Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110420\
Data File : VL035844.D
Acq On : 4 Nov 2020 22:42
Operator : SY/AP
Sample : L4220-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Nov 05 02:58:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	838459	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.14	114	3853445	10.00	ppbv		-0.04
55) Chlorobenzene-d5	12.05	117	3465233	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.38	95	2433279	9.88	ppbv		-0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	48620	0.308	ppbv		94
3) Chlorodifluoromethane	2.97	51	48942	0.487	ppbv	#	88
4) Chloromethane	3.11	50	24027	0.493	ppbv		100
9) Propene	2.99	41	65486	1.782	ppbv		86
11) Trichlorofluoromethane	3.92	101	49384	0.249	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	10771	0.073	ppbv		94
13) Ethanol	3.59	45	135941	17.051	ppbv		95
15) Acetone	3.83	43	409165	4.565	ppbv		96
16) 1,3-Butadiene	3.28	39	1936	0.050	ppbv	#	1
19) Isopropyl Alcohol	3.96	45	12466	0.226	ppbv	#	90
20) Methylene Chloride	4.31	84	1155926	18.318	ppbv		99
23) Vinyl Acetate	5.03	43	13773	0.110	ppbv	#	45
25) Ethyl Acetate	5.65	43	366151	2.073	ppbv	#	73
26) Hexane	5.65	57	663750	6.816	ppbv	#	45
30) Cyclohexane	7.10	84	6773	0.064	ppbv	#	16
34) 2-Butanone	5.22	43	19940	0.159	ppbv	#	80
35) Carbon Tetrachloride	6.99	117	11138	0.054	ppbv		88
36) Benzene	6.86	78	91643	0.320	ppbv		94
39) 1,2-Dichloropropane	7.14	63	692404	7.179	ppbv	#	30
41) Tetrahydrofuran	5.65	42	184091	2.591	ppbv	#	41
44) 2,2,4-Trimethylpentane	7.84	57	49639	0.131	ppbv	#	79
53) Toluene	9.77	91	211964	0.613	ppbv		99
58) Ethyl Benzene	12.68	91	17485	0.041	ppbv		93
59) m/p-Xylene	12.95	91	30501	0.085	ppbv	#	28
60) o-Xylene	13.65	91	18572	0.053	ppbv	#	51
74) 1,2,4-Trimethylbenzene	16.73	105	43266	0.105	ppbv	#	66

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110420\
Data File : VL035844.D
Acq On : 4 Nov 2020 22:42
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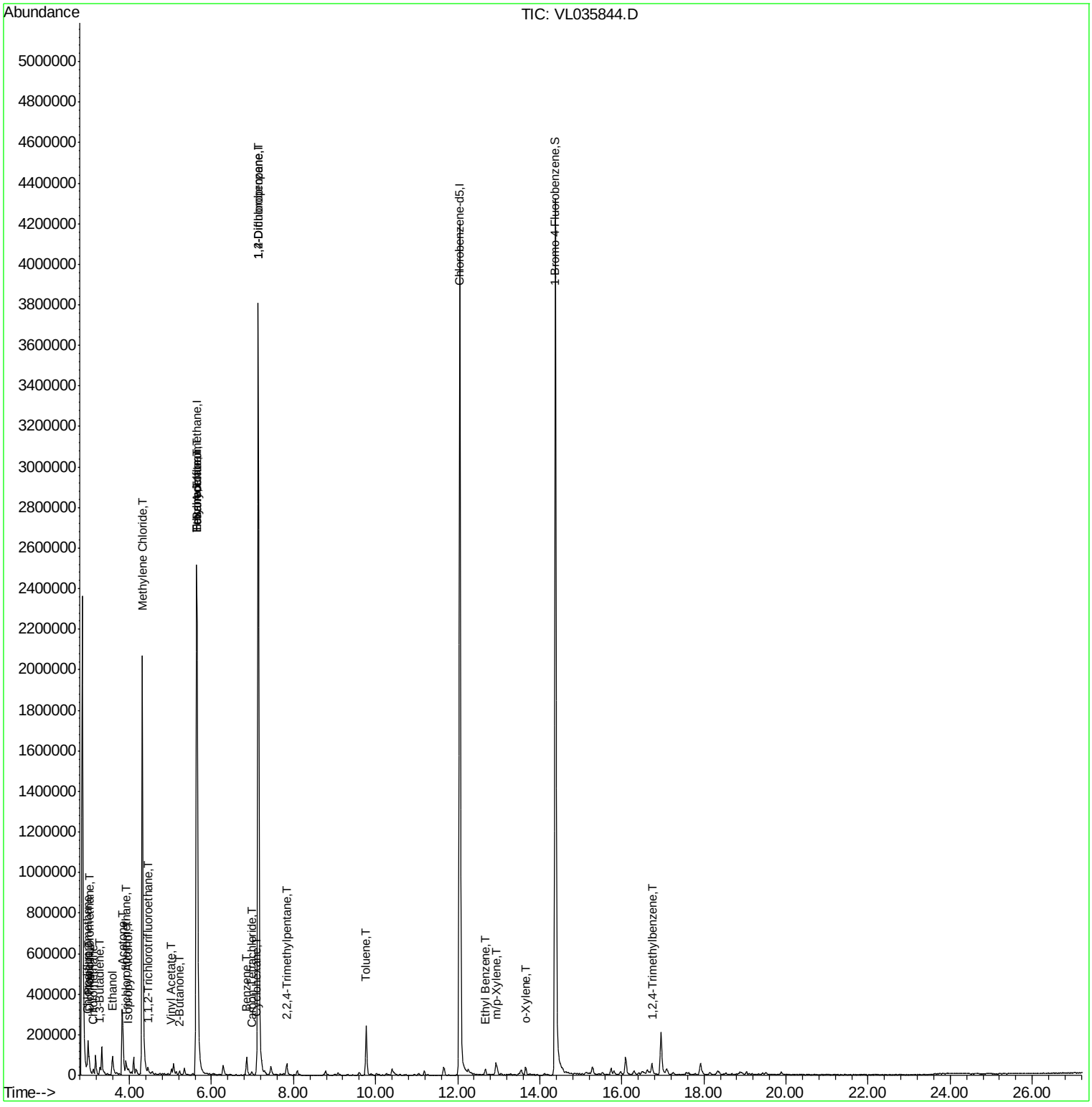
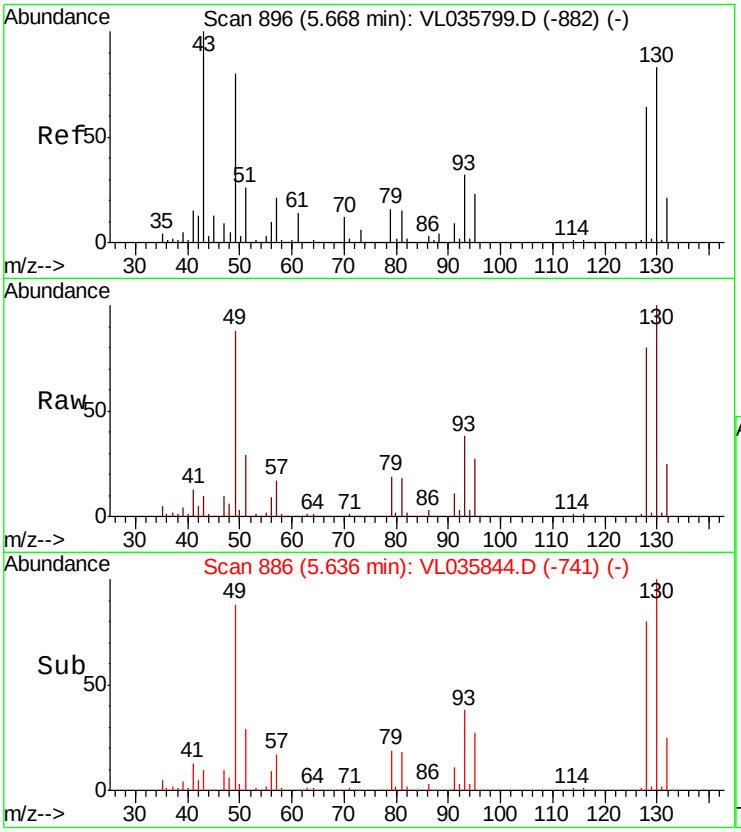
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 05 02:58:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

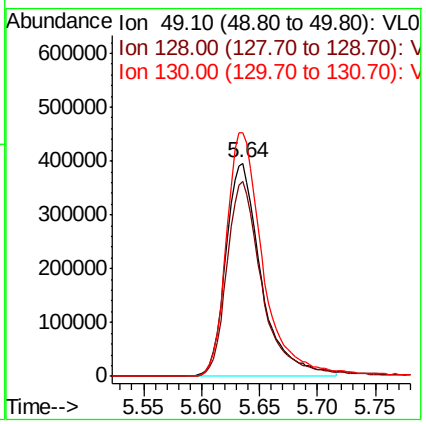




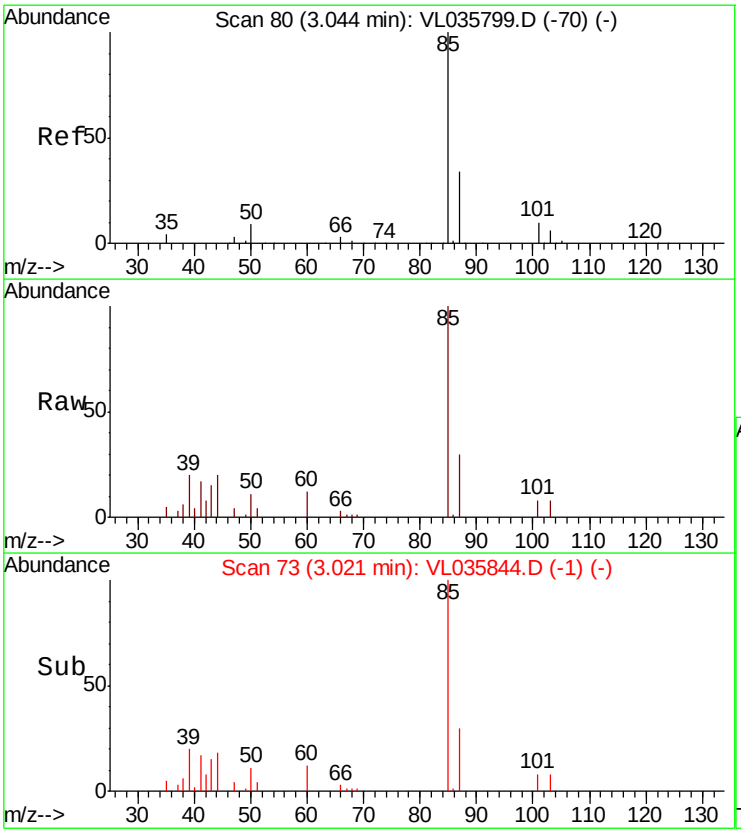
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 886
Delta R.T. -0.03 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 49 Resp: 838459

