Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL011216\
Data File : VL026674.D
Acq On : 12 Jan 2016 14:43
Operator : SY/AP
Sample : H1064-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jan 13 03:01:35 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 11 17:14:02 2016
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.68	49	905904	10.00	ppbv		0.05
33) 1,4-Difluorobenzene	8.36	114	2624971	10.00	ppbv		0.05
55) Chlorobenzene-d5	13.78	117	3152866	10.00	ppbv		0.05
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.32	95	2557857	10.18	ppbv		0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.67	85	119287	0.50	ppbv		98
3) Chlorodifluoromethane	3.59	51	179086	1.49	ppbv		91
4) Chloromethane	3.78	50	27308	0.46	ppbv		93
9) Propene	3.86	41	164036	3.78	ppbv		90
10) Heptane	9.38	43	20469	0.13	ppbv		96
11) Trichlorofluoromethane	4.72	101	54276	0.22	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	5.33	101	5798	0.04	ppbv	#	16
13) Ethanol	4.37	45	48427	5.88	ppbv		95
15) Acetone	4.64	43	316534	2.12	ppbv		93
16) 1,3-Butadiene	3.98	39	8671	0.15	ppbv	#	60
17) tert-Butyl alcohol	4.95	59	70086	0.62	ppbv	#	77
20) Methylene Chloride	5.18	84	27265	0.45	ppbv		99
23) Vinyl Acetate	5.99	43	15940	0.07	ppbv	#	1
25) Ethyl Acetate	6.69	43	47693	0.21	ppbv	#	78
26) Hexane	6.69	57	76132	0.64	ppbv	#	50
30) Cyclohexane	8.32	84	9971	0.08	ppbv	#	23
34) 2-Butanone	6.26	43	30637	0.22	ppbv		99
35) Carbon Tetrachloride	8.19	117	13252	0.06	ppbv	#	77
36) Benzene	8.06	78	133897	0.50	ppbv		97
44) 2,2,4-Trimethylpentane	9.12	57	58776	0.13	ppbv	#	85
53) Toluene	11.27	91	244586	0.64	ppbv		100
58) Ethyl Benzene	14.46	91	47045	0.08	ppbv		97
59) m/p-Xylene	14.73	91	140434	0.30	ppbv		97
60) o-Xylene	15.53	91	59593	0.12	ppbv		100
72) 4-Ethyltoluene	17.86	105	22557	0.04	ppbv	#	88
73) 1,3,5-Trimethylbenzene	18.02	105	31717	0.06	ppbv		86
74) 1,2,4-Trimethylbenzene	18.88	105	107095	0.19	ppbv	#	77

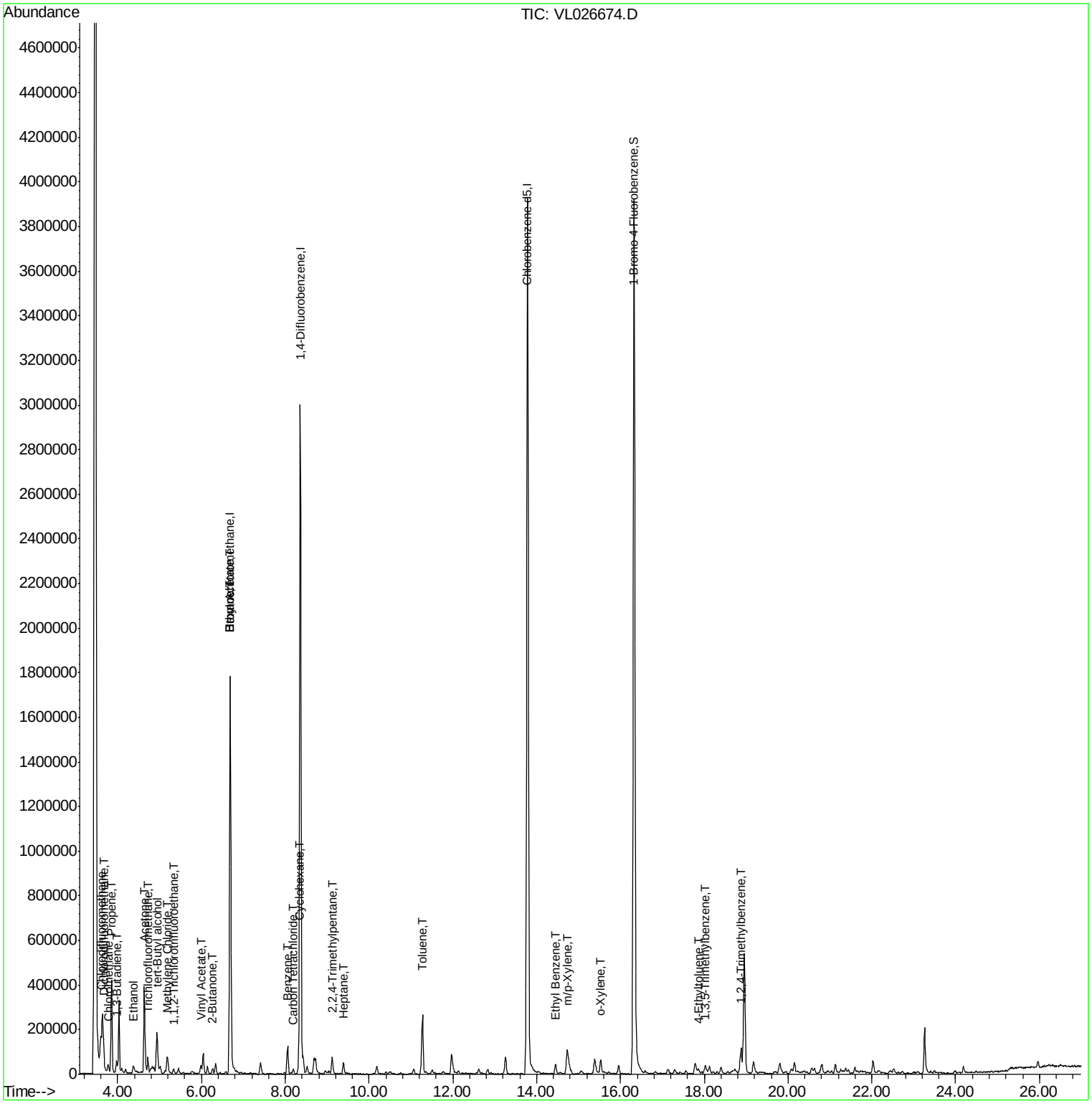
(#) = qualifier out of range (m) = manual integration (+) = signals summed

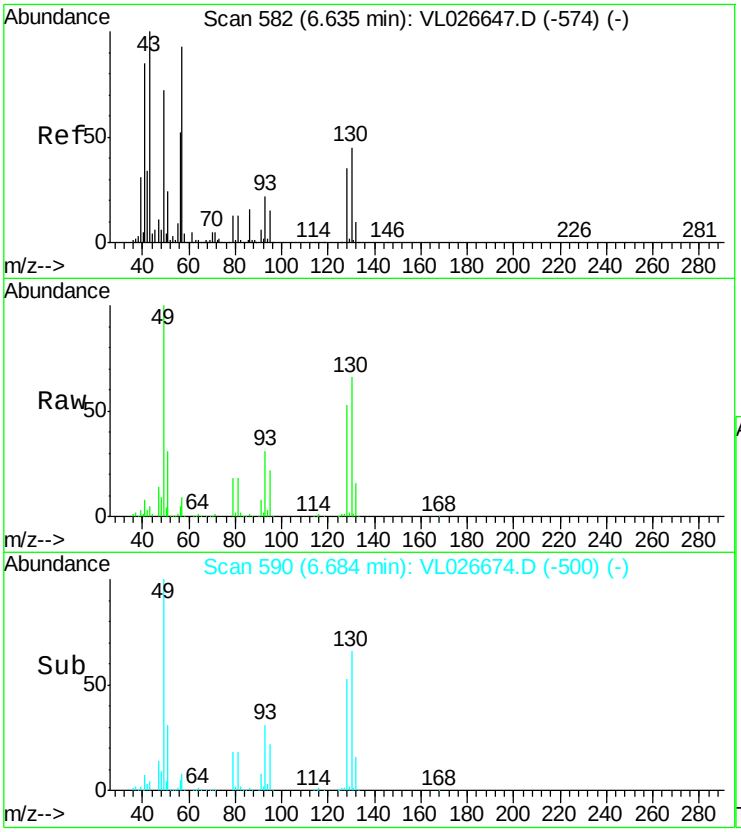
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL011216\
Data File : VL026674.D
Acq On : 12 Jan 2016 14:43
Operator : SY/AP
Sample : H1064-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 13 03:01:35 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 11 17:14:02 2016
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration



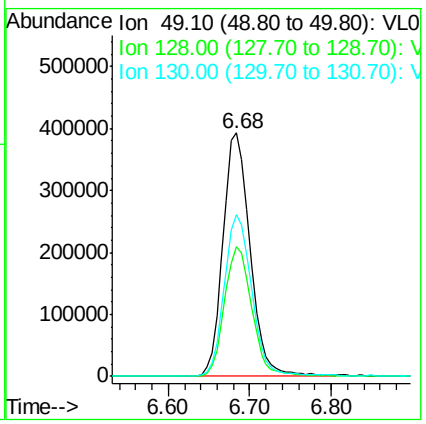


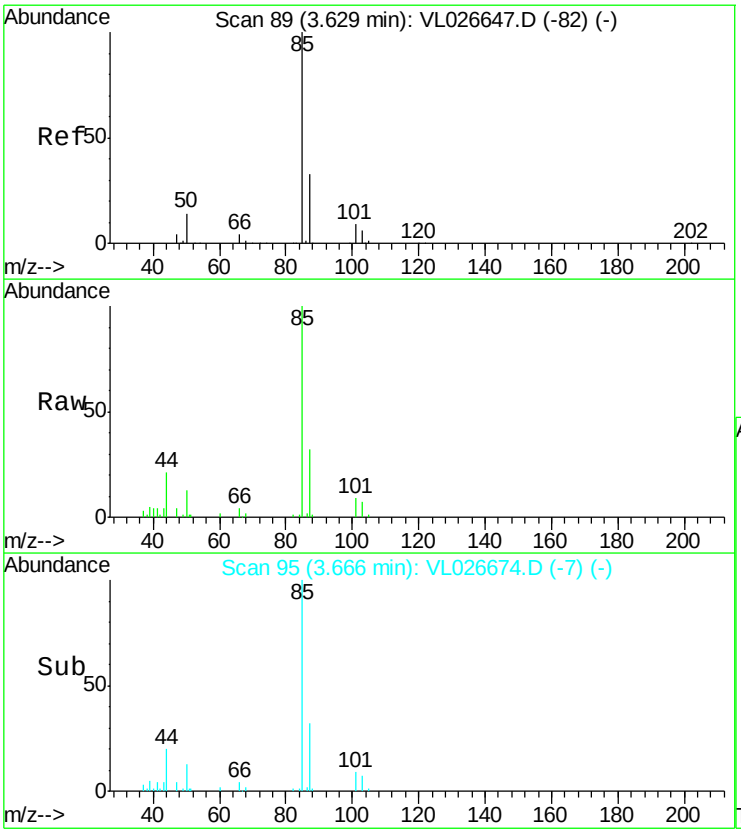
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.05 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 905904

