Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051920\
Data File : VL035068.D
Acq On : 20 May 2020 6:41
Operator : SY/AP
Sample : L2712-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 20 08:13:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1113227	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.16	114	2552612	10.00	ppbv		-0.03
55) Chlorobenzene-d5	12.09	117	2524484	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2202983	10.78	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.00	85	10190	0.064	ppbv		93
3) Chlorodifluoromethane	2.94	51	16746	0.132	ppbv	#	82
4) Chloromethane	3.09	50	2668	0.037	ppbv	#	81
9) Propene	2.96	41	18901	0.343	ppbv		89
10) Heptane	8.11	43	8135	0.059	ppbv	#	1
11) Trichlorofluoromethane	3.91	101	6129	0.038	ppbv	#	43
13) Ethanol	3.56	45	5639	0.310	ppbv	#	37
15) Acetone	3.80	43	2581113	17.538	ppbv		95
16) 1,3-Butadiene	3.26	39	101315	1.600	ppbv	#	18
17) tert-Butyl alcohol	4.26	59	116016	0.886	ppbv		97
19) Isopropyl Alcohol	3.93	45	41075	0.419	ppbv	#	94
20) Methylene Chloride	4.31	84	18411	0.378	ppbv		84
23) Vinyl Acetate	5.04	43	8943	0.048	ppbv	#	87
25) Ethyl Acetate	5.65	43	13595	0.055	ppbv	#	78
26) Hexane	5.66	57	9194	0.086	ppbv	#	1
29) Chloroform	5.73	83	13242	0.076	ppbv		84
34) 2-Butanone	5.22	43	240186	1.514	ppbv		100
39) 1,2-Dichloropropane	7.16	63	701817	8.319	ppbv	#	26
51) 2-Hexanone	10.14	43	41991	0.237	ppbv	#	29
53) Toluene	9.80	91	41160	0.184	ppbv	#	40
58) Ethyl Benzene	12.72	91	30017	0.096	ppbv		99
59) m/p-Xylene	13.01	91	8523	0.031	ppbv	#	8
60) o-Xylene	13.70	91	23566	0.087	ppbv	#	32
72) 4-Ethyltoluene	15.85	105	11584	0.038	ppbv	#	1
74) 1,2,4-Trimethylbenzene	16.77	105	18307	0.057	ppbv	#	73

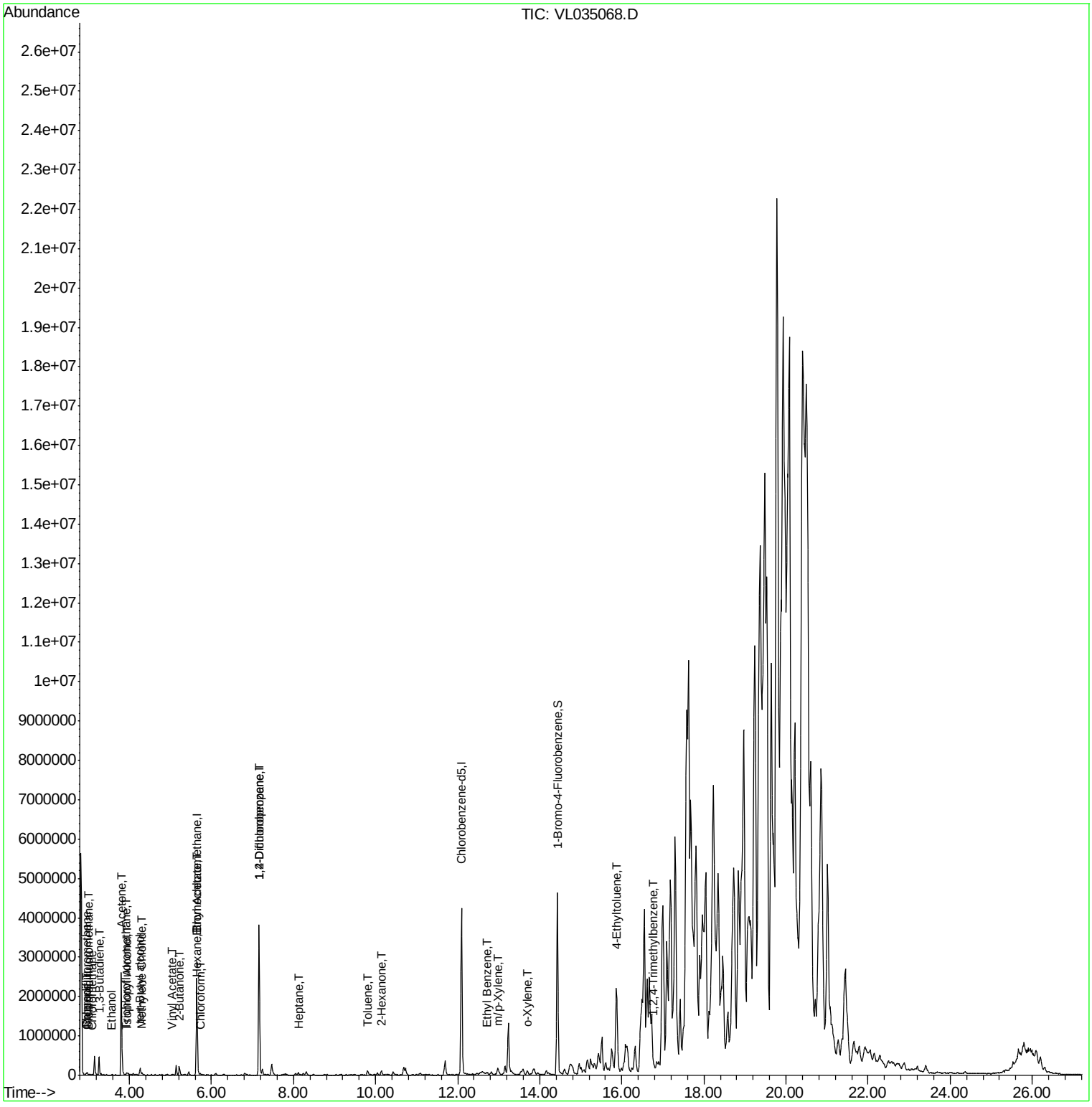
(#) = qualifier out of range (m) = manual integration (+) = signals summed

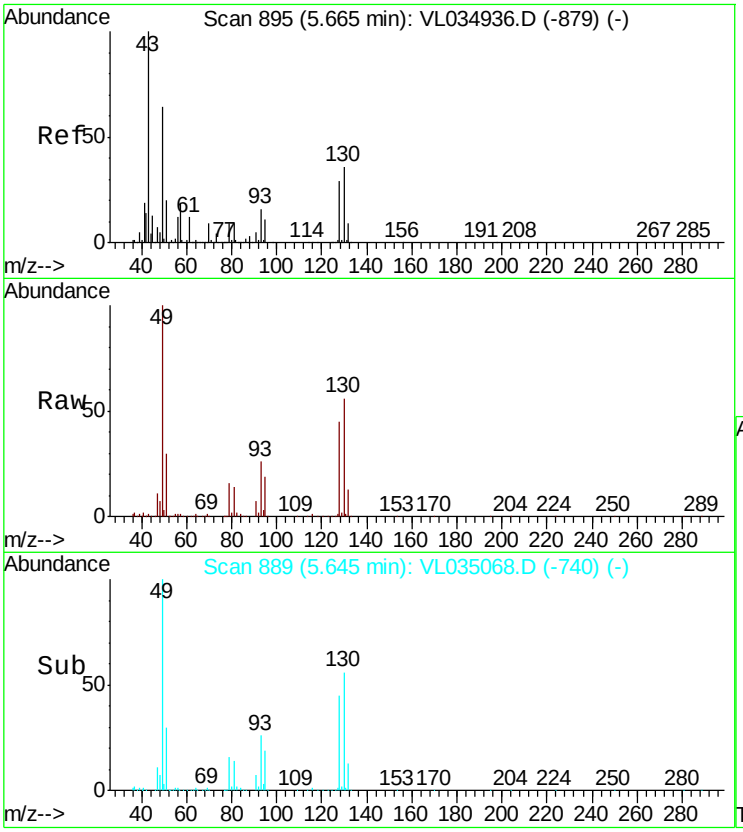
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051920\
Data File : VL035068.D
Acq On : 20 May 2020 6:41
Operator : SY/AP
Sample : L2712-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 20 08:13:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration



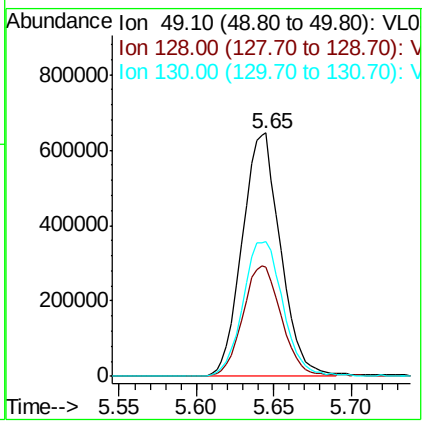


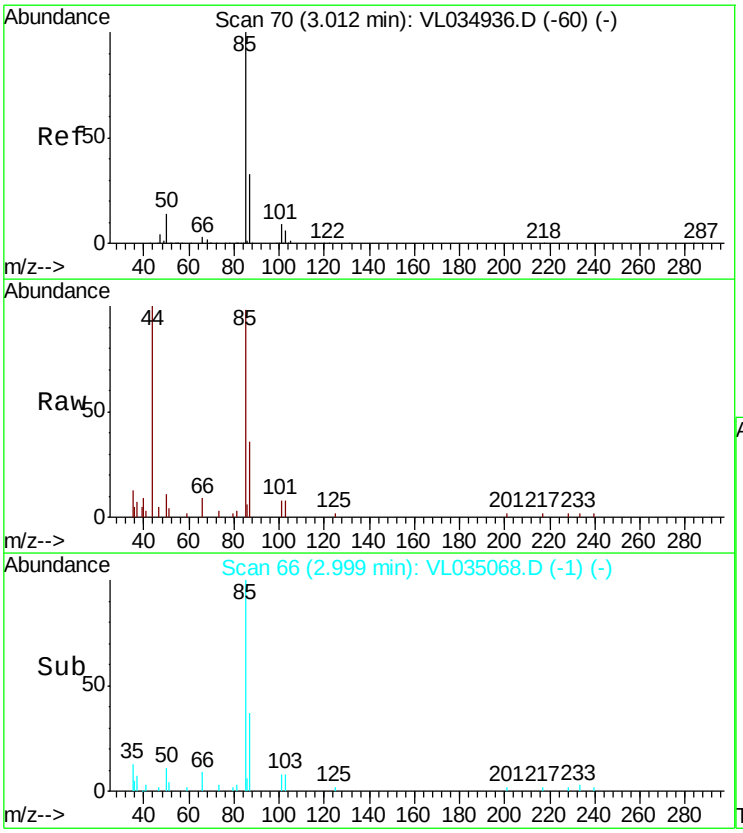
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1113227

