Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030320\
Data File : VL034766.D
Acq On : 3 Mar 2020 16:29
Operator : SY/AP
Sample : L1704-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 04 05:47:11 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	920024	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.21	114	1922112	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.14	117	1932930	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.48	95	1706291	10.77	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.70%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.94	51	210486	2.120	ppbv	#	67
4) Chloromethane	3.12	50	30854	0.555	ppbv		97
6) Bromomethane	3.45	94	706	0.022	ppbv	#	40
9) Propene	3.18	41	143994	3.469	ppbv		99
10) Heptane	8.16	43	193596	1.812	ppbv		99
11) Trichlorofluoromethane	3.94	101	42838	0.337	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	3278	0.037	ppbv	#	15
13) Ethanol	3.59	45	537928	41.028	ppbv		96
15) Acetone	3.83	43	4774715	45.544	ppbv		95
16) 1,3-Butadiene	3.34	39	149822	3.087	ppbv	#	11
17) tert-Butyl alcohol	4.30	59	70346	0.876	ppbv	#	94
19) Isopropyl Alcohol	3.97	45	121630	1.948	ppbv	#	94
20) Methylene Chloride	4.34	84	178677	4.583	ppbv		98
21) Allyl Chloride	4.36	41	3312	0.048	ppbv	#	1
23) Vinyl Acetate	5.08	43	367842	2.581	ppbv	#	94
25) Ethyl Acetate	5.70	43	267490	1.441	ppbv	#	81
26) Hexane	5.70	57	365130	4.269	ppbv	#	44
29) Chloroform	5.77	83	9185	0.067	ppbv		84
30) Cyclohexane	7.17	84	6767	0.102	ppbv	#	1
34) 2-Butanone	5.25	43	257231	2.126	ppbv		96
36) Benzene	6.92	78	52097	0.314	ppbv	#	87
39) 1,2-Dichloropropane	7.21	63	561389	8.500	ppbv	#	25
41) Tetrahydrofuran	6.08	42	80031	1.253	ppbv		98
44) 2,2,4-Trimethylpentane	7.91	57	11332	0.039	ppbv	#	42
50) 4-Methyl-2-Pentanone	8.79	43	4050	0.024	ppbv	#	39
52) Tetrachloroethene	11.28	164	1364	0.022	ppbv	#	74
53) Toluene	9.85	91	1895420	10.735	ppbv		100
58) Ethyl Benzene	12.77	91	36192	0.155	ppbv		97
59) m/p-Xylene	13.06	91	49531	0.243	ppbv	#	32
60) o-Xylene	13.76	91	37645	0.186	ppbv	#	20
72) 4-Ethyltoluene	15.91	105	13032	0.058	ppbv	#	21
73) 1,3,5-Trimethylbenzene	16.07	105	22095	0.102	ppbv	#	84
74) 1,2,4-Trimethylbenzene	16.83	105	88616	0.370	ppbv	#	71
80) Naphthalene,2-methyl-	25.04	142	5444	0.084	ppbv	#	91

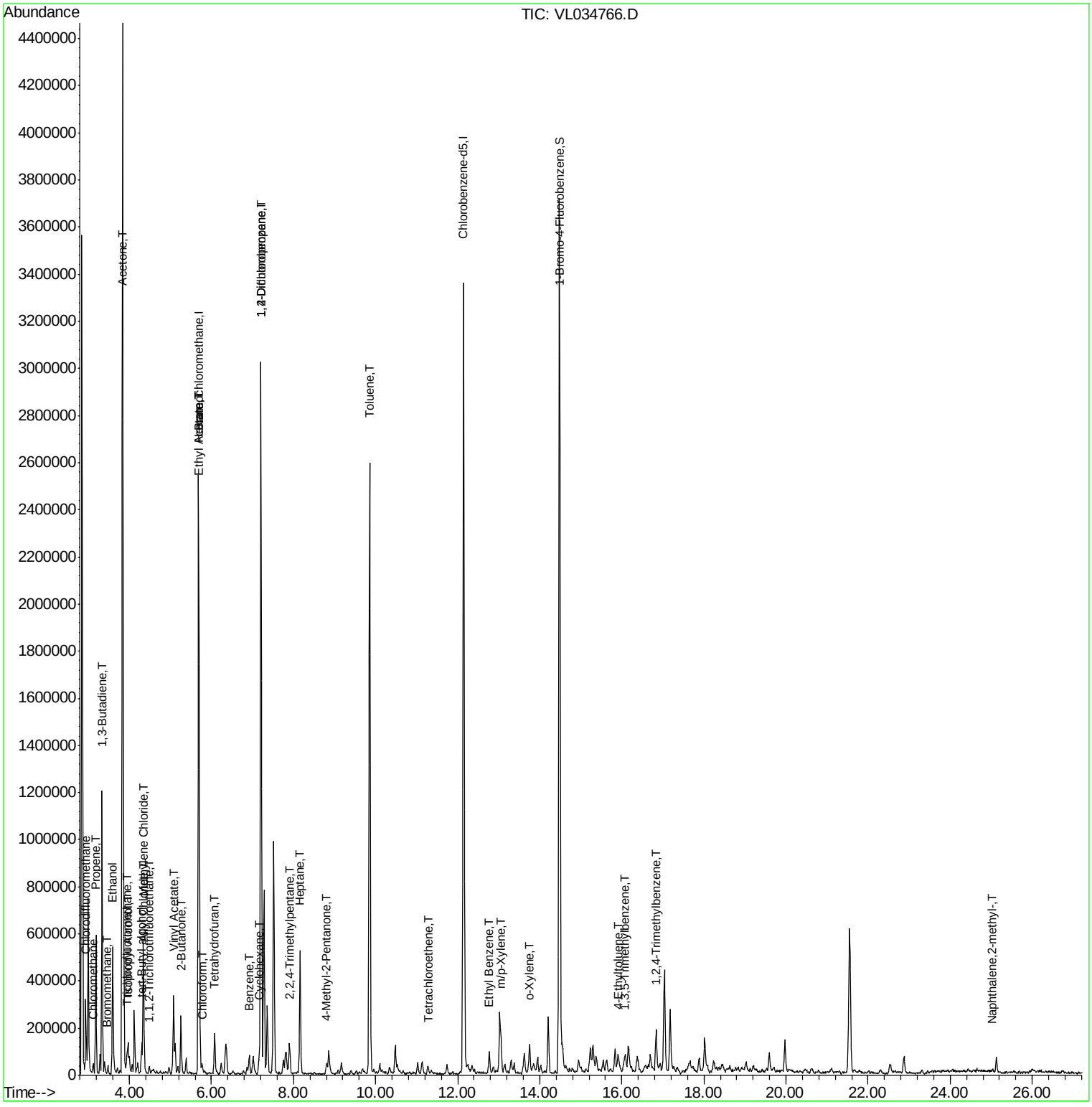
(#) = qualifier out of range (m) = manual integration (+) = signals summed

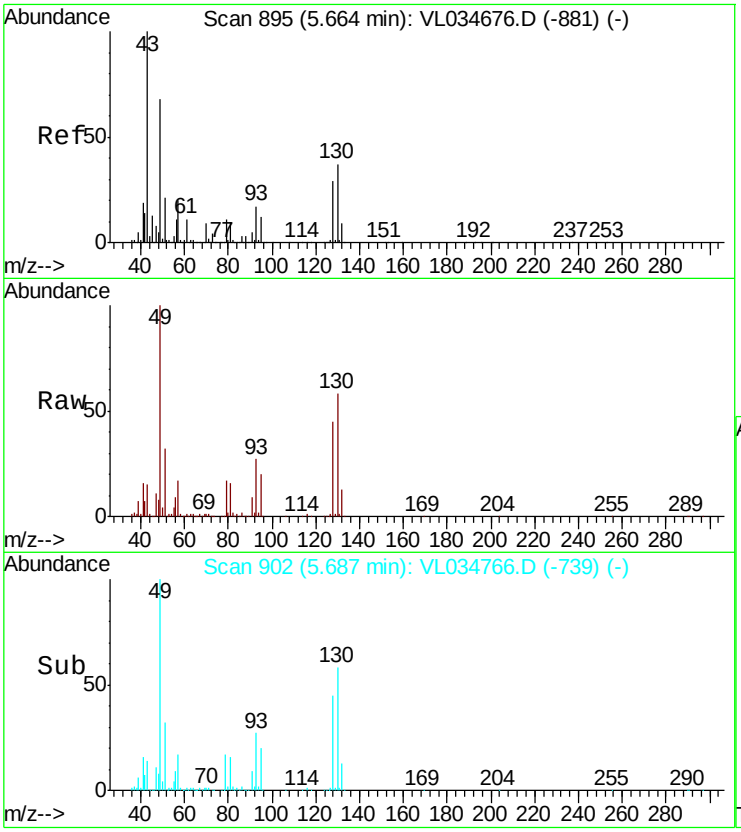
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030320\
Data File : VL034766.D
Acq On : 3 Mar 2020 16:29
Operator : SY/AP
Sample : L1704-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 04 05:47:11 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



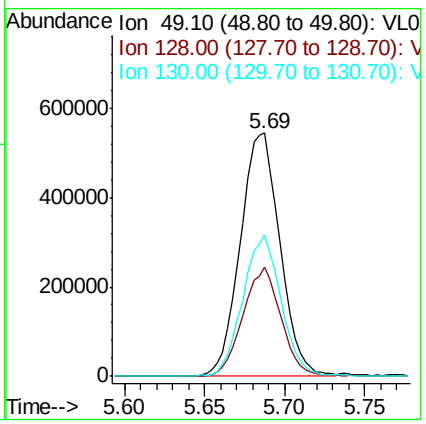


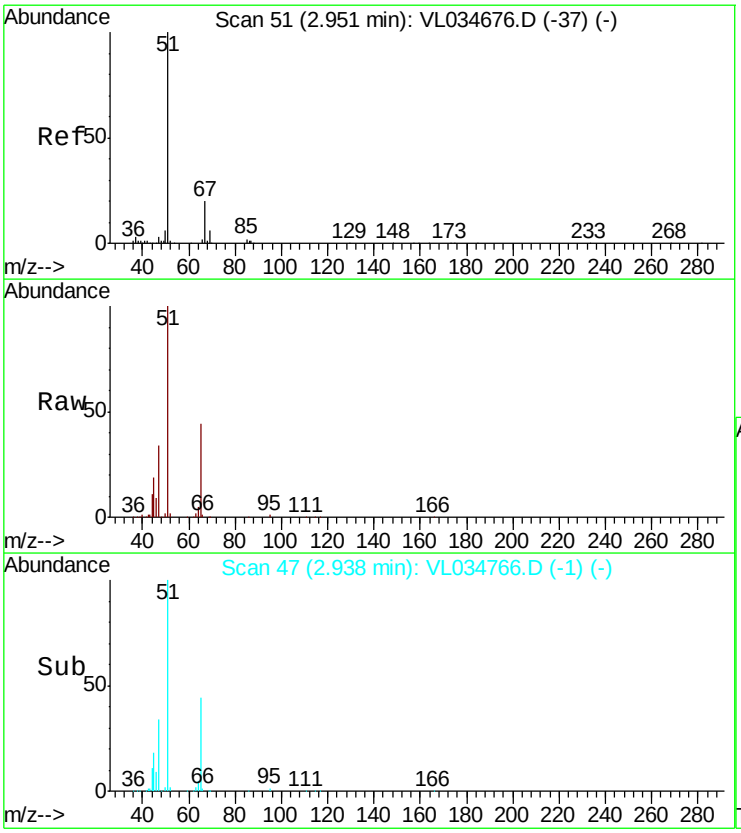
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 920024

Ion	Ratio	Lower	Upper
49	100		
128	43.4	21.6	65.0
130	56.6	27.7	83.1

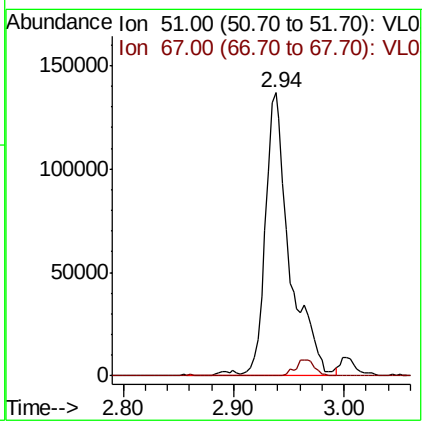


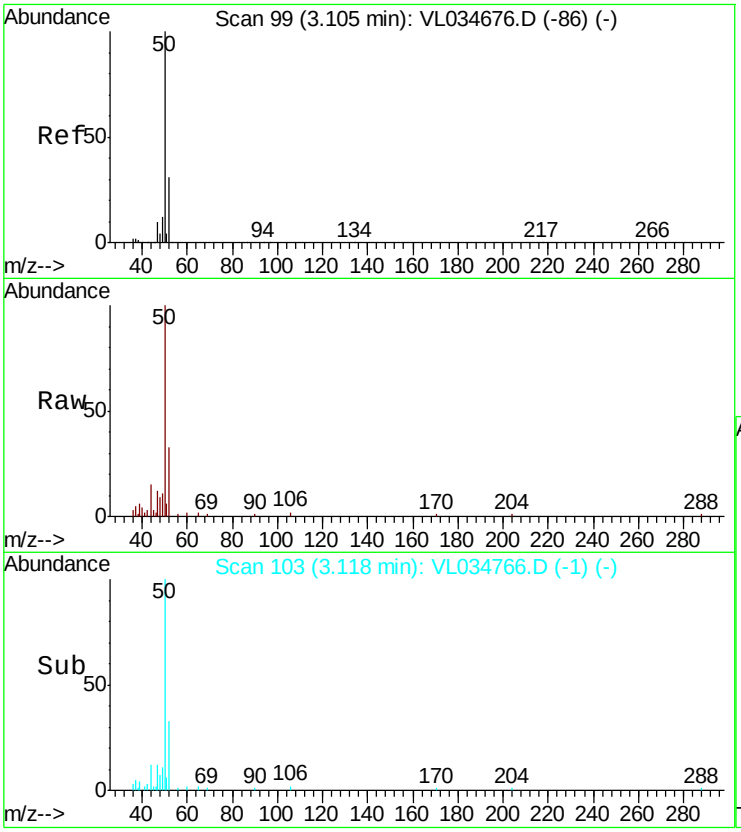


#3
Chlorodifluoromethane
Concen: 2.120 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.01 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 51 Resp: 210486

