Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020620\
Data File : VL034608.D
Acq On : 6 Feb 2020 20:55
Operator : SY/AP
Sample : L1435-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-4

Quant Time: Feb 07 08:22:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	896885	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.21	114	1838077	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.15	117	1788380	10.00	ppbv		0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.49	95	1576277	10.43	ppbv		0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	98007	0.496	ppbv		90
3) Chlorodifluoromethane	2.97	51	23892m	0.220	ppbv		
4) Chloromethane	3.12	50	31772	0.479	ppbv	#	88
9) Propene	3.00	41	32026m	0.759	ppbv		
11) Trichlorofluoromethane	3.94	101	44387	0.247	ppbv		84
13) Ethanol	3.60	45	1113515	98.520	ppbv		99
15) Acetone	3.84	43	1418452	10.761	ppbv		99
19) Isopropyl Alcohol	3.97	45	1257949	16.353	ppbv	#	99
20) Methylene Chloride	4.35	84	46380	0.924	ppbv		92
26) Hexane	5.71	57	44171m	0.494	ppbv		
29) Chloroform	5.77	83	16899m	0.107	ppbv		
34) 2-Butanone	5.27	43	17112m	0.128	ppbv		
35) Carbon Tetrachloride	7.05	117	12755m	0.073	ppbv		
36) Benzene	6.92	78	43841	0.268	ppbv	#	89
38) Trichloroethene	7.89	130	2914m	0.042	ppbv		
52) Tetrachloroethene	11.28	164	107022	1.630	ppbv		96
53) Toluene	9.86	91	102113	0.569	ppbv		99
59) m/p-Xylene	13.03	91	24540m	0.116	ppbv		

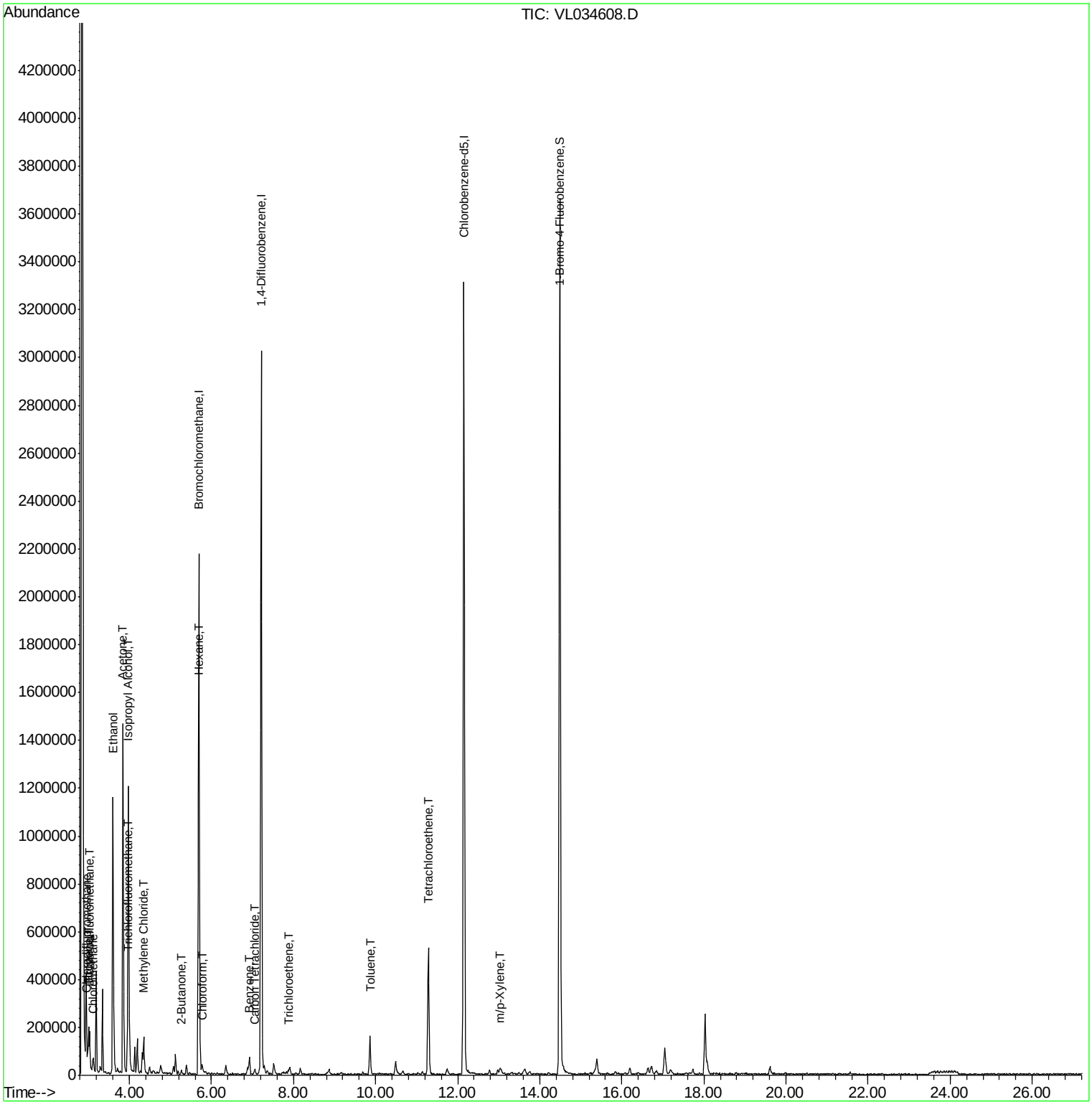
(#) = qualifier out of range (m) = manual integration (+) = signals summed

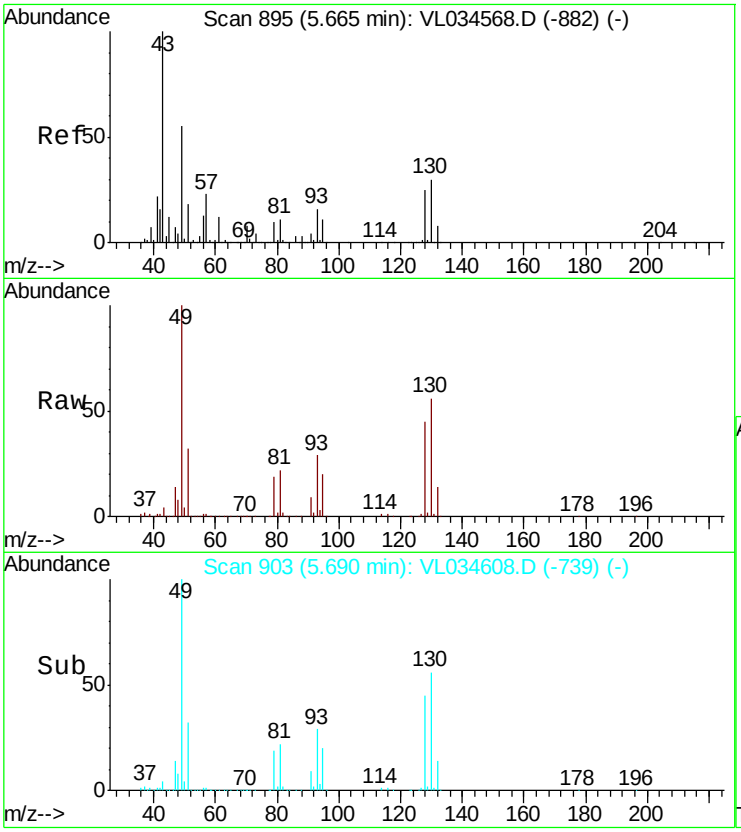
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020620\
Data File : VL034608.D
Acq On : 6 Feb 2020 20:55
Operator : SY/AP
Sample : L1435-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-4

Quant Time: Feb 07 08:22:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration



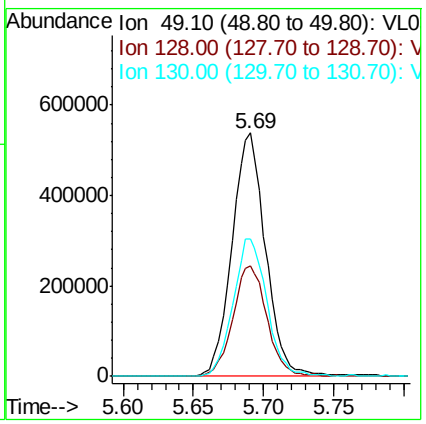


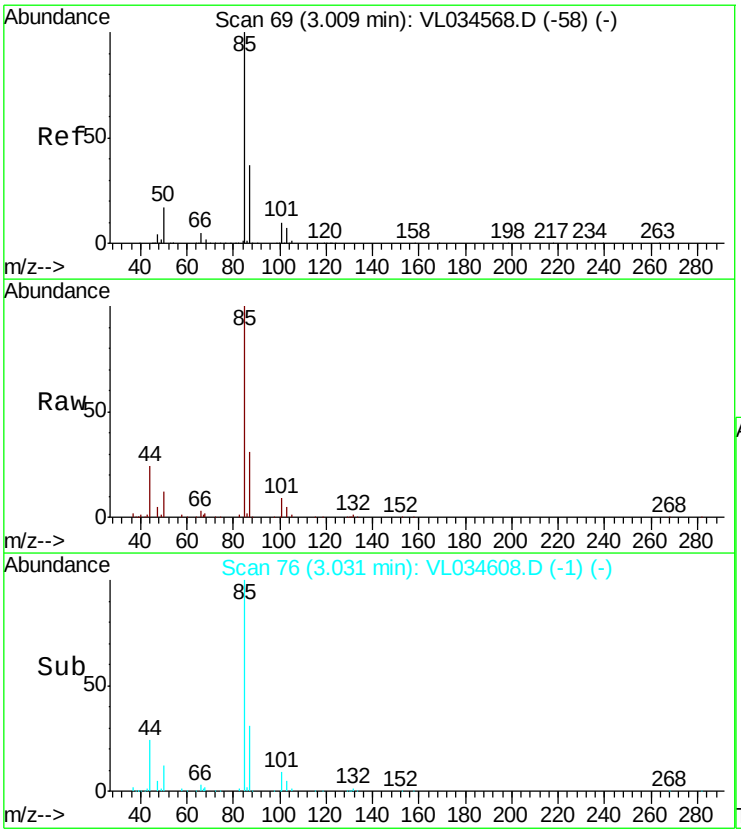
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 49 Resp: 896885

Ion	Ratio	Lower	Upper
49	100		
128	46.4	22.7	68.1
130	57.5	28.6	85.8

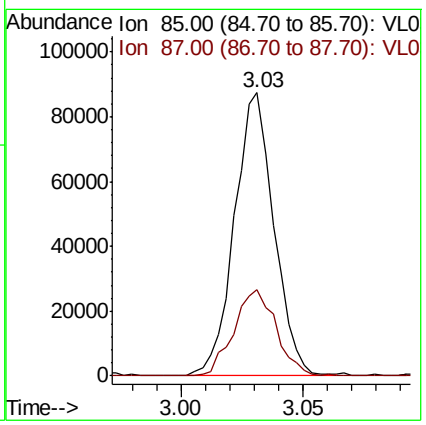


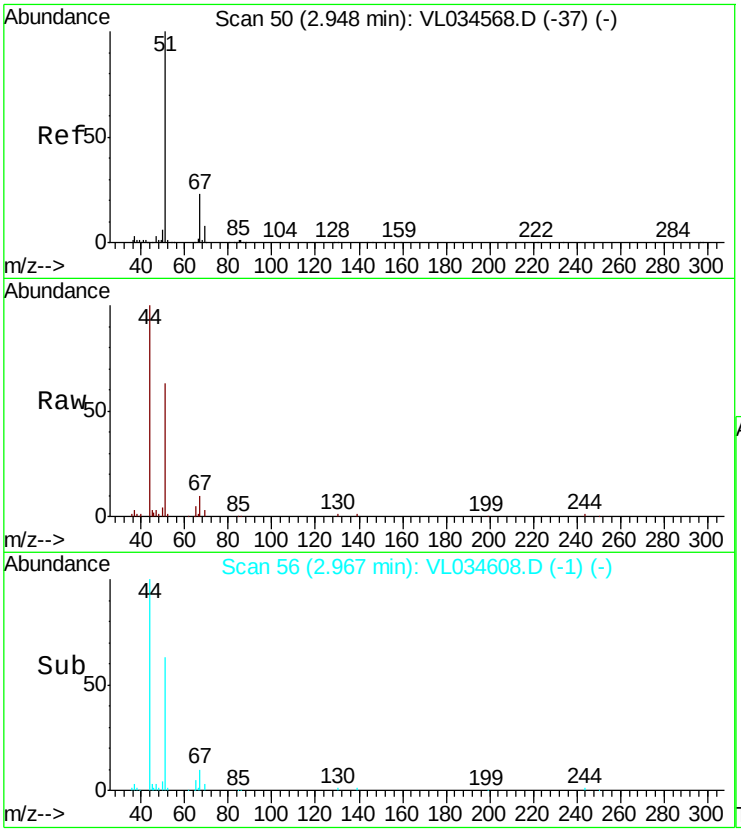


#2
Dichlorodifluoromethane
Concen: 0.496 ppbv
RT: 3.03 min Scan# 76
Delta R.T. 0.02 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Tgt Ion: 85 Resp: 98007

Ion	Ratio	Lower	Upper
85	100		
87	30.7	29.5	44.3



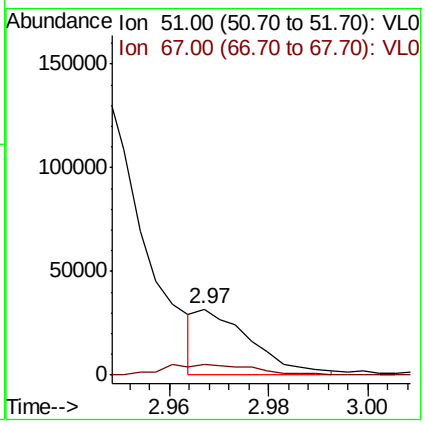


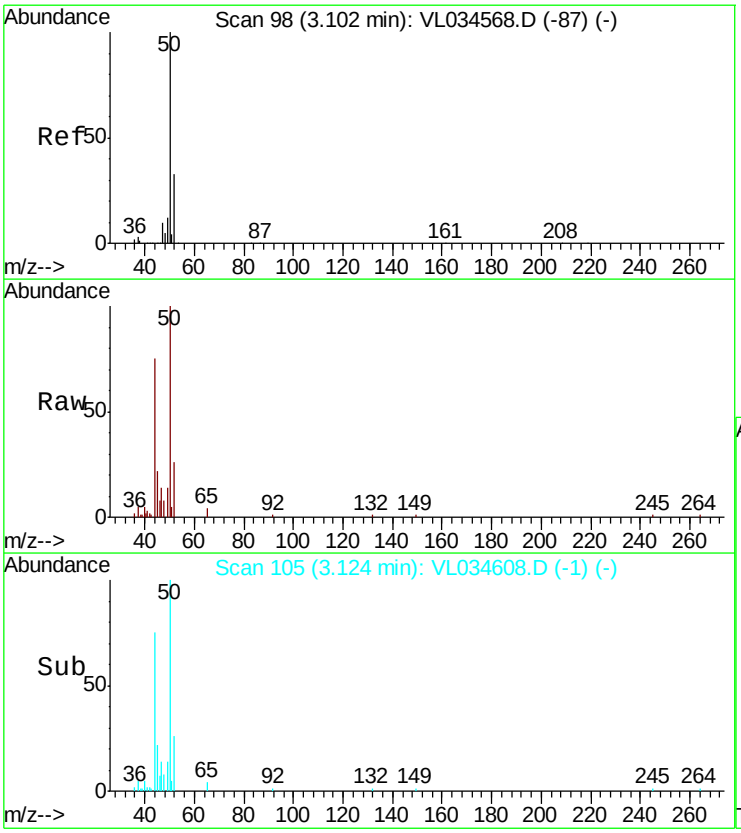
#3
Chlorodifluoromethane
Concen: 0.220 ppbv m
RT: 2.97 min Scan# 56
Delta R.T. 0.02 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 51 Resp: 23892

