Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL073019\
Data File : VL034065.D
Acq On : 30 Jul 2019 14:50
Operator : SY/AP
Sample : K4033-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 31 02:13:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 30 06:55:18 2019
QLast Update : Tue Jul 30 06:55:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.71	49	1346461	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.24	114	4812806	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.18	117	3624399	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.52	95	2839241	9.91	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.10%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.99	51	29389	0.189	ppbv		99
9) Propene	3.21	41	33720	0.604	ppbv		95
10) Heptane	8.19	43	17397	0.114	ppbv	#	23
13) Ethanol	3.63	45	56693	2.553	ppbv	#	36
15) Acetone	3.88	43	220667	1.078	ppbv	#	83
16) 1,3-Butadiene	3.32	39	12455	0.157	ppbv	#	6
20) Methylene Chloride	4.37	84	25869	0.330	ppbv		91
21) Allyl Chloride	4.40	41	4638	0.036	ppbv	#	18
23) Vinyl Acetate	5.10	43	7291	0.033	ppbv	#	1
25) Ethyl Acetate	5.73	43	56718	0.186	ppbv	#	78
26) Hexane	5.73	57	81164	0.590	ppbv	#	39
27) Carbon Disulfide	4.58	76	19111	0.089	ppbv	#	76
29) Chloroform	5.80	83	11706	0.047	ppbv		96
30) Cyclohexane	7.19	84	15594	0.111	ppbv	#	1
36) Benzene	6.96	78	39777	0.124	ppbv		97
39) 1,2-Dichloropropane	7.24	63	1188417	9.141	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.94	57	53124	0.100	ppbv	#	77
53) Toluene	9.89	91	1912096	5.720	ppbv		100
58) Ethyl Benzene	12.80	91	447490	1.043	ppbv		95
59) m/p-Xylene	13.09	91	301673	0.774	ppbv	#	32
60) o-Xylene	13.79	91	338832	0.874	ppbv	#	56
61) Styrene	13.64	104	11524	0.045	ppbv	#	1
62) Isopropylbenzene	14.78	105	120341	0.232	ppbv		100
64) n-propylbenzene	15.66	120	21991	0.164	ppbv	#	1
65) tert-Butylbenzene	16.87	119	94704	0.198	ppbv	#	67
70) n-Butylbenzene	18.66	91	23633	0.040	ppbv	#	50
71) 2-Chlorotoluene	15.66	91	127041	0.337	ppbv	#	45
72) 4-Ethyltoluene	15.94	105	301168	0.687	ppbv		95
73) 1,3,5-Trimethylbenzene	16.10	105	192465	0.432	ppbv		97
74) 1,2,4-Trimethylbenzene	16.87	105	367430	0.750	ppbv	#	82

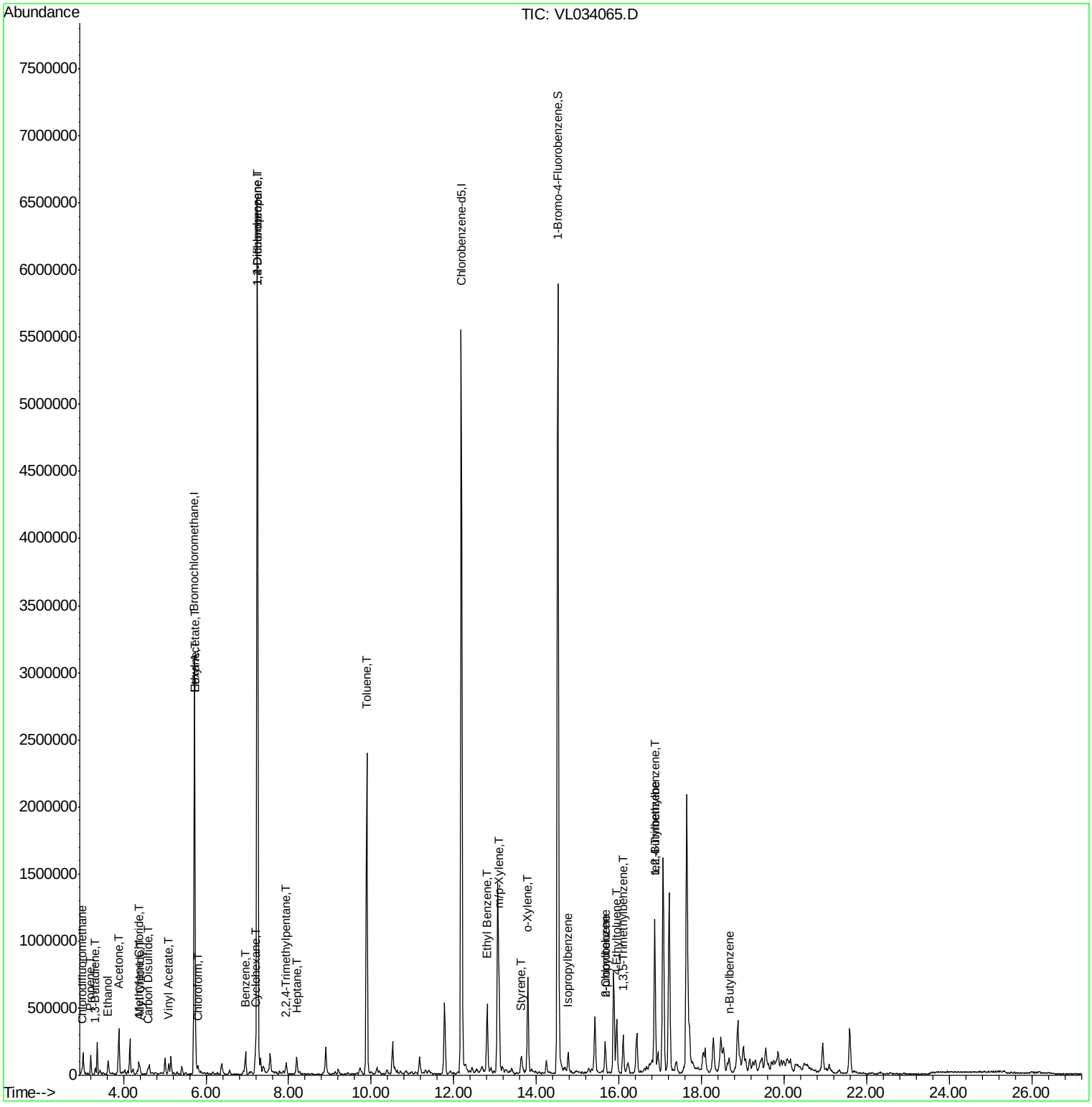
(#) = qualifier out of range (m) = manual integration (+) = signals summed

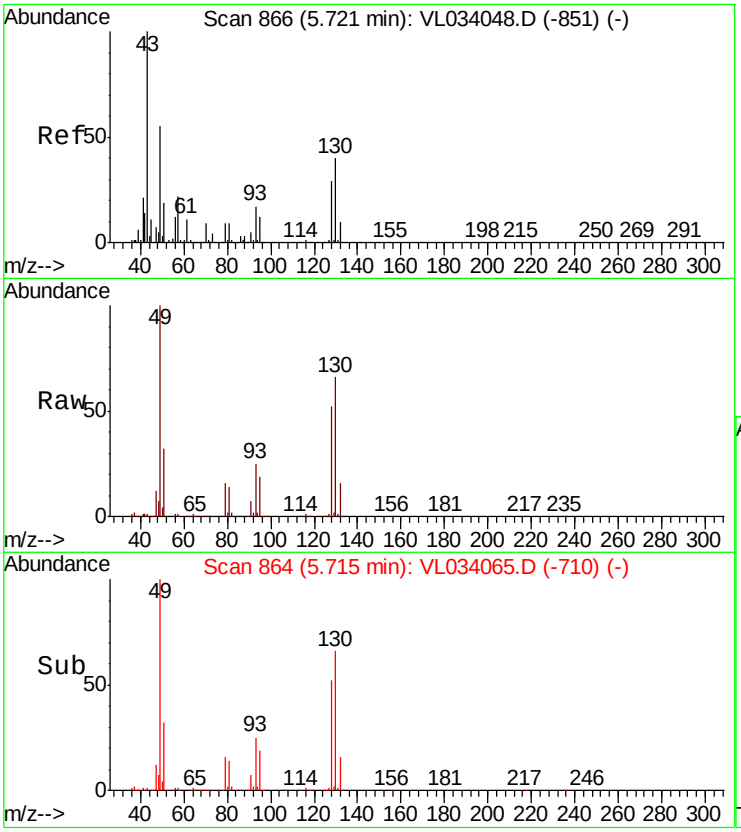
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL073019\
Data File : VL034065.D
Acq On : 30 Jul 2019 14:50
Operator : SY/AP
Sample : K4033-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 31 02:13:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 30 06:55:18 2019
QLast Update : Tue Jul 30 06:55:18 2019
Response via : Initial Calibration



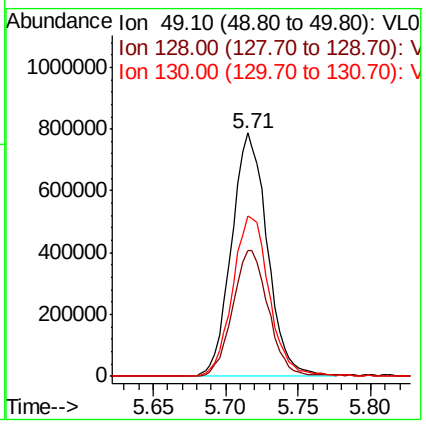


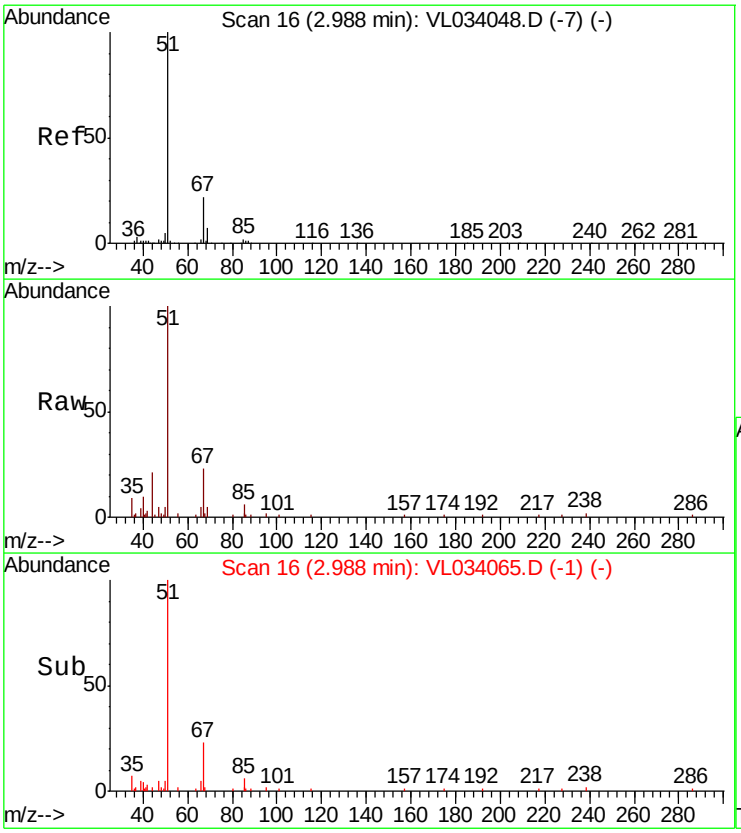
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.71 min Scan# 864
Delta R.T. -0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1346461

Ion	Ratio	Lower	Upper
49	100		
128	52.5	27.0	81.0
130	68.1	35.0	105.0

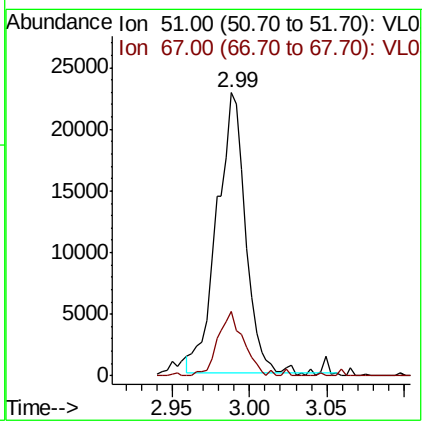


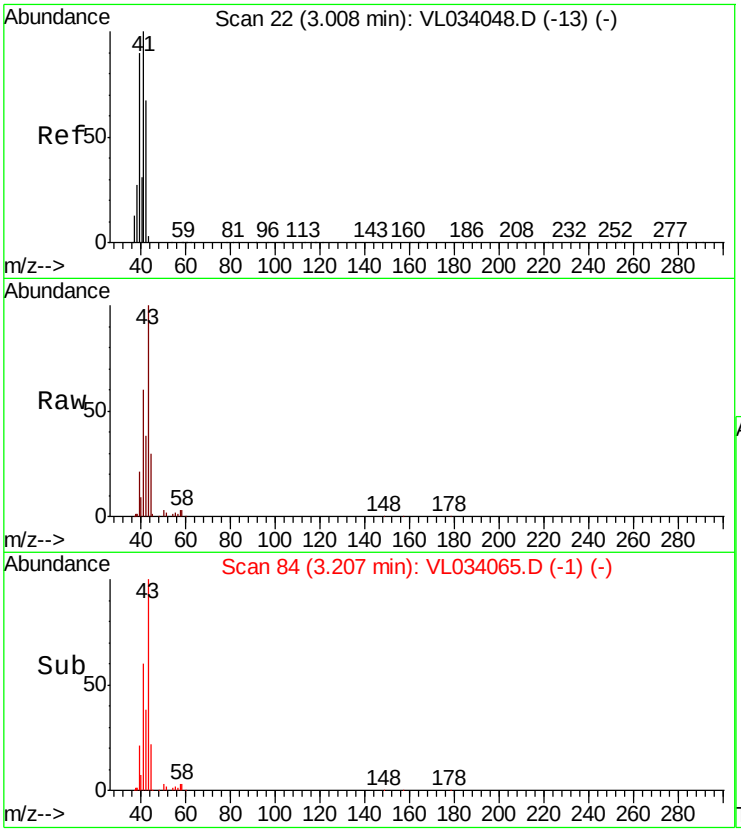


#3
Chlorodifluoromethane
Concen: 0.189 ppbv
RT: 2.99 min Scan# 16
Delta R.T. 0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion: 51 Resp: 29389