Ion	Ratio	Lower	Upper
49	100		
128	93.7	41.5	124.6
130	120.3	53.7	161.1



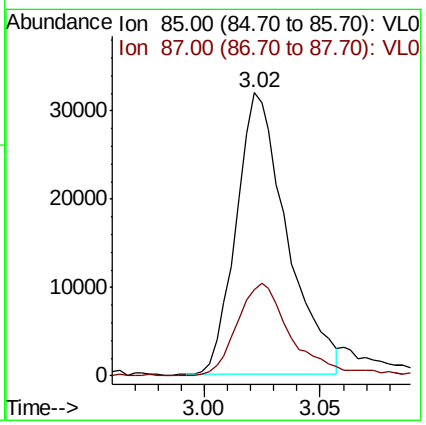
Instrument :
MSVOA_L
ClientSampleId :

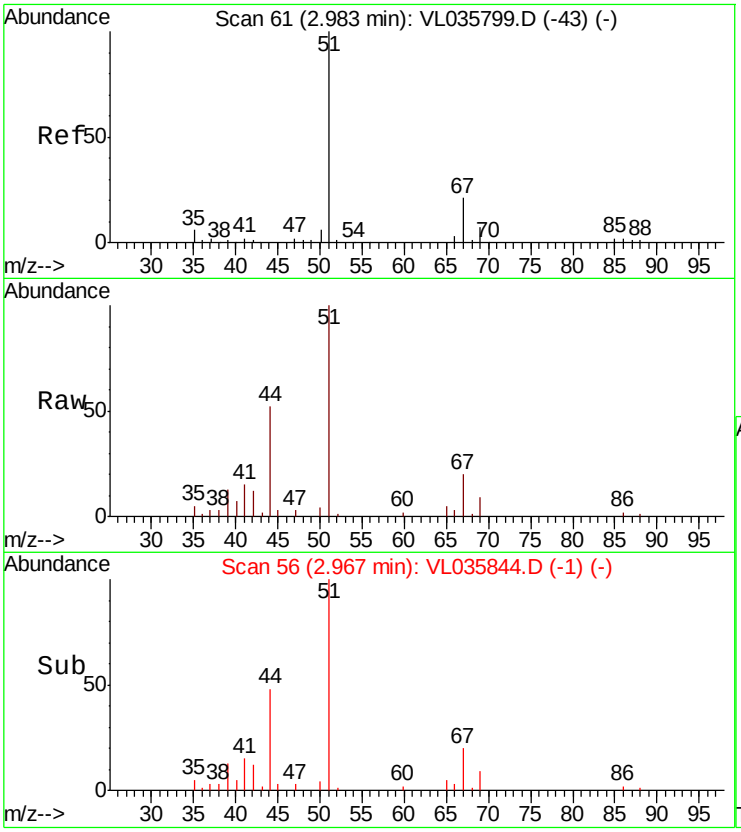


#2
Dichlorodifluoromethane
Concen: 0.308 ppbv
RT: 3.02 min Scan# 73
Delta R.T. -0.02 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 85 Resp: 48620

Ion	Ratio	Lower	Upper
85	100		
87	30.5	27.1	40.7



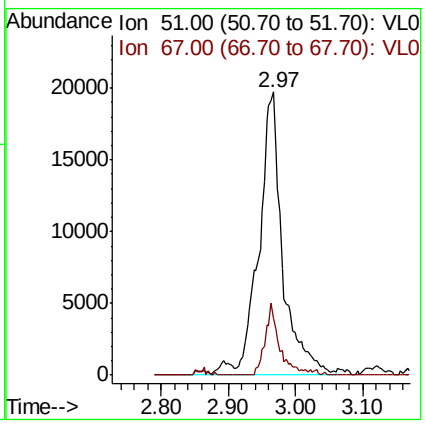


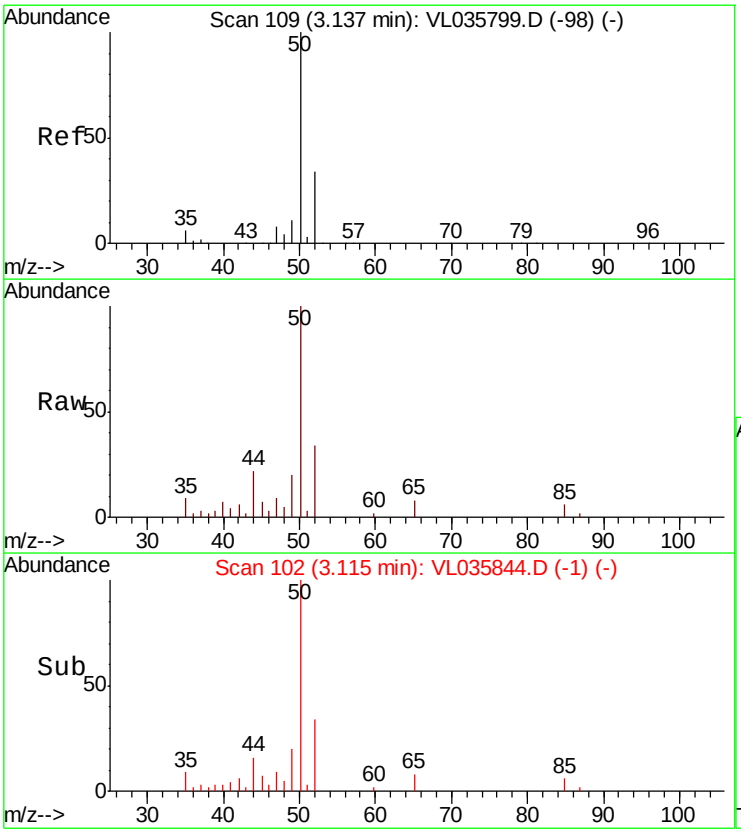
#3
Chlorodifluoromethane
Concen: 0.487 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.02 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 48942

Ion	Ratio	Lower	Upper
51	100		
67	15.6	17.0	25.4#

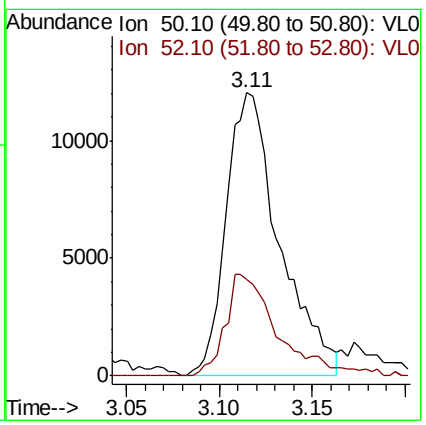


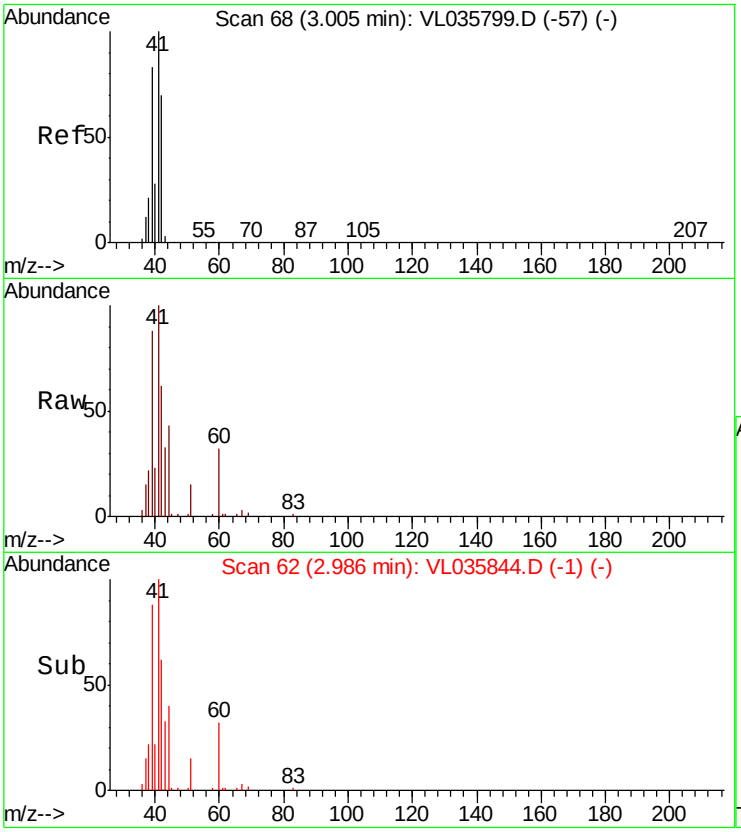


#4
Chloromethane
Concen: 0.493 ppbv
RT: 3.11 min Scan# 102
Delta R.T. -0.02 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 50 Resp: 24027

Ion	Ratio	Lower	Upper
50	100		
52	34.1	27.1	40.7



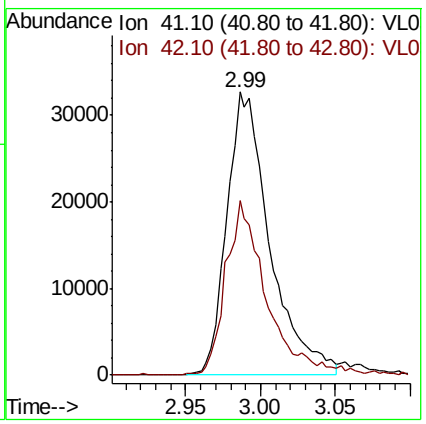


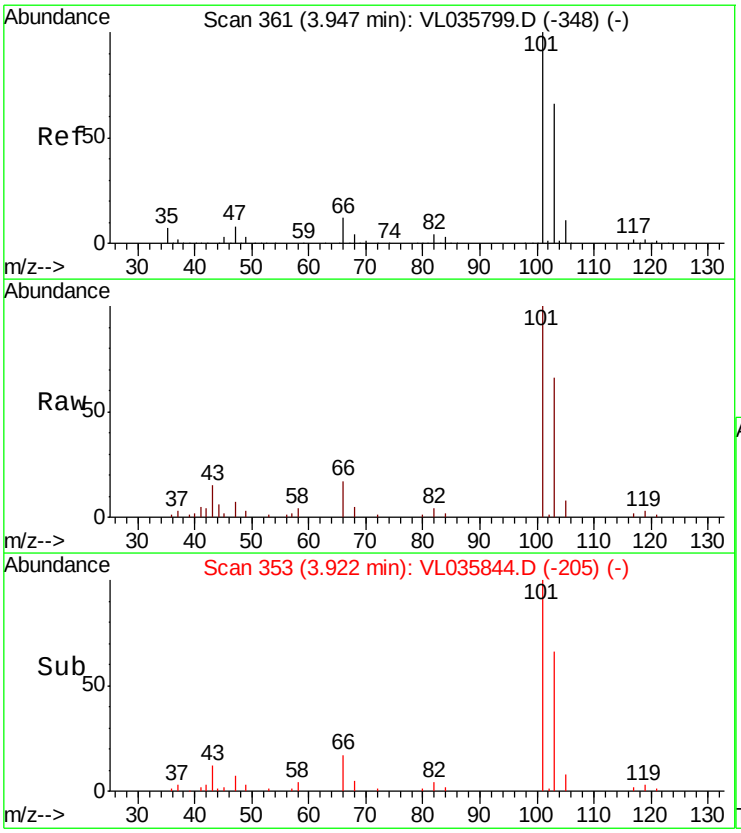
#9
Propene
Concen: 1.782 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.02 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 65486

