Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090519\

Quantitation Report (Not Reviewed)

Data File : VL034121.D
Acq On : 5 Sep 2019 3:09
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Sep 05 09:54:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 09:42:59 2019
QLast Update : Thu Sep 05 09:42:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1213167	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	2242469	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2366688	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.51	95	1919383	9.92	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	453629	2.267	ppbv	96
3) Chlorodifluoromethane	2.98	51	281138	2.079	ppbv	98
4) Chloromethane	3.13	50	168835	1.997	ppbv	98
5) Vinyl Chloride	3.25	62	152005	1.974	ppbv	96
6) Bromomethane	3.48	94	77261	2.033	ppbv	93
7) Chloroethane	3.56	64	54873	2.091	ppbv #	87
8) Dichlorotetrafluoroethane	3.18	85	346396	2.151	ppbv	99
9) Propene	3.00	41	156284	2.066	ppbv	99
10) Heptane	8.18	43	416146	2.119	ppbv	97
11) Trichlorofluoromethane	3.96	101	343376	2.104	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.50	101	229823	2.105	ppbv	99
13) Ethanol	3.61	45	29964	1.750	ppbv	75
14) Bromoethene	3.74	108	99650	2.111	ppbv	98
15) Acetone	3.86	43	308661	2.111	ppbv	99
16) 1,3-Butadiene	3.32	39	157437	2.126	ppbv	97
17) tert-Butyl alcohol	4.31	59	223757	2.108	ppbv	100
18) 1,1-Dichloroethene	4.30	96	104306	2.094	ppbv	95
19) Isopropyl Alcohol	3.98	45	208347	2.118	ppbv #	99
20) Methylene Chloride	4.36	84	100401	2.077	ppbv	96
21) Allyl Chloride	4.43	41	197287	2.047	ppbv	99
22) trans-1,2-Dichloroethene	4.91	96	99383	1.991	ppbv	94
23) Vinyl Acetate	5.10	43	529029	2.133	ppbv #	96
24) 1,1-Dichloroethane	5.04	63	345826	2.101	ppbv	98
25) Ethyl Acetate	5.72	43	690783	2.154	ppbv	99
26) Hexane	5.72	57	308055	2.159	ppbv	96
27) Carbon Disulfide	4.57	76	262626	2.044	ppbv #	91
28) Methyl tert-Butyl Ether	5.07	73	450395	2.154	ppbv	98
29) Chloroform	5.79	83	400108	2.079	ppbv	98
30) Cyclohexane	7.18	84	213526	2.070	ppbv #	82
31) cis-1,2-Dichloroethene	5.59	61	290143	2.123	ppbv	95
32) 1,1,1-Trichloroethane	6.56	97	372961	2.063	ppbv	98
34) 2-Butanone	5.28	43	459517	2.131	ppbv	99
35) Carbon Tetrachloride	7.08	117	355123	2.048	ppbv	99
36) Benzene	6.95	78	552944	2.157	ppbv	97
37) 1,2-Dichloroethane	6.35	62	326202	2.077	ppbv	99
38) Trichloroethene	7.89	130	93682	0.988	ppbv	96
39) 1,2-Dichloropropane	7.68	63	229678	2.093	ppbv	93
40) 1,4-Dioxane	7.90	88	45301	1.119	ppbv #	1
41) Tetrahydrofuran	6.10	42	273584	2.126	ppbv	99
42) Bromodichloromethane	7.85	83	439033	2.142	ppbv	95
43) Methyl Methacrylate	8.07	69	229257	2.171	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090519\

Quantitation Report (Not Reviewed)

Data File : VL034121.D
Acq On : 5 Sep 2019 3:09
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Sep 05 09:54:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 09:42:59 2019
QLast Update : Thu Sep 05 09:42:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.93	57	1059993	2.243	ppbv		96
45) t-1,3-Dichloropropene	9.35	75	270461	2.182	ppbv		91
46) cis-1,3-Dichloropropene	8.77	75	330758	2.191	ppbv		95
47) 1,1,2-Trichloroethane	9.55	97	214385	2.148	ppbv		92
48) Dibromochloromethane	10.39	129	325051	2.180	ppbv		98
49) Bromoform	13.13	173	294276	2.254	ppbv		97
50) 4-Methyl-2-Pentanone	8.81	43	723042	2.198	ppbv		98
51) 2-Hexanone	10.21	43	640137	2.274	ppbv	#	99
52) Tetrachloroethene	11.31	164	182283	2.032	ppbv		93
53) Toluene	9.88	91	614285	2.167	ppbv		98
54) 1,2-Dibromoethane	10.70	107	323689	2.180	ppbv		90
56) 1,1,1,2-Tetrachloroethane	12.21	131	224229	2.209	ppbv	#	1
57) Chlorobenzene	12.23	112	445754	2.189	ppbv	#	95
58) Ethyl Benzene	12.80	91	867879	2.239	ppbv		95
59) m/p-Xylene	13.08	91	650851	2.061	ppbv	#	25
60) o-Xylene	13.78	91	692055	2.195	ppbv		100
61) Styrene	13.62	104	523483	2.222	ppbv		98
62) Isopropylbenzene	14.76	105	907426	2.213	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.77	83	514309	1.994	ppbv		98
64) n-propylbenzene	15.65	120	230558	2.211	ppbv		84
65) tert-Butylbenzene	16.84	119	454021	1.285	ppbv	#	15
66) Benzyl Chloride	17.09	91	292165	2.244	ppbv		96
67) sec-Butylbenzene	17.39	105	1165080	2.289	ppbv		97
69) p-Isopropyltoluene	17.75	119	932925	2.295	ppbv		98
70) n-Butylbenzene	18.64	91	1066298	2.300	ppbv		97
71) 2-Chlorotoluene	15.55	91	751837	2.243	ppbv		98
72) 4-Ethyltoluene	15.93	105	799701	2.248	ppbv		98
73) 1,3,5-Trimethylbenzene	16.09	105	783045	2.265	ppbv		99
74) 1,2,4-Trimethylbenzene	16.86	105	817009	2.295	ppbv		92
75) 1,3-Dichlorobenzene	17.09	146	421047	2.233	ppbv		99
76) 1,4-Dichlorobenzene	17.24	146	427733	2.151	ppbv		99
77) 1,2-Dichlorobenzene	17.92	146	426292	2.212	ppbv		98
78) Hexachloro-1,3-Butadiene	23.47	225	153347	1.167	ppbv	#	19
79) Naphthalene	22.33	128	744619	2.315	ppbv		99
80) Naphthalene,2-methyl-	25.06	142	201398	1.803	ppbv		96
81) 1,2,4-Trichlorobenzene	22.05	180	255038	1.456	ppbv	#	47

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

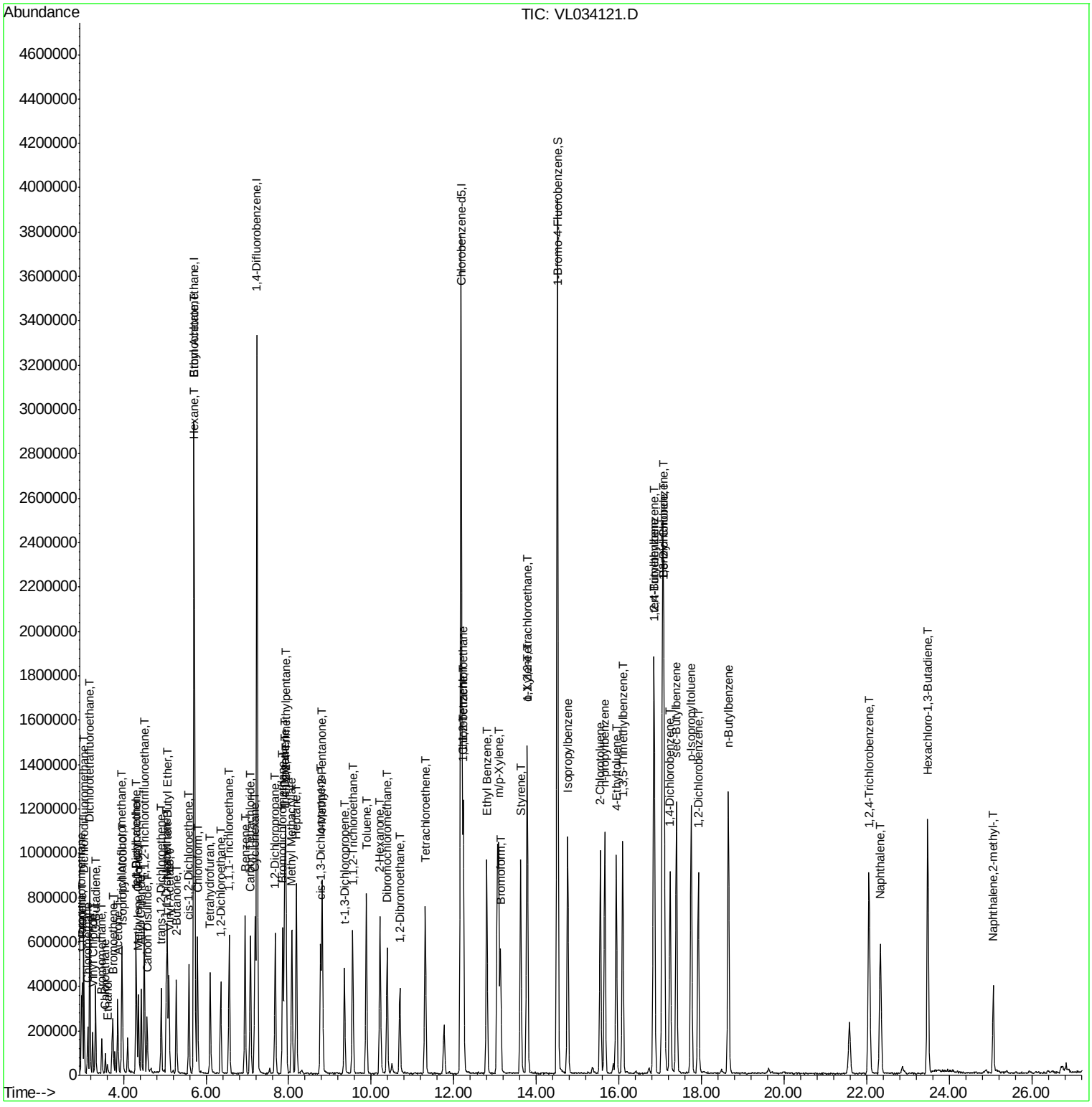
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090519\

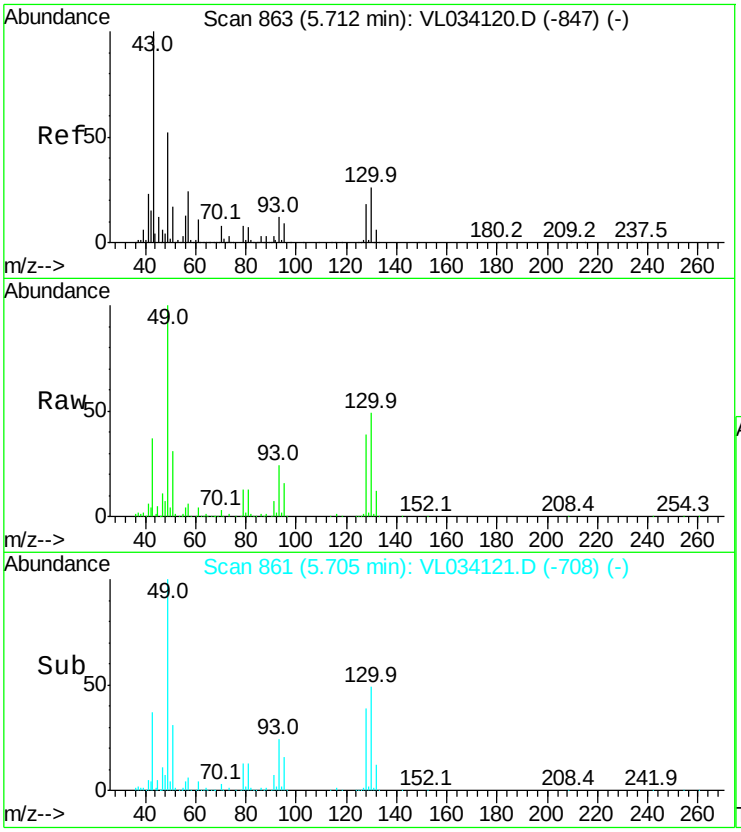
Quantitation Report (Not Reviewed)

Data File : VL034121.D
Acq On : 5 Sep 2019 3:09
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Sep 05 09:54:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 09:42:59 2019
QLast Update : Thu Sep 05 09:42:59 2019
Response via : Initial Calibration



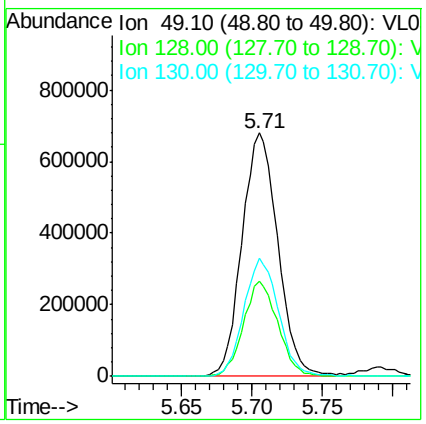


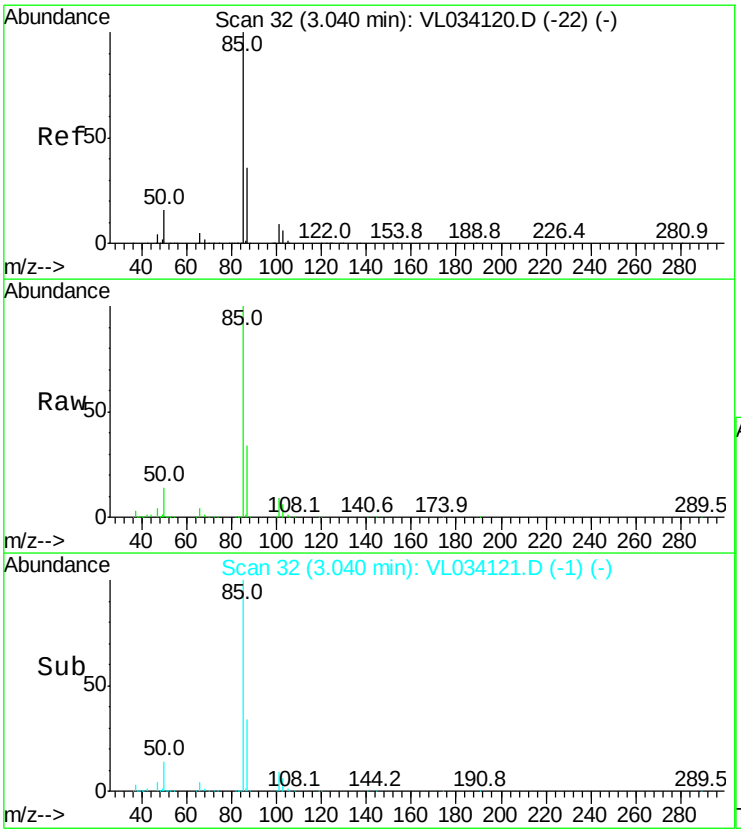
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.71 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 1213167

Ion	Ratio	Lower	Upper
49	100		
128	37.7	18.4	55.0
130	47.2	23.5	70.6

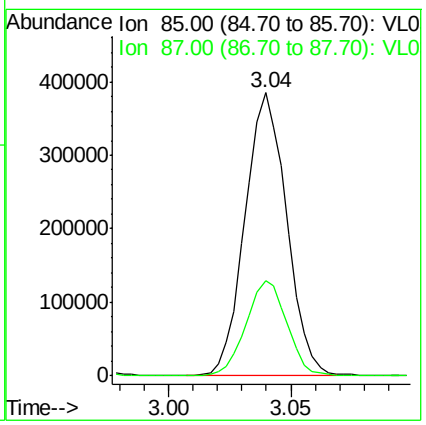


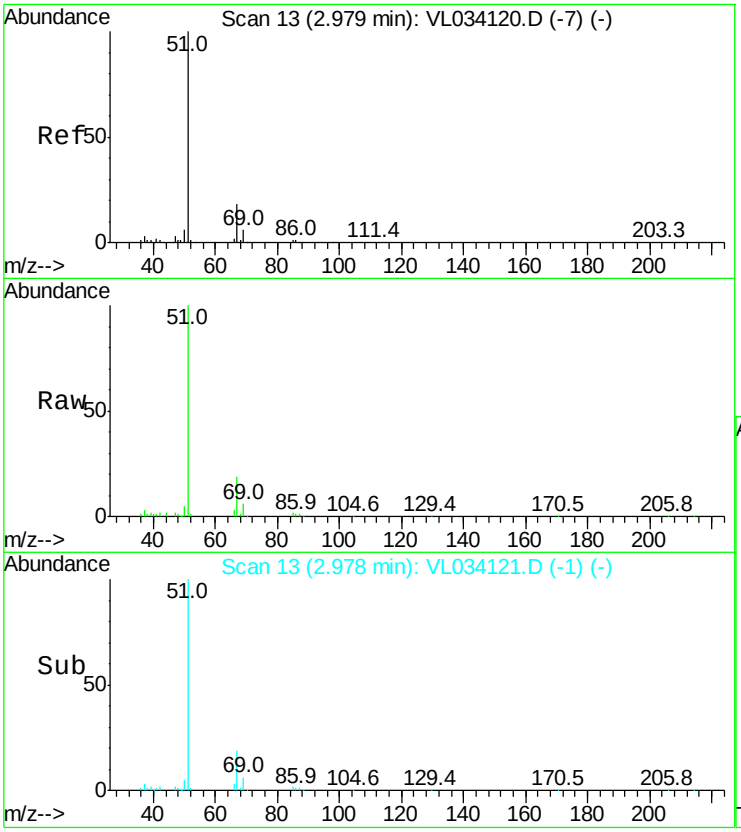


#2
Dichlorodifluoromethane
Concen: 2.267 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 85 Resp: 453629

Ion	Ratio	Lower	Upper
85	100		
87	33.7	28.6	43.0



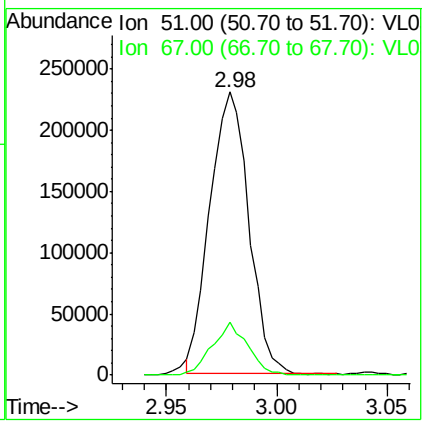


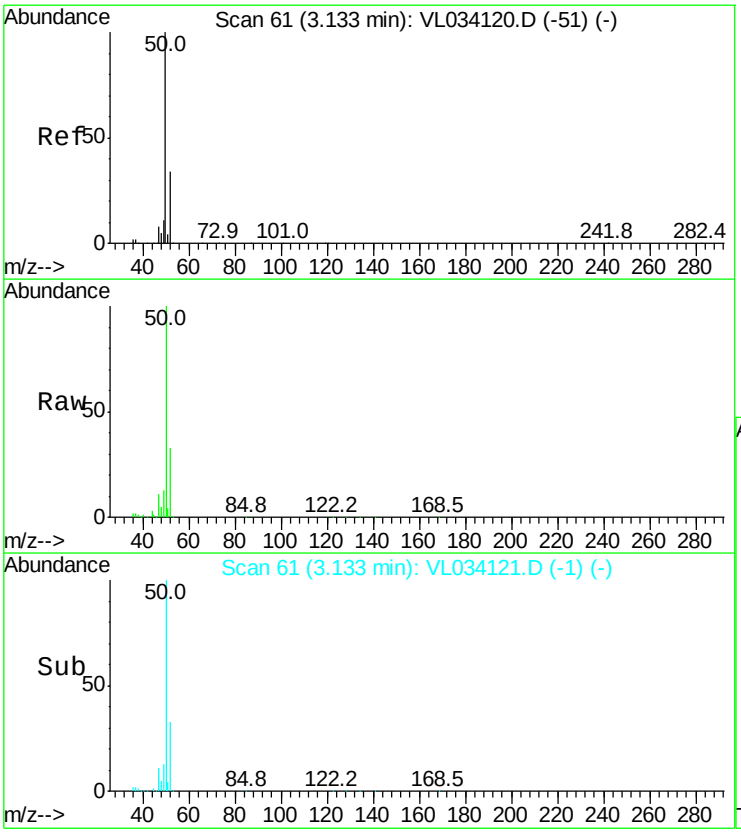
#3
Chlorodifluoromethane
Concen: 2.079 ppbv
RT: 2.98 min Scan# 13
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 281138

Ion	Ratio	Lower	Upper
51	100		
67	16.9	14.2	21.4

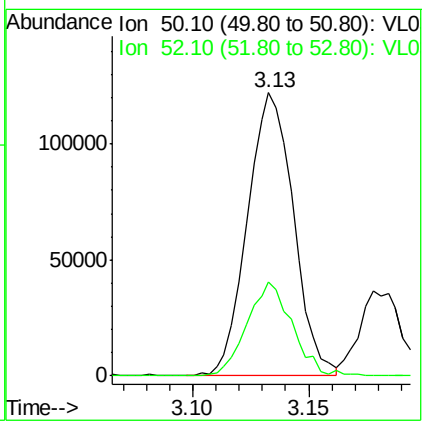


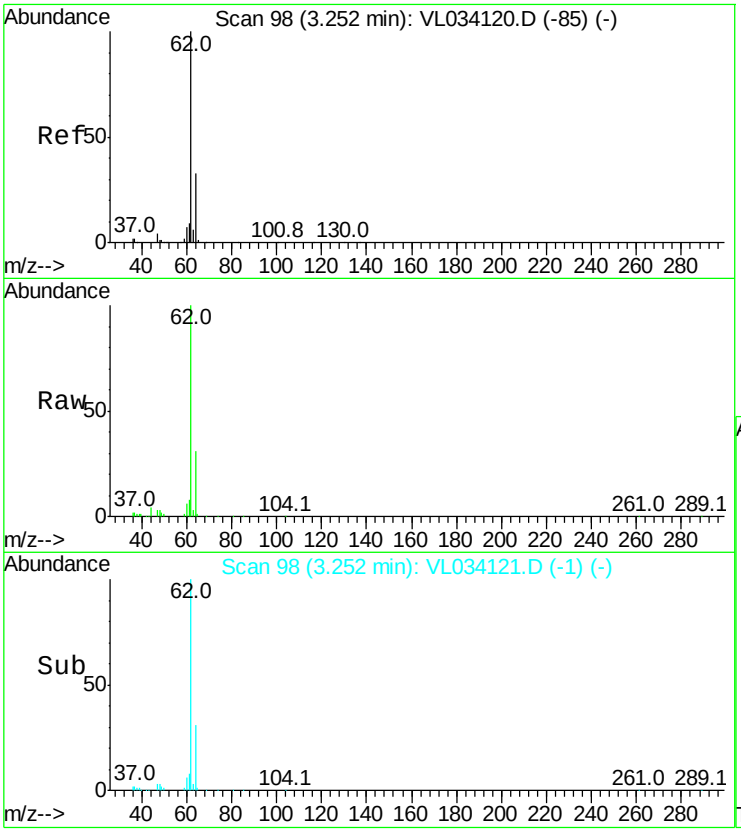


#4
Chloromethane
Concen: 1.997 ppbv
RT: 3.13 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 50 Resp: 168835

Ion	Ratio	Lower	Upper
50	100		
52	33.2	27.4	41.2



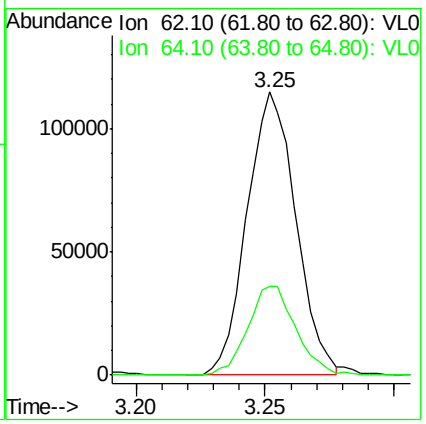


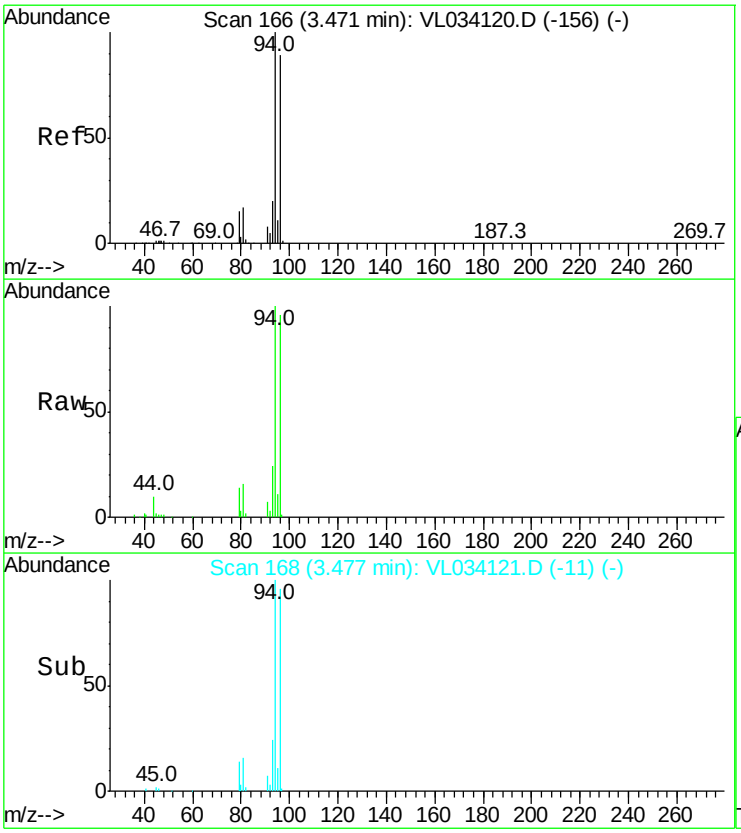
#5
Vinyl Chloride
Concen: 1.974 ppbv
RT: 3.25 min Scan# 98
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 152005