Ion	Ratio	Lower	Upper
51	100		
67	29.7	17.8	26.8#

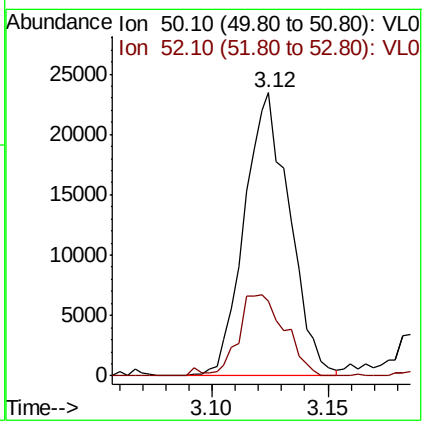


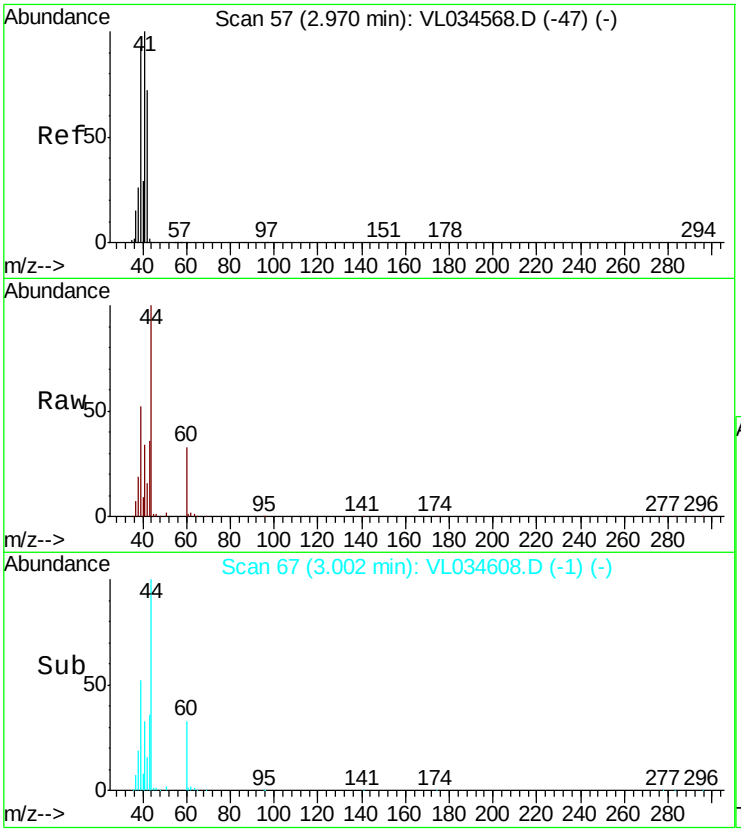


#4
Chloromethane
Concen: 0.479 ppbv
RT: 3.12 min Scan# 105
Delta R.T. 0.02 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Tgt Ion: 50 Resp: 31772

Ion	Ratio	Lower	Upper
50	100		
52	26.3	26.6	39.8#



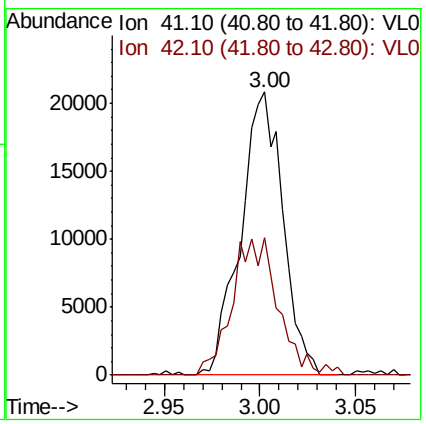


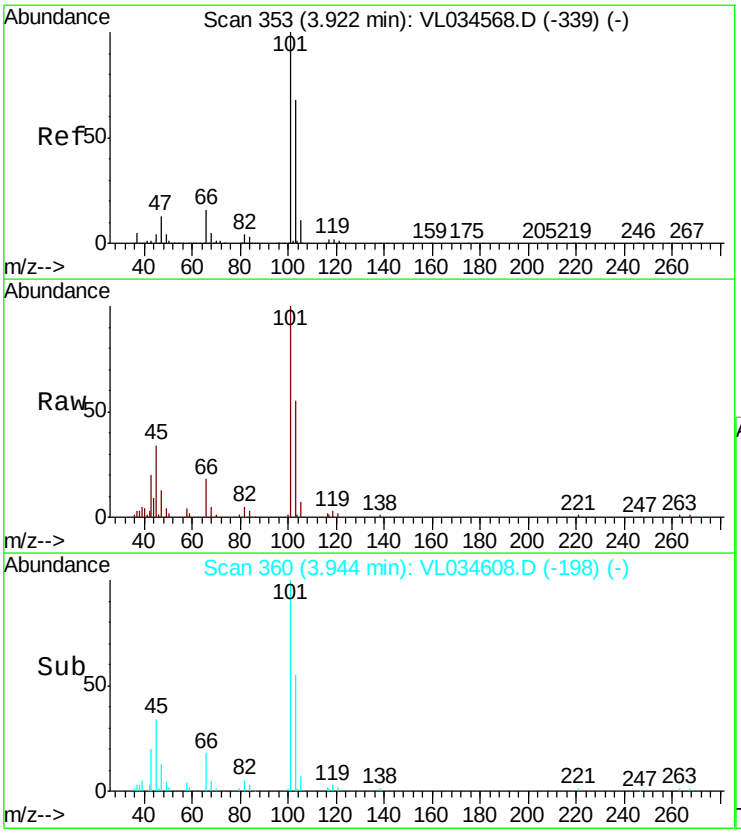
#9
Propene
Concen: 0.759 ppbv m
RT: 3.00 min Scan# 67
Delta R.T. 0.03 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 41 Resp: 32026

Ion	Ratio	Lower	Upper
41	100		
42	207.8	57.0	85.4#

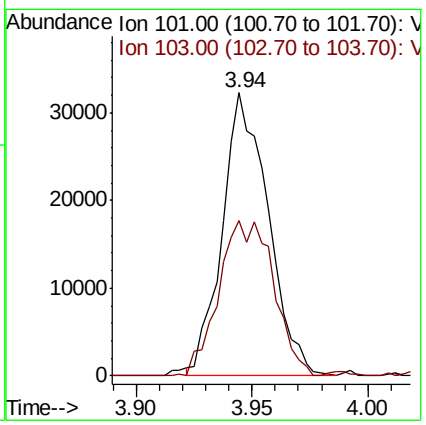


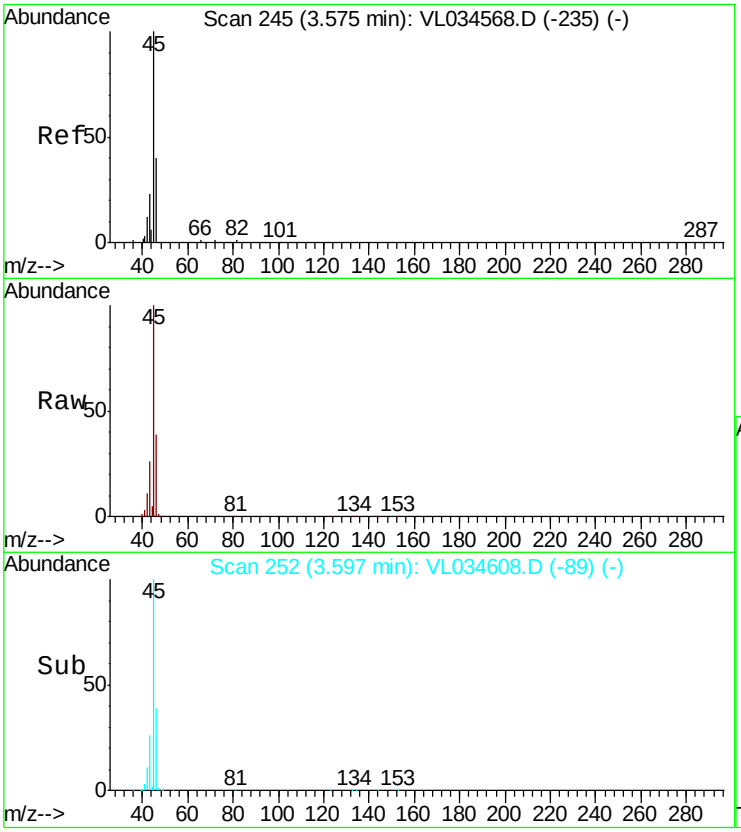


#11
Trichlorofluoromethane
Concen: 0.247 ppbv
RT: 3.94 min Scan# 360
Delta R.T. 0.02 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Tgt Ion:101 Resp: 44387