Ion	Ratio	Lower	Upper
41	100		
42	59.1	56.2	84.4

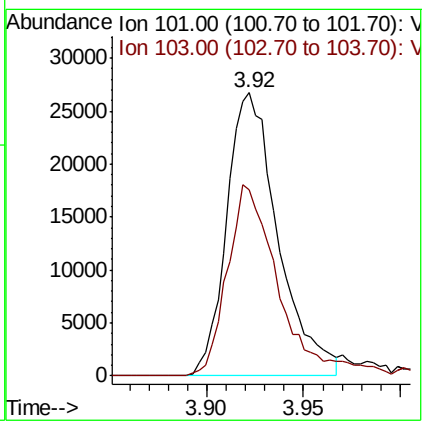


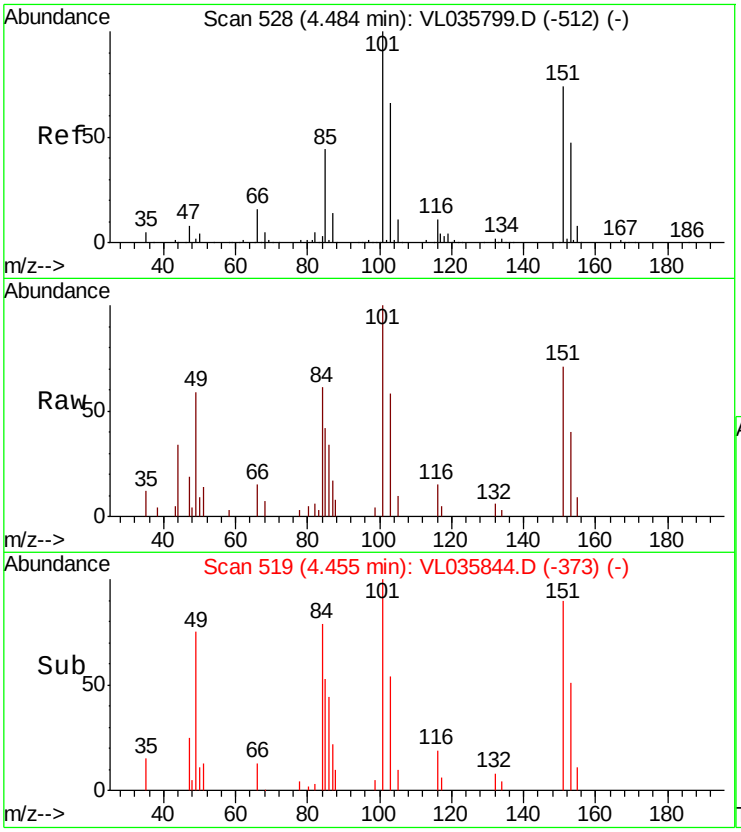


#11
Trichlorofluoromethane
Concen: 0.249 ppbv
RT: 3.92 min Scan# 353
Delta R.T. -0.03 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion:101 Resp: 49384

Ion	Ratio	Lower	Upper
101	100		
103	65.9	53.0	79.4



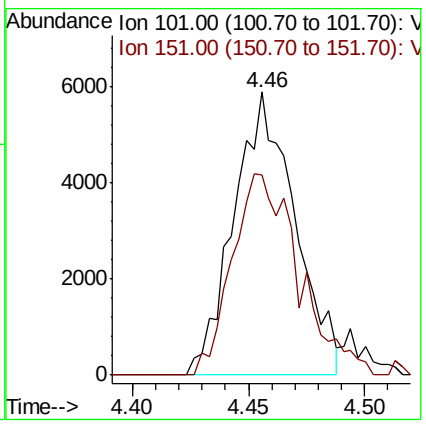


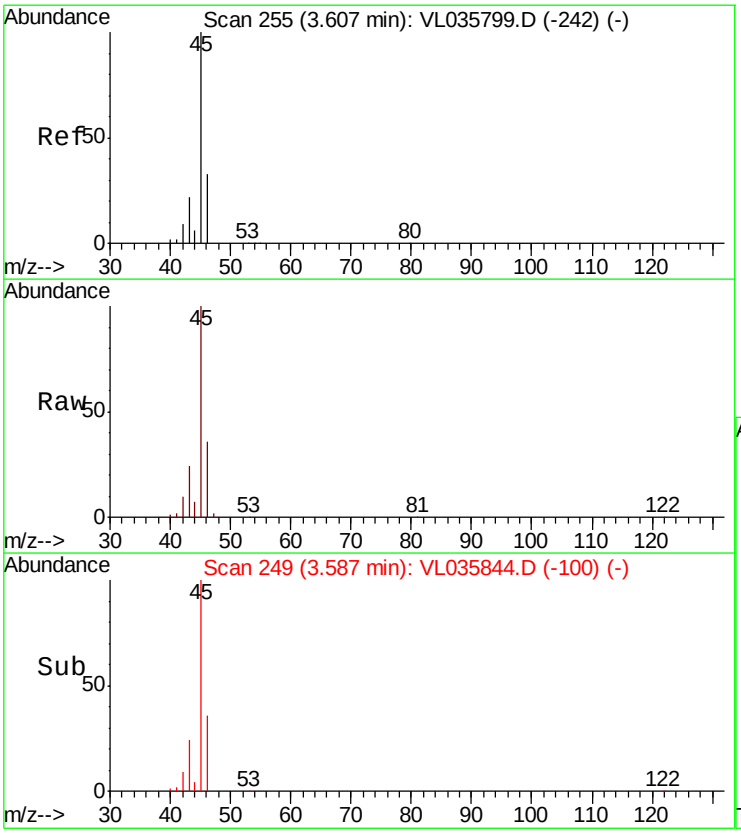
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.073 ppbv
RT: 4.46 min Scan# 519
Delta R.T. -0.03 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 10771

Ion	Ratio	Lower	Upper
101	100		
151	78.7	58.9	88.3

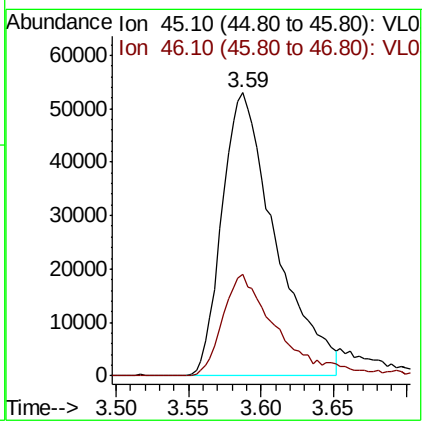


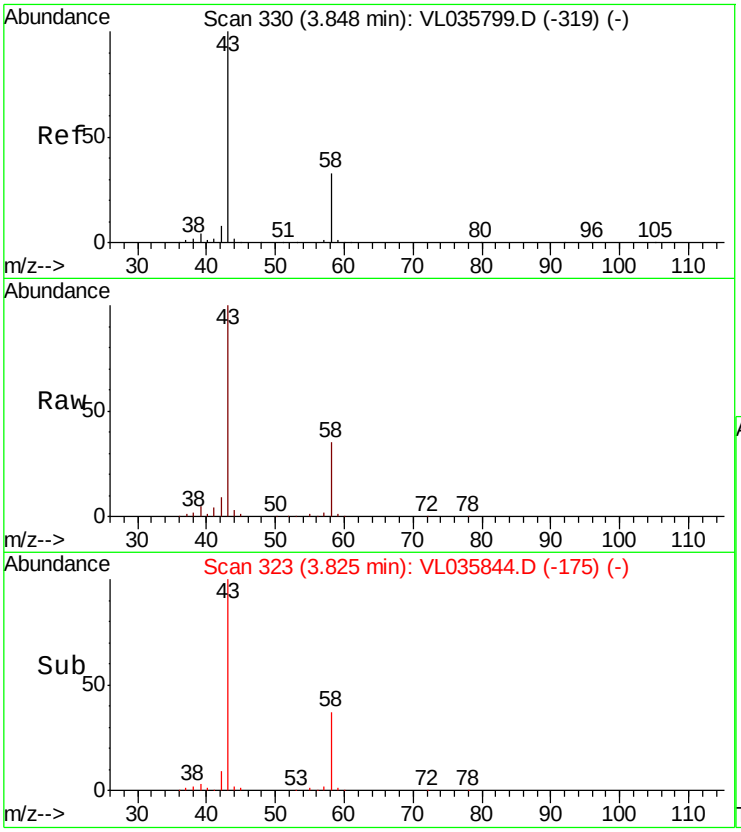


#13
Ethanol
Concen: 17.051 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 45 Resp: 135941

Ion	Ratio	Lower	Upper
45	100		
46	37.4	16.1	64.5



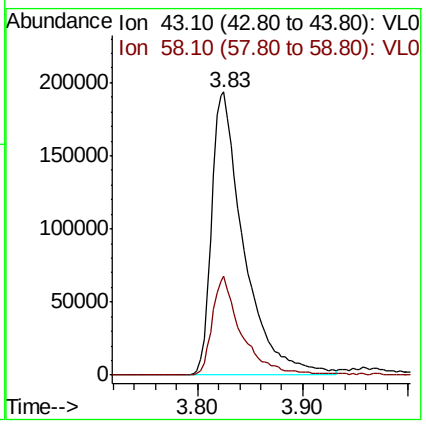


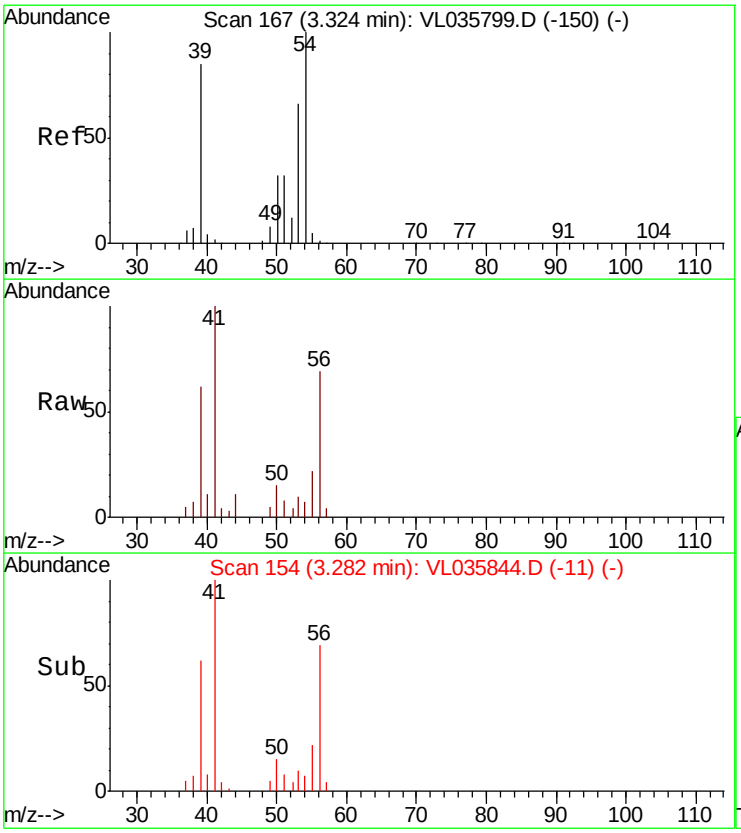
#15
Acetone
Concen: 4.565 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.02 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 409165