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.6	39.8

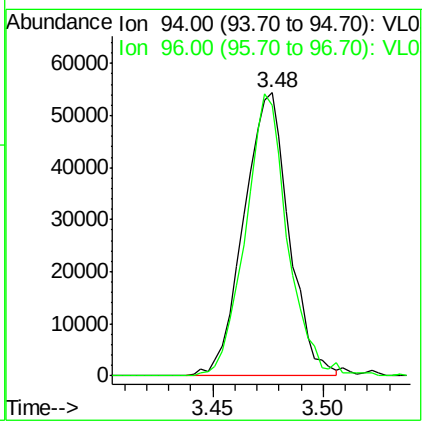


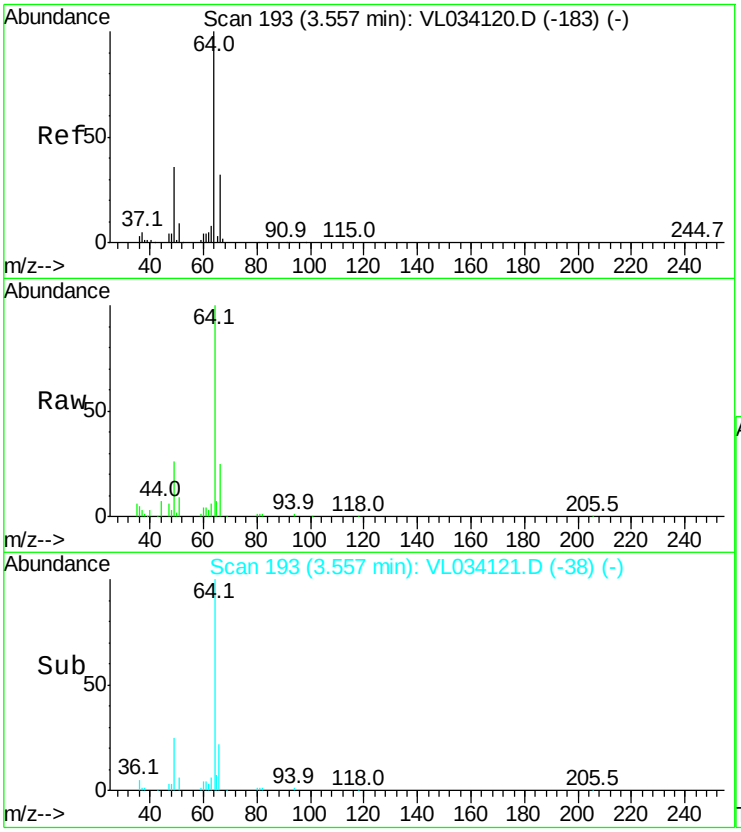


#6
Bromomethane
Concen: 2.033 ppbv
RT: 3.48 min Scan# 168
Delta R.T. 0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 94 Resp: 77261

Ion	Ratio	Lower	Upper
94	100		
96	95.5	71.4	107.0



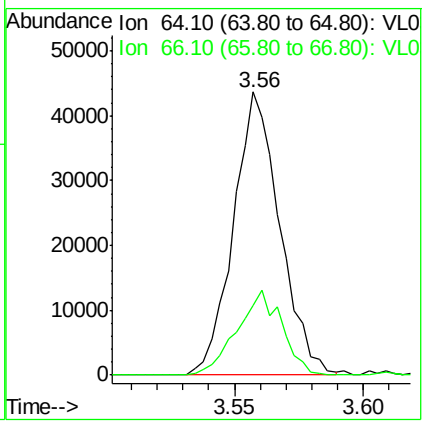


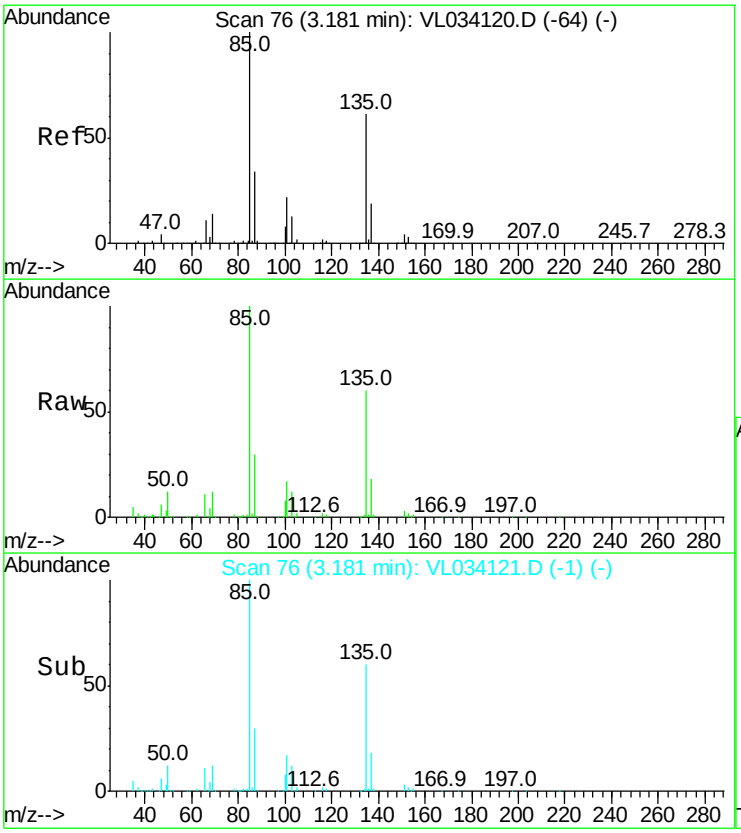
#7
Chloroethane
Concen: 2.091 ppbv
RT: 3.56 min Scan# 193
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 54873

Ion	Ratio	Lower	Upper
64	100		
66	24.6	25.4	38.2#

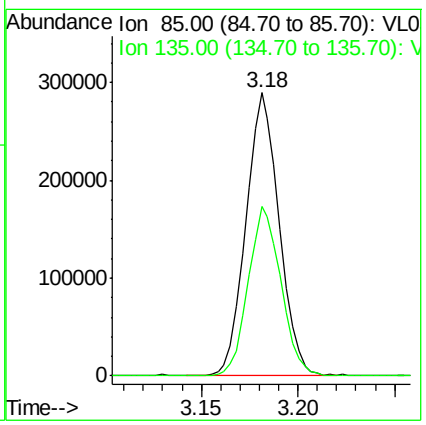


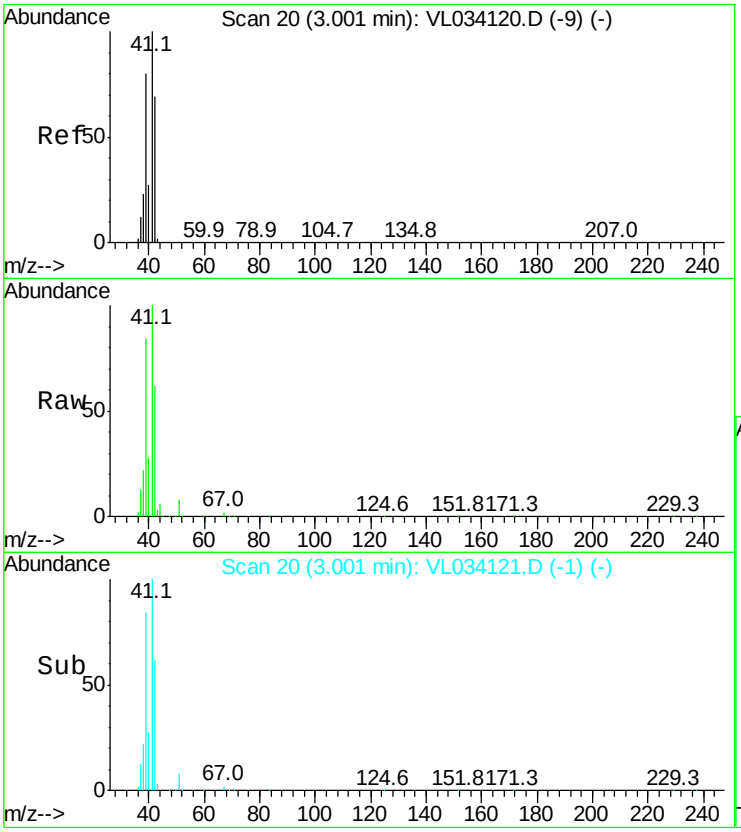


#8
Dichlorotetrafluoroethane
Concen: 2.151 ppbv
RT: 3.18 min Scan# 76
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 85 Resp: 346396

Ion	Ratio	Lower	Upper
85	100		
135	59.1	48.0	72.0



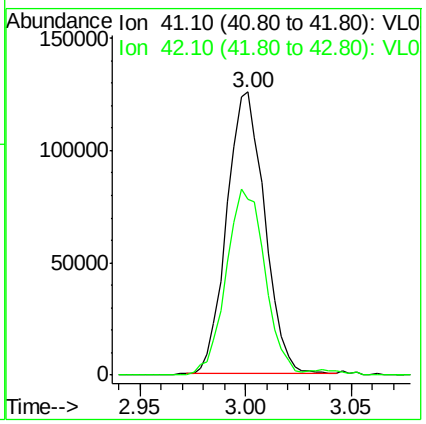


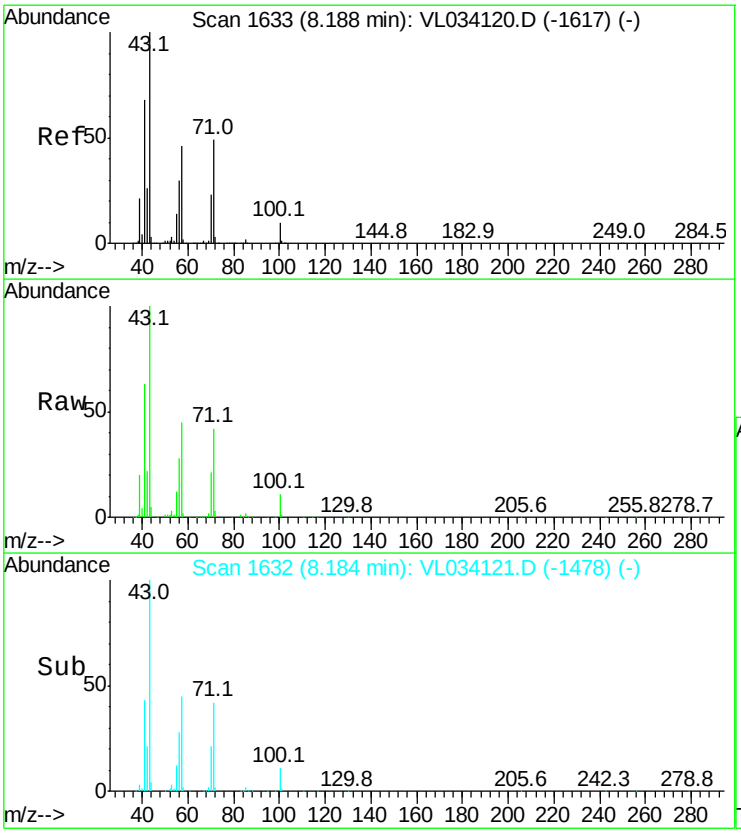
#9
Propene
Concen: 2.066 ppbv
RT: 3.00 min Scan# 20
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 41 Resp: 156284

Ion	Ratio	Lower	Upper
41	100		
42	69.1	54.6	81.8

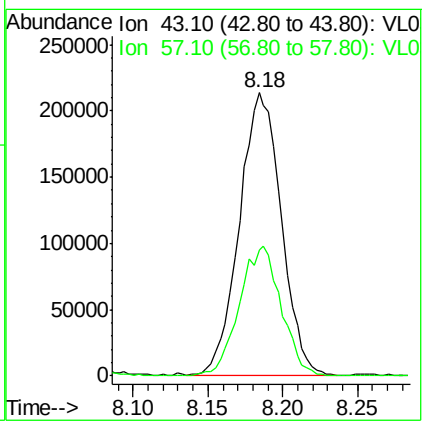


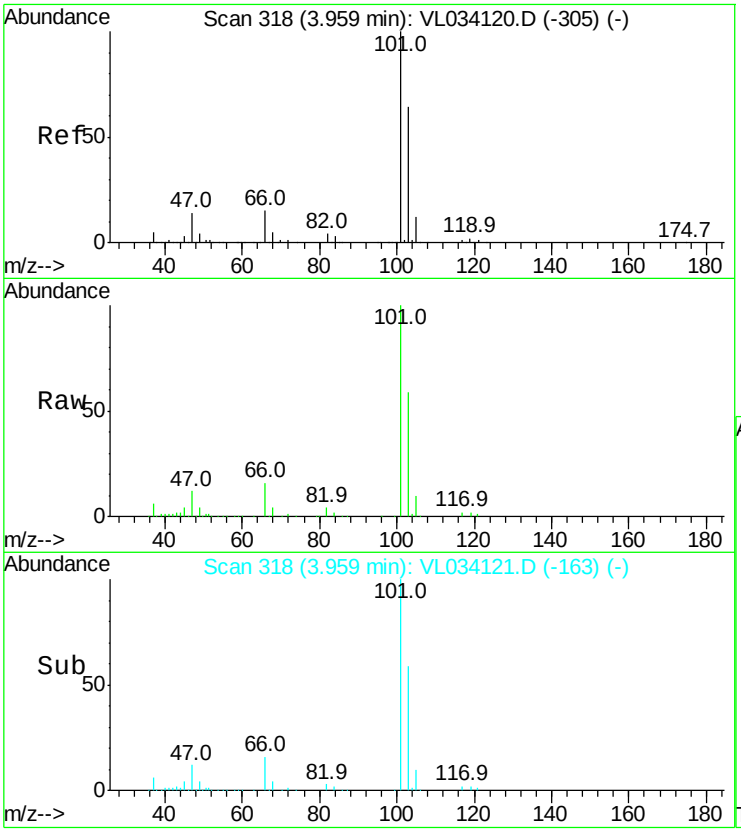


#10
Heptane
Concen: 2.119 ppbv
RT: 8.18 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 43 Resp: 416146

Ion	Ratio	Lower	Upper
43	100		
57	45.7	38.1	57.1



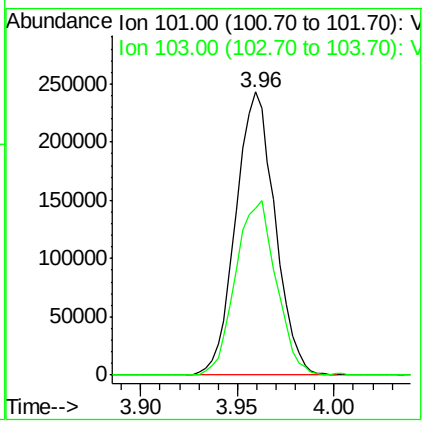


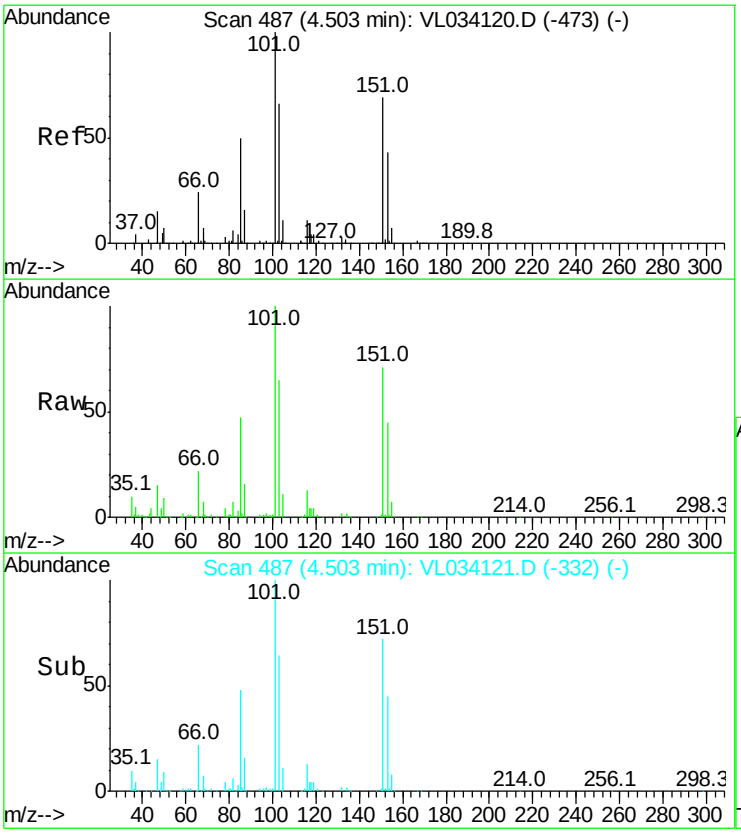
#11
Trichlorofluoromethane
Concen: 2.104 ppbv
RT: 3.96 min Scan# 318
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 343376

Ion	Ratio	Lower	Upper
101	100		
103	58.9	51.4	77.2

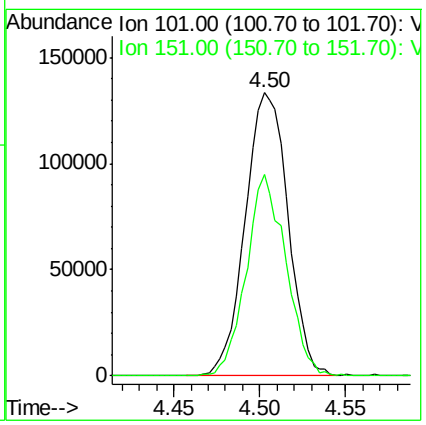


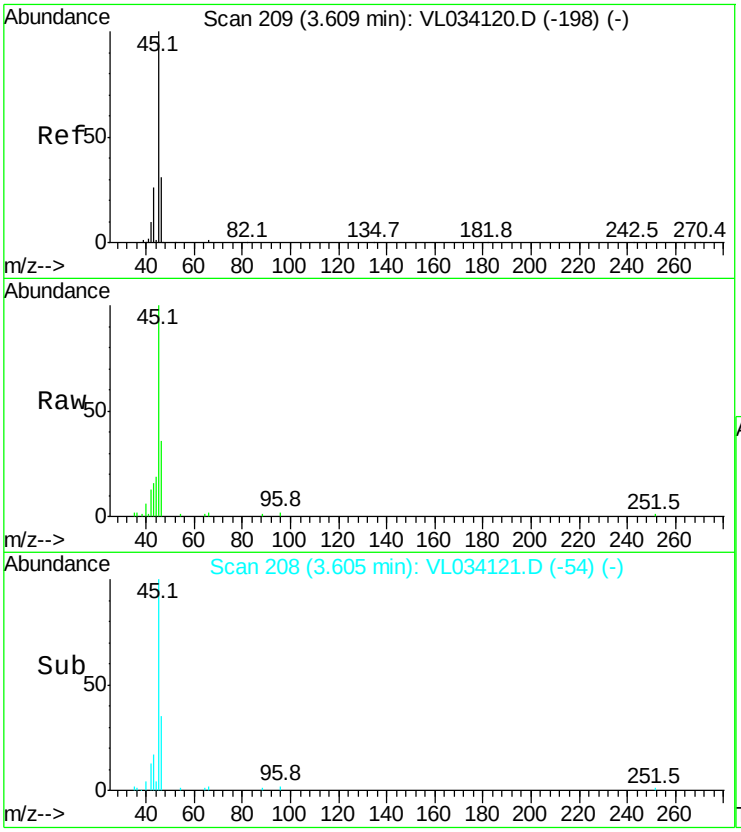


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.105 ppbv
RT: 4.50 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:101 Resp: 229823

Ion	Ratio	Lower	Upper
101	100		
151	65.7	53.0	79.6



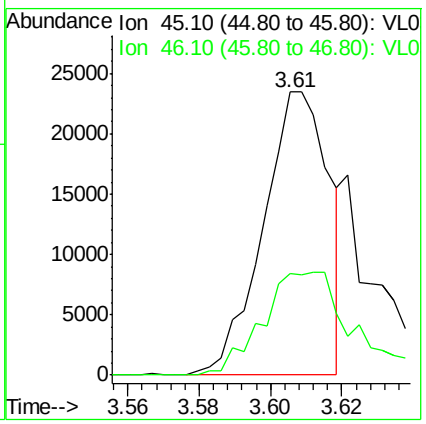


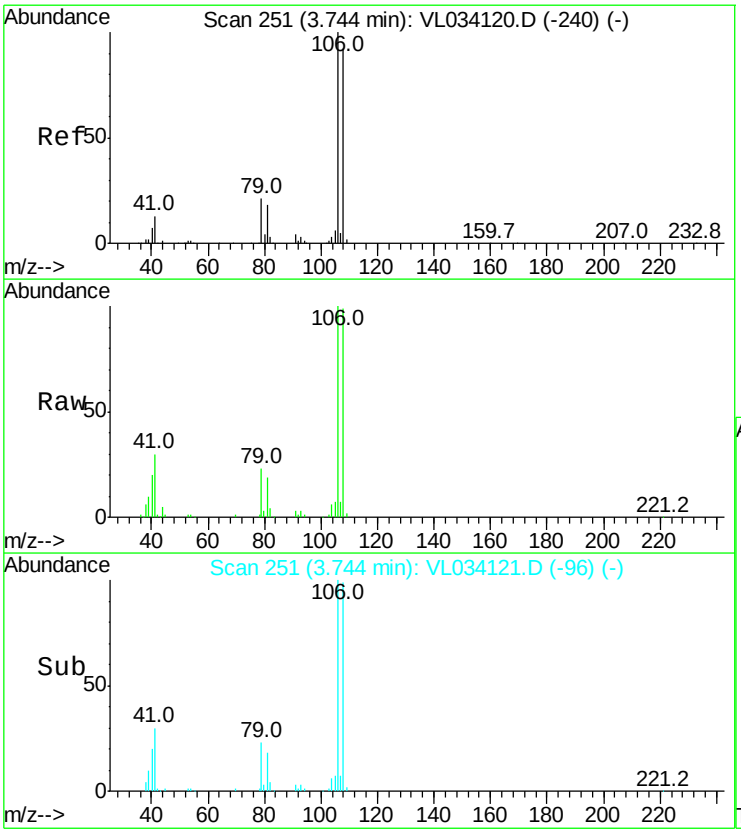
#13
Ethanol
Concen: 1.750 ppbv
RT: 3.61 min Scan# 208
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 29964

Ion	Ratio	Lower	Upper
45	100		
46	52.7	15.0	60.0

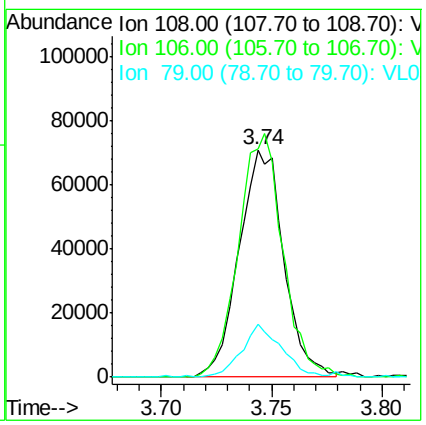


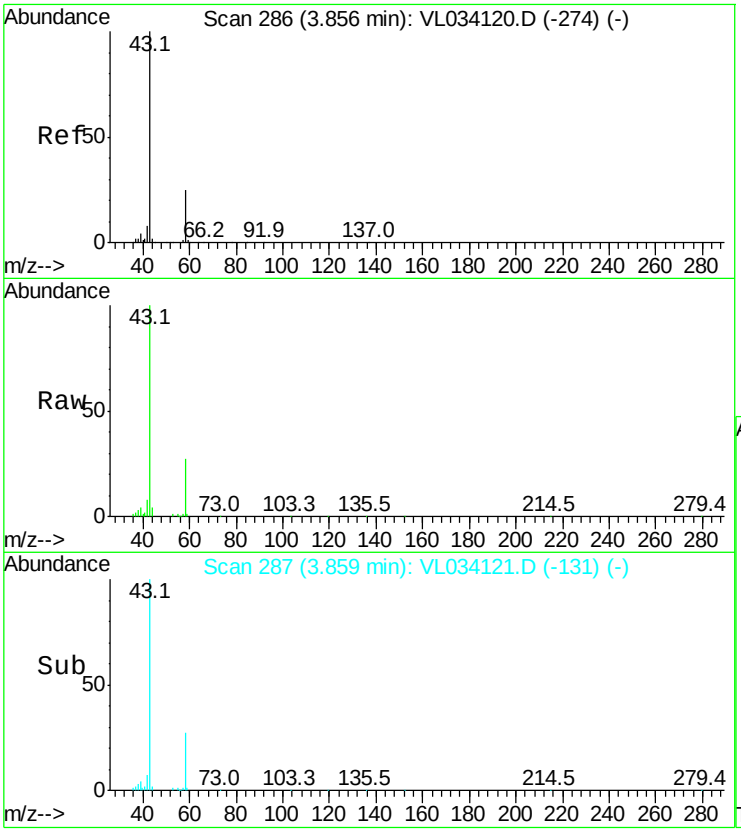


#14
Bromoethene
Concen: 2.111 ppbv
RT: 3.74 min Scan# 251
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:108 Resp: 99650

Ion	Ratio	Lower	Upper
108	100		
106	106.3	87.2	130.8
79	21.5	16.5	24.7



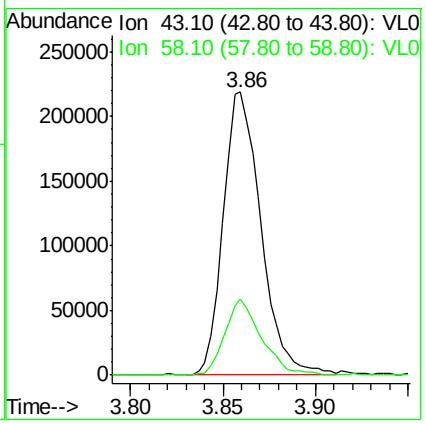


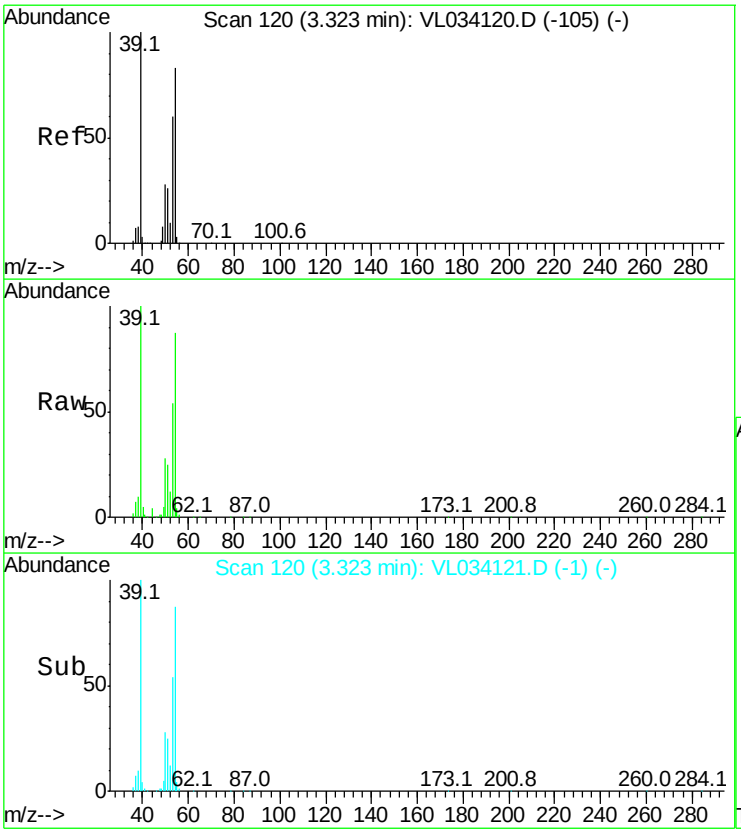
#15
Acetone
Concen: 2.111 ppbv
RT: 3.86 min Scan# 287
Delta R.T. 0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 308661