Ion	Ratio	Lower	Upper
49	100		
128	54.2	25.9	77.7
130	67.2	33.6	100.8

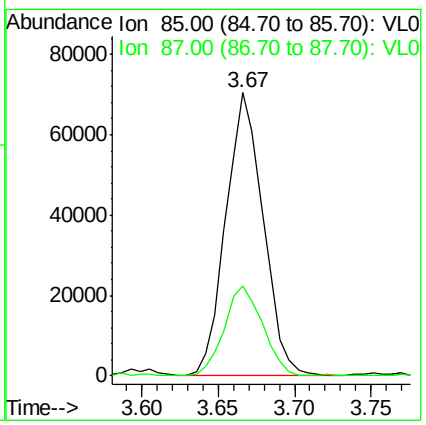


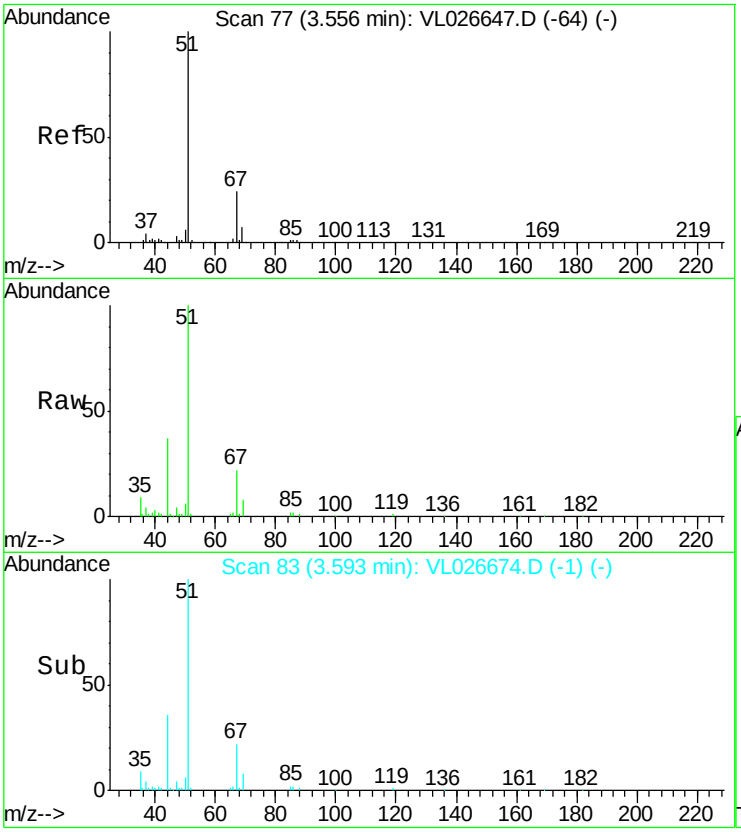


#2
Dichlorodifluoromethane
Concen: 0.50 ppbv
RT: 3.67 min Scan# 95
Delta R.T. 0.04 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion: 85 Resp: 119287

Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.4	39.6

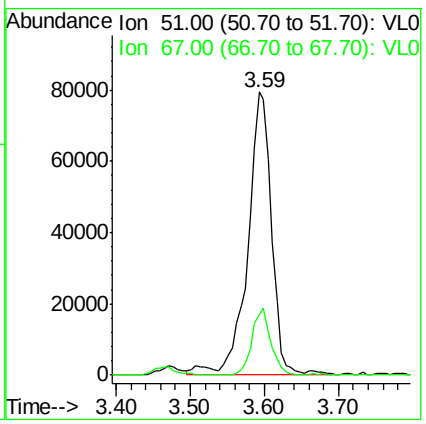




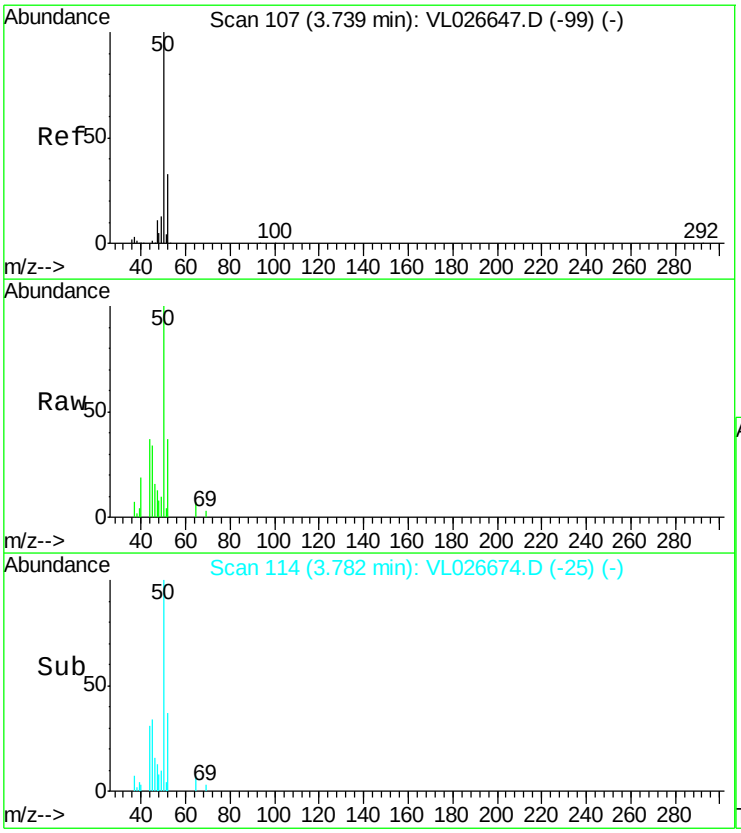
#3
Chlorodifluoromethane
Concen: 1.49 ppbv
RT: 3.59 min Scan# 83
Delta R.T. 0.04 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion: 51 Resp: 179086

Ion	Ratio	Lower	Upper
51	100		
67	18.7	18.6	28.0



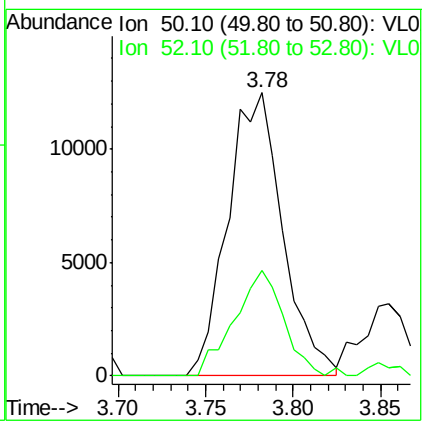
Instrument :
MSVOA_L
ClientSampleId :

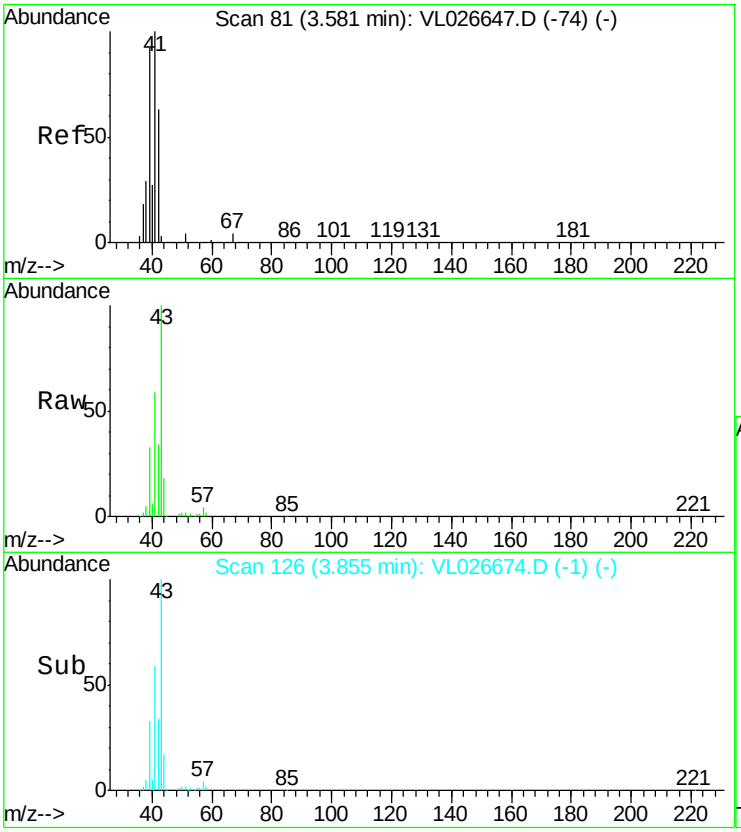


#4
Chloromethane
Concen: 0.46 ppbv
RT: 3.78 min Scan# 114
Delta R.T. 0.04 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion: 50 Resp: 27308

Ion	Ratio	Lower	Upper
50	100		
52	37.5	26.7	40.1



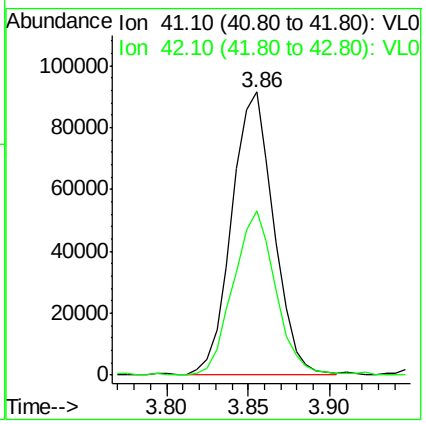


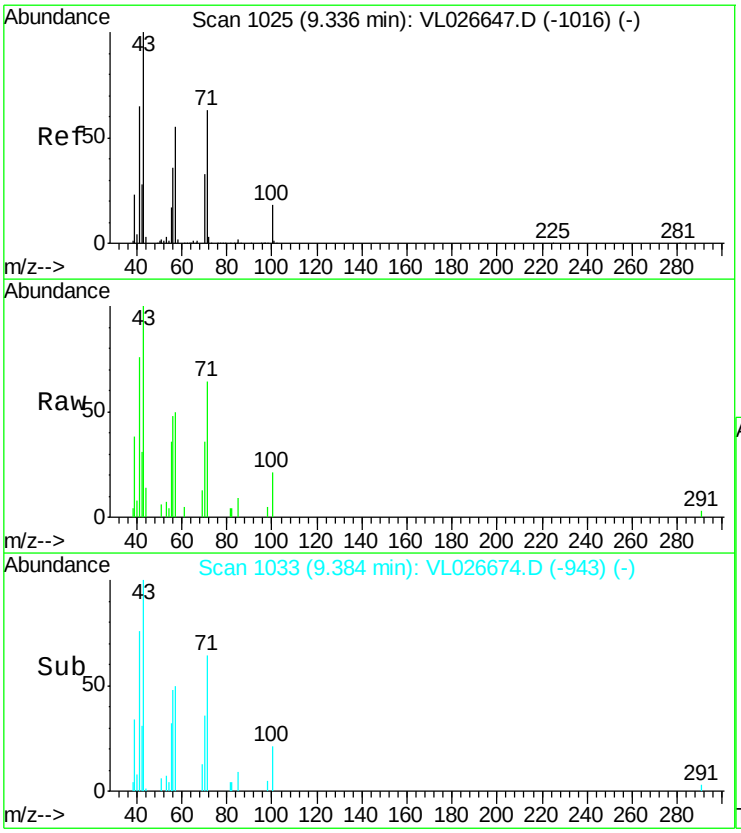
#9
Propene
Concen: 3.78 ppbv
RT: 3.86 min Scan# 126
Delta R.T. 0.27 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 164036

