Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030320\
Data File : VL034771.D
Acq On : 3 Mar 2020 19:48
Operator : SY/AP
Sample : L1704-06DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 04 05:48:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	1226874	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.21	114	2519827	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.15	117	2485050	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.49	95	2133784	10.47	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	9779	0.051	ppbv		92
3) Chlorodifluoromethane	2.94	51	13670	0.103	ppbv	#	82
4) Chloromethane	3.12	50	8691	0.117	ppbv	#	79
9) Propene	3.00	41	109617	1.981	ppbv	#	63
10) Heptane	8.17	43	62681	0.440	ppbv		98
13) Ethanol	3.59	45	295243	16.886	ppbv		95
15) Acetone	3.84	43	2371364	16.962	ppbv		99
16) 1,3-Butadiene	3.29	39	2946	0.046	ppbv	#	11
17) tert-Butyl alcohol	4.32	59	12972	0.121	ppbv	#	78
19) Isopropyl Alcohol	3.84	45	4986	0.060	ppbv	#	1
20) Methylene Chloride	4.35	84	18878	0.363	ppbv		90
23) Vinyl Acetate	5.08	43	3471047	18.263	ppbv		98
25) Ethyl Acetate	5.70	43	39330	0.159	ppbv	#	95
26) Hexane	5.70	57	18455	0.162	ppbv	#	57
34) 2-Butanone	5.08	43	3471047	21.885	ppbv	#	53
39) 1,2-Dichloropropane	7.21	63	713318	8.238	ppbv	#	22
53) Toluene	9.86	91	1512660	6.535	ppbv		99
59) m/p-Xylene	13.04	91	127559	0.486	ppbv	#	54
60) o-Xylene	13.76	91	67771	0.260	ppbv		99
65) tert-Butylbenzene	16.83	119	6771	0.021	ppbv	#	16
72) 4-Ethyltoluene	15.91	105	16841	0.058	ppbv	#	7
73) 1,3,5-Trimethylbenzene	16.07	105	23793	0.085	ppbv	#	68
74) 1,2,4-Trimethylbenzene	16.83	105	145038	0.471	ppbv	#	66

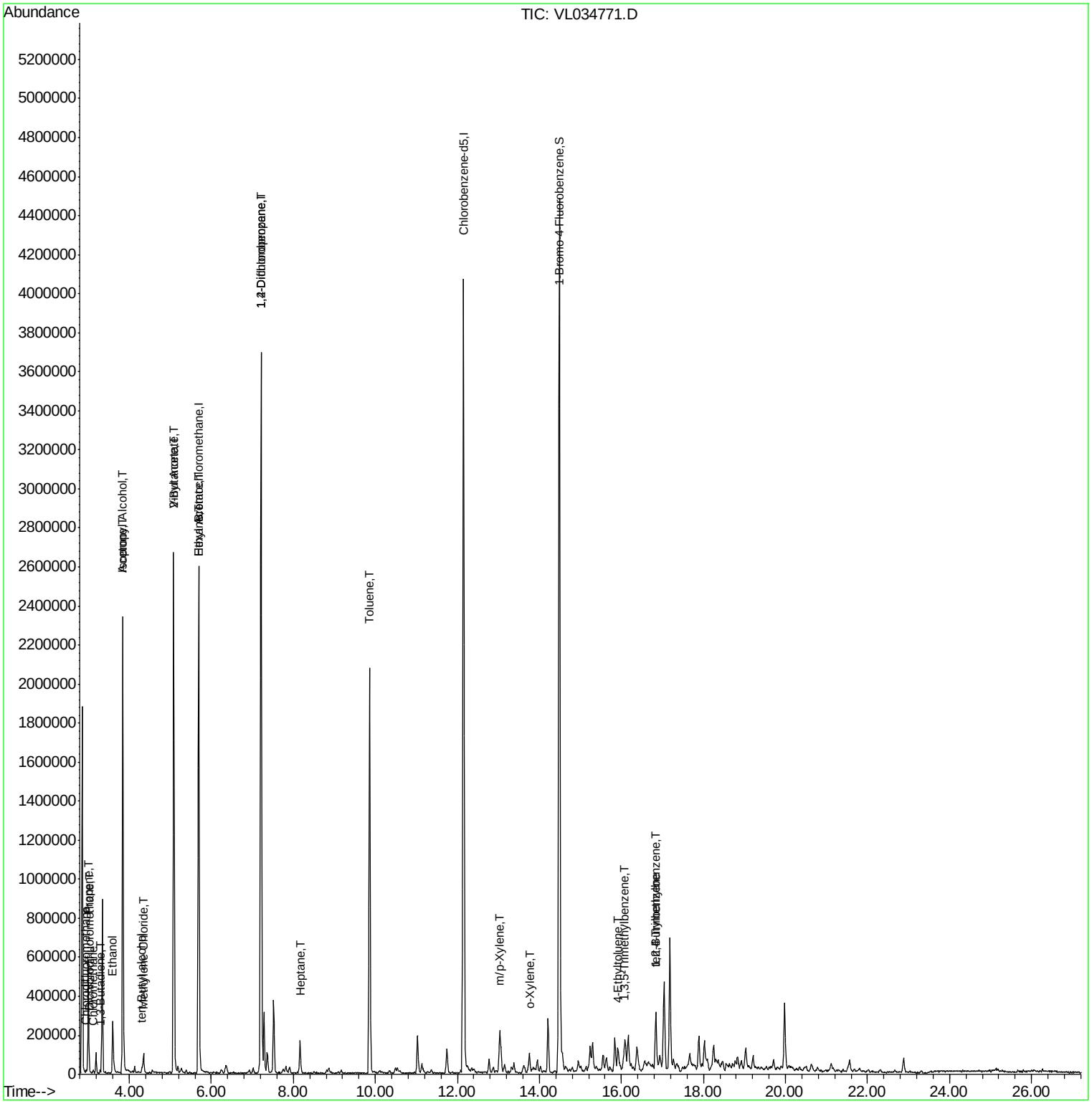
(#) = qualifier out of range (m) = manual integration (+) = signals summed

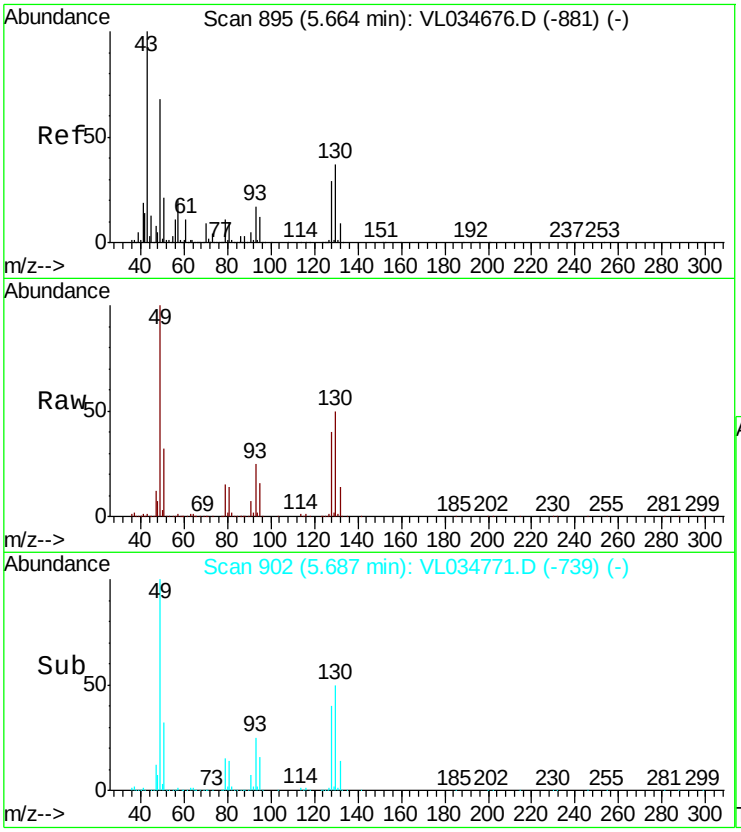
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030320\
Data File : VL034771.D
Acq On : 3 Mar 2020 19:48
Operator : SY/AP
Sample : L1704-06DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 04 05:48:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration



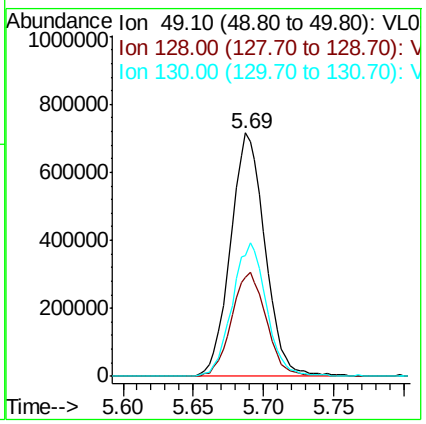


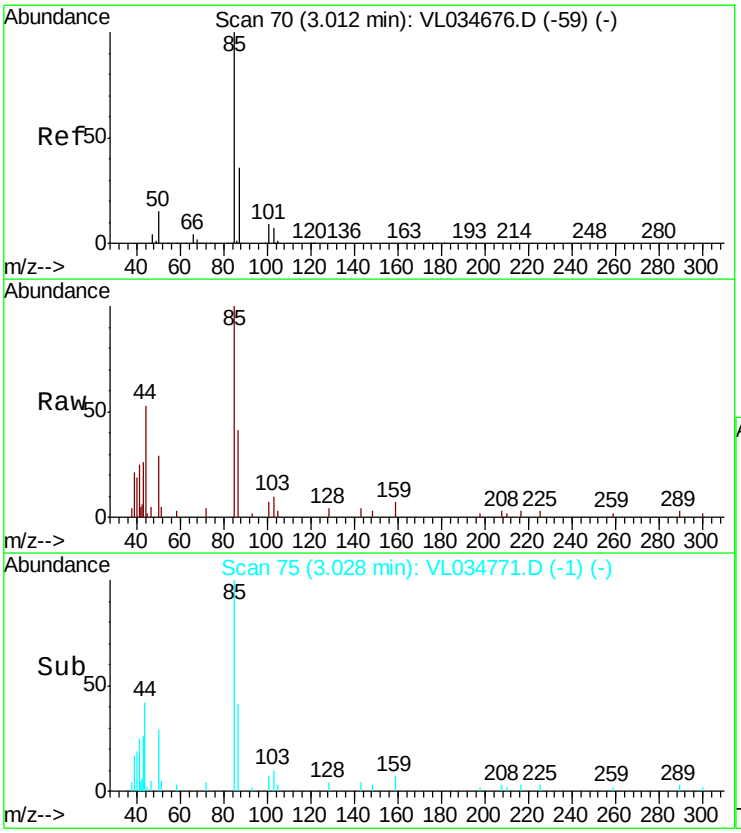
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1226874