Ion	Ratio	Lower	Upper
101	100		
103	55.0	54.4	81.6



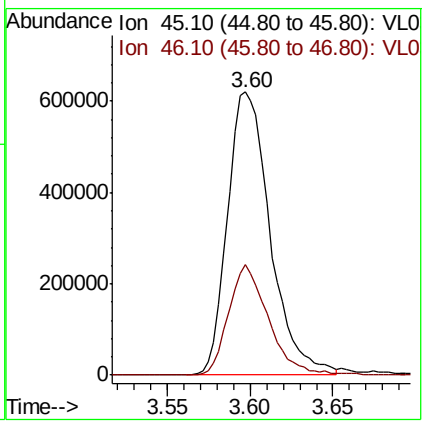


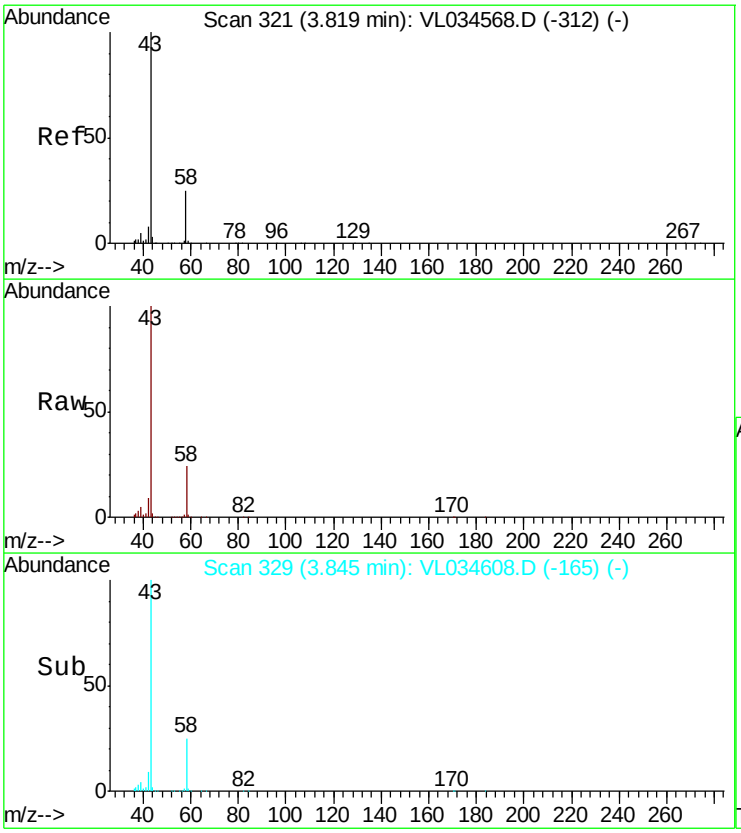
#13
Ethanol
Concen: 98.520 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.02 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 45 Resp: 1113515

Ion	Ratio	Lower	Upper
45	100		
46	36.6	14.8	59.2

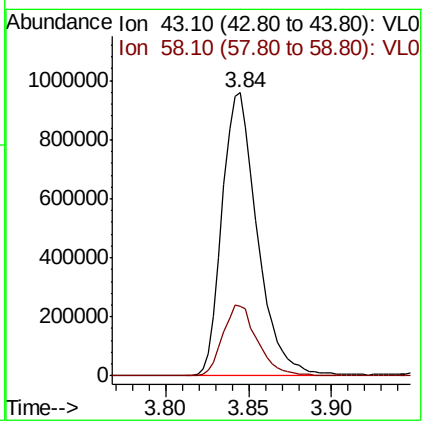


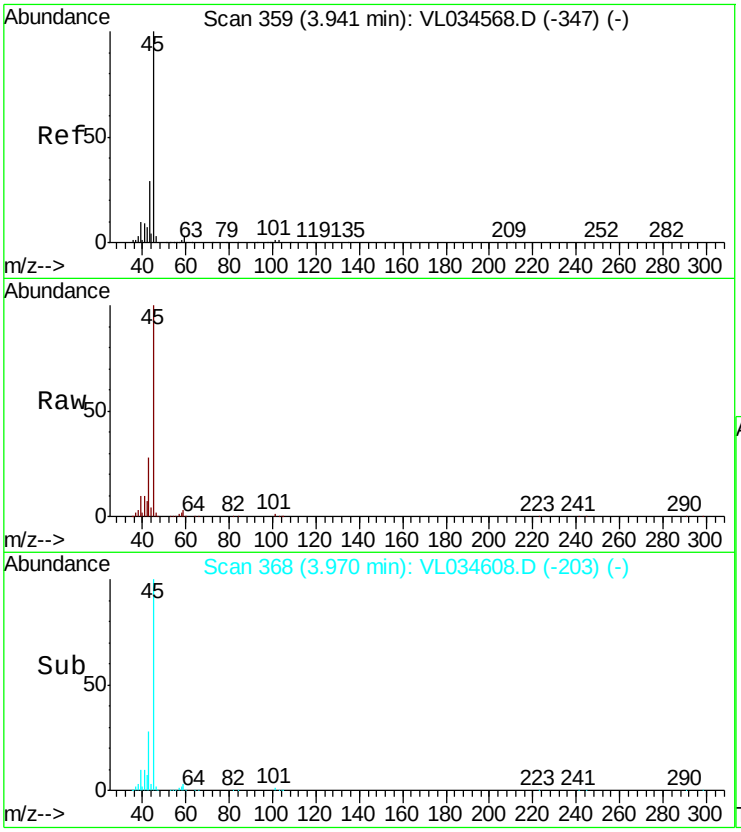


#15
Acetone
Concen: 10.761 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.03 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Tgt Ion: 43 Resp: 1418452

Ion	Ratio	Lower	Upper
43	100		
58	24.7	20.3	30.5



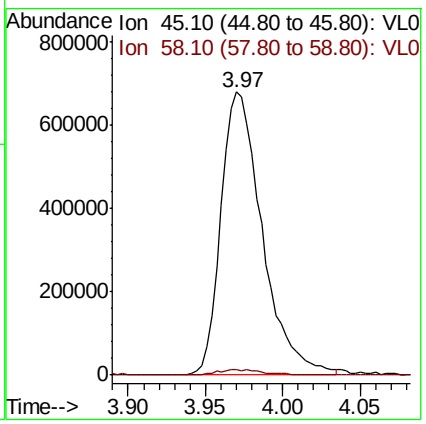


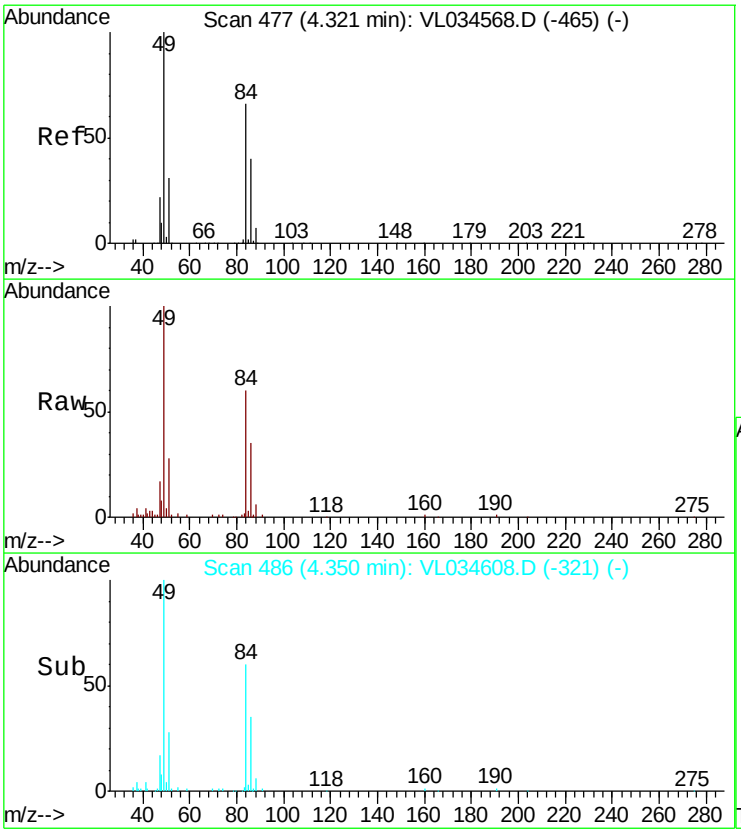
#19
Isopropyl Alcohol
Concen: 16.353 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.03 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 45 Resp: 1257949