Ion	Ratio	Lower	Upper
41	100		
42	59.2	53.6	80.4

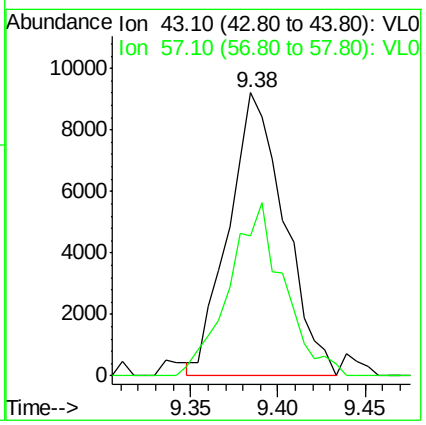


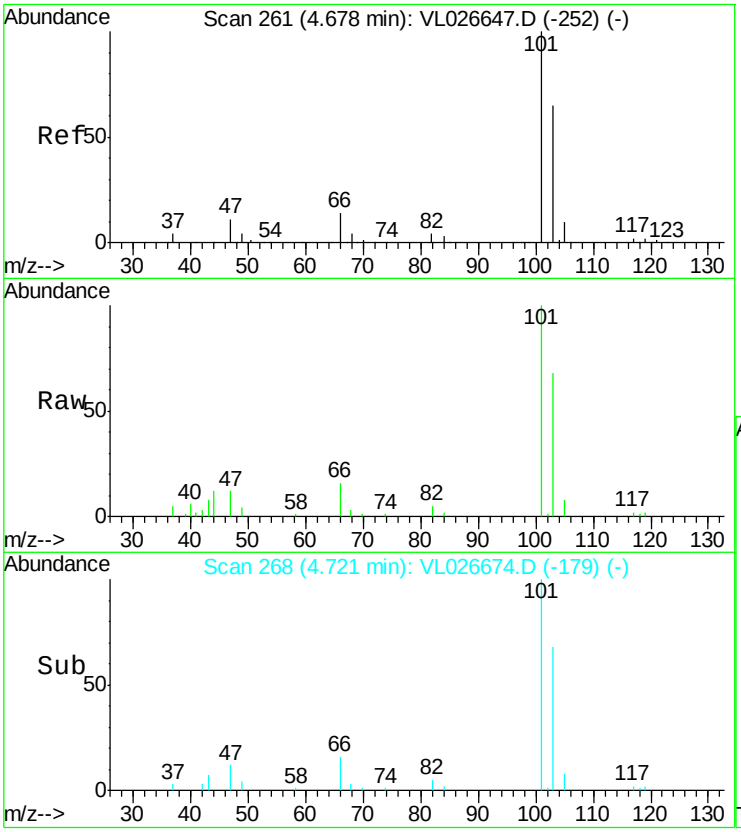


#10
Heptane
Concen: 0.13 ppbv
RT: 9.38 min Scan# 1033
Delta R.T. 0.05 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion: 43 Resp: 20469

Ion	Ratio	Lower	Upper
43	100		
57	59.9	45.8	68.6



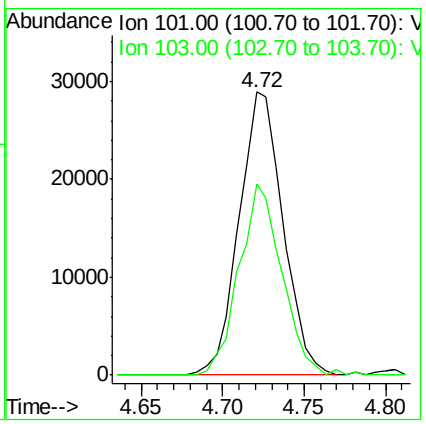


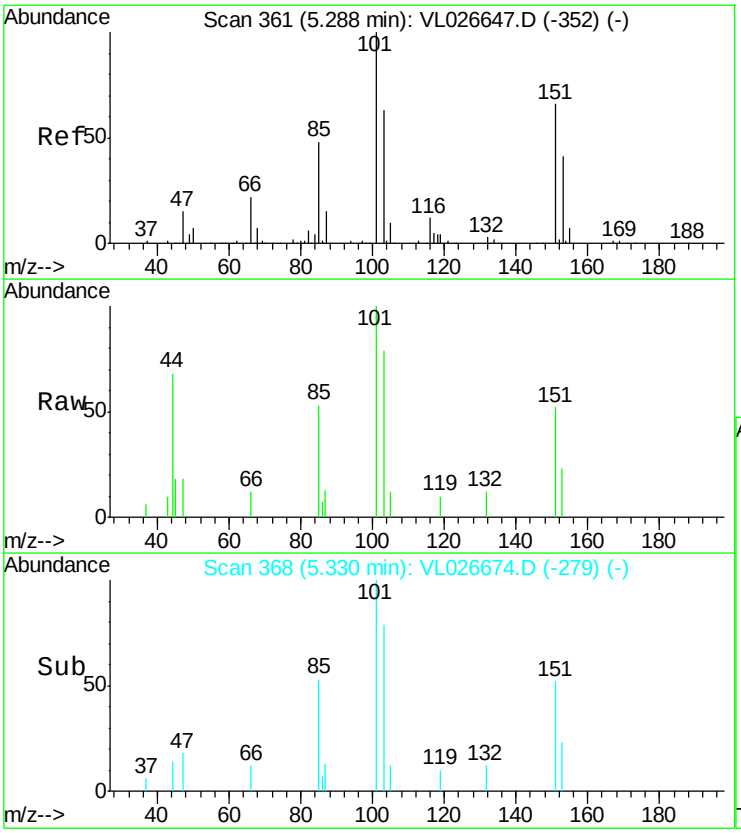
#11
Trichlorofluoromethane
Concen: 0.22 ppbv
RT: 4.72 min Scan# 268
Delta R.T. 0.04 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 54276

Ion	Ratio	Lower	Upper
101	100		
103	67.7	51.7	77.5

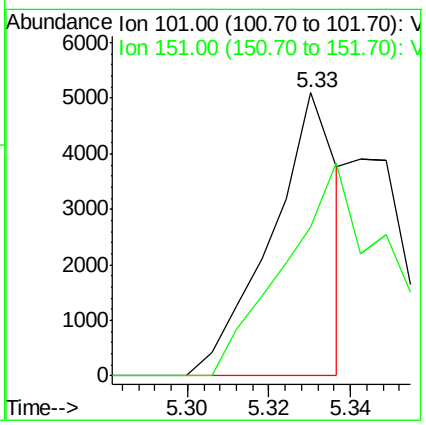


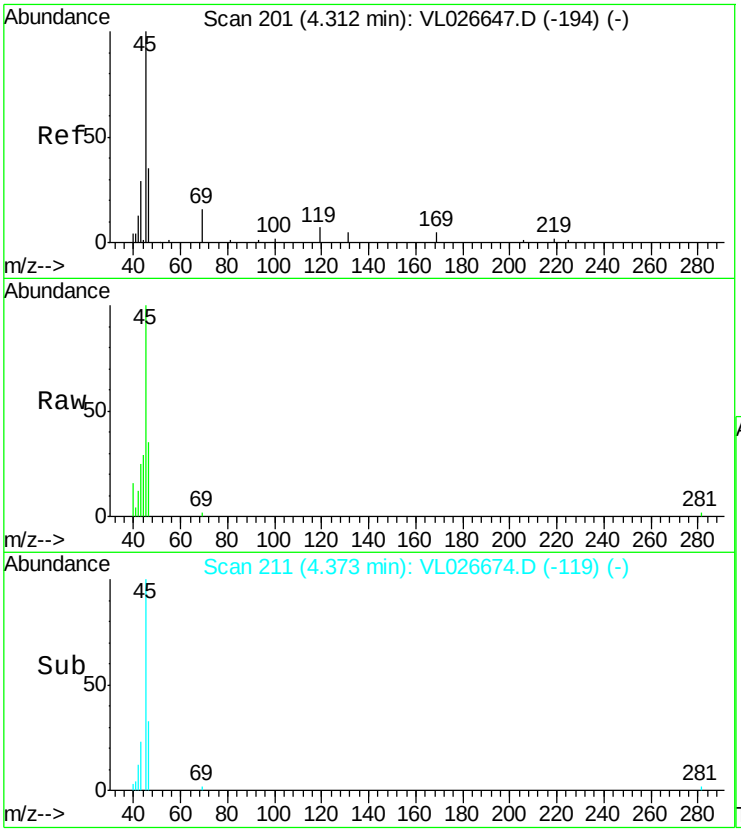


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.04 ppbv
RT: 5.33 min Scan# 368
Delta R.T. 0.04 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion:101 Resp: 5798

Ion	Ratio	Lower	Upper
101	100		
151	0.0	54.2	81.4#



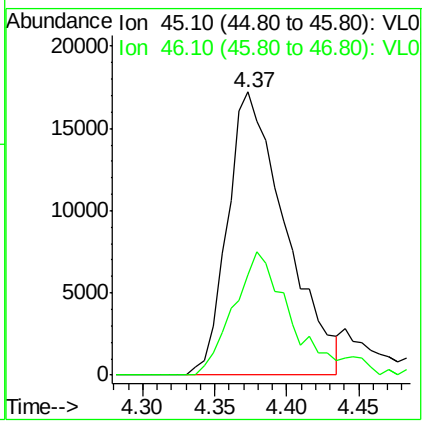


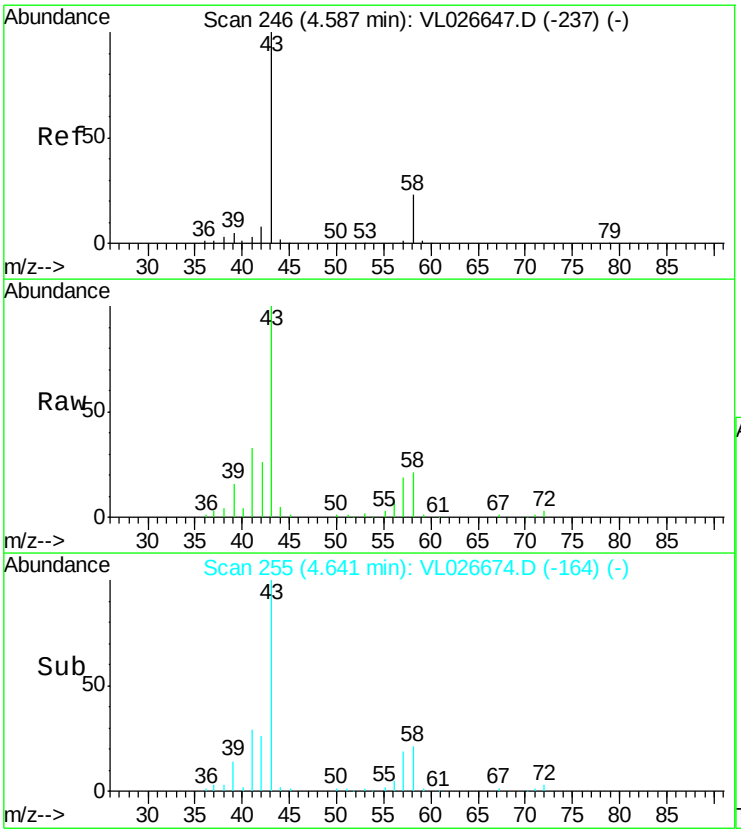
#13
Ethanol
Concen: 5.88 ppbv
RT: 4.37 min Scan# 211
Delta R.T. 0.06 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 48427

Ion	Ratio	Lower	Upper
45	100		
46	44.9	16.7	66.7

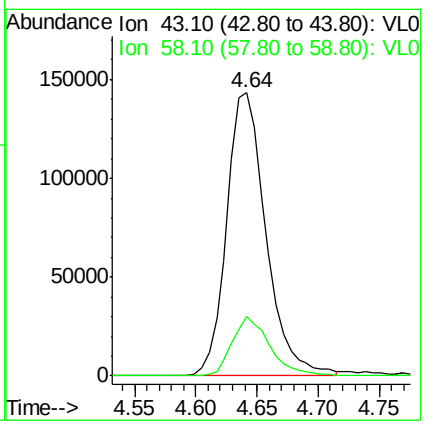


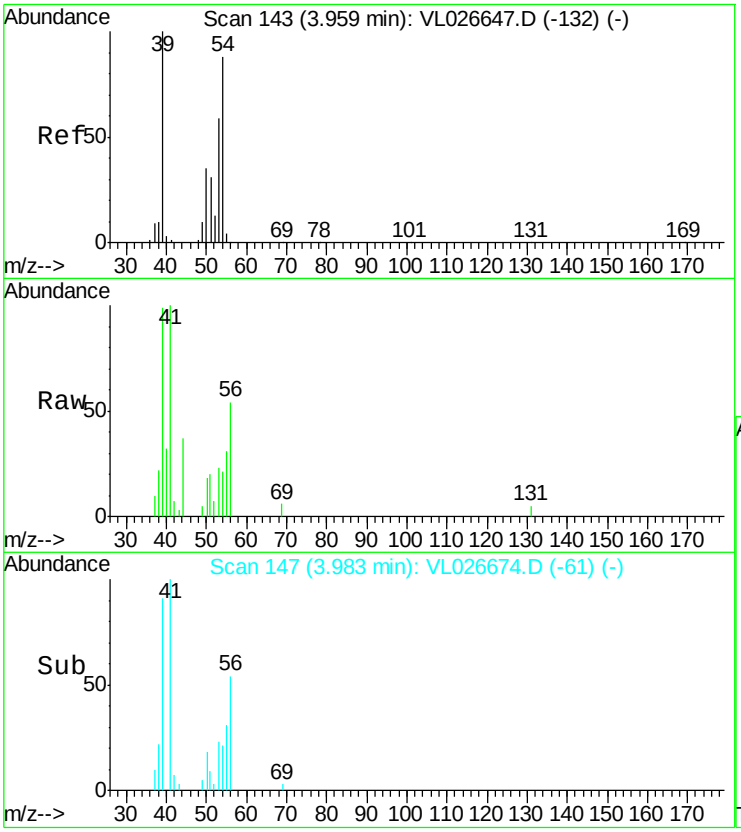


#15
Acetone
Concen: 2.12 ppbv
RT: 4.64 min Scan# 255
Delta R.T. 0.05 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion: 43 Resp: 316534