Ion	Ratio	Lower	Upper
51	100		
67	21.0	17.4	26.0



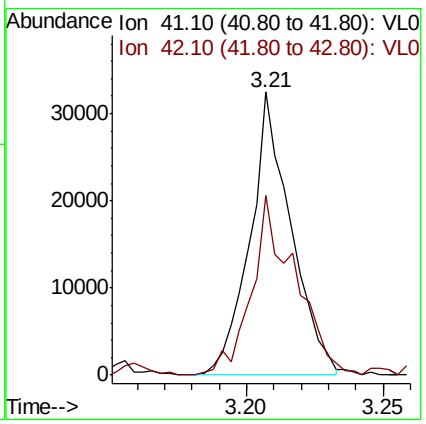


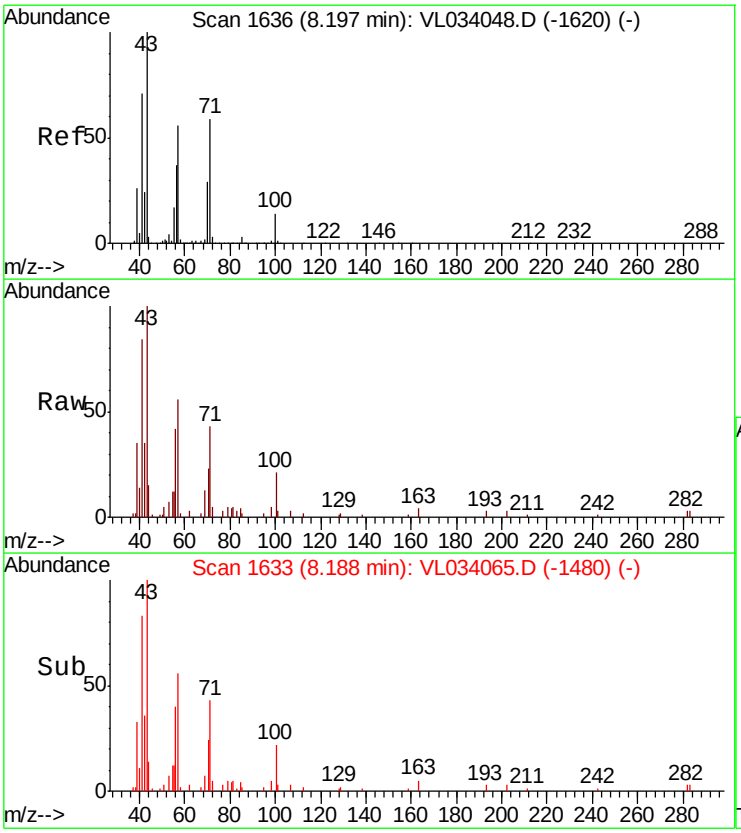
#9
Propene
Concen: 0.604 ppbv
RT: 3.21 min Scan# 84
Delta R.T. 0.20 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 33720

Ion	Ratio	Lower	Upper
41	100		
42	73.1	55.4	83.2

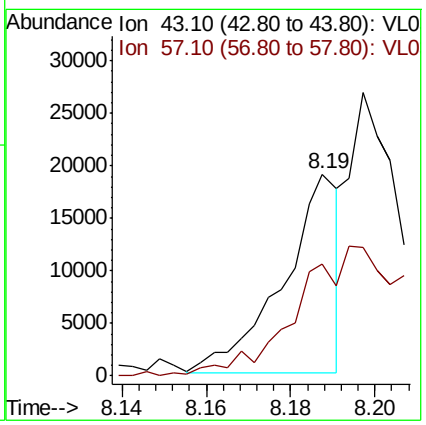


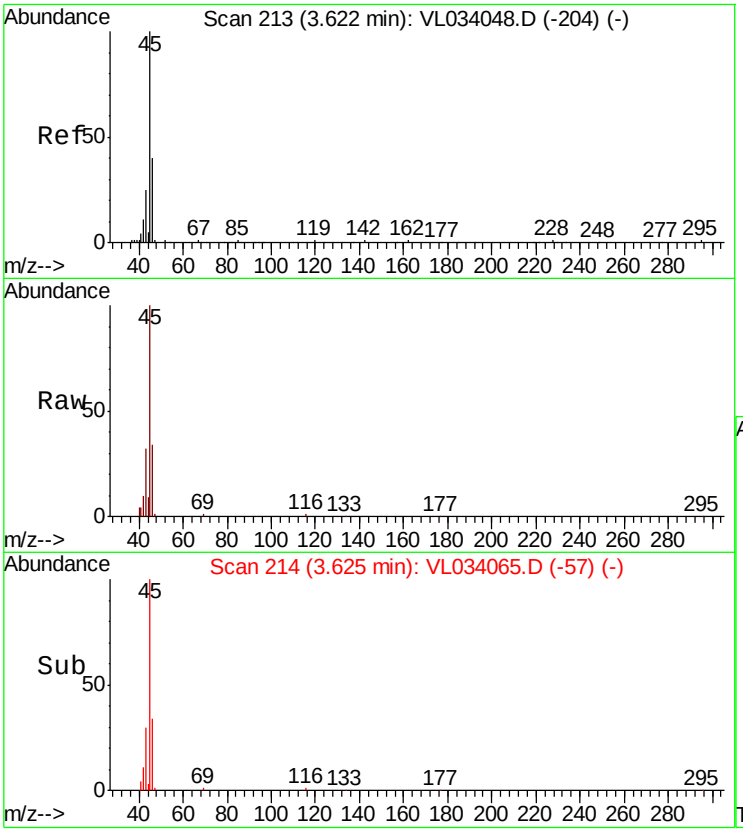


#10
Heptane
Concen: 0.114 ppbv
RT: 8.19 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion: 43 Resp: 17397

Ion	Ratio	Lower	Upper
43	100		
57	0.0	44.8	67.2#



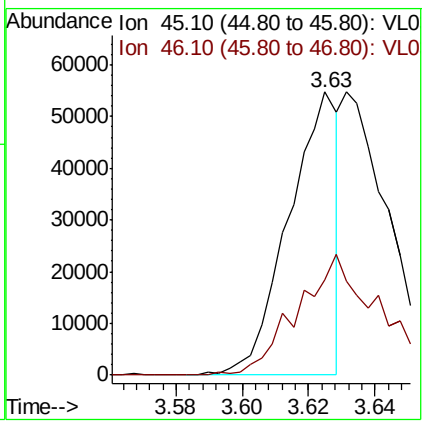


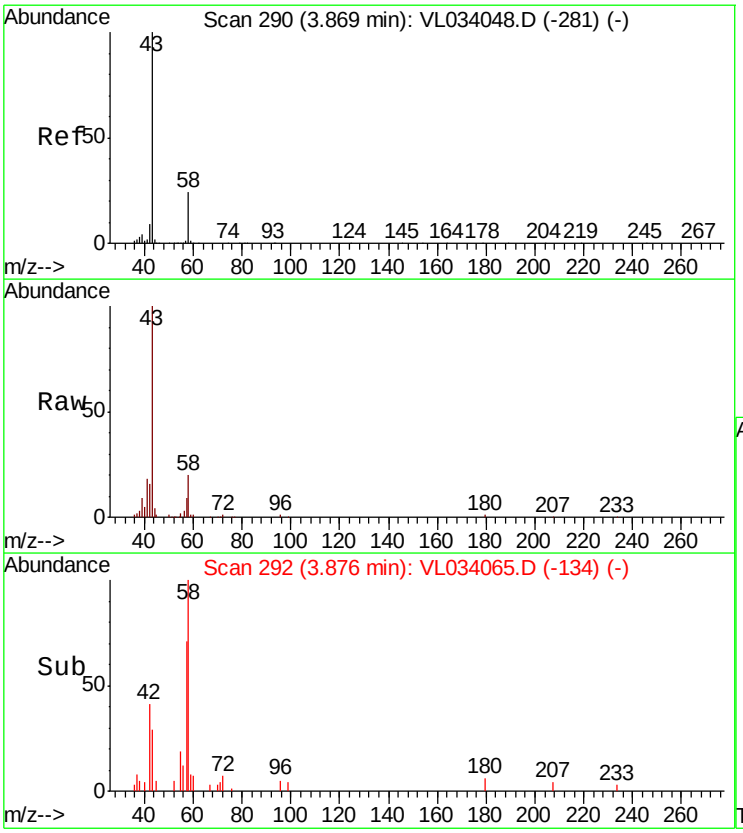
#13
Ethanol
Concen: 2.553 ppbv
RT: 3.63 min Scan# 214
Delta R.T. 0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 56693

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.6	62.2#

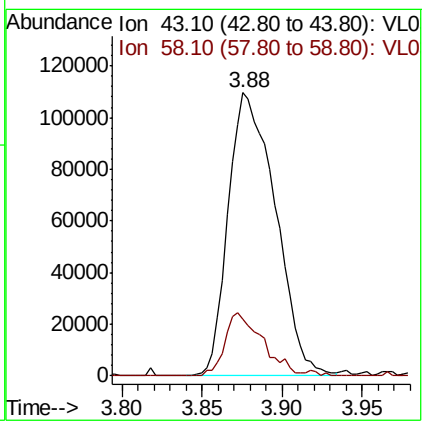


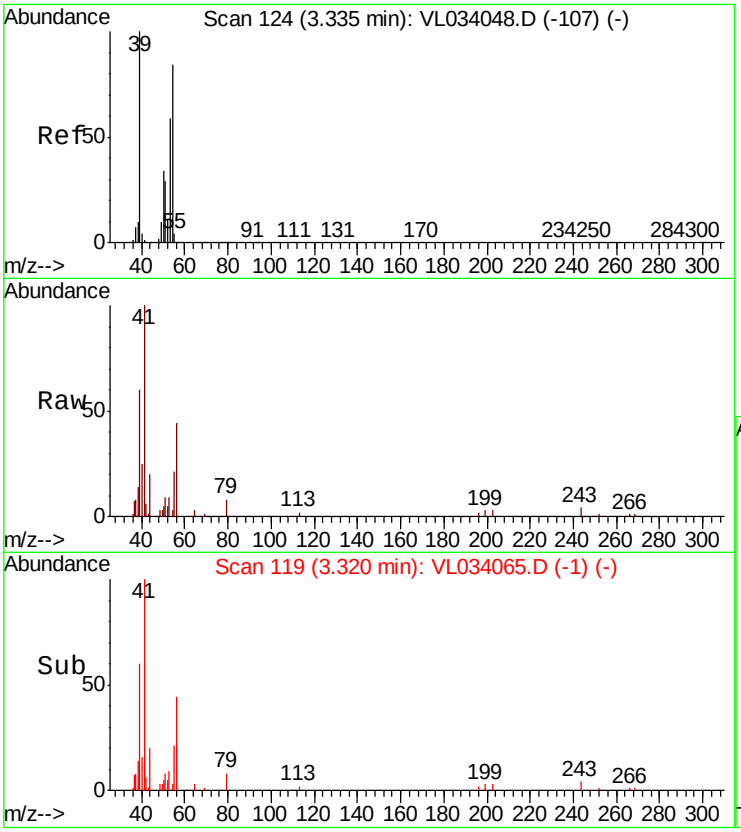


#15
Acetone
Concen: 1.078 ppbv
RT: 3.88 min Scan# 292
Delta R.T. 0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion: 43 Resp: 220667