Ion	Ratio	Lower	Upper
43	100		
58	32.0	27.5	41.3

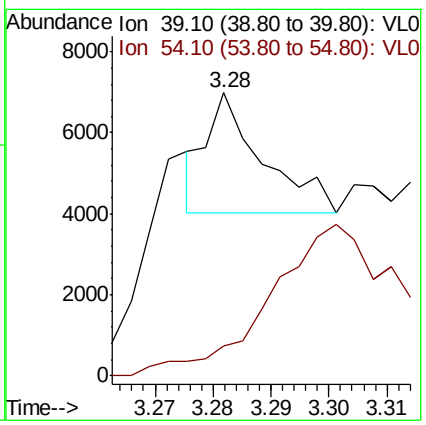


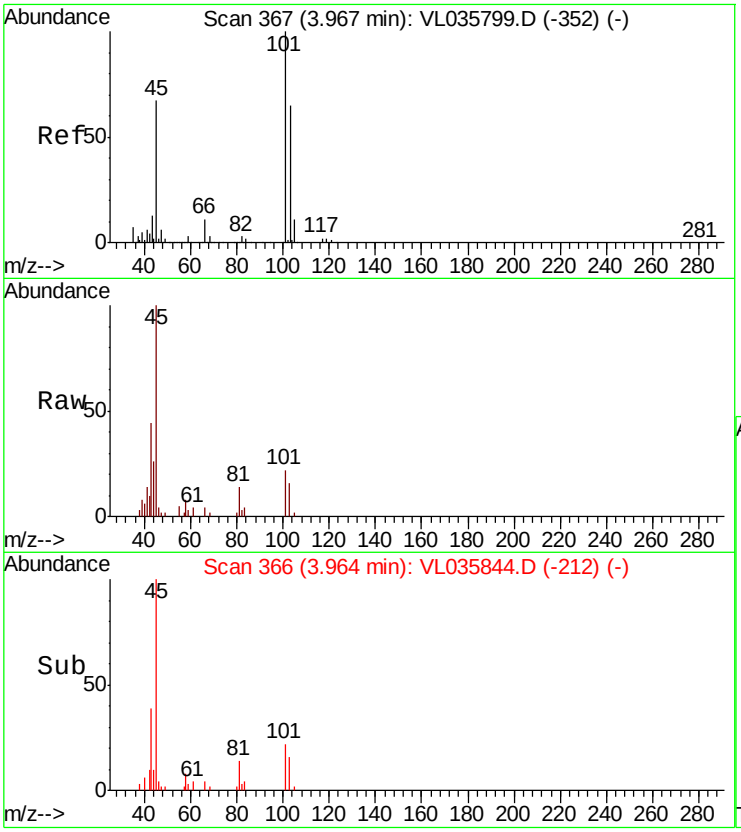


#16
1,3-Butadiene
Concen: 0.050 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.04 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 39 Resp: 1936

Ion	Ratio	Lower	Upper
39	100		
54	342.5	87.1	130.7#



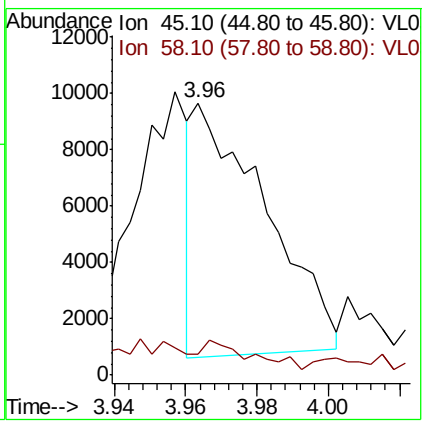


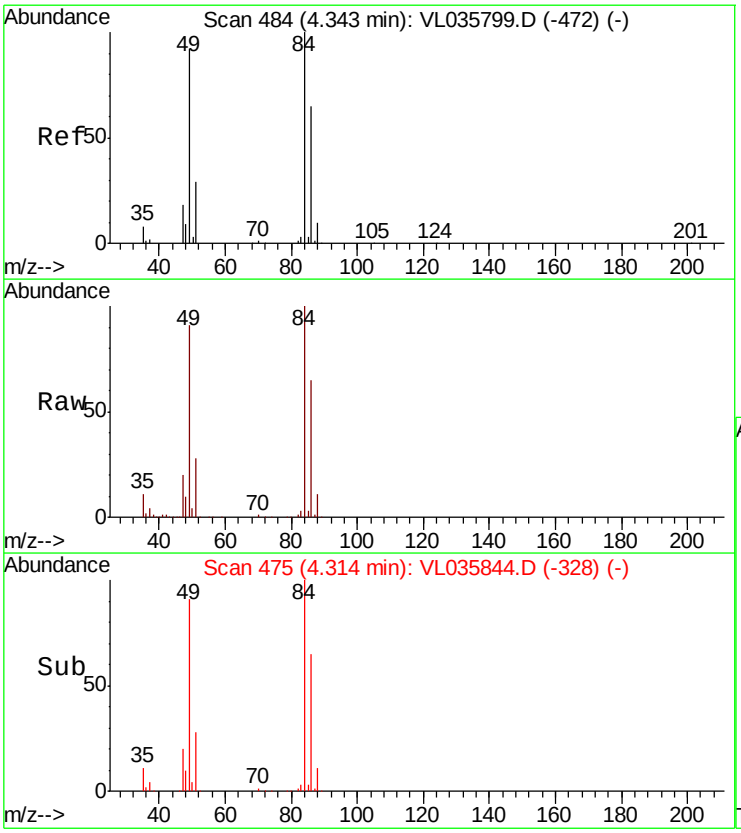
#19
Isopropyl Alcohol
Concen: 0.226 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.00 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 12466

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.6	3.8#

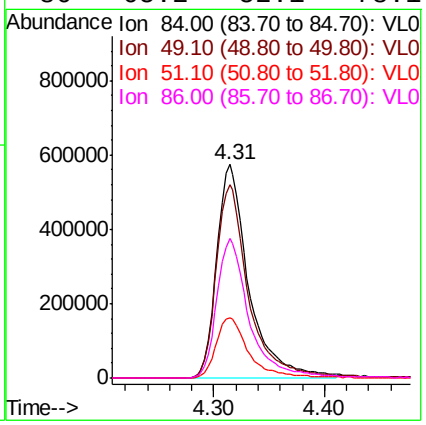


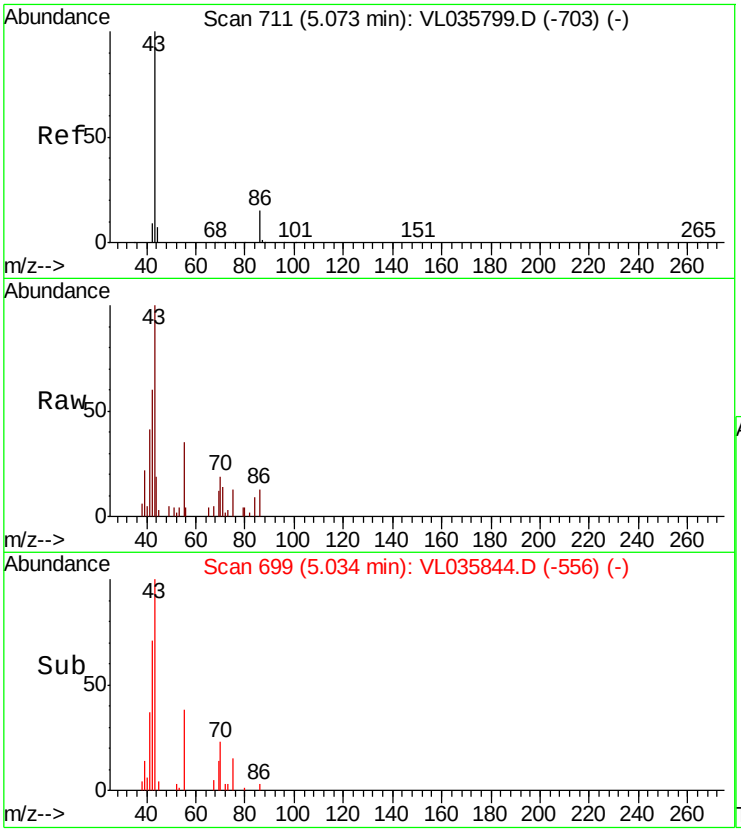


#20
Methylene Chloride
Concen: 18.318 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.03 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 84 Resp: 1155926

Ion	Ratio	Lower	Upper
84	100		
49	90.5	73.8	110.8
51	28.4	23.0	34.4
86	65.2	52.1	78.1



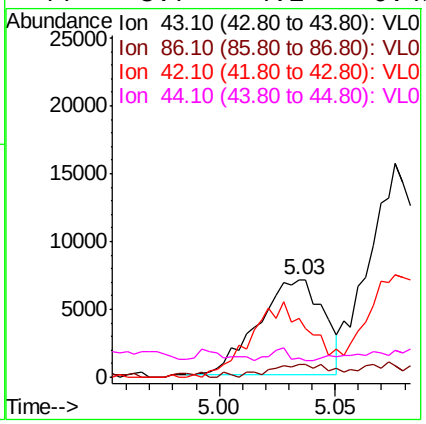


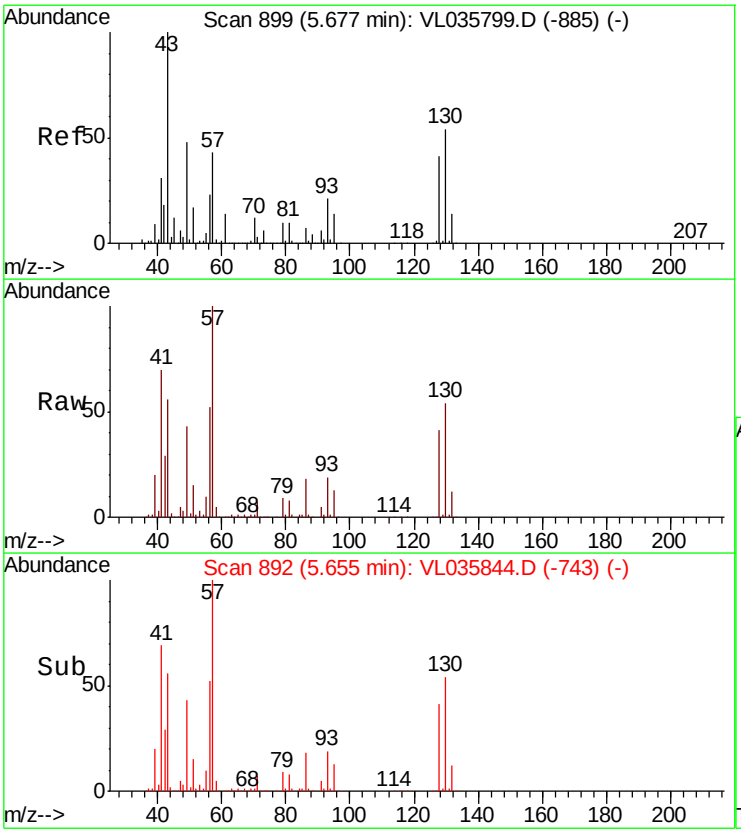
#23
Vinyl Acetate
Concen: 0.110 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.04 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 13773

Ion	Ratio	Lower	Upper
43	100		
86	9.4	9.8	14.6#
42	61.5	8.1	12.1#
44	3.7	4.2	6.4#