Ion	Ratio	Lower	Upper
43	100		
58	26.1	20.6	30.8

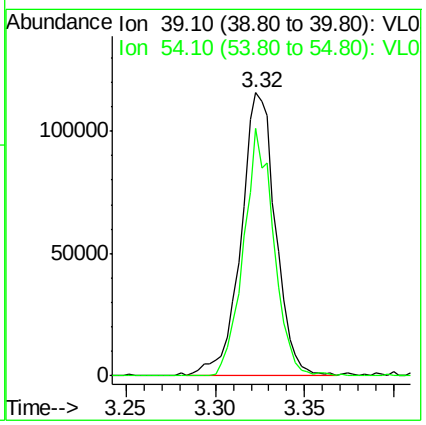


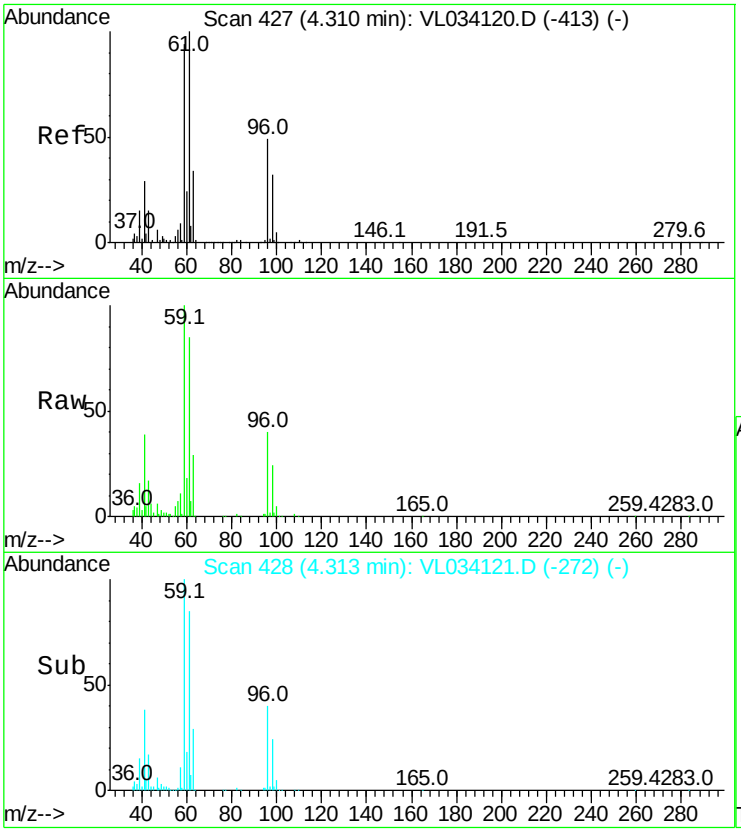


#16
1,3-Butadiene
Concen: 2.126 ppbv
RT: 3.32 min Scan# 120
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 39 Resp: 157437

Ion	Ratio	Lower	Upper
39	100		
54	76.6	63.5	95.3



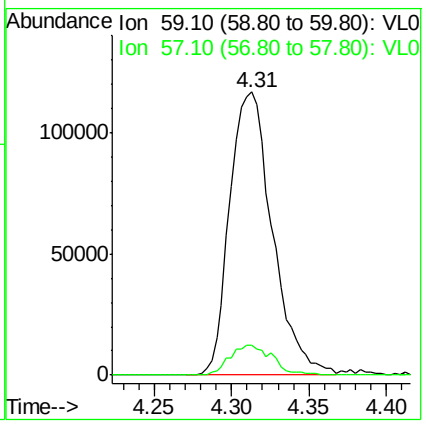


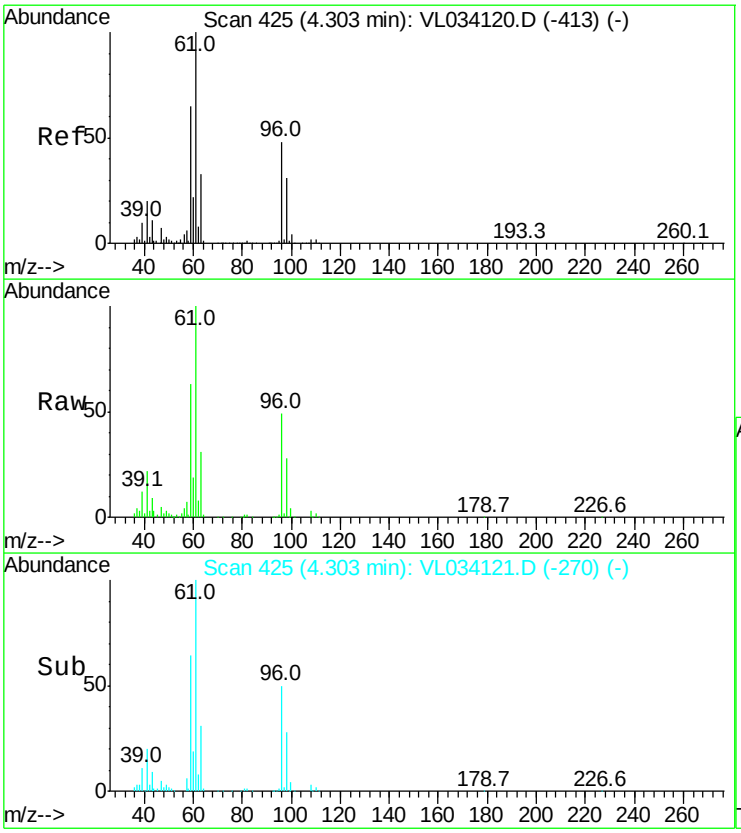
#17
tert-Butyl alcohol
Concen: 2.108 ppbv
RT: 4.31 min Scan# 428
Delta R.T. 0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 59 Resp: 223757

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

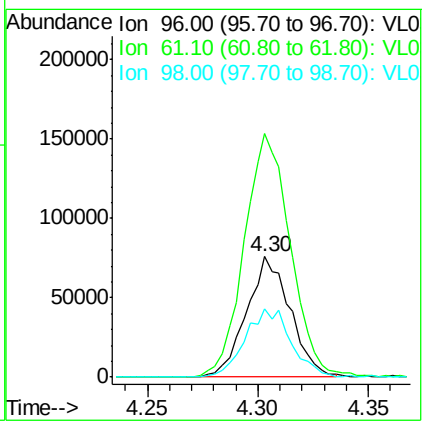


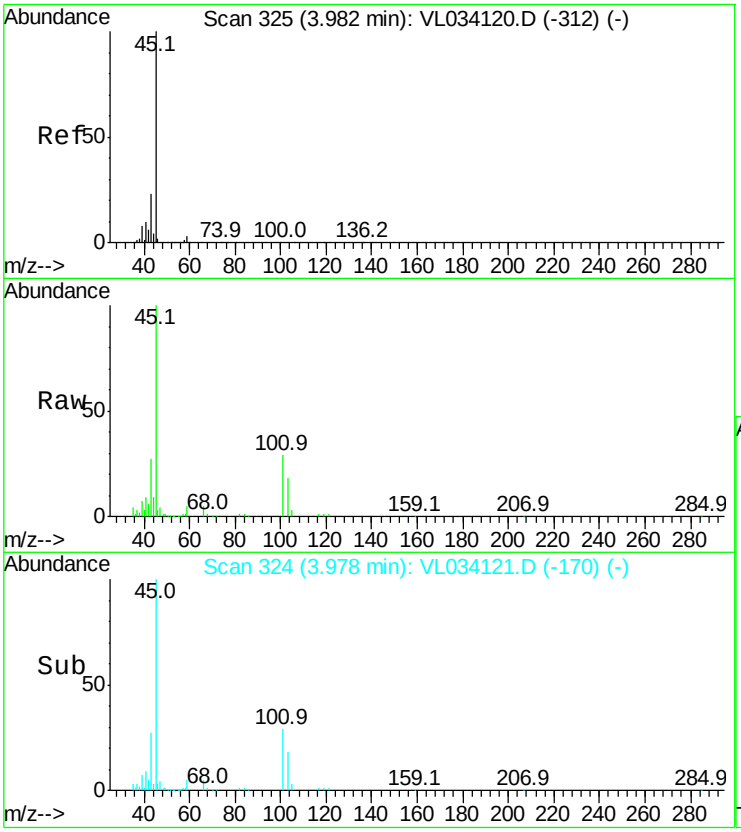


#18
1,1-Dichloroethene
Concen: 2.094 ppbv
RT: 4.30 min Scan# 425
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 96 Resp: 104306

Ion	Ratio	Lower	Upper
96	100		
61	201.5	165.8	248.8
98	56.8	50.8	76.2



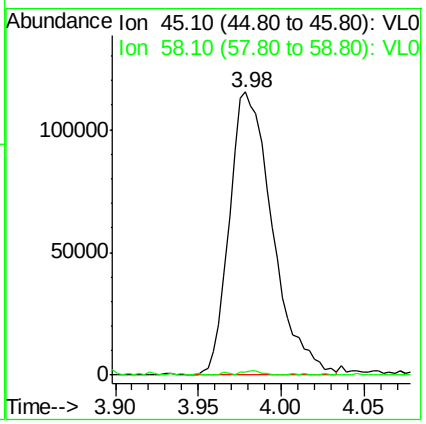


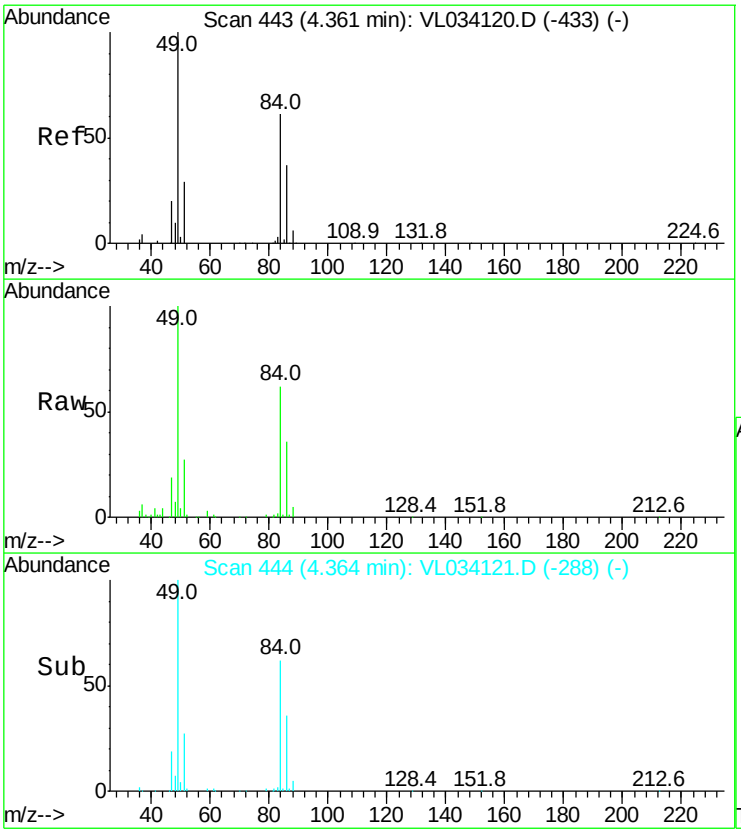
#19
Isopropyl Alcohol
Concen: 2.118 ppbv
RT: 3.98 min Scan# 324
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 208347

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.0	1.6#

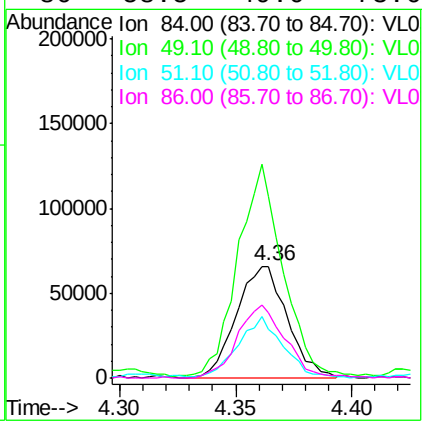


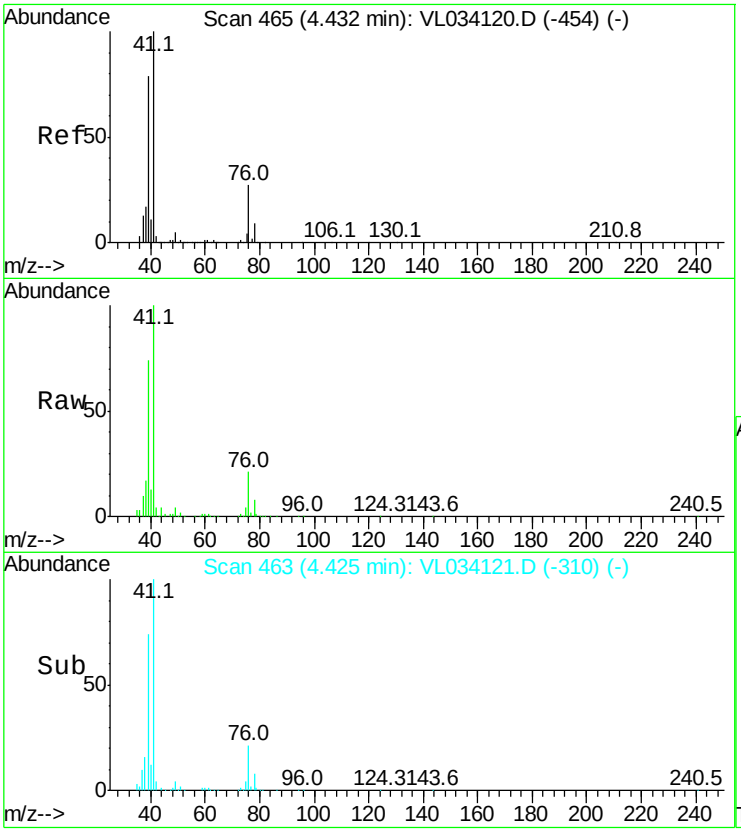


#20
Methylene Chloride
Concen: 2.077 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 84 Resp: 100401

Ion	Ratio	Lower	Upper
84	100		
49	159.4	131.0	196.6
51	42.5	38.1	57.1
86	58.5	49.0	73.6



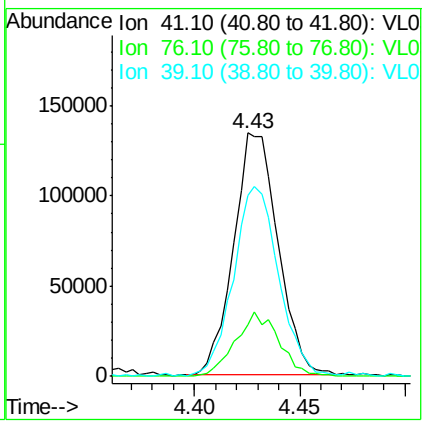


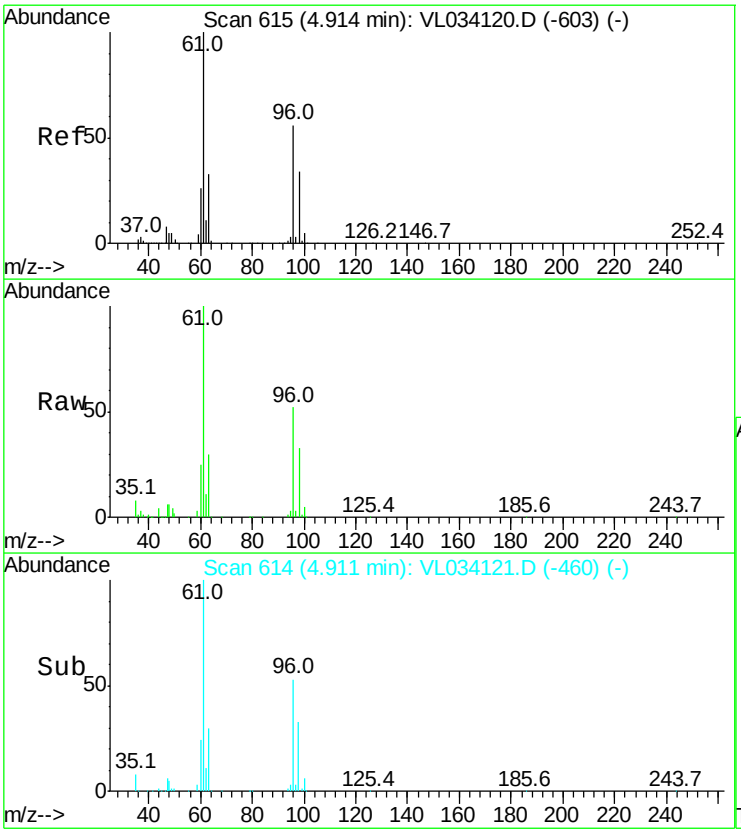
#21
Allyl Chloride
Concen: 2.047 ppbv
RT: 4.43 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 41 Resp: 197287

Ion	Ratio	Lower	Upper
41	100		
76	25.8	21.6	32.4
39	80.8	65.0	97.4

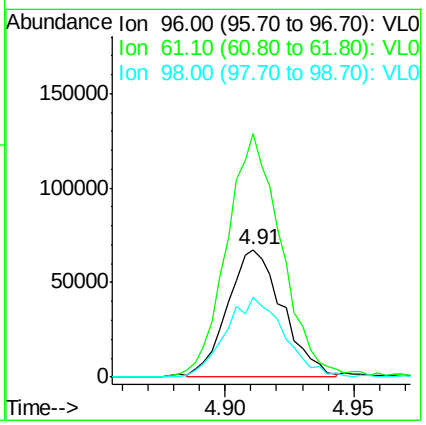


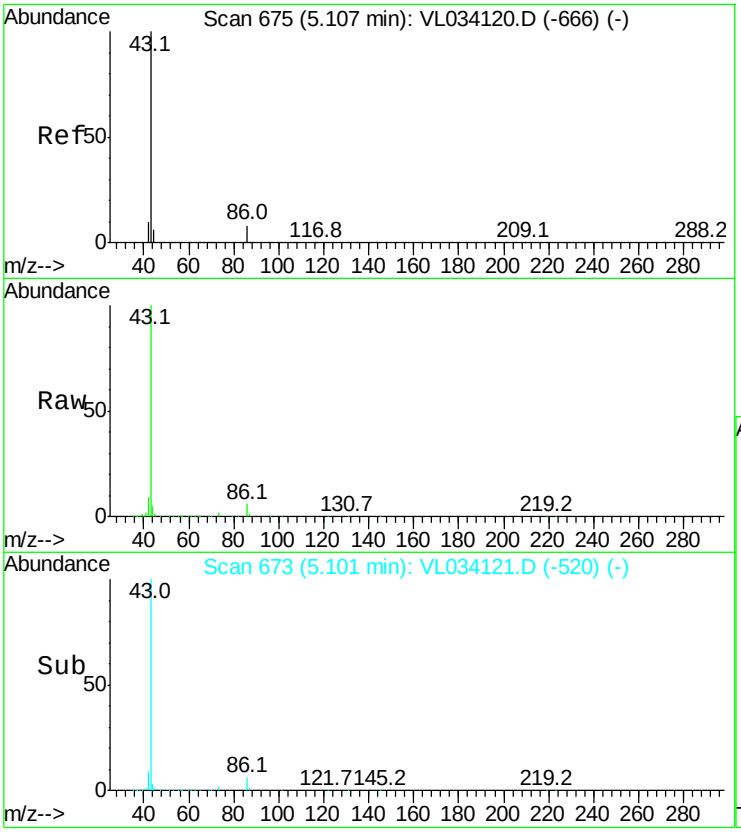


#22
trans-1,2-Dichloroethene
Concen: 1.991 ppbv
RT: 4.91 min Scan# 614
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 96 Resp: 99383

Ion	Ratio	Lower	Upper
96	100		
61	189.1	143.1	214.7
98	62.3	49.0	73.4



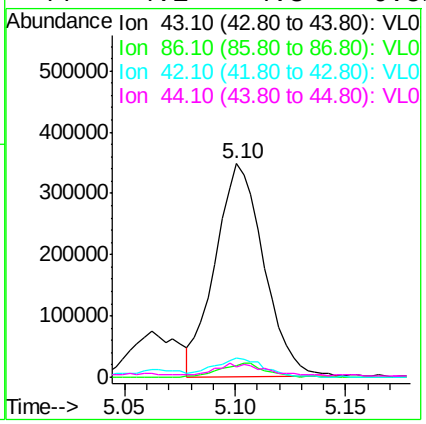


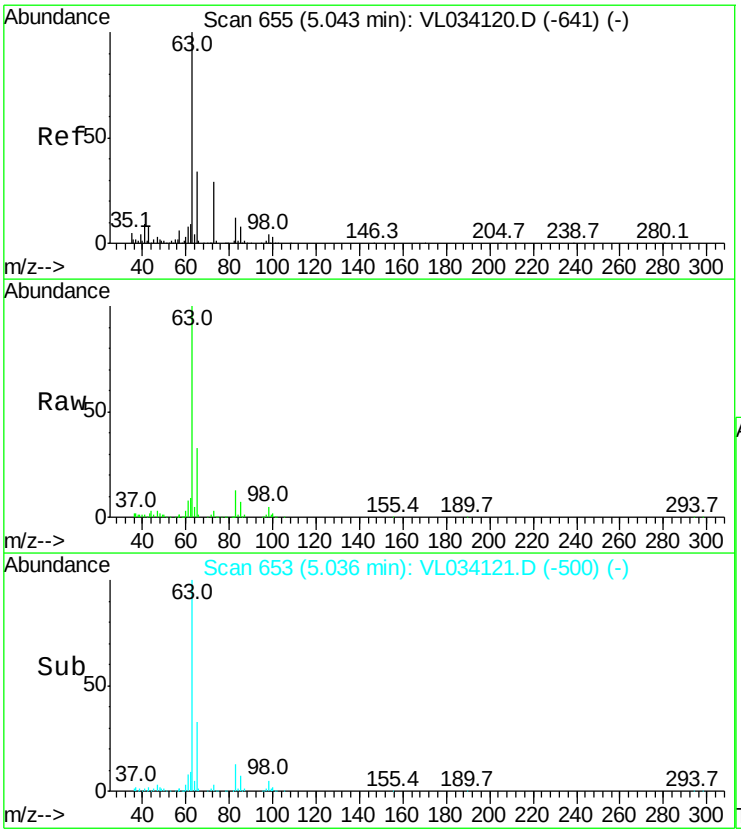
#23
Vinyl Acetate
Concen: 2.133 ppbv
RT: 5.10 min Scan# 673
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 529029

Ion	Ratio	Lower	Upper
43	100		
86	5.7	5.5	8.3
42	9.0	8.2	12.4
44	4.1	4.3	6.5#

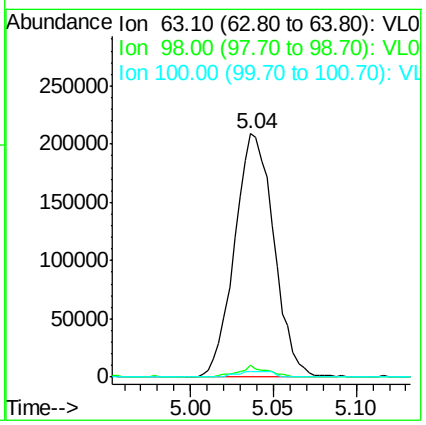


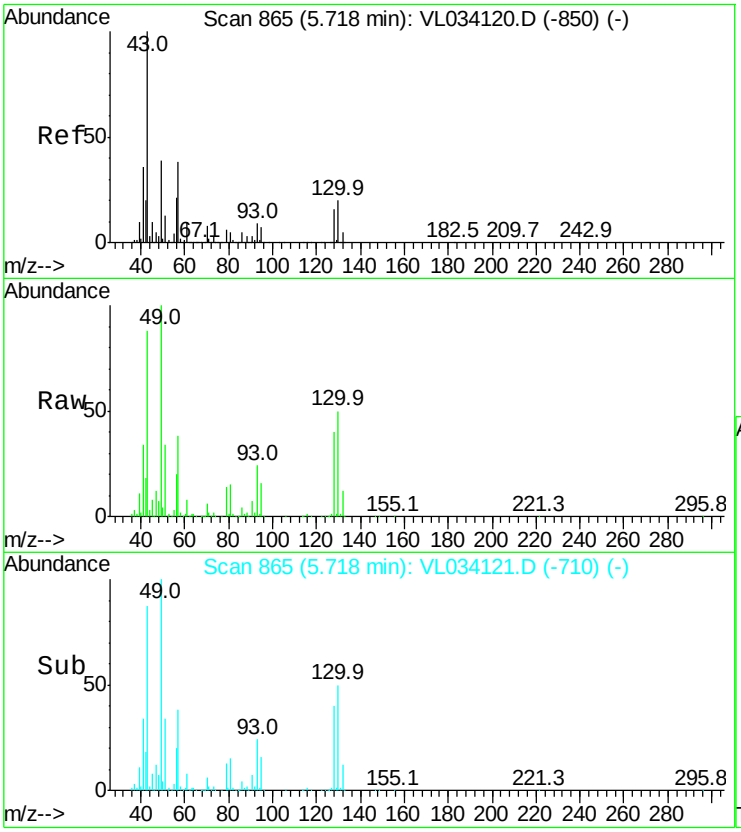


#24
1,1-Dichloroethane
Concen: 2.101 ppbv
RT: 5.04 min Scan# 653
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 63 Resp: 345826