Ion	Ratio	Lower	Upper
51	100		
67	4.5	15.5	23.3#

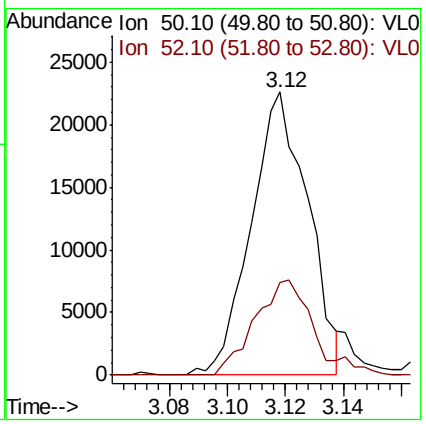




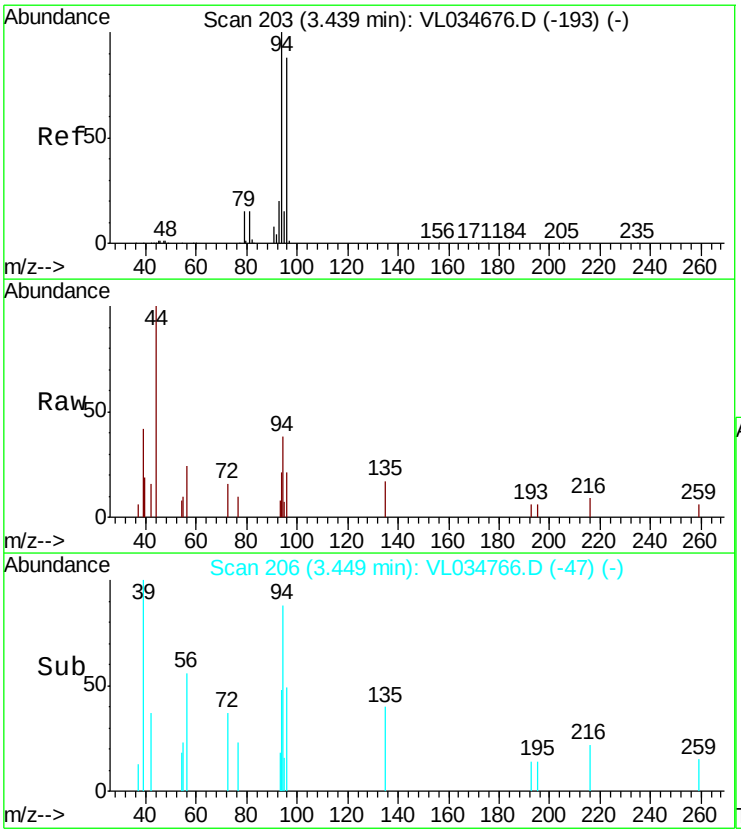
#4
Chloromethane
Concen: 0.555 ppbv
RT: 3.12 min Scan# 103
Delta R.T. 0.01 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 50 Resp: 30854

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.0	37.4



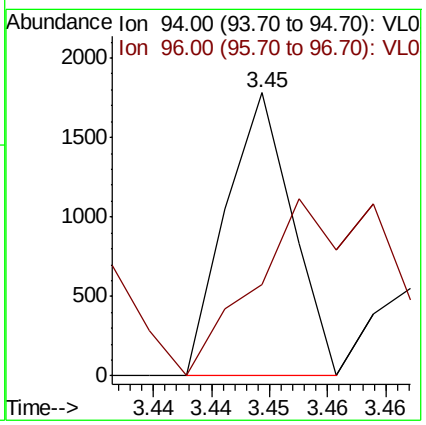
Instrument :
MSVOA_L
ClientSampleId :

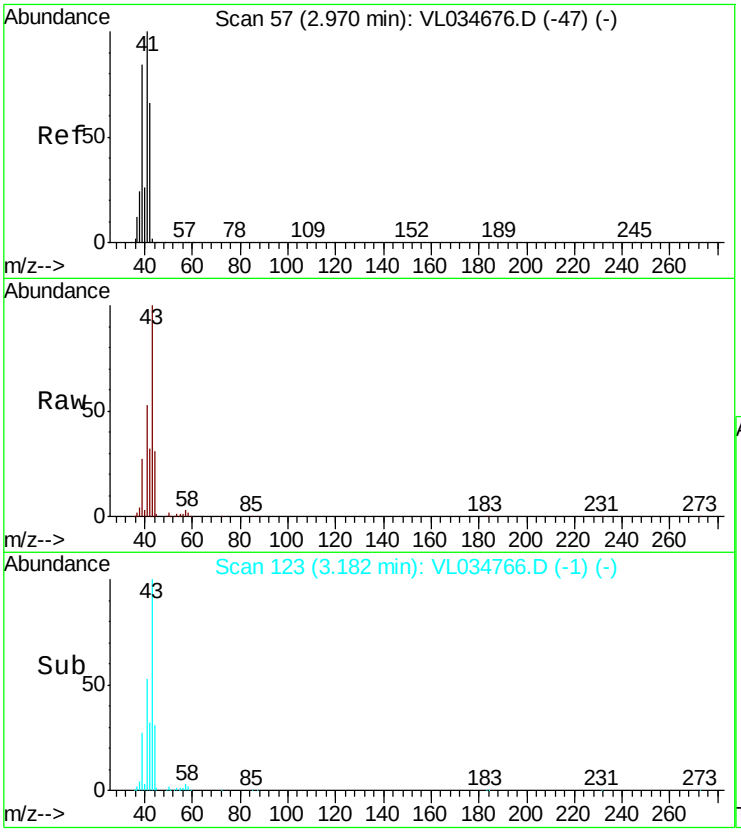


#6
Bromomethane
Concen: 0.022 ppbv
RT: 3.45 min Scan# 206
Delta R.T. 0.01 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 94 Resp: 706

Ion	Ratio	Lower	Upper
94	100		
96	32.1	70.5	105.7#



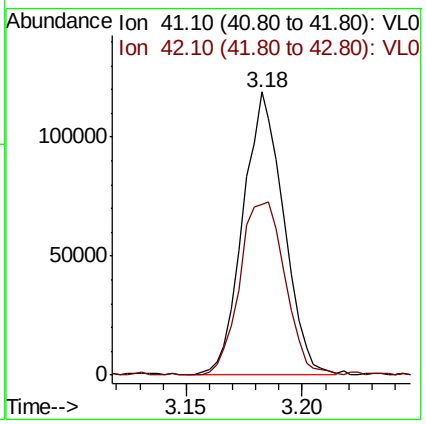


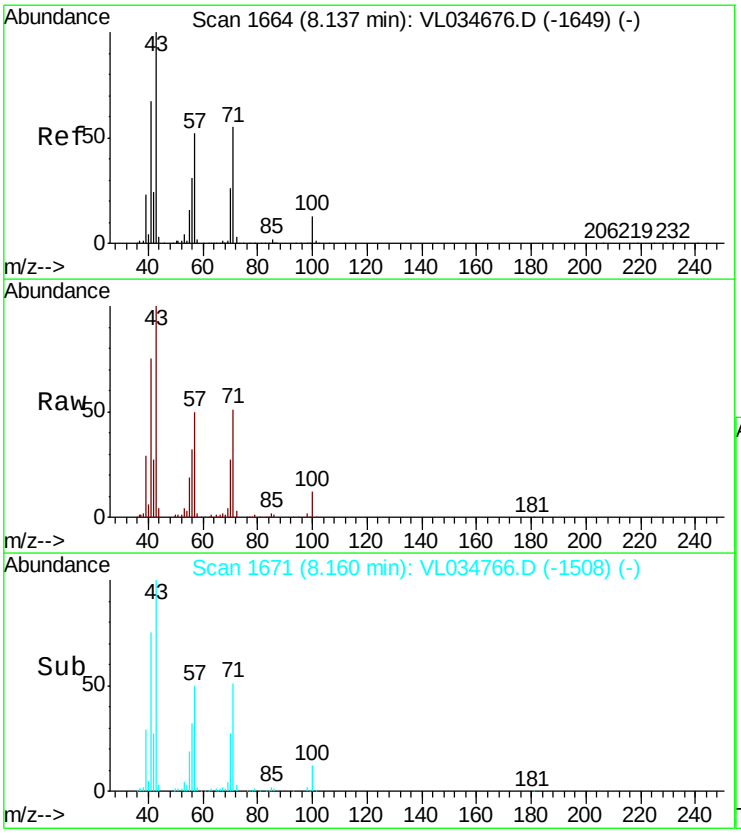
#9
Propene
Concen: 3.469 ppbv
RT: 3.18 min Scan# 123
Delta R.T. 0.21 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 143994

Ion	Ratio	Lower	Upper
41	100		
42	69.7	54.9	82.3

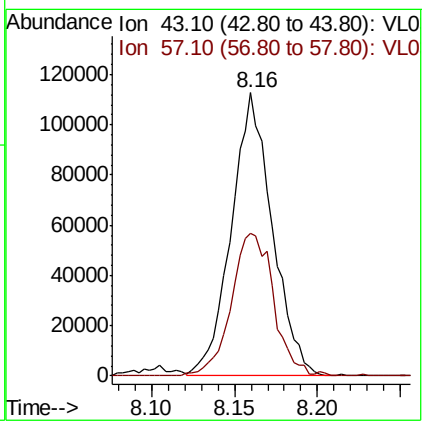


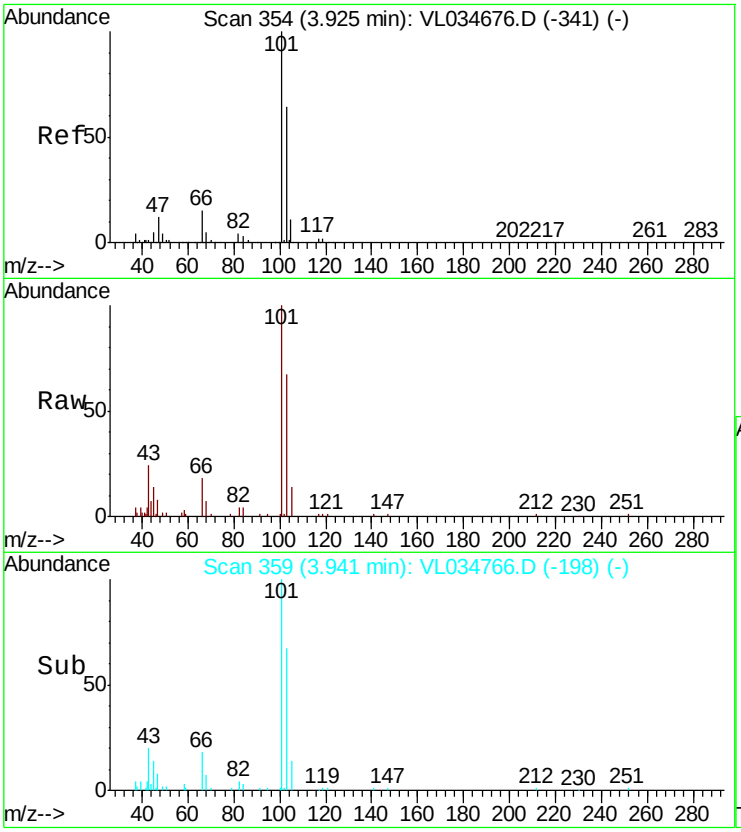


#10
Heptane
Concen: 1.812 ppbv
RT: 8.16 min Scan# 1671
Delta R.T. 0.02 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 43 Resp: 193596

Ion	Ratio	Lower	Upper
43	100		
57	52.0	41.0	61.6



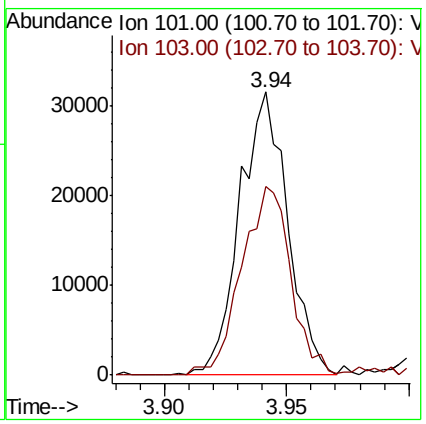


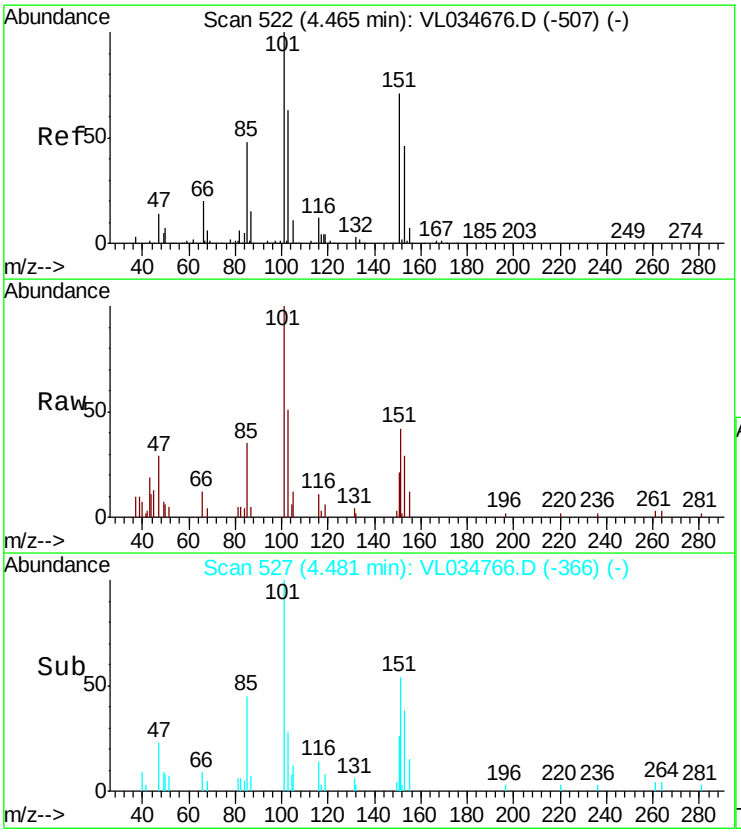
#11
Trichlorofluoromethane
Concen: 0.337 ppbv
RT: 3.94 min Scan# 359
Delta R.T. 0.02 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 42838

Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.2	76.8

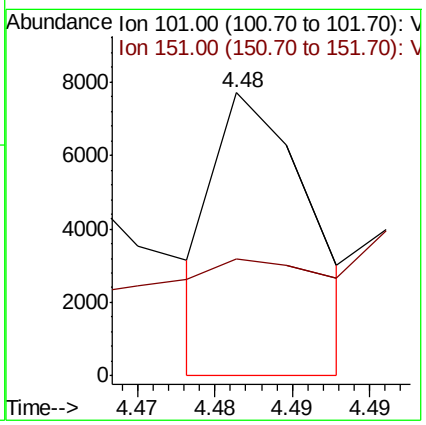


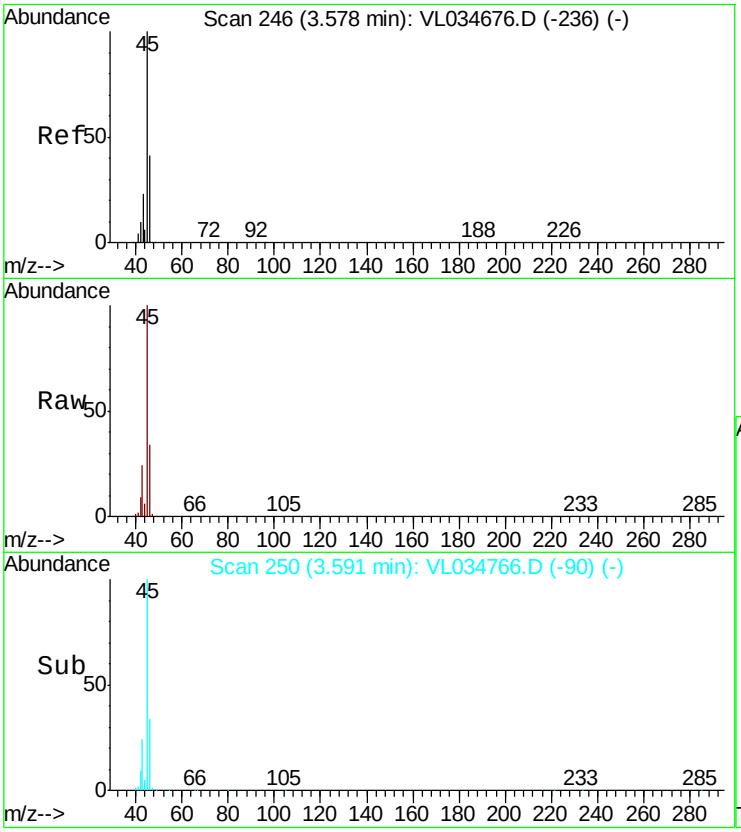


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.037 ppbv
RT: 4.48 min Scan# 527
Delta R.T. 0.02 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion:101 Resp: 3278

Ion	Ratio	Lower	Upper
101	100		
151	0.0	55.8	83.6#



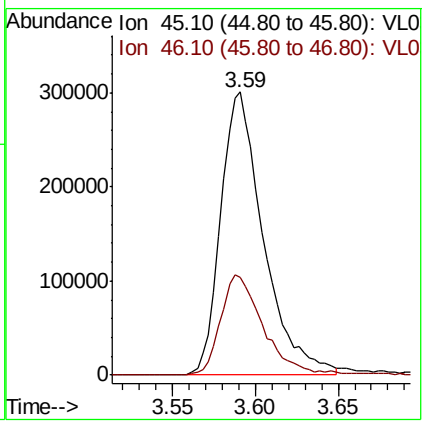


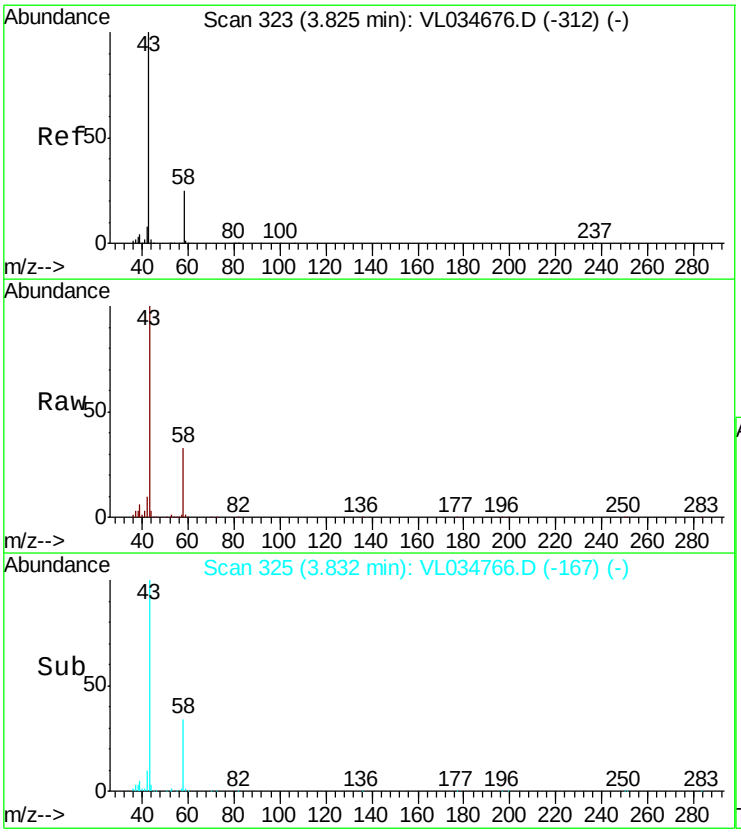
#13
Ethanol
Concen: 41.028 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.01 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 537928

Ion	Ratio	Lower	Upper
45	100		
46	36.2	15.4	61.4

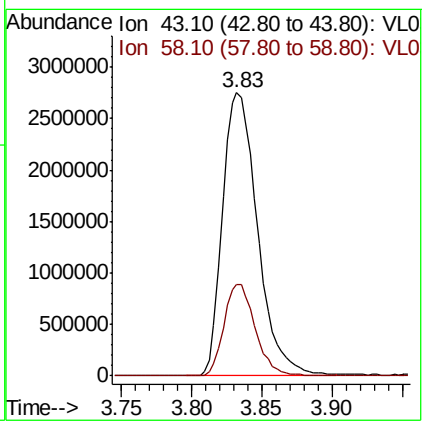


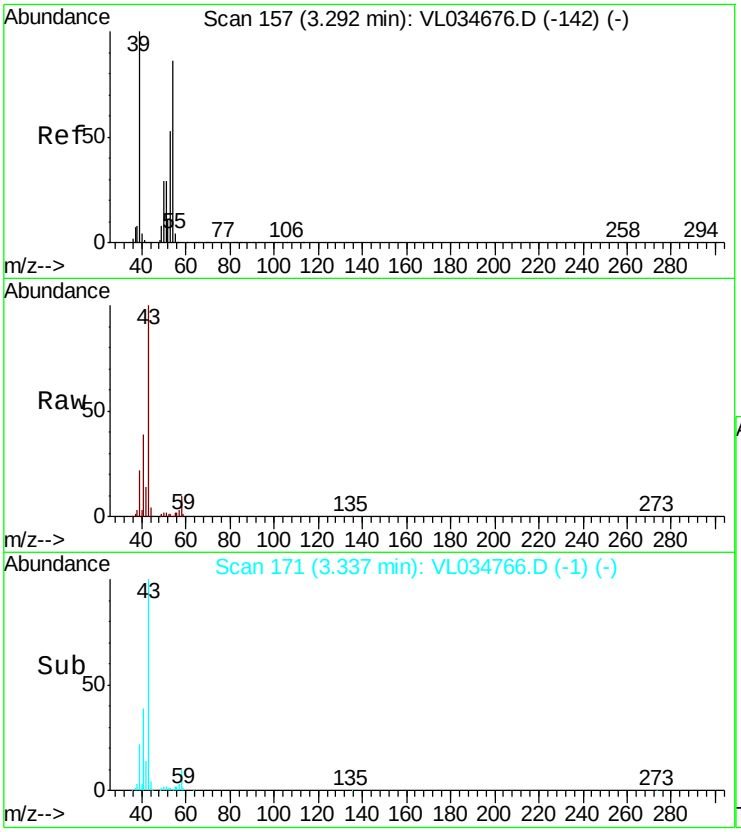


#15
Acetone
Concen: 45.544 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 43 Resp: 4774715

Ion	Ratio	Lower	Upper
43	100		
58	29.1	21.4	32.0



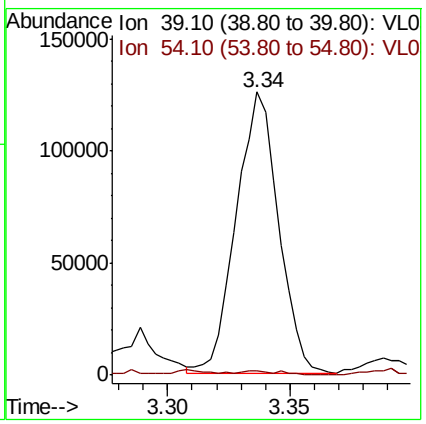


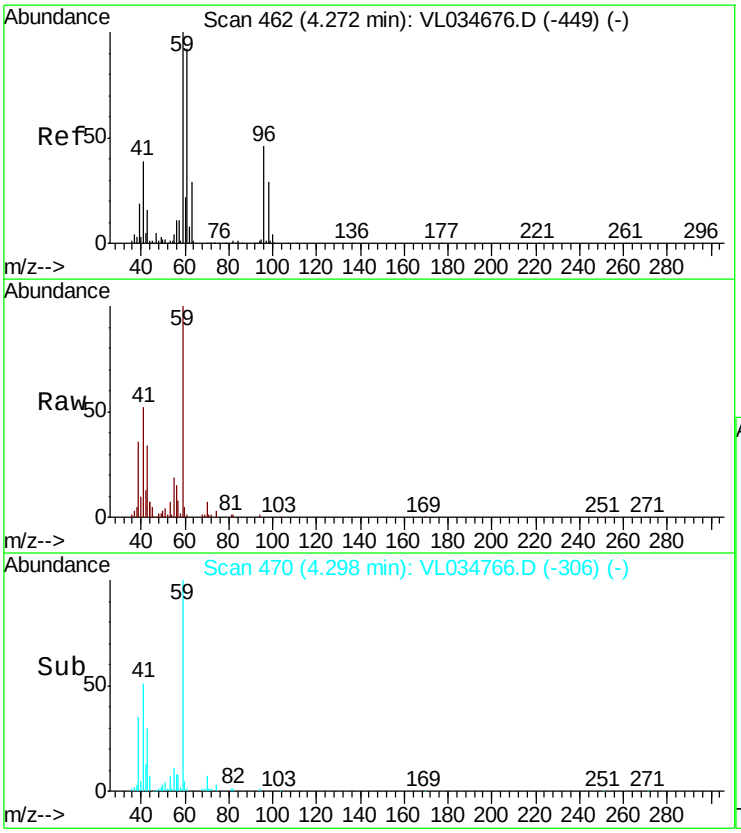
#16
1,3-Butadiene
Concen: 3.087 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.05 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 149822

Ion	Ratio	Lower	Upper
39	100		
54	3.4	67.0	100.6#

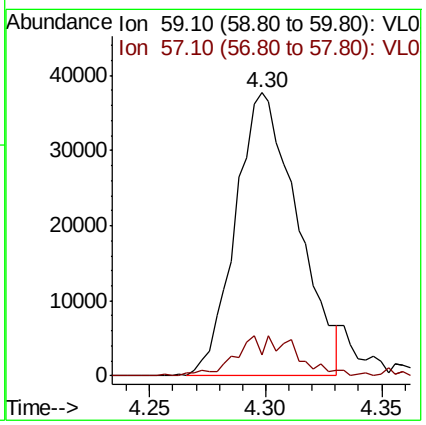


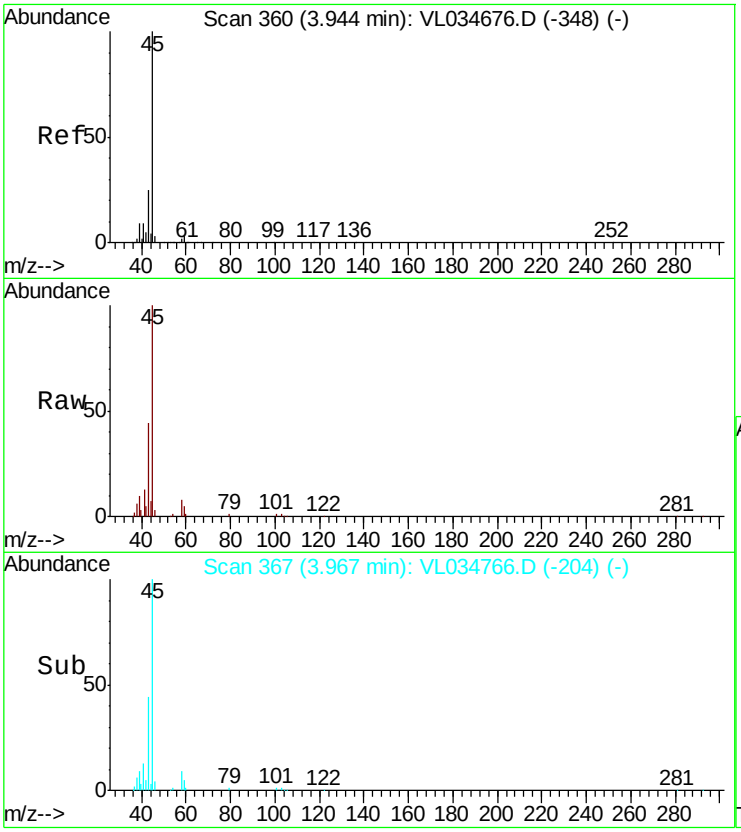


#17
tert-Butyl alcohol
Concen: 0.876 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 59 Resp: 70346