Ion	Ratio	Lower	Upper
43	100		
58	20.6	19.2	28.8



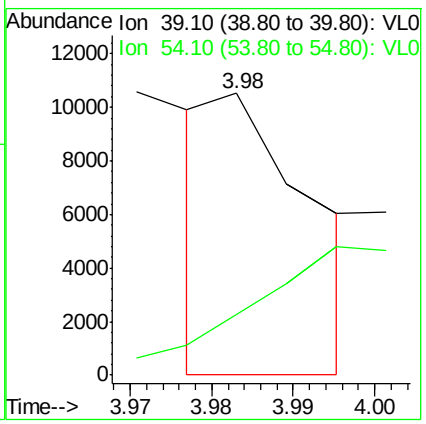


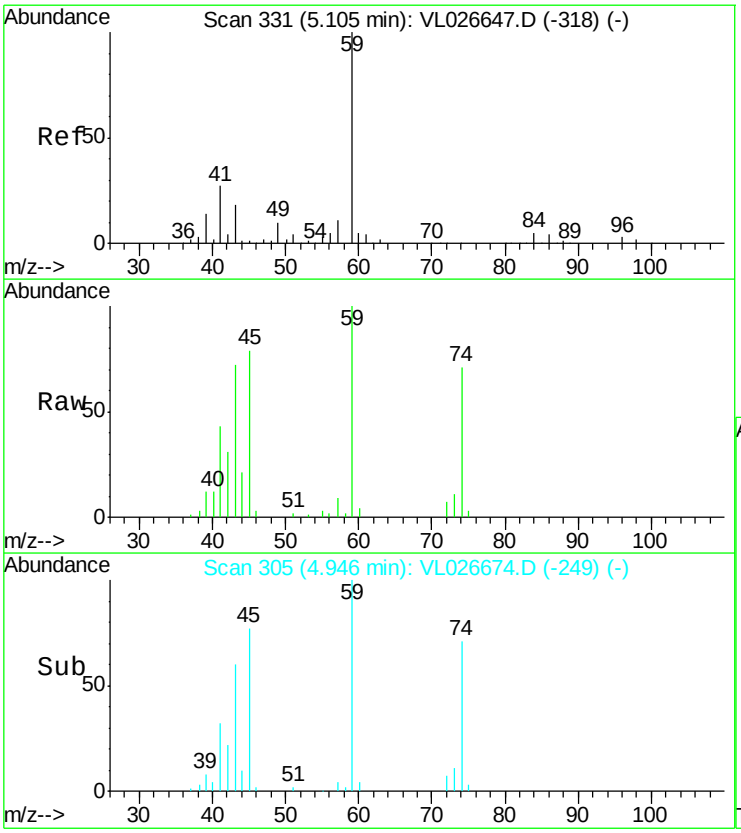
#16
1,3-Butadiene
Concen: 0.15 ppbv
RT: 3.98 min Scan# 147
Delta R.T. 0.02 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 8671

Ion	Ratio	Lower	Upper
39	100		
54	119.3	66.6	100.0#

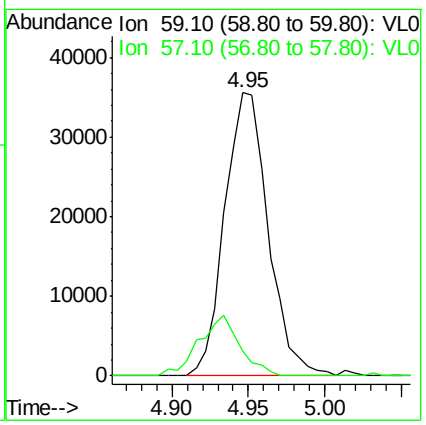


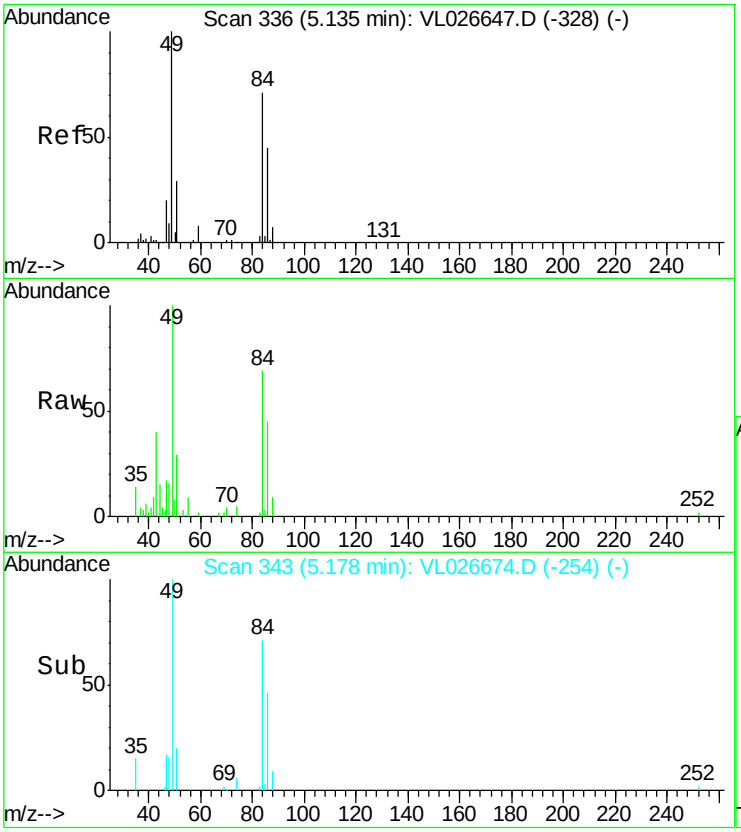


#17
tert-Butyl alcohol
Concen: 0.62 ppbv
RT: 4.95 min Scan# 305
Delta R.T. -0.16 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion: 59 Resp: 70086

Ion	Ratio	Lower	Upper
59	100		
57	20.1	9.0	13.6#



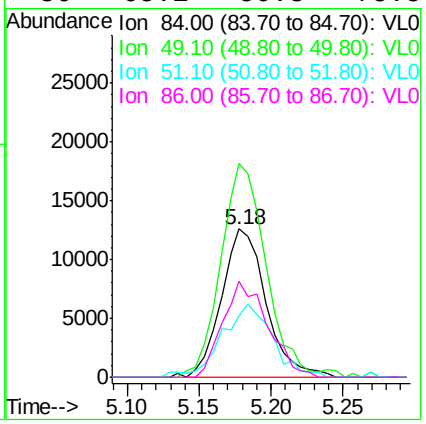


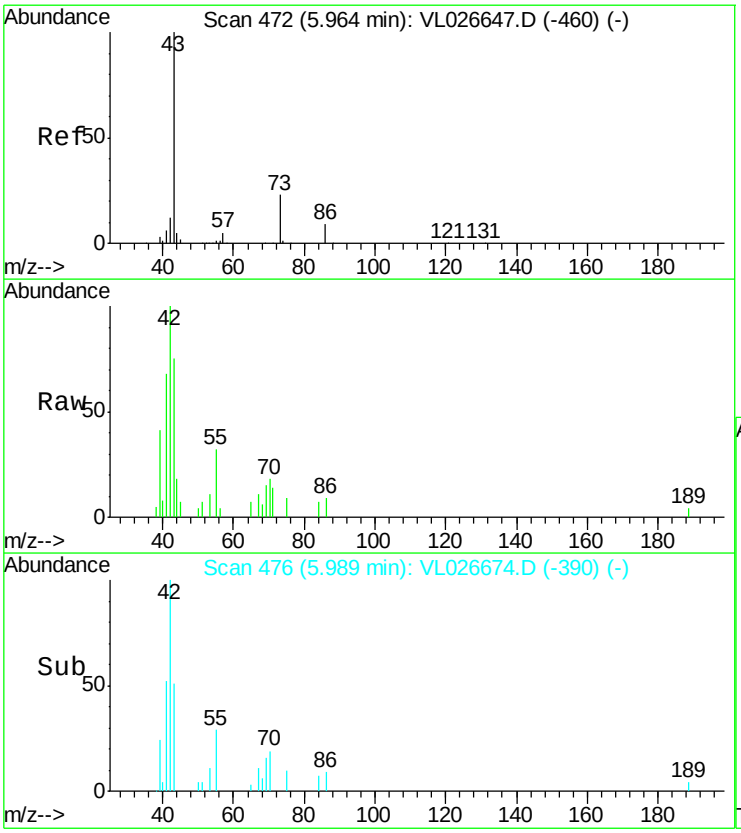
#20
Methylene Chloride
Concen: 0.45 ppbv
RT: 5.18 min Scan# 343
Delta R.T. 0.04 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 27265

Ion	Ratio	Lower	Upper
84	100		
49	139.5	112.3	168.5
51	41.6	32.5	48.7
86	65.1	50.3	75.5

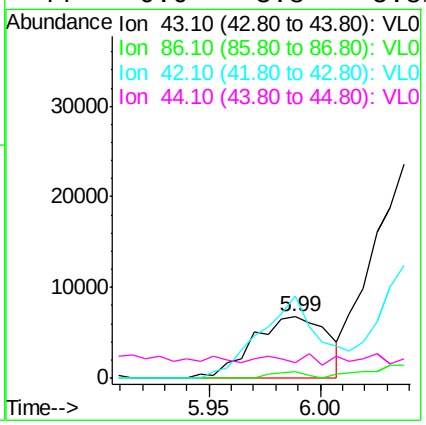


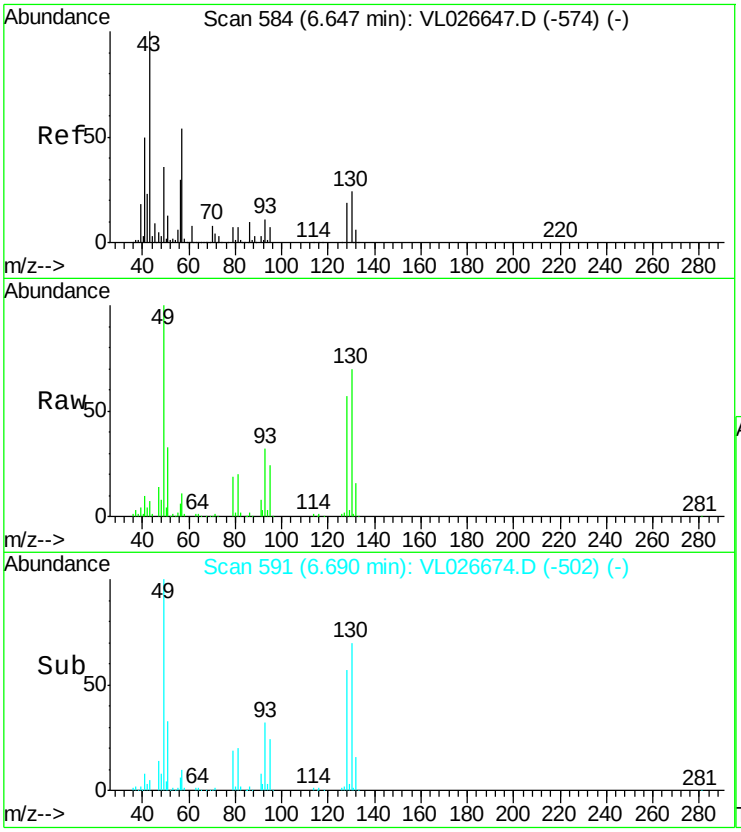


#23
Vinyl Acetate
Concen: 0.07 ppbv
RT: 5.99 min Scan# 476
Delta R.T. 0.02 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion: 43 Resp: 15940