Ion	Ratio	Lower	Upper
49	100		
128	46.6	22.1	66.5
130	58.2	29.1	87.3

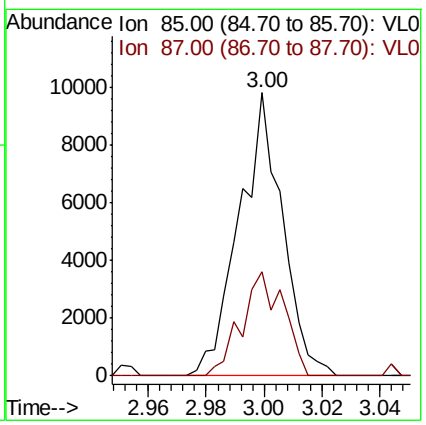


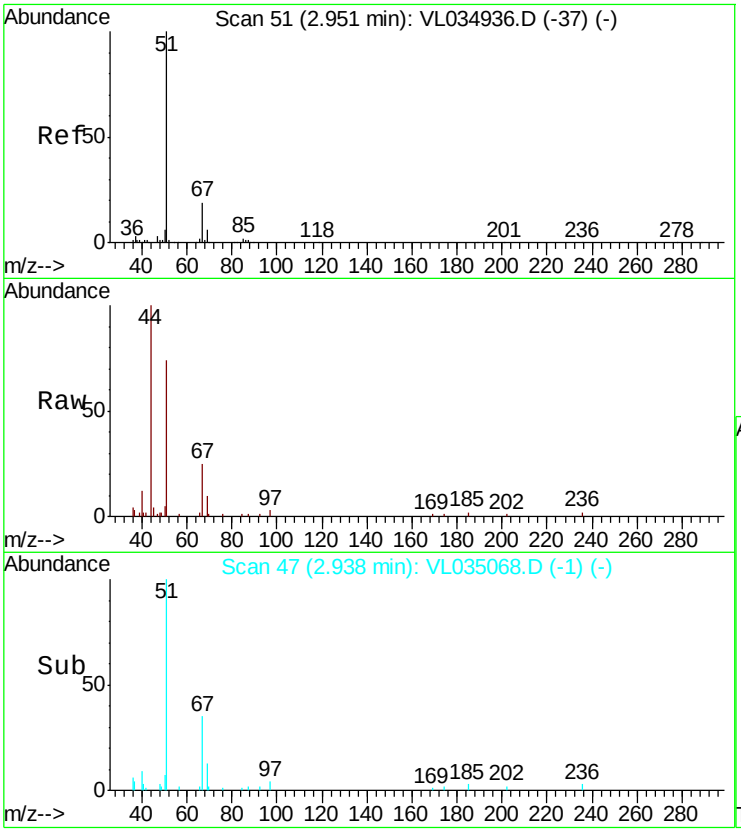


#2
Dichlorodifluoromethane
Concen: 0.064 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 85 Resp: 10190

Ion	Ratio	Lower	Upper
85	100		
87	36.6	26.2	39.2



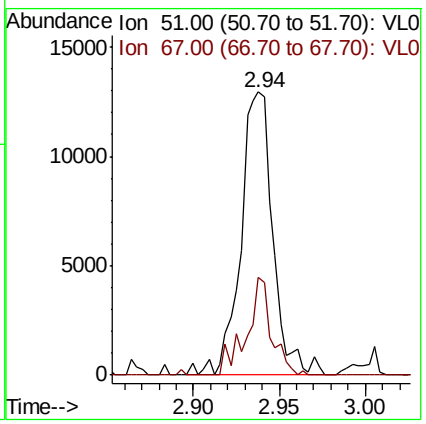


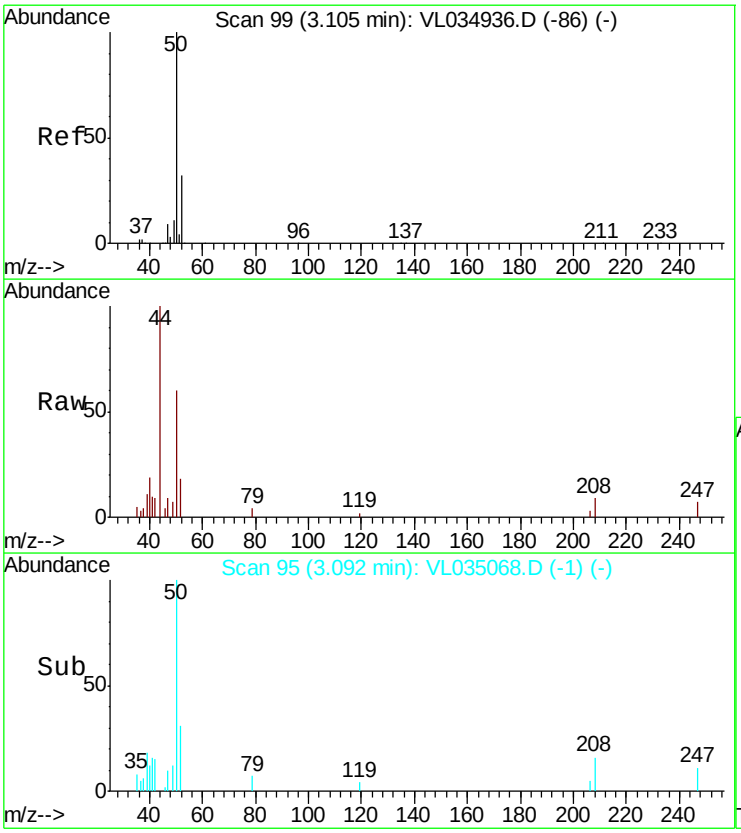
#3
Chlorodifluoromethane
Concen: 0.132 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.01 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 16746

Ion	Ratio	Lower	Upper
51	100		
67	26.7	15.0	22.6#

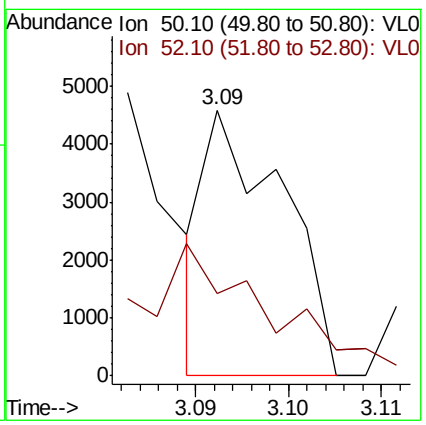


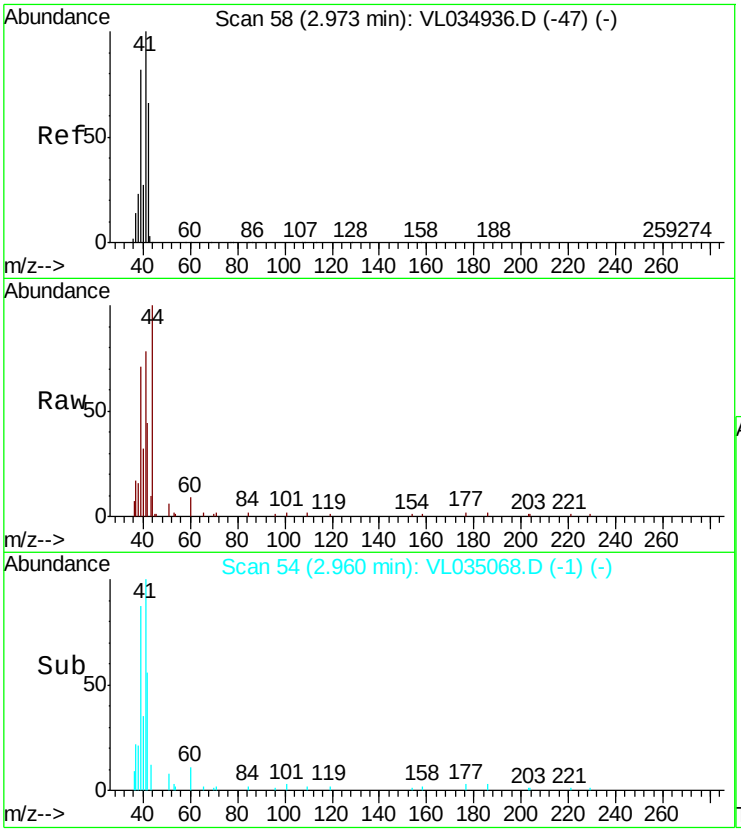


#4
Chloromethane
Concen: 0.037 ppbv
RT: 3.09 min Scan# 95
Delta R.T. -0.01 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 50 Resp: 2668

Ion	Ratio	Lower	Upper
50	100		
52	21.2	25.4	38.2#

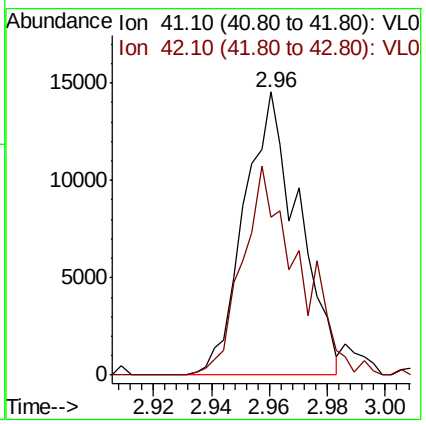




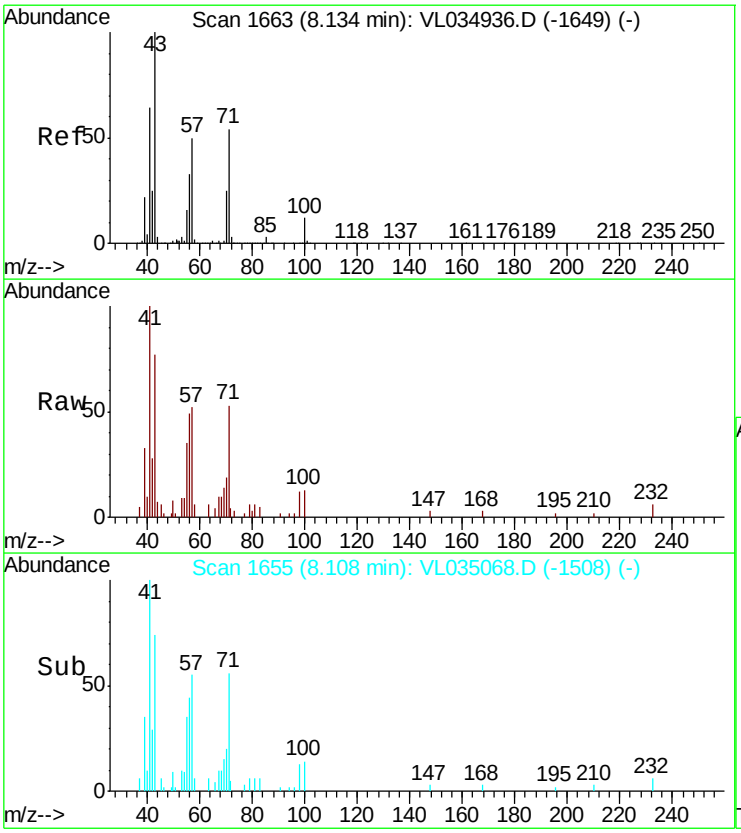
#9
Propene
Concen: 0.343 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.01 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 41 Resp: 18901