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.1	6.2
100	2.4	1.4	4.0



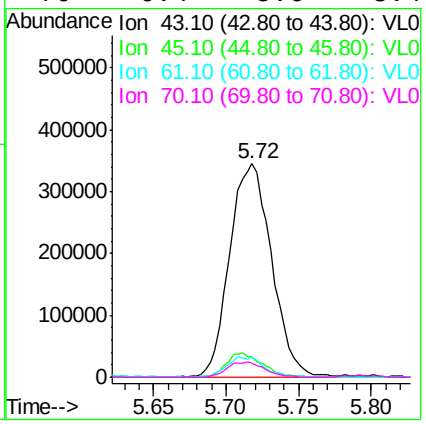


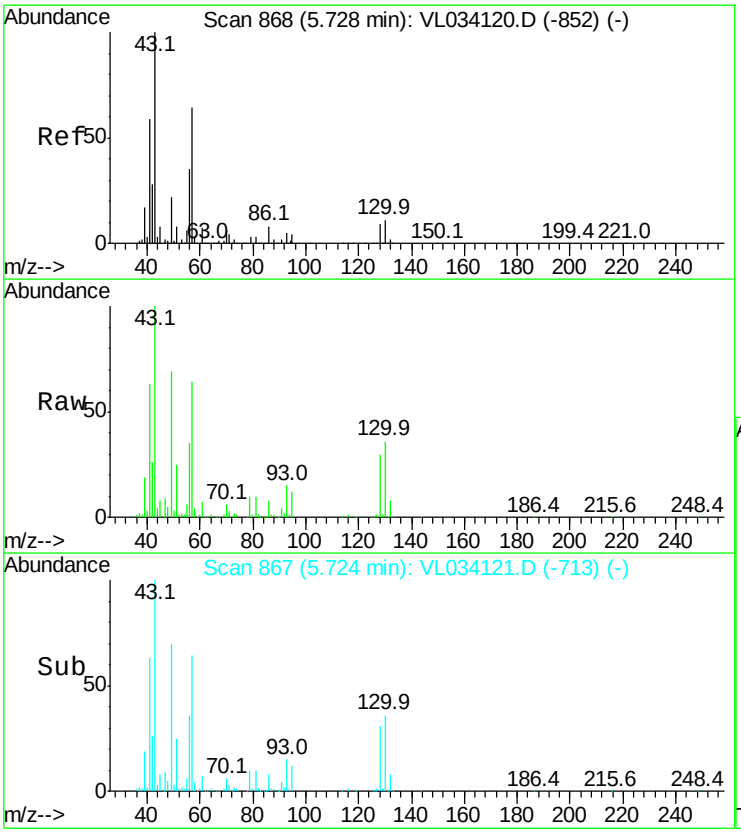
#25
Ethyl Acetate
Concen: 2.154 ppbv
RT: 5.72 min Scan# 865
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 690783

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.4
61	8.9	7.4	11.2
70	6.4	5.6	8.4

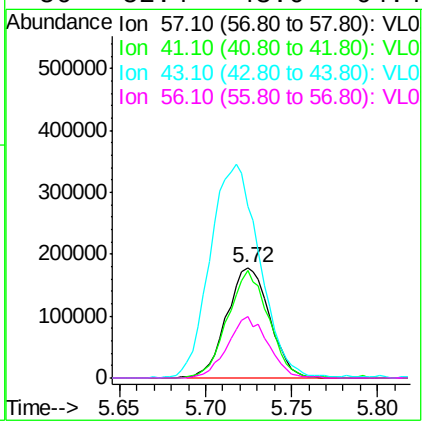


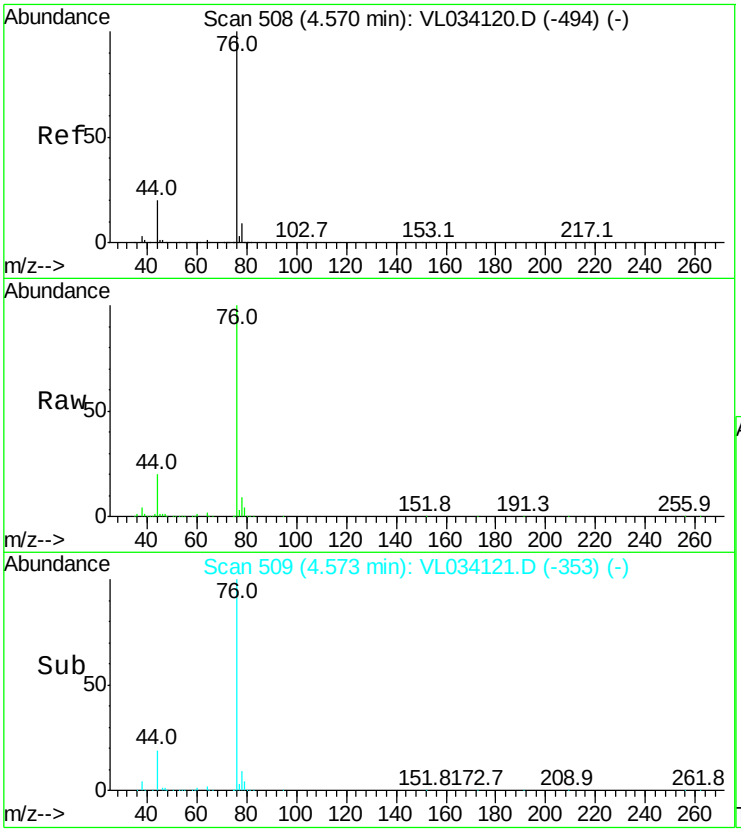


#26
Hexane
Concen: 2.159 ppbv
RT: 5.72 min Scan# 867
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 57 Resp: 308055

Ion	Ratio	Lower	Upper
57	100		
41	93.8	76.6	115.0
43	227.9	189.2	283.8
56	52.4	43.0	64.4



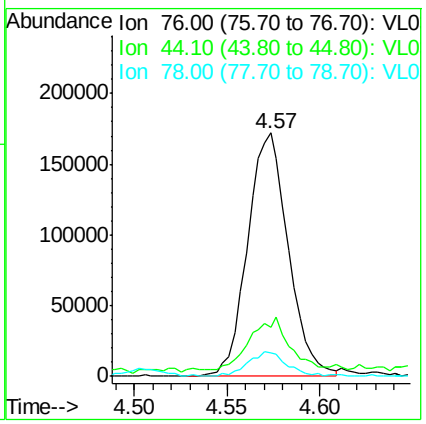


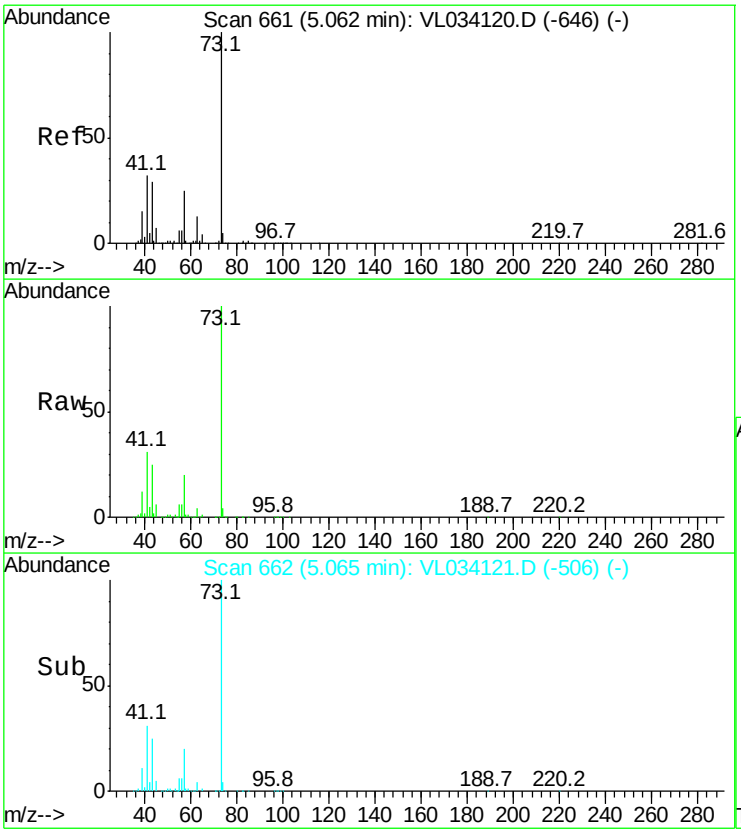
#27
Carbon Disulfide
Concen: 2.044 ppbv
RT: 4.57 min Scan# 509
Delta R.T. 0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 76 Resp: 262626

Ion	Ratio	Lower	Upper
76	100		
44	27.5	17.6	26.4#
78	10.0	7.3	10.9

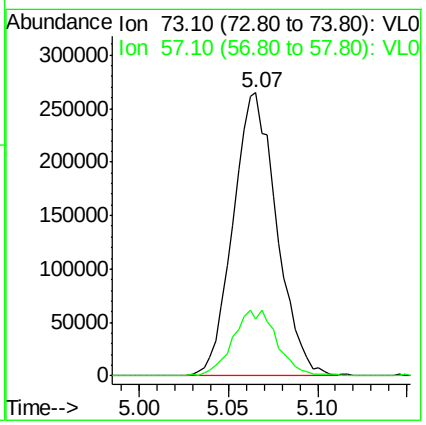


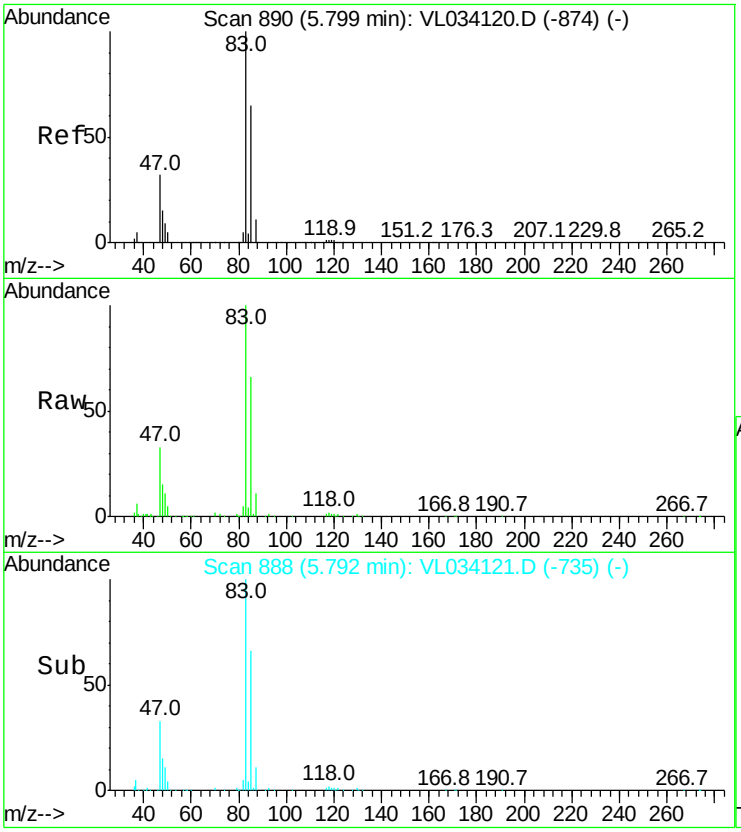


#28
Methyl tert-Butyl Ether
Concen: 2.154 ppbv
RT: 5.07 min Scan# 662
Delta R.T. 0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 73 Resp: 450395

Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.8	29.8



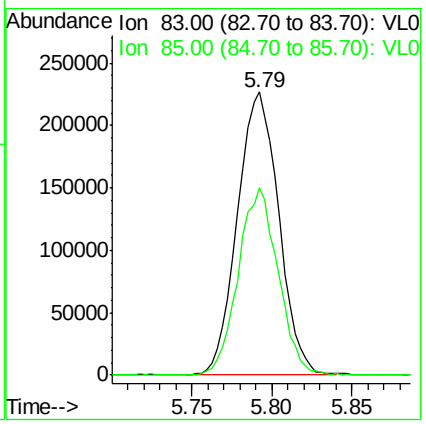


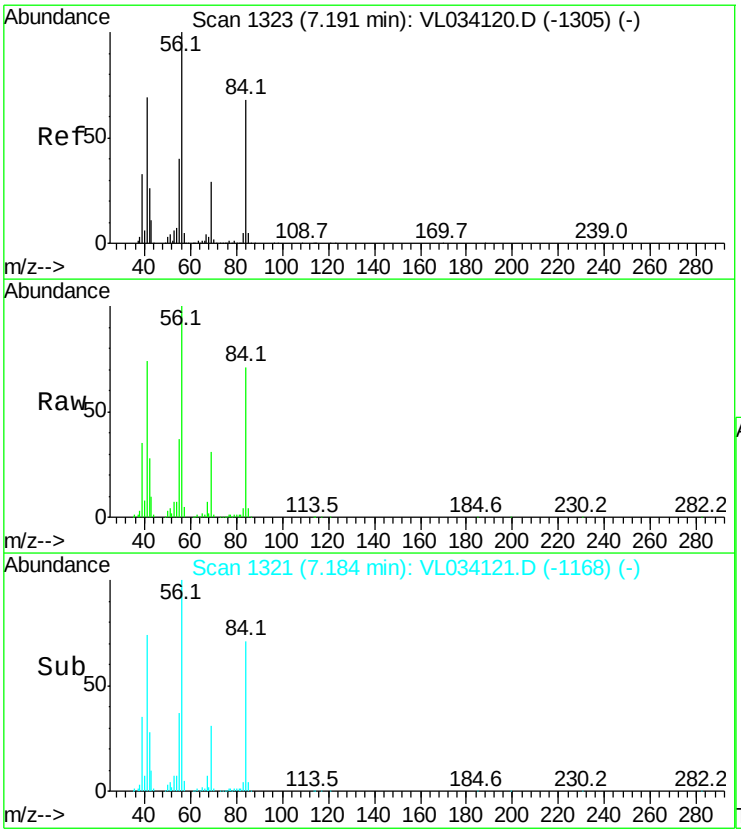
#29
Chloroform
Concen: 2.079 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 400108

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.6

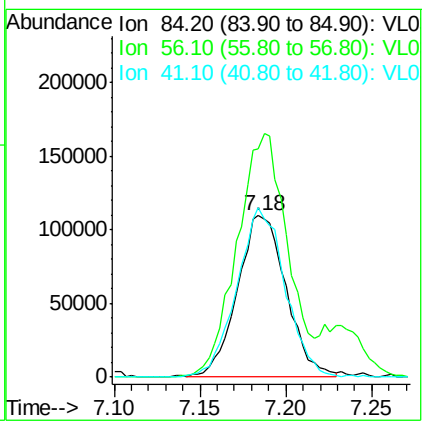


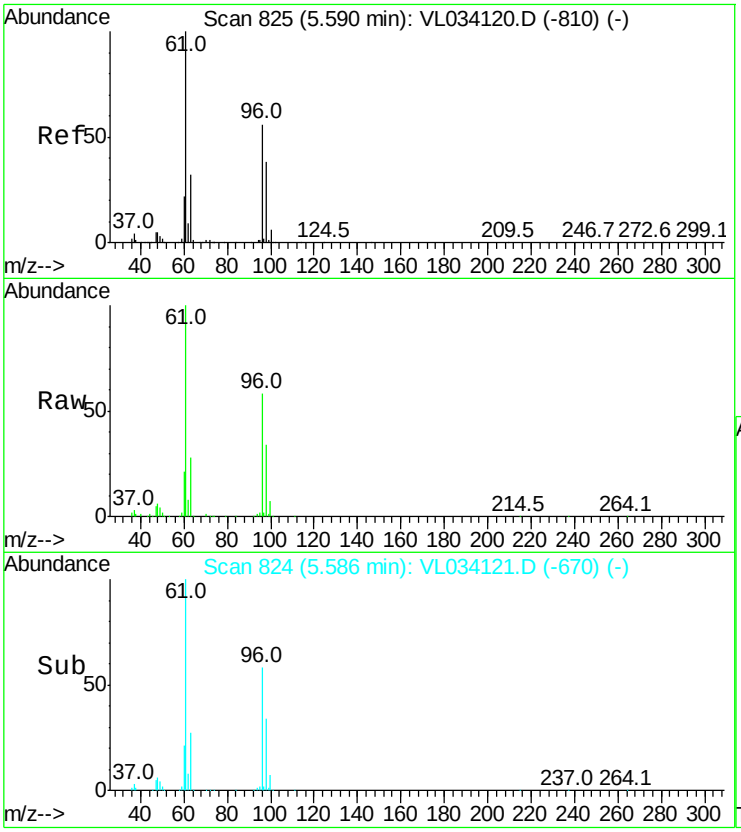


#30
Cyclohexane
Concen: 2.070 ppbv
RT: 7.18 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 84 Resp: 213526

Ion	Ratio	Lower	Upper
84	100		
56	186.2	122.6	183.8#
41	105.3	79.1	118.7



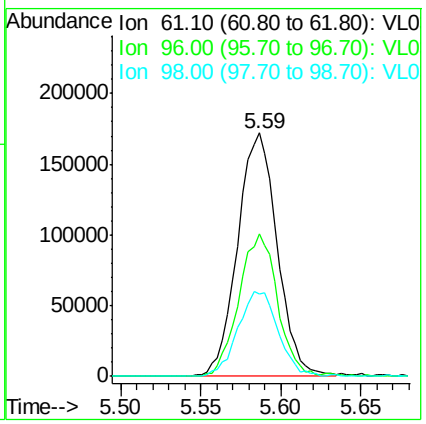


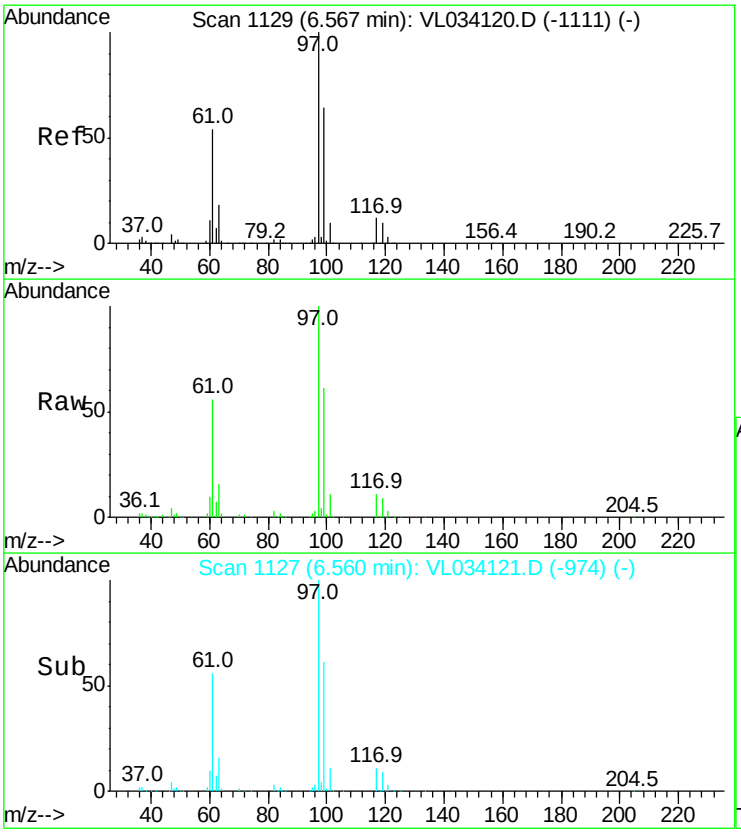
#31
cis-1,2-Dichloroethene
Concen: 2.123 ppbv
RT: 5.59 min Scan# 824
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 290143

Ion	Ratio	Lower	Upper
61	100		
96	58.3	44.4	66.6
98	33.7	30.0	45.0

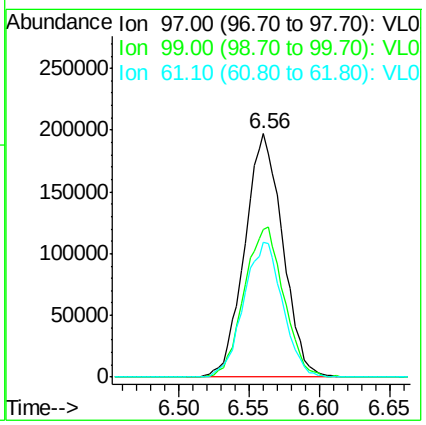


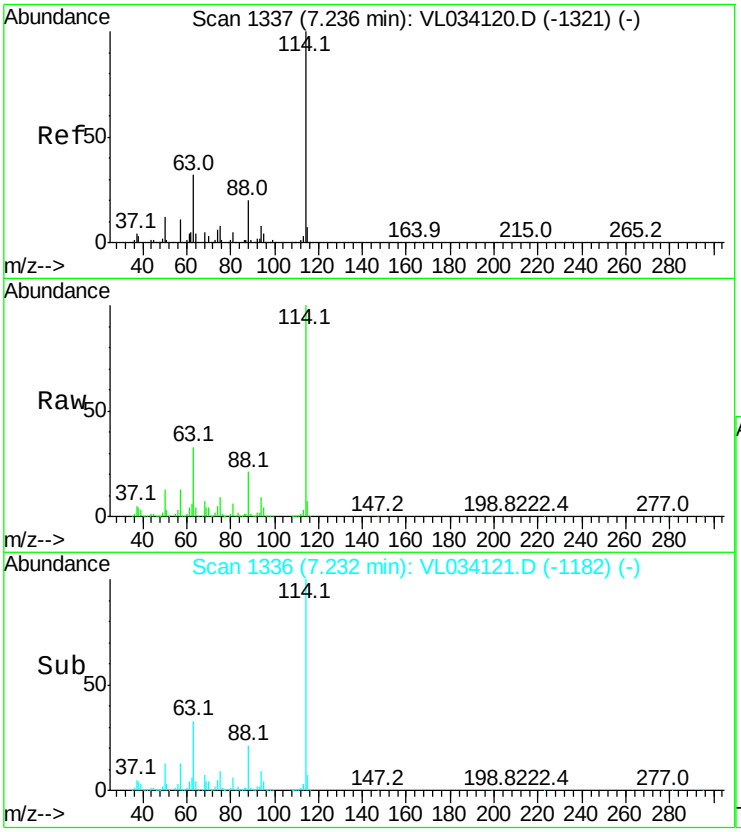


#32
1,1,1-Trichloroethane
Concen: 2.063 ppbv
RT: 6.56 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 97 Resp: 372961

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.7	77.5
61	56.5	44.0	66.0



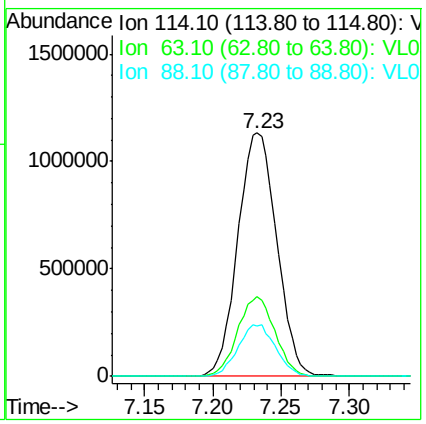


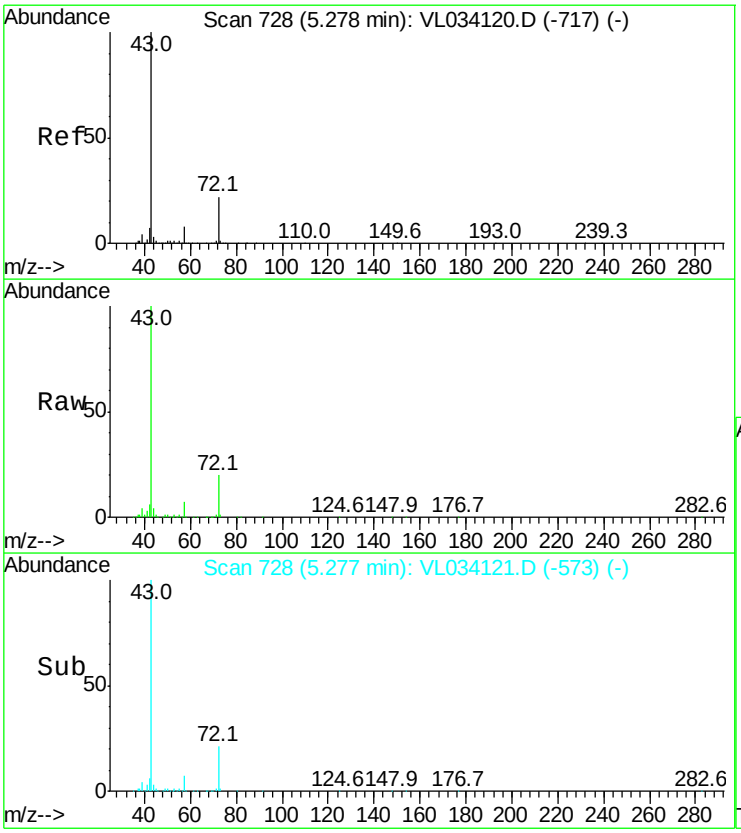
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.23 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 2242469