Ion	Ratio	Lower	Upper
49	100		
128	43.3	21.6	65.0
130	54.9	27.7	83.1

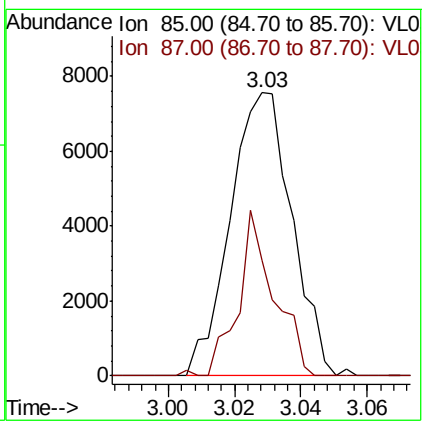


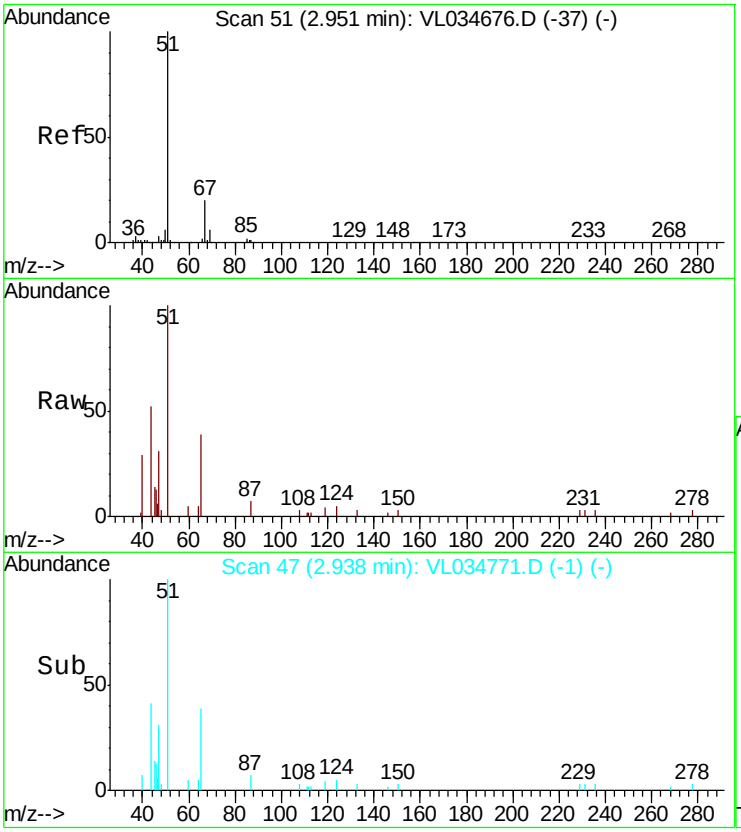


#2
Dichlorodifluoromethane
Concen: 0.051 ppbv
RT: 3.03 min Scan# 75
Delta R.T. 0.02 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion: 85 Resp: 9779

Ion	Ratio	Lower	Upper
85	100		
87	40.9	29.2	43.8

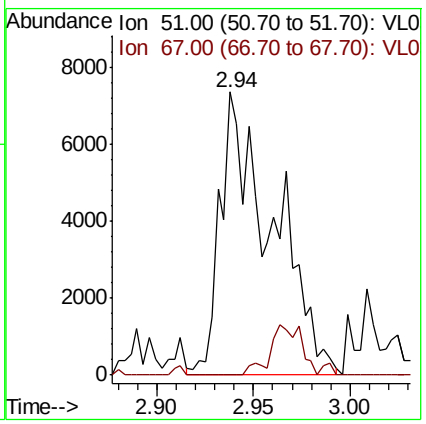




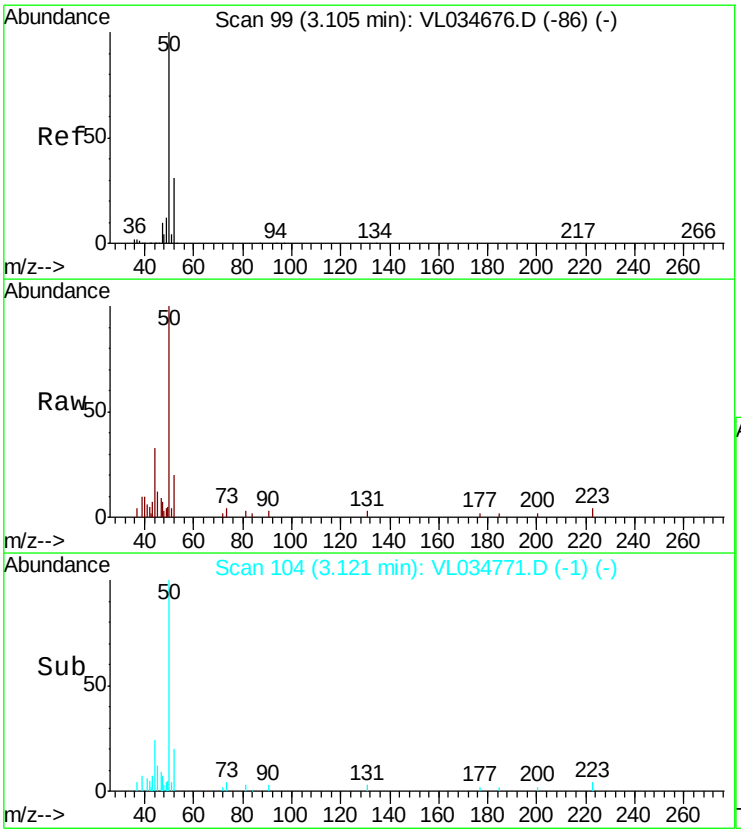
#3
Chlorodifluoromethane
Concen: 0.103 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.01 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion: 51 Resp: 13670

Ion	Ratio	Lower	Upper
51	100		
67	11.3	15.5	23.3#



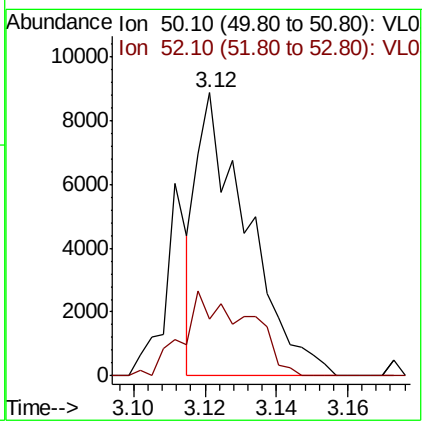
Instrument :
MSVOA_L
ClientSampleId :

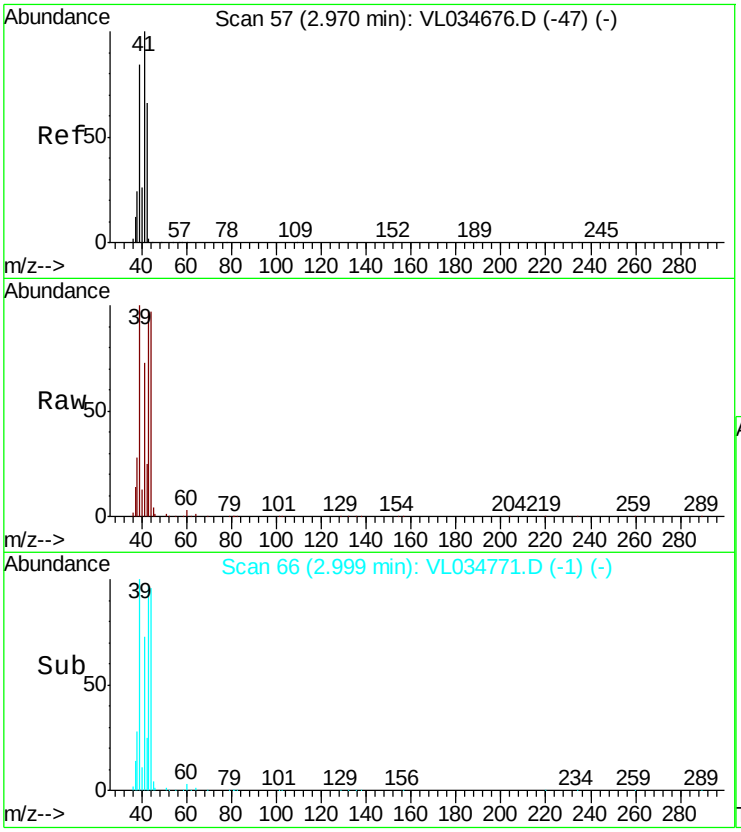


#4
Chloromethane
Concen: 0.117 ppbv
RT: 3.12 min Scan# 104
Delta R.T. 0.02 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion: 50 Resp: 8691