Ion	Ratio	Lower	Upper
41	100		
42	76.9	54.5	81.7



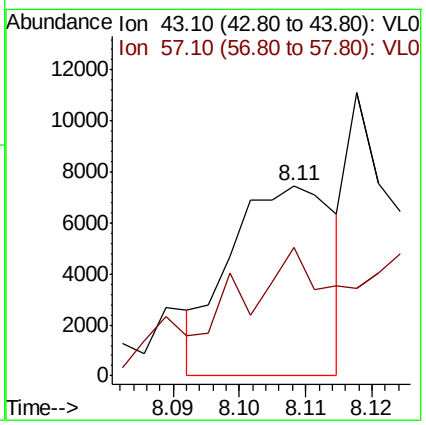
Instrument :
MSVOA_L
ClientSampleId :

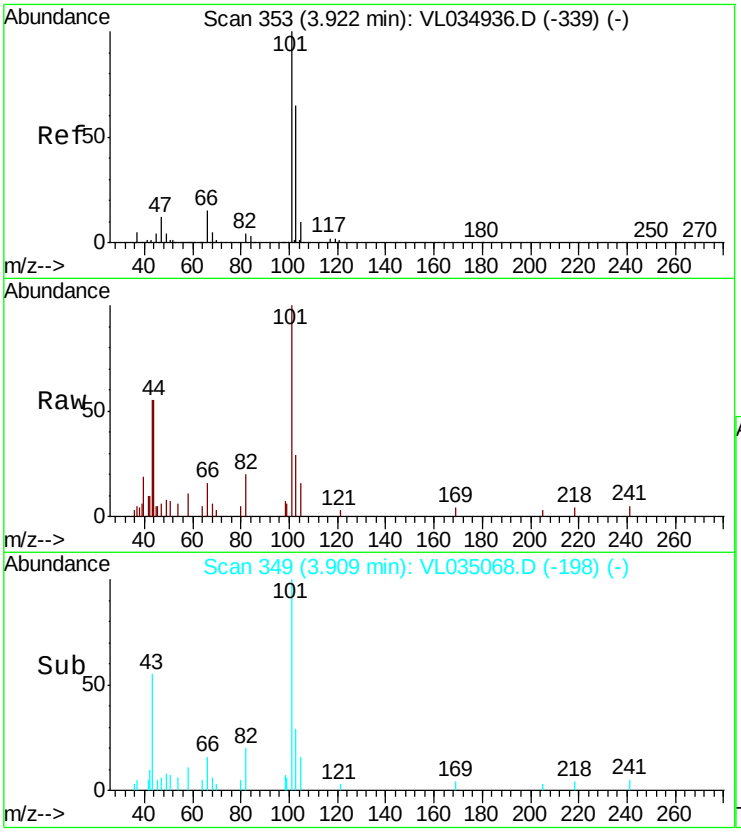


#10
Heptane
Concen: 0.059 ppbv
RT: 8.11 min Scan# 1655
Delta R.T. -0.03 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 43 Resp: 8135

Ion	Ratio	Lower	Upper
43	100		
57	129.4	41.1	61.7#



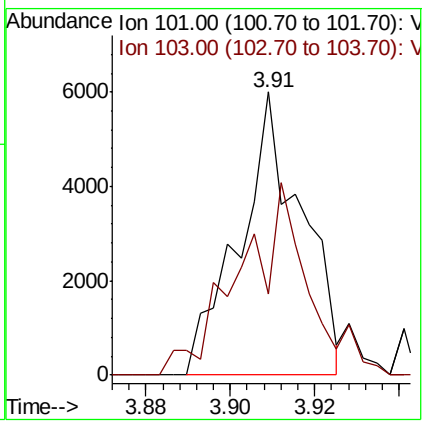


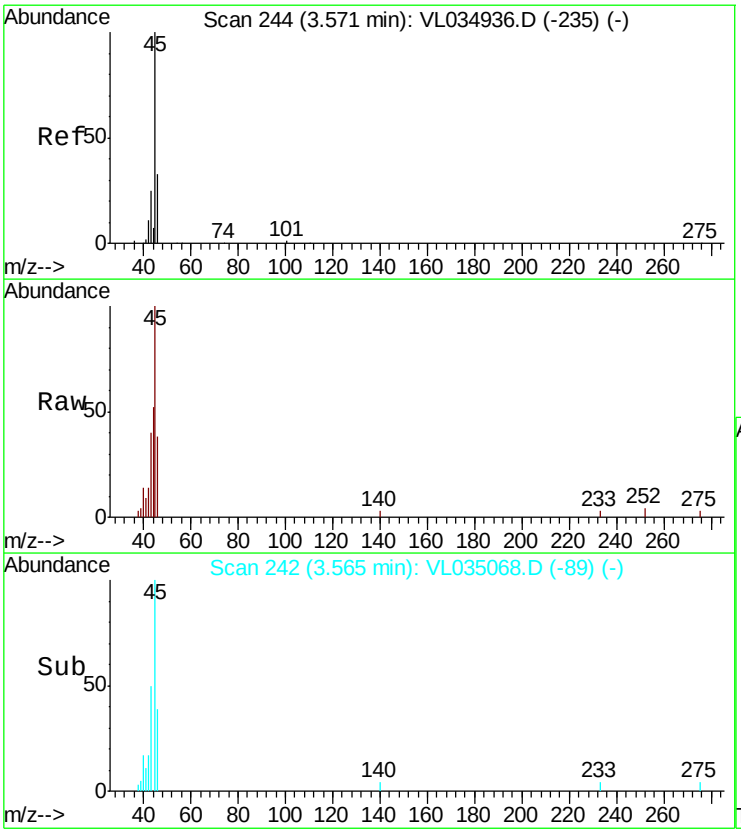
#11
Trichlorofluoromethane
Concen: 0.038 ppbv
RT: 3.91 min Scan# 349
Delta R.T. -0.01 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 6129

Ion	Ratio	Lower	Upper
101	100		
103	19.7	51.9	77.9#

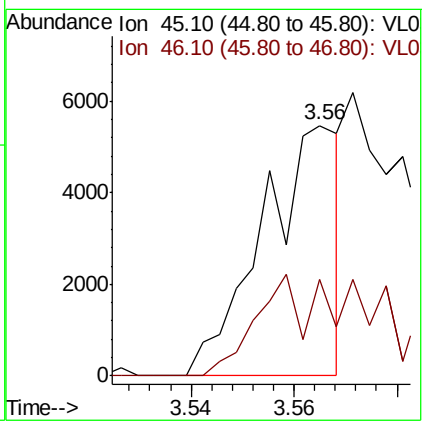


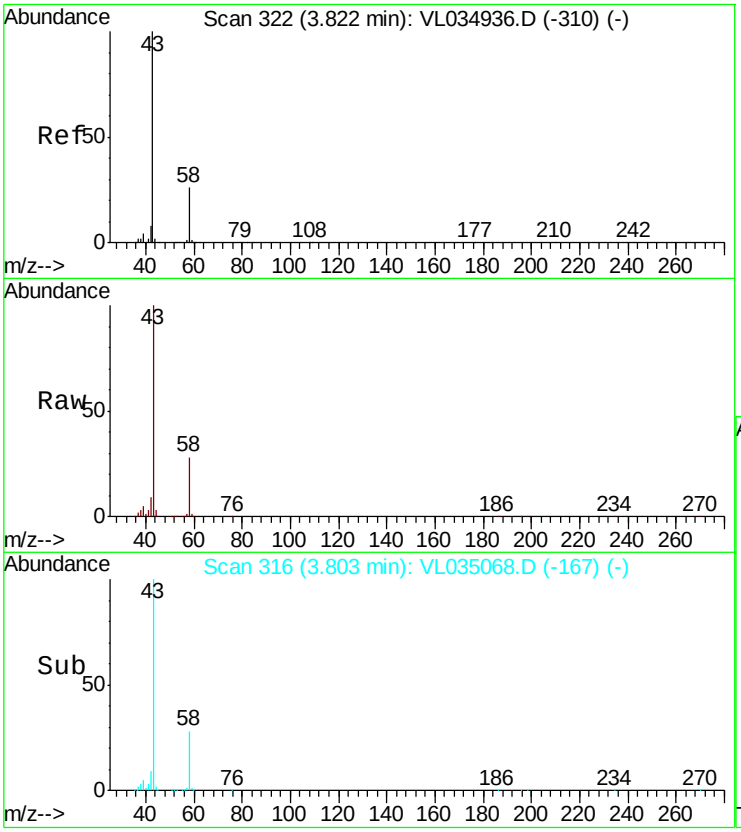


#13
Ethanol
Concen: 0.310 ppbv
RT: 3.56 min Scan# 242
Delta R.T. -0.01 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 45 Resp: 5639

Ion	Ratio	Lower	Upper
45	100		
46	73.0	14.3	57.3#



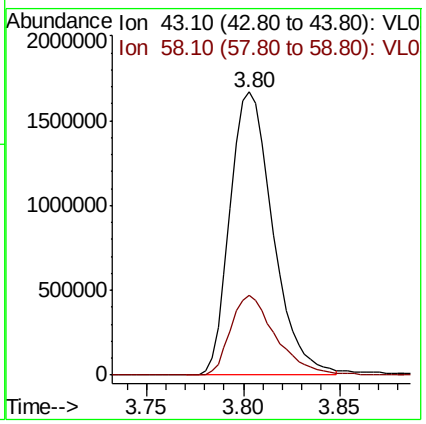


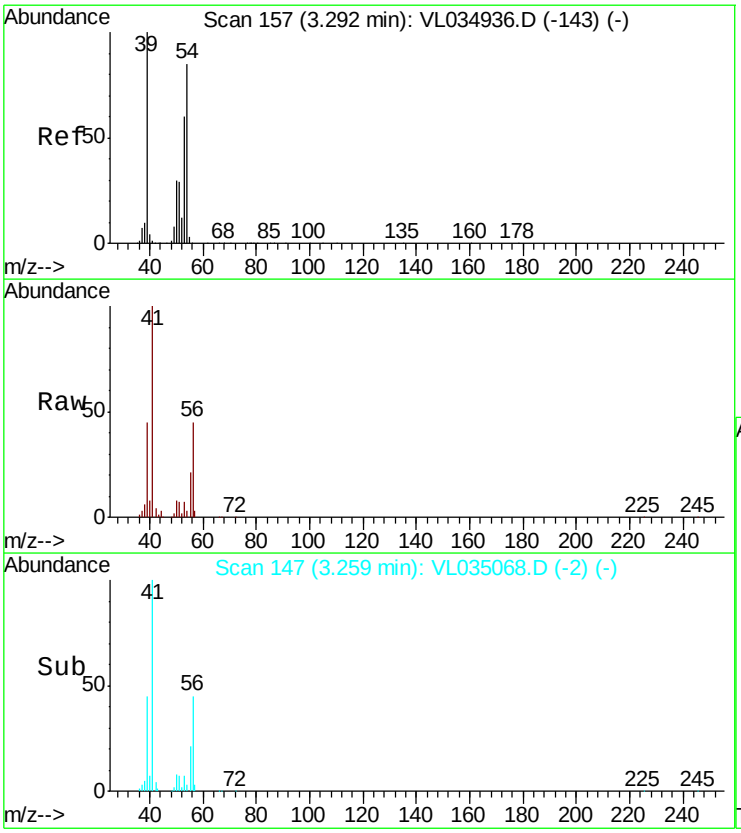
#15
Acetone
Concen: 17.538 ppbv
RT: 3.80 min Scan# 316
Delta R.T. -0.02 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2581113