Ion	Ratio	Lower	Upper
43	100		
86	11.5	7.4	11.0#
42	133.7	9.2	13.8#
44	0.0	3.8	5.8#



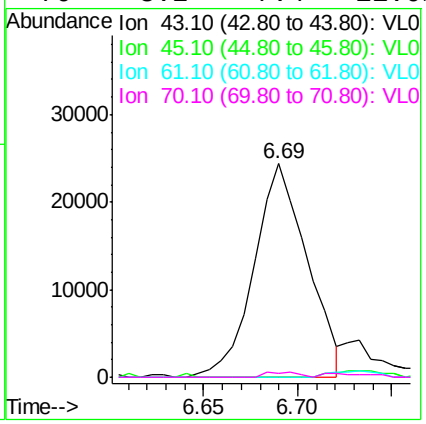


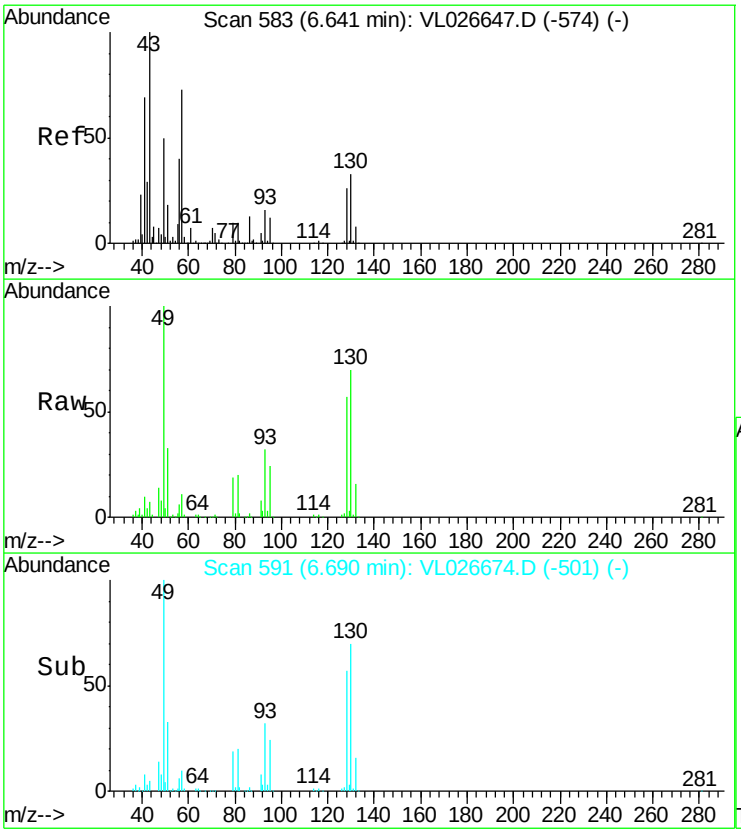
#25
Ethyl Acetate
Concen: 0.21 ppbv
RT: 6.69 min Scan# 591
Delta R.T. 0.04 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 47693

Ion	Ratio	Lower	Upper
43	100		
45	0.7	7.5	11.3#
61	0.0	7.3	10.9#
70	3.2	7.4	11.0#

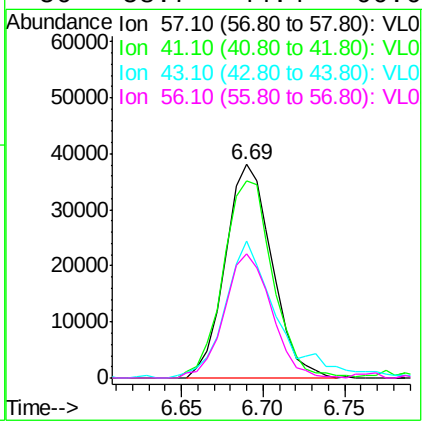


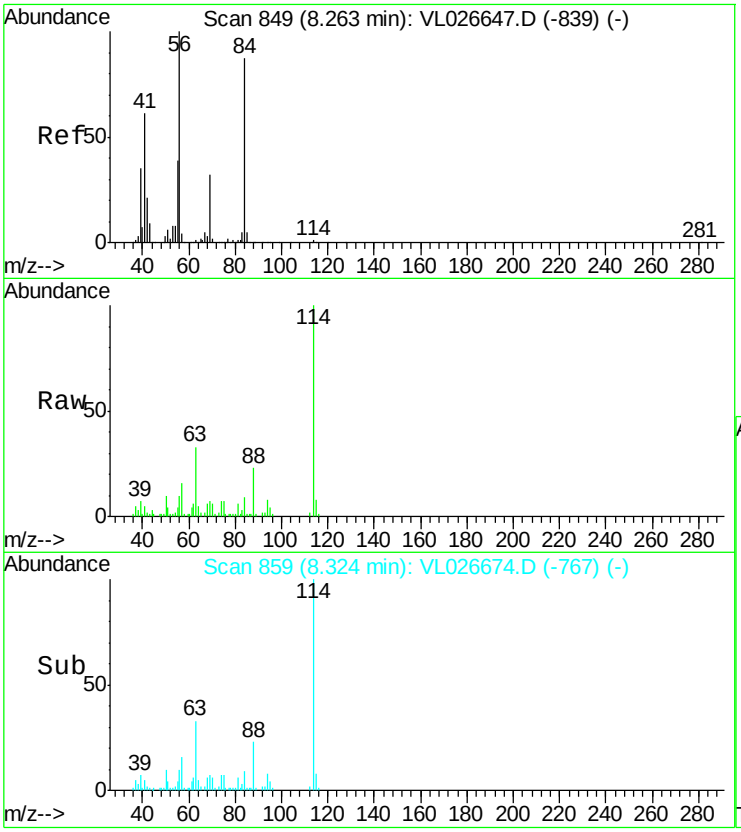


#26
Hexane
Concen: 0.64 ppbv
RT: 6.69 min Scan# 591
Delta R.T. 0.05 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion: 57 Resp: 76132

Ion	Ratio	Lower	Upper
57	100		
41	97.5	74.8	112.2
43	73.1	161.5	242.3#
56	58.7	44.4	66.6



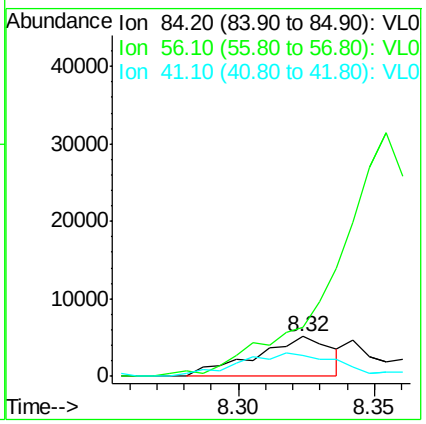


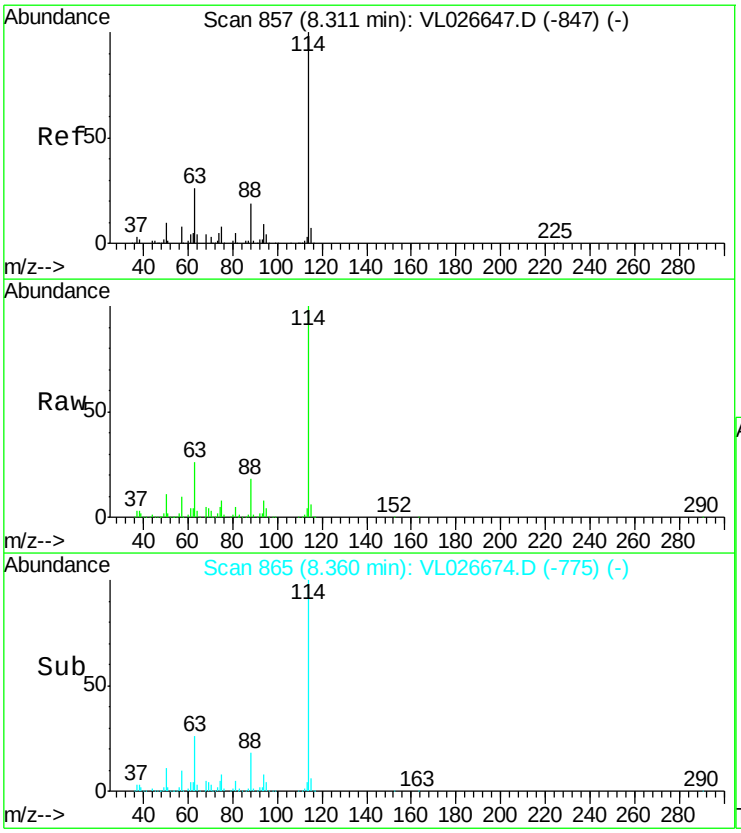
#30
Cyclohexane
Concen: 0.08 ppbv
RT: 8.32 min Scan# 859
Delta R.T. 0.06 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 9971

Ion	Ratio	Lower	Upper
84	100		
56	0.0	95.9	143.9#
41	86.9	54.8	82.2#

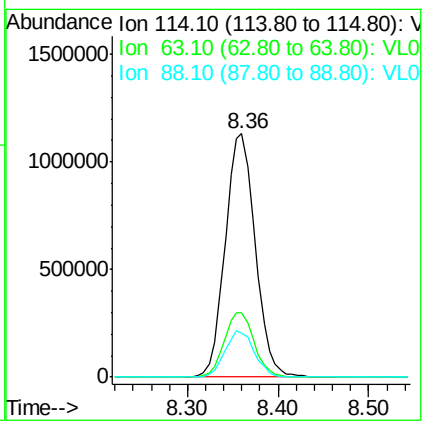


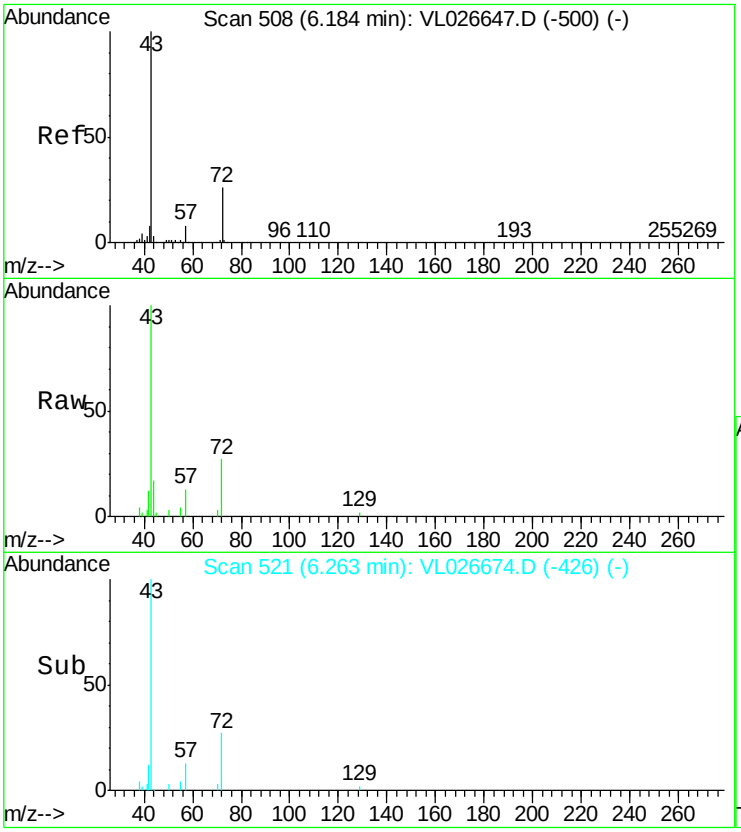


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.36 min Scan# 865
Delta R.T. 0.05 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion:114 Resp: 2624971