Ion	Ratio	Lower	Upper
50	100		
52	19.5	25.0	37.4#



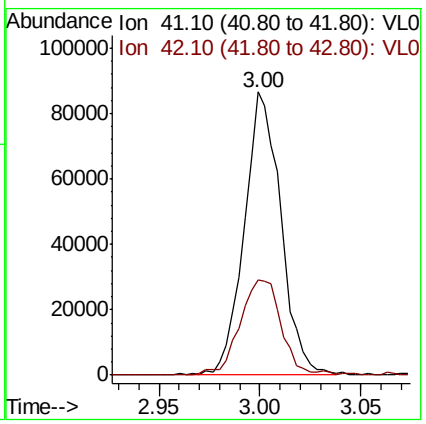


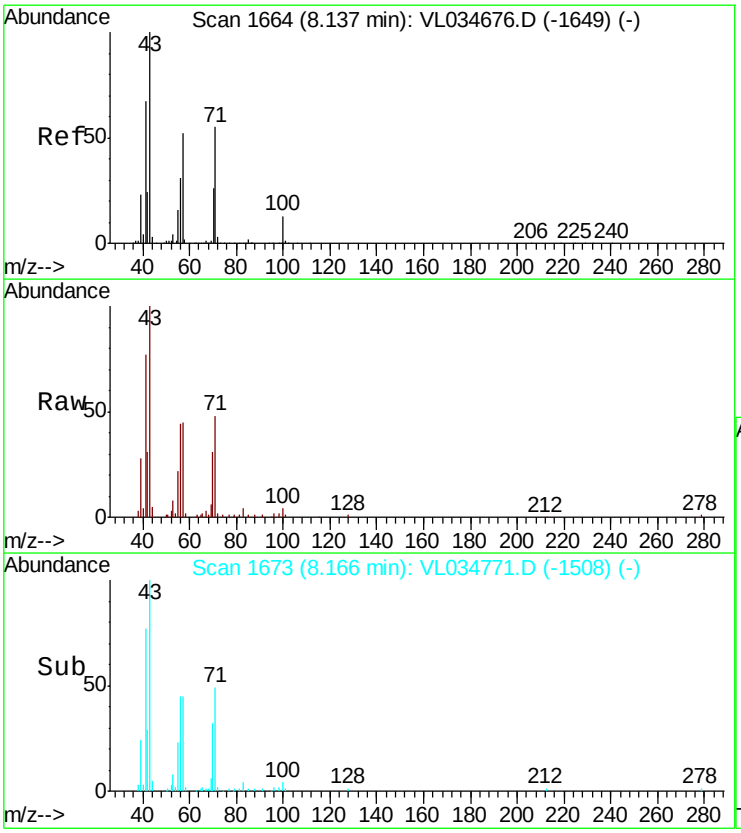
#9
Propene
Concen: 1.981 ppbv
RT: 3.00 min Scan# 66
Delta R.T. 0.03 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 109617

Ion	Ratio	Lower	Upper
41	100		
42	38.7	54.9	82.3#

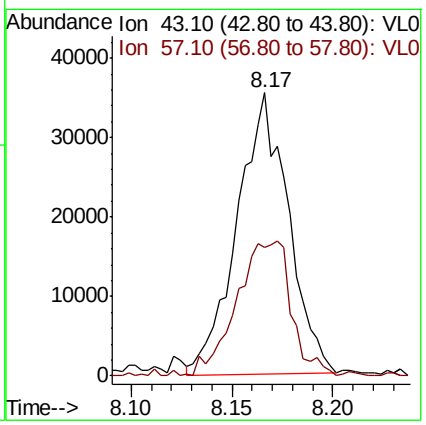


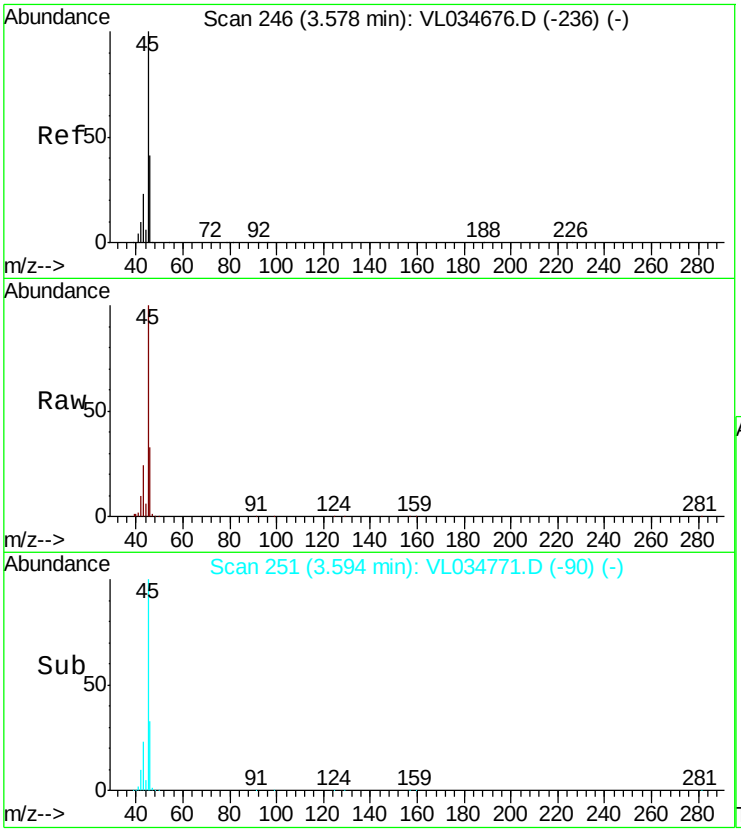


#10
Heptane
Concen: 0.440 ppbv
RT: 8.17 min Scan# 1673
Delta R.T. 0.03 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion: 43 Resp: 62681

Ion	Ratio	Lower	Upper
43	100		
57	53.0	41.0	61.6



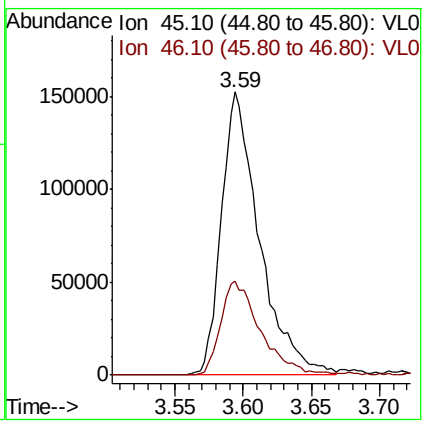


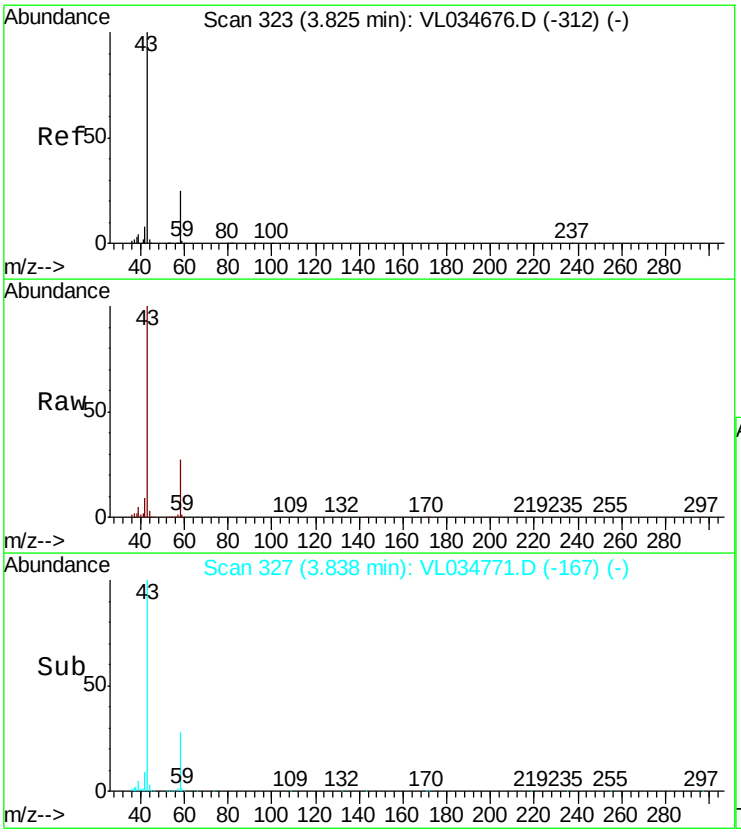
#13
Ethanol
Concen: 16.886 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.02 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 295243

Ion	Ratio	Lower	Upper
45	100		
46	35.1	15.4	61.4

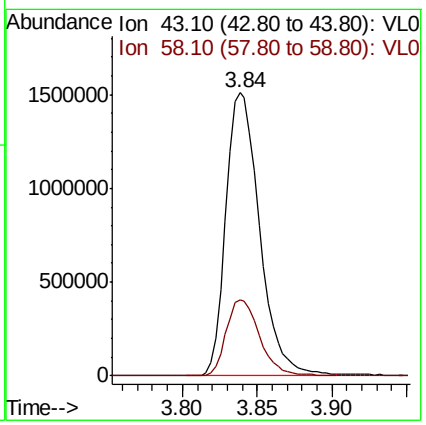


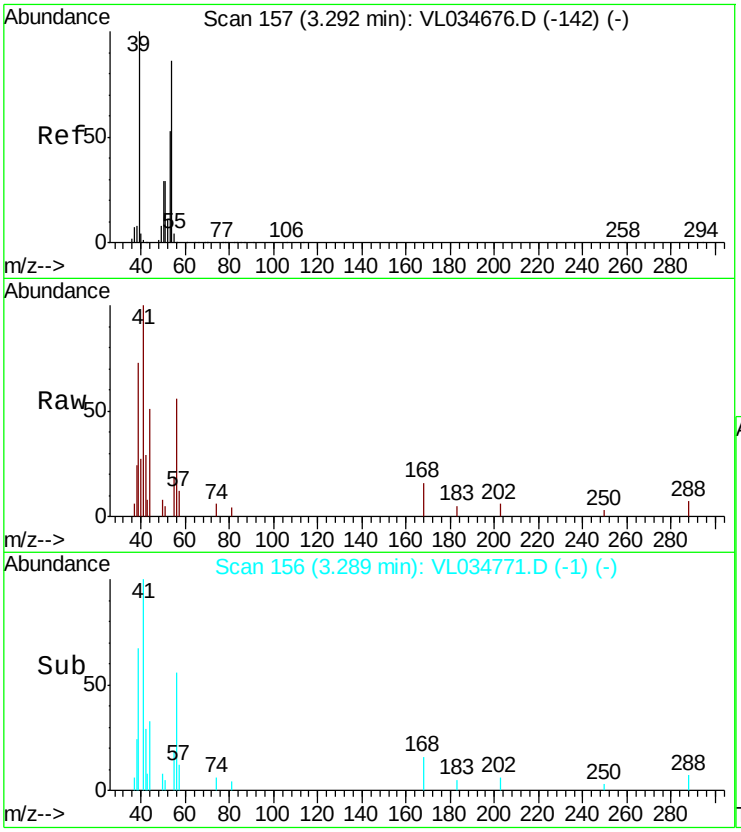


#15
Acetone
Concen: 16.962 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion: 43 Resp: 2371364