Ion	Ratio	Lower	Upper
59	100		
57	13.5	8.8	13.2#



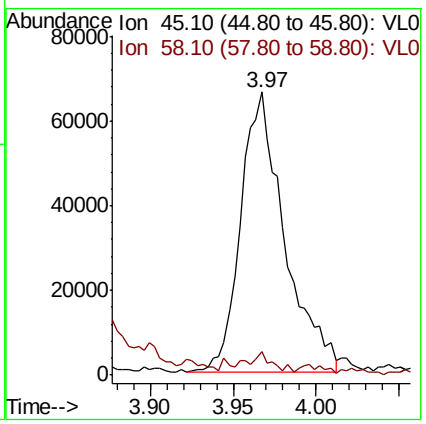


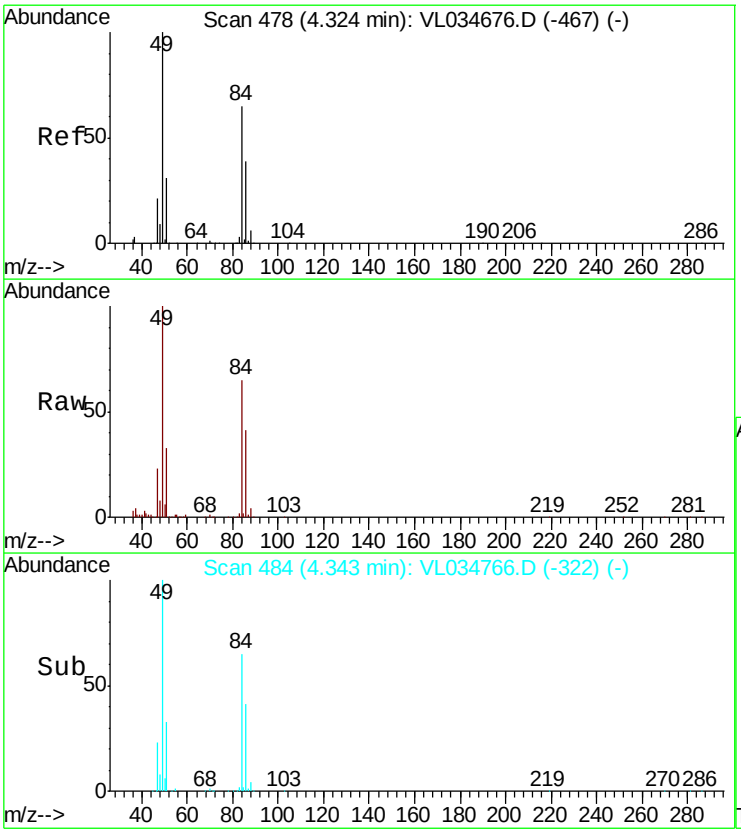
#19
Isopropyl Alcohol
Concen: 1.948 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.02 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 121630

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.6#

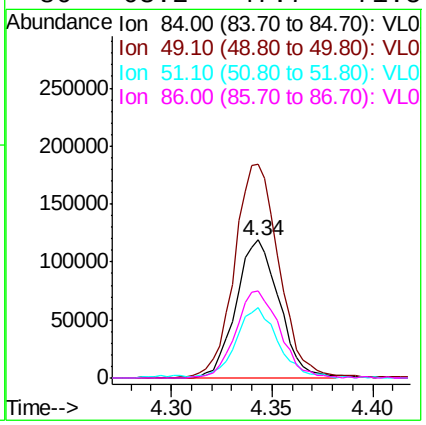


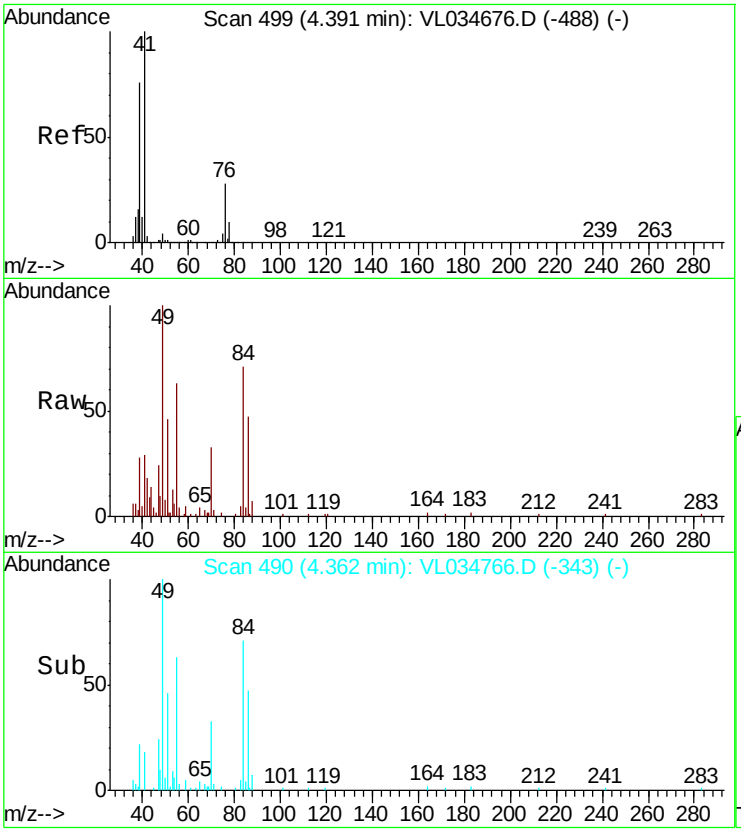


#20
Methylene Chloride
Concen: 4.583 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 84 Resp: 178677

Ion	Ratio	Lower	Upper
84	100		
49	154.1	122.8	184.2
51	50.7	38.6	58.0
86	63.2	47.7	71.5



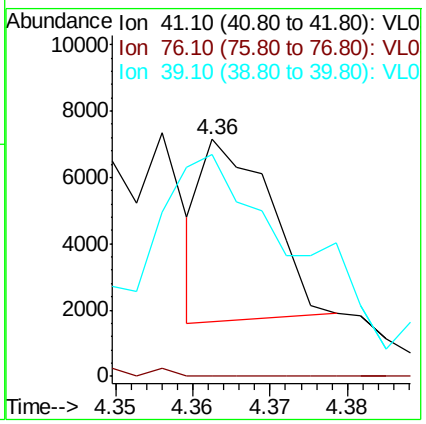


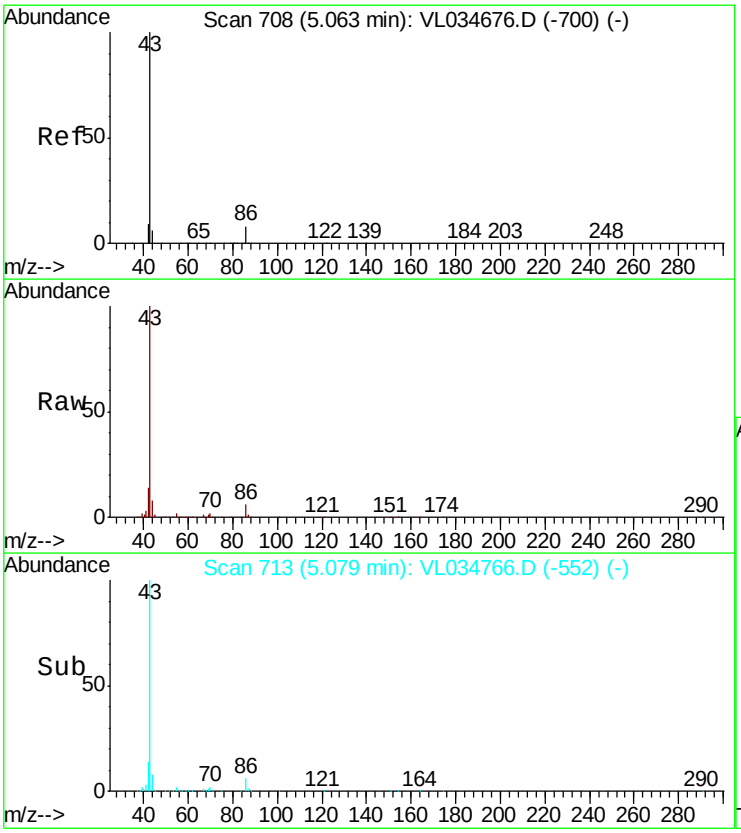
#21
Allyl Chloride
Concen: 0.048 ppbv
RT: 4.36 min Scan# 490
Delta R.T. -0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 3312

Ion	Ratio	Lower	Upper
41	100		
76	2.9	22.8	34.2#
39	398.1	61.7	92.5#

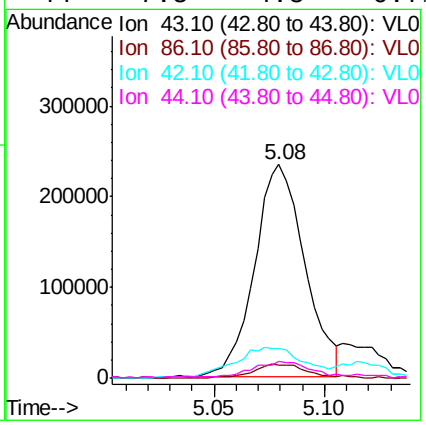


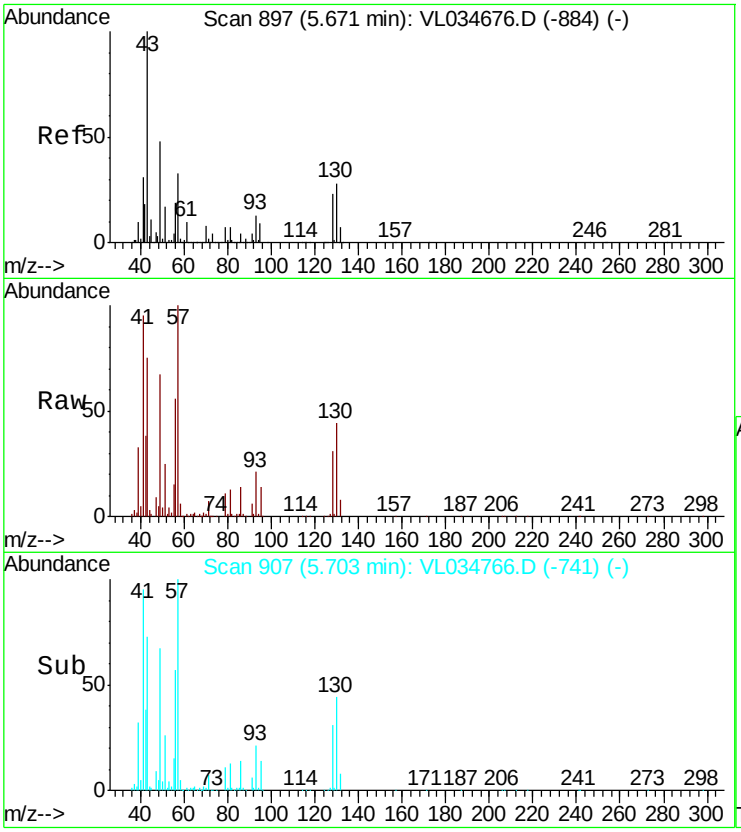


#23
Vinyl Acetate
Concen: 2.581 ppbv
RT: 5.08 min Scan# 713
Delta R.T. 0.02 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 43 Resp: 367842

Ion	Ratio	Lower	Upper
43	100		
86	6.3	6.0	9.0
42	12.8	8.0	12.0#
44	7.5	4.5	6.7#



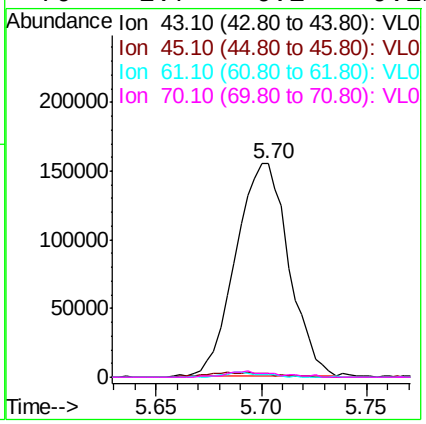


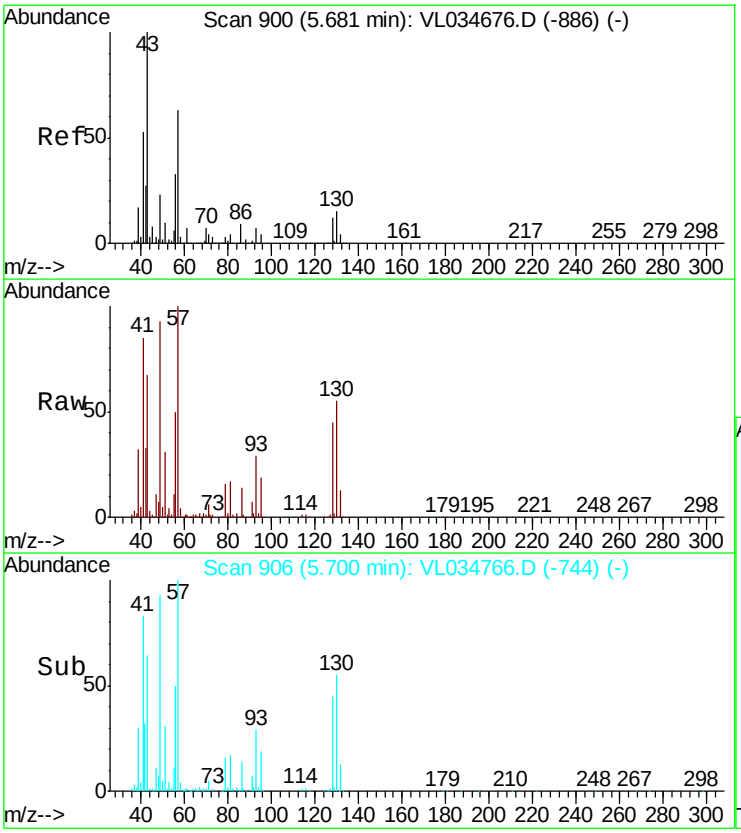
#25
Ethyl Acetate
Concen: 1.441 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 267490