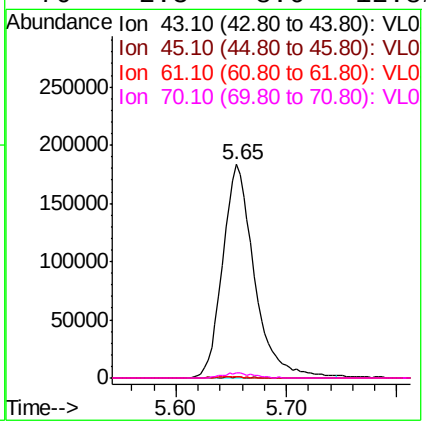


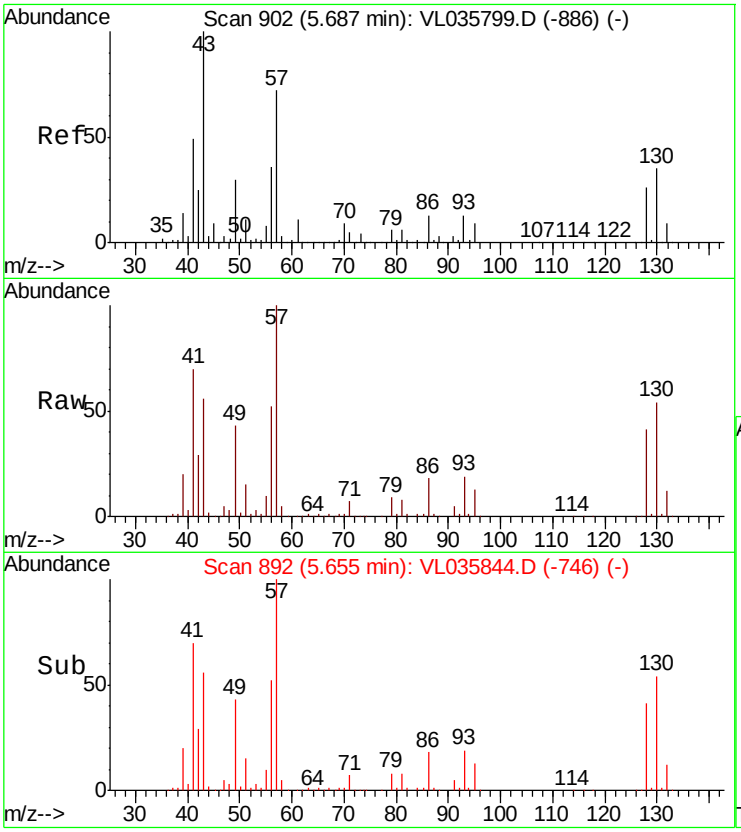


#25
Ethyl Acetate
Concen: 2.073 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 43 Resp: 366151

Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.5	12.7#
61	0.5	10.7	16.1#
70	2.3	8.6	12.8#



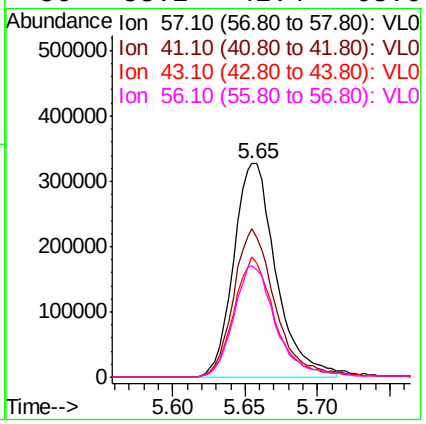


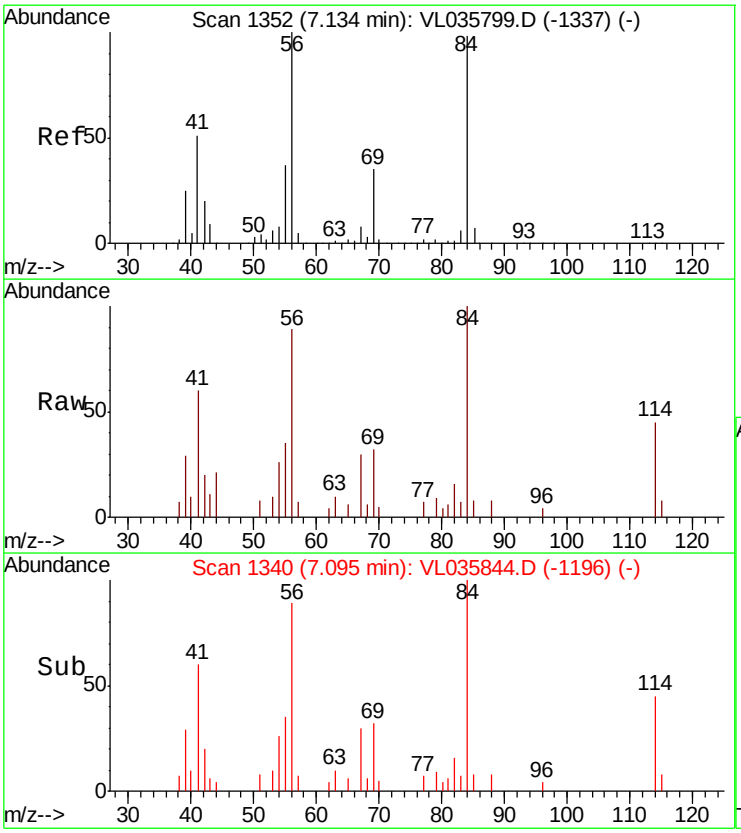
#26
Hexane
Concen: 6.816 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 663750

Ion	Ratio	Lower	Upper
57	100		
41	69.9	58.9	88.3
43	55.7	150.2	225.2#
56	53.2	42.4	63.6

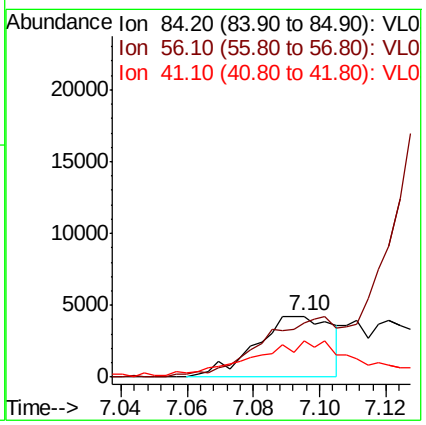


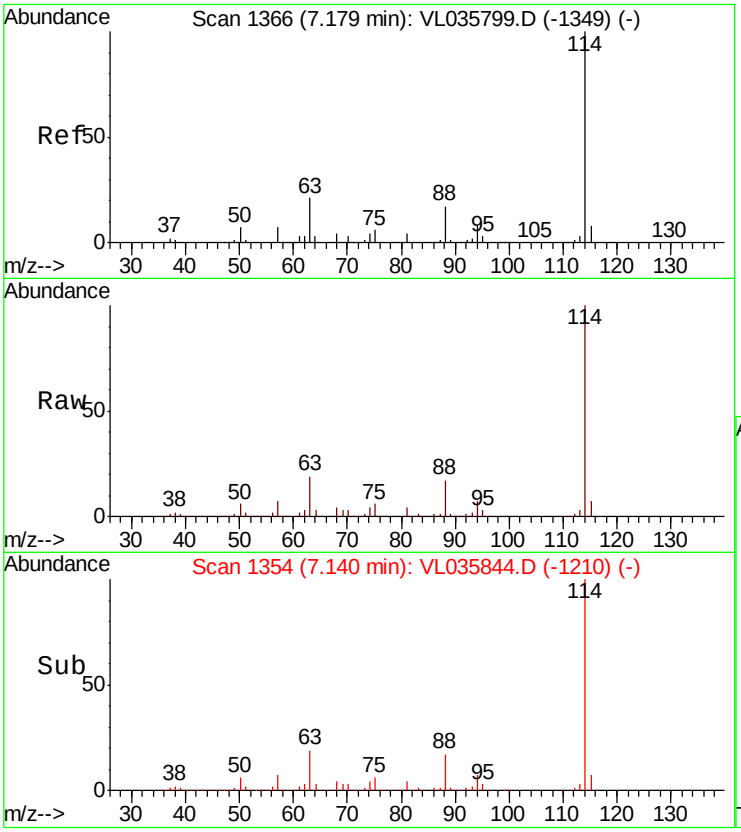


#30
Cyclohexane
Concen: 0.064 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.04 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 84 Resp: 6773

Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	83.2	42.1	63.1#



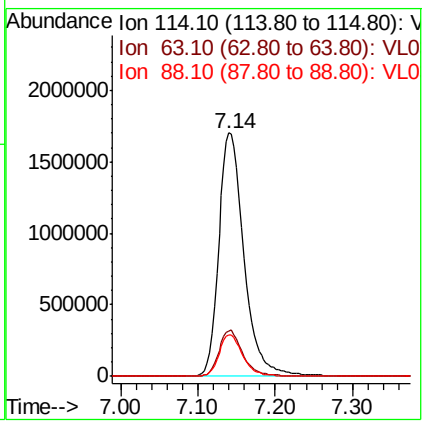


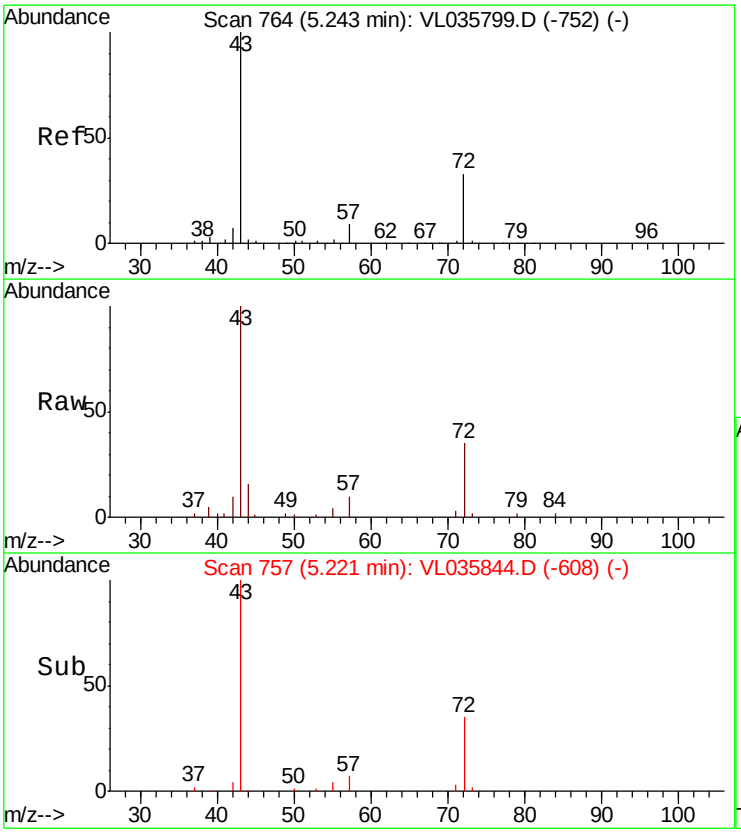
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.04 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3853445