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.4	32.0



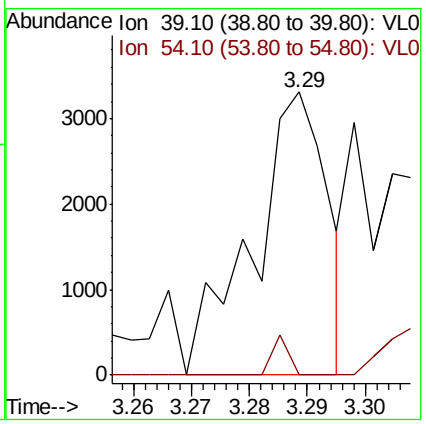


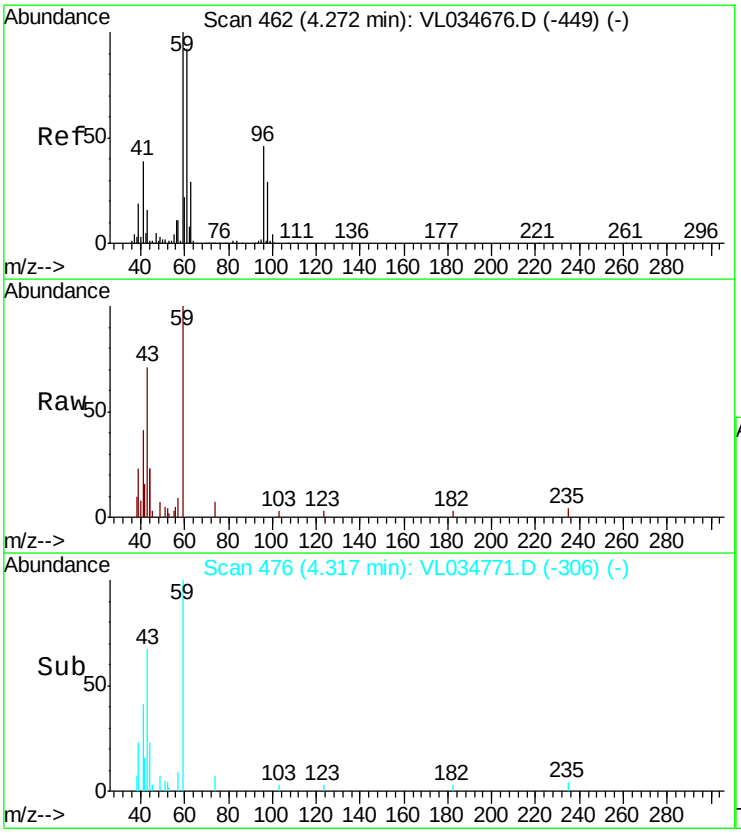
#16
1,3-Butadiene
Concen: 0.046 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.00 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 2946

Ion	Ratio	Lower	Upper
39	100		
54	3.1	67.0	100.6#

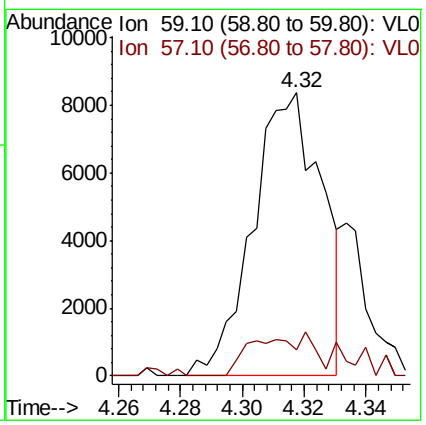


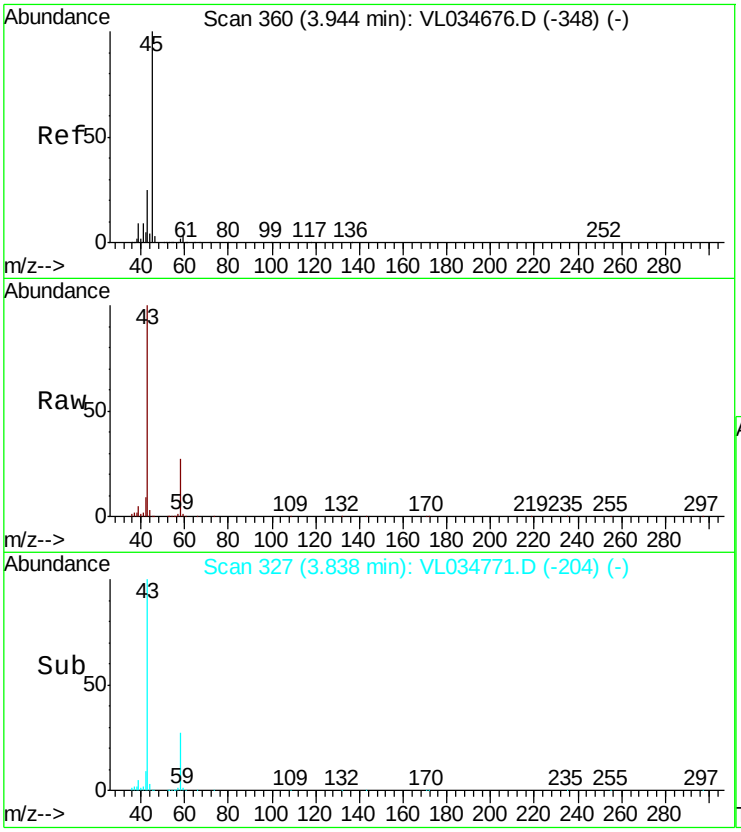


#17
tert-Butyl alcohol
Concen: 0.121 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.05 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion: 59 Resp: 12972

Ion	Ratio	Lower	Upper
59	100		
57	19.3	8.8	13.2#



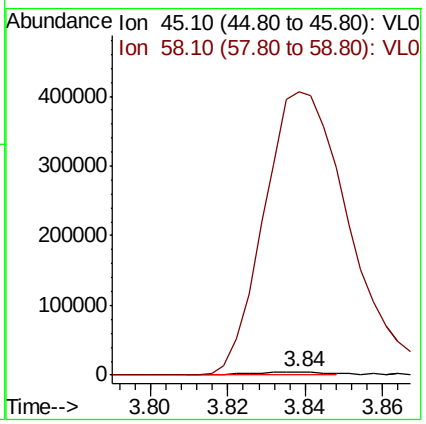


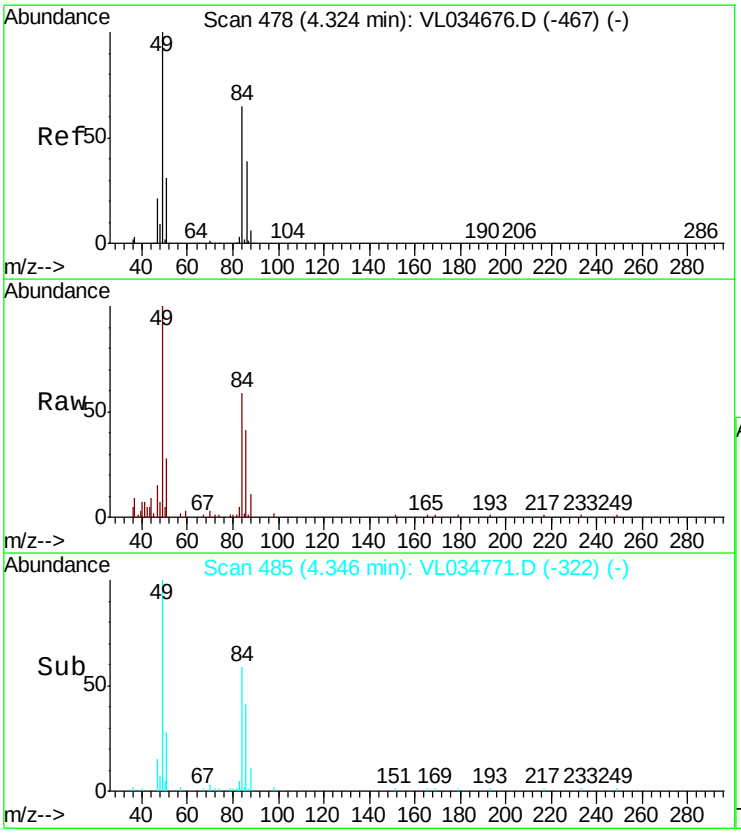
#19
Isopropyl Alcohol
Concen: 0.060 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.11 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 4986

Ion	Ratio	Lower	Upper
45	100		
58	12815.3	1.8	2.6#

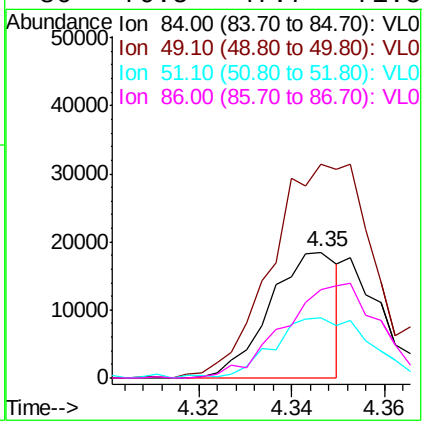


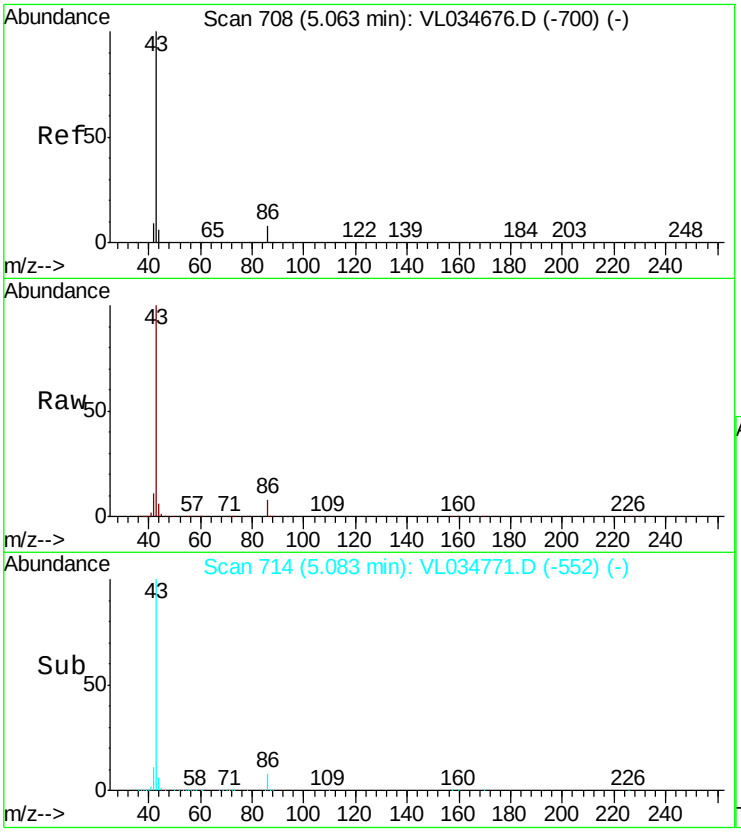


#20
Methylene Chloride
Concen: 0.363 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion: 84 Resp: 18878