Ion	Ratio	Lower	Upper
43	100		
45	2.9	8.2	12.4#
61	1.9	7.8	11.6#
70	2.7	6.1	9.1#

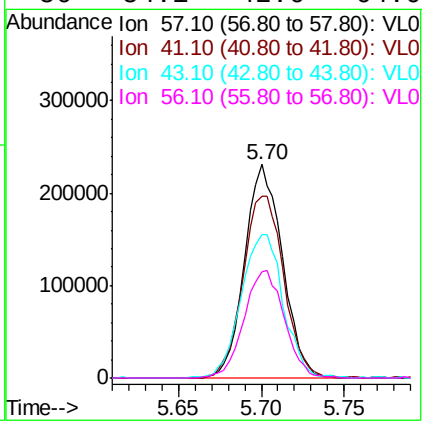


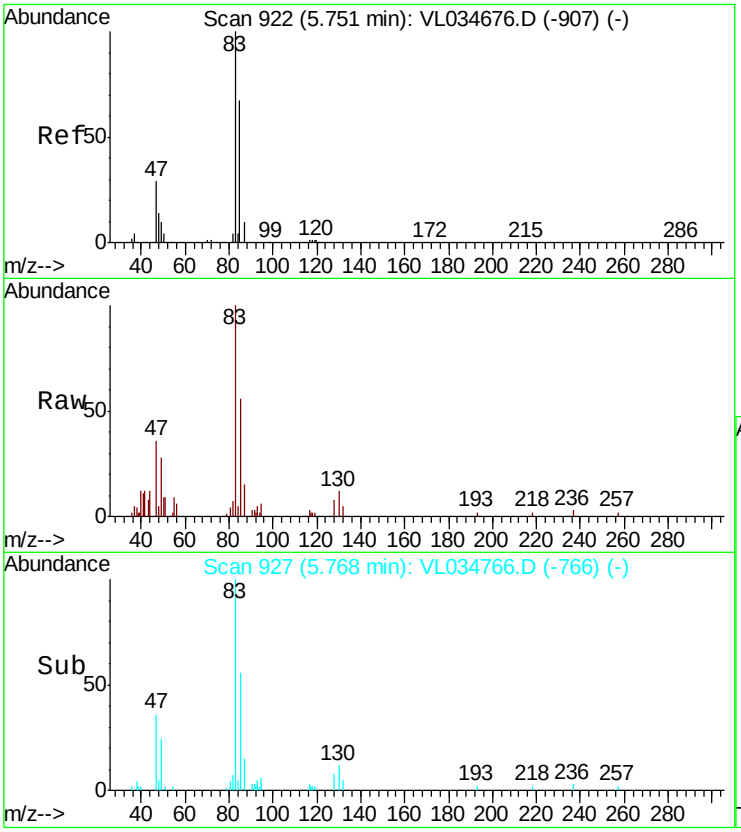


#26
Hexane
Concen: 4.269 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 57 Resp: 365130

Ion	Ratio	Lower	Upper
57	100		
41	92.8	70.3	105.5
43	76.4	177.0	265.4#
56	54.1	42.6	64.0



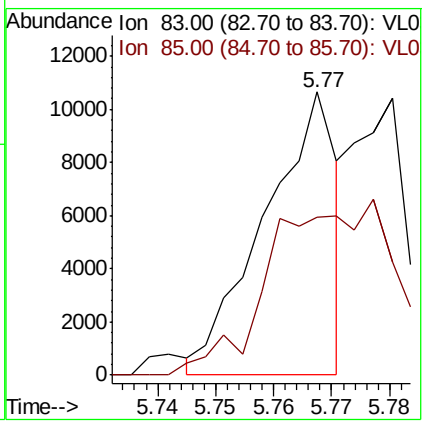


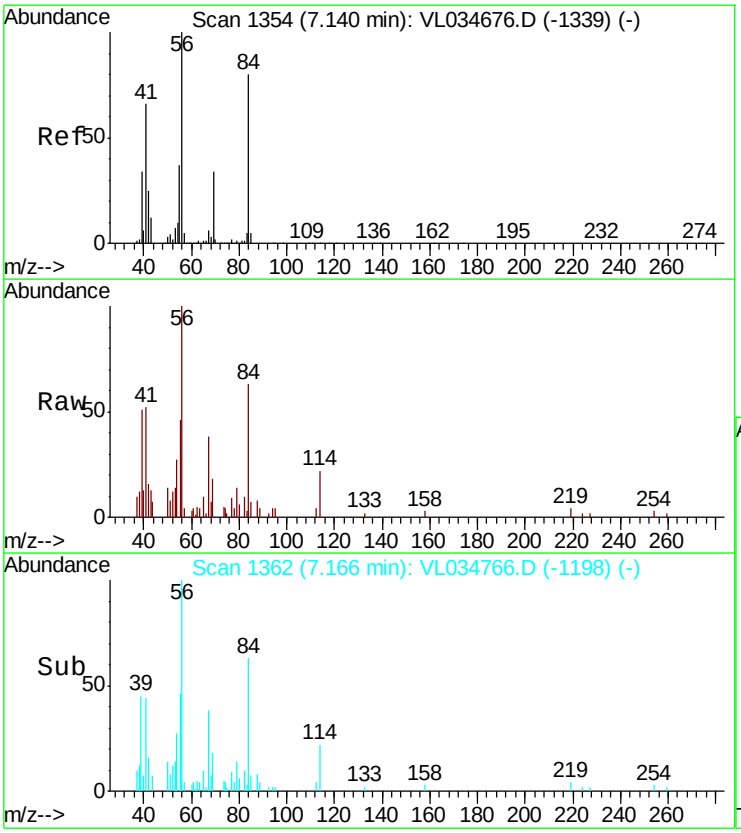
#29
Chloroform
Concen: 0.067 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.02 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 9185

Ion	Ratio	Lower	Upper
83	100		
85	54.7	53.9	80.9

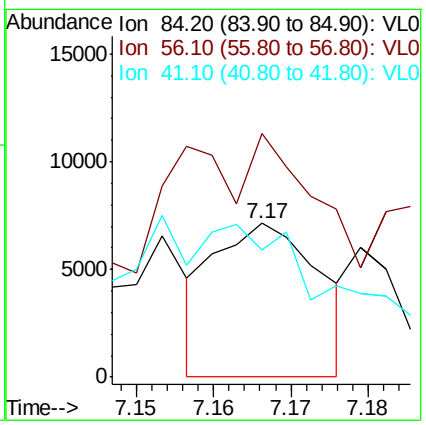


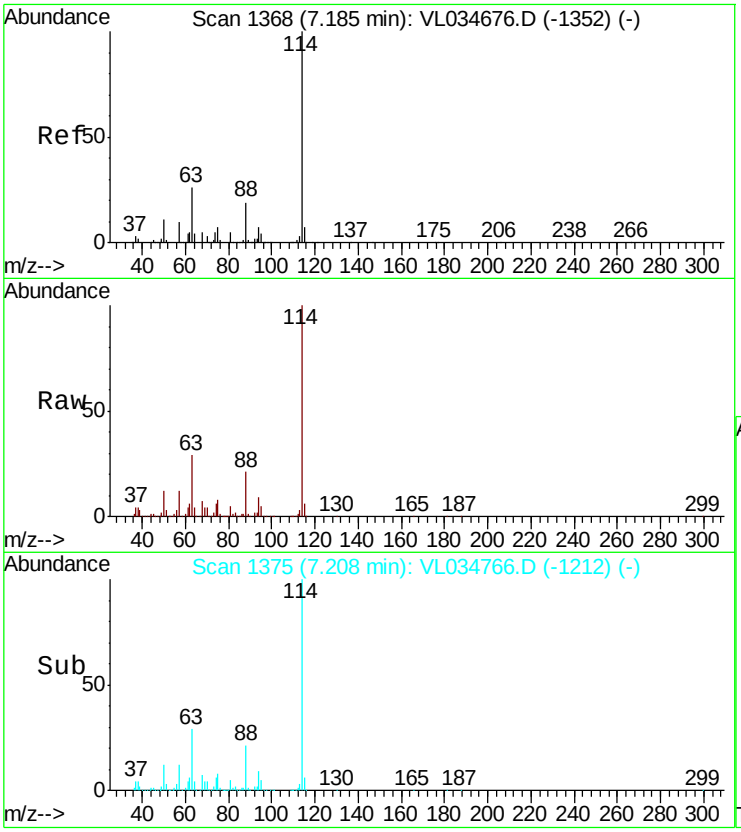


#30
Cyclohexane
Concen: 0.102 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 84 Resp: 6767

Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.4	170.2#
41	0.0	68.2	102.4#



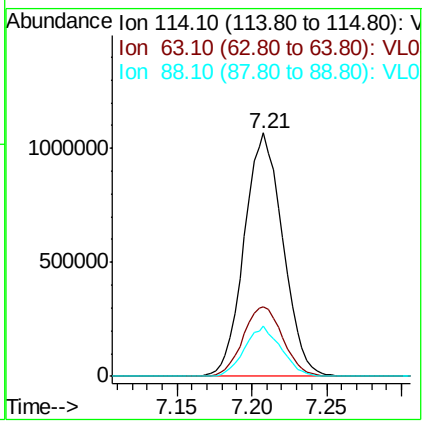


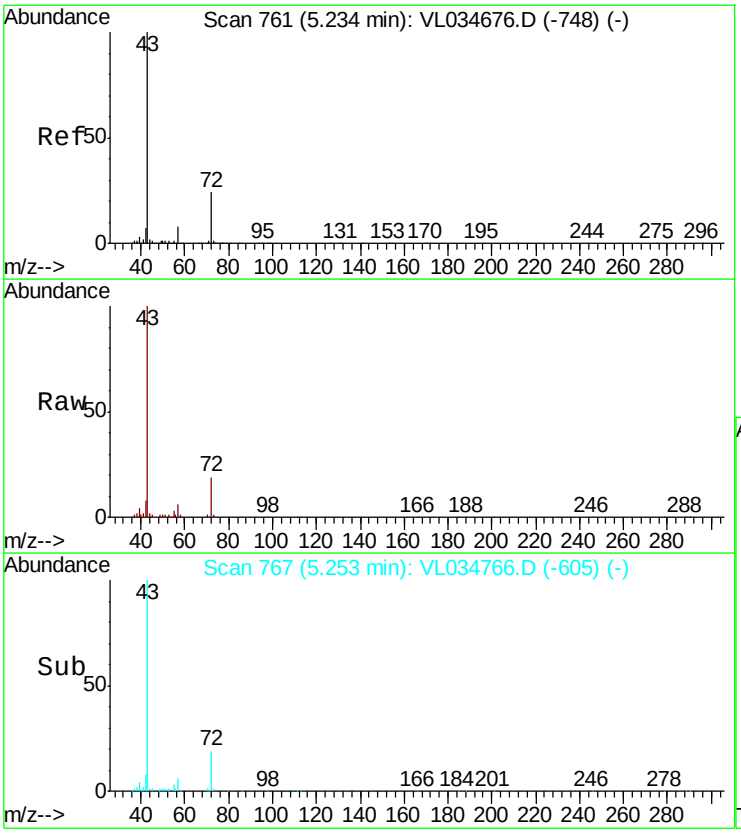
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. 0.02 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 1922112

Ion	Ratio	Lower	Upper
114	100		
63	29.4	22.9	34.3
88	19.6	15.8	23.6

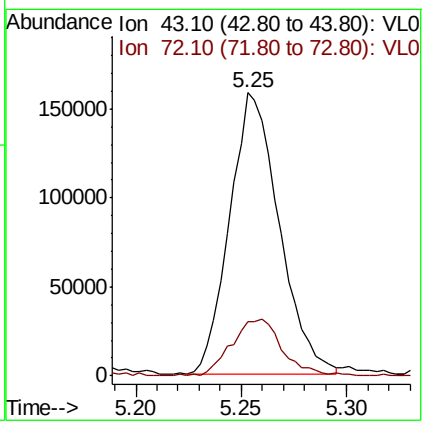


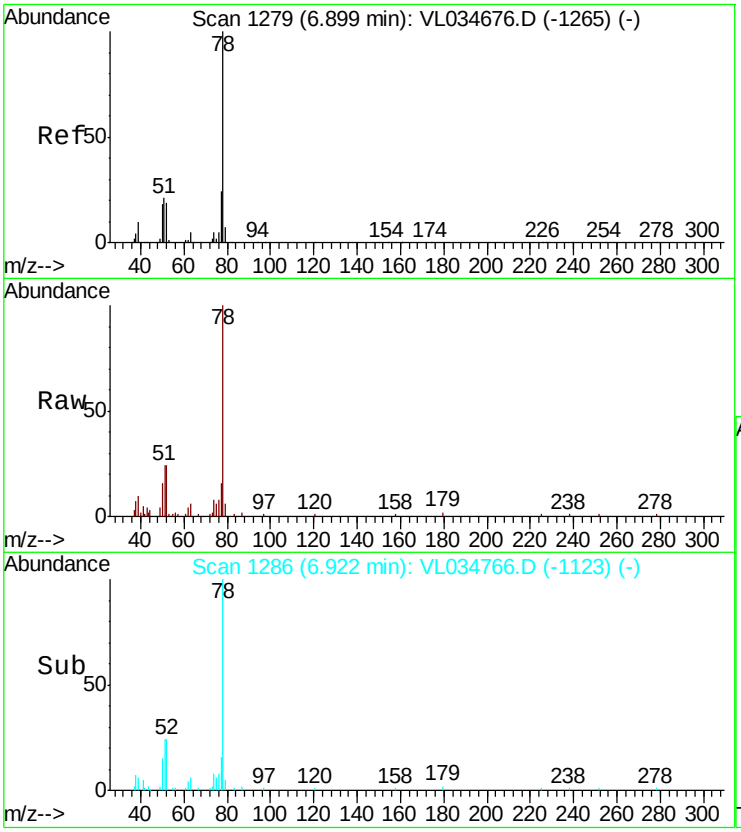


#34
2-Butanone
Concen: 2.126 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.02 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 43 Resp: 257231