Ion	Ratio	Lower	Upper
43	100		
58	18.3	21.6	32.4#



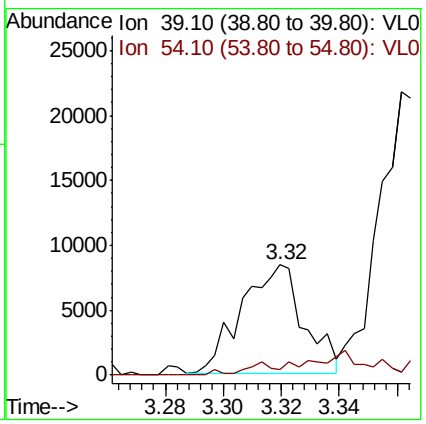


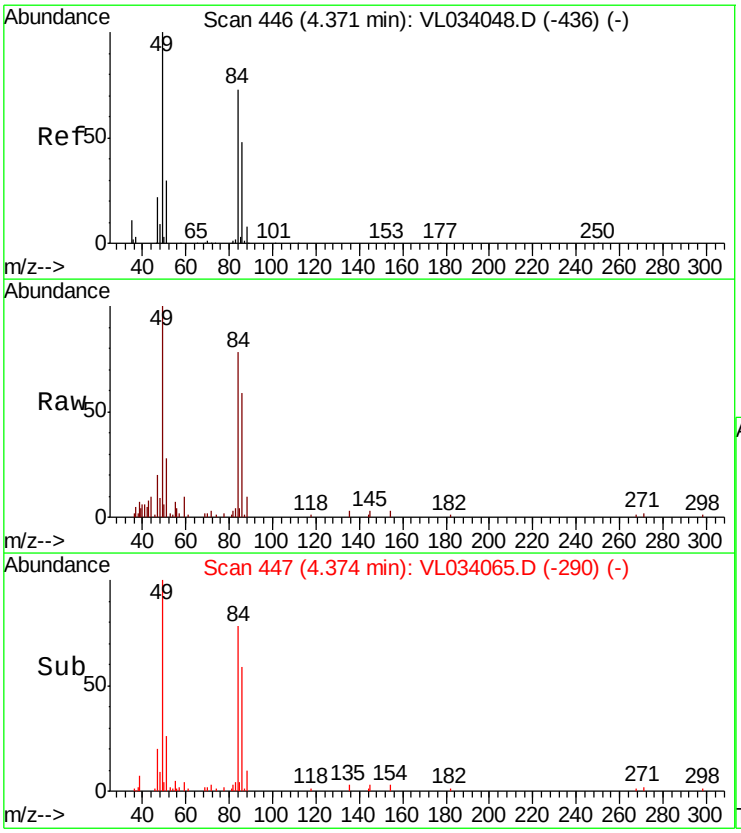
#16
1,3-Butadiene
Concen: 0.157 ppbv
RT: 3.32 min Scan# 119
Delta R.T. -0.02 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 12455

Ion	Ratio	Lower	Upper
39	100		
54	0.0	68.9	103.3#

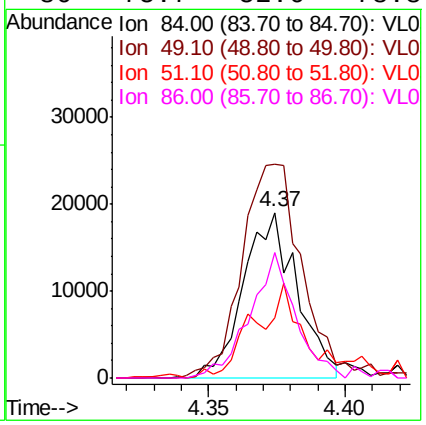


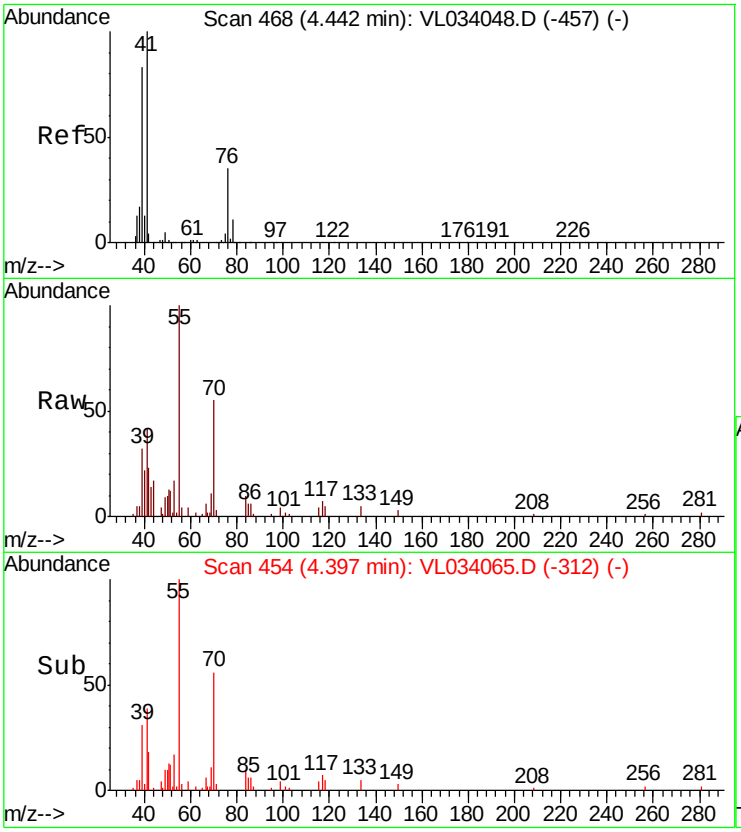


#20
Methylene Chloride
Concen: 0.330 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion: 84 Resp: 25869

Ion	Ratio	Lower	Upper
84	100		
49	127.3	109.6	164.4
51	36.1	33.4	50.2
86	75.7	52.6	78.8



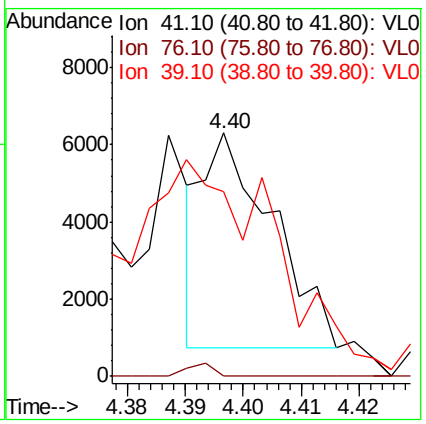


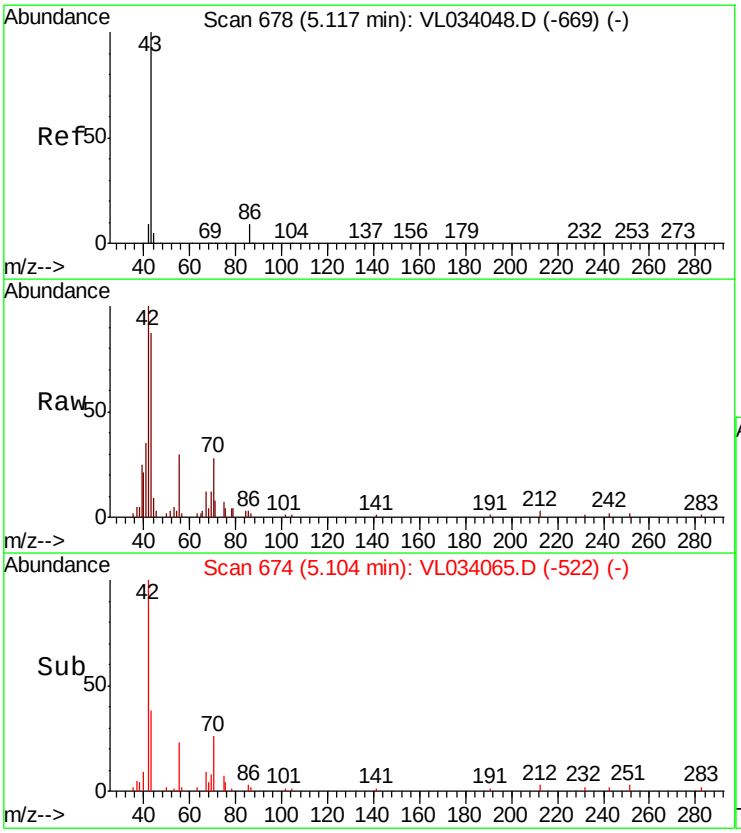
#21
Allvl Chloride
Concen: 0.036 ppbv
RT: 4.40 min Scan# 454
Delta R.T. -0.04 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 4638

Ion	Ratio	Lower	Upper
41	100		
76	0.0	26.1	39.1#
39	0.0	65.0	97.6#

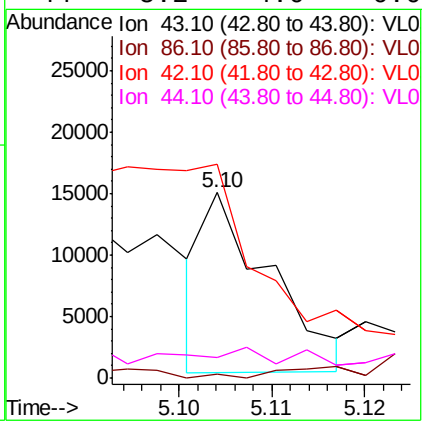


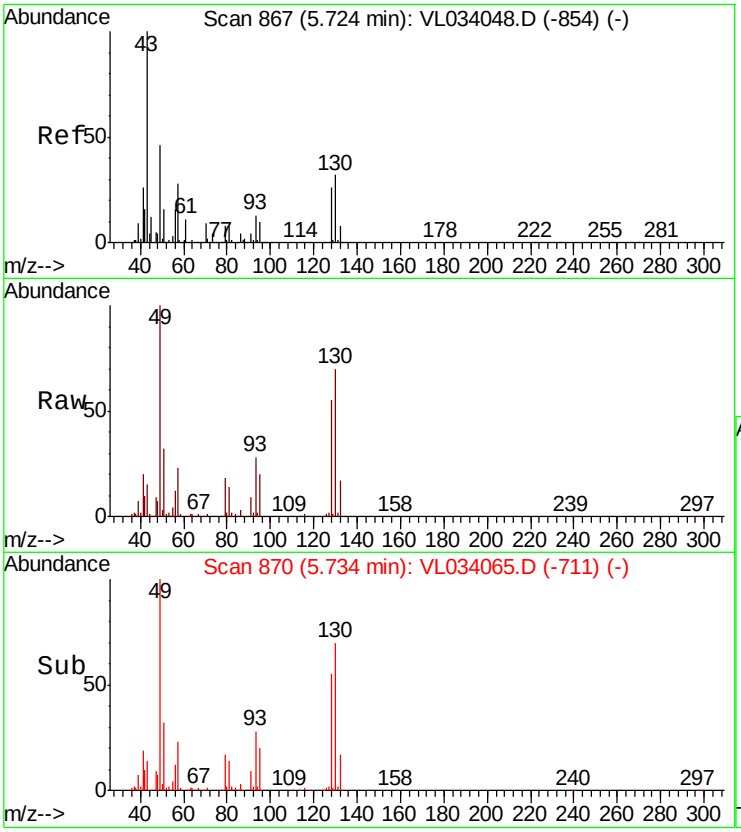


#23
Vinyl Acetate
Concen: 0.033 ppbv
RT: 5.10 min Scan# 674
Delta R.T. -0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion: 43 Resp: 7291

Ion	Ratio	Lower	Upper
43	100		
86	2.6	6.5	9.7#
42	99.2	8.3	12.5#
44	5.2	4.0	6.0



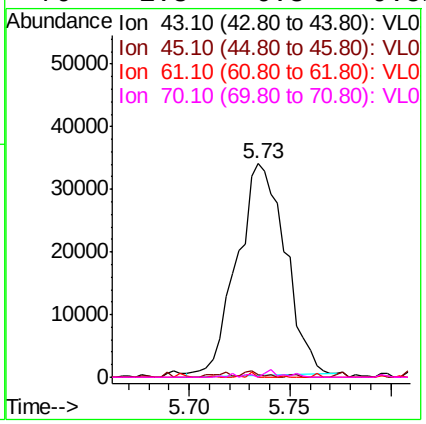


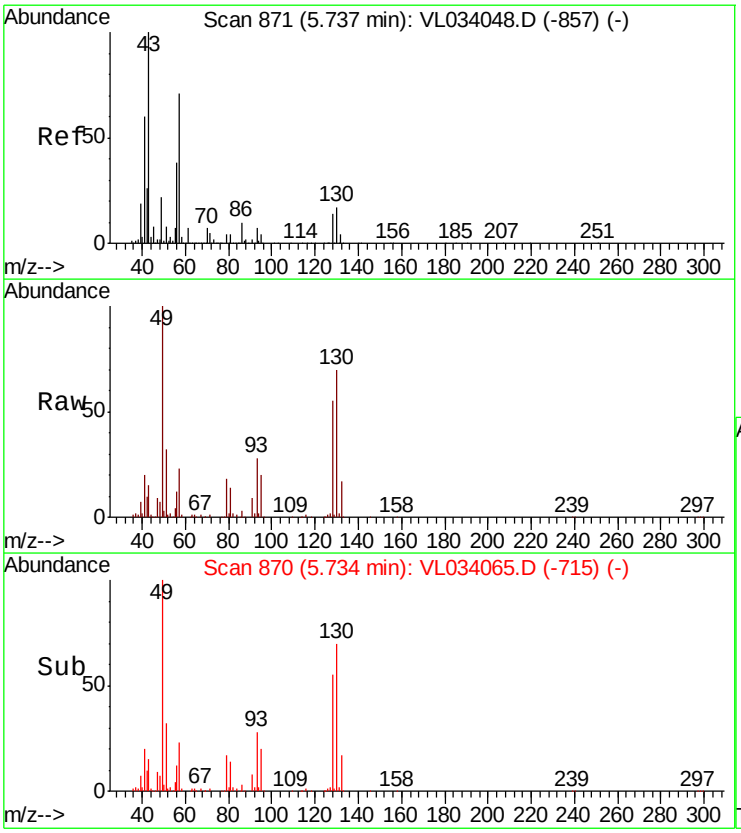
#25
Ethyl Acetate
Concen: 0.186 ppbv
RT: 5.73 min Scan# 870
Delta R.T. 0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 56718