Ion	Ratio	Lower	Upper
84	100		
49	166.5	122.8	184.2
51	45.2	38.6	58.0
86	70.5	47.7	71.5



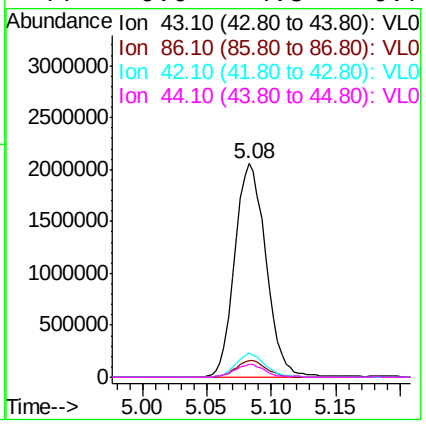


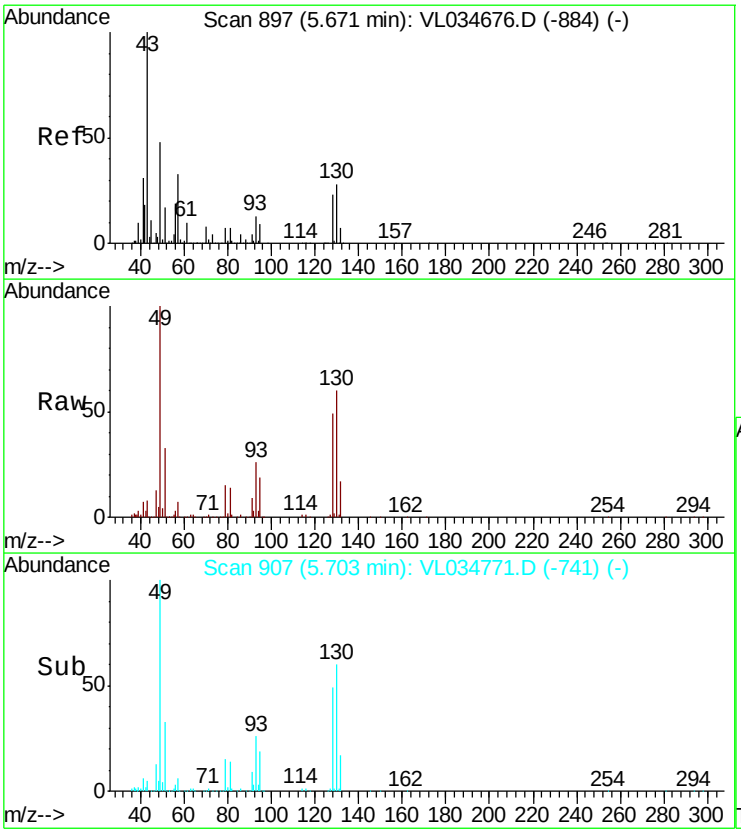
#23
Vinyl Acetate
Concen: 18.263 ppbv
RT: 5.08 min Scan# 714
Delta R.T. 0.02 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3471047

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.0	9.0
42	11.2	8.0	12.0
44	6.0	4.5	6.7

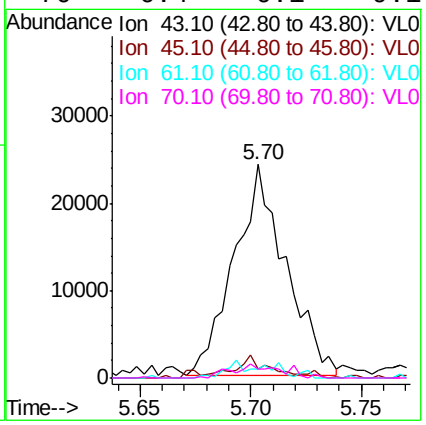


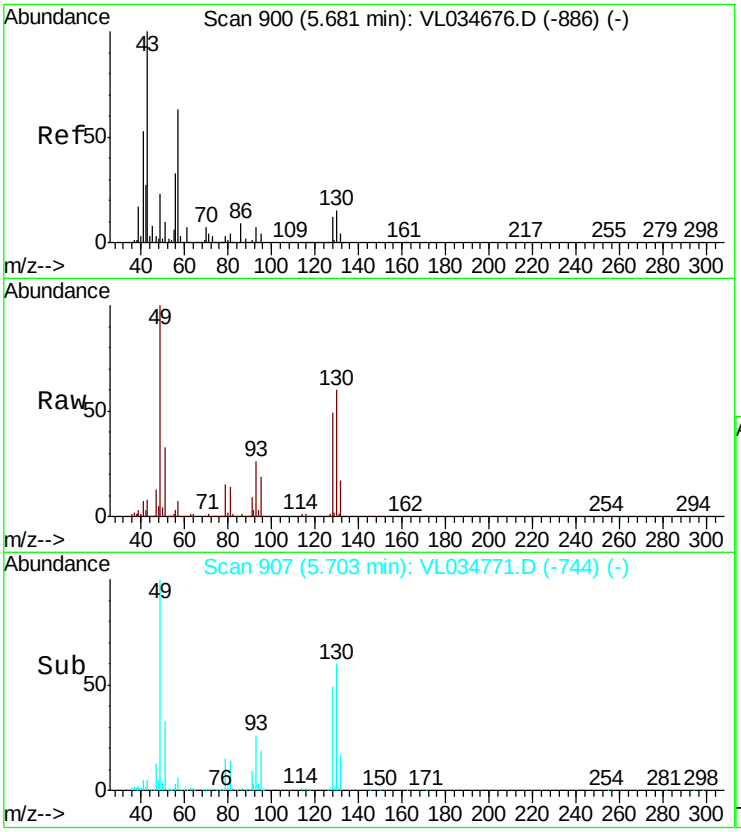


#25
Ethyl Acetate
Concen: 0.159 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.03 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion: 43 Resp: 39330

Ion	Ratio	Lower	Upper
43	100		
45	9.1	8.2	12.4
61	6.8	7.8	11.6#
70	6.4	6.1	9.1



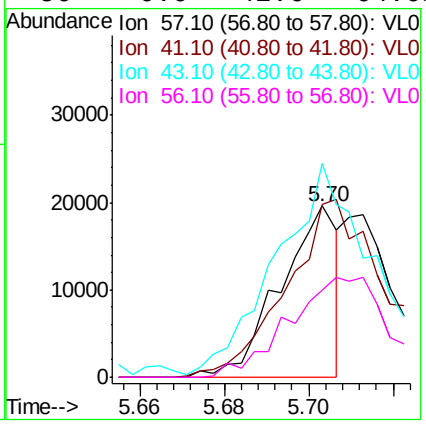


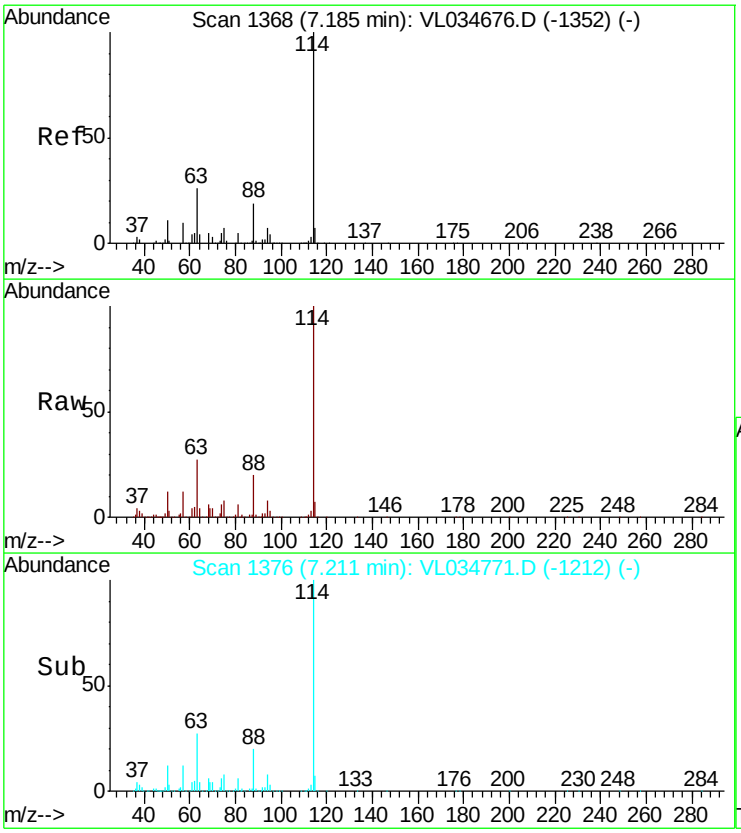
#26
Hexane
Concen: 0.162 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 18455

Ion	Ratio	Lower	Upper
57	100		
41	174.7	70.3	105.5#
43	247.1	177.0	265.4
56	0.0	42.6	64.0#