Ion	Ratio	Lower	Upper
43	100		
72	21.0	18.2	27.2



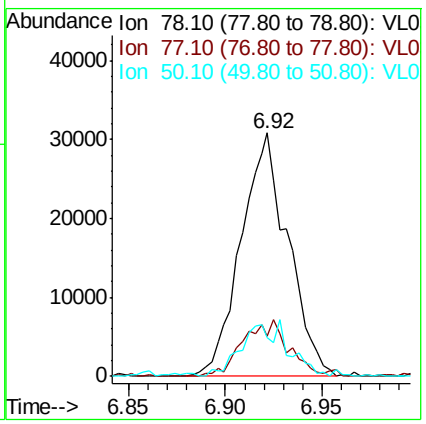


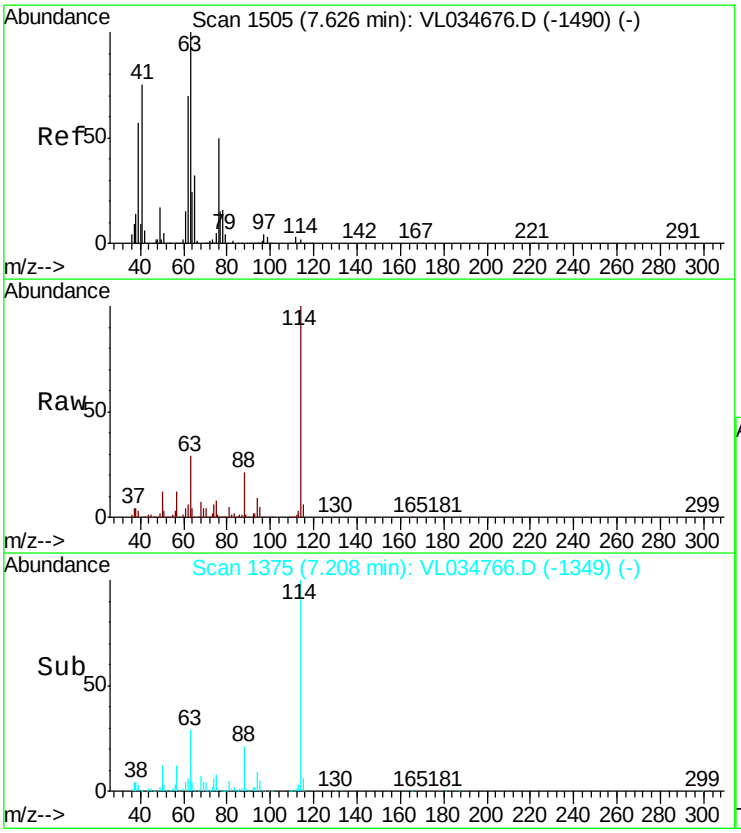
#36
Benzene
Concen: 0.314 ppbv
RT: 6.92 min Scan# 1286
Delta R.T. 0.02 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 52097

Ion	Ratio	Lower	Upper
78	100		
77	16.3	19.5	29.3#
50	14.7	14.6	21.8

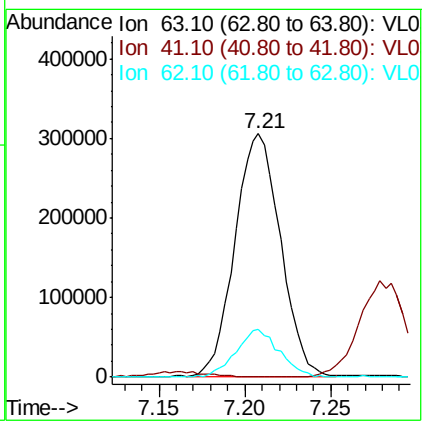


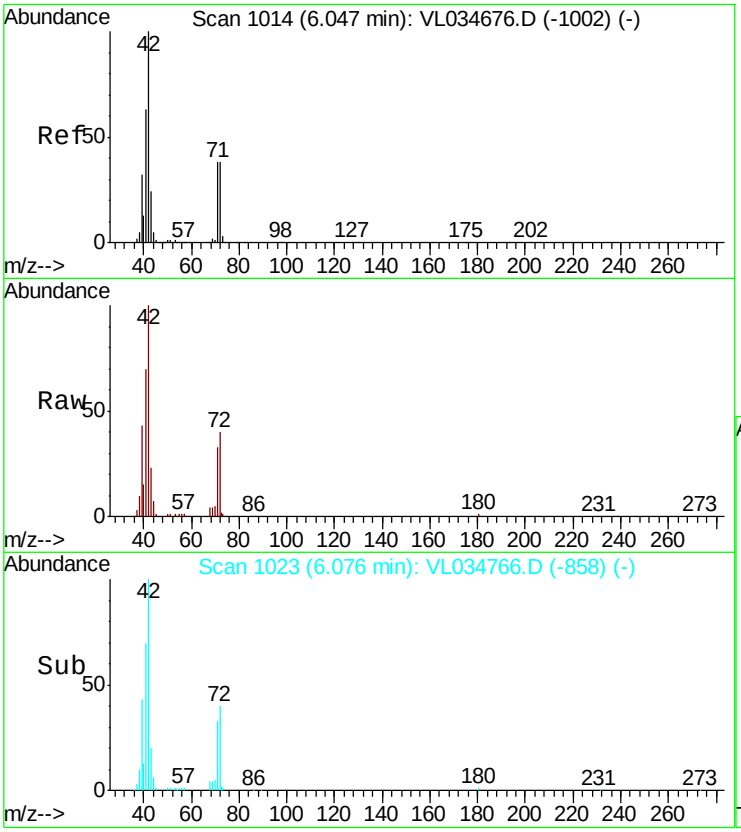


#39
1,2-Dichloropropane
Concen: 8.500 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. -0.42 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 63 Resp: 561389

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.2	90.4#
62	19.6	56.3	84.5#



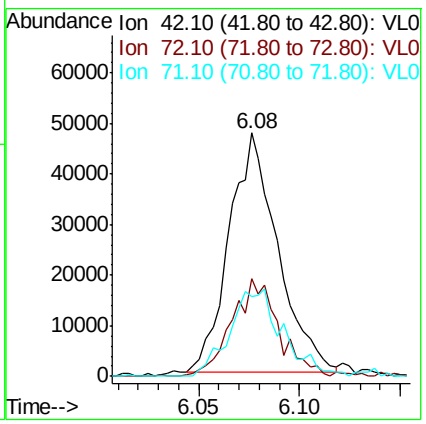


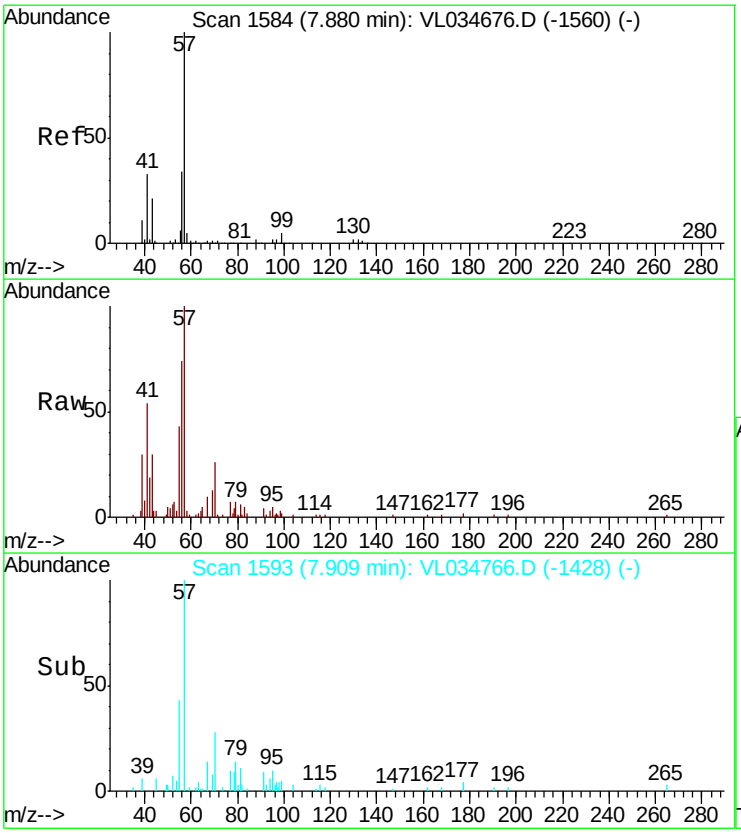
#41
Tetrahydrofuran
Concen: 1.253 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 80031

Ion	Ratio	Lower	Upper
42	100		
72	40.0	31.7	47.5
71	40.2	30.7	46.1

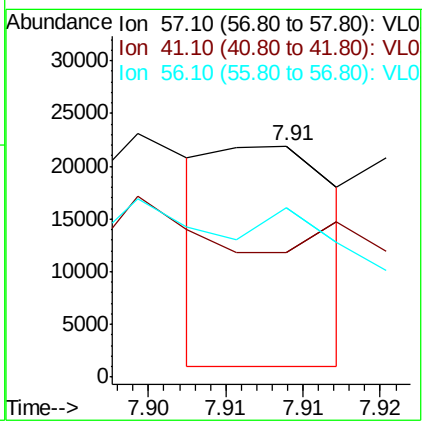


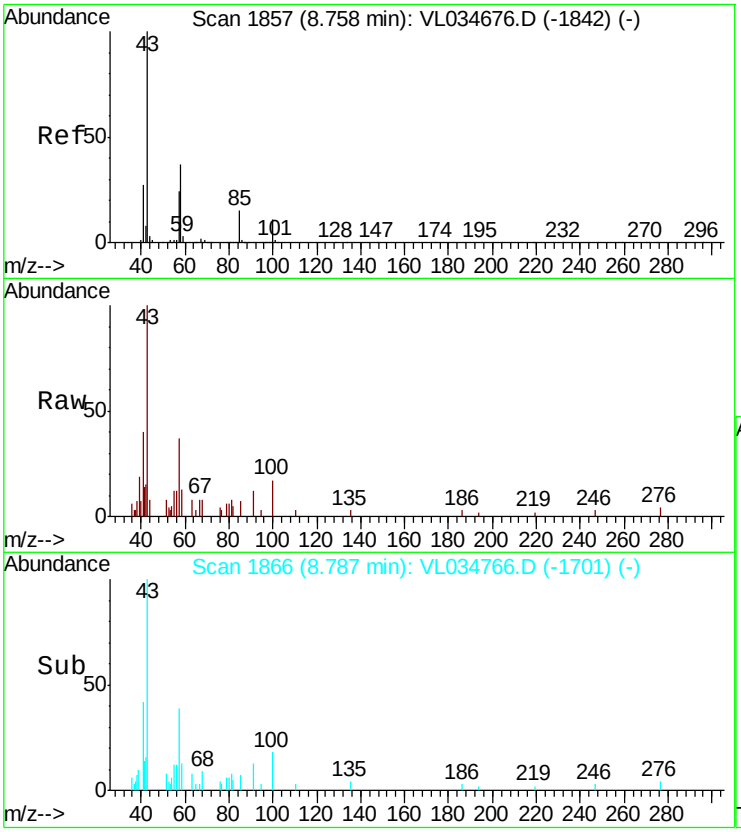


#44
2,2,4-Trimethylpentane
Concen: 0.039 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 57 Resp: 11332

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.0	39.0#
56	0.0	25.6	38.4#



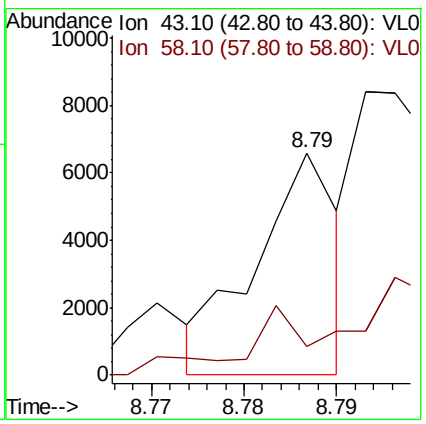


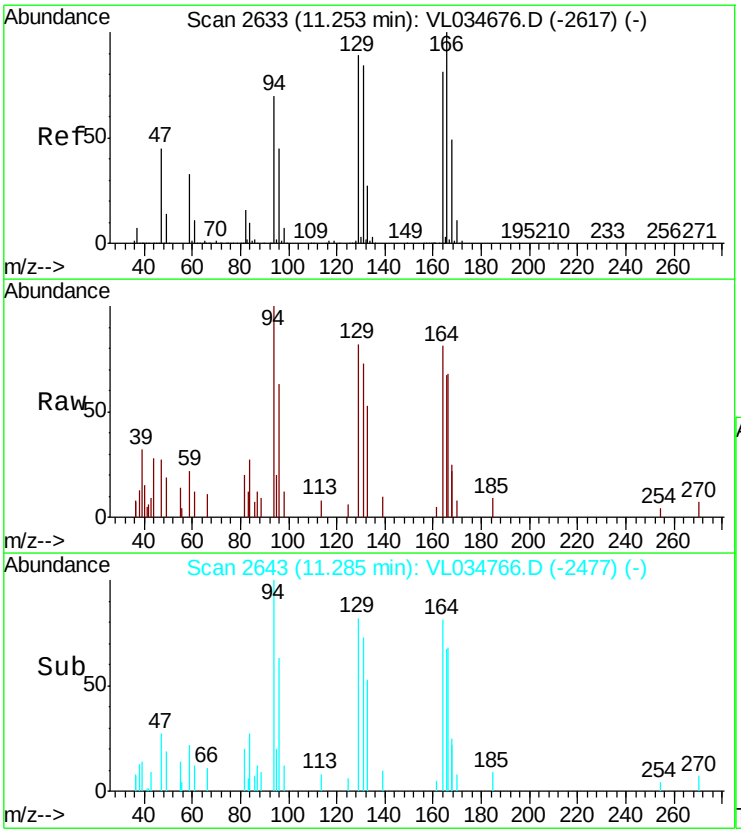
#50
4-Methyl-2-Pentanone
Concen: 0.024 ppbv
RT: 8.79 min Scan# 1866
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 4050