Ion	Ratio	Lower	Upper
43	100		
58	29.9	21.7	32.5

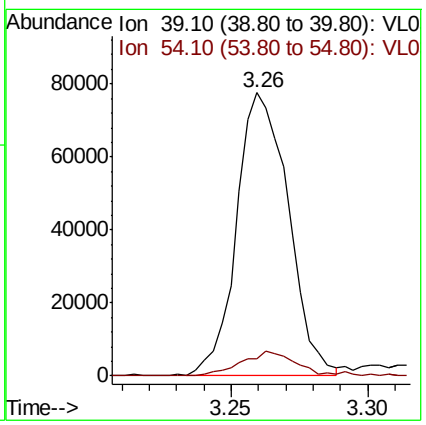


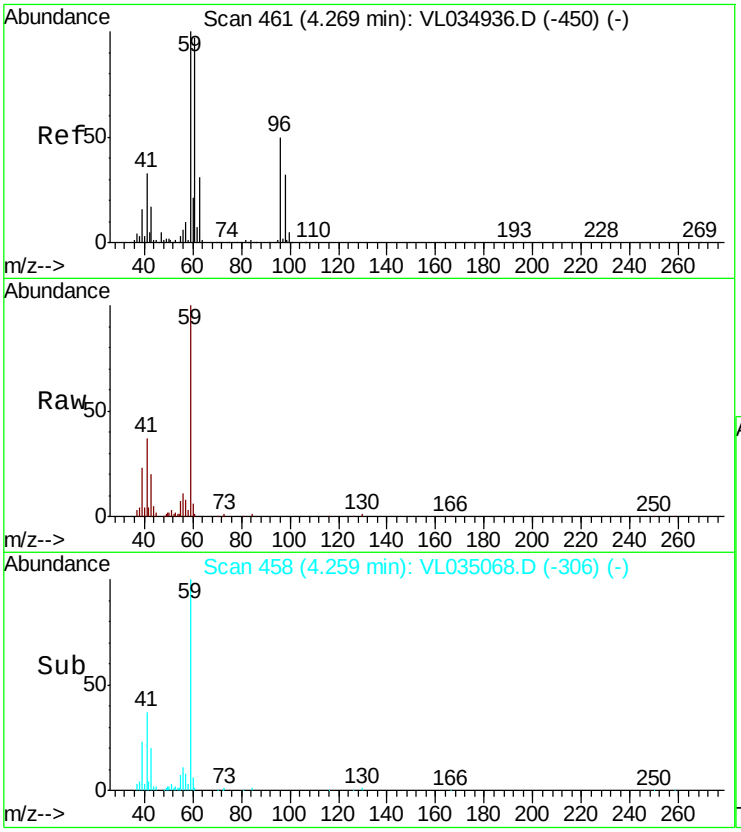


#16
1,3-Butadiene
Concen: 1.600 ppbv
RT: 3.26 min Scan# 147
Delta R.T. -0.03 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 39 Resp: 101315

Ion	Ratio	Lower	Upper
39	100		
54	9.6	66.6	100.0#

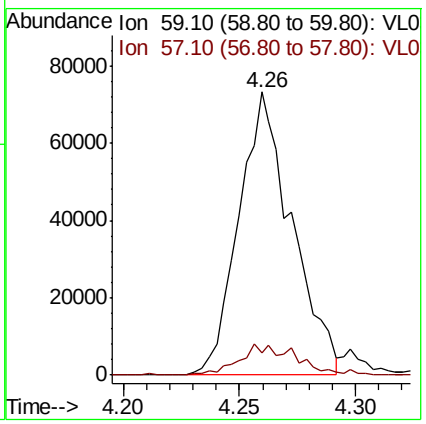




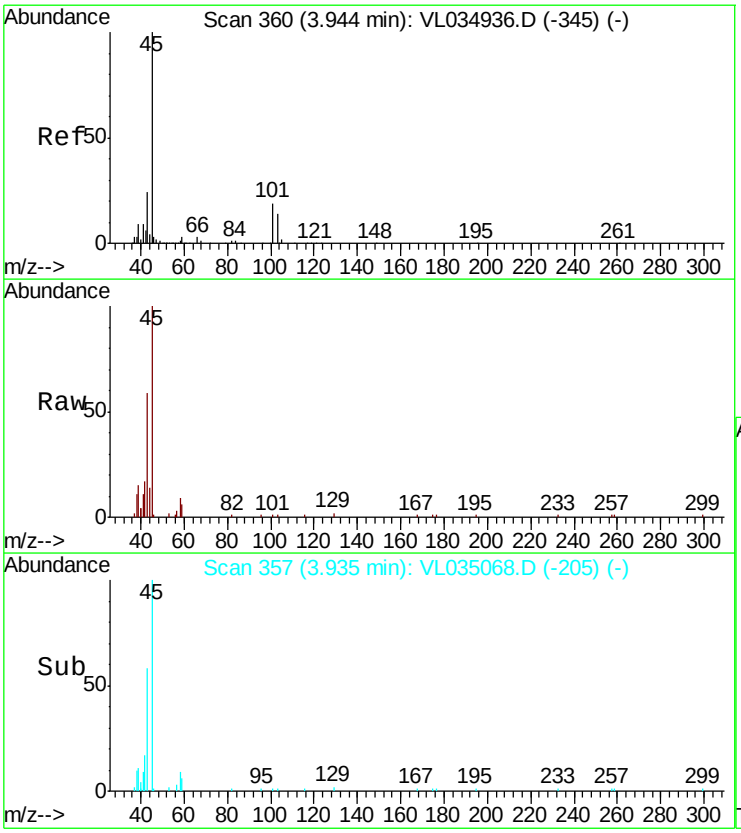
#17
tert-Butyl alcohol
Concen: 0.886 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 59 Resp: 116016

Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.7	13.1



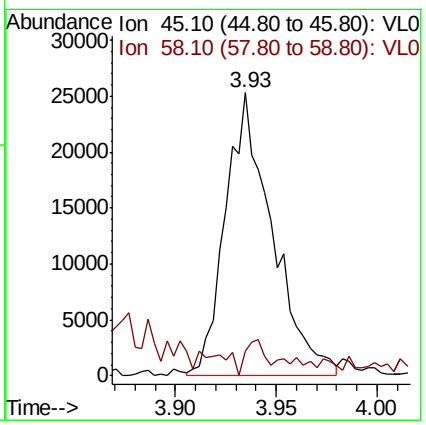
Instrument :
MSVOA_L
ClientSampleId :

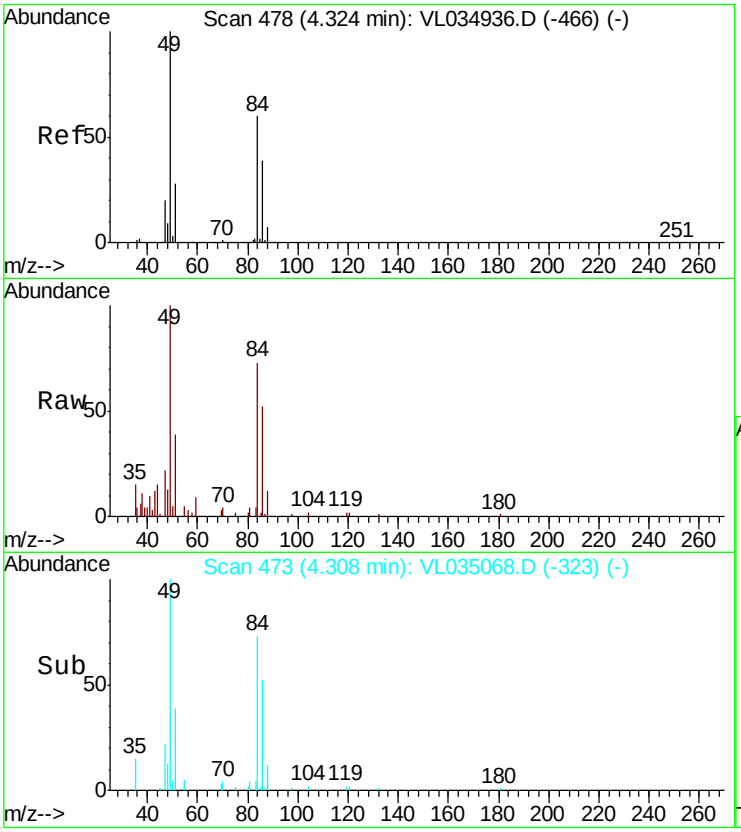


#19
Isopropyl Alcohol
Concen: 0.419 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.01 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 45 Resp: 41075

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.7	2.5#



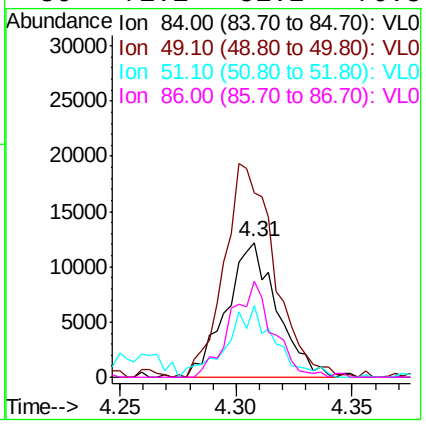


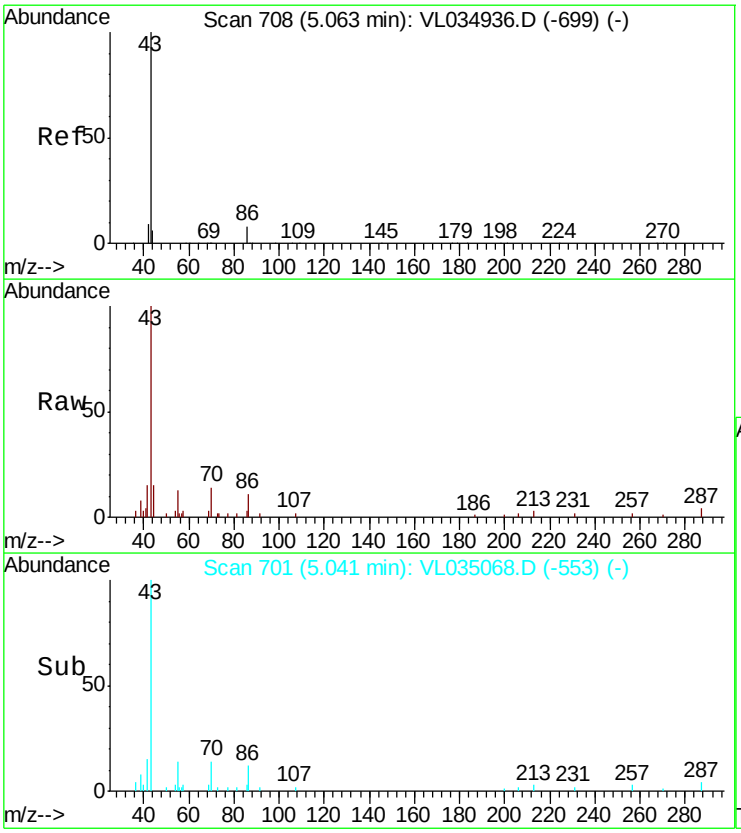
#20
Methylene Chloride
Concen: 0.378 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 18411

