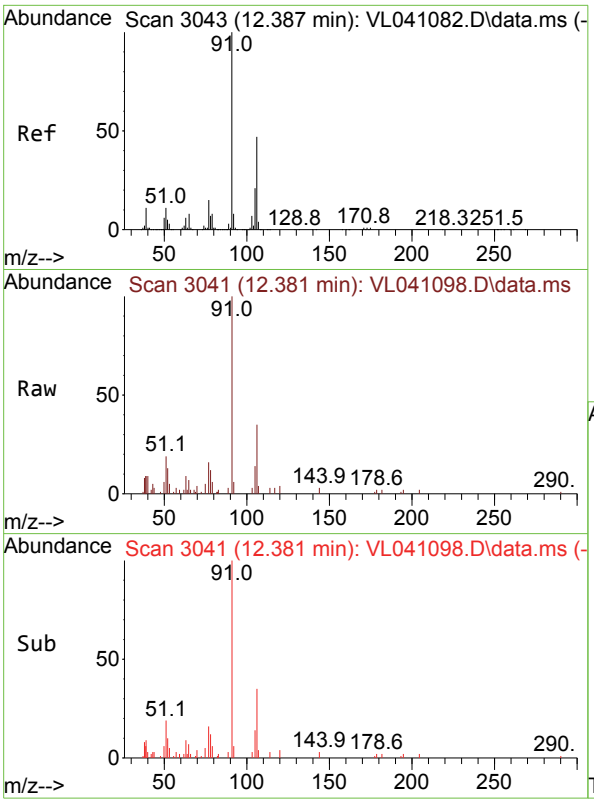


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 2759
Delta R.T. -0.000 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion:117 Resp: 2562649

Ion	Ratio	Lower	Upper
117	100		
82	67.3	51.4	77.2
119	33.2	23.7	35.5



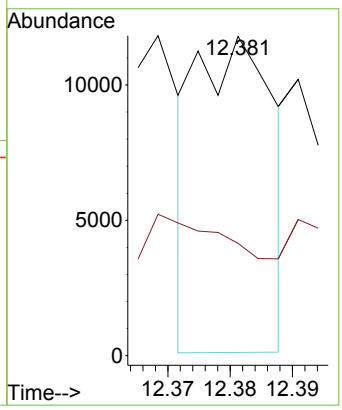


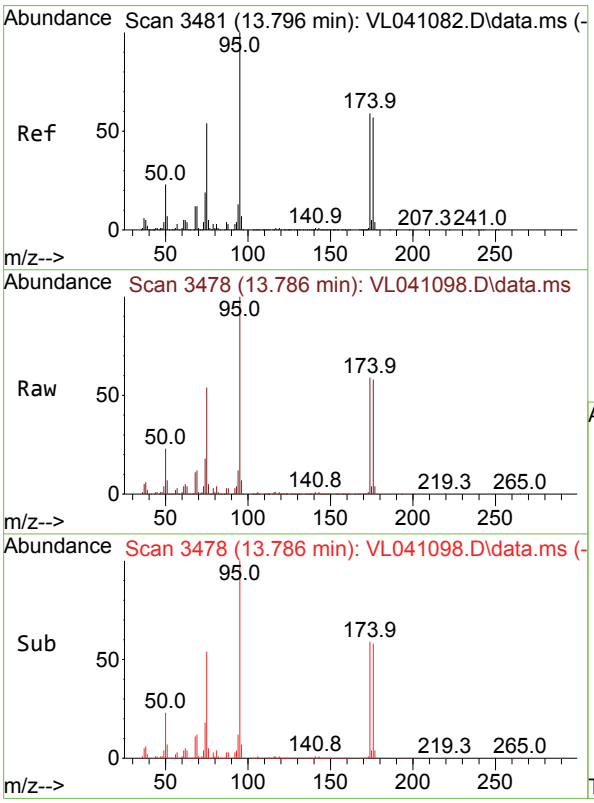
#59
m/p-Xylene
Concen: 0.038 ppbv
RT: 12.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 9998

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#

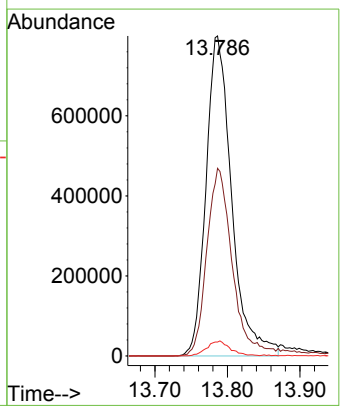


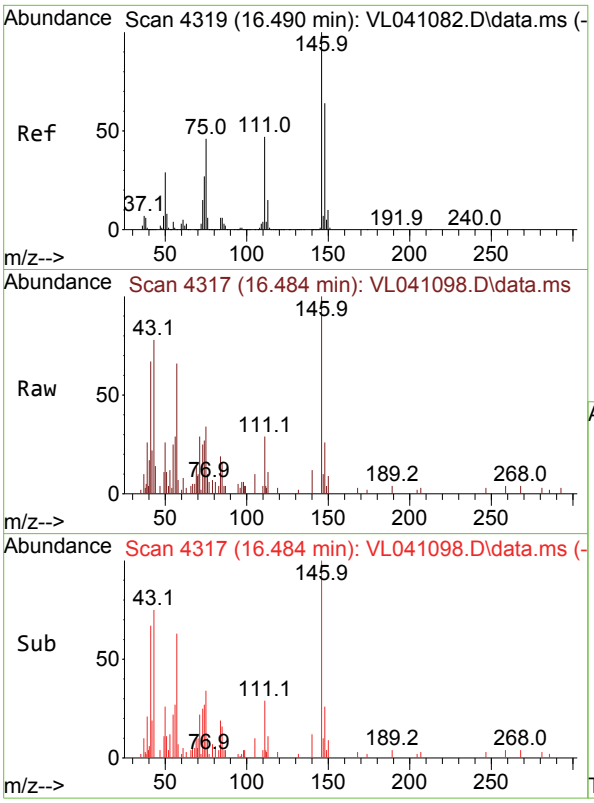


#68
1-Bromo-4-Fluorobenzene
Concen: 9.822 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion: 95 Resp: 1967906

Ion	Ratio	Lower	Upper
95	100		
174	60.9	47.8	71.8
175	4.5	3.5	5.3





#76
1,4-Dichlorobenzene
Concen: 0.037 ppbv
RT: 16.484 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion:146 Resp: 5931

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.9	71.7#
148	177.8	32.9	98.6#