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.0	43.6#

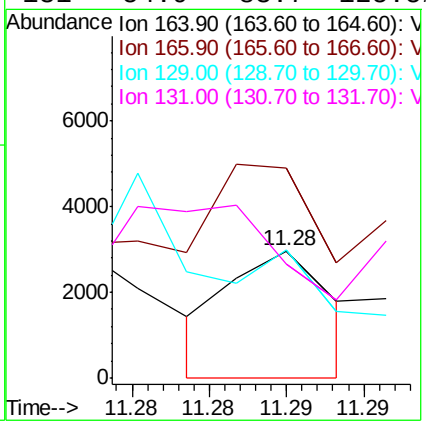


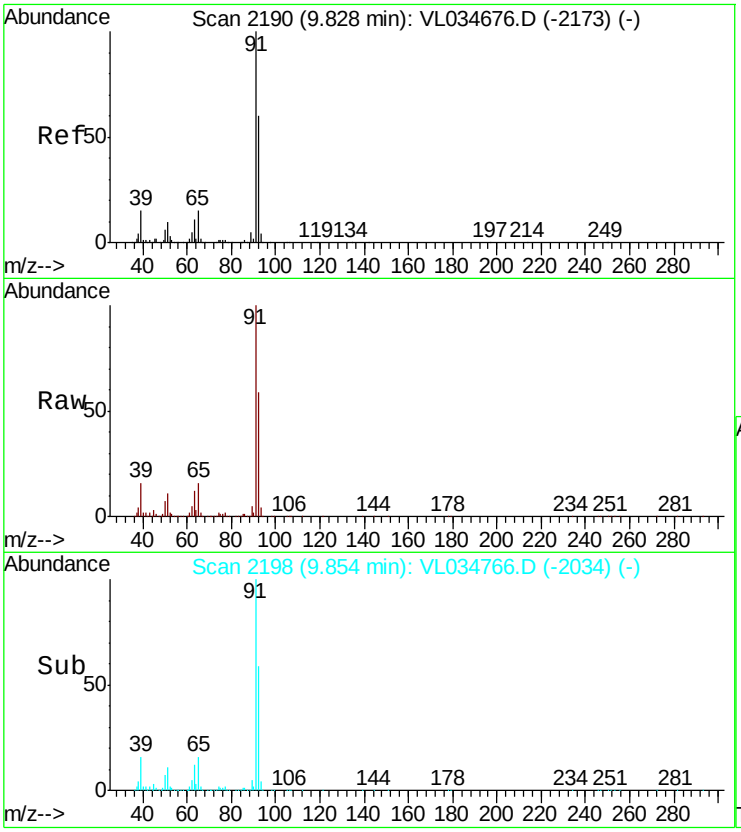


#52
Tetrachloroethene
Concen: 0.022 ppbv
RT: 11.28 min Scan# 2643
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion:164 Resp: 1364

Ion	Ratio	Lower	Upper
164	100		
166	142.8	99.2	148.8
129	93.6	88.0	132.0
131	54.9	83.7	125.5#



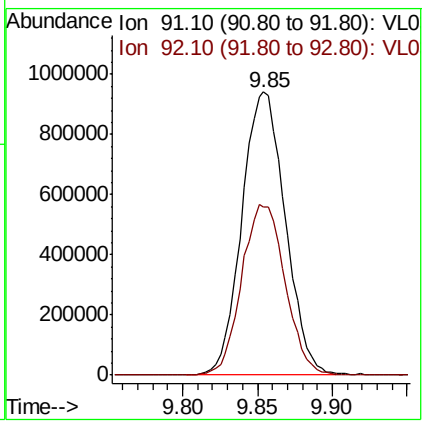


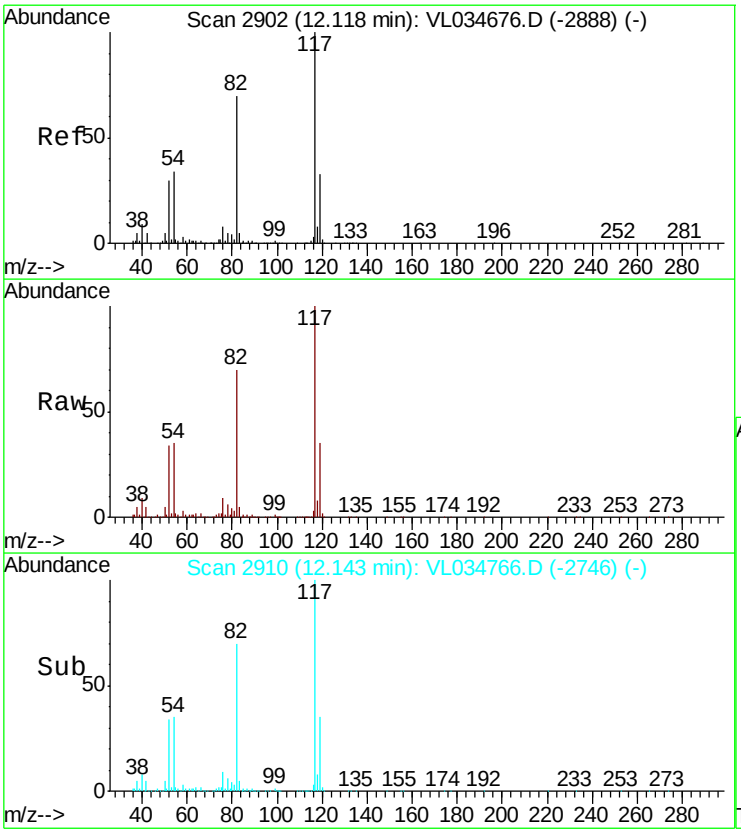
#53
Toluene
Concen: 10.735 ppbv
RT: 9.85 min Scan# 2198
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 1895420

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.5	72.7

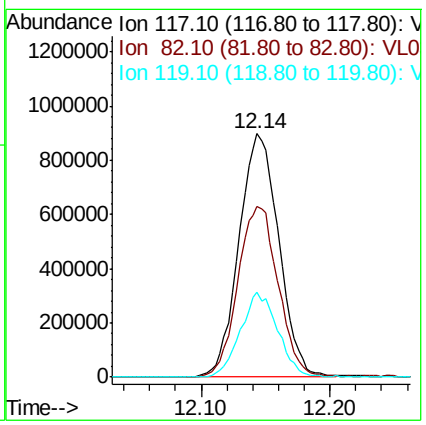


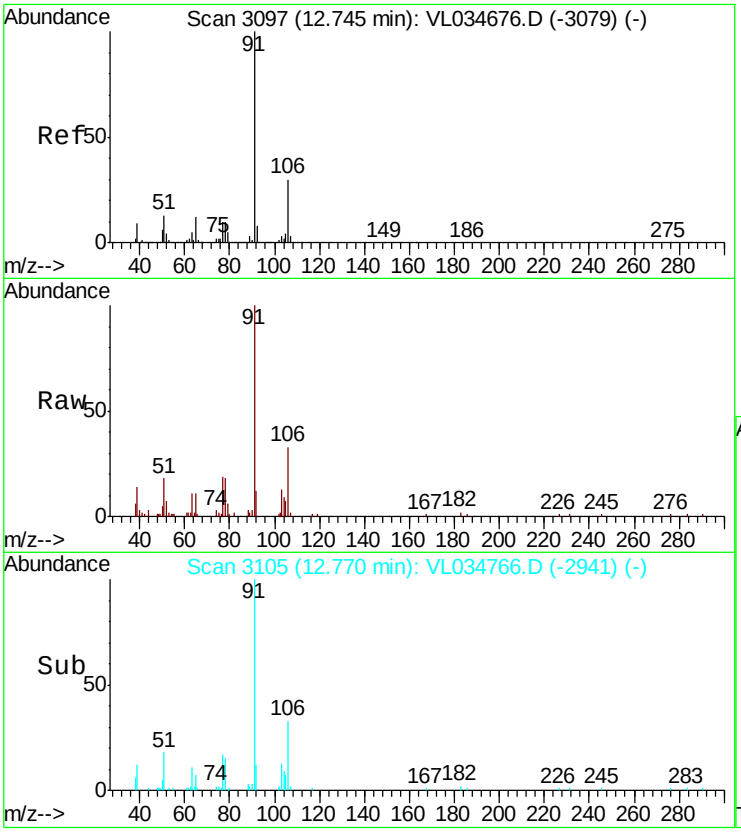


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion:117 Resp: 1932930

Ion	Ratio	Lower	Upper
117	100		
82	71.6	54.1	81.1
119	32.9	27.6	41.4



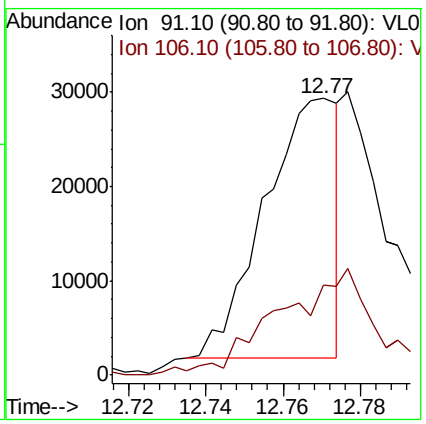


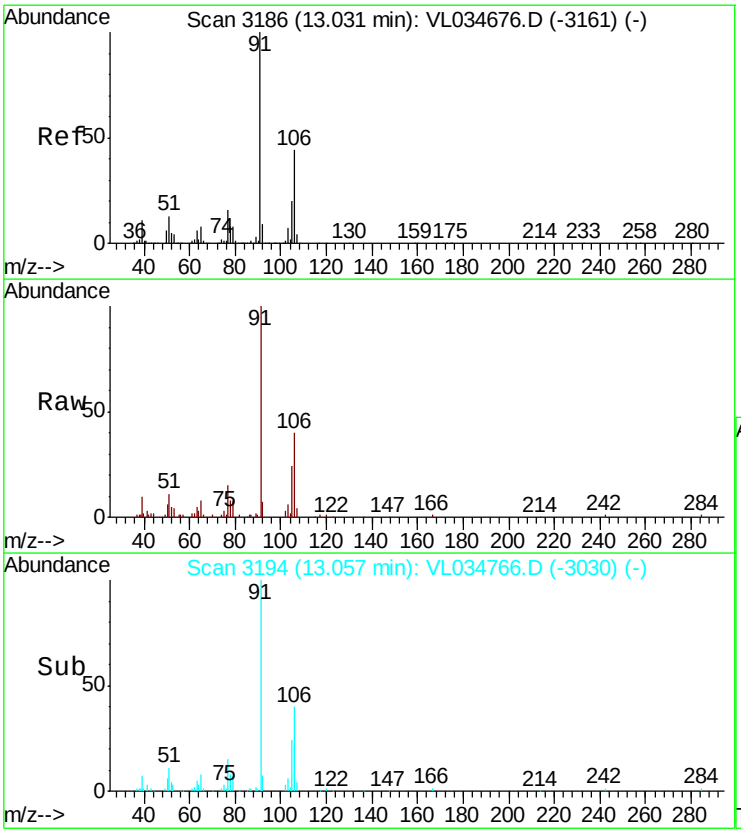
#58
Ethyl Benzene
Concen: 0.155 ppbv
RT: 12.77 min Scan# 3105
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 36192

Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.0	36.0

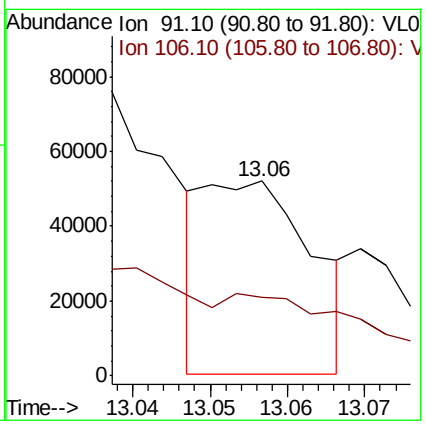


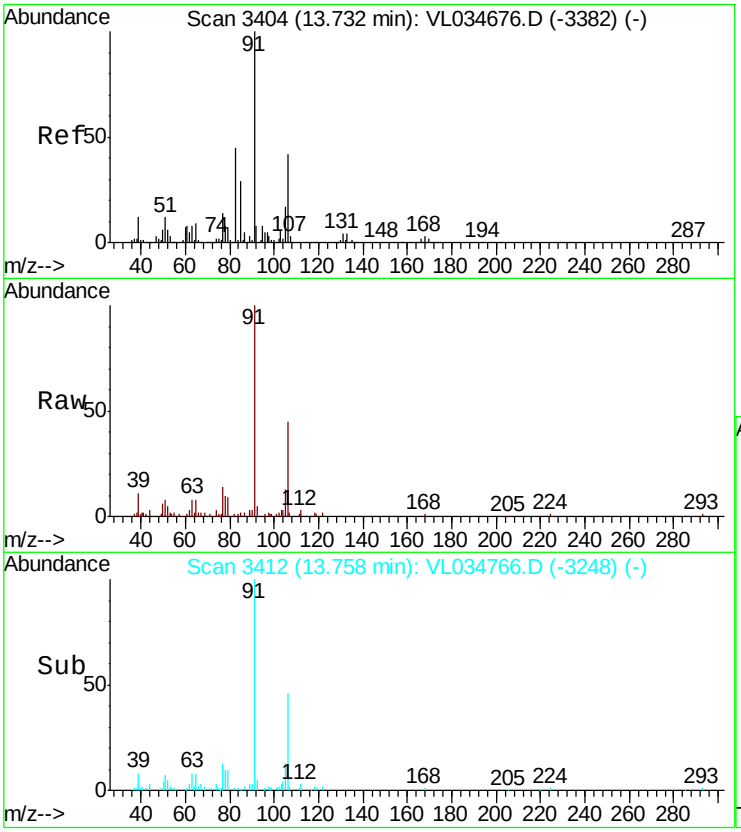


#59
m/p-Xylene
Concen: 0.243 ppbv
RT: 13.06 min Scan# 3194
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 91 Resp: 49531