Ion	Ratio	Lower	Upper
43	100		
45	2.0	8.1	12.1#
61	0.8	8.1	12.1#
70	1.8	6.3	9.5#

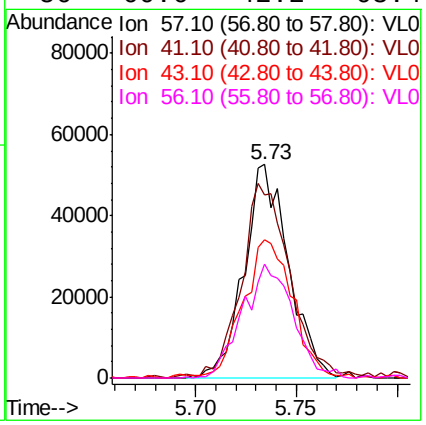


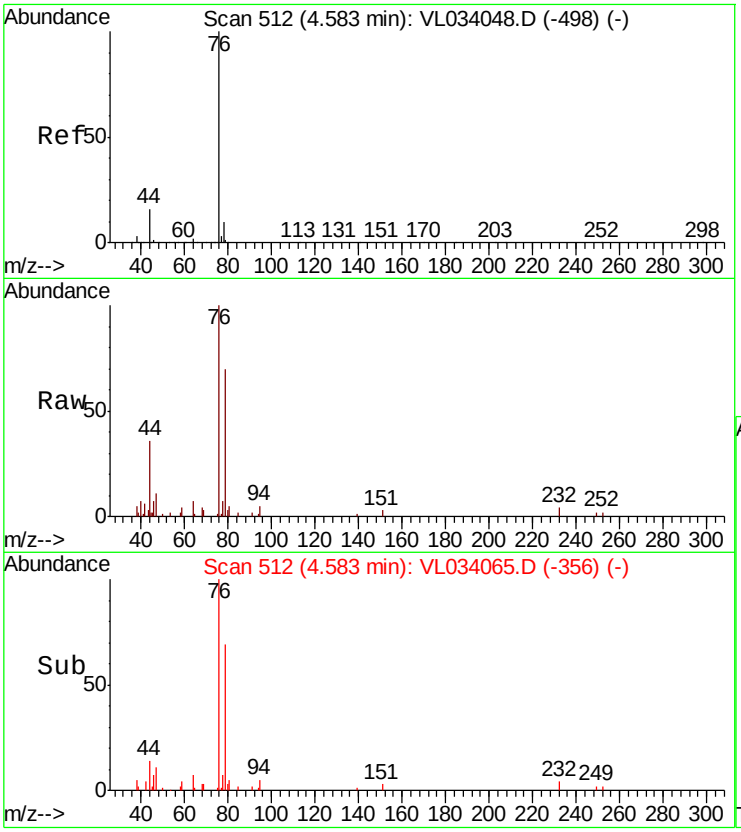


#26
Hexane
Concen: 0.590 ppbv
RT: 5.73 min Scan# 870
Delta R.T. -0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion: 57 Resp: 81164

Ion	Ratio	Lower	Upper
57	100		
41	99.8	69.0	103.6
43	73.4	176.6	264.8#
56	60.6	42.2	63.4



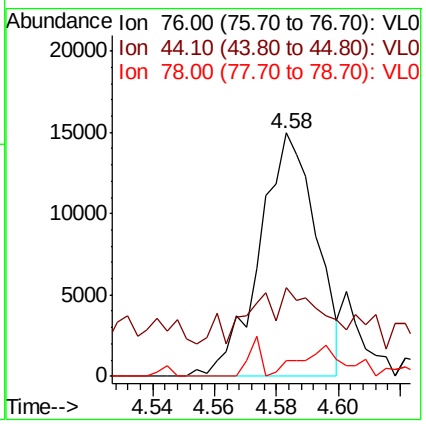


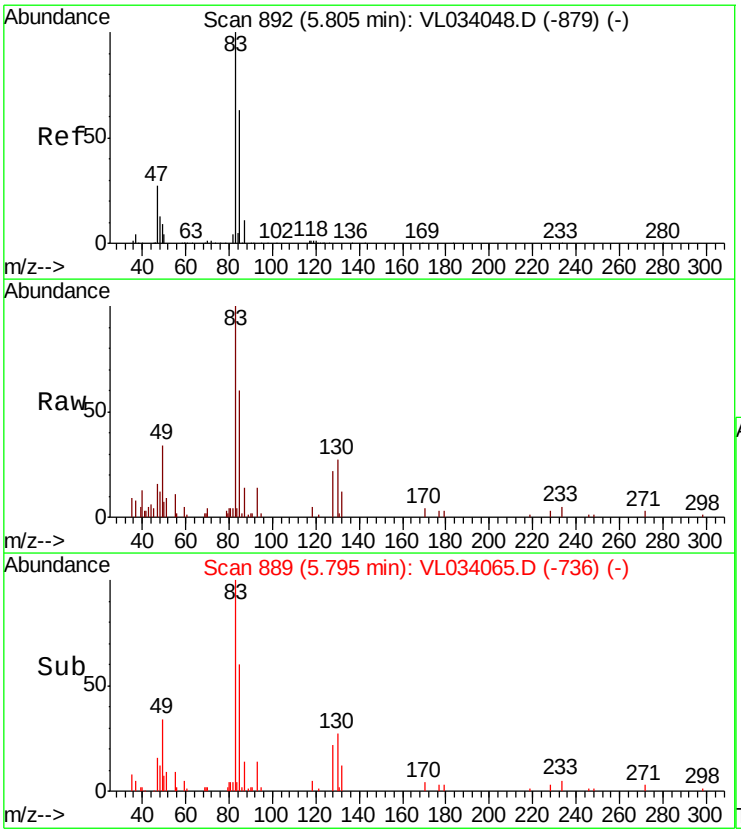
#27
Carbon Disulfide
Concen: 0.089 ppbv
RT: 4.58 min Scan# 512
Delta R.T. 0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 19111

Ion	Ratio	Lower	Upper
76	100		
44	27.3	13.0	19.4#
78	17.2	7.7	11.5#

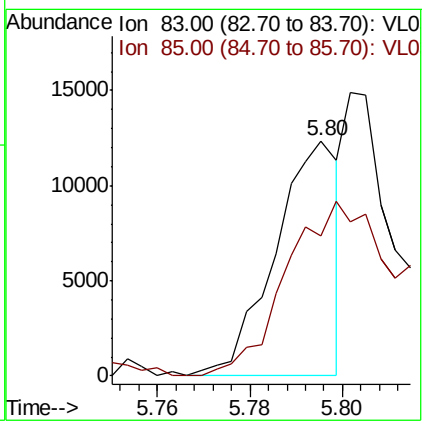


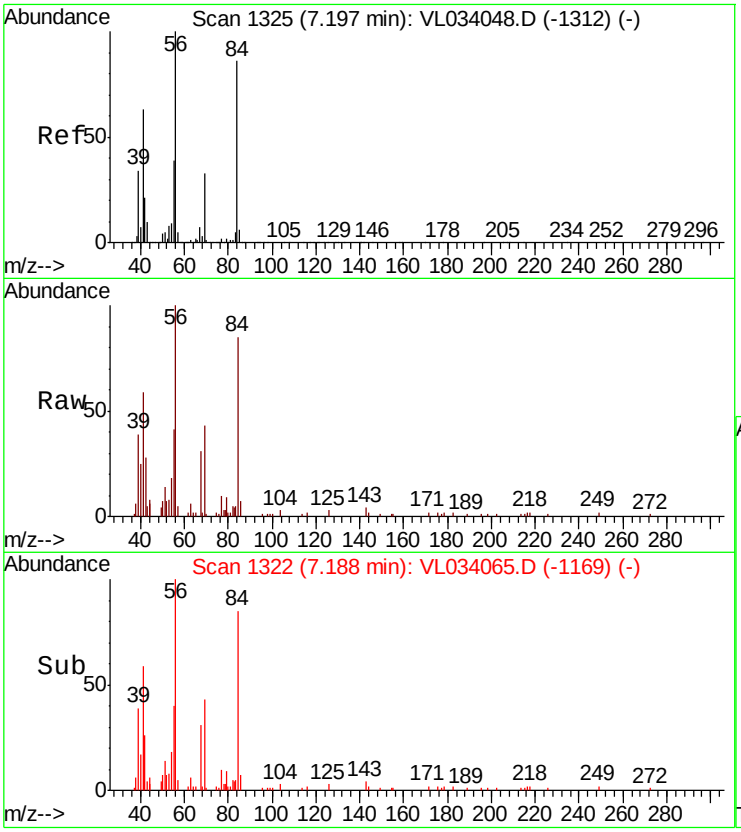


#29
Chloroform
Concen: 0.047 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion: 83 Resp: 11706

Ion	Ratio	Lower	Upper
83	100		
85	59.6	50.2	75.4



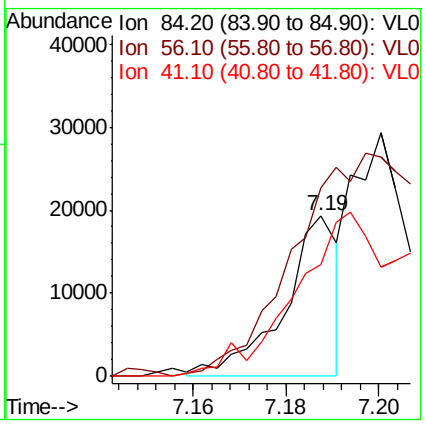


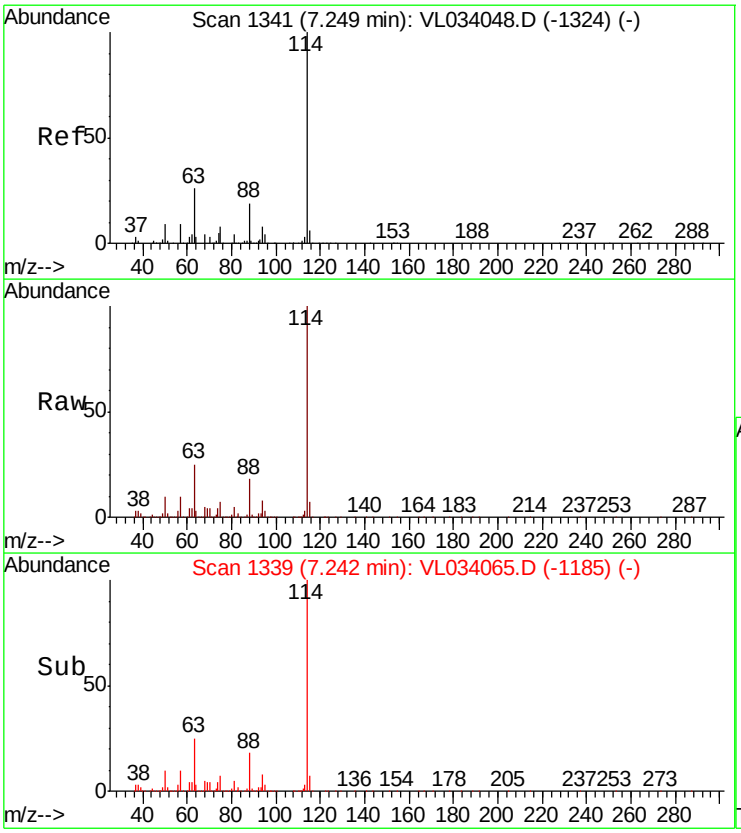
#30
Cyclohexane
Concen: 0.111 ppbv
RT: 7.19 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 15594