Ion	Ratio	Lower	Upper
45	100		
58	2.6	1.7	2.5#

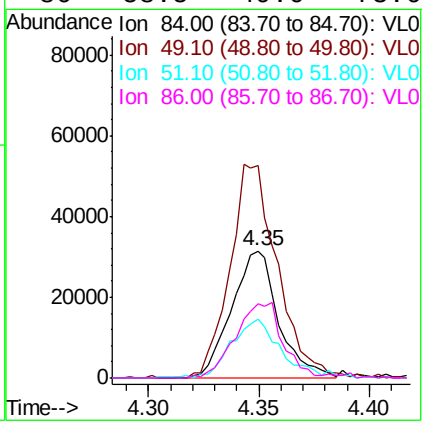


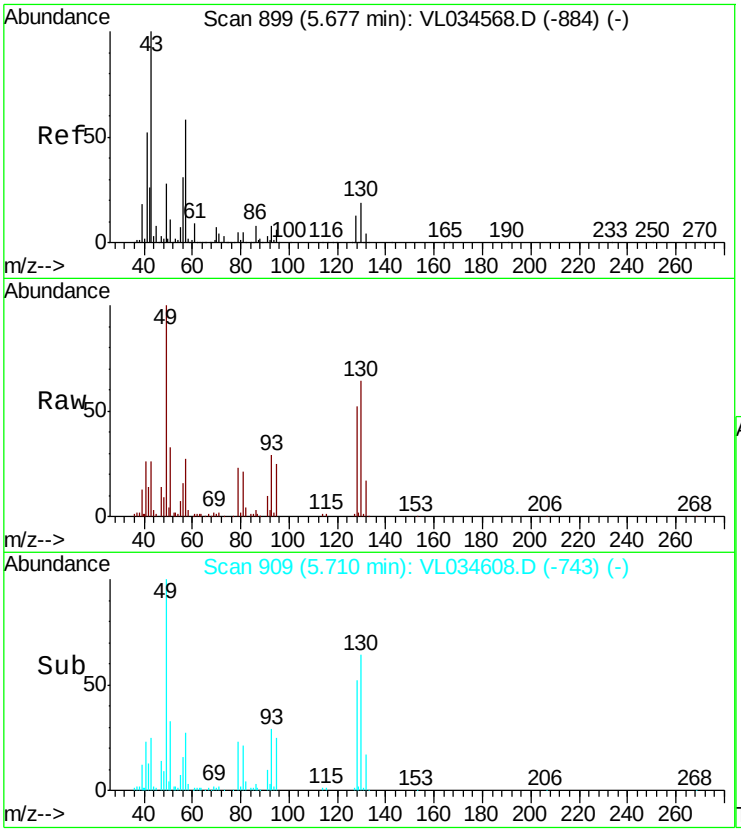


#20
Methylene Chloride
Concen: 0.924 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.03 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Tgt Ion: 84 Resp: 46380

Ion	Ratio	Lower	Upper
84	100		
49	166.4	122.4	183.6
51	44.6	38.6	57.8
86	58.5	49.0	73.6



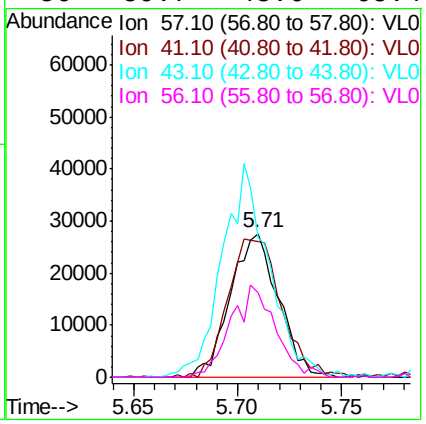


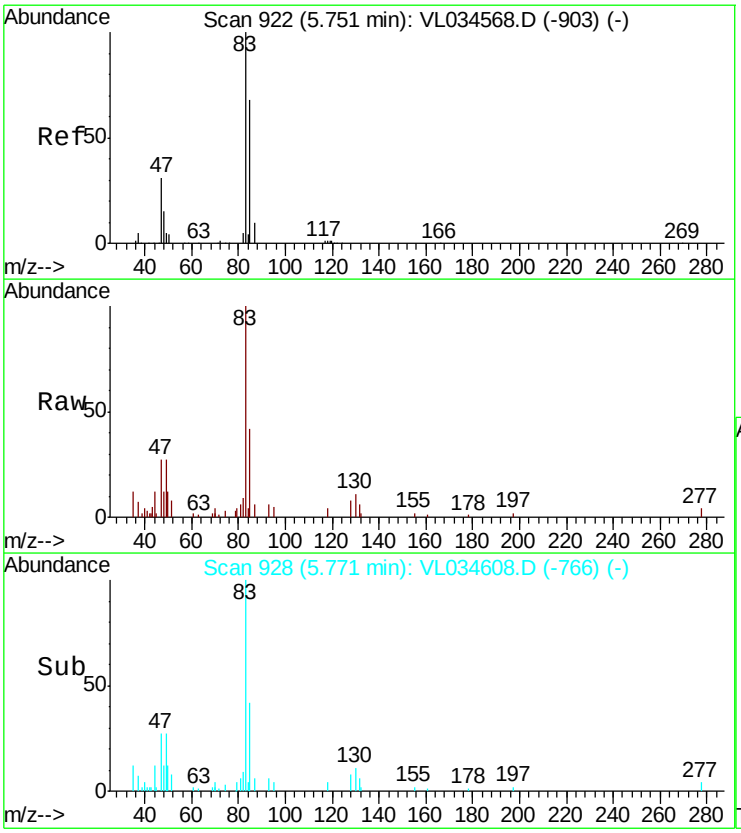
#26
Hexane
Concen: 0.494 ppbv m
RT: 5.71 min Scan# 909
Delta R.T. 0.03 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 57 Resp: 44171

Ion	Ratio	Lower	Upper
57	100		
41	108.5	76.2	114.2
43	144.7	189.9	284.9#
56	59.7	43.6	65.4

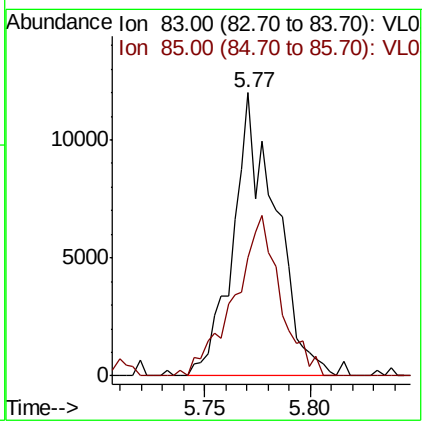


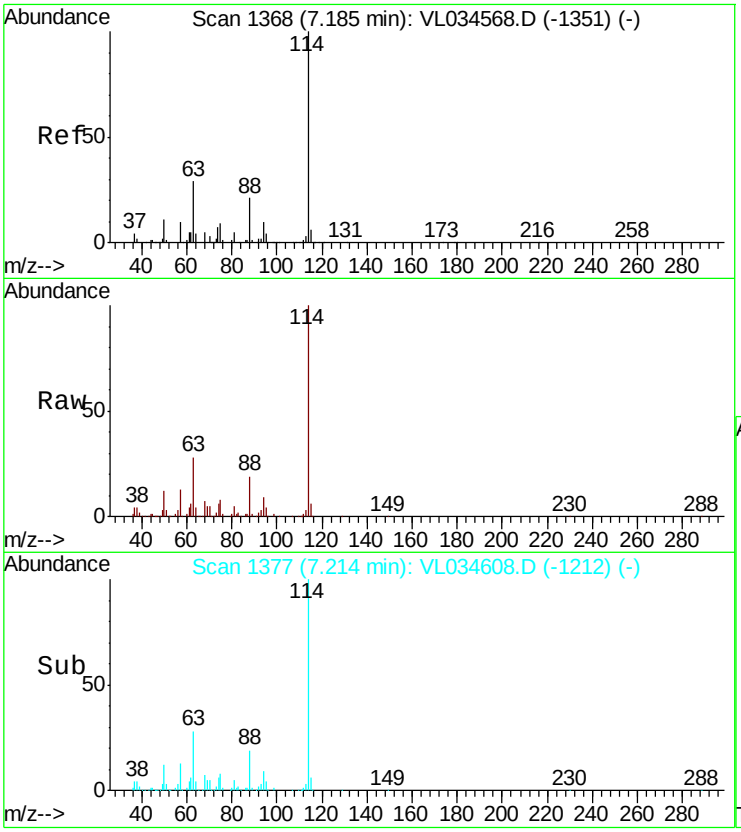


#29
Chloroform
Concen: 0.107 ppbv m
RT: 5.77 min Scan# 928
Delta R.T. 0.02 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Tgt Ion: 83 Resp: 16899