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#



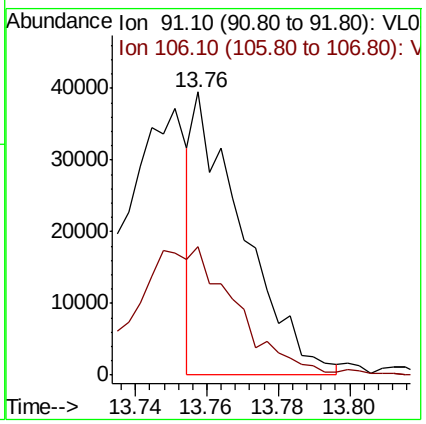


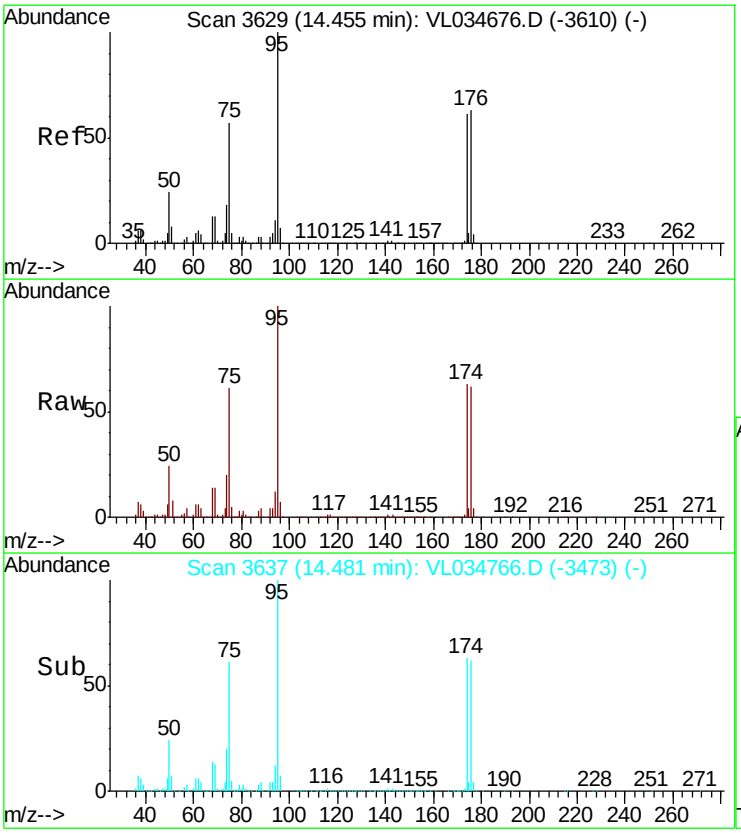
#60
o-Xylene
Concen: 0.186 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 37645

Ion	Ratio	Lower	Upper
91	100		
106	95.4	21.9	65.5#

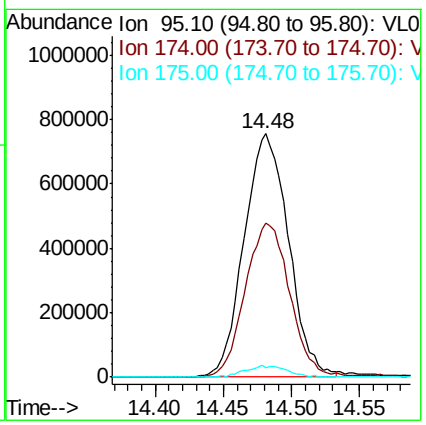


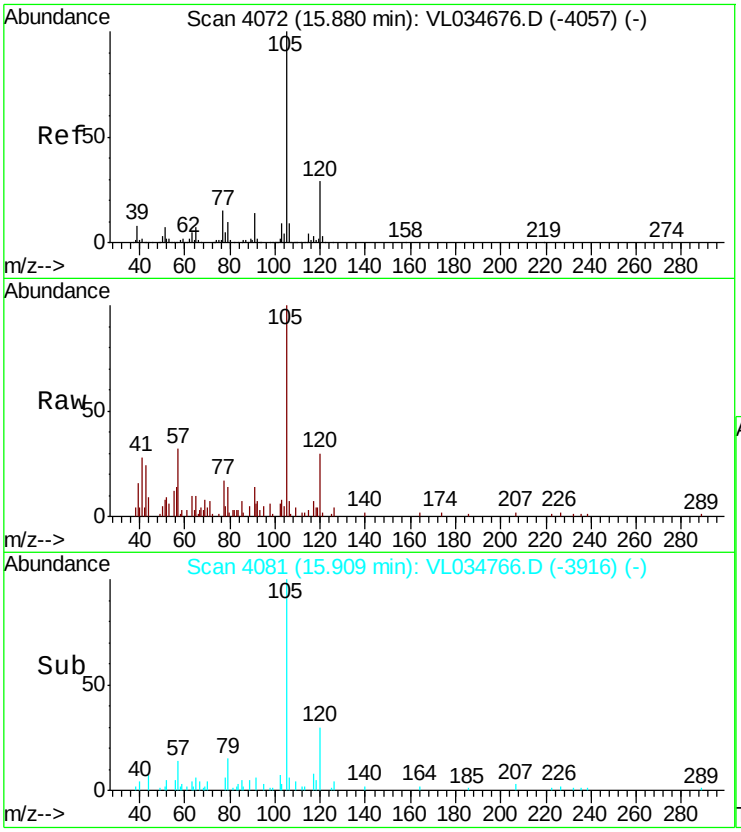


#68
1-Bromo-4-Fluorobenzene
Concen: 10.766 ppbv
RT: 14.48 min Scan# 3637
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion: 95 Resp: 1706291

Ion	Ratio	Lower	Upper
95	100		
174	64.8	50.7	76.1
175	4.5	3.9	5.9



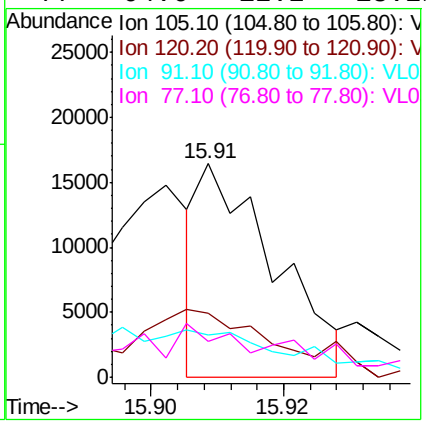


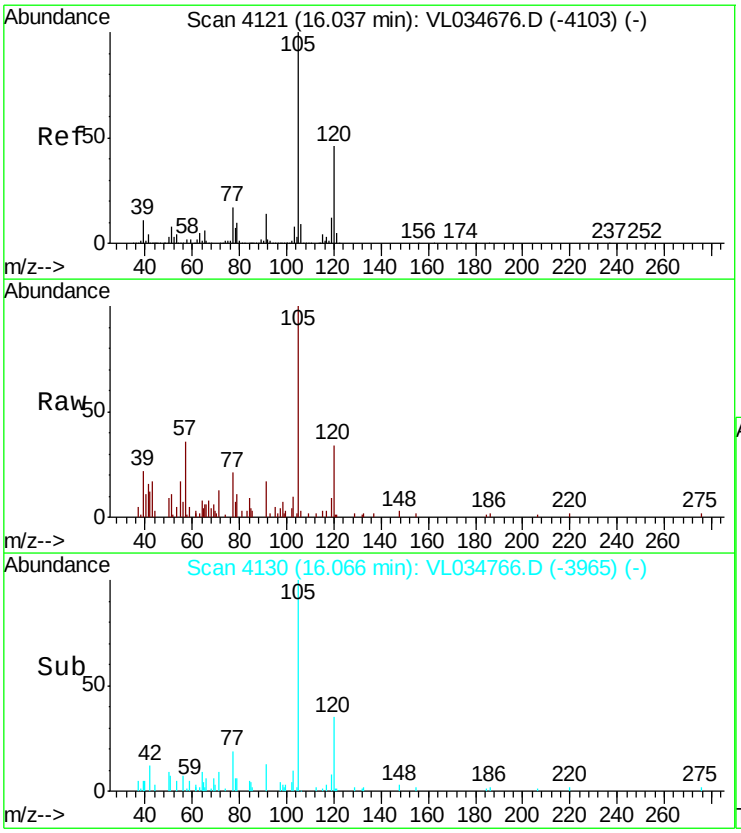
#72
4-Ethyltoluene
Concen: 0.058 ppbv
RT: 15.91 min Scan# 4081
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 13032

Ion	Ratio	Lower	Upper
105	100		
120	72.5	23.7	35.5#
91	0.0	10.9	16.3#
77	64.6	12.2	18.2#

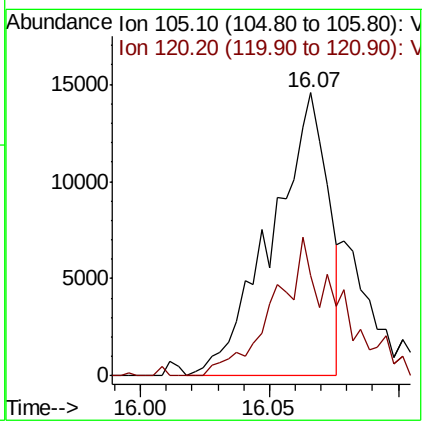


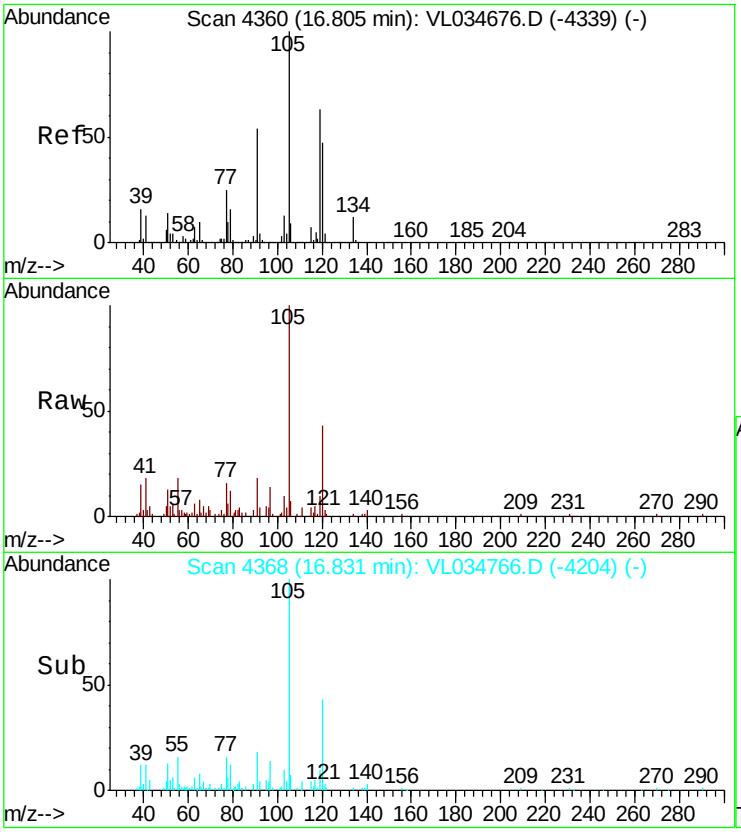


#73
1,3,5-Trimethylbenzene
Concen: 0.102 ppbv
RT: 16.07 min Scan# 4130
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion:105 Resp: 22095

Ion	Ratio	Lower	Upper
105	100		
120	35.5	37.1	55.7#



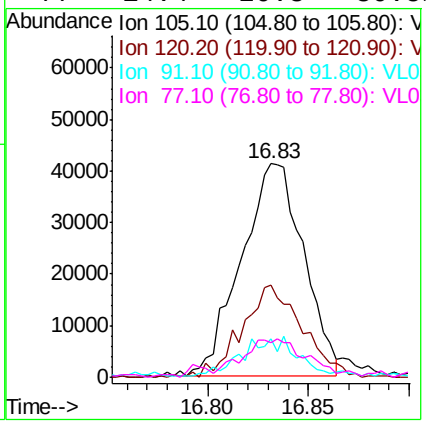


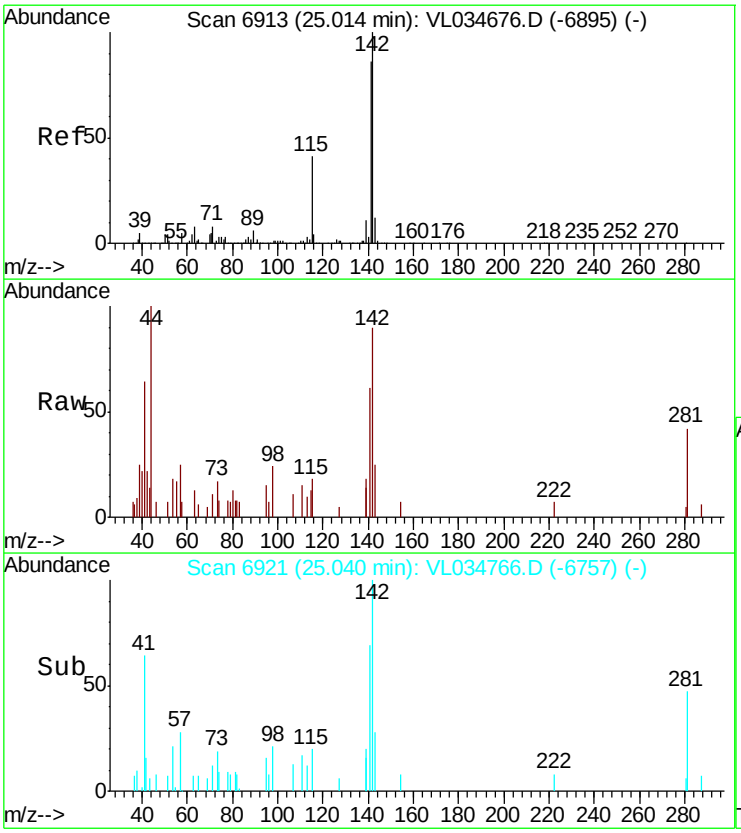
#74
1,2,4-Trimethylbenzene
Concen: 0.370 ppbv
RT: 16.83 min Scan# 4368
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 88616

Ion	Ratio	Lower	Upper
105	100		
120	42.9	37.9	56.9
91	17.0	43.9	65.9#
77	14.4	20.3	30.5#





#80
Naphthalene,2-methyl-
Concen: 0.084 ppbv
RT: 25.04 min Scan# 6921
Delta R.T. 0.03 min
Lab File: VL034766.D
Acq: 3 Mar 2020 16:29

Tgt Ion:142 Resp: 5444

Ion	Ratio	Lower	Upper
142	100		
141	78.6	66.5	99.7
115	48.4	30.6	46.0#