Ion	Ratio	Lower	Upper
114	100		
63	31.5	25.5	38.3
88	20.6	16.8	25.2

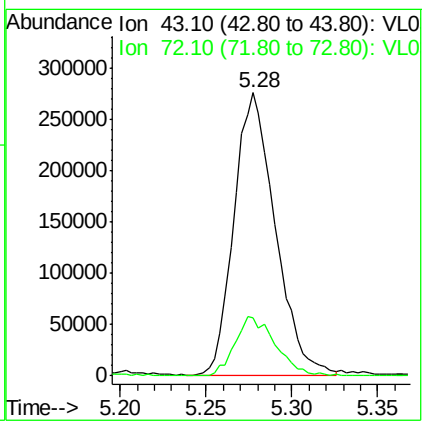


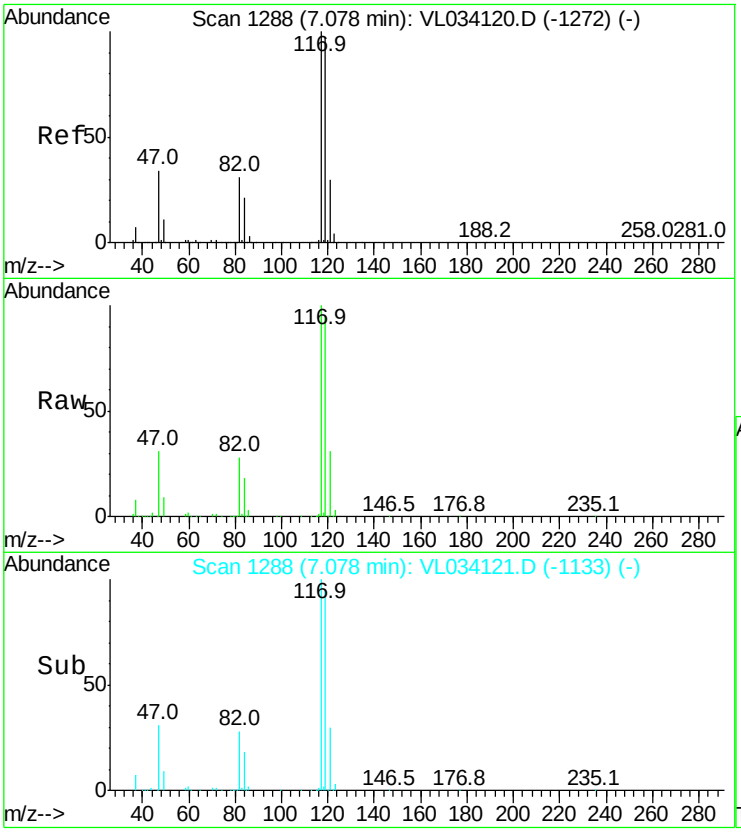


#34
2-Butanone
Concen: 2.131 ppbv
RT: 5.28 min Scan# 728
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 43 Resp: 459517

Ion	Ratio	Lower	Upper
43	100		
72	20.9	16.5	24.7



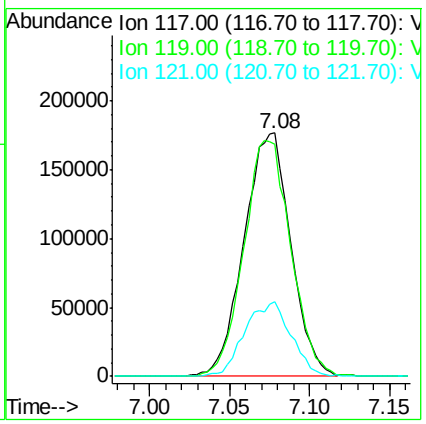


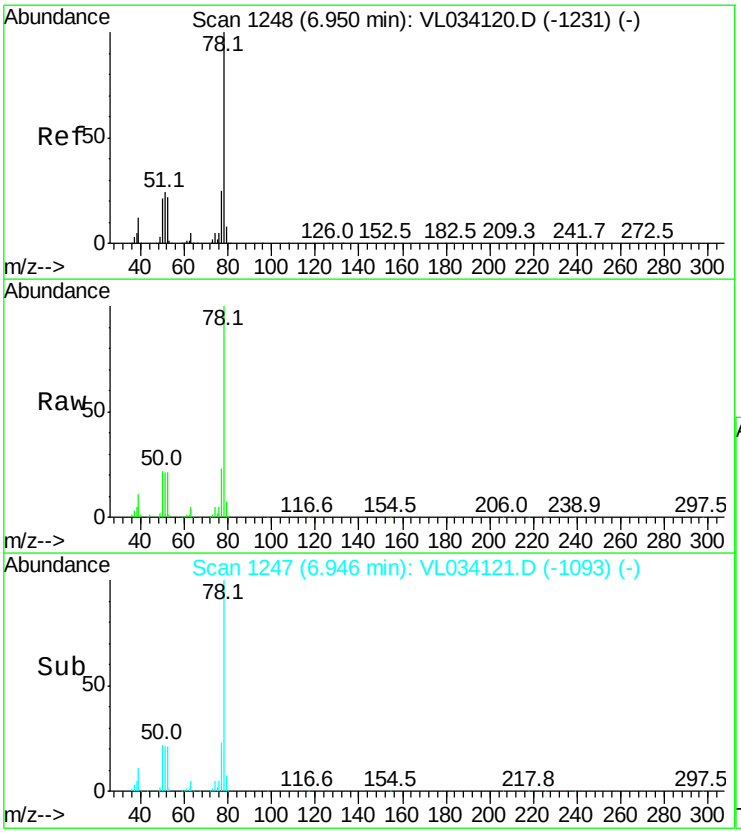
#35
Carbon Tetrachloride
Concen: 2.048 ppbv
RT: 7.08 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 355123

Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.2	115.8
121	30.6	24.2	36.4

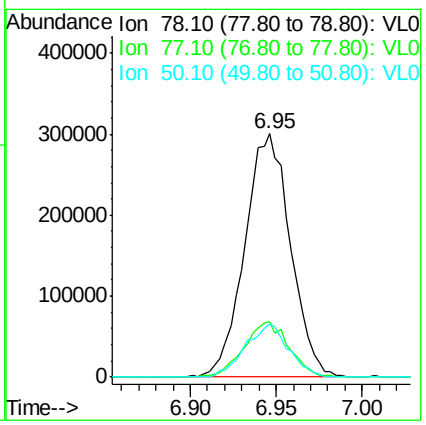


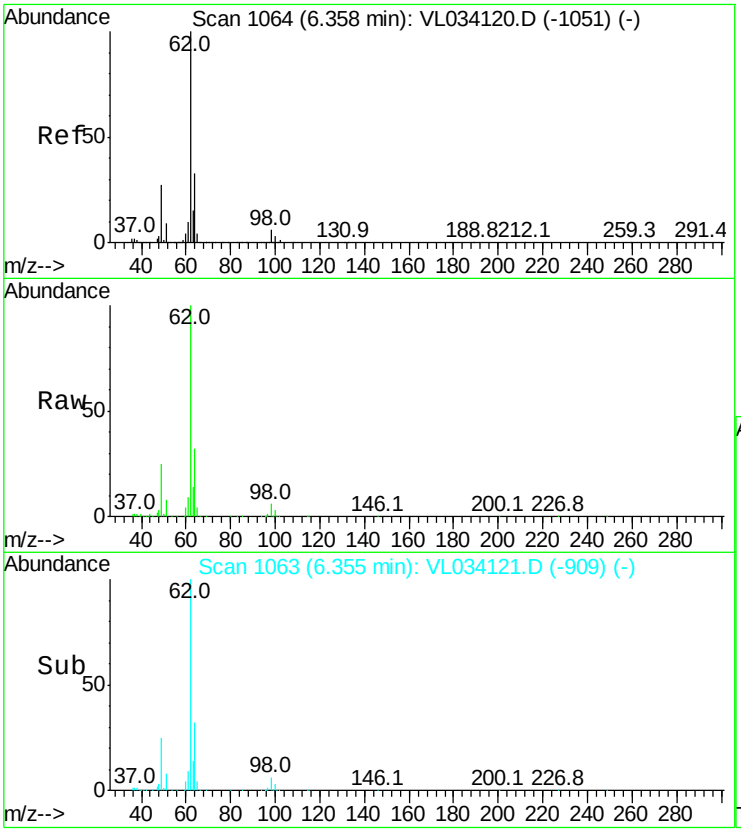


#36
Benzene
Concen: 2.157 ppbv
RT: 6.95 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 78 Resp: 552944

Ion	Ratio	Lower	Upper
78	100		
77	23.0	20.3	30.5
50	21.6	16.9	25.3



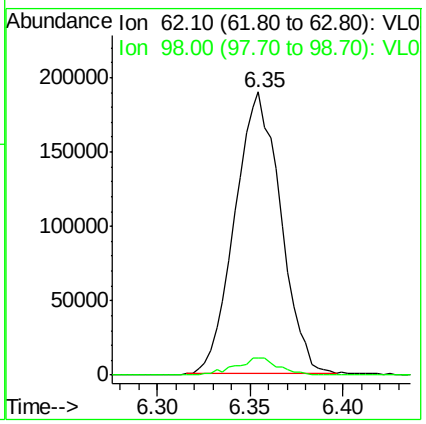


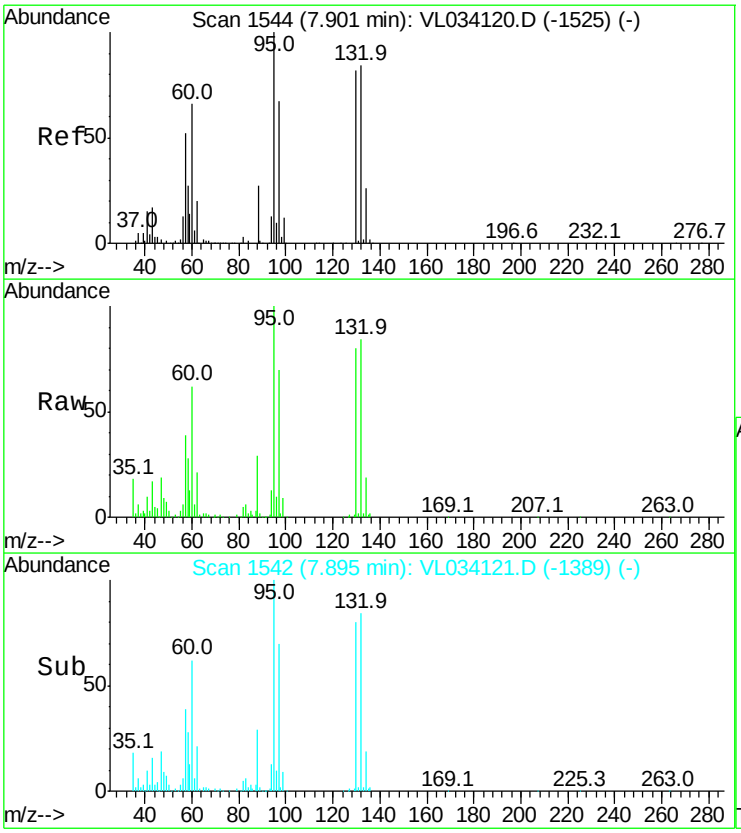
#37
1,2-Dichloroethane
Concen: 2.077 ppbv
RT: 6.35 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 62 Resp: 326202

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.4	6.6

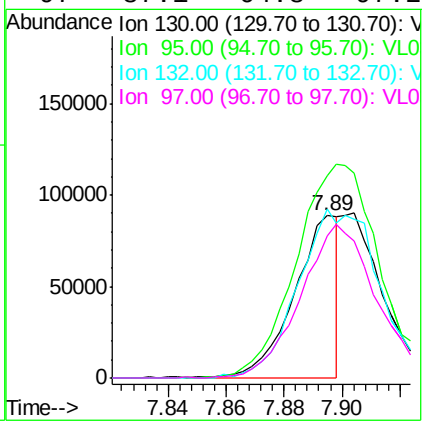


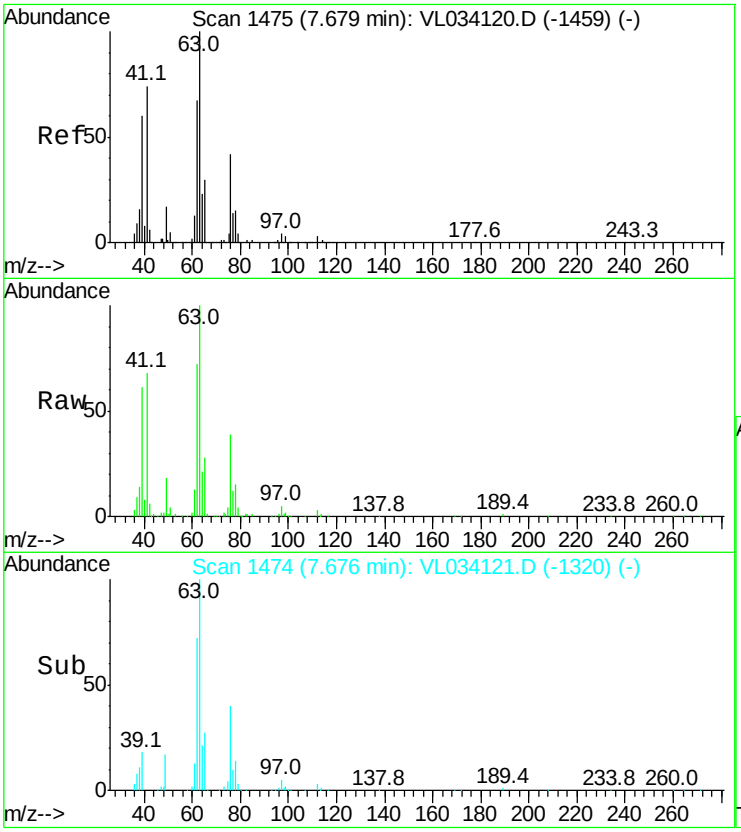


#38
Trichloroethene
Concen: 0.988 ppbv
RT: 7.89 min Scan# 1542
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:130 Resp: 93682

Ion	Ratio	Lower	Upper
130	100		
95	124.3	97.2	145.8
132	104.3	81.4	122.2
97	87.1	64.8	97.2



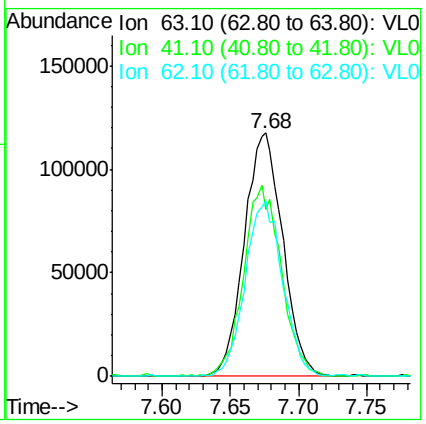


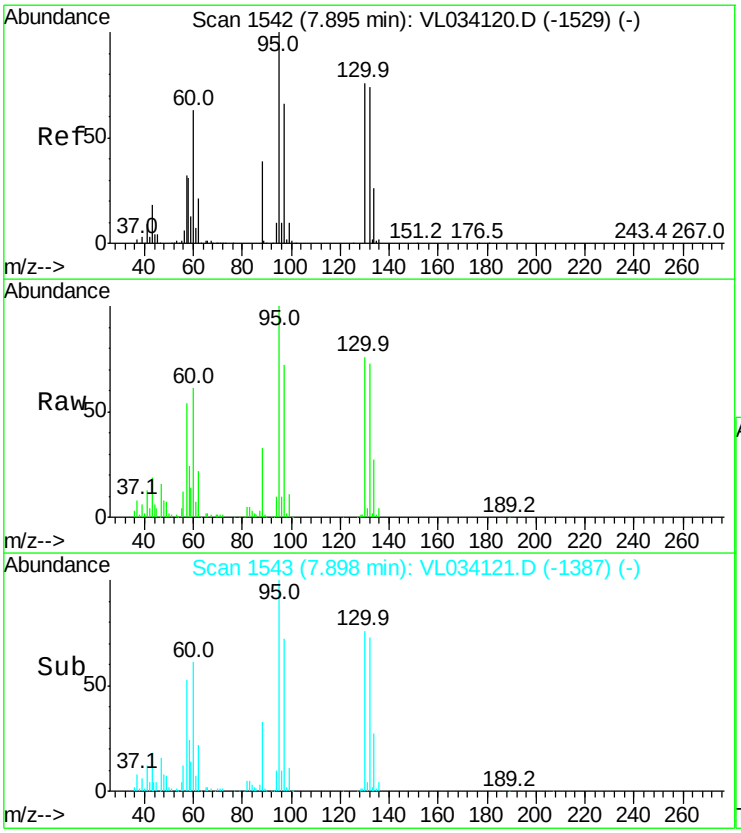
#39
1,2-Dichloropropane
Concen: 2.093 ppbv
RT: 7.68 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 229678

Ion	Ratio	Lower	Upper
63	100		
41	68.1	59.3	88.9
62	72.0	53.8	80.6

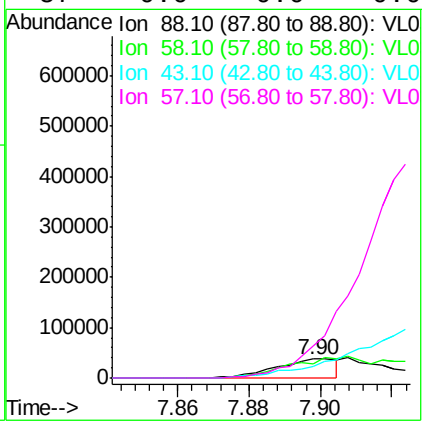


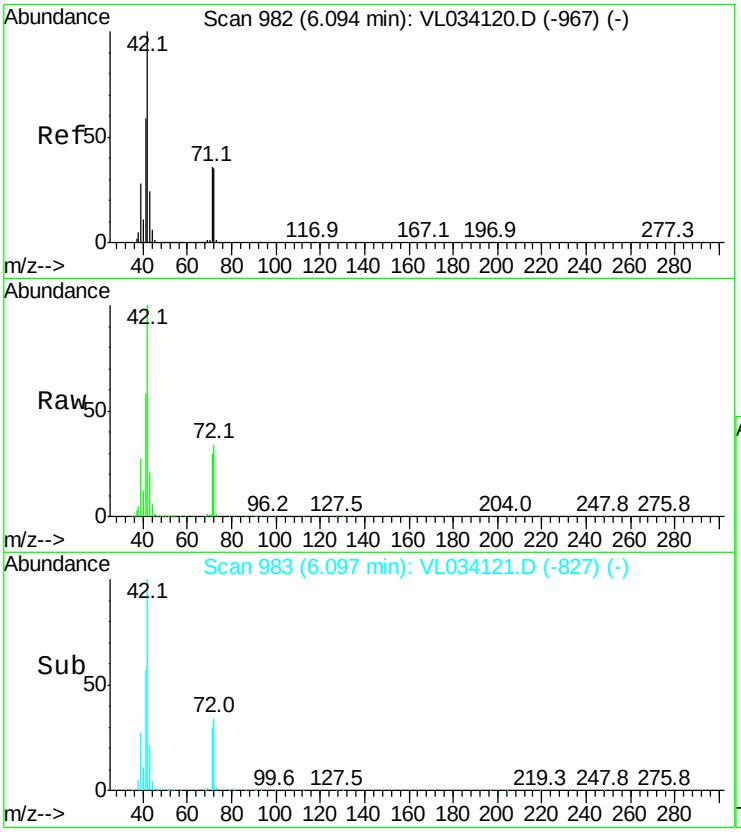


#40
1,4-Dioxane
Concen: 1.119 ppbv
RT: 7.90 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 88 Resp: 45301

Ion	Ratio	Lower	Upper
88	100		
58	0.0	121.7	182.5#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



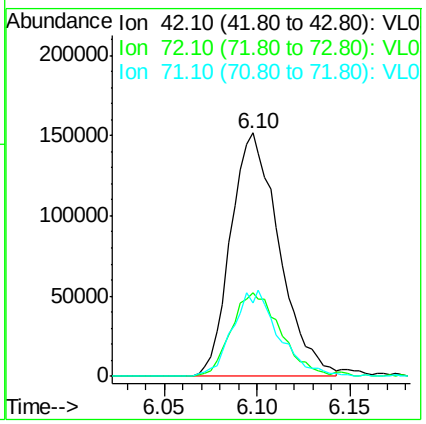


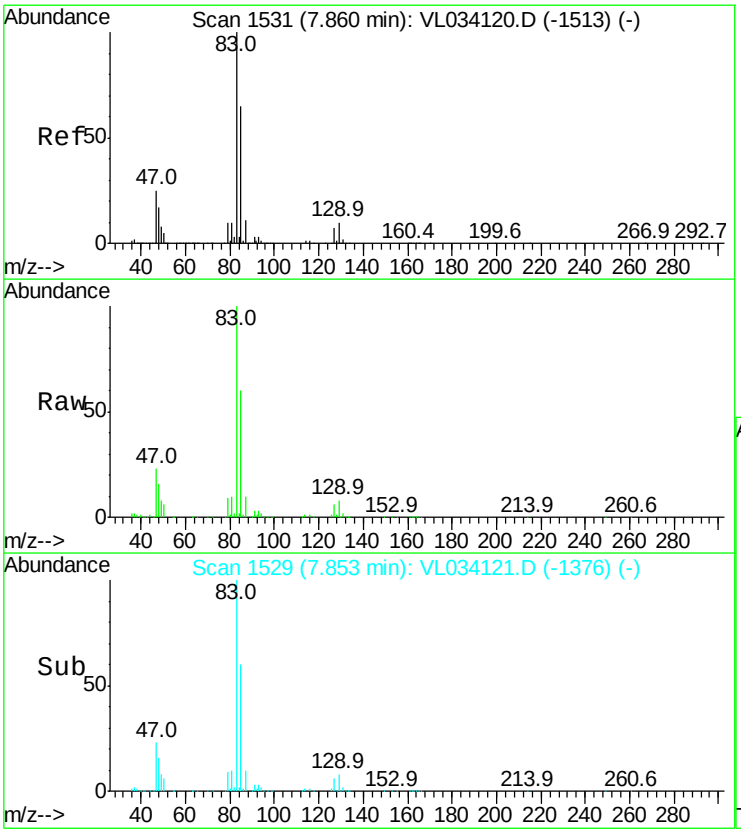
#41
Tetrahydrofuran
Concen: 2.126 ppbv
RT: 6.10 min Scan# 983
Delta R.T. 0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 273584

Ion	Ratio	Lower	Upper
42	100		
72	35.6	27.7	41.5
71	34.0	26.7	40.1

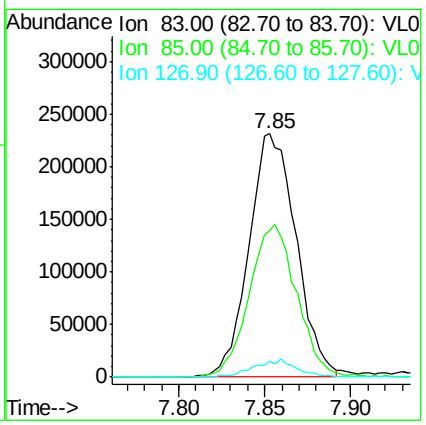


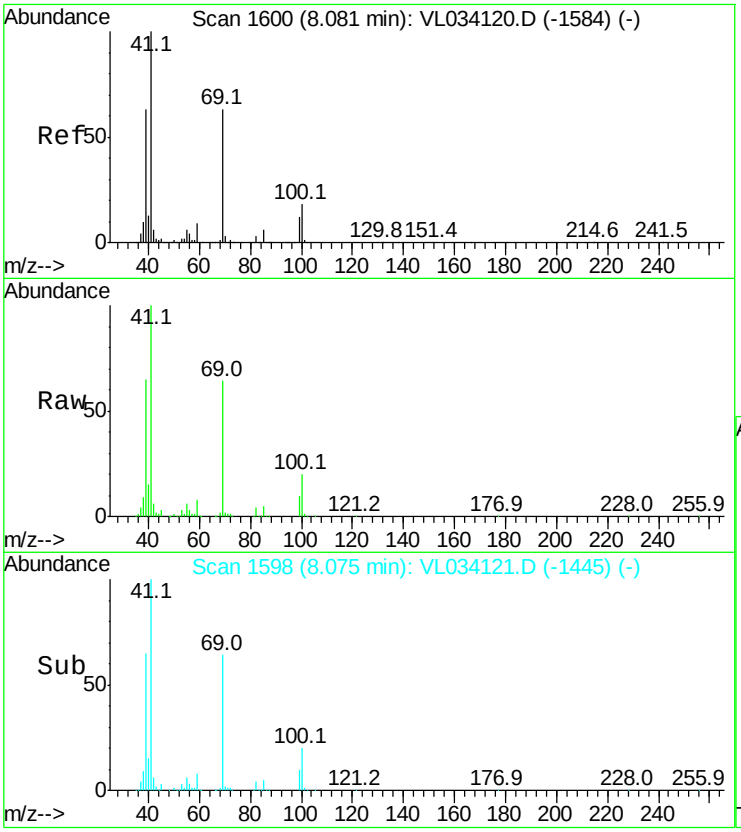


#42
Bromodichloromethane
Concen: 2.142 ppbv
RT: 7.85 min Scan# 1529
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 83 Resp: 439033

Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.6	77.4
127	6.5	5.4	8.0



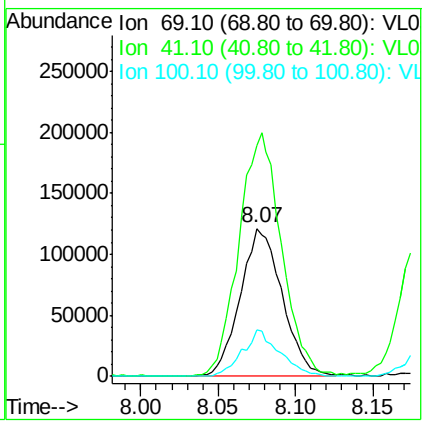


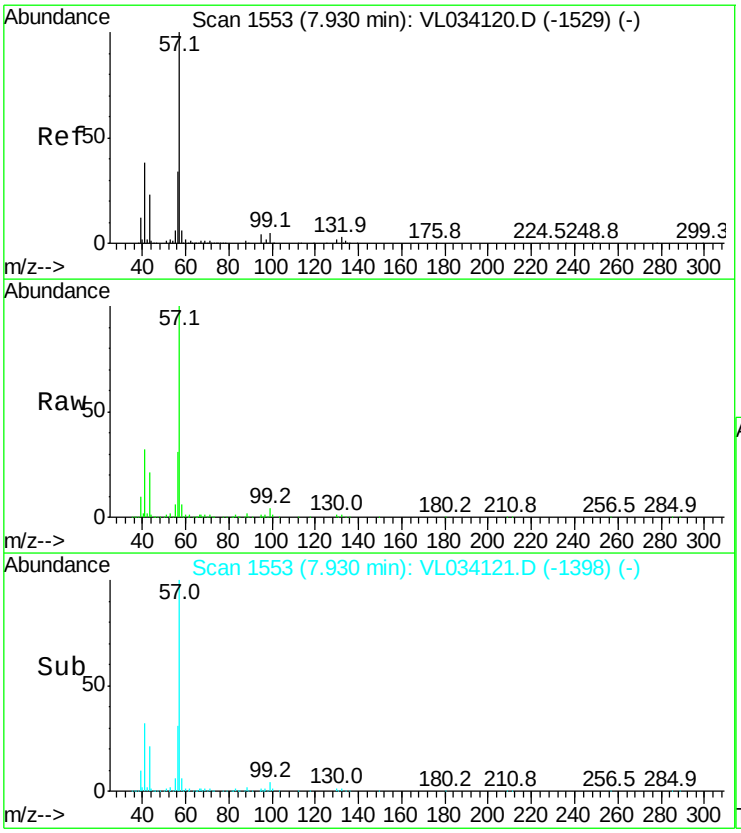
#43
Methyl Methacrylate
Concen: 2.171 ppbv
RT: 8.07 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 69 Resp: 229257