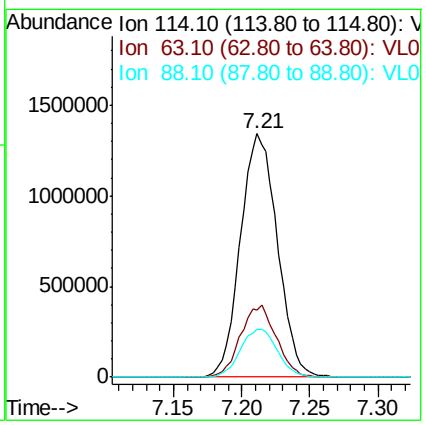


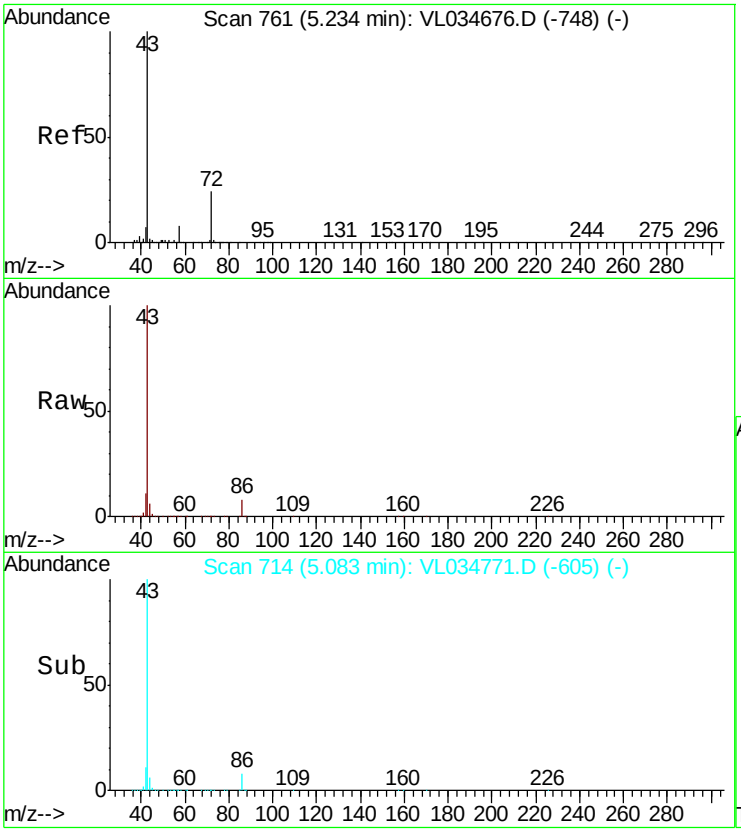


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. 0.03 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion:114 Resp: 2519827

Ion	Ratio	Lower	Upper
114	100		
63	28.5	22.9	34.3
88	19.8	15.8	23.6



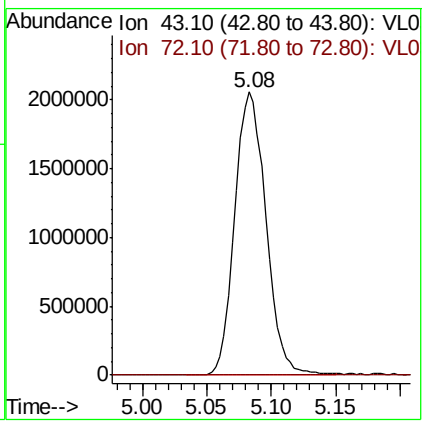


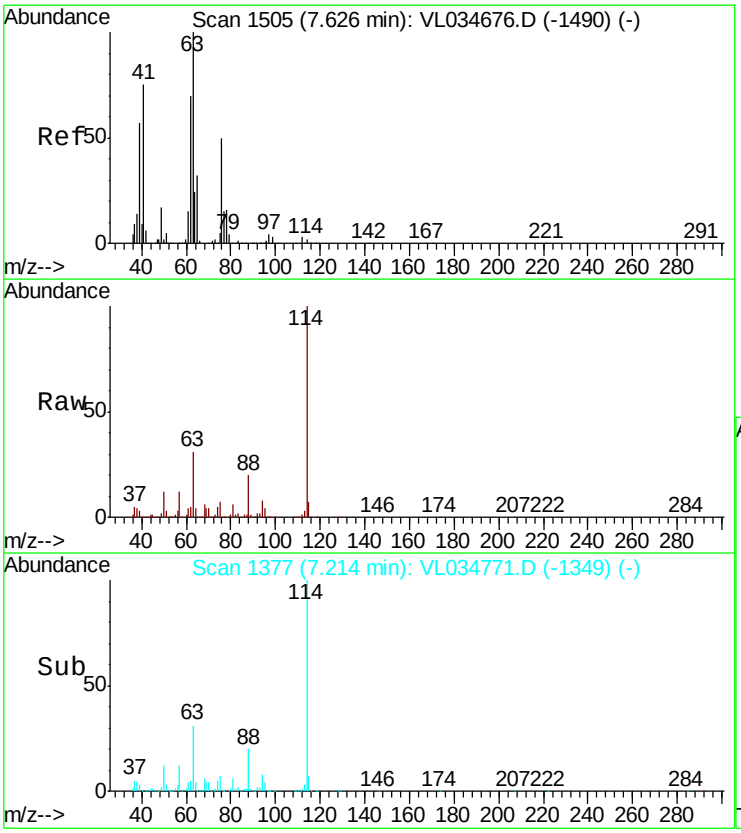
#34
2-Butanone
Concen: 21.885 ppbv
RT: 5.08 min Scan# 714
Delta R.T. -0.15 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3471047

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#

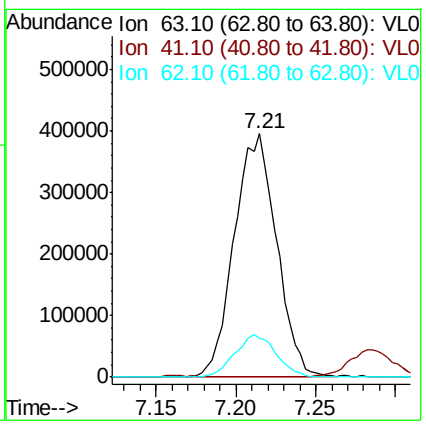


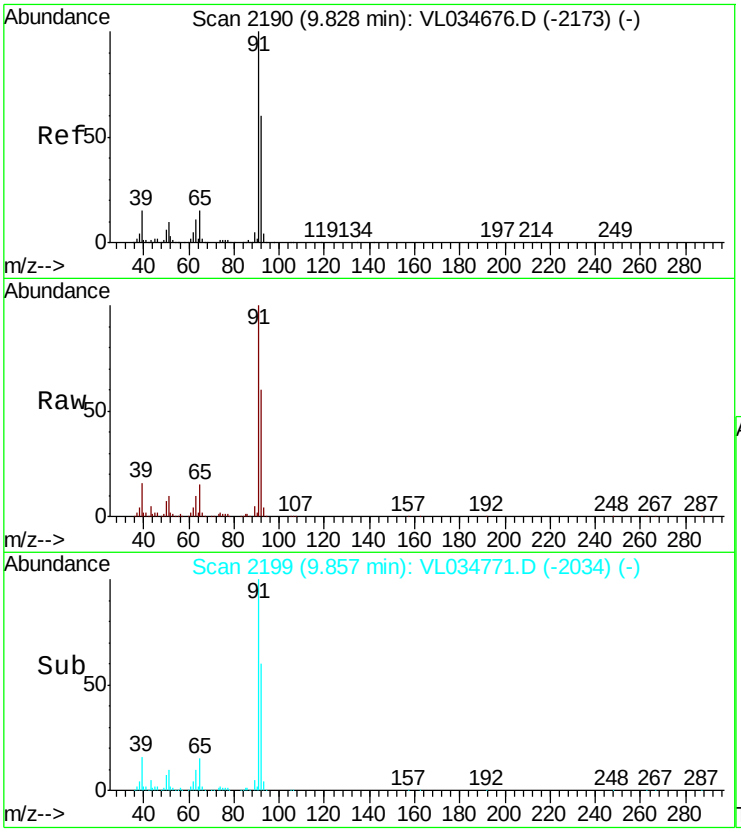


#39
1,2-Dichloropropane
Concen: 8.238 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. -0.41 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion: 63 Resp: 713318

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.2	90.4#
62	15.9	56.3	84.5#



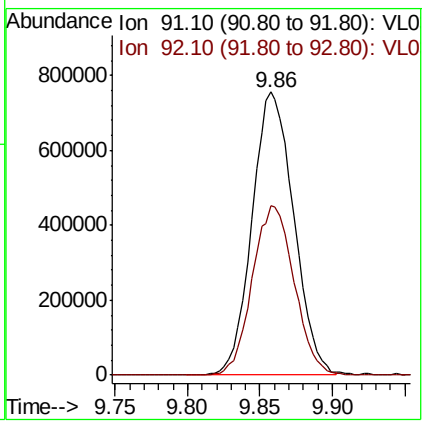


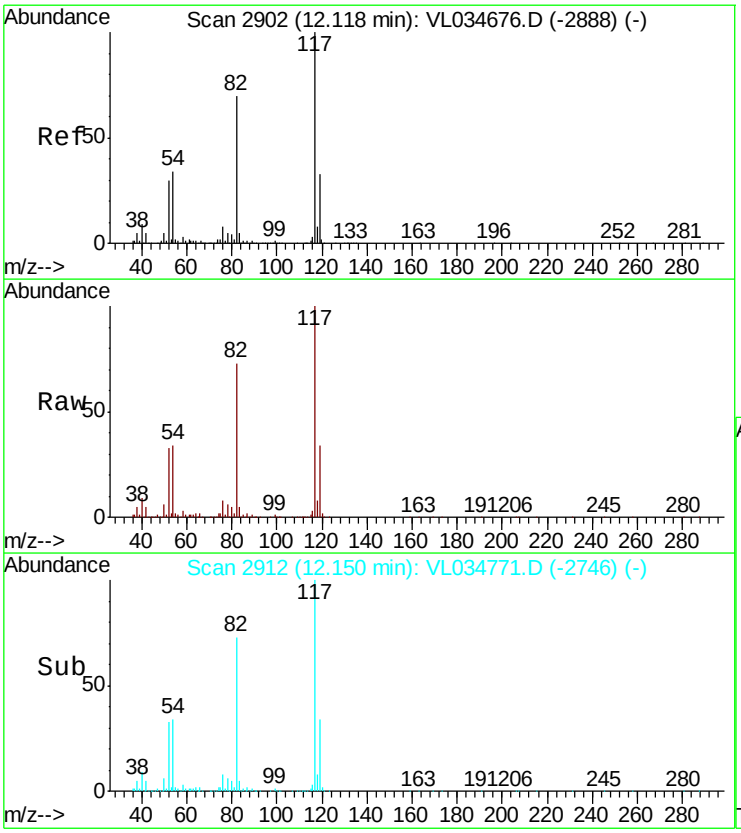
#53
Toluene
Concen: 6.535 ppbv
RT: 9.86 min Scan# 2199
Delta R.T. 0.03 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 1512660