Ion	Ratio	Lower	Upper
83	100		
85	41.6	54.0	81.0#



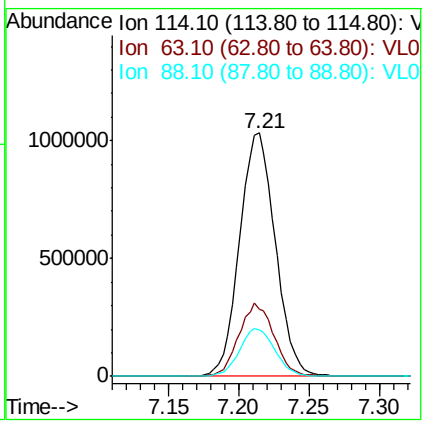


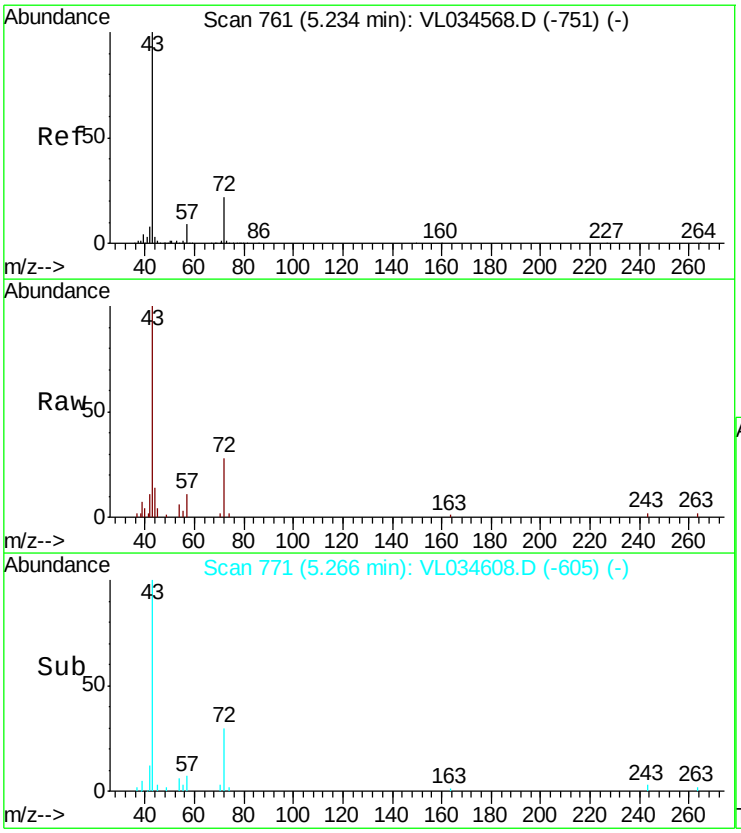
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. 0.03 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion:114 Resp: 1838077

Ion	Ratio	Lower	Upper
114	100		
63	29.6	24.1	36.1
88	19.6	15.9	23.9

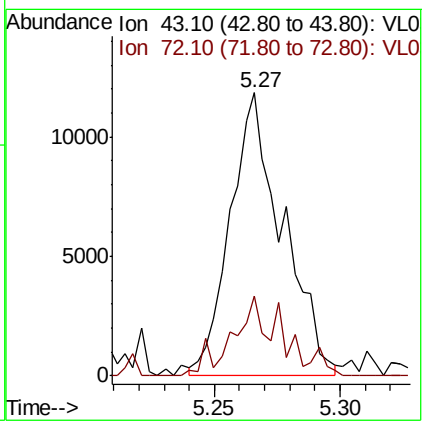


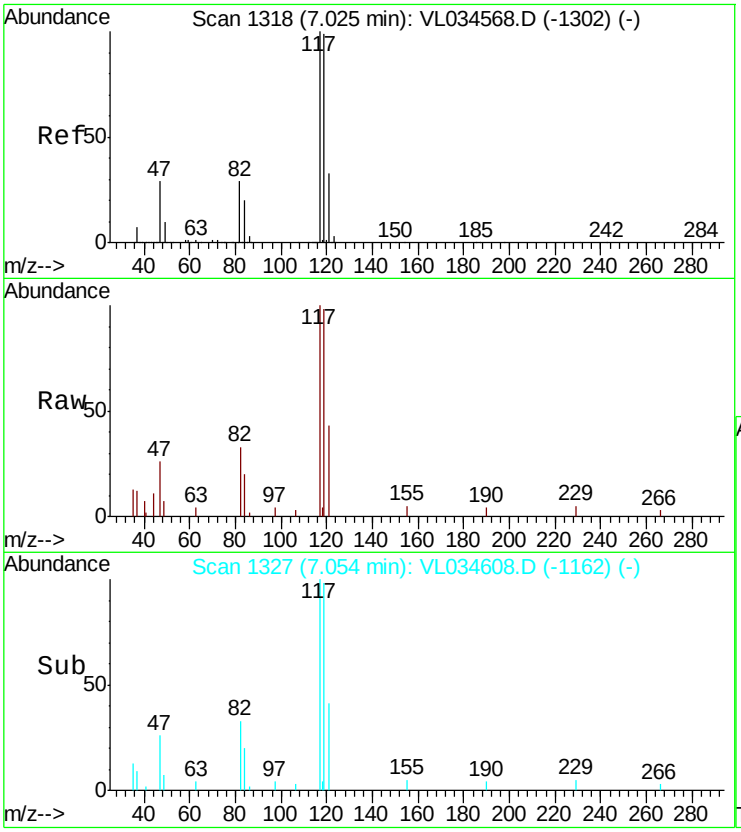


#34
2-Butanone
Concen: 0.128 ppbv m
RT: 5.27 min Scan# 771
Delta R.T. 0.03 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Tgt Ion: 43 Resp: 17112

Ion	Ratio	Lower	Upper
43	100		
72	26.9	17.2	25.8#



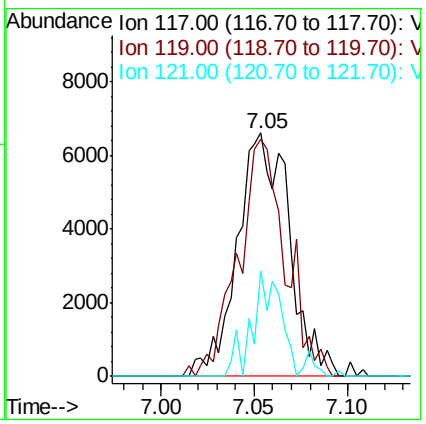


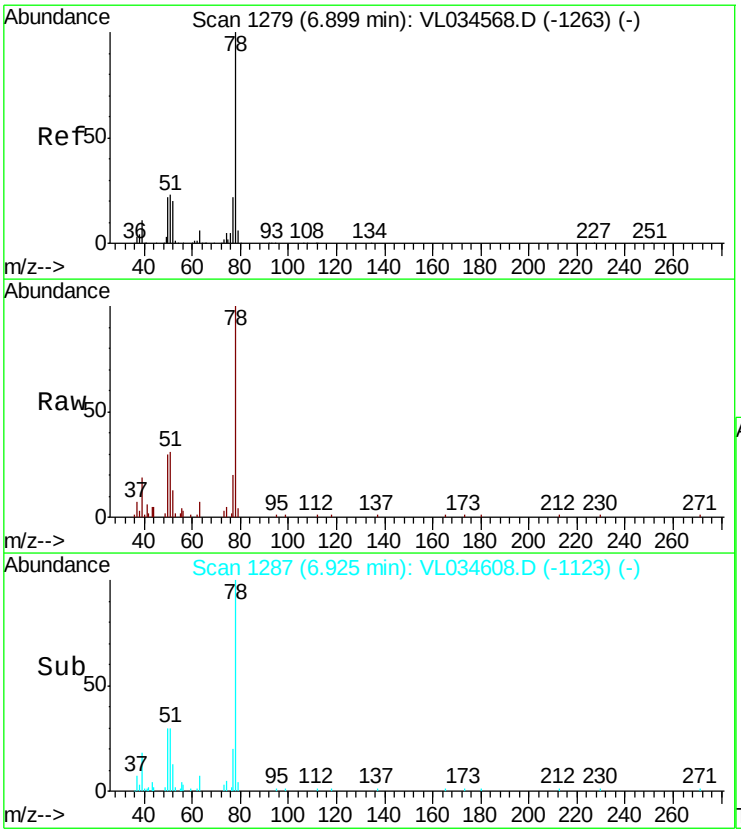
#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 7.05 min Scan# 1327
Delta R.T. 0.03 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion:117 Resp: 12755