Ion	Ratio	Lower	Upper
69	100		
41	165.8	131.0	196.6
100	28.1	22.6	33.8

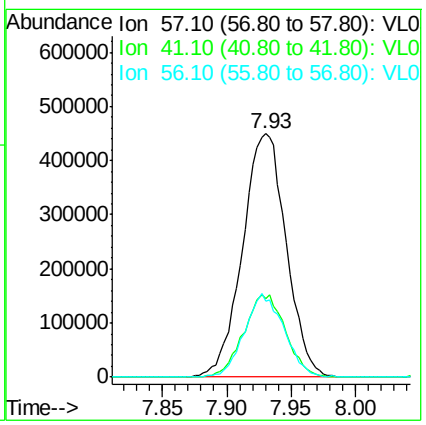


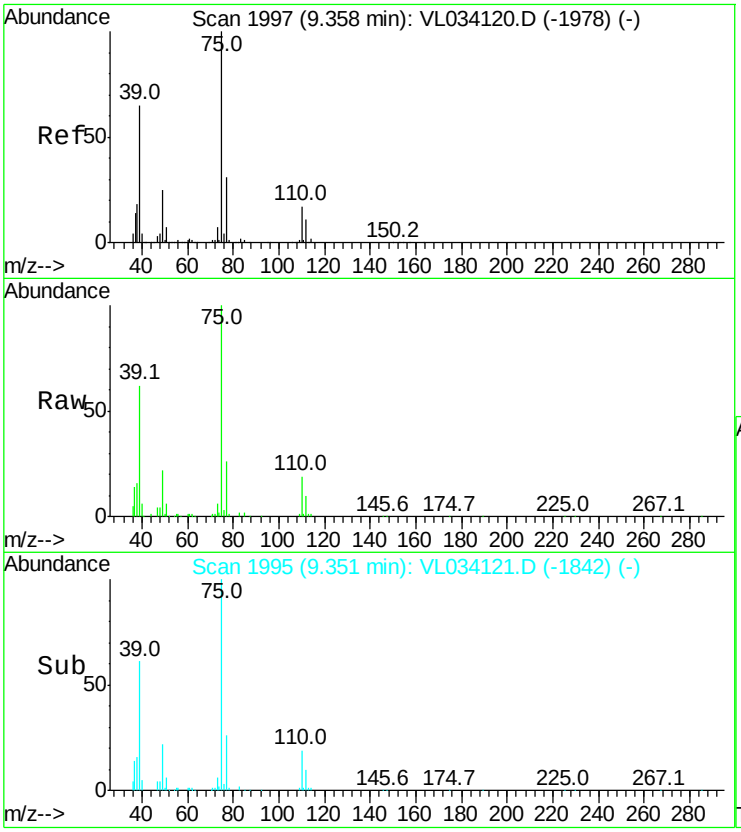


#44
2,2,4-Trimethylpentane
Concen: 2.243 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 57 Resp: 1059993

Ion	Ratio	Lower	Upper
57	100		
41	32.5	28.4	42.6
56	31.3	26.3	39.5



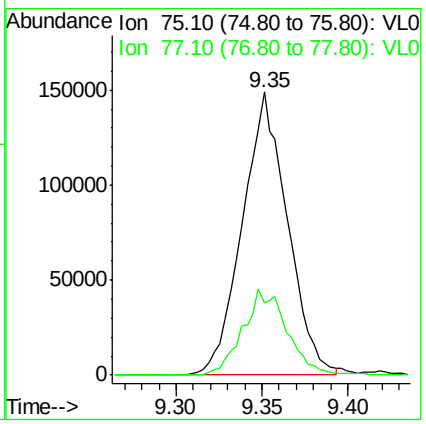


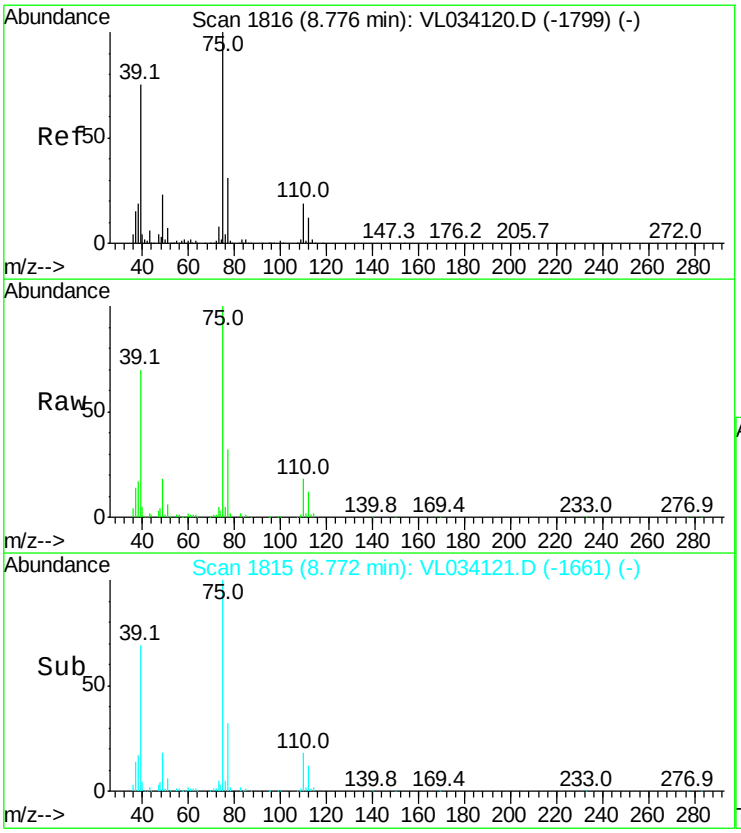
#45
t-1,3-Dichloropropene
Concen: 2.182 ppbv
RT: 9.35 min Scan# 1995
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 270461

Ion	Ratio	Lower	Upper
75	100		
77	25.6	24.6	36.8

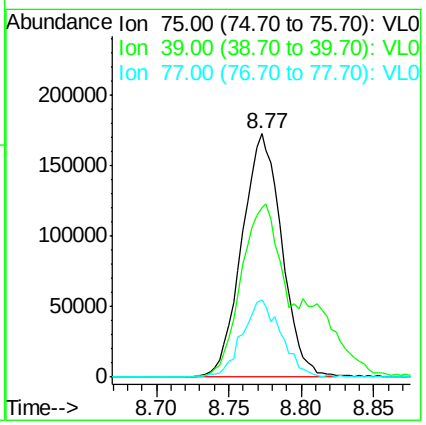


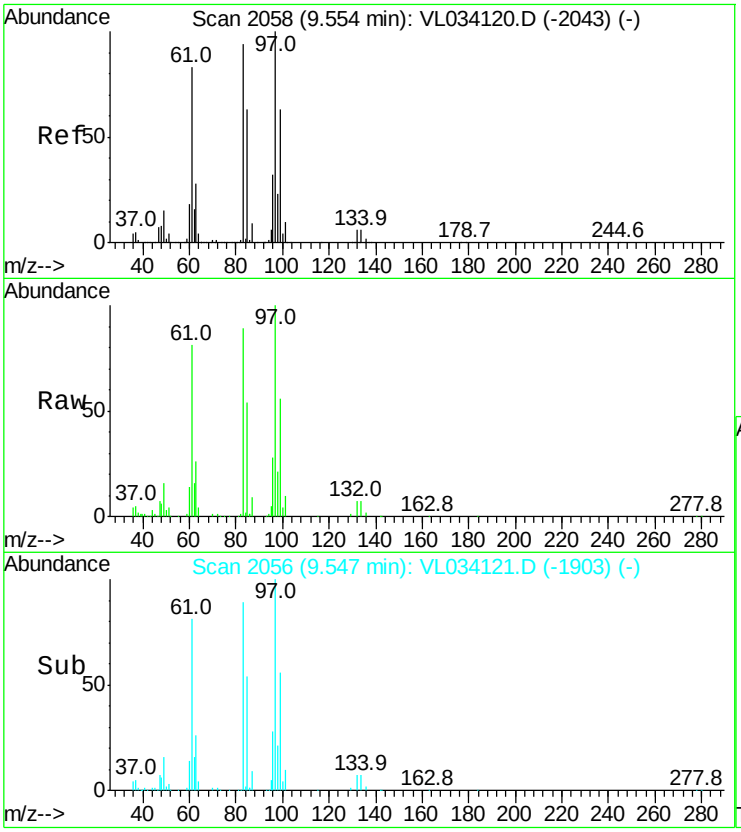


#46
cis-1,3-Dichloropropene
Concen: 2.191 ppbv
RT: 8.77 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 75 Resp: 330758

Ion	Ratio	Lower	Upper
75	100		
39	69.7	60.0	90.0
77	31.7	24.8	37.2



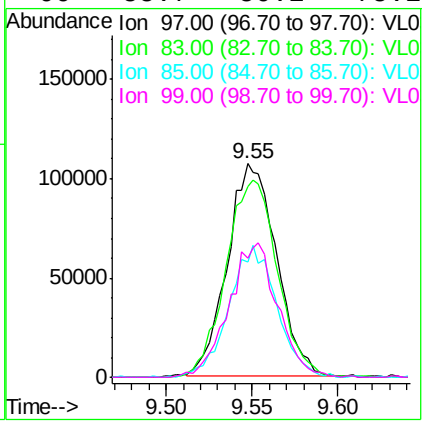


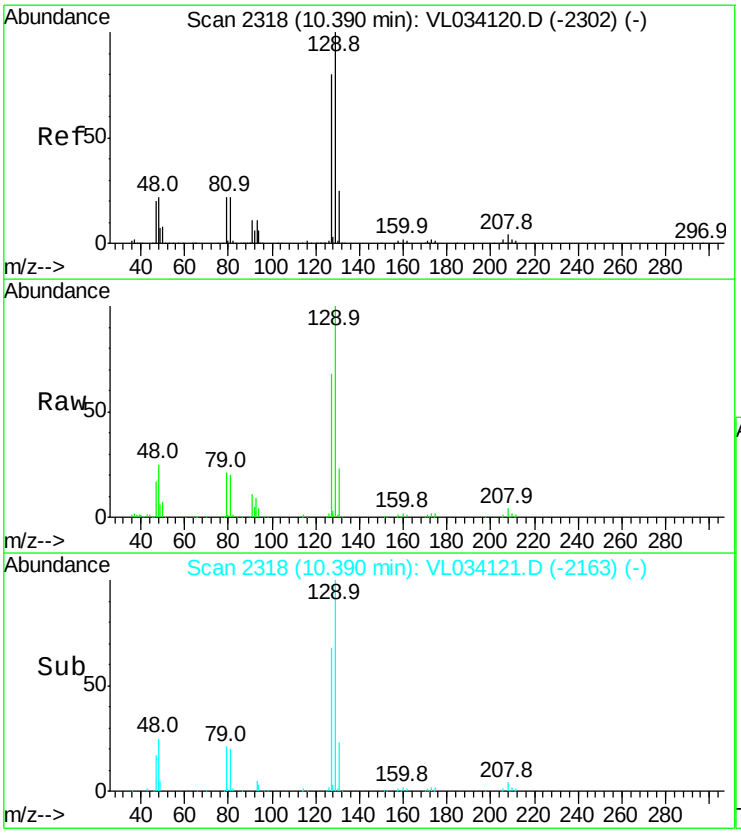
#47
1,1,2-Trichloroethane
Concen: 2.148 ppbv
RT: 9.55 min Scan# 2056
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 97 Resp: 214385

Ion	Ratio	Lower	Upper
97	100		
83	89.3	74.9	112.3
85	53.6	50.6	75.8
99	55.7	50.2	75.2

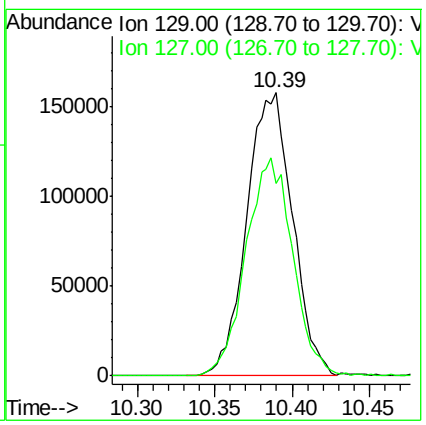


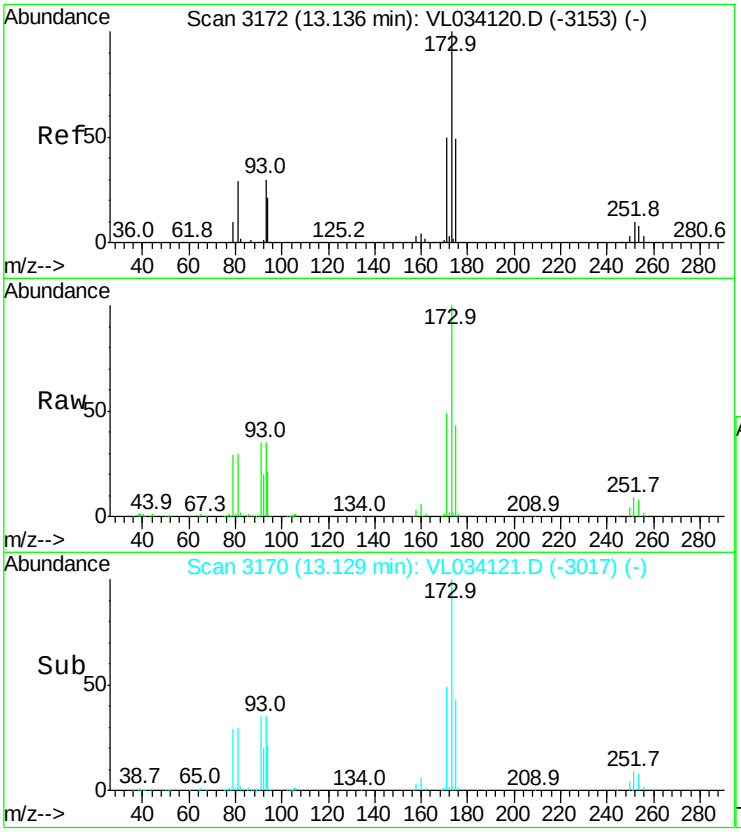


#48
Dibromochloromethane
Concen: 2.180 ppbv
RT: 10.39 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:129 Resp: 325051

Ion	Ratio	Lower	Upper
129	100		
127	78.8	40.2	120.6



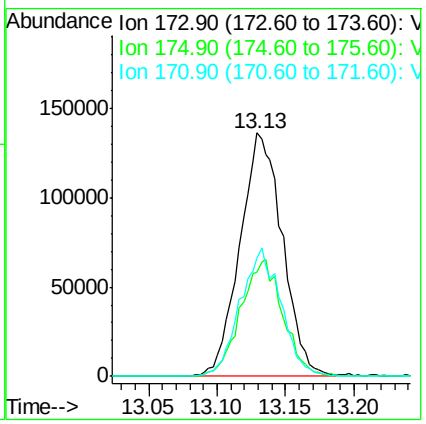


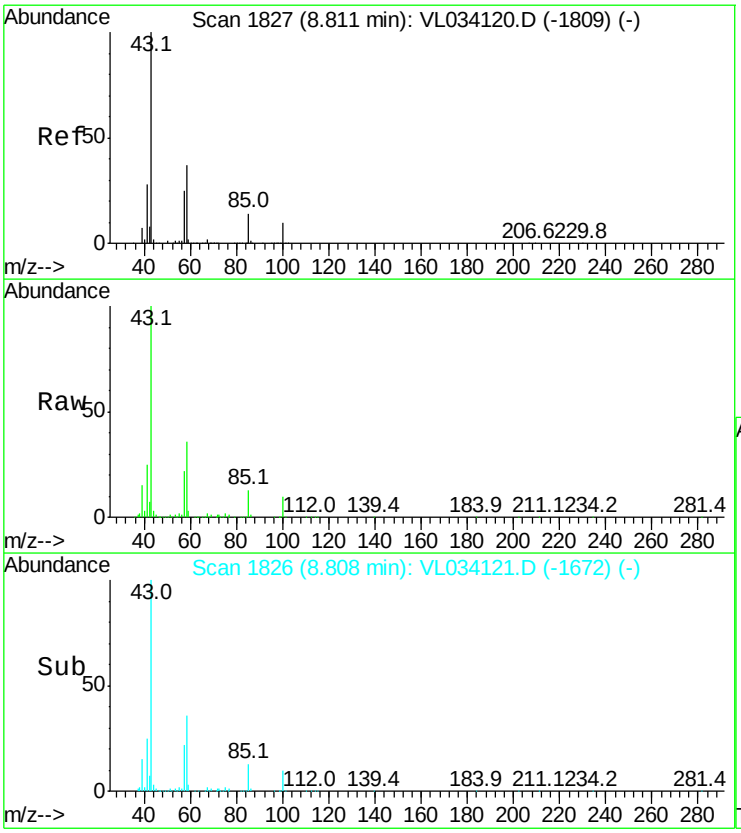
#49
Bromoform
Concen: 2.254 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 294276

Ion	Ratio	Lower	Upper
173	100		
175	47.6	40.0	60.0
171	50.7	42.2	63.2

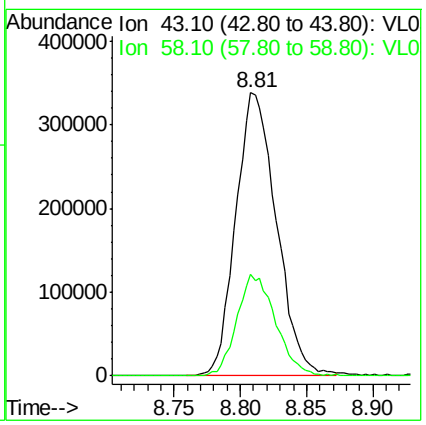


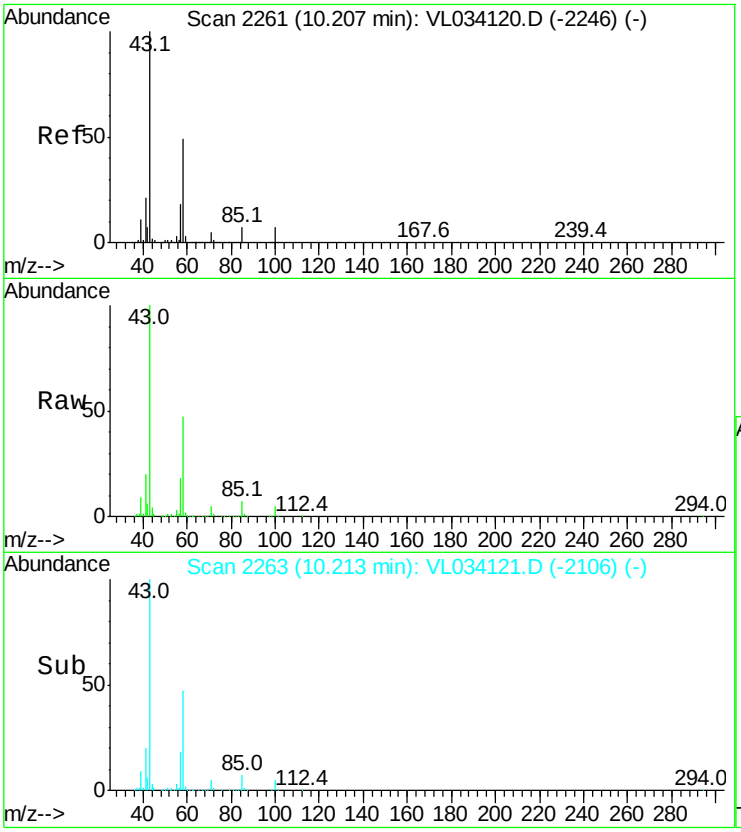


#50
4-Methyl-2-Pentanone
Concen: 2.198 ppbv
RT: 8.81 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 43 Resp: 723042

Ion	Ratio	Lower	Upper
43	100		
58	34.3	28.5	42.7



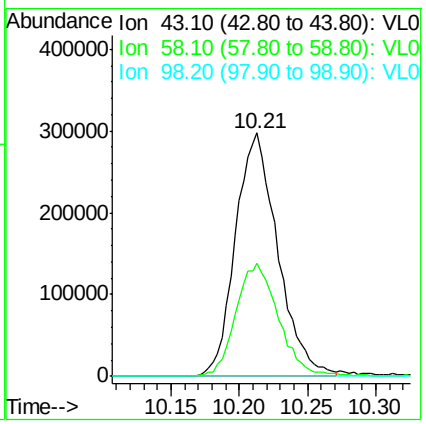


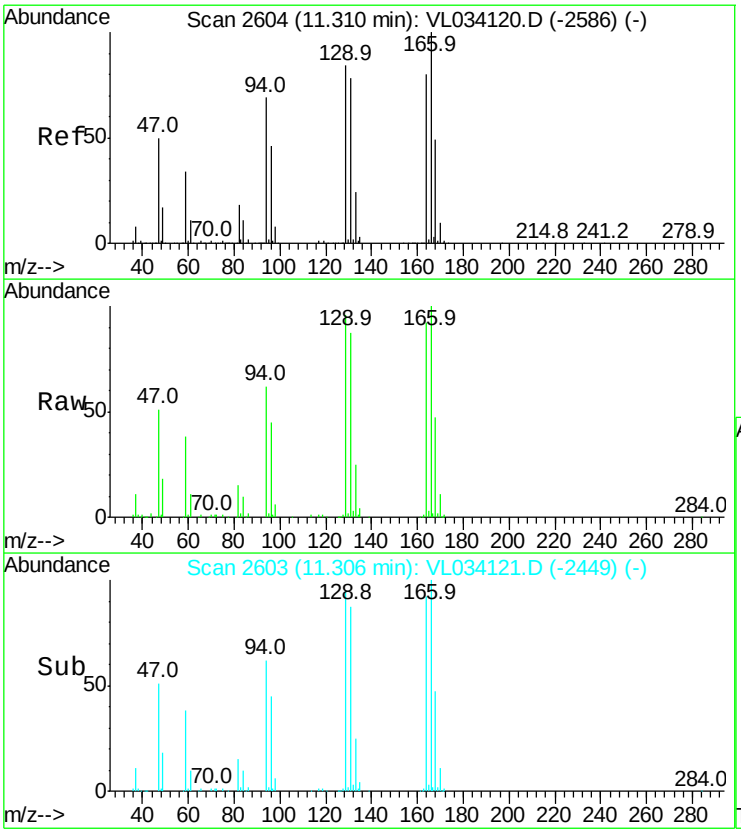
#51
2-Hexanone
Concen: 2.274 ppbv
RT: 10.21 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 640137

Ion	Ratio	Lower	Upper
43	100		
58	47.0	38.2	57.2
98	0.2	0.1	0.1#

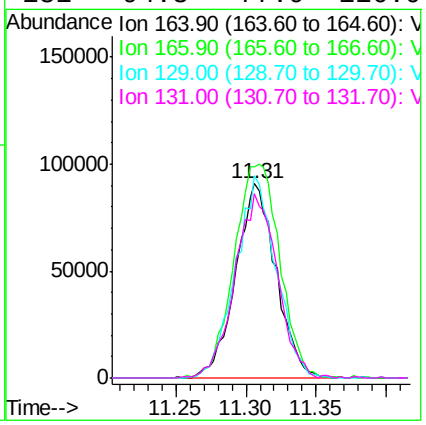


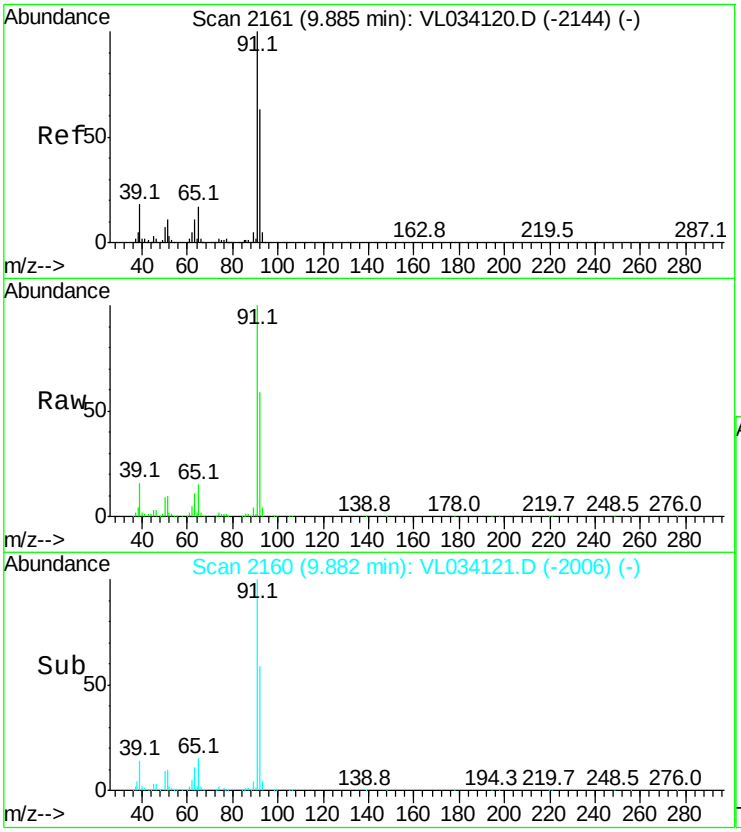


#52
Tetrachloroethene
Concen: 2.032 ppbv
RT: 11.31 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:164 Resp: 182283

Ion	Ratio	Lower	Upper
164	100		
166	108.3	99.5	149.3
129	103.6	83.6	125.4
131	94.3	77.9	116.9