Ion	Ratio	Lower	Upper
91	100		
92	60.1	48.5	72.7

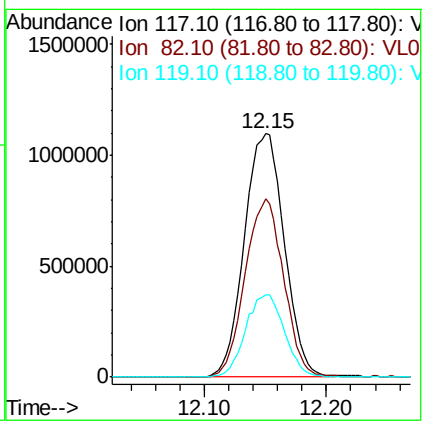


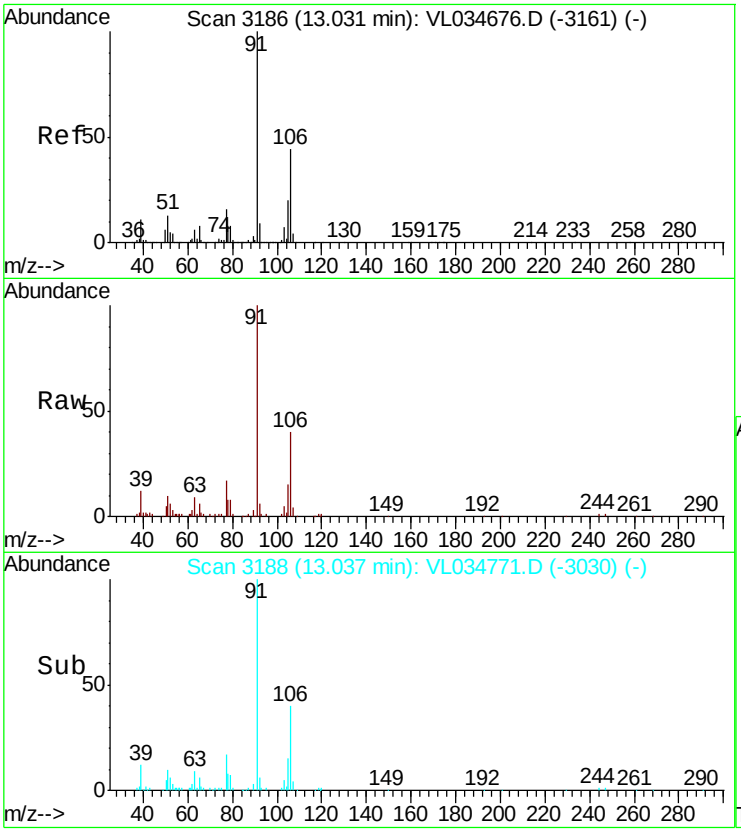


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.03 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion:117 Resp: 2485050

Ion	Ratio	Lower	Upper
117	100		
82	71.0	54.1	81.1
119	33.2	27.6	41.4



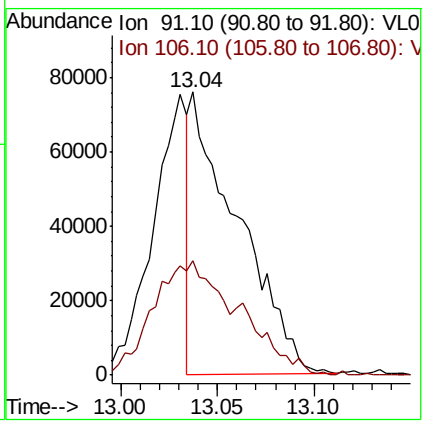


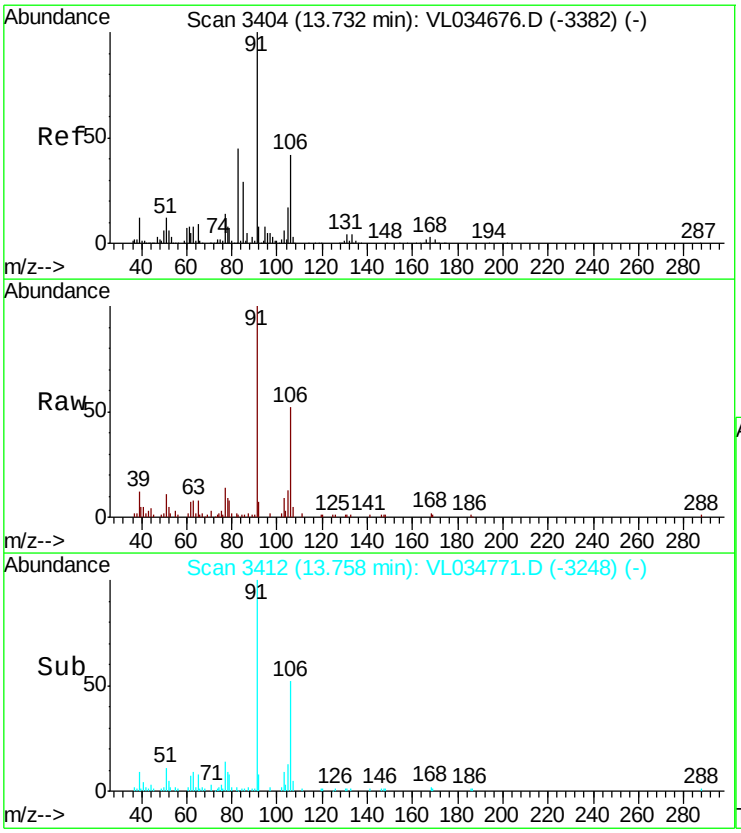
#59
m/p-Xylene
Concen: 0.486 ppbv
RT: 13.04 min Scan# 3188
Delta R.T. 0.01 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 127559

Ion	Ratio	Lower	Upper
91	100		
106	74.4	35.6	53.4#

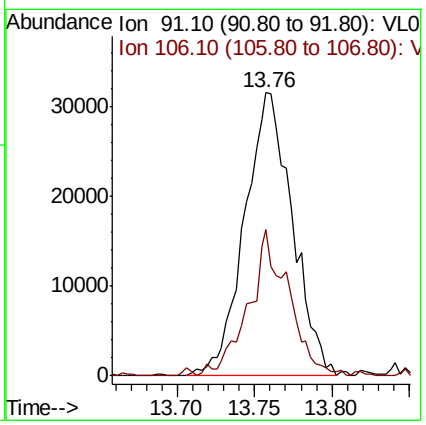


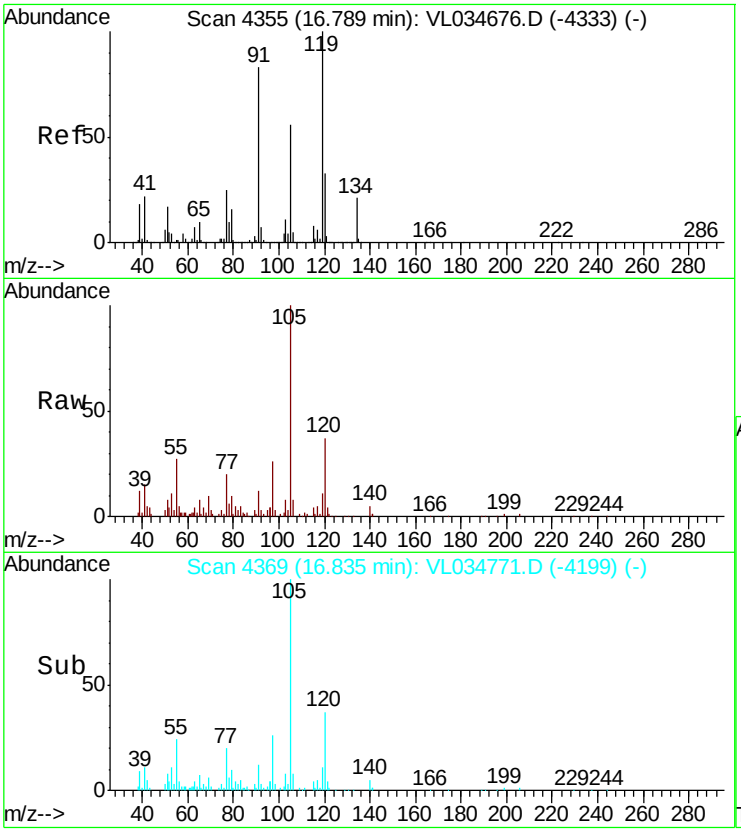


#60
o-Xylene
Concen: 0.260 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. 0.03 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion: 91 Resp: 67771

Ion	Ratio	Lower	Upper
91	100		
106	44.1	21.9	65.5



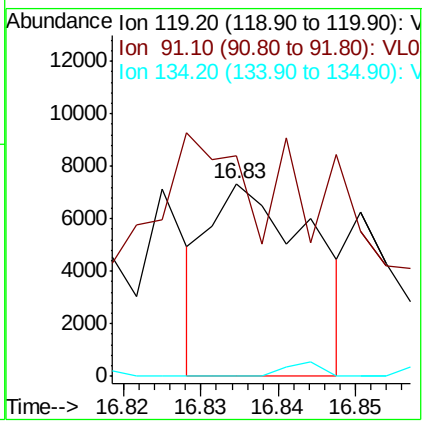


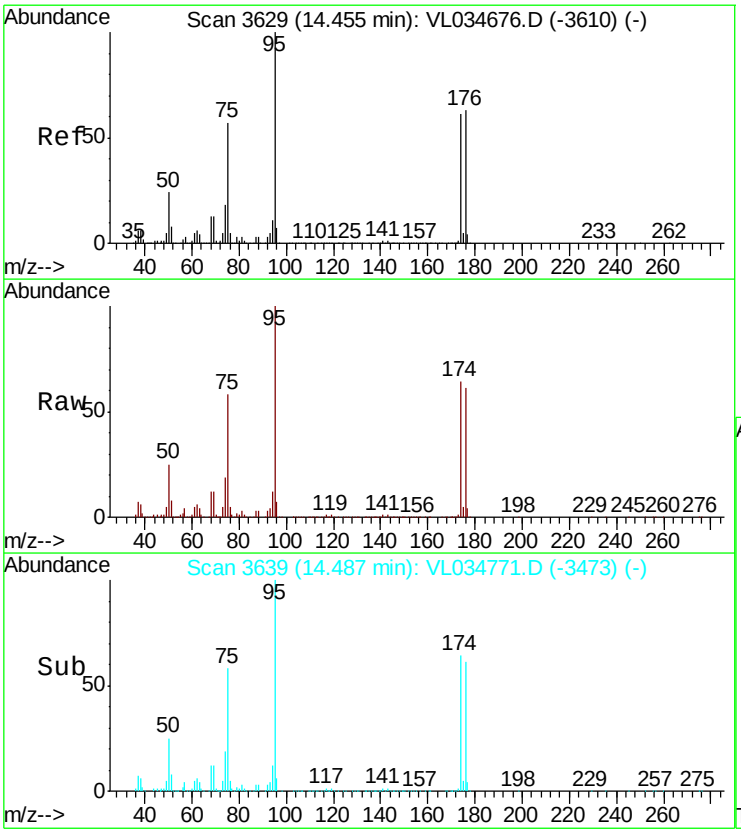
#65
tert-Butylbenzene
Concen: 0.021 ppbv
RT: 16.83 min Scan# 4369
Delta R.T. 0.05 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 6771