Ion	Ratio	Lower	Upper
114	100		
63	18.1	16.1	24.1
88	16.4	13.7	20.5

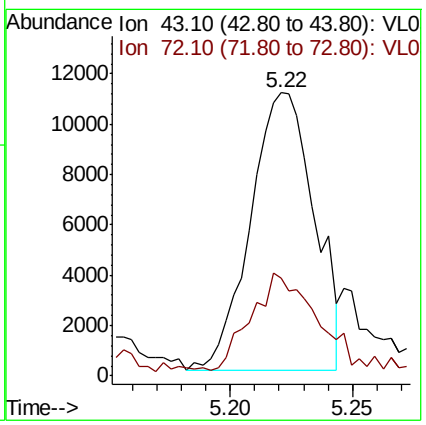


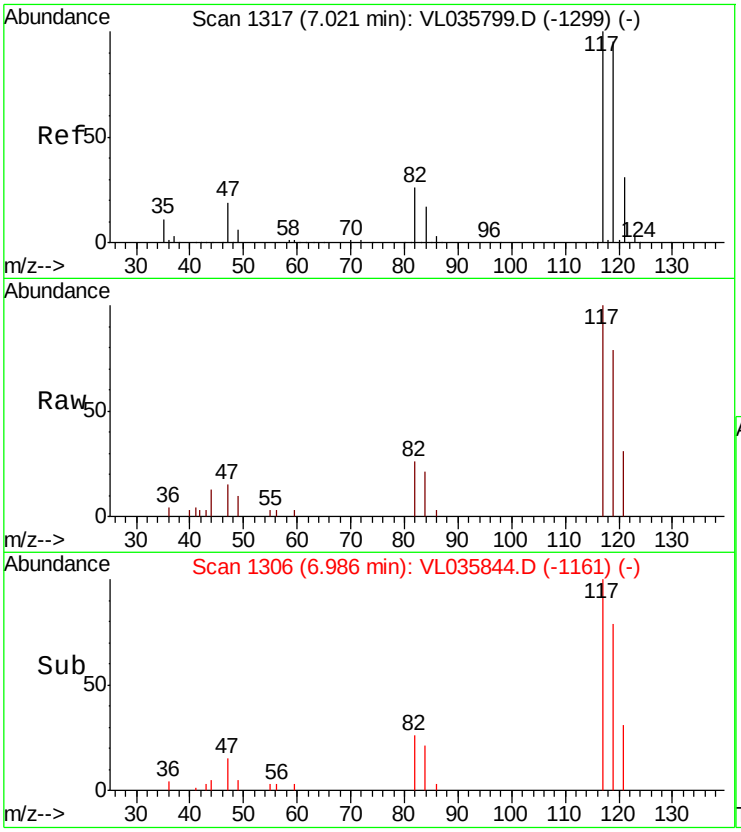


#34
2-Butanone
Concen: 0.159 ppbv
RT: 5.22 min Scan# 757
Delta R.T. -0.02 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 43 Resp: 19940

Ion	Ratio	Lower	Upper
43	100		
72	44.3	26.5	39.7#



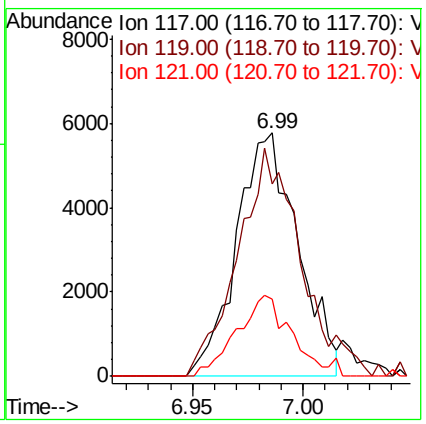


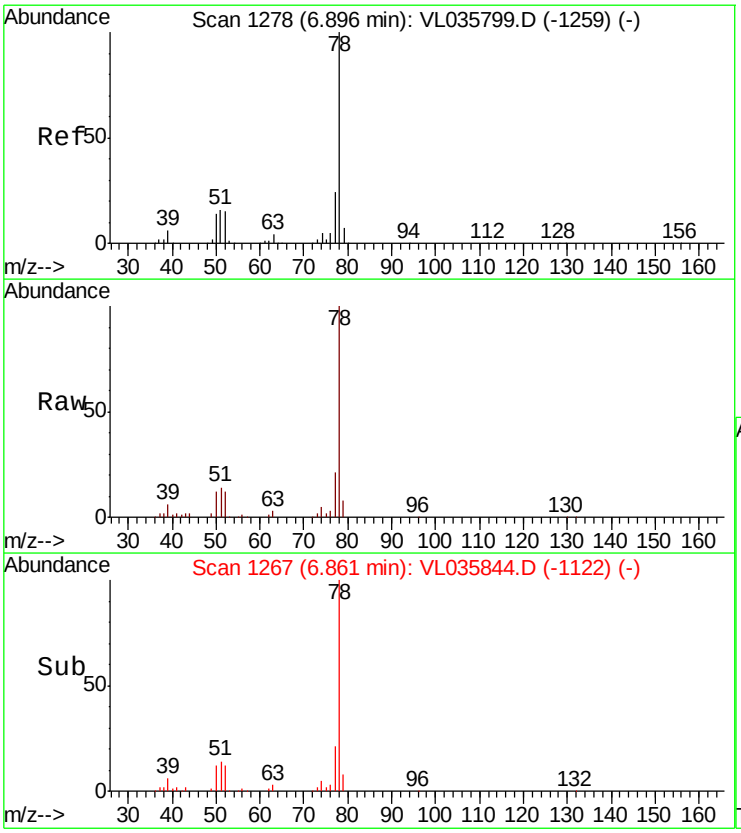
#35
Carbon Tetrachloride
Concen: 0.054 ppbv
RT: 6.99 min Scan# 1306
Delta R.T. -0.04 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 11138

Ion	Ratio	Lower	Upper
117	100		
119	79.1	75.6	113.4
121	31.5	25.1	37.7

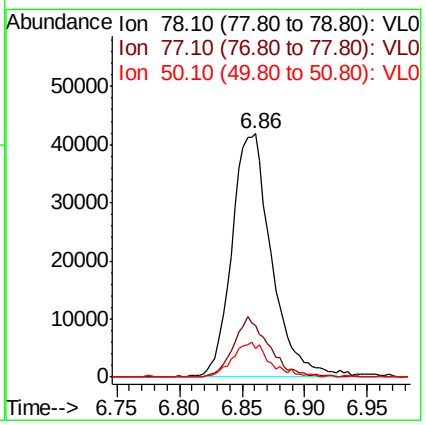


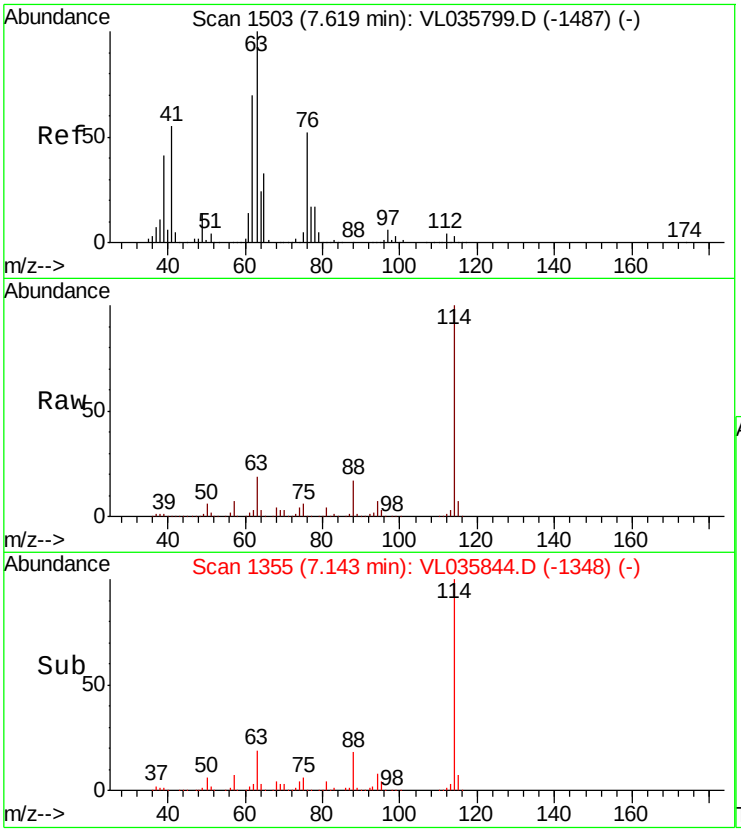


#36
Benzene
Concen: 0.320 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.04 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 78 Resp: 91643

Ion	Ratio	Lower	Upper
78	100		
77	21.2	19.3	28.9
50	11.9	11.4	17.2



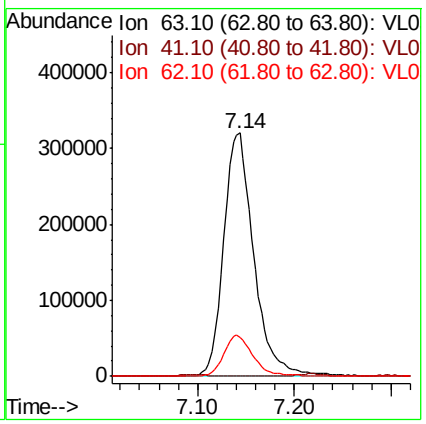


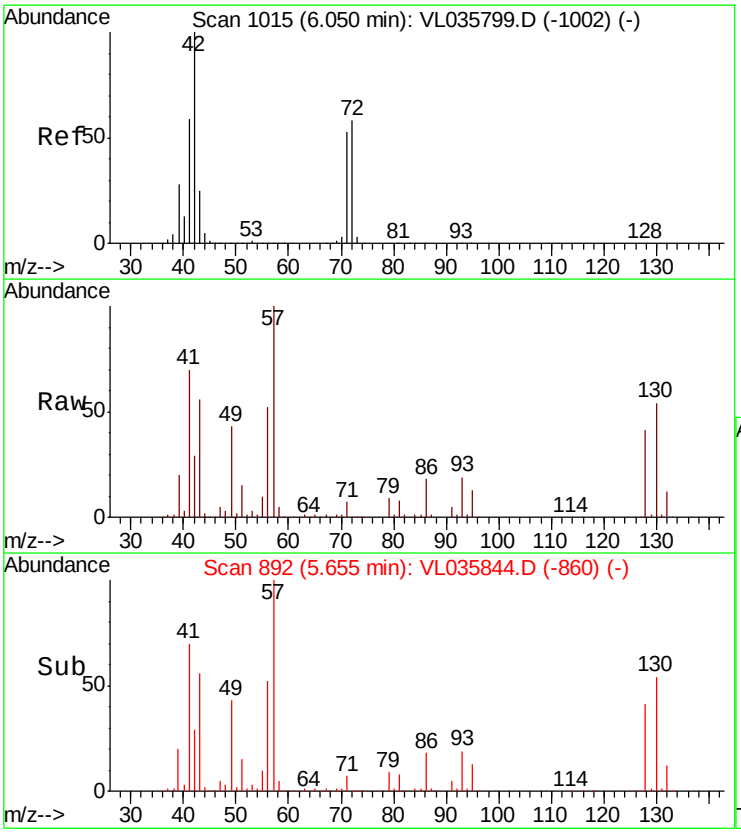
#39
1,2-Dichloropropane
Concen: 7.179 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.48 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 692404