Ion	Ratio	Lower	Upper
117	100		
119	97.6	79.5	119.3
121	43.3	26.2	39.2#

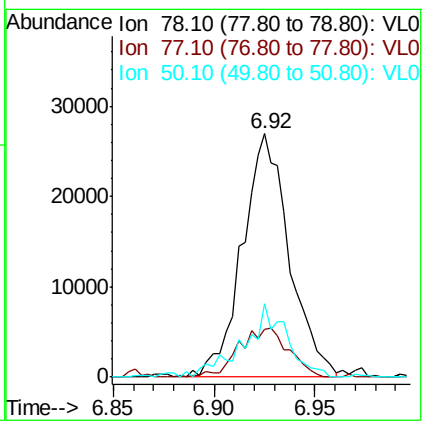


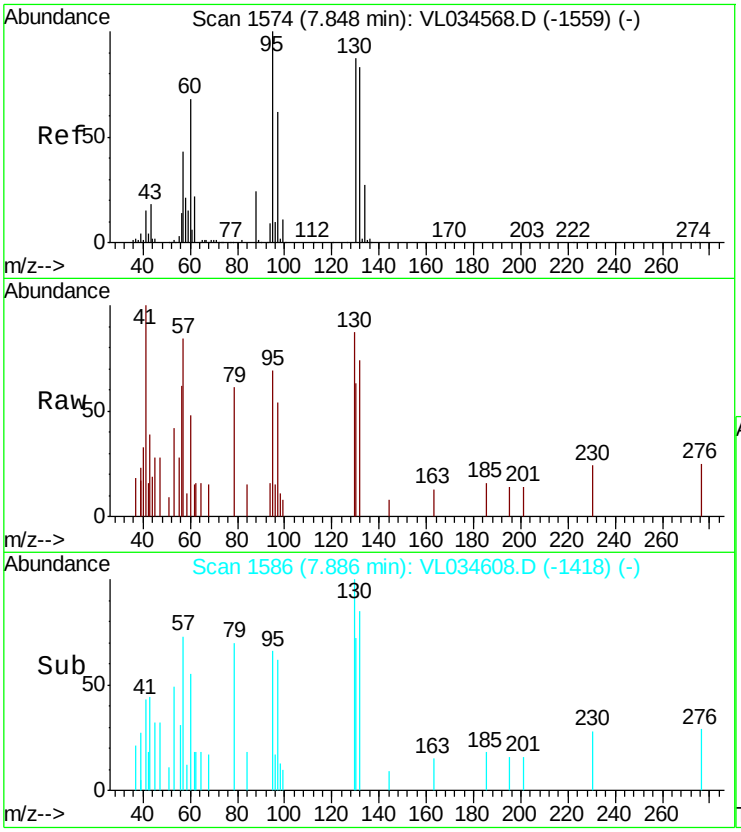


#36
Benzene
Concen: 0.268 ppbv
RT: 6.92 min Scan# 1287
Delta R.T. 0.03 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Tgt Ion: 78 Resp: 43841

Ion	Ratio	Lower	Upper
78	100		
77	19.5	17.3	25.9
50	30.1	17.4	26.2#



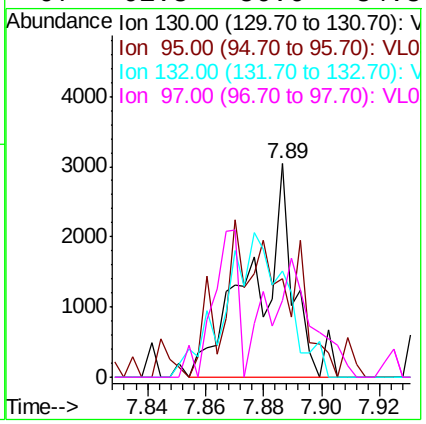


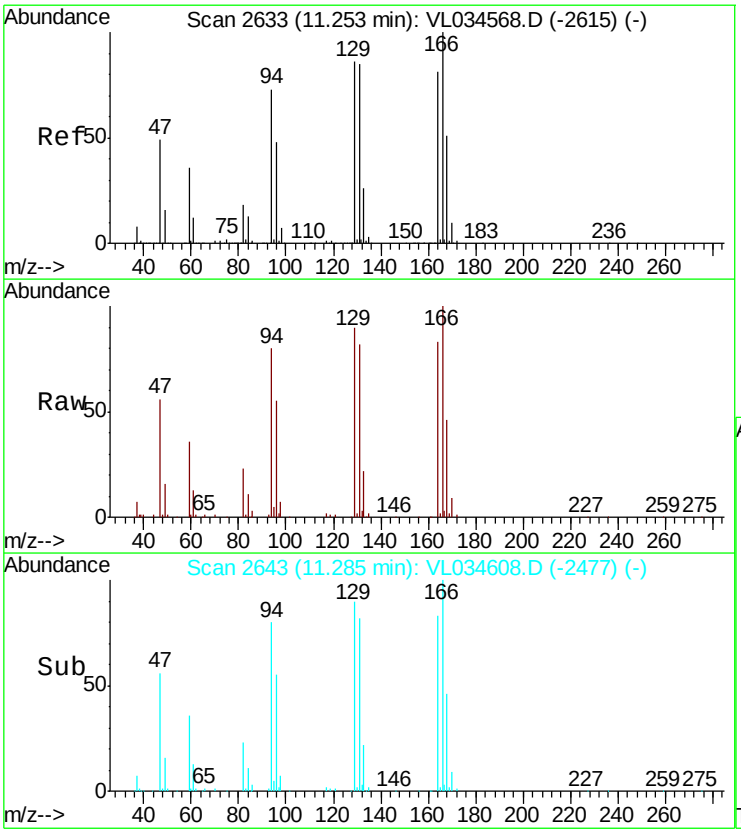
#38
Trichloroethene
Concen: 0.042 ppbv m
RT: 7.89 min Scan# 1586
Delta R.T. 0.04 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion:130 Resp: 2914

Ion	Ratio	Lower	Upper
130	100		
95	79.5	91.6	137.4#
132	85.1	76.1	114.1
97	61.8	56.6	84.8

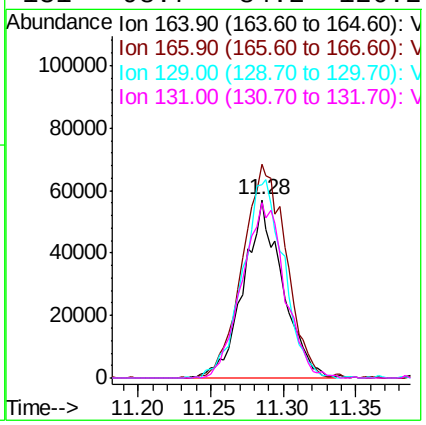


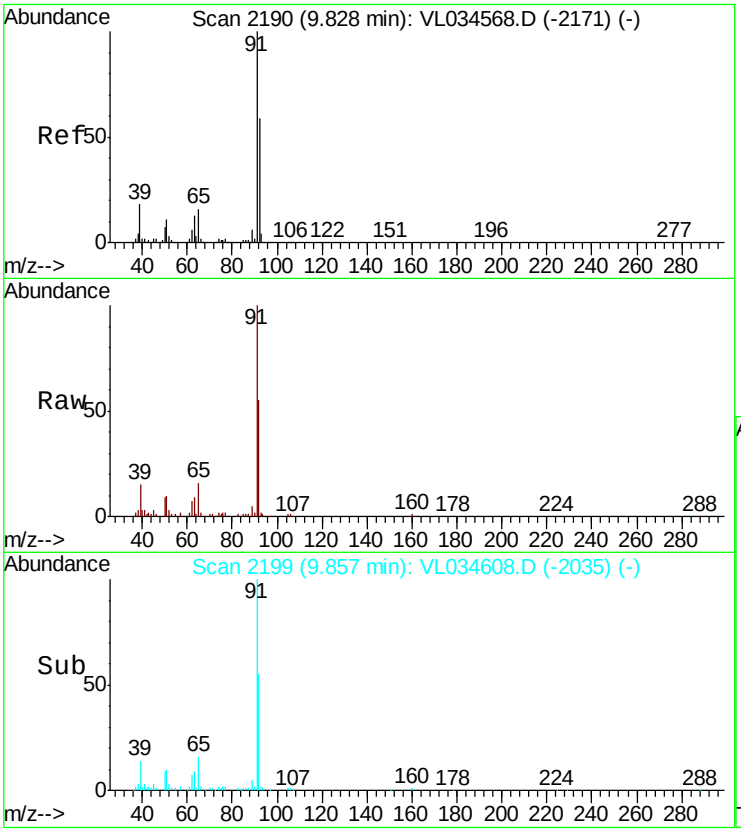


#52
Tetrachloroethene
Concen: 1.630 ppbv
RT: 11.28 min Scan# 2643
Delta R.T. 0.03 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Tgt Ion:164 Resp: 107022

Ion	Ratio	Lower	Upper
164	100		
166	120.0	99.0	148.4
129	108.5	85.3	127.9
131	98.7	84.2	126.2