Ion	Ratio	Lower	Upper
84	100		
56	0.0	101.7	152.5#
41	0.0	59.4	89.0#

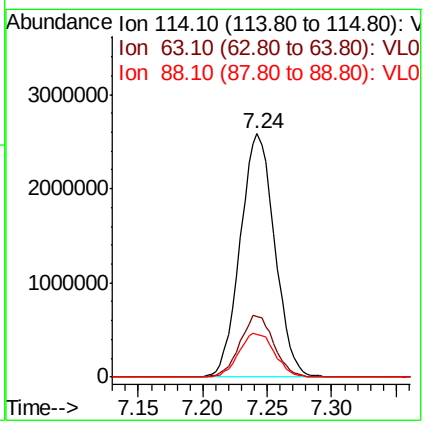


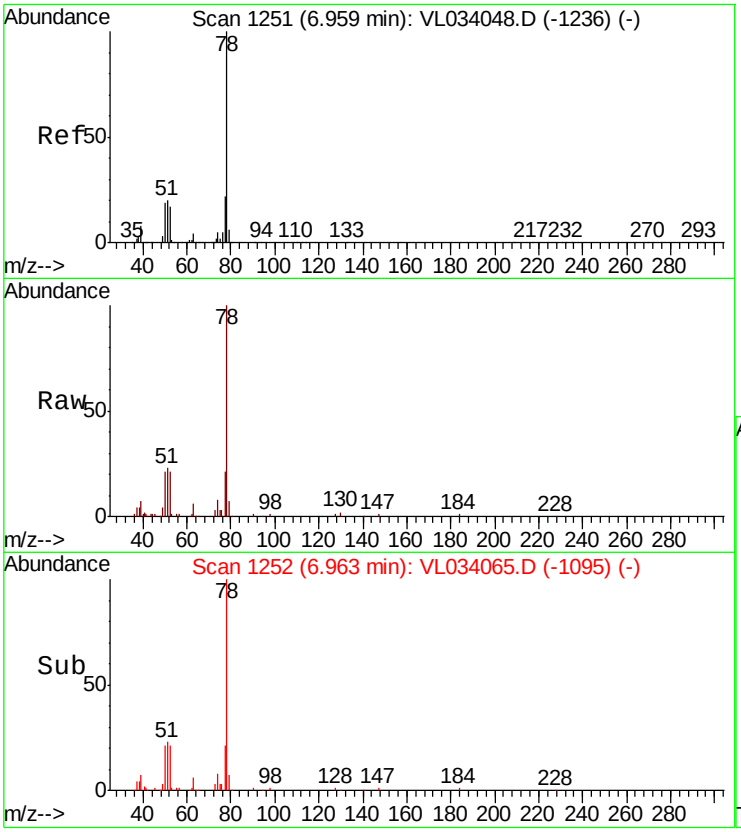


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion:114 Resp: 4812806

Ion	Ratio	Lower	Upper
114	100		
63	25.0	21.0	31.6
88	18.7	14.7	22.1



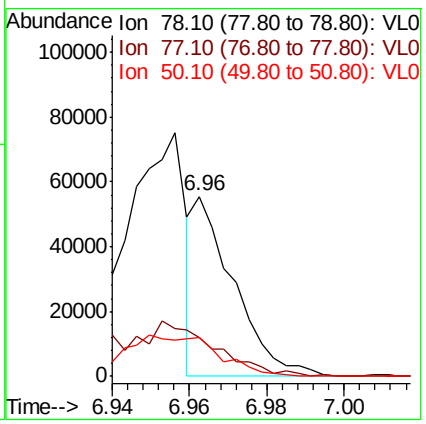


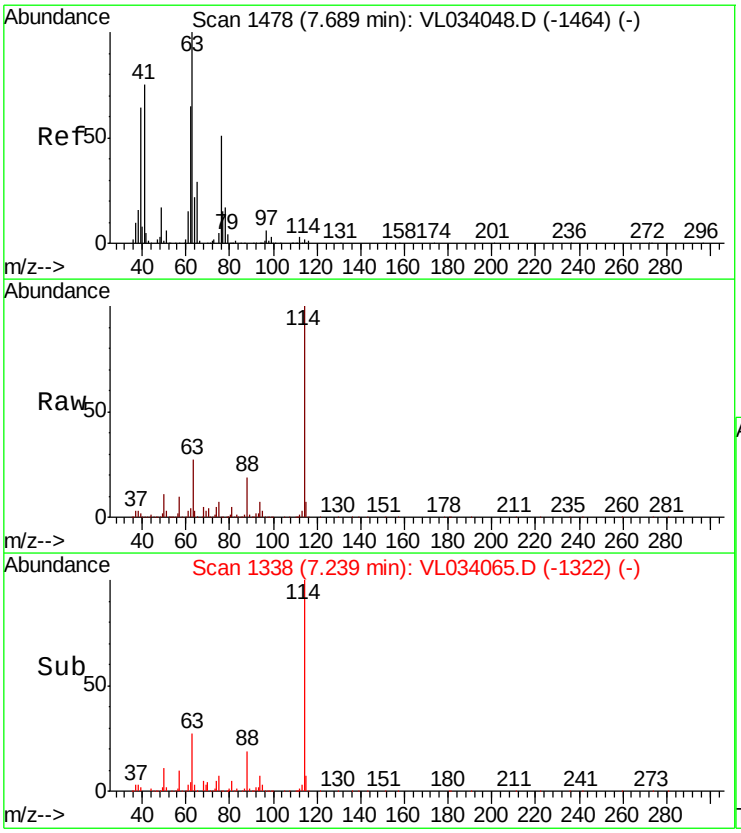
#36
Benzene
Concen: 0.124 ppbv
RT: 6.96 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 39777

Ion	Ratio	Lower	Upper
78	100		
77	21.5	17.9	26.9
50	20.8	14.9	22.3

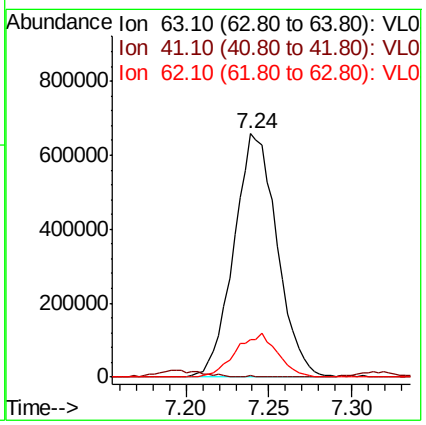


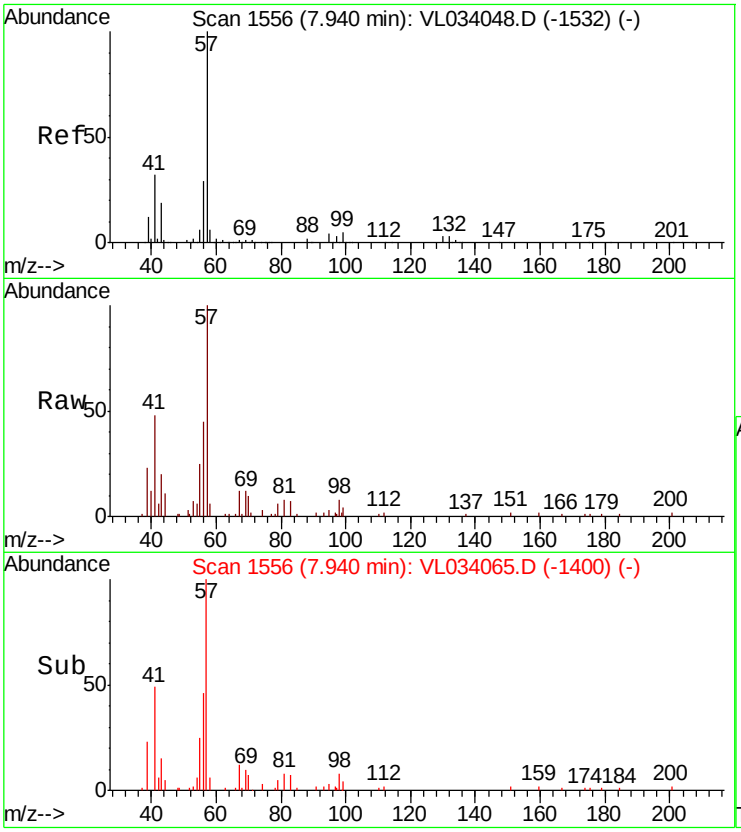


#39
1,2-Dichloropropane
Concen: 9.141 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.45 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion: 63 Resp: 1188417

Ion	Ratio	Lower	Upper
63	100		
41	0.2	59.8	89.8#
62	15.2	52.2	78.2#



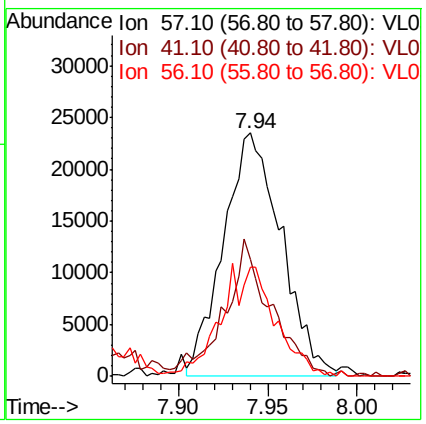


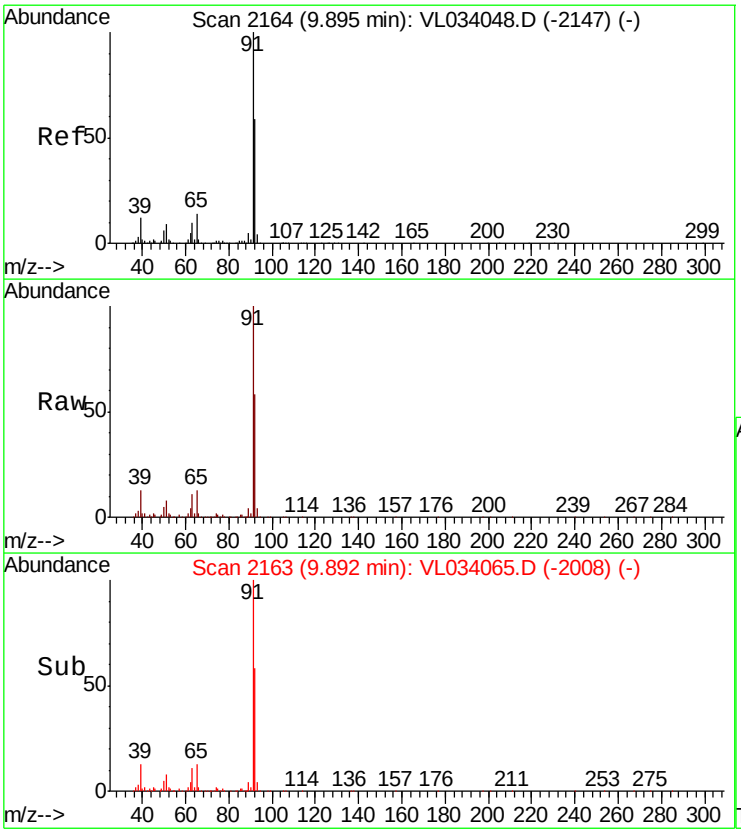
#44
2,2,4-Trimethylpentane
Concen: 0.100 ppbv
RT: 7.94 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 53124

Ion	Ratio	Lower	Upper
57	100		
41	46.0	26.2	39.2#
56	42.5	24.2	36.2#

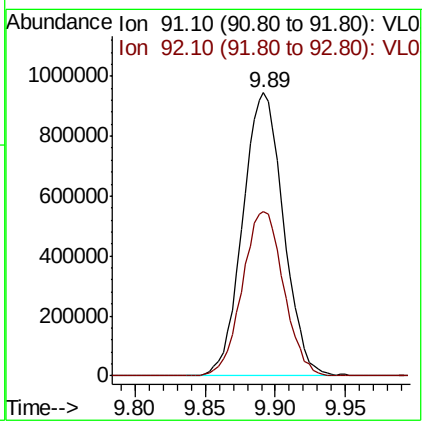


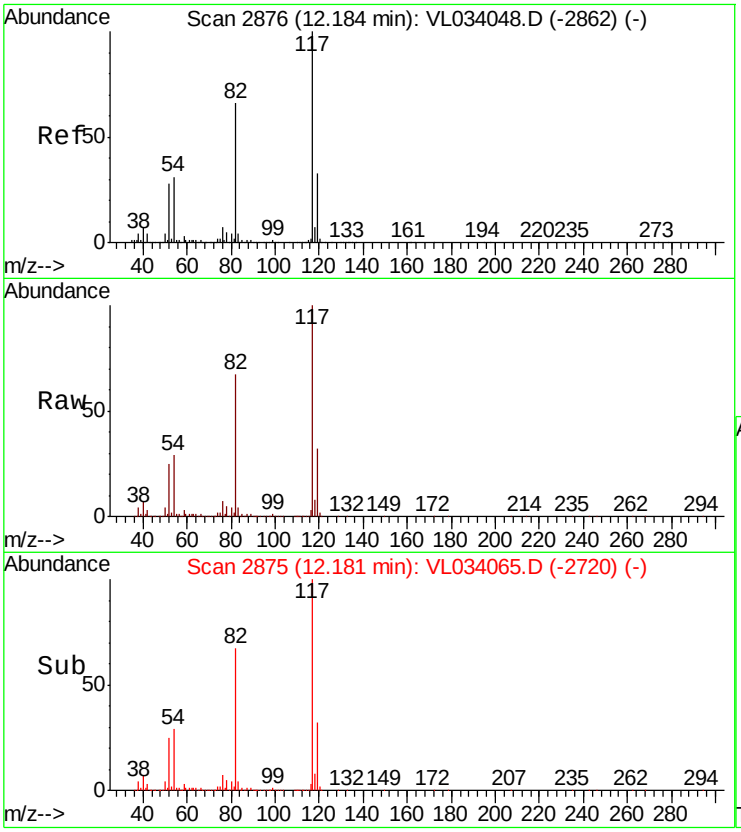


#53
Toluene
Concen: 5.720 ppbv
RT: 9.89 min Scan# 2163
Delta R.T. -0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion: 91 Resp: 1912096

Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.4	71.2



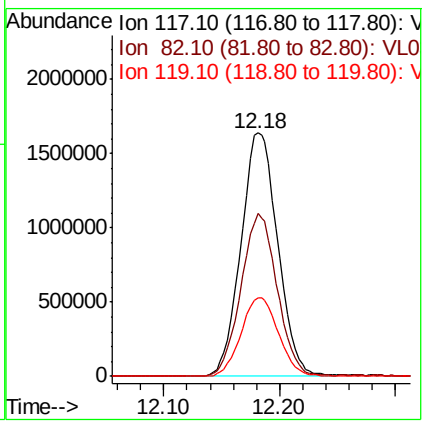


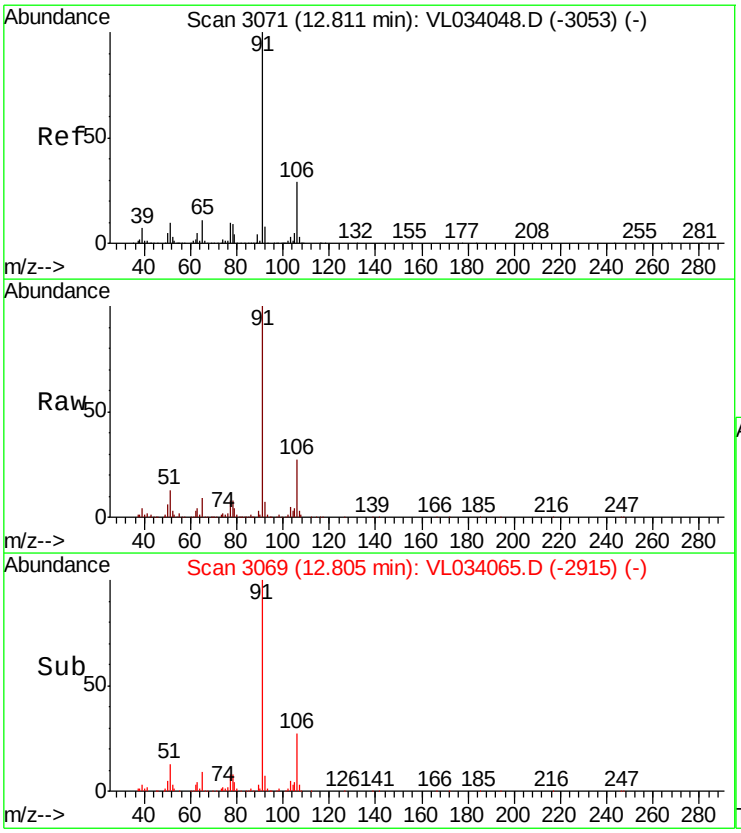
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.18 min Scan# 2875
Delta R.T. -0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3624399

Ion	Ratio	Lower	Upper
117	100		
82	65.9	49.8	74.8
119	33.0	43.0	64.6#

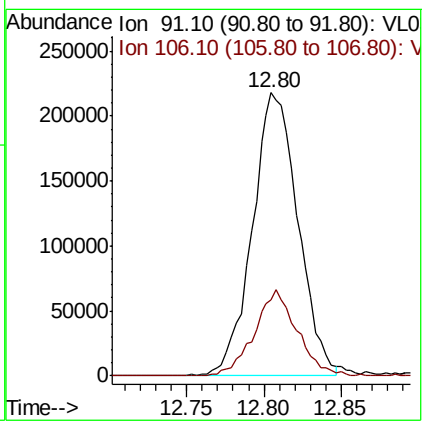


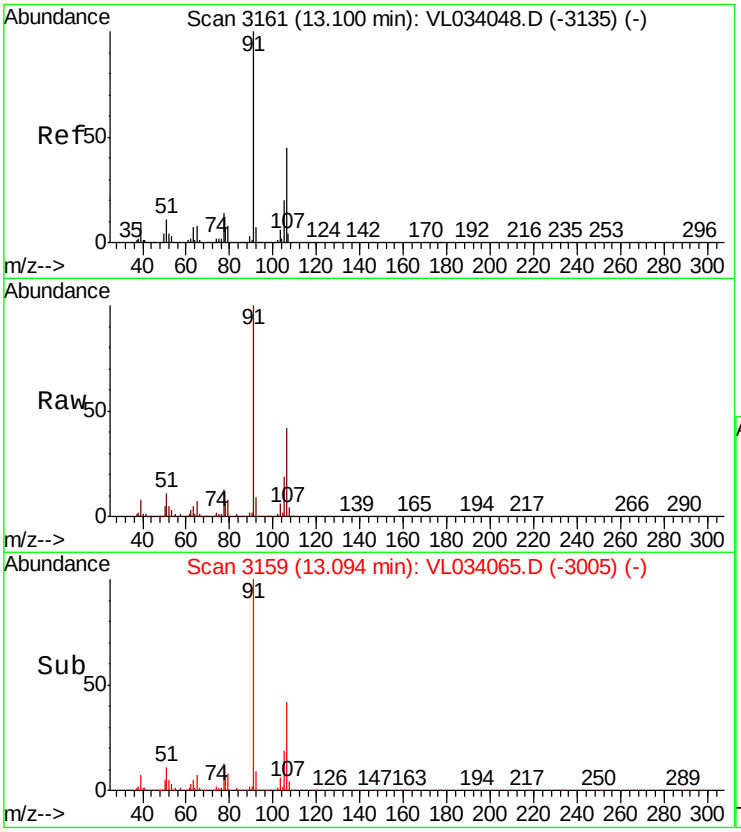


#58
Ethyl Benzene
Concen: 1.043 ppbv
RT: 12.80 min Scan# 3069
Delta R.T. -0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion: 91 Resp: 447490

Ion	Ratio	Lower	Upper
91	100		
106	27.0	23.5	35.3



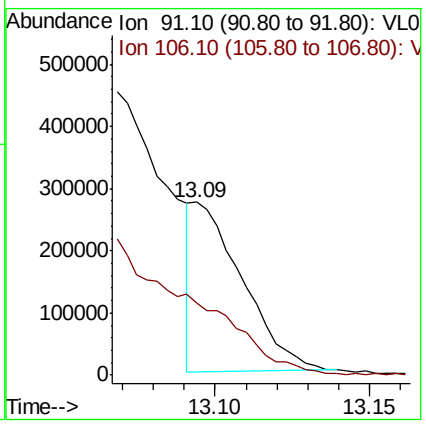


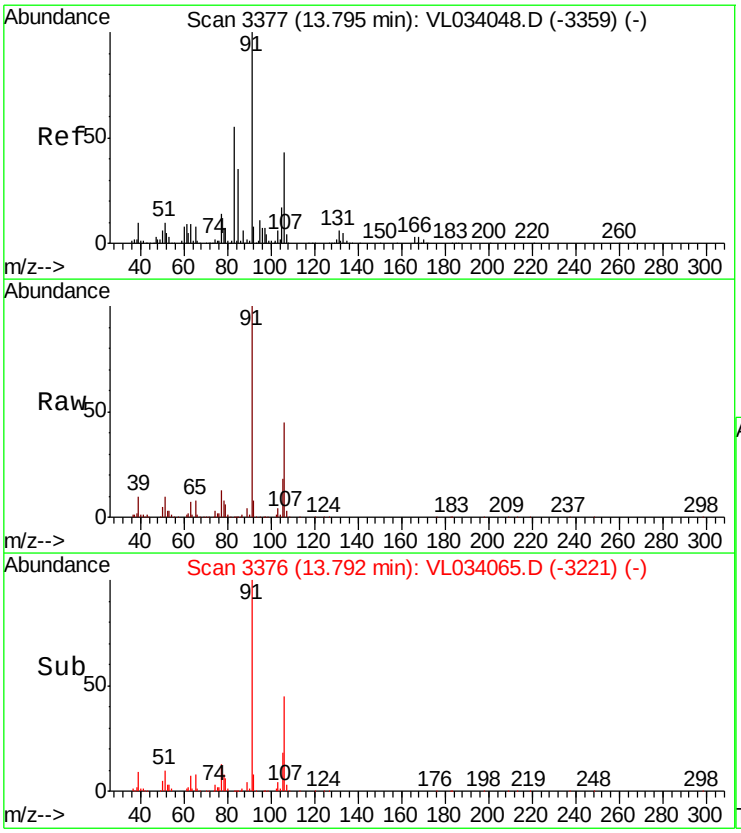
#59
m/p-Xylene
Concen: 0.774 ppbv
RT: 13.09 min Scan# 3159
Delta R.T. -0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 301673

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.1	52.7#

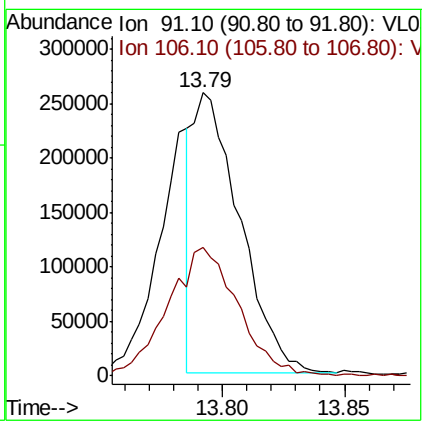


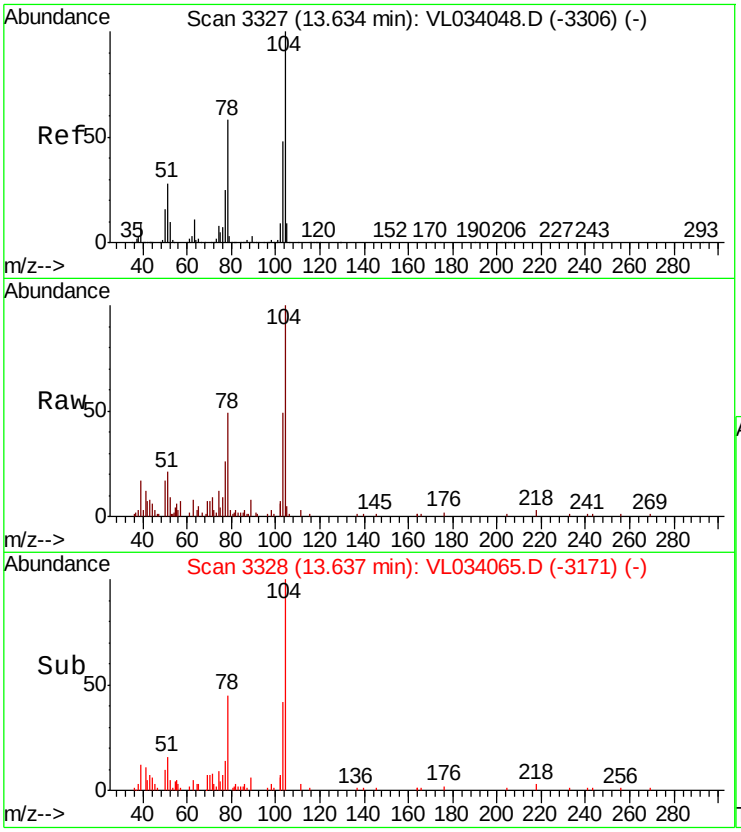


#60
o-Xylene
Concen: 0.874 ppbv
RT: 13.79 min Scan# 3376
Delta R.T. -0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion: 91 Resp: 338832