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	15.8	56.2	84.2#

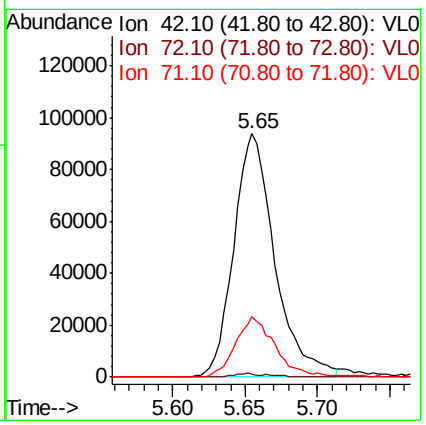


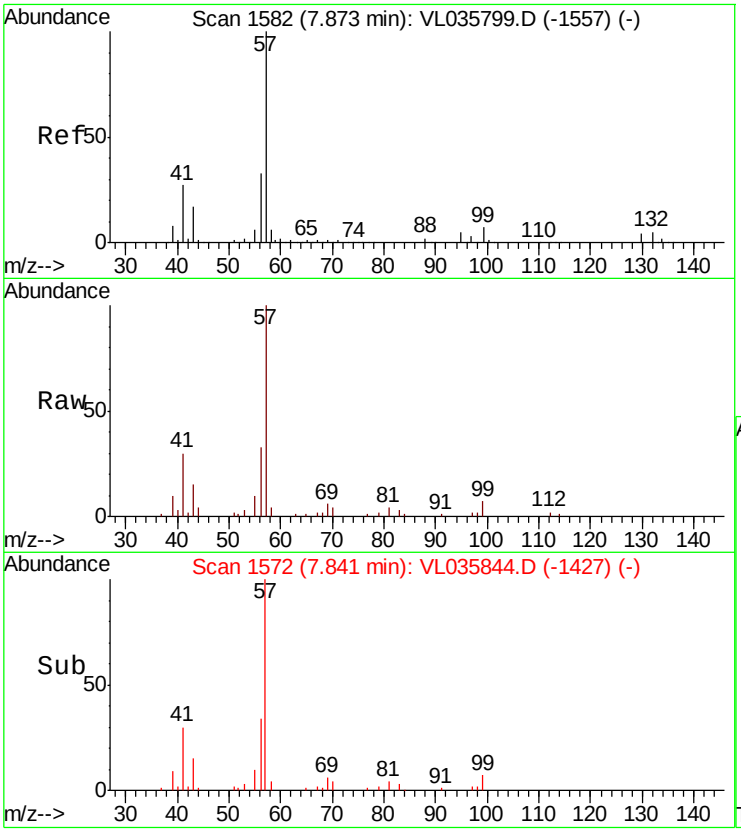


#41
Tetrahydrofuran
Concen: 2.591 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.40 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 42 Resp: 184091

Ion	Ratio	Lower	Upper
42	100		
72	1.4	45.4	68.0#
71	24.3	43.4	65.2#



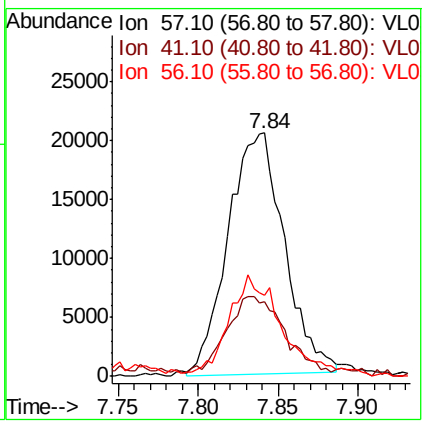


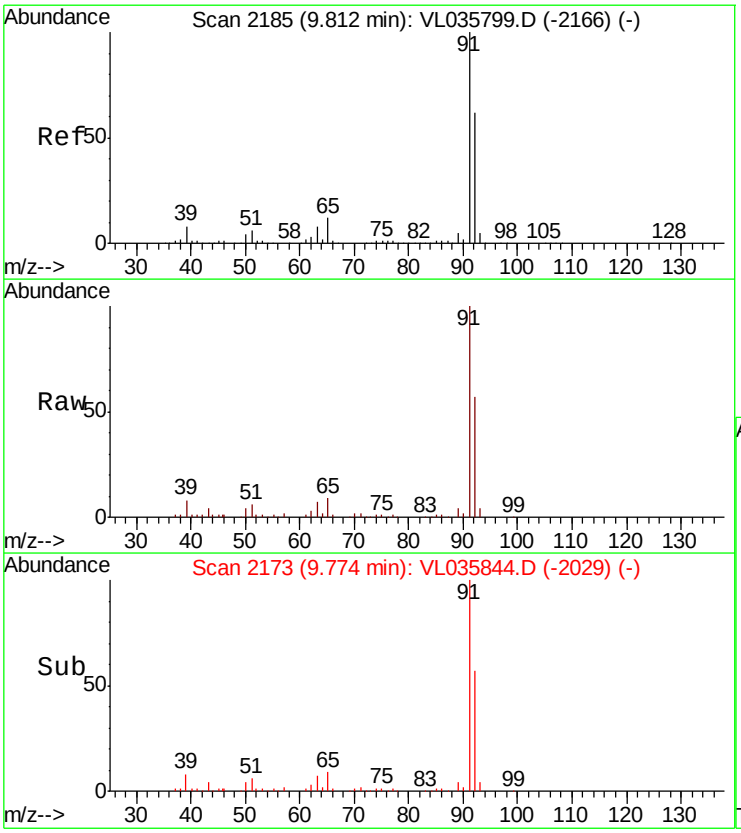
#44
2,2,4-Trimethylpentane
Concen: 0.131 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.03 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 49639

Ion	Ratio	Lower	Upper
57	100		
41	40.8	21.0	31.4#
56	39.9	25.4	38.0#

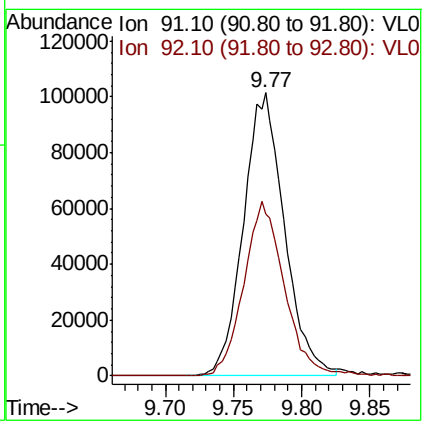


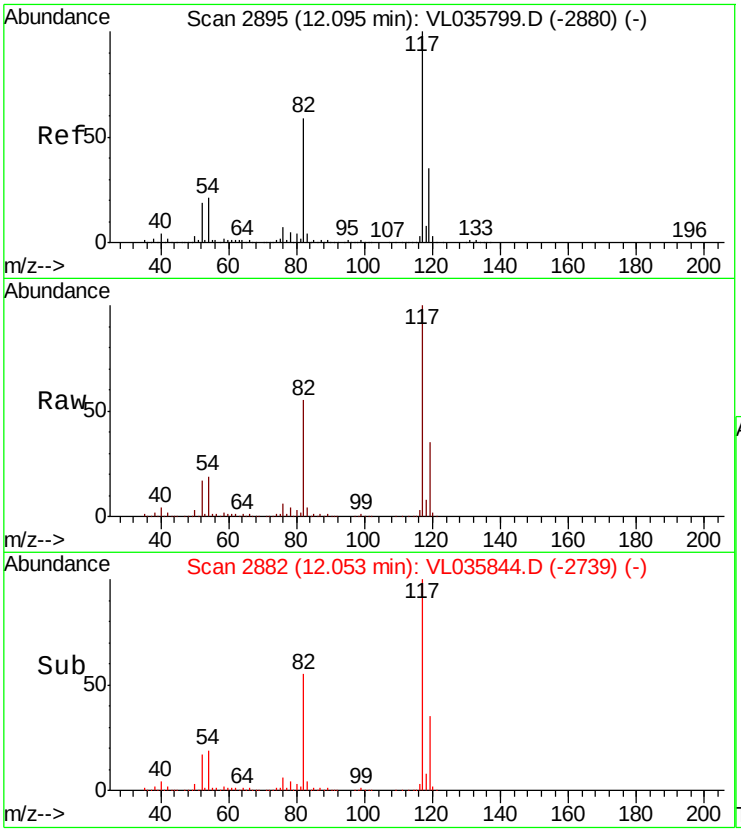


#53
Toluene
Concen: 0.613 ppbv
RT: 9.77 min Scan# 2173
Delta R.T. -0.04 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 91 Resp: 211964

Ion	Ratio	Lower	Upper
91	100		
92	61.5	49.8	74.6



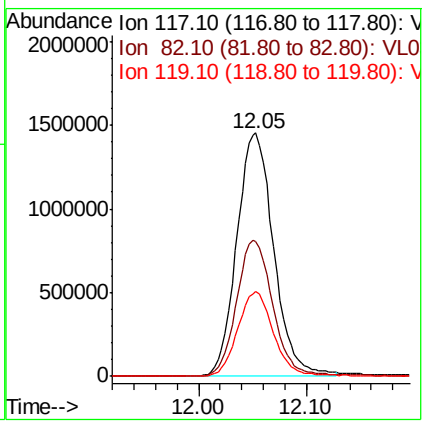


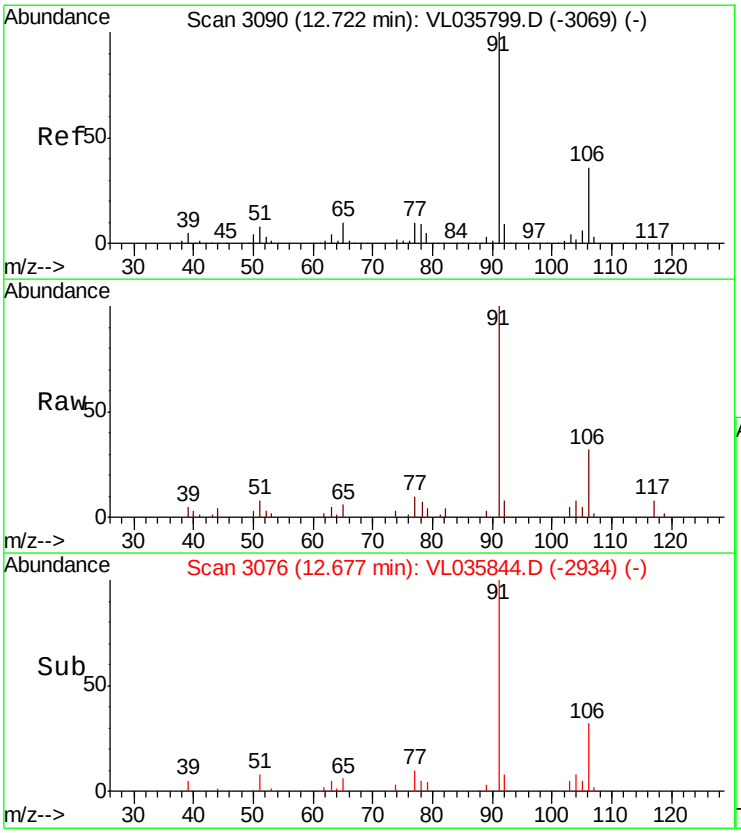
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.04 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3465233