Ion	Ratio	Lower	Upper
84	100		
49	136.8	132.5	198.7
51	52.9	38.4	57.6
86	71.1	51.2	76.8

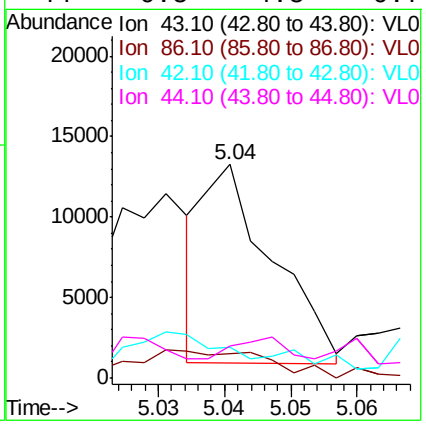


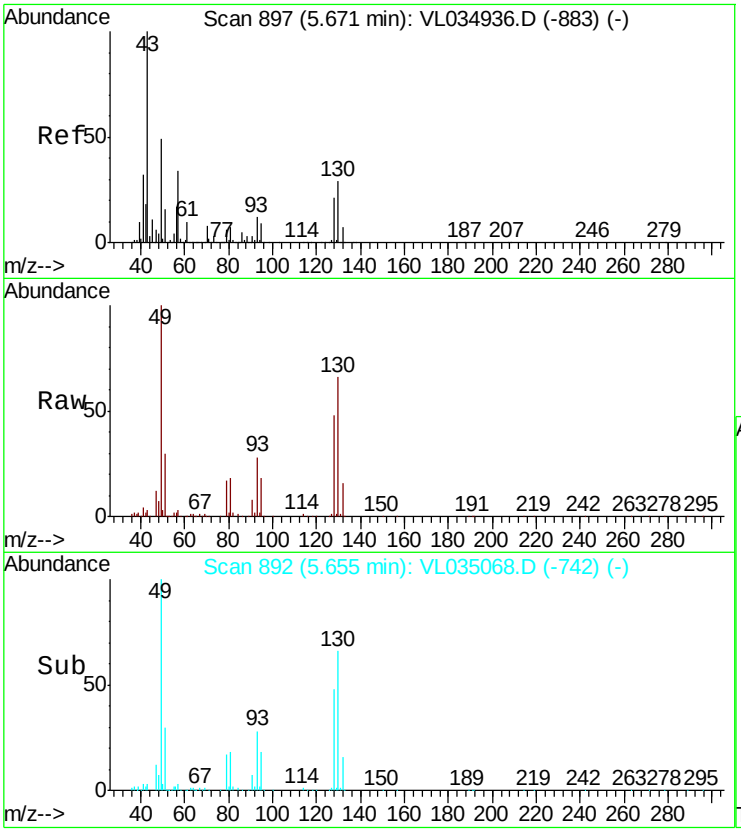


#23
Vinyl Acetate
Concen: 0.048 ppbv
RT: 5.04 min Scan# 701
Delta R.T. -0.02 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 43 Resp: 8943

Ion	Ratio	Lower	Upper
43	100		
86	12.6	5.5	8.3#
42	4.1	8.0	12.0#
44	6.5	4.5	6.7



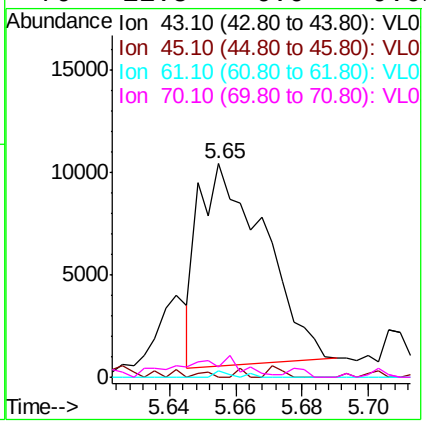


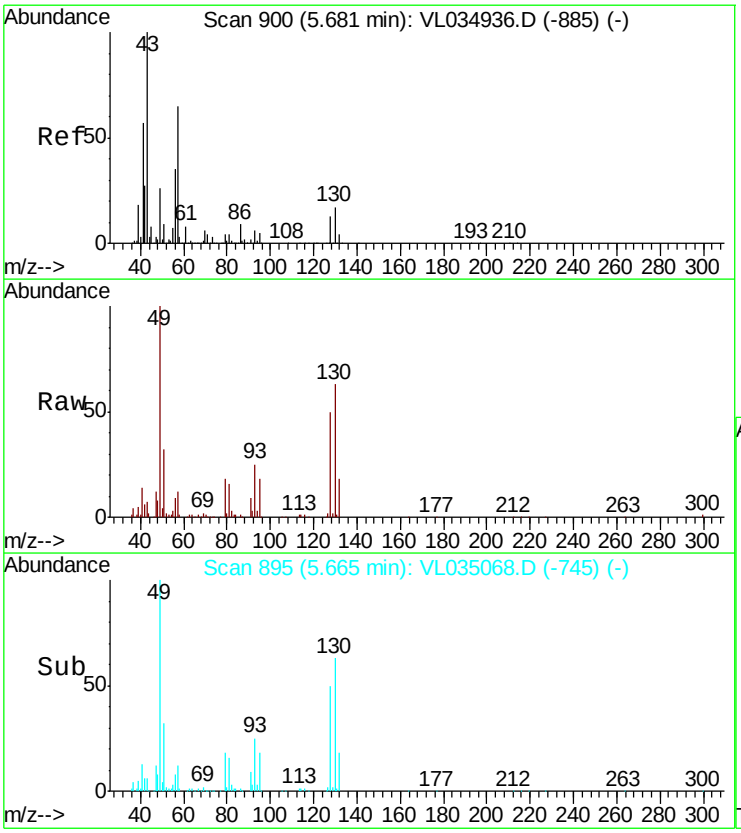
#25
Ethyl Acetate
Concen: 0.055 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 13595

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.1	12.1#
61	0.9	7.8	11.8#
70	11.5	6.0	9.0#

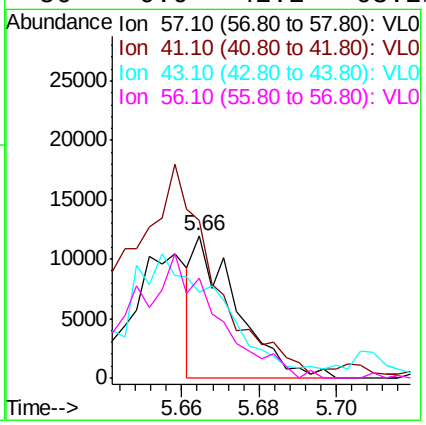


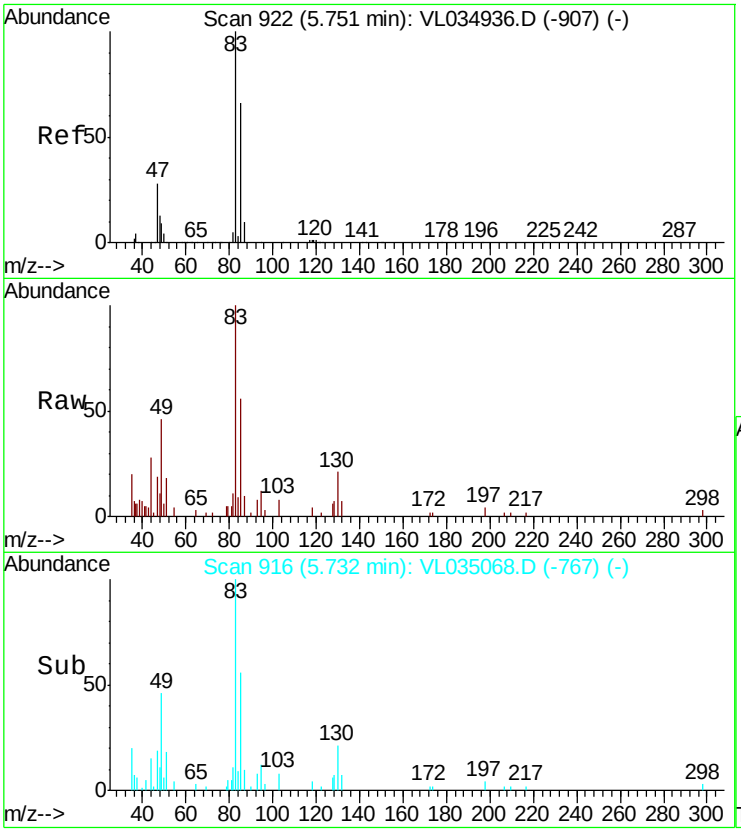


#26
Hexane
Concen: 0.086 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 57 Resp: 9194

Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.7	109.1#
43	0.0	182.1	273.1#
56	0.0	42.2	63.2#