Ion	Ratio	Lower	Upper
91	100		
106	70.1	21.2	63.6#



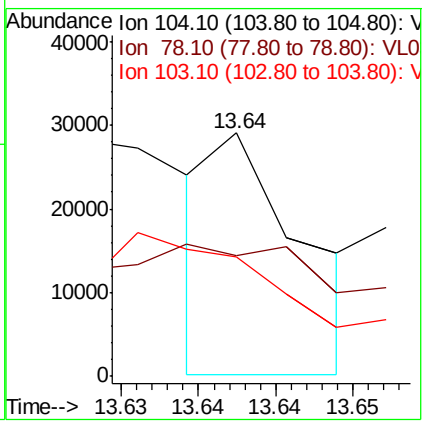


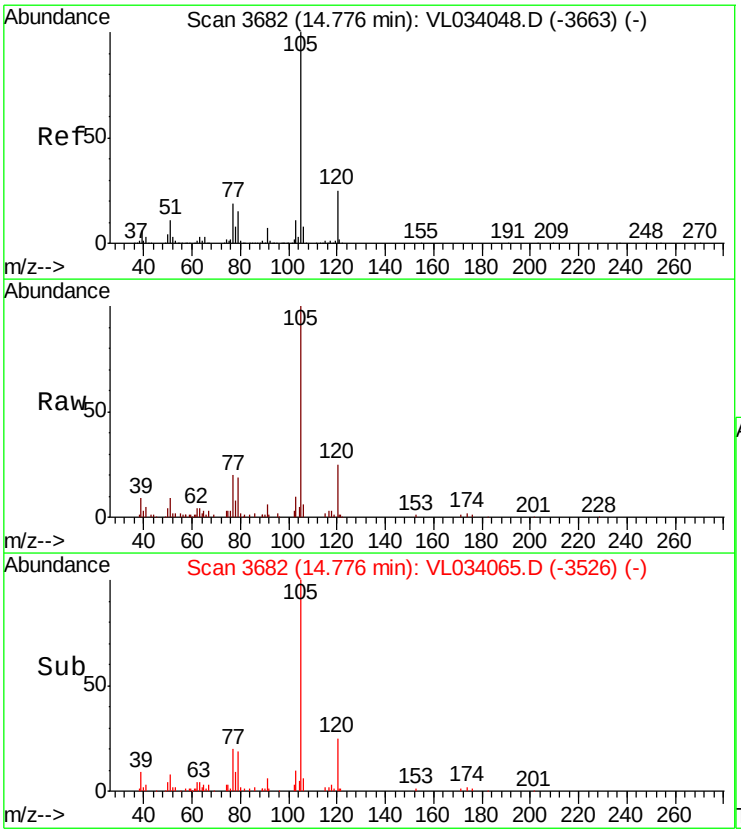
#61
Stvrene
Concen: 0.045 ppbv
RT: 13.64 min Scan# 3328
Delta R.T. 0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 11524

Ion	Ratio	Lower	Upper
104	100		
78	0.0	44.3	66.5#
103	273.9	38.8	58.2#

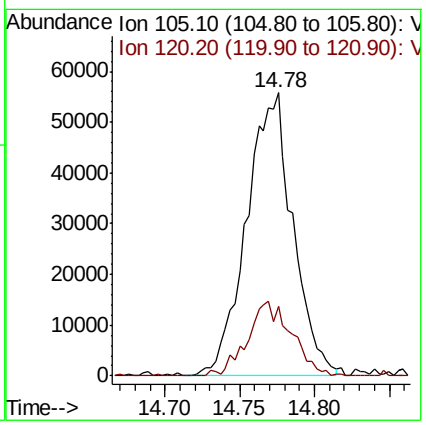


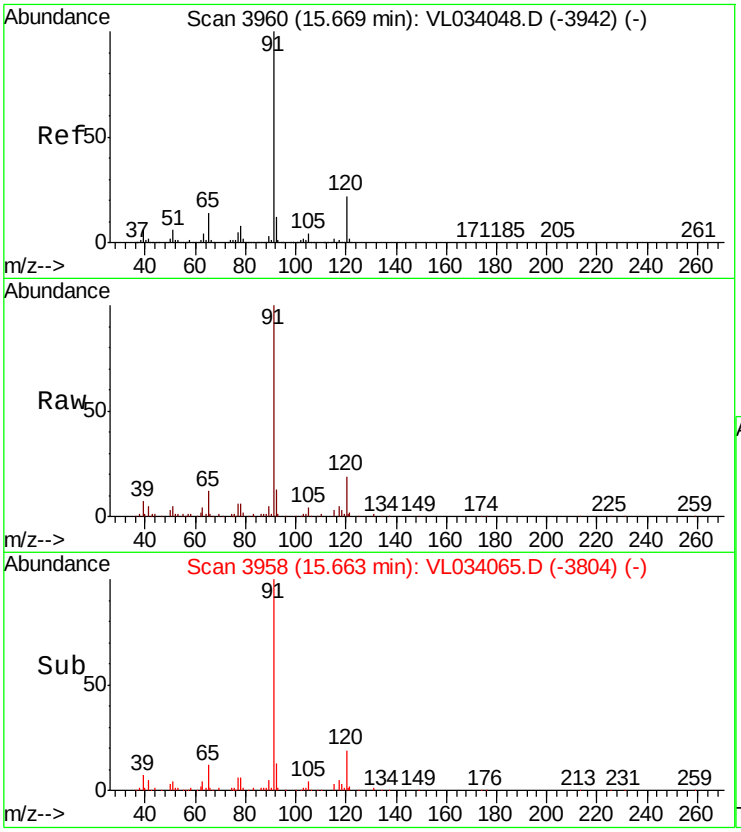


#62
Isopropylbenzene
Concen: 0.232 ppbv
RT: 14.78 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion:105 Resp: 120341

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.2	30.2



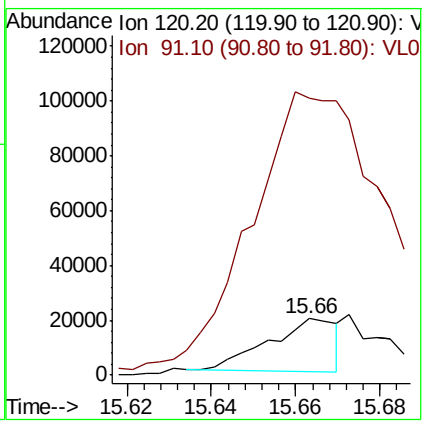


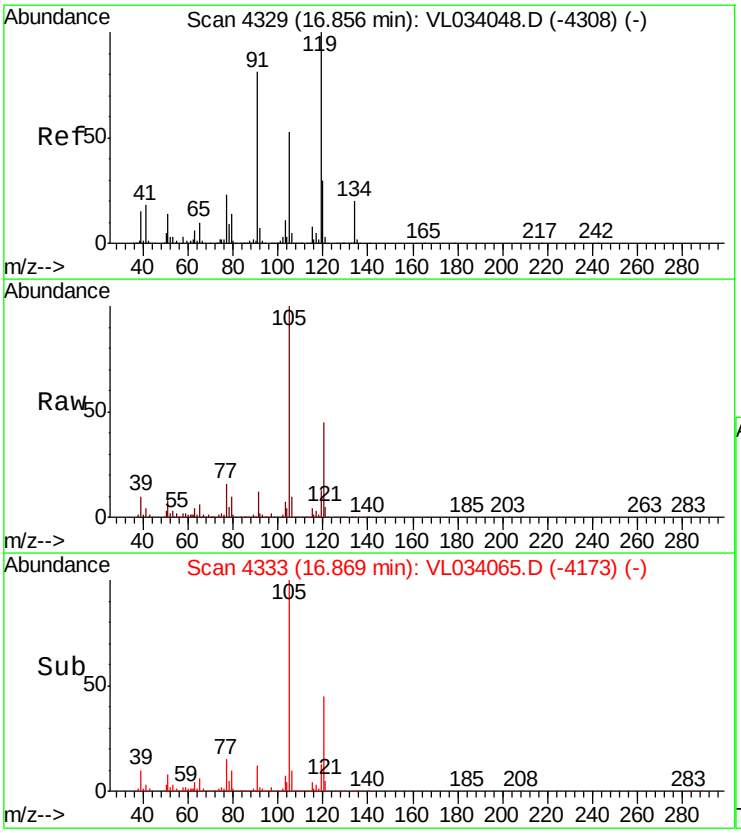
#64
n-propylbenzene
Concen: 0.164 ppbv
RT: 15.66 min Scan# 3958
Delta R.T. -0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:120 Resp: 21991

Ion	Ratio	Lower	Upper
120	100		
91	1064.4	386.2	579.2#

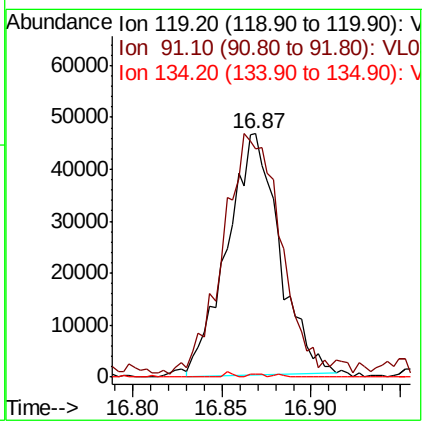


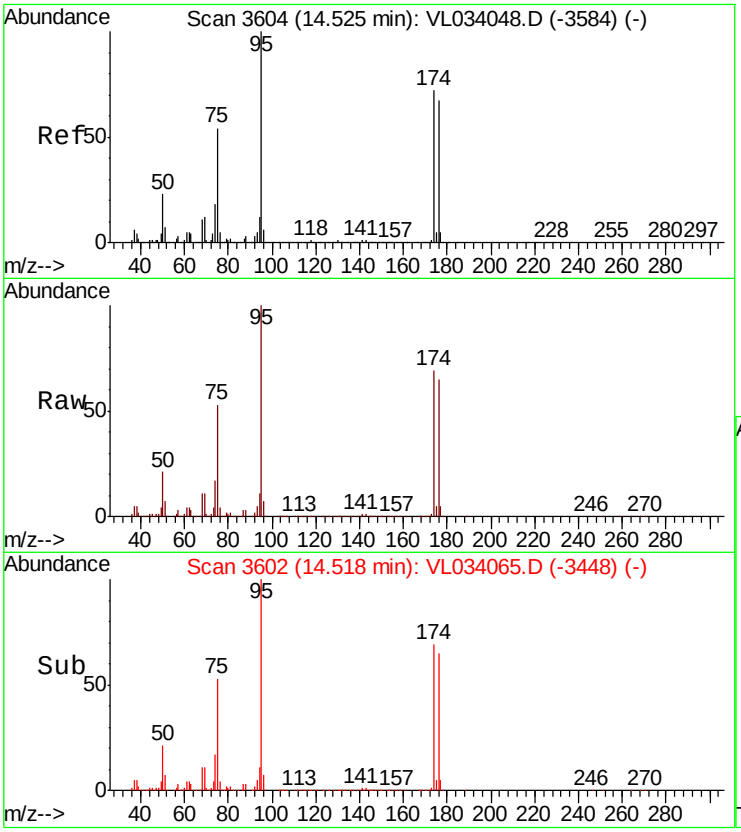


#65
tert-Butylbenzene
Concen: 0.198 ppbv
RT: 16.87 min Scan# 4333
Delta R.T. 0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion:119 Resp: 94704

Ion	Ratio	Lower	Upper
119	100		
91	111.3	66.9	100.3#
134	1.0	15.5	23.3#



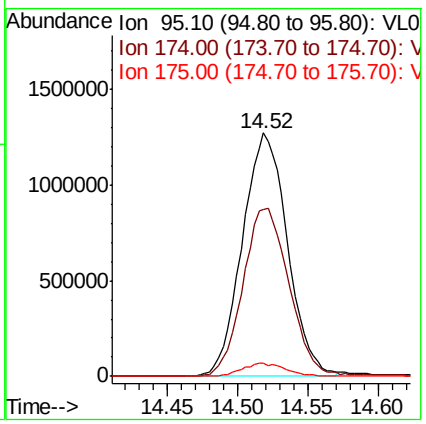


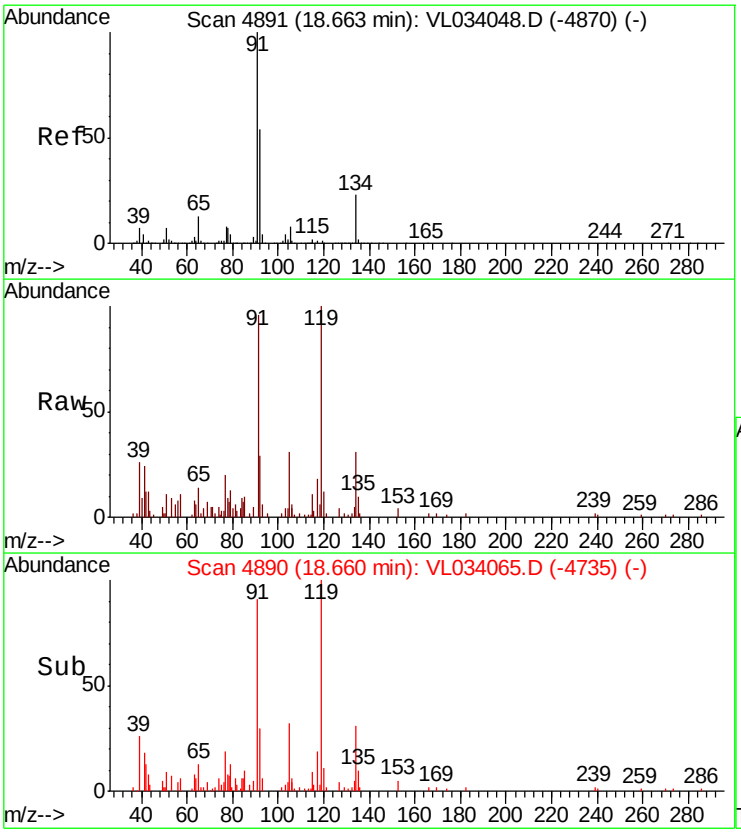
#68
1-Bromo-4-Fluorobenzene
Concen: 9.911 ppbv
RT: 14.52 min Scan# 3602
Delta R.T. -0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2839241