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.7	32.5
88	18.7	15.2	22.8



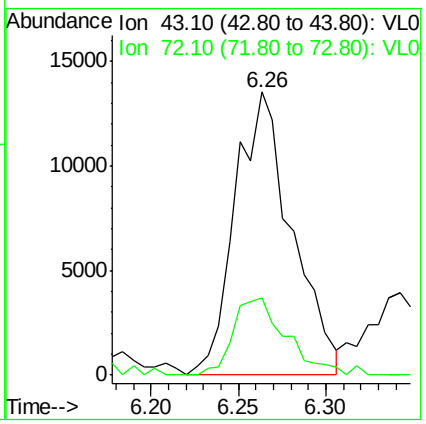


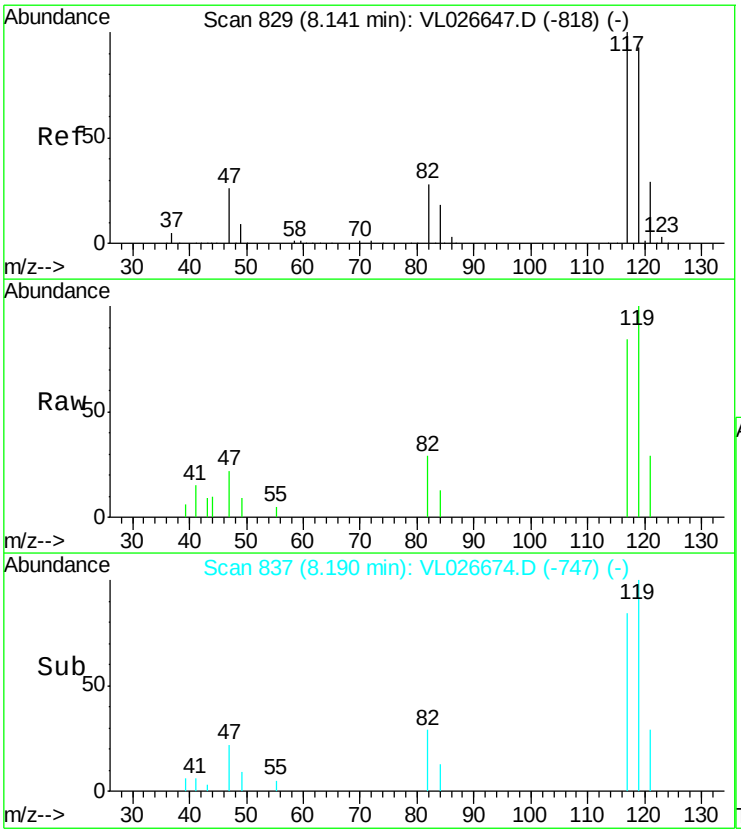
#34
2-Butanone
Concen: 0.22 ppbv
RT: 6.26 min Scan# 521
Delta R.T. 0.08 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 30637

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.9	31.3

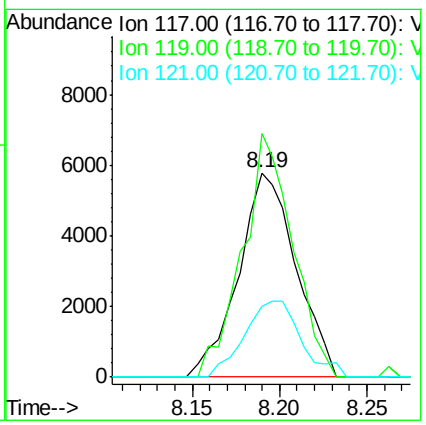


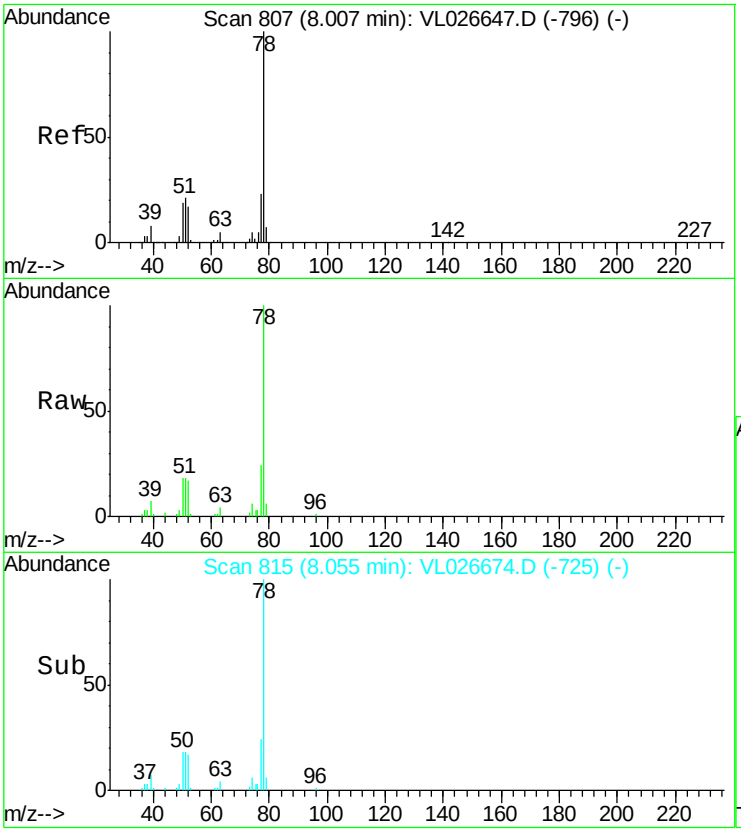


#35
Carbon Tetrachloride
Concen: 0.06 ppbv
RT: 8.19 min Scan# 837
Delta R.T. 0.05 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion:117 Resp: 13252

Ion	Ratio	Lower	Upper
117	100		
119	119.1	74.7	112.1#
121	34.6	23.1	34.7



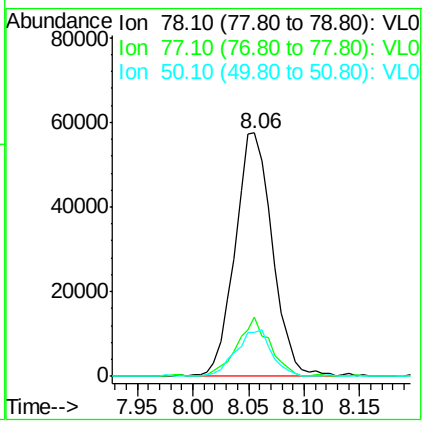


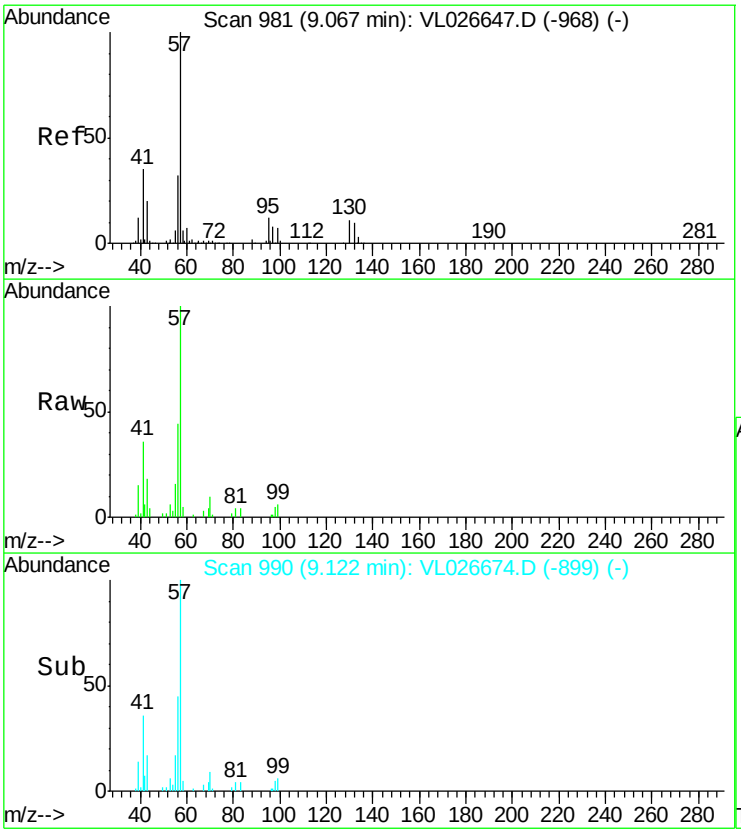
#36
Benzene
Concen: 0.50 ppbv
RT: 8.06 min Scan# 815
Delta R.T. 0.05 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 133897

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.5	27.7
50	17.9	15.4	23.2

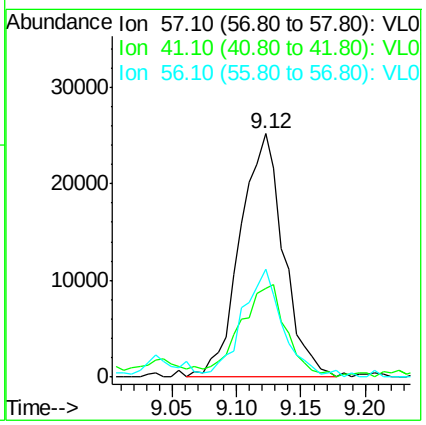


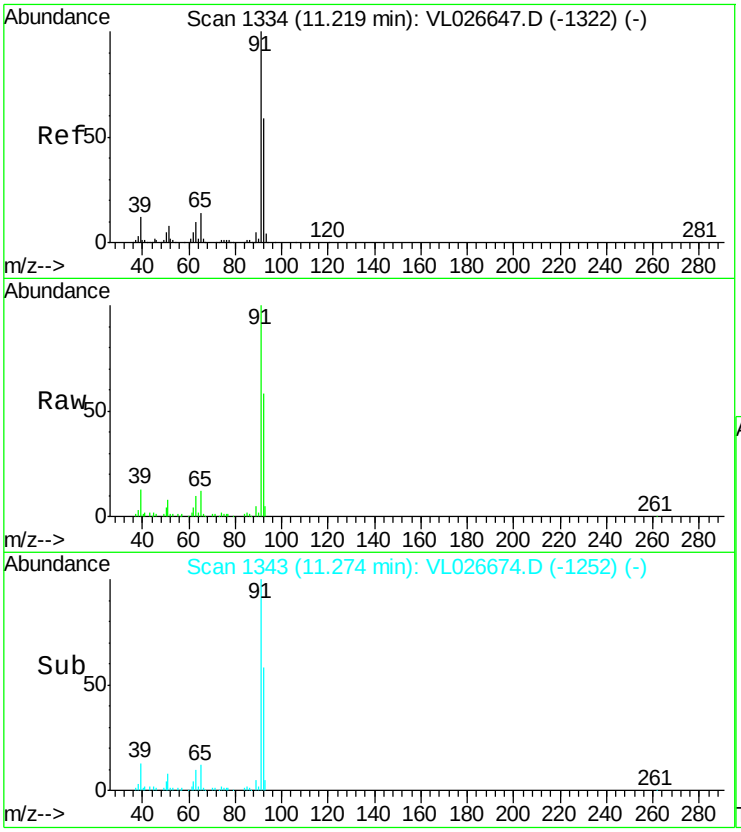


#44
2,2,4-Trimethylpentane
Concen: 0.13 ppbv
RT: 9.12 min Scan# 990
Delta R.T. 0.05 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion: 57 Resp: 58776