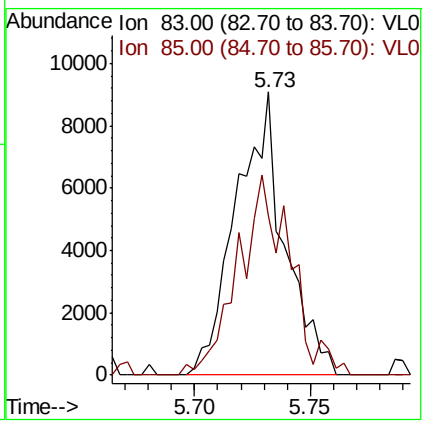




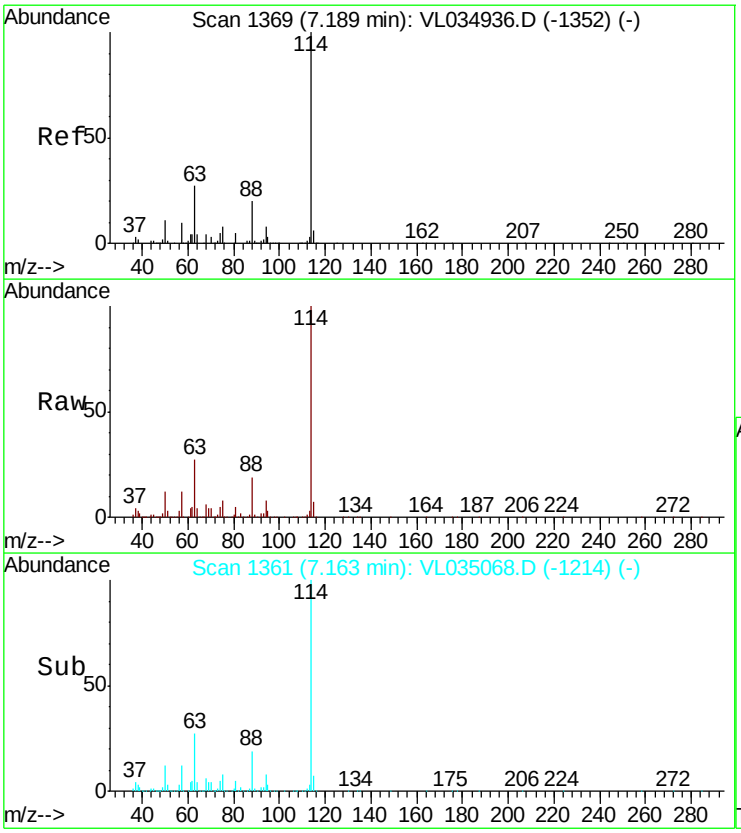
#29
Chloroform
Concen: 0.076 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 83 Resp: 13242

Ion	Ratio	Lower	Upper
83	100		
85	53.5	53.0	79.6



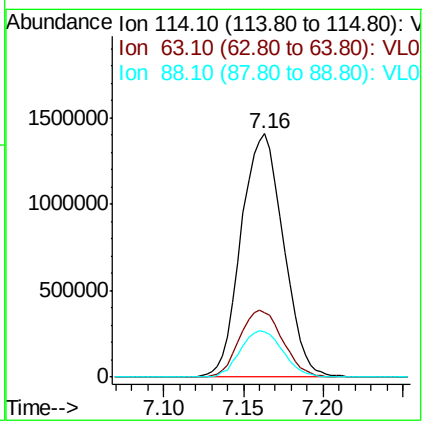
Instrument :
MSVOA_L
ClientSampleId :

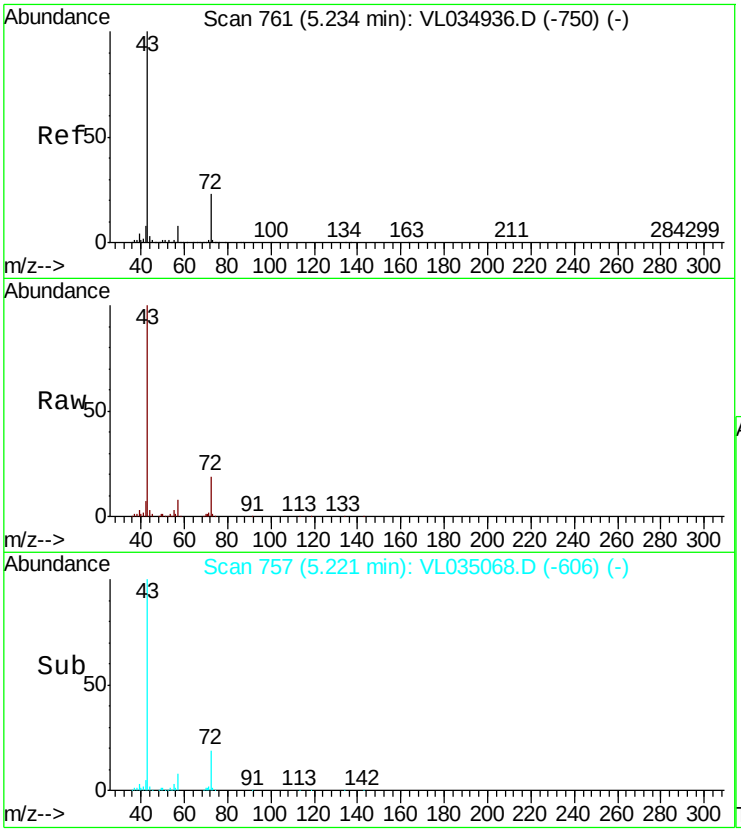


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.03 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion:114 Resp: 2552612

Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.2	33.4
88	19.2	15.5	23.3



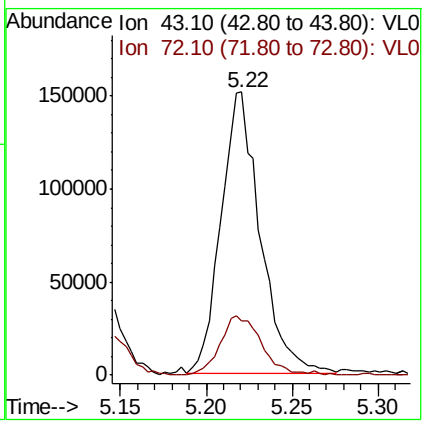


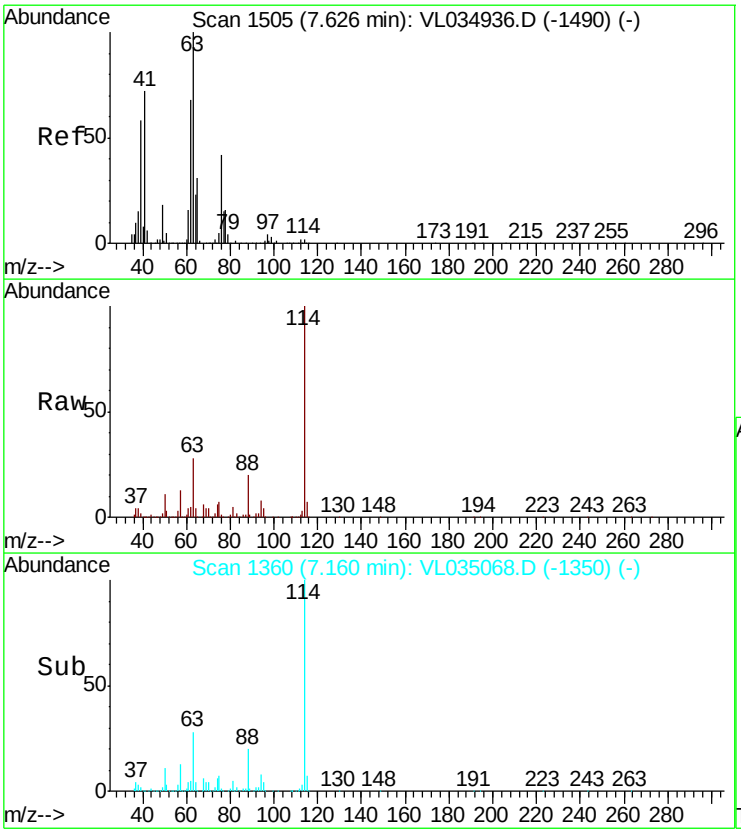
#34
2-Butanone
Concen: 1.514 ppbv
RT: 5.22 min Scan# 757
Delta R.T. -0.01 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 240186

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.0	27.0

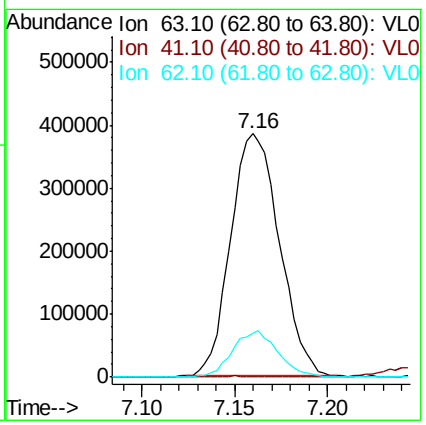


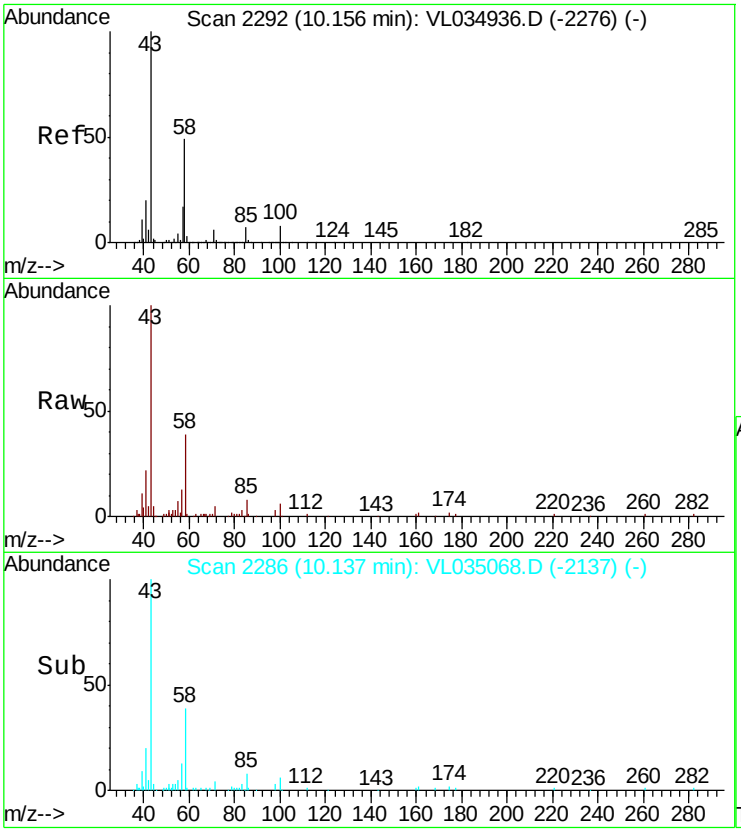


#39
1,2-Dichloropropane
Concen: 8.319 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.47 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 63 Resp: 701817