Ion	Ratio	Lower	Upper
95	100		
174	71.7	57.6	86.4
175	5.4	4.1	6.1

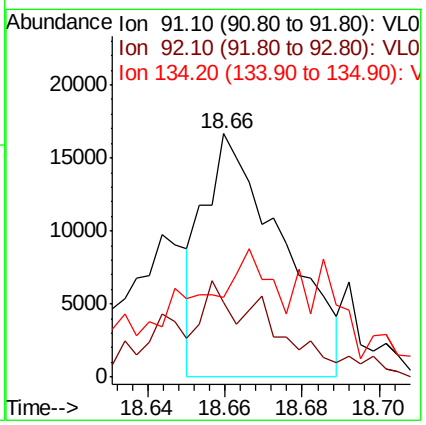


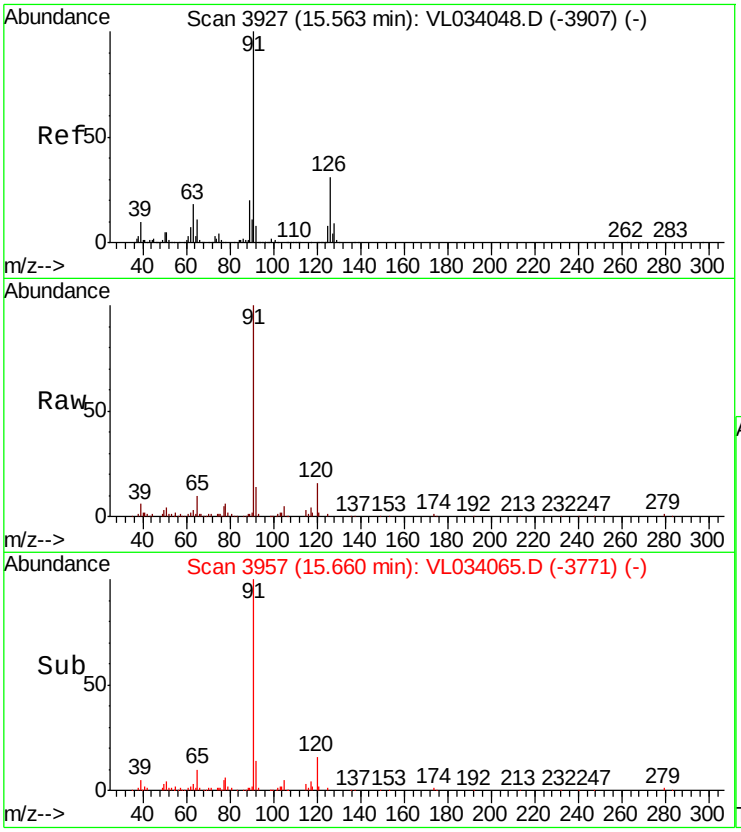


#70
n-Butylbenzene
Concen: 0.040 ppbv
RT: 18.66 min Scan# 4890
Delta R.T. -0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion: 91 Resp: 23633

Ion	Ratio	Lower	Upper
91	100		
92	58.2	42.6	64.0
134	96.1	17.7	26.5#



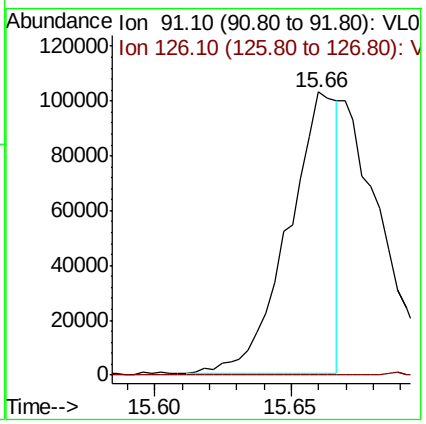


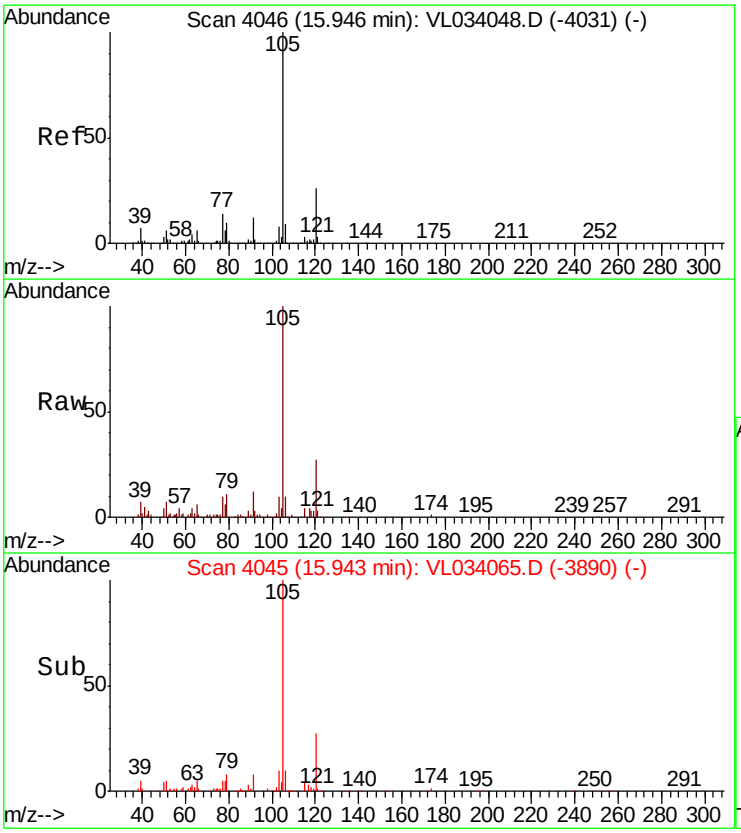
#71
2-Chlorotoluene
Concen: 0.337 ppbv
RT: 15.66 min Scan# 3957
Delta R.T. 0.10 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 127041

Ion	Ratio	Lower	Upper
91	100		
126	0.1	12.0	48.2#

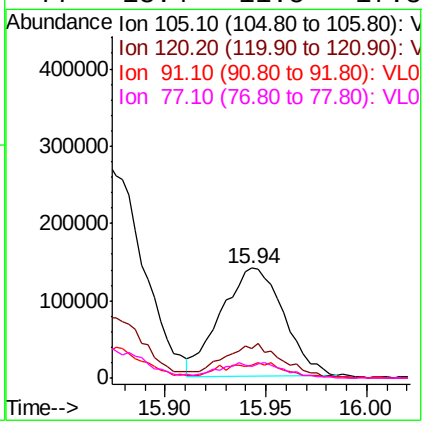


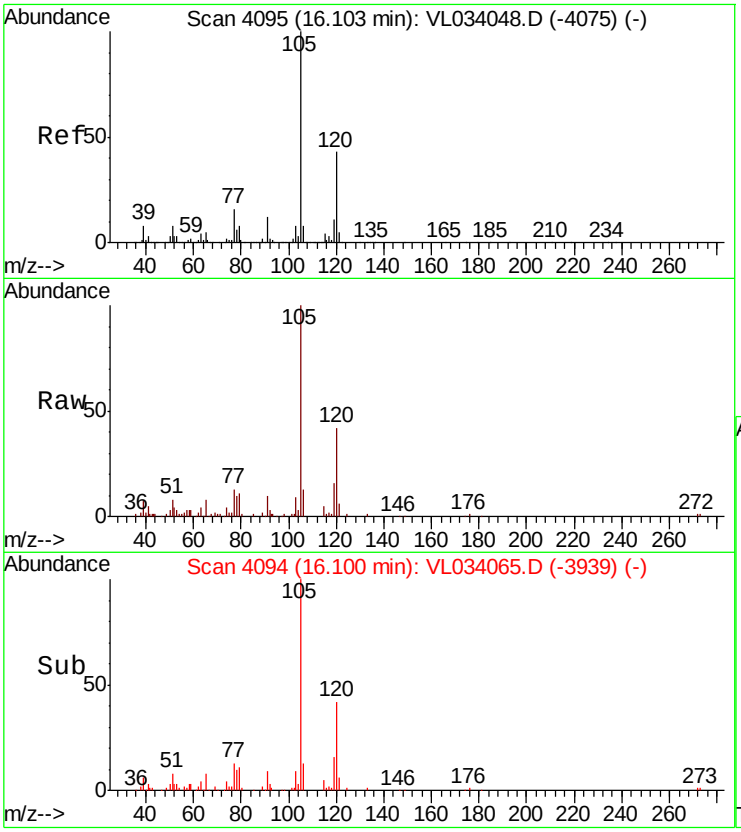


#72
4-Ethyltoluene
Concen: 0.687 ppbv
RT: 15.94 min Scan# 4045
Delta R.T. -0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion:105 Resp: 301168

Ion	Ratio	Lower	Upper
105	100		
120	31.8	23.0	34.4
91	15.4	10.6	16.0
77	13.4	11.5	17.3



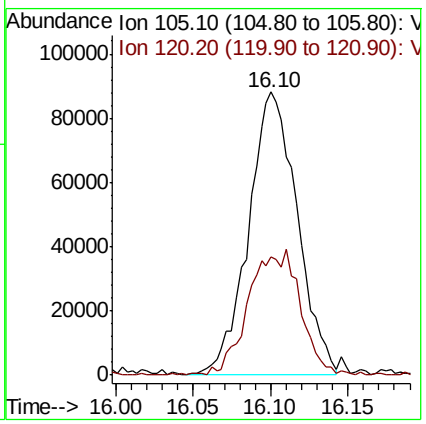


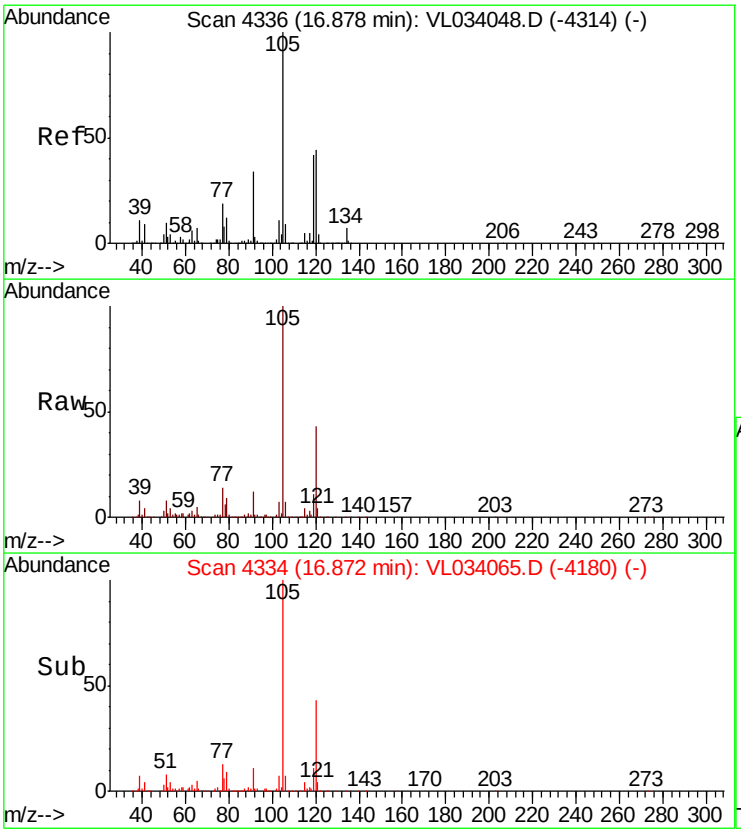
#73
1,3,5-Trimethylbenzene
Concen: 0.432 ppbv
RT: 16.10 min Scan# 4094
Delta R.T. -0.00 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 192465

Ion	Ratio	Lower	Upper
105	100		
120	41.5	34.7	52.1





#74
1,2,4-Trimethylbenzene
Concen: 0.750 ppbv
RT: 16.87 min Scan# 4334
Delta R.T. -0.01 min
Lab File: VL034065.D
Acq: 30 Jul 2019 14:50

Tgt Ion:105 Resp: 367430

Ion	Ratio	Lower	Upper
105	100		
120	43.1	35.6	53.4
91	10.9	28.0	42.0#
77	13.2	15.2	22.8#