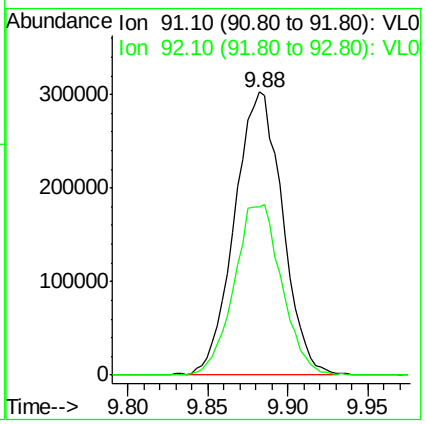


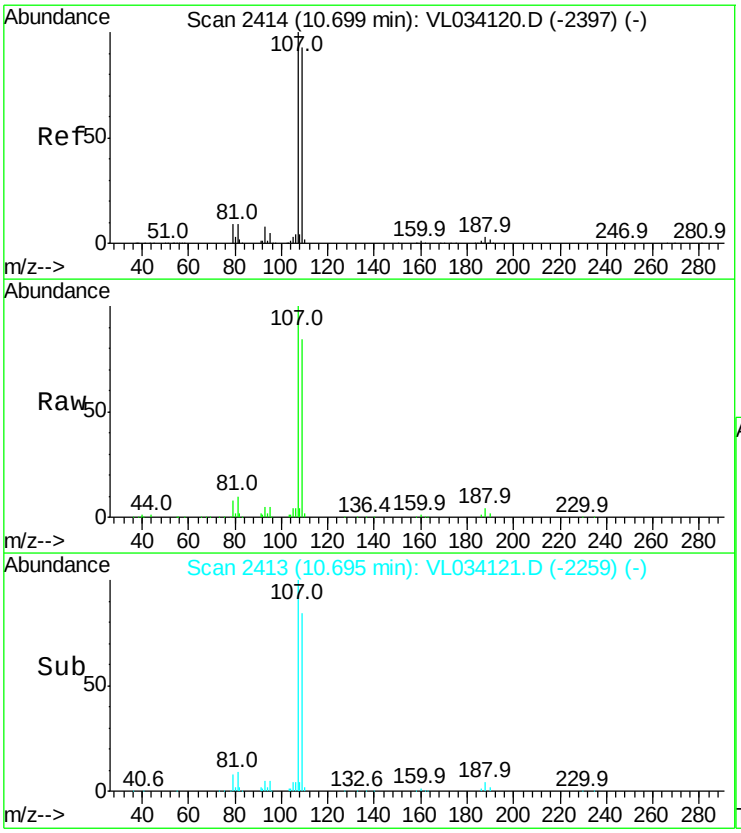
#53
Toluene
Concen: 2.167 ppbv
RT: 9.88 min Scan# 2160
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 614285

Ion	Ratio	Lower	Upper
91	100		
92	60.3	49.3	73.9

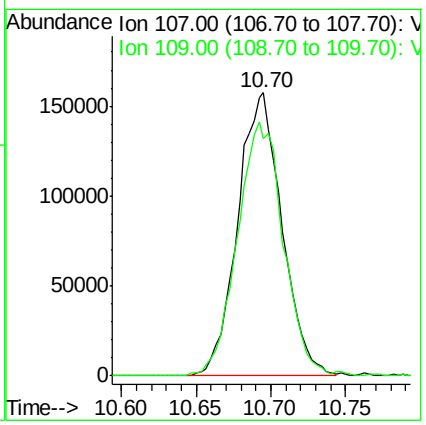


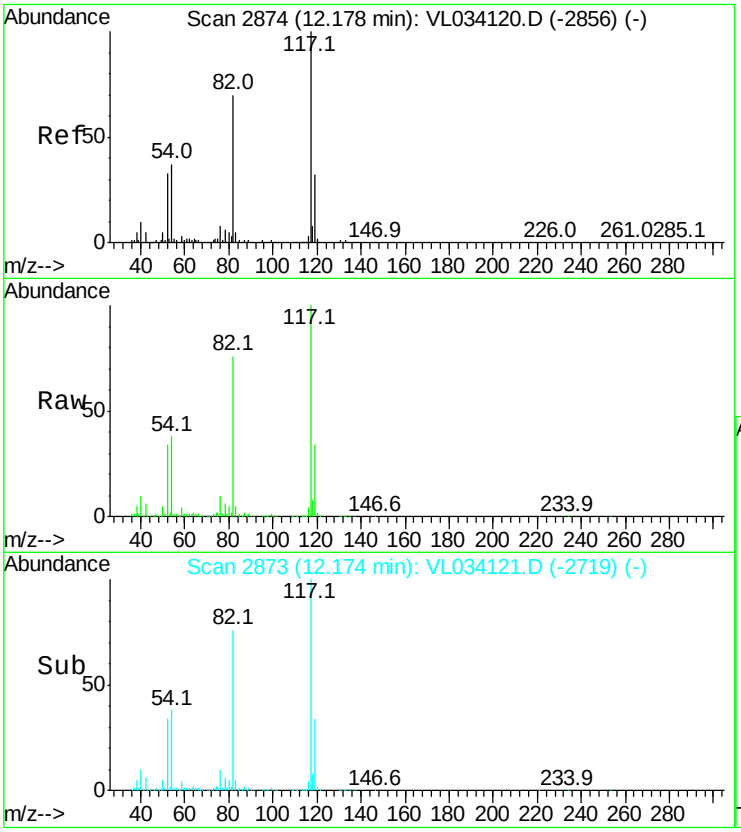


#54
1,2-Dibromoethane
Concen: 2.180 ppbv
RT: 10.70 min Scan# 2413
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:107 Resp: 323689

Ion	Ratio	Lower	Upper
107	100		
109	83.6	74.5	111.7



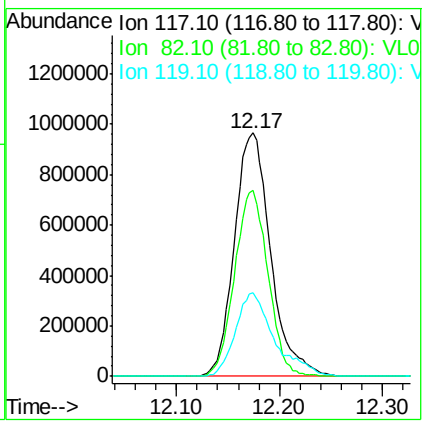


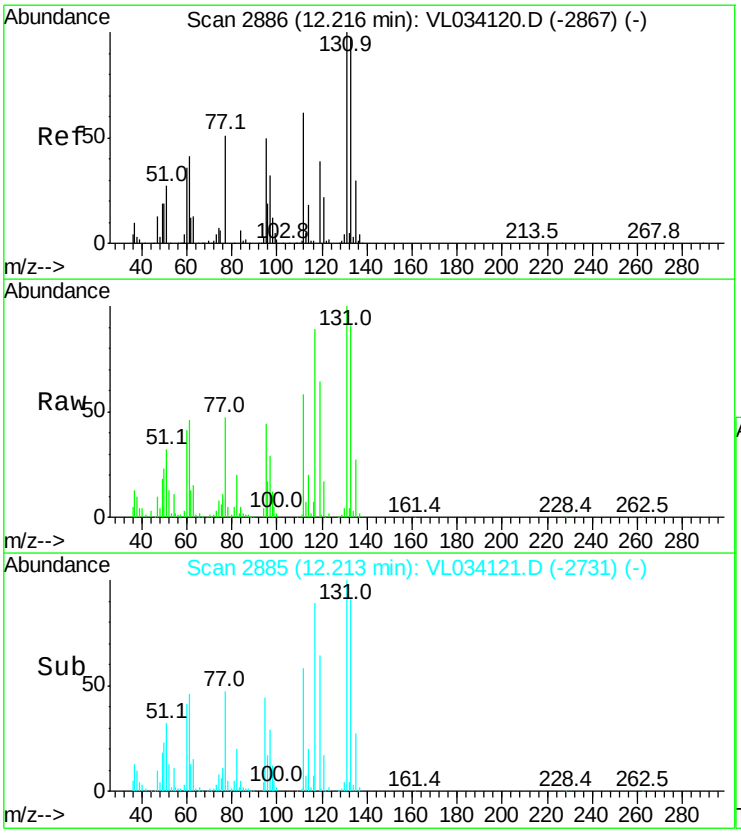
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 2366688

Ion	Ratio	Lower	Upper
117	100		
82	70.4	55.8	83.6
119	36.9	43.1	64.7#

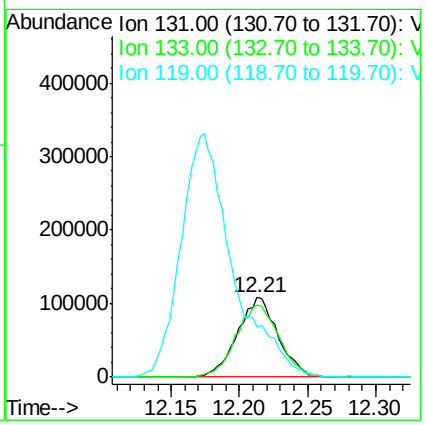


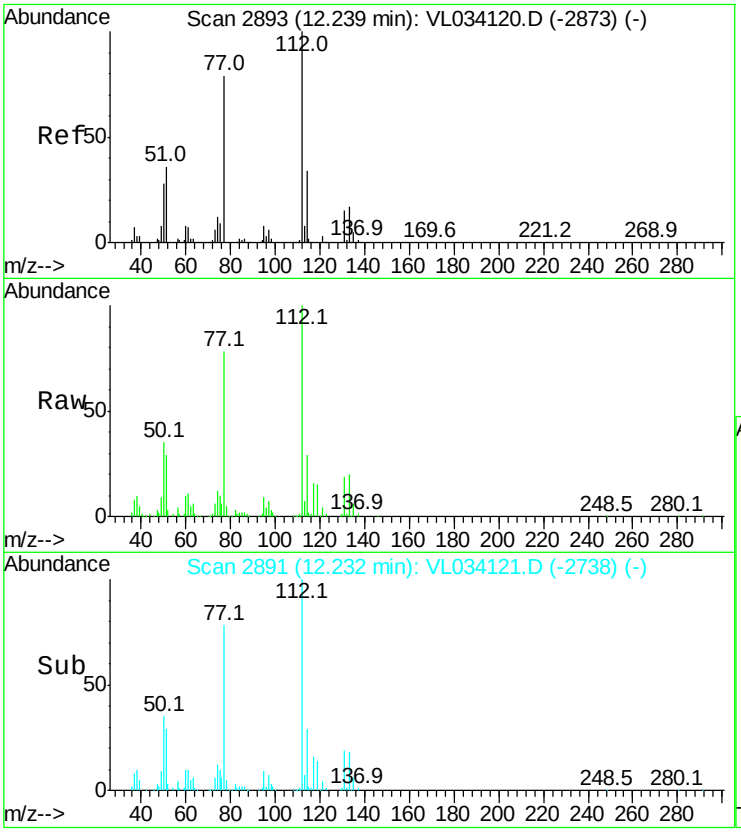


#56
1,1,1,2-Tetrachloroethane
Concen: 2.209 ppbv
RT: 12.21 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:131 Resp: 224229

Ion	Ratio	Lower	Upper
131	100		
133	95.9	75.8	113.6
119	389.5	114.7	172.1#



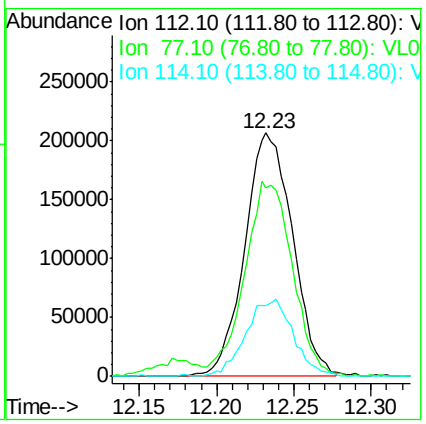


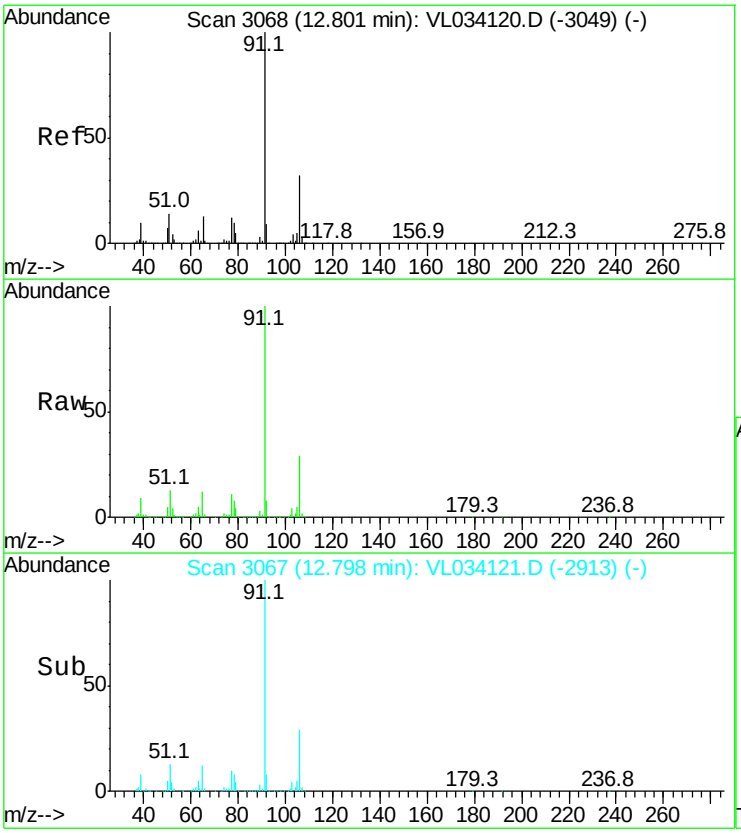
#57
Chlorobenzene
Concen: 2.189 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 445754

Ion	Ratio	Lower	Upper
112	100		
77	76.8	64.4	96.6
114	29.0	30.3	37.1#

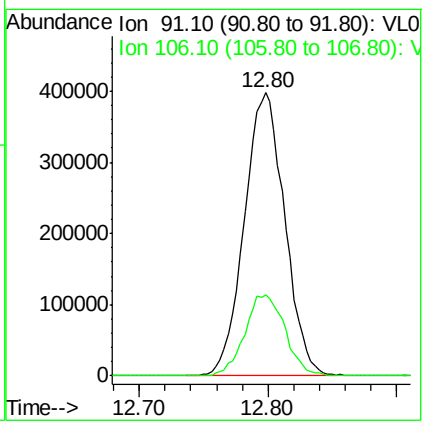


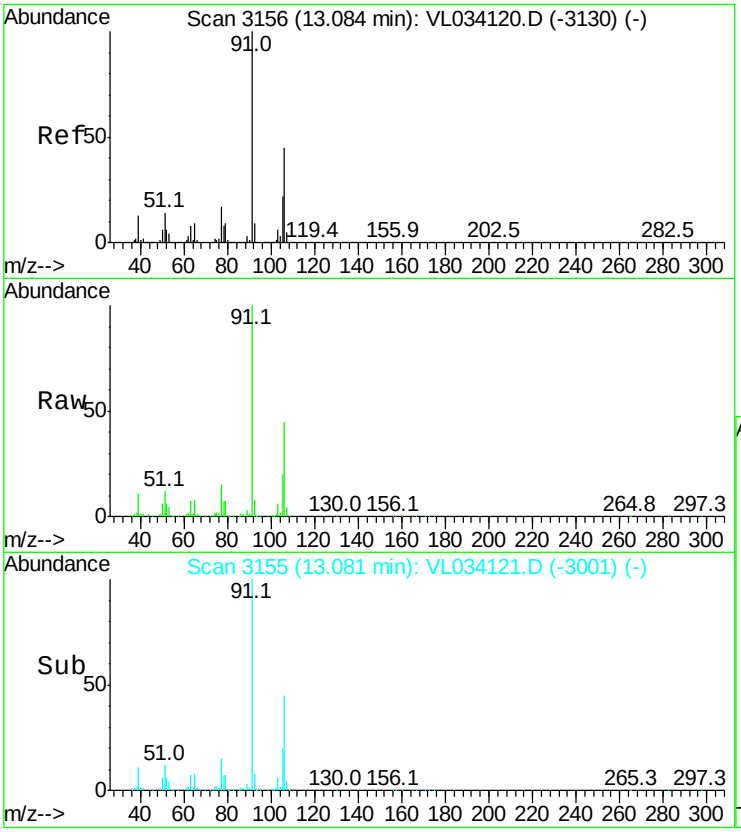


#58
Ethyl Benzene
Concen: 2.239 ppbv
RT: 12.80 min Scan# 3067
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 91 Resp: 867879

Ion	Ratio	Lower	Upper
91	100		
106	28.9	25.3	37.9



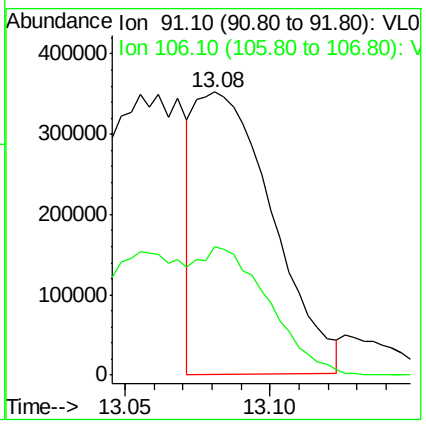


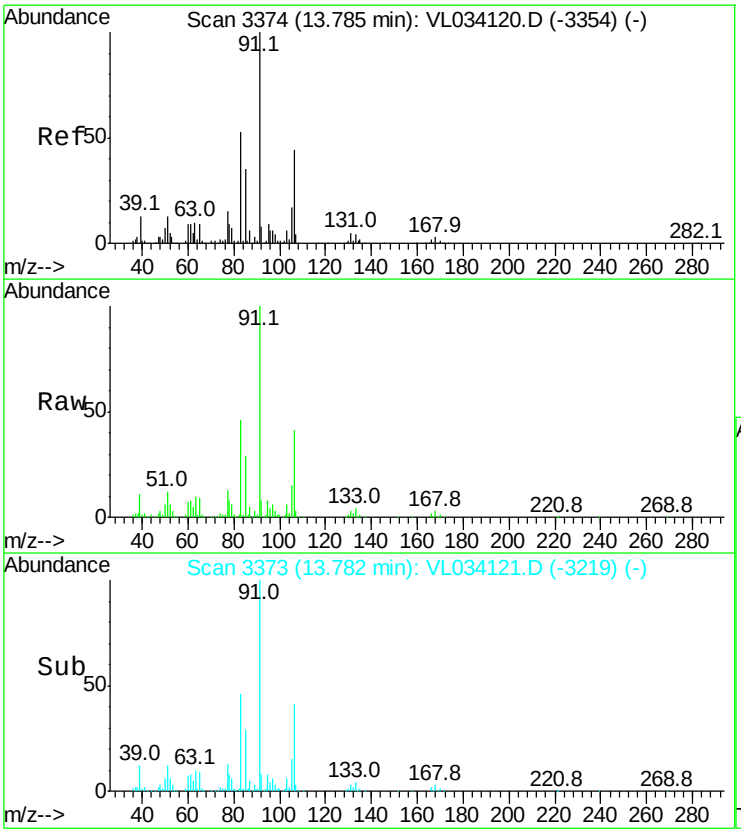
#59
m/p-Xylene
Concen: 2.061 ppbv
RT: 13.08 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 650851

Ion	Ratio	Lower	Upper
91	100		
106	93.3	35.4	53.2#

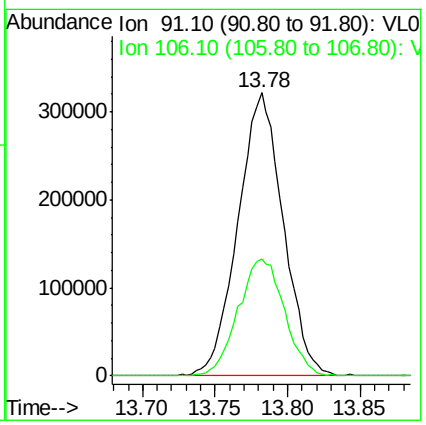


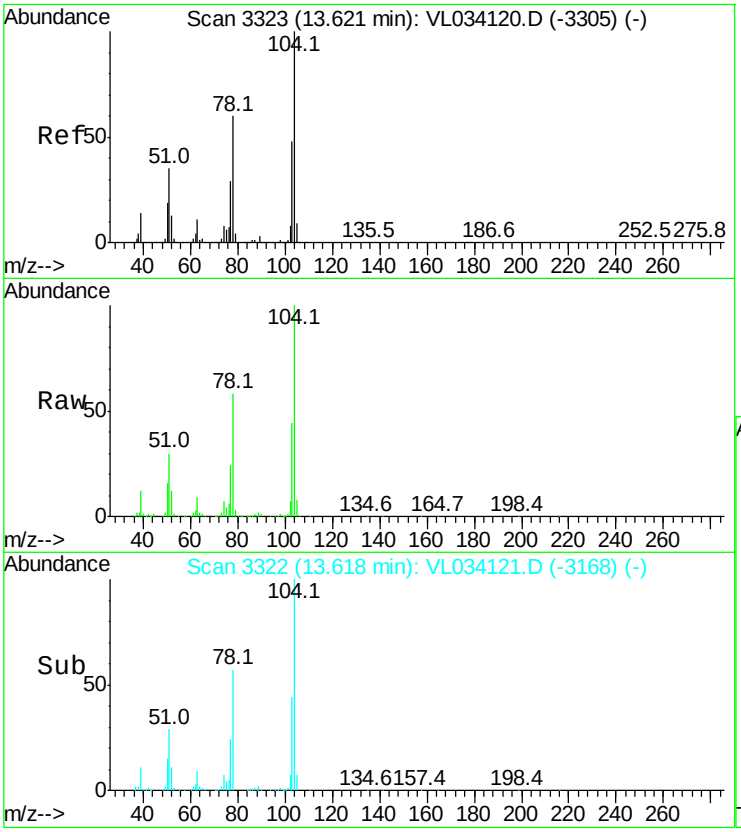


#60
o-Xylene
Concen: 2.195 ppbv
RT: 13.78 min Scan# 3373
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 91 Resp: 692055

Ion	Ratio	Lower	Upper
91	100		
106	42.8	21.4	64.3



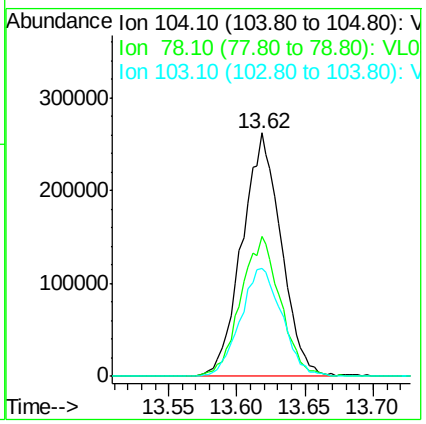


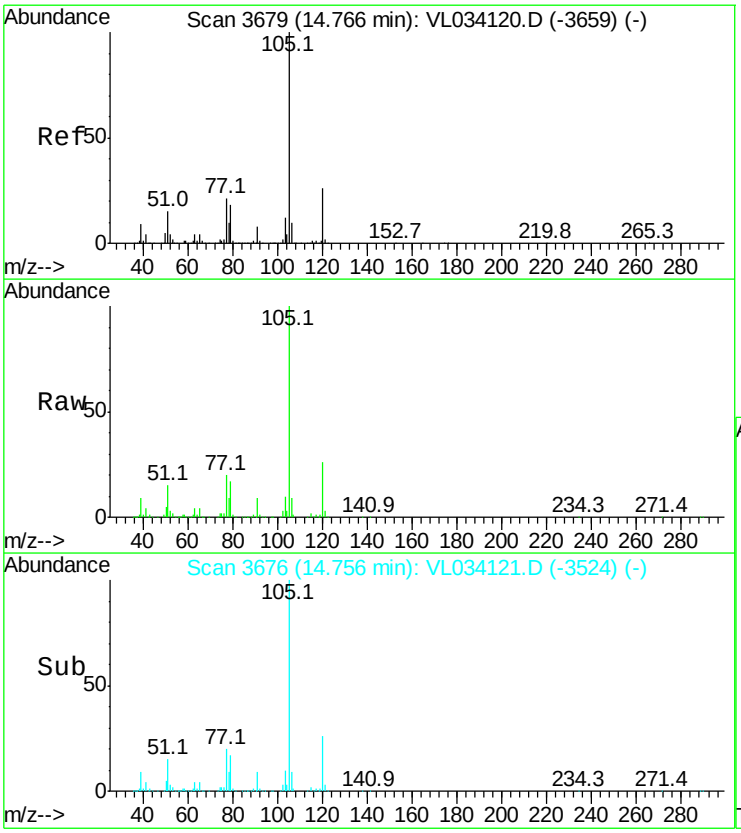
#61
Styrene
Concen: 2.222 ppbv
RT: 13.62 min Scan# 3322
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 523483

Ion	Ratio	Lower	Upper
104	100		
78	58.5	47.8	71.6
103	47.0	38.7	58.1

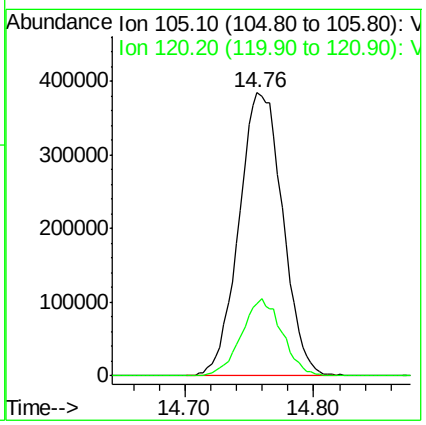


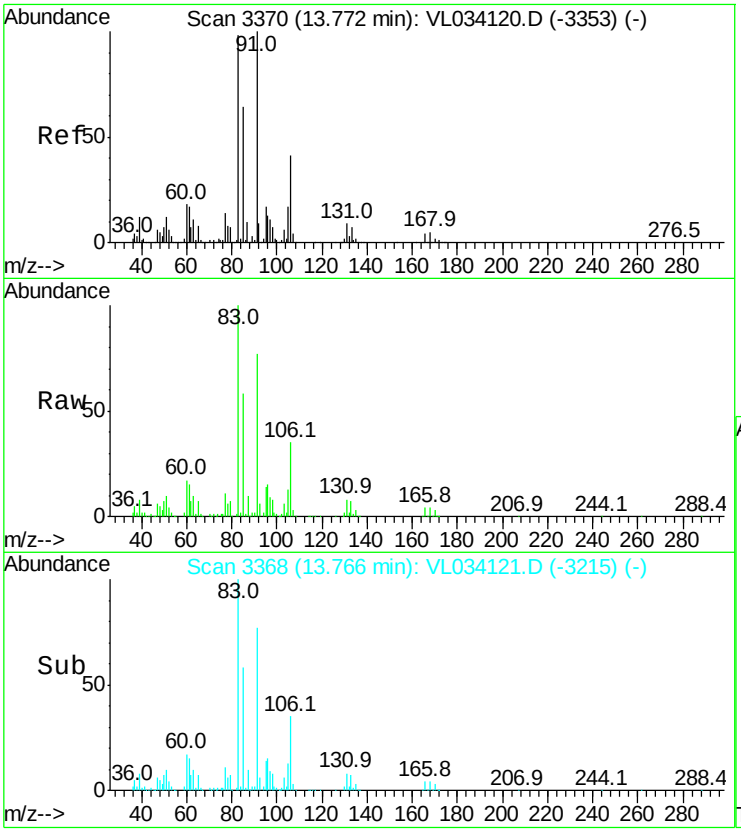


#62
Isopropylbenzene
Concen: 2.213 ppbv
RT: 14.76 min Scan# 3676
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:105 Resp: 907426