Ion	Ratio	Lower	Upper
63	100		
41	0.2	57.8	86.8#
62	18.2	54.2	81.2#



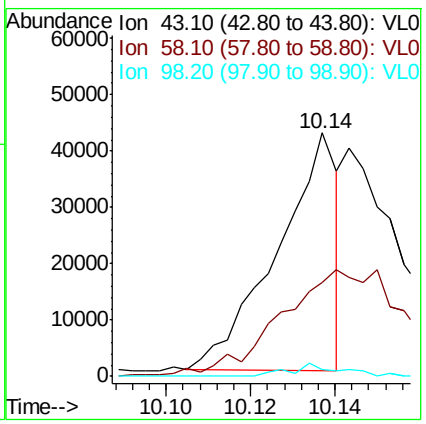


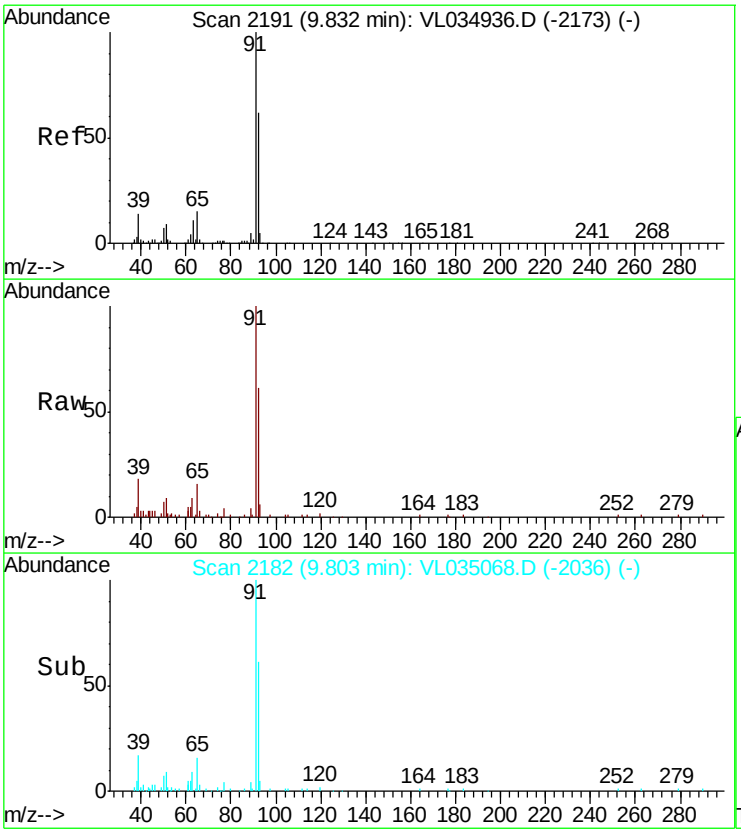
#51
2-Hexanone
Concen: 0.237 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.02 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 41991

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.1	58.7#
98	5.2	0.3	0.5#

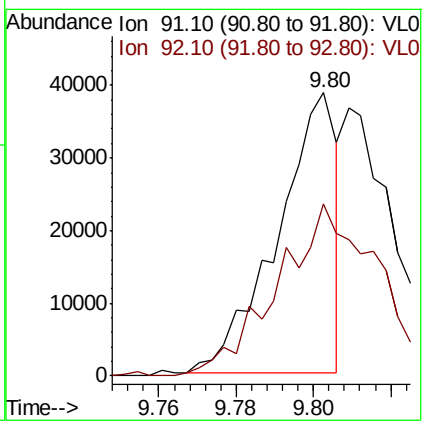


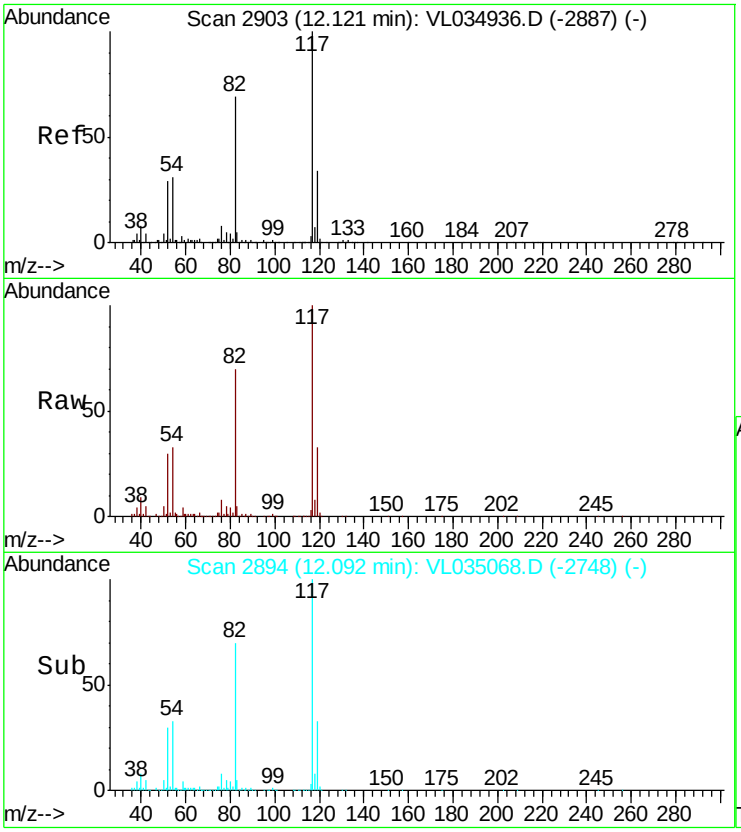


#53
Toluene
Concen: 0.184 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. -0.03 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 91 Resp: 41160

Ion	Ratio	Lower	Upper
91	100		
92	106.4	48.6	73.0#



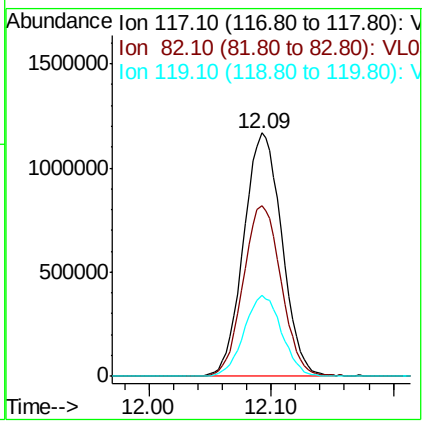


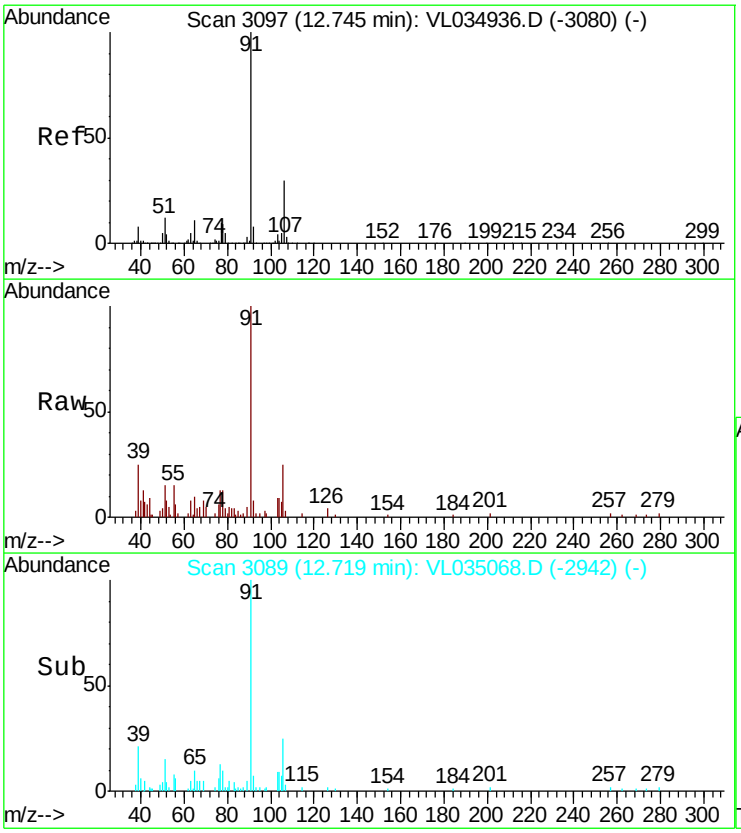
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.03 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2524484

Ion	Ratio	Lower	Upper
117	100		
82	69.9	53.1	79.7
119	32.8	26.7	40.1

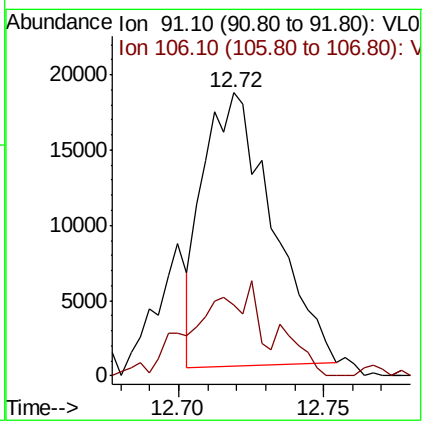


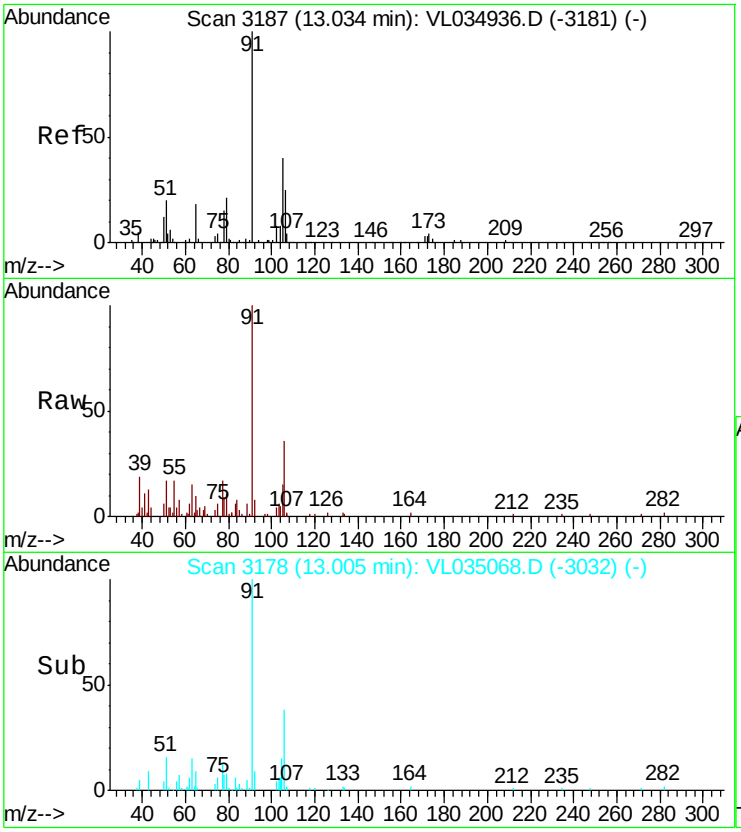


#58
Ethyl Benzene
Concen: 0.096 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.03 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 91 Resp: 30017