Ion	Ratio	Lower	Upper
117	100		
82	56.4	50.6	76.0
119	34.3	52.6	78.8#

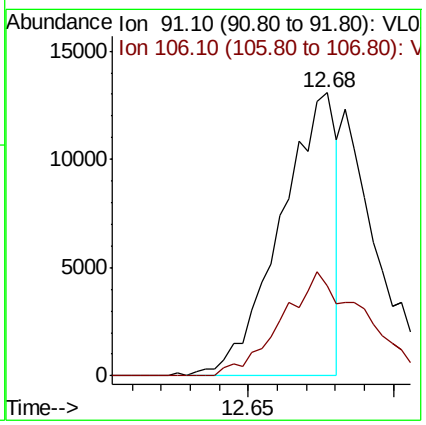


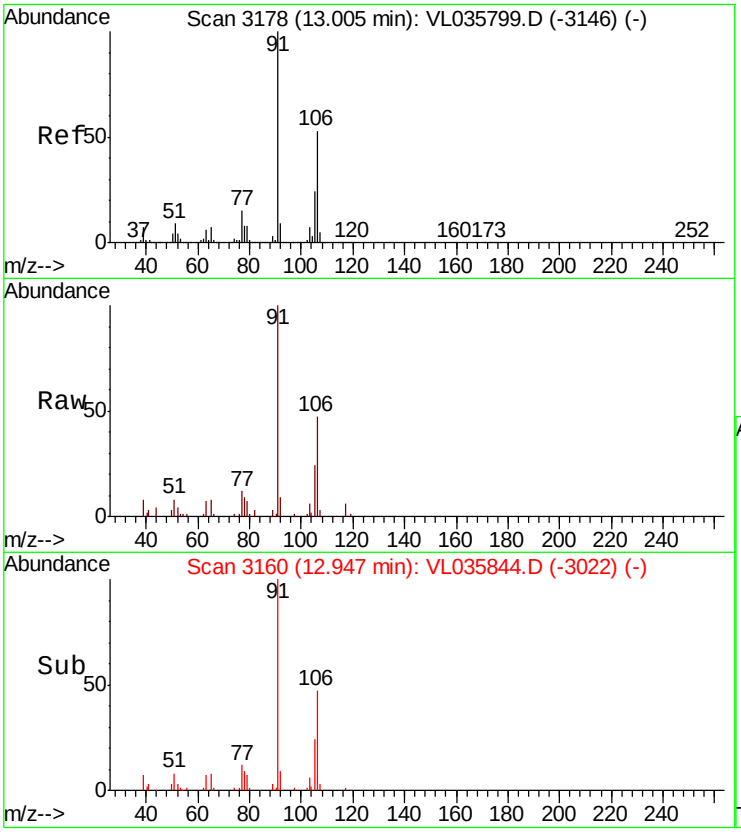


#58
Ethyl Benzene
Concen: 0.041 ppbv
RT: 12.68 min Scan# 3076
Delta R.T. -0.05 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 91 Resp: 17485

Ion	Ratio	Lower	Upper
91	100		
106	31.9	28.6	43.0



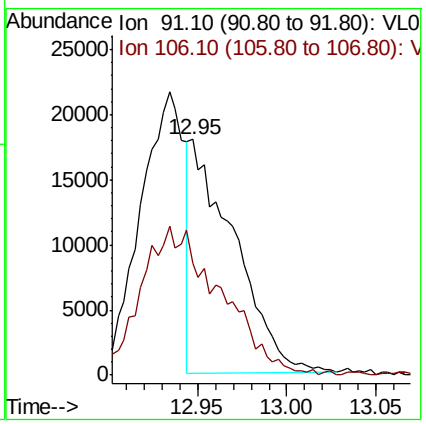


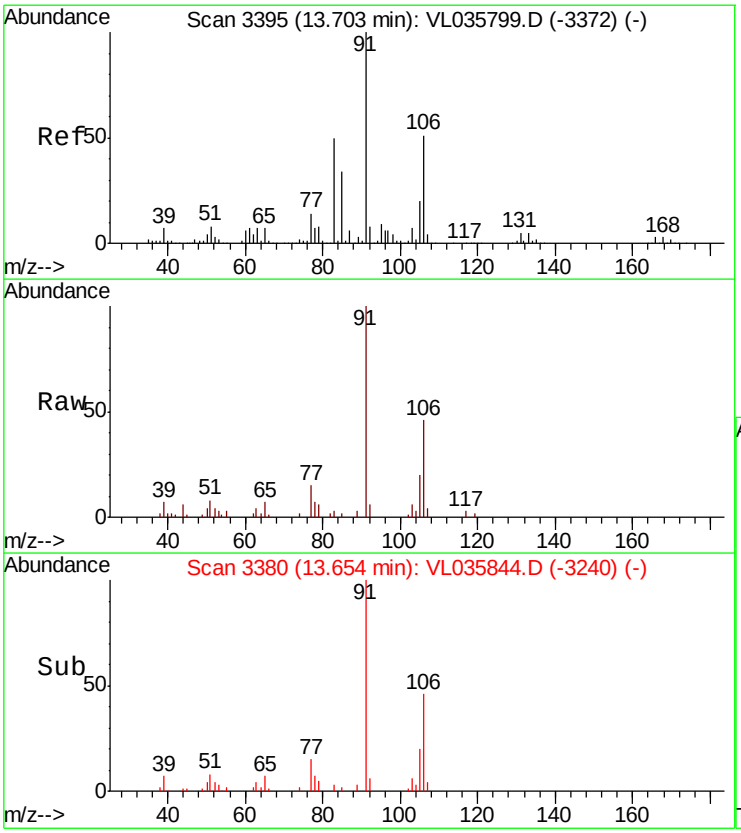
#59
m/p-Xylene
Concen: 0.085 ppbv
RT: 12.95 min Scan# 3160
Delta R.T. -0.06 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 30501

Ion	Ratio	Lower	Upper
91	100		
106	0.0	39.5	59.3#

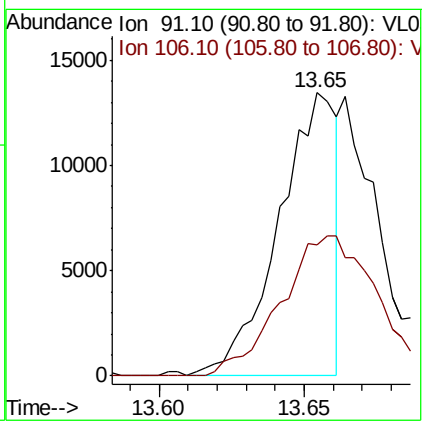


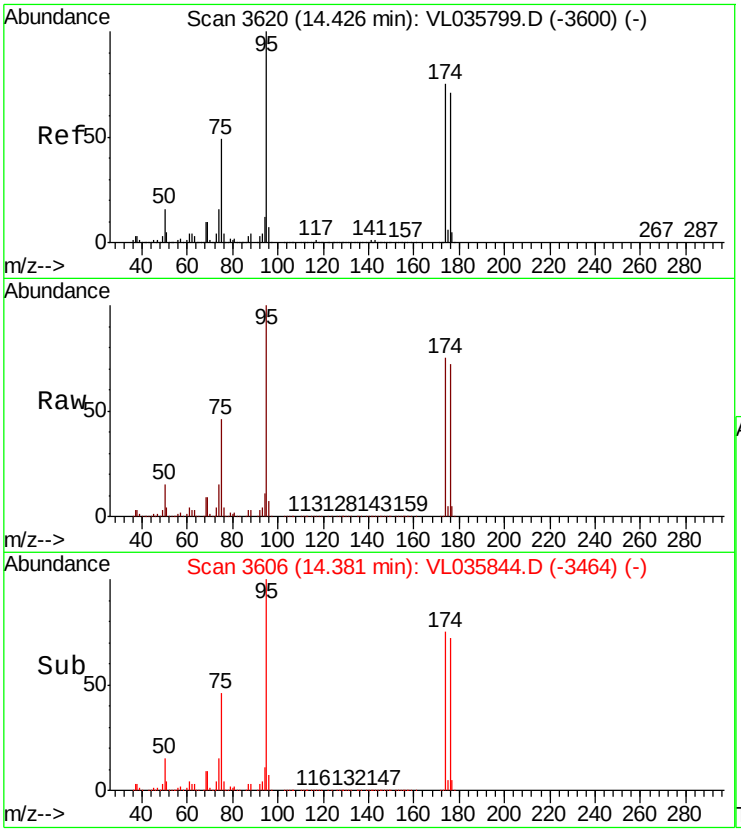


#60
o-Xylene
Concen: 0.053 ppbv
RT: 13.65 min Scan# 3380
Delta R.T. -0.05 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion: 91 Resp: 18572

Ion	Ratio	Lower	Upper
91	100		
106	83.1	24.8	74.4#



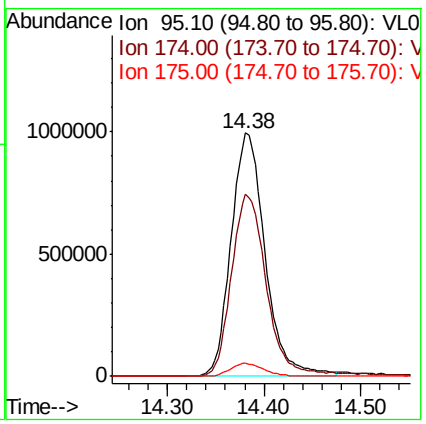


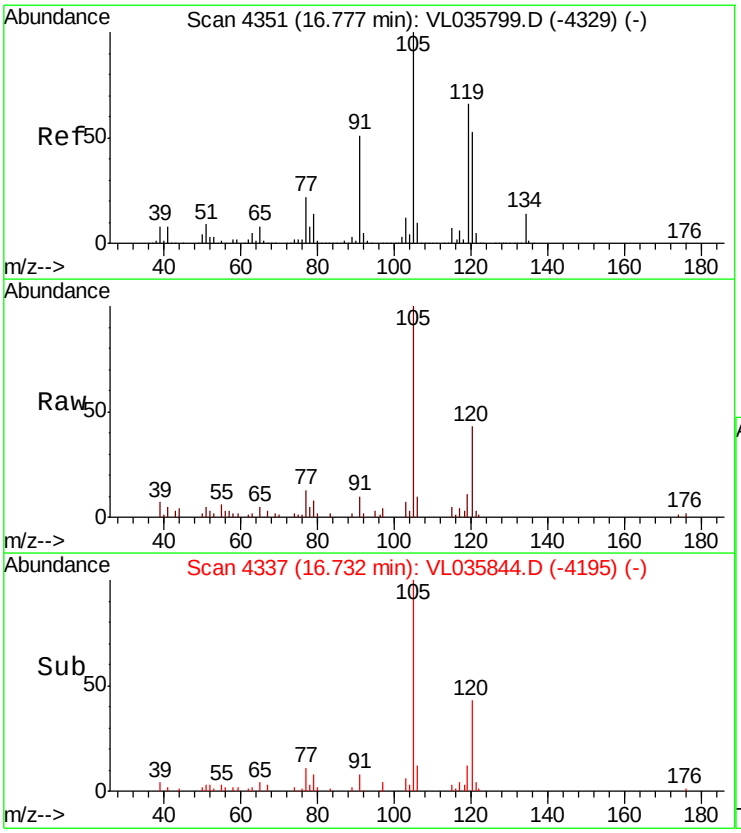
#68
1-Bromo-4-Fluorobenzene
Concen: 9.883 ppbv
RT: 14.38 min Scan# 3606
Delta R.T. -0.05 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2433279

Ion	Ratio	Lower	Upper
95	100		
174	77.0	59.8	89.6
175	5.5	4.3	6.5





#74
1,2,4-Trimethylbenzene
Concen: 0.105 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.05 min
Lab File: VL035844.D
Acq: 4 Nov 2020 22:42

Tgt Ion:105 Resp: 43266

Ion	Ratio	Lower	Upper
105	100		
120	43.2	42.0	63.0
91	7.8	41.0	61.6#
77	12.9	17.3	25.9#