Ion	Ratio	Lower	Upper
119	100		
91	0.0	69.1	103.7#
134	0.0	15.8	23.8#

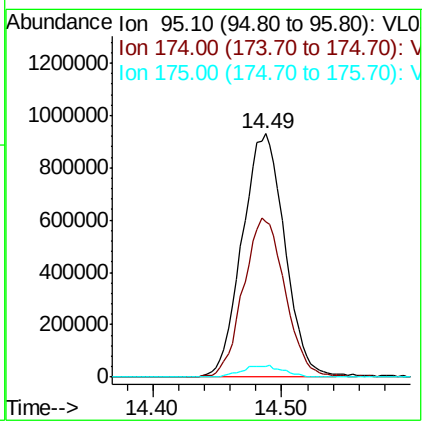


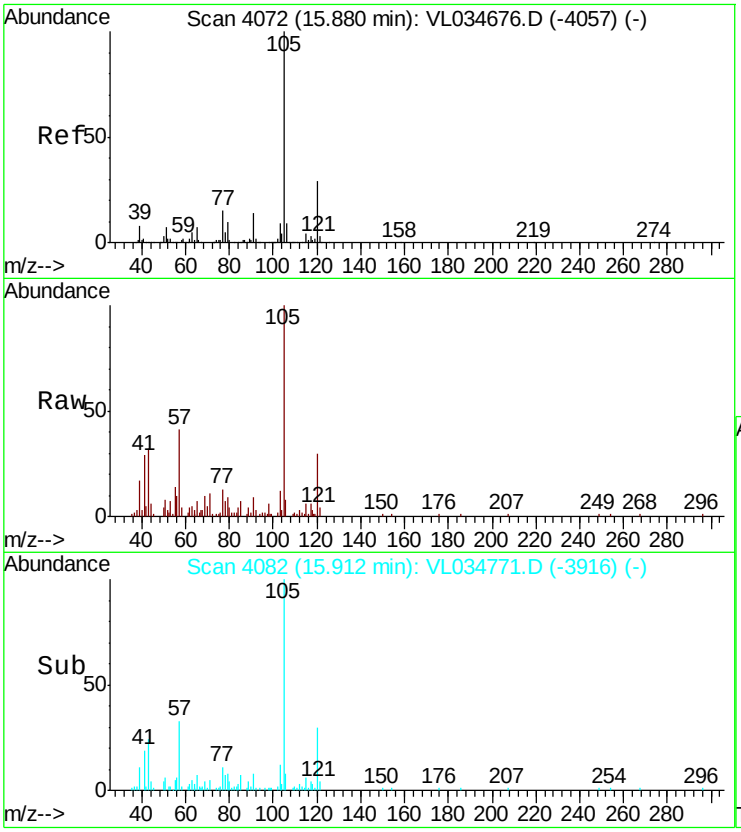


#68
1-Bromo-4-Fluorobenzene
Concen: 10.472 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. 0.03 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion: 95 Resp: 2133784

Ion	Ratio	Lower	Upper
95	100		
174	64.1	50.7	76.1
175	4.8	3.9	5.9



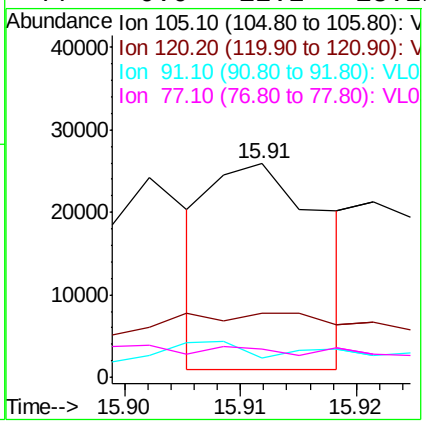


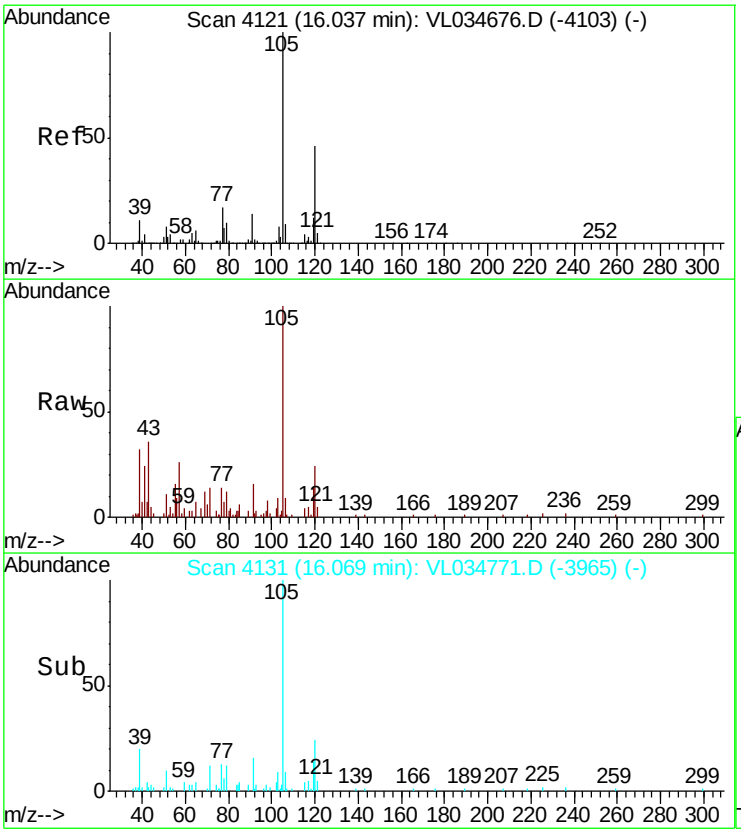
#72
4-Ethyltoluene
Concen: 0.058 ppbv
RT: 15.91 min Scan# 4082
Delta R.T. 0.03 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 16841

Ion	Ratio	Lower	Upper
105	100		
120	91.7	23.7	35.5#
91	56.2	10.9	16.3#
77	0.0	12.2	18.2#

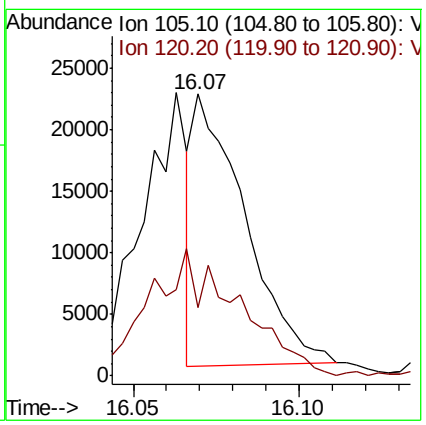


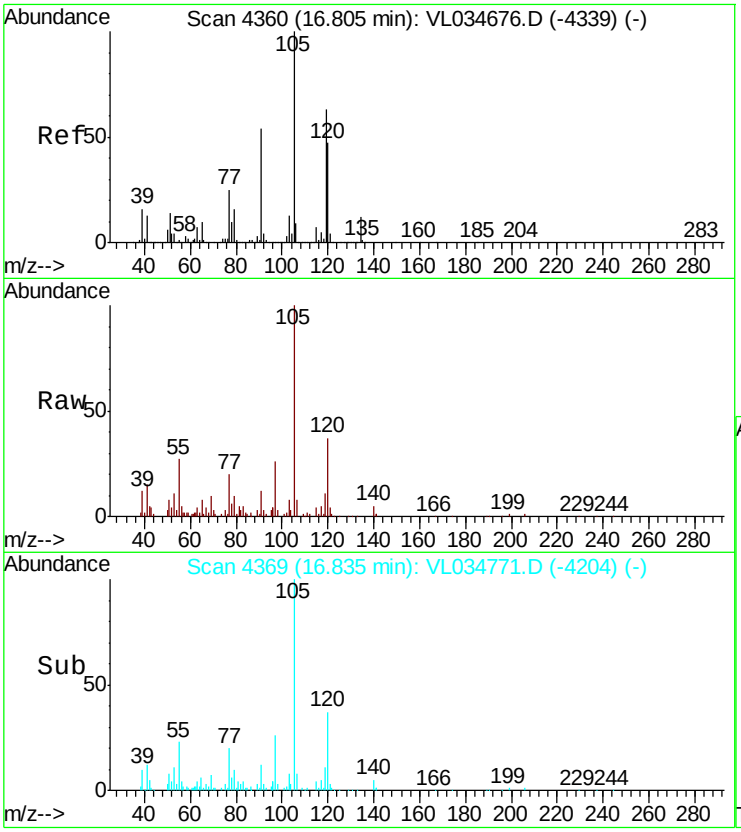


#73
1,3,5-Trimethylbenzene
Concen: 0.085 ppbv
RT: 16.07 min Scan# 4131
Delta R.T. 0.03 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Tgt Ion:105 Resp: 23793

Ion	Ratio	Lower	Upper
105	100		
120	25.5	37.1	55.7#





#74
1,2,4-Trimethylbenzene
Concen: 0.471 ppbv
RT: 16.83 min Scan# 4369
Delta R.T. 0.03 min
Lab File: VL034771.D
Acq: 3 Mar 2020 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 145038

Ion	Ratio	Lower	Upper
105	100		
120	36.3	37.9	56.9#
91	12.4	43.9	65.9#
77	19.4	20.3	30.5#