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.2	36.4



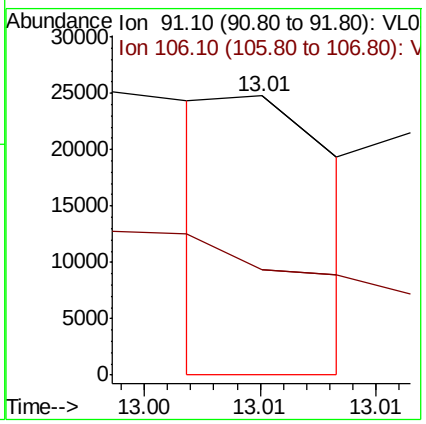


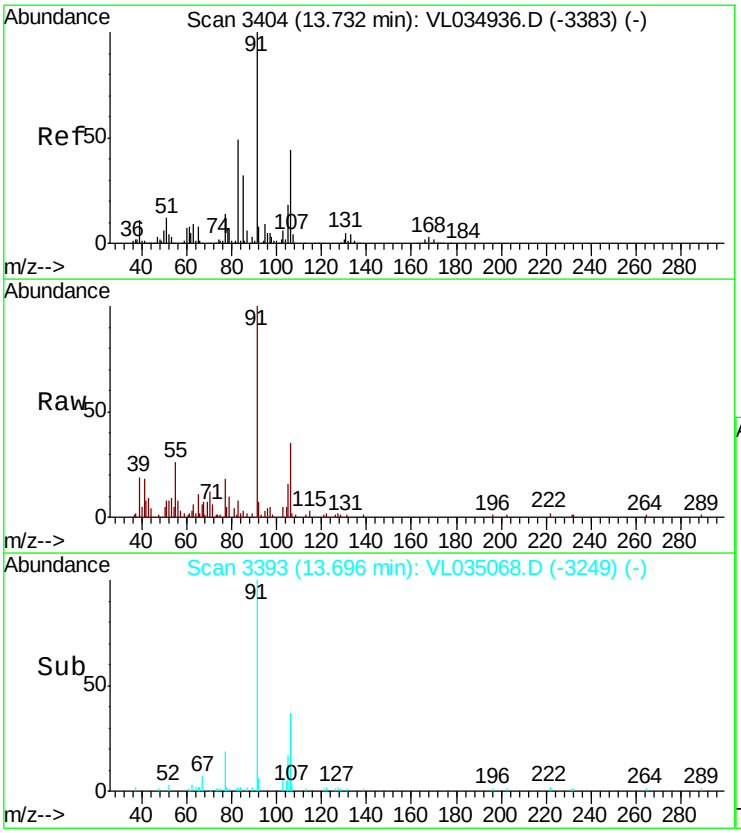
#59
m/p-Xylene
Concen: 0.031 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. -0.03 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 8523

Ion	Ratio	Lower	Upper
91	100		
106	0.0	66.0	99.0#

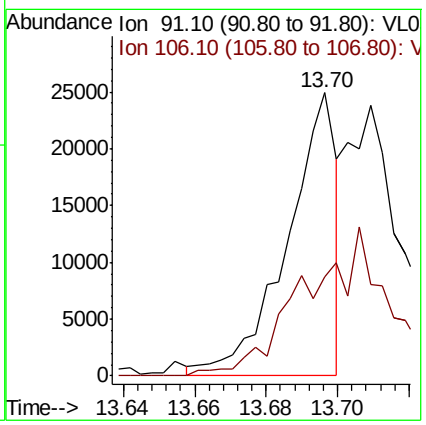


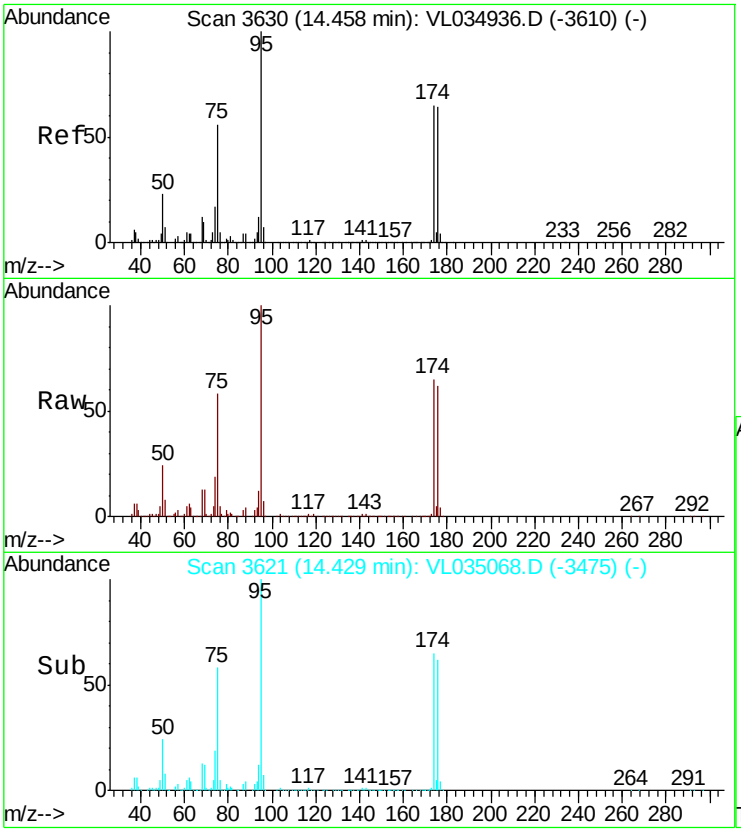


#60
o-Xylene
Concen: 0.087 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.04 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion: 91 Resp: 23566

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.5#



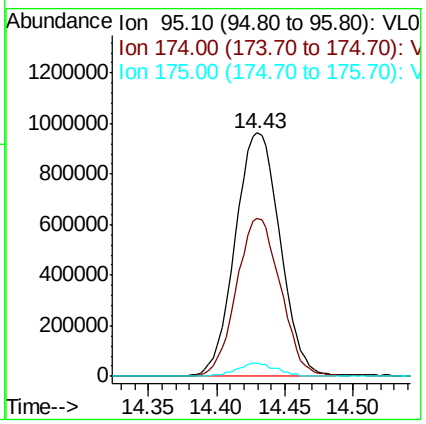


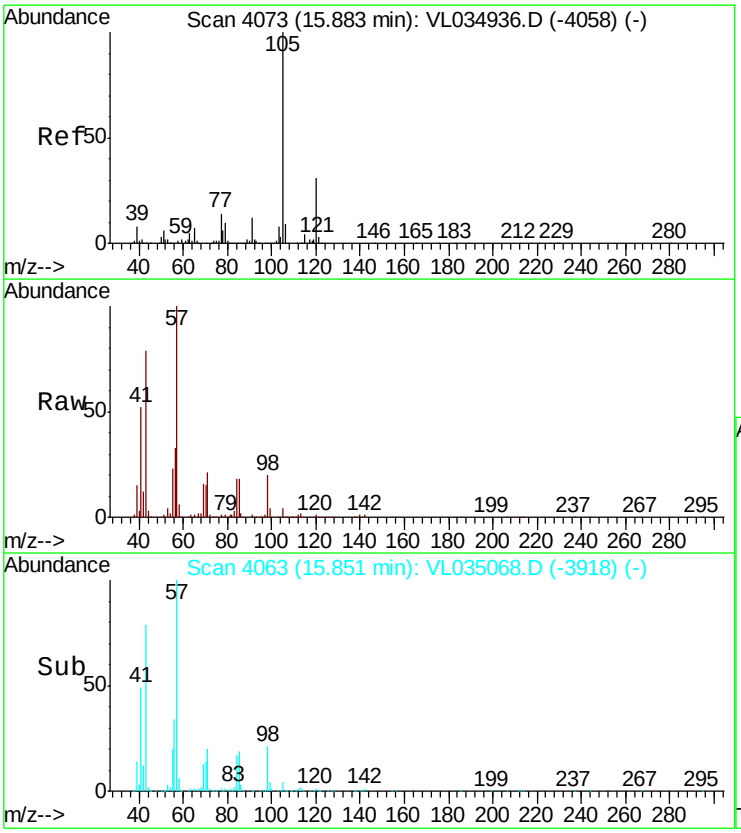
#68
1-Bromo-4-Fluorobenzene
Concen: 10.781 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.03 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2202983

Ion	Ratio	Lower	Upper
95	100		
174	64.3	51.5	77.3
175	4.9	3.8	5.8

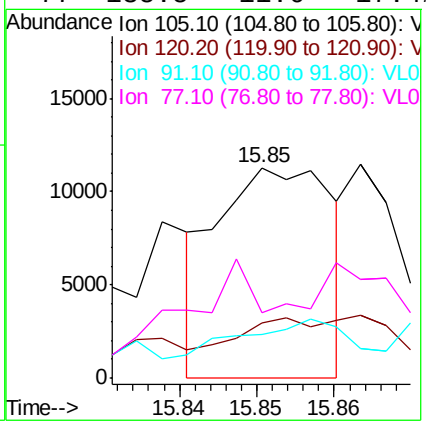


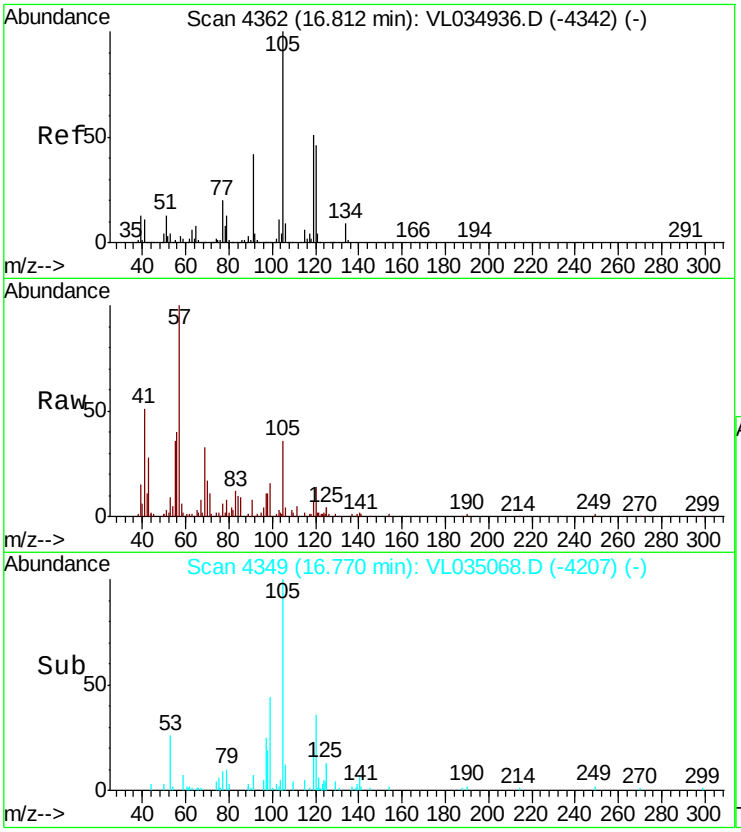


#72
4-Ethyltoluene
Concen: 0.038 ppbv
RT: 15.85 min Scan# 4063
Delta R.T. -0.03 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Tgt Ion:105 Resp: 11584

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.8	35.8#
91	0.0	10.6	15.8#
77	135.5	11.6	17.4#





#74
1,2,4-Trimethylbenzene
Concen: 0.057 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.04 min
Lab File: VL035068.D
Acq: 20 May 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 18307

Ion	Ratio	Lower	Upper
105	100		
120	43.2	36.8	55.2
91	13.0	35.4	53.0#
77	5.8	16.2	24.2#