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.6	31.0



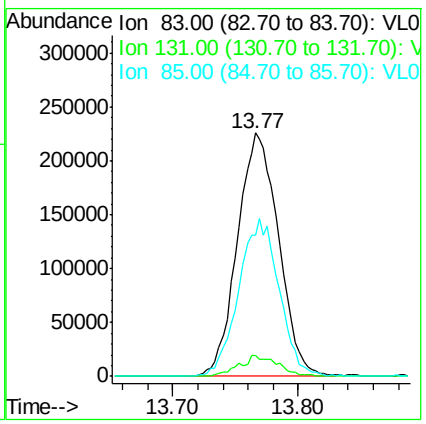


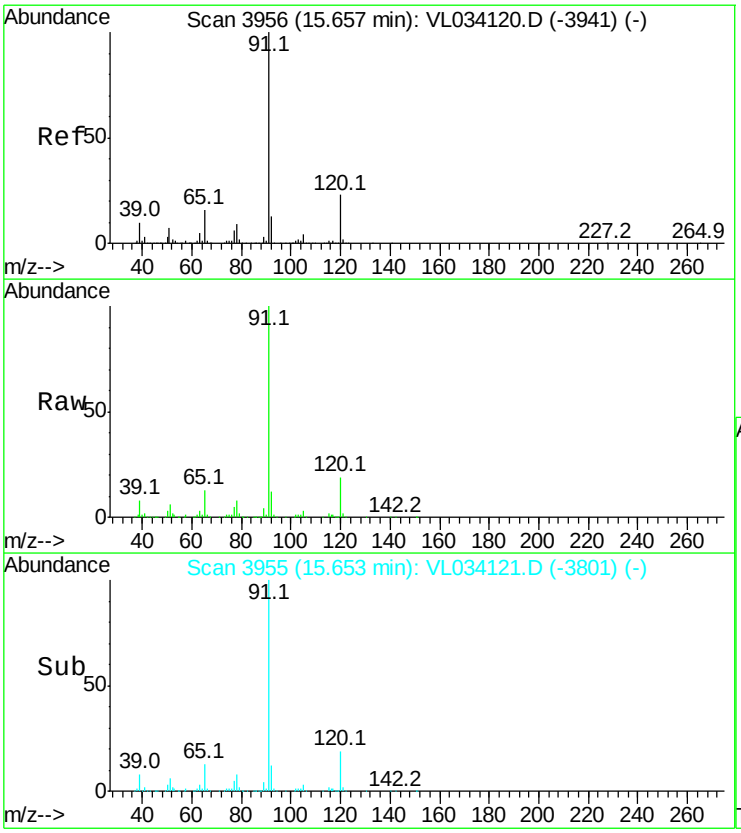
#63
1,1,2,2-Tetrachloroethane
Concen: 1.994 ppbv
RT: 13.77 min Scan# 3368
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 514309

Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.3	12.8
85	63.7	32.5	97.5

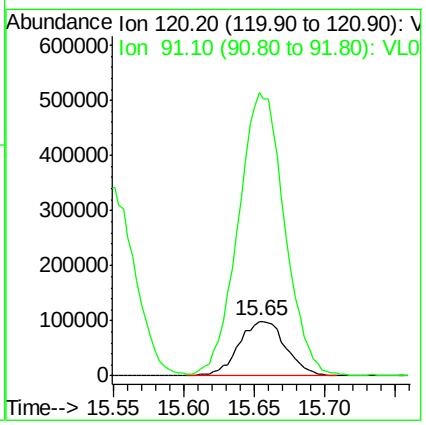


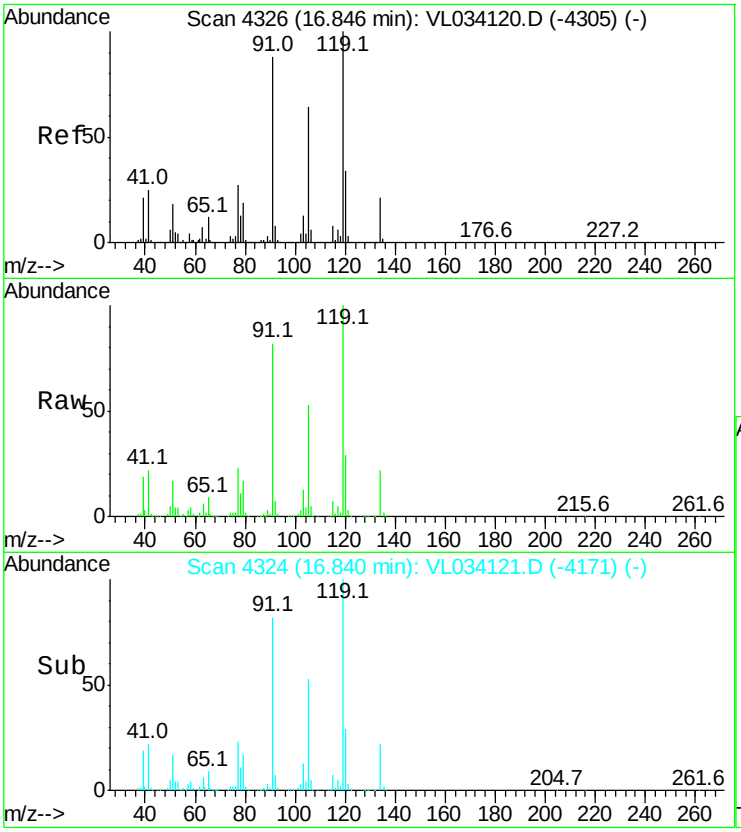


#64
n-propylbenzene
Concen: 2.211 ppbv
RT: 15.65 min Scan# 3955
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:120 Resp: 230558

Ion	Ratio	Lower	Upper
120	100		
91	513.2	376.8	565.2



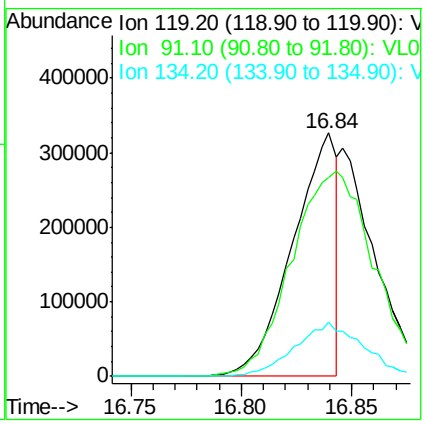


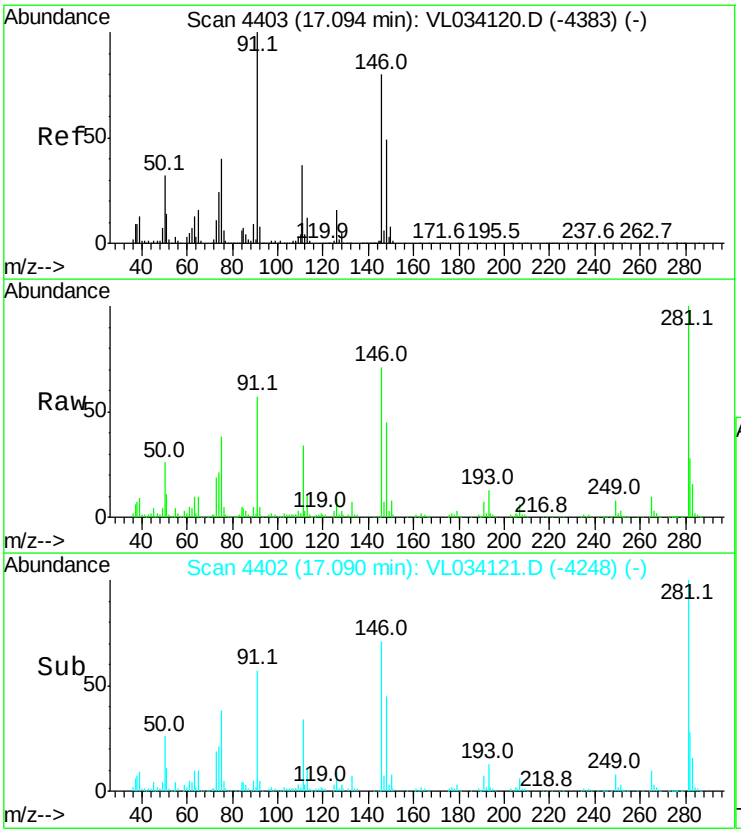
#65
tert-Butylbenzene
Concen: 1.285 ppbv
RT: 16.84 min Scan# 4324
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:119 Resp: 454021

Ion	Ratio	Lower	Upper
119	100		
91	0.0	72.8	109.2#
134	34.7	15.8	23.8#

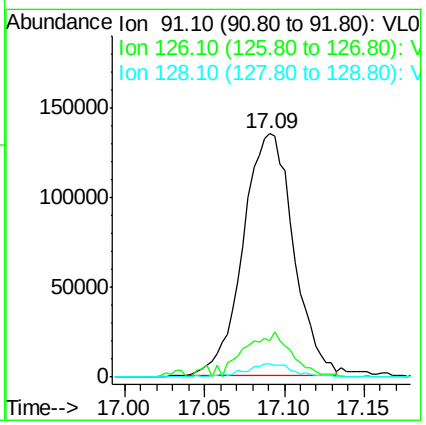


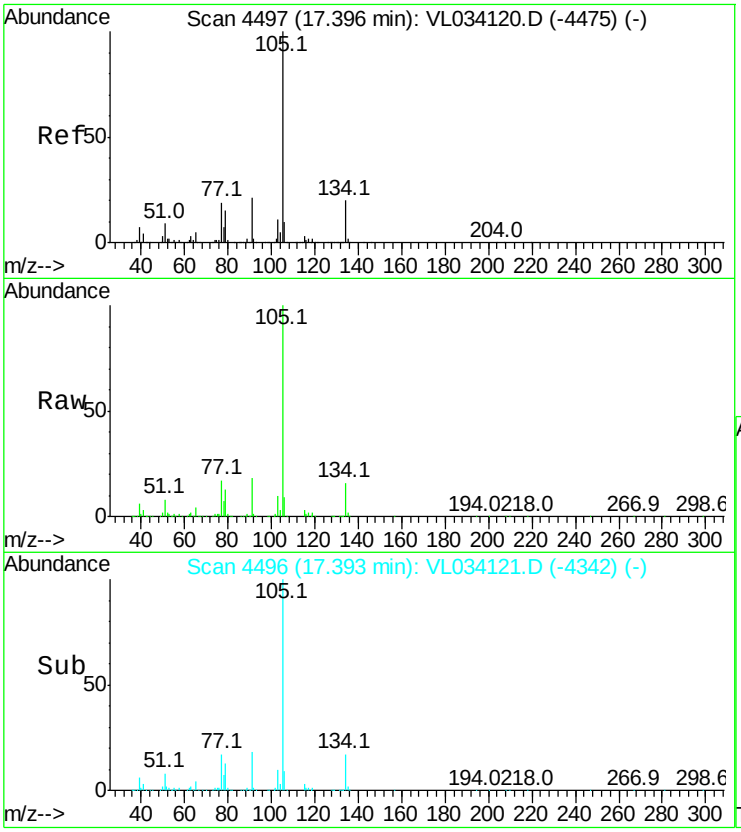


#66
Benzyl Chloride
Concen: 2.244 ppbv
RT: 17.09 min Scan# 4402
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 91 Resp: 292165

Ion	Ratio	Lower	Upper
91	100		
126	19.5	13.7	20.5
128	5.5	4.2	6.4



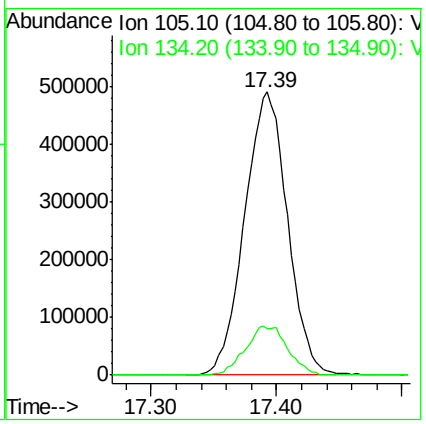


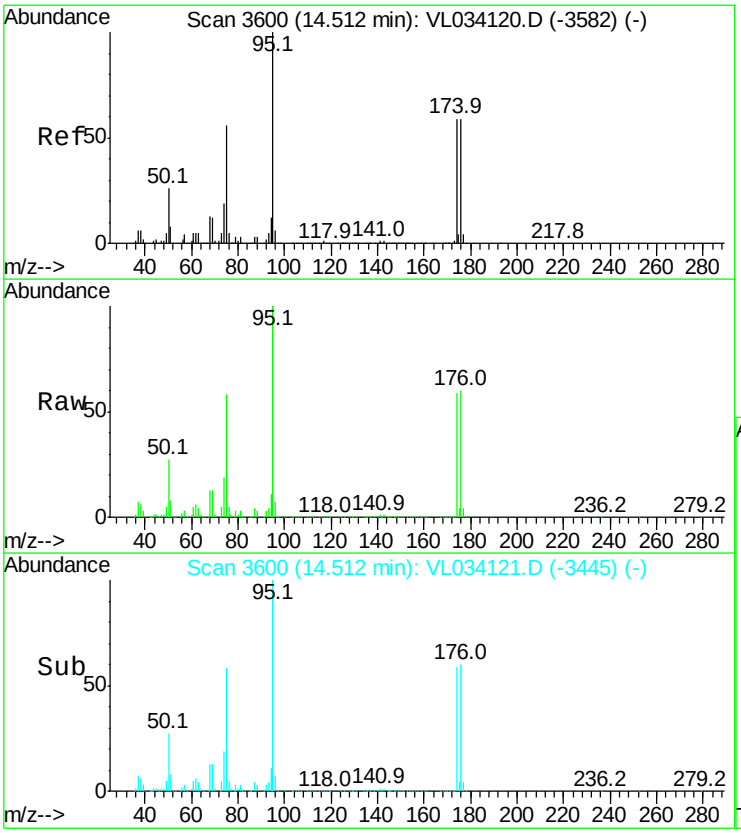
#67
sec-Butylbenzene
Concen: 2.289 ppbv
RT: 17.39 min Scan# 4496
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 1165080

Ion	Ratio	Lower	Upper
105	100		
134	17.2	15.0	22.4

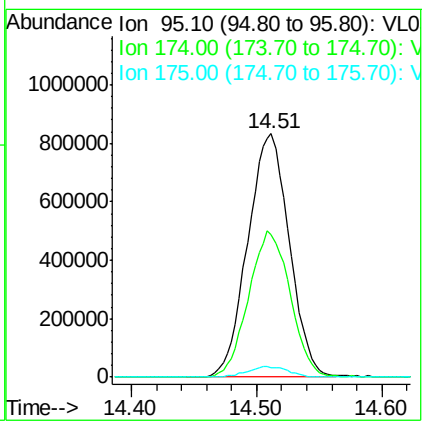


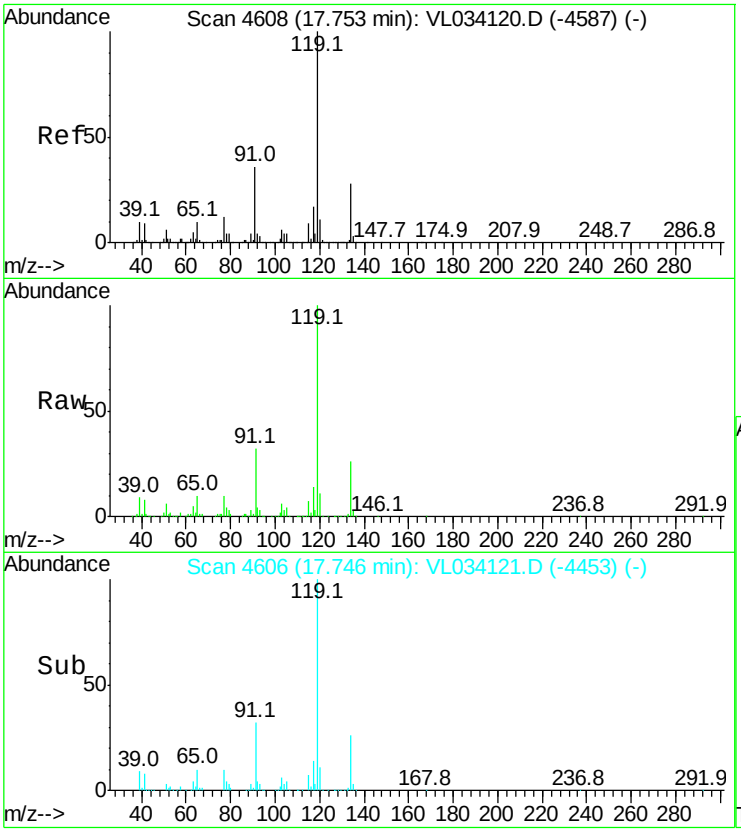


#68
1-Bromo-4-Fluorobenzene
Concen: 9.920 ppbv
RT: 14.51 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 95 Resp: 1919383

Ion	Ratio	Lower	Upper
95	100		
174	60.2	48.1	72.1
175	4.3	3.5	5.3



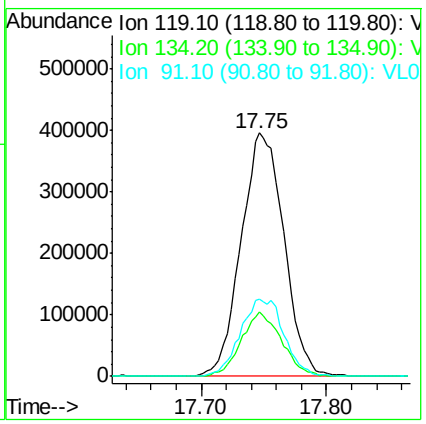


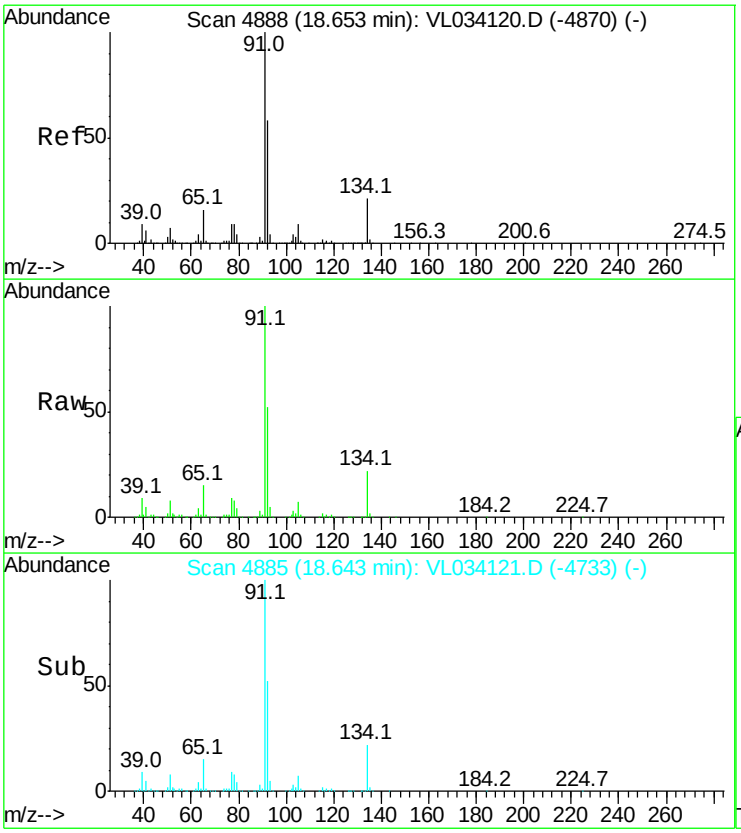
#69
p-Isopropyltoluene
Concen: 2.295 ppbv
RT: 17.75 min Scan# 4606
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 932925

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.8	31.2
91	32.5	27.2	40.8

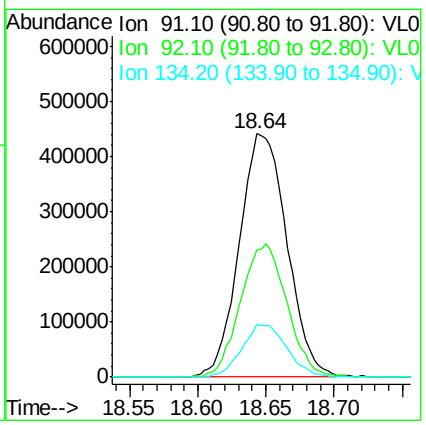


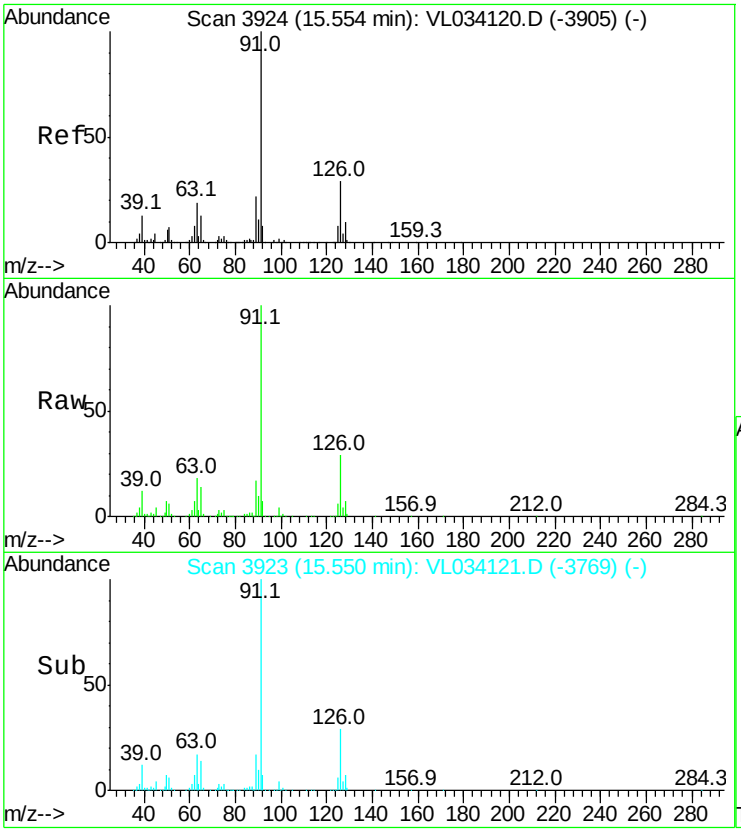


#70
n-Butylbenzene
Concen: 2.300 ppbv
RT: 18.64 min Scan# 4885
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion: 91 Resp: 1066298

Ion	Ratio	Lower	Upper
91	100		
92	53.8	45.3	67.9
134	20.6	17.4	26.0



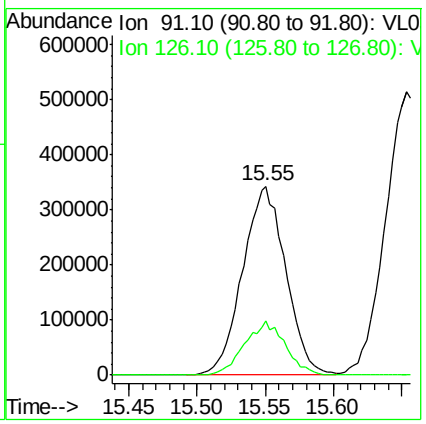


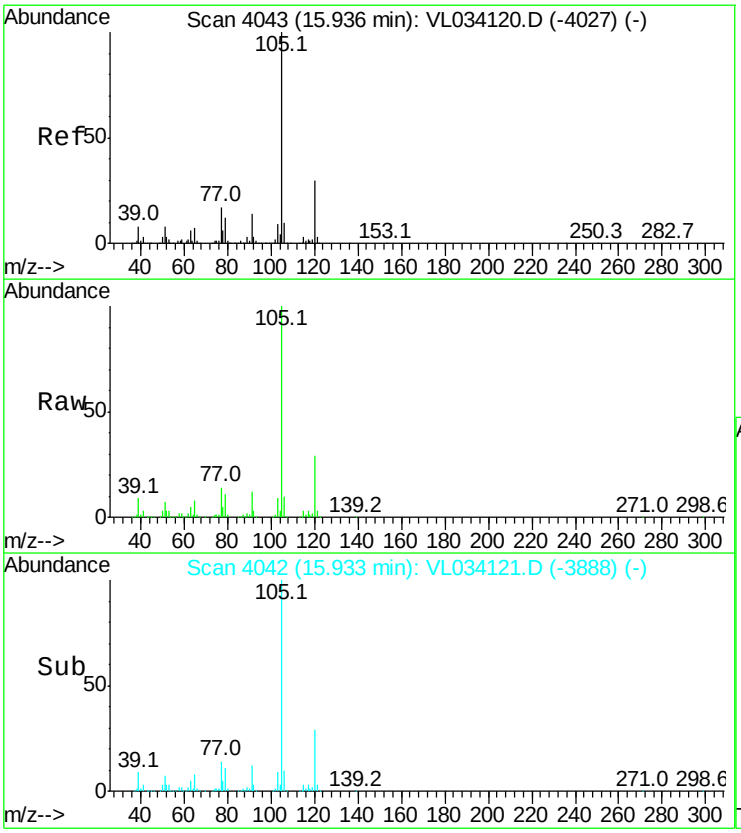
#71
2-Chlorotoluene
Concen: 2.243 ppbv
RT: 15.55 min Scan# 3923
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 751837

Ion	Ratio	Lower	Upper
91	100		
126	27.3	11.4	45.4

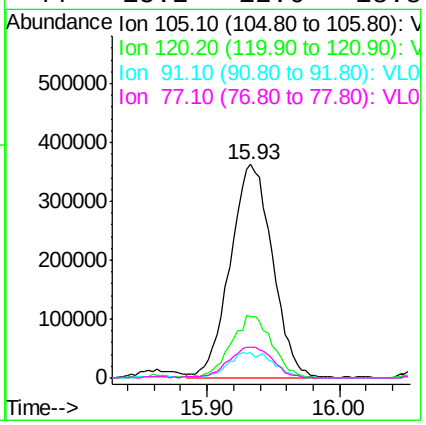