Ion	Ratio	Lower	Upper
57	100		
41	40.6	26.9	40.3#
56	41.8	25.4	38.0#



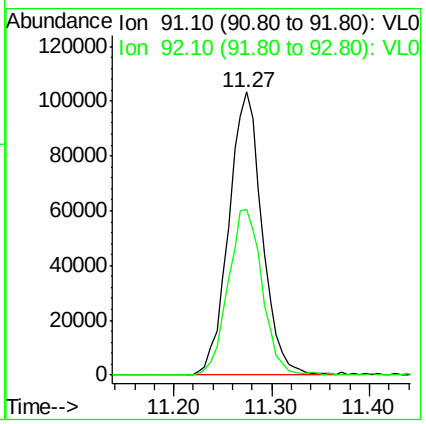


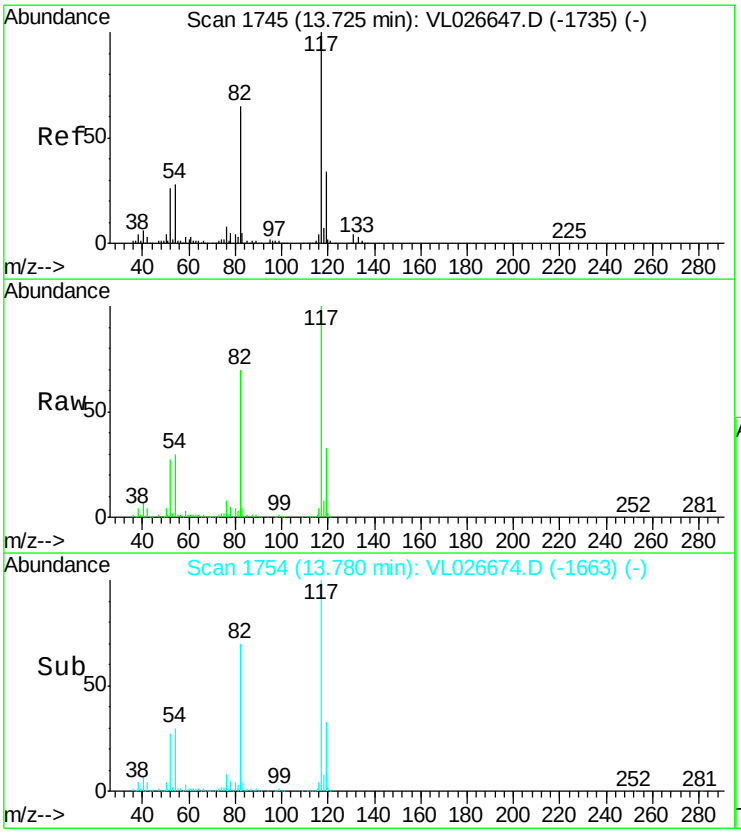
#53
Toluene
Concen: 0.64 ppbv
RT: 11.27 min Scan# 1343
Delta R.T. 0.05 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 244586

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.2	72.4

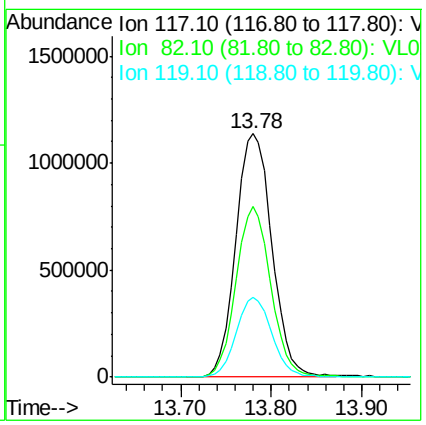


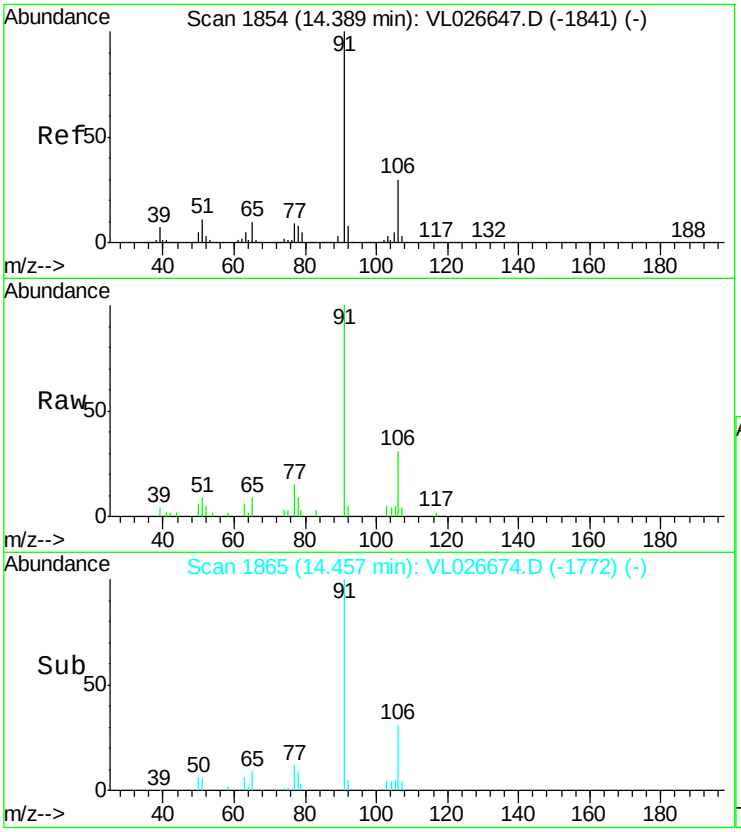


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. 0.05 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion:117 Resp: 3152866

Ion	Ratio	Lower	Upper
117	100		
82	68.2	49.7	74.5
119	32.5	43.8	65.8#



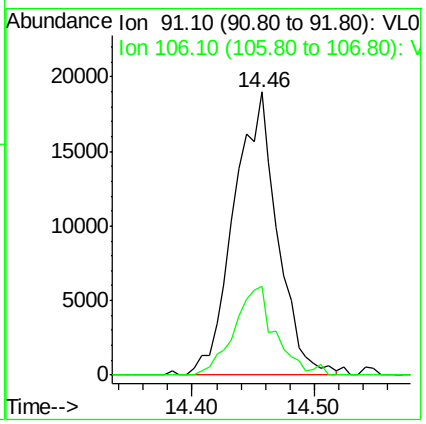


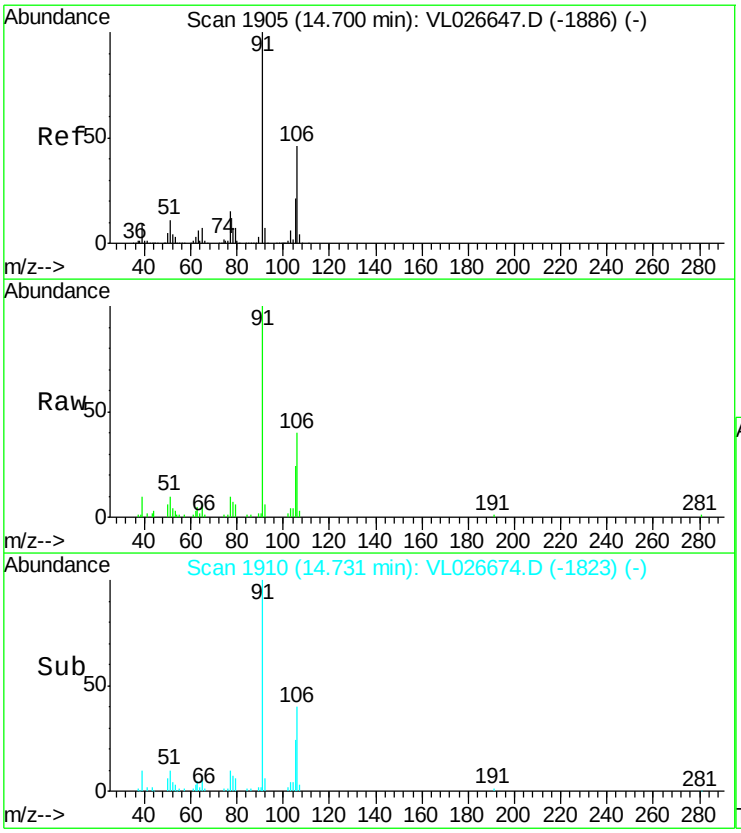
#58
Ethyl Benzene
Concen: 0.08 ppbv
RT: 14.46 min Scan# 1865
Delta R.T. 0.07 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 47045

Ion	Ratio	Lower	Upper
91	100		
106	31.2	23.8	35.6

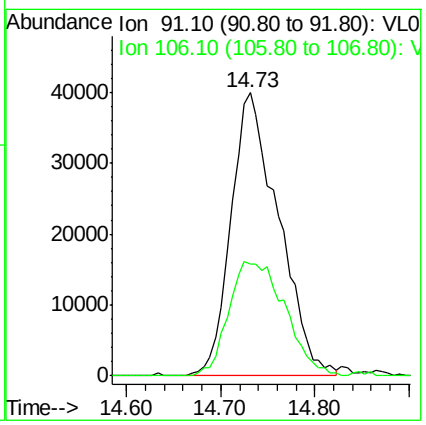


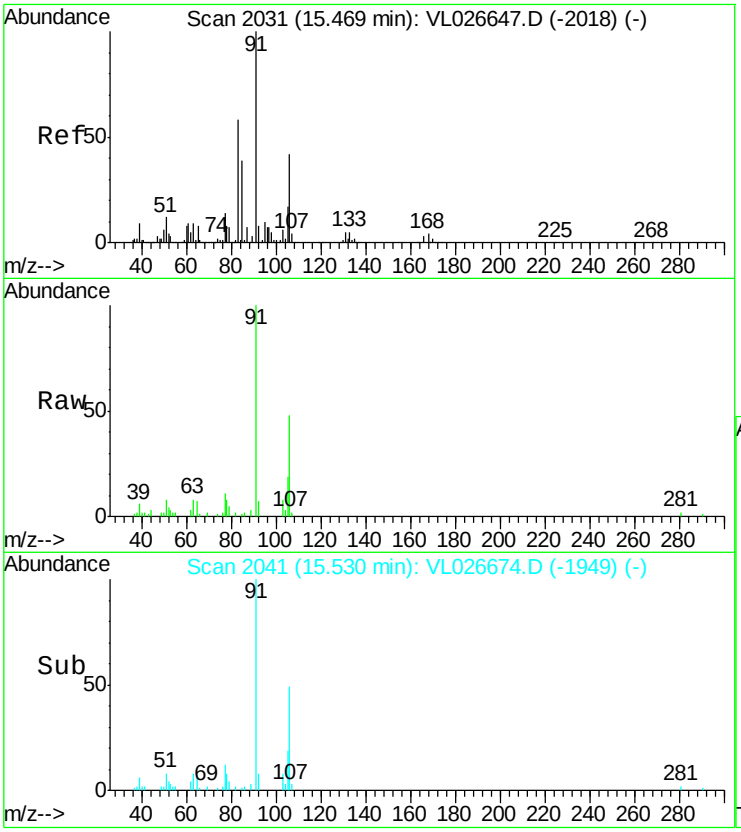


#59
m/p-Xylene
Concen: 0.30 ppbv
RT: 14.73 min Scan# 1910
Delta R.T. 0.03 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion: 91 Resp: 140434