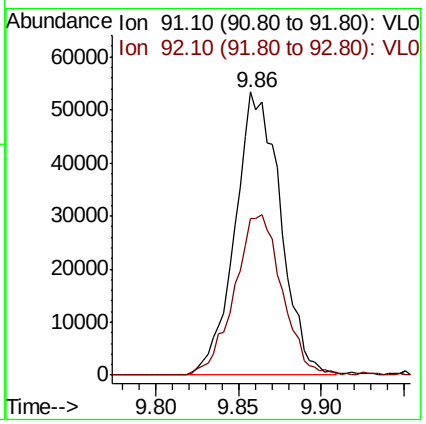


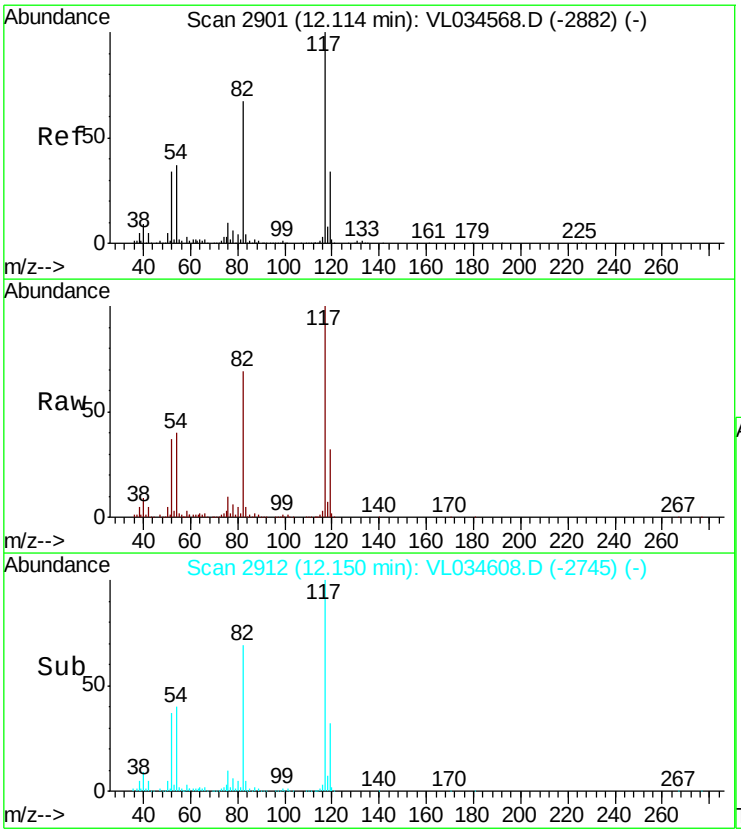
#53
Toluene
Concen: 0.569 ppbv
RT: 9.86 min Scan# 2199
Delta R.T. 0.03 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 91 Resp: 102113

Ion	Ratio	Lower	Upper
91	100		
92	59.5	48.2	72.2

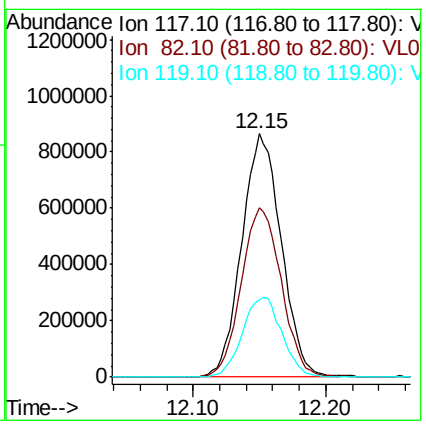


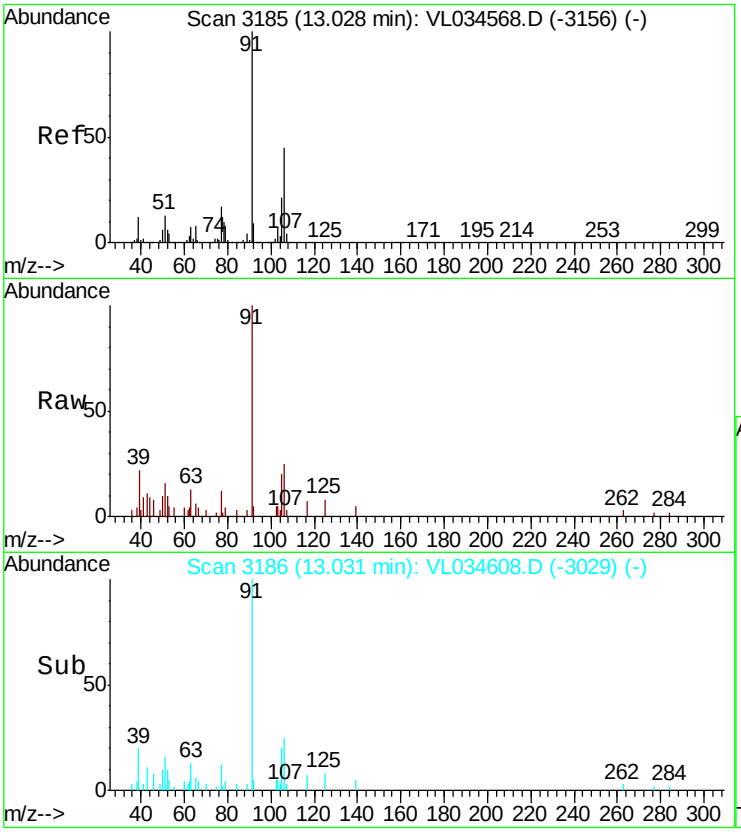


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.04 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Tgt Ion:117 Resp: 1788380

Ion	Ratio	Lower	Upper
117	100		
82	71.1	54.2	81.4
119	33.2	26.1	39.1



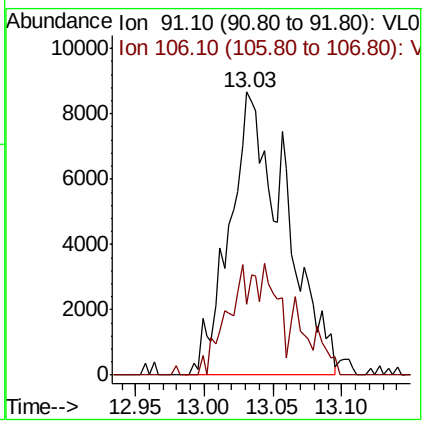


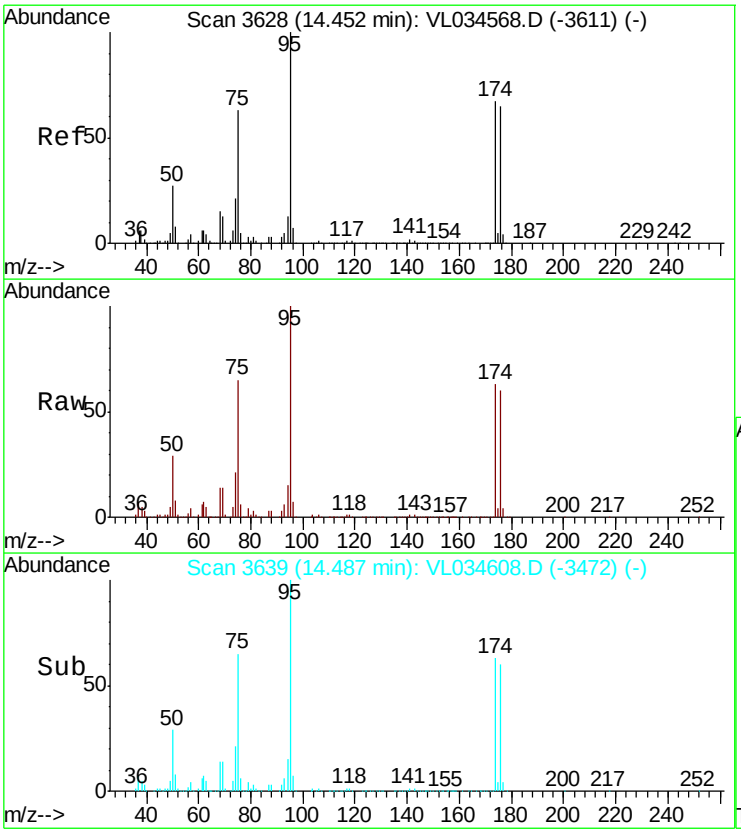
#59
m/p-Xylene
Concen: 0.116 ppbv m
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 91 Resp: 24540

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.429 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. 0.04 min
Lab File: VL034608.D
Acq: 6 Feb 2020 20:55

Tgt Ion: 95 Resp: 1576277

Ion	Ratio	Lower	Upper
95	100		
174	63.5	52.3	78.5
175	4.5	3.8	5.6