Ion	Ratio	Lower	Upper
91	100		
106	48.1	36.6	55.0



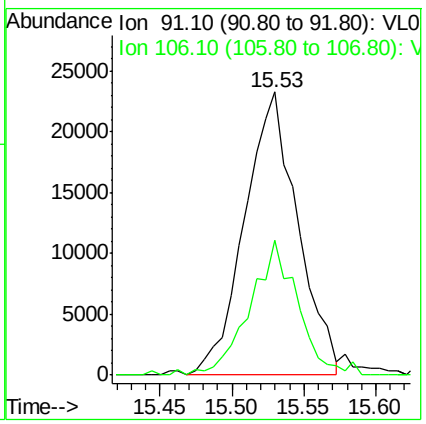


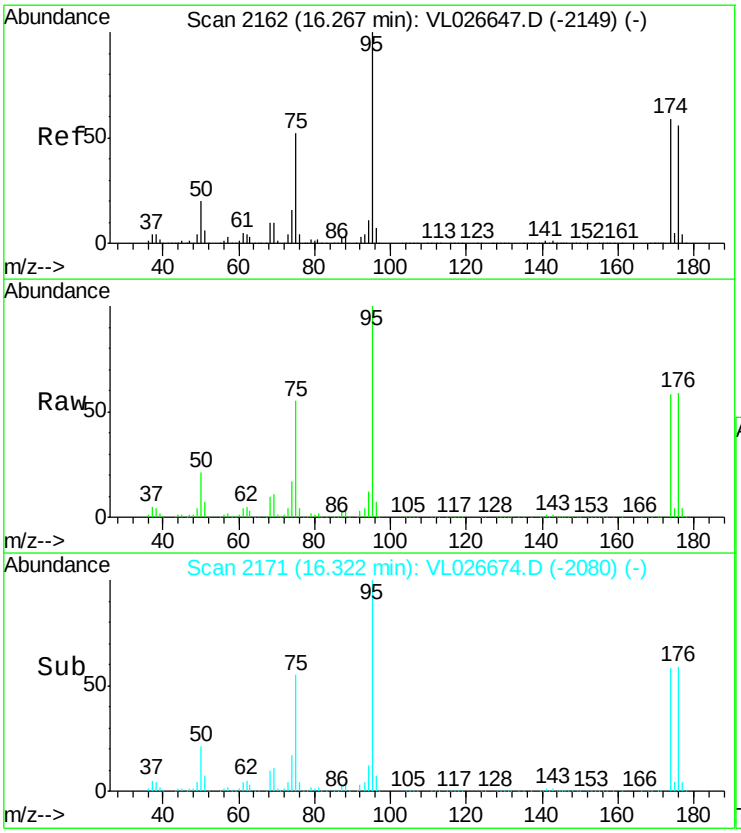
#60
o-Xylene
Concen: 0.12 ppbv
RT: 15.53 min Scan# 2041
Delta R.T. 0.06 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 59593

Ion	Ratio	Lower	Upper
91	100		
106	43.1	21.5	64.5

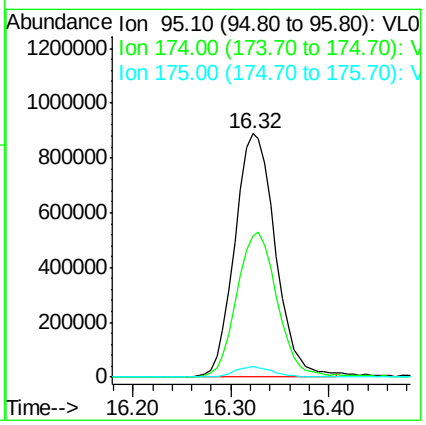


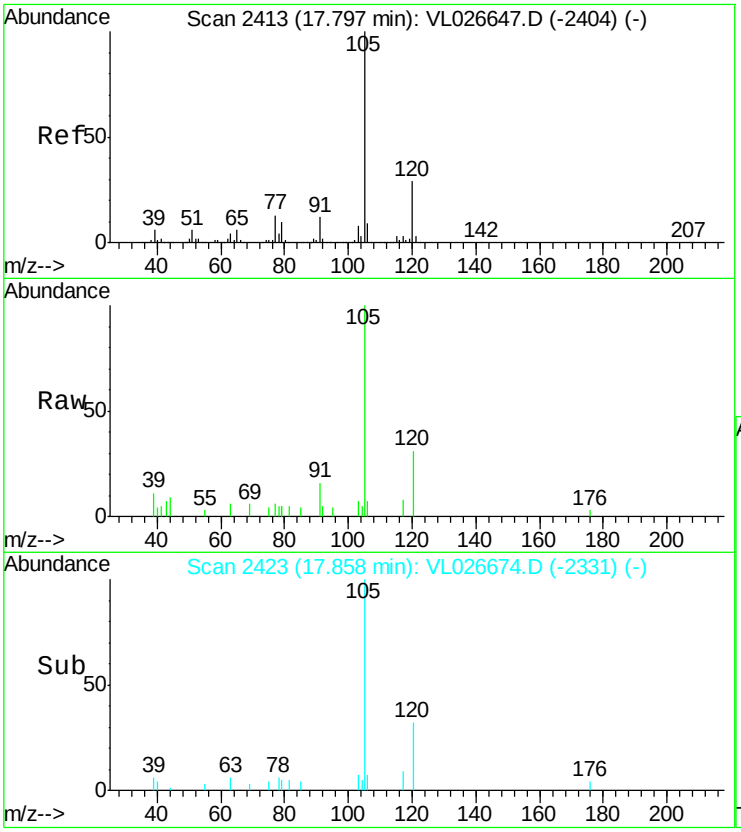


#68
1-Bromo-4-Fluorobenzene
Concen: 10.18 ppbv
RT: 16.32 min Scan# 2171
Delta R.T. 0.05 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion: 95 Resp: 2557857

Ion	Ratio	Lower	Upper
95	100		
174	60.2	47.8	71.8
175	4.4	3.6	5.4



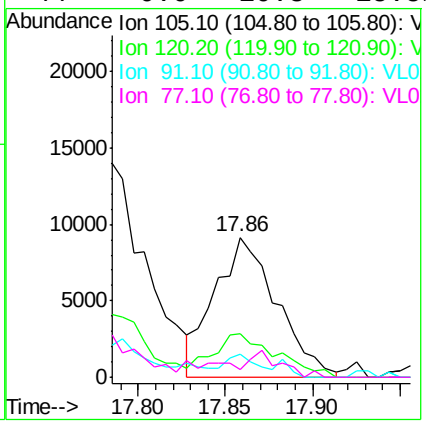


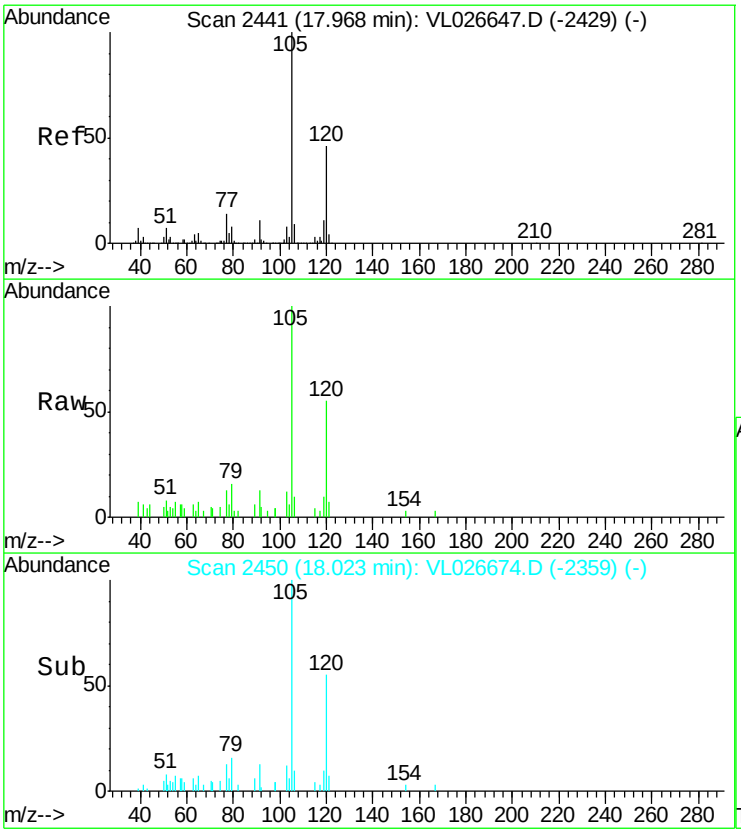
#72
4-Ethyltoluene
Concen: 0.04 ppbv
RT: 17.86 min Scan# 2423
Delta R.T. 0.06 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 22557

Ion	Ratio	Lower	Upper
105	100		
120	33.2	23.7	35.5
91	11.2	9.7	14.5
77	0.0	10.3	15.5#

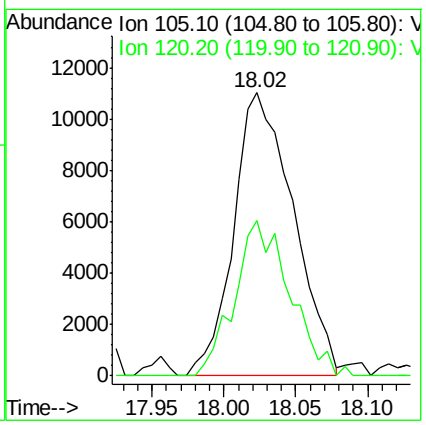


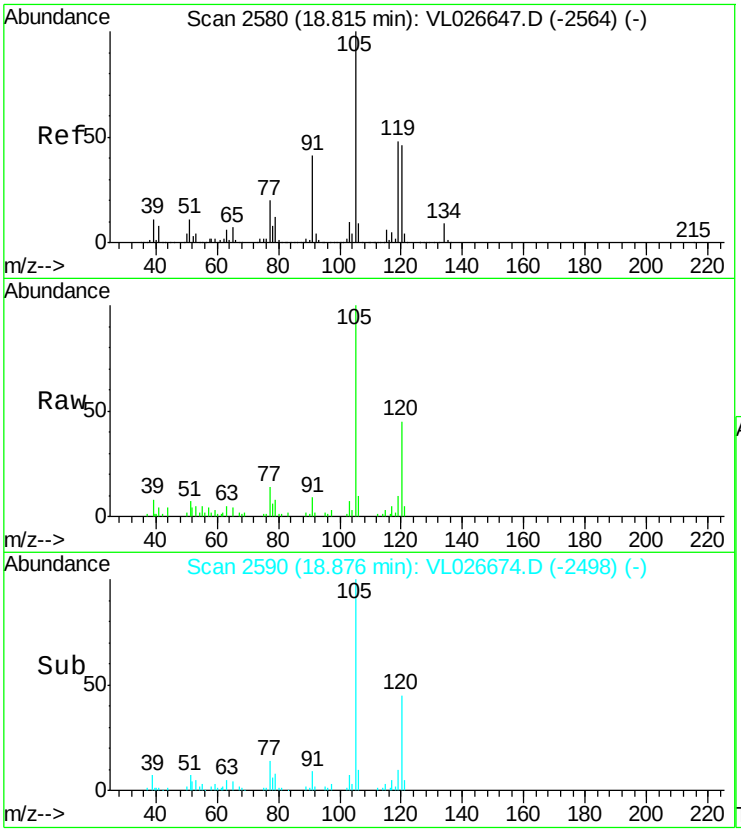


#73
1,3,5-Trimethylbenzene
Concen: 0.06 ppbv
RT: 18.02 min Scan# 2450
Delta R.T. 0.05 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Tgt Ion:105 Resp: 31717

Ion	Ratio	Lower	Upper
105	100		
120	54.7	36.6	54.8





#74
1,2,4-Trimethylbenzene
Concen: 0.19 ppbv
RT: 18.88 min Scan# 2590
Delta R.T. 0.06 min
Lab File: VL026674.D
Acq: 12 Jan 2016 14:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 107095

Ion	Ratio	Lower	Upper
105	100		
120	44.8	36.6	55.0
91	9.2	32.5	48.7#
77	12.6	15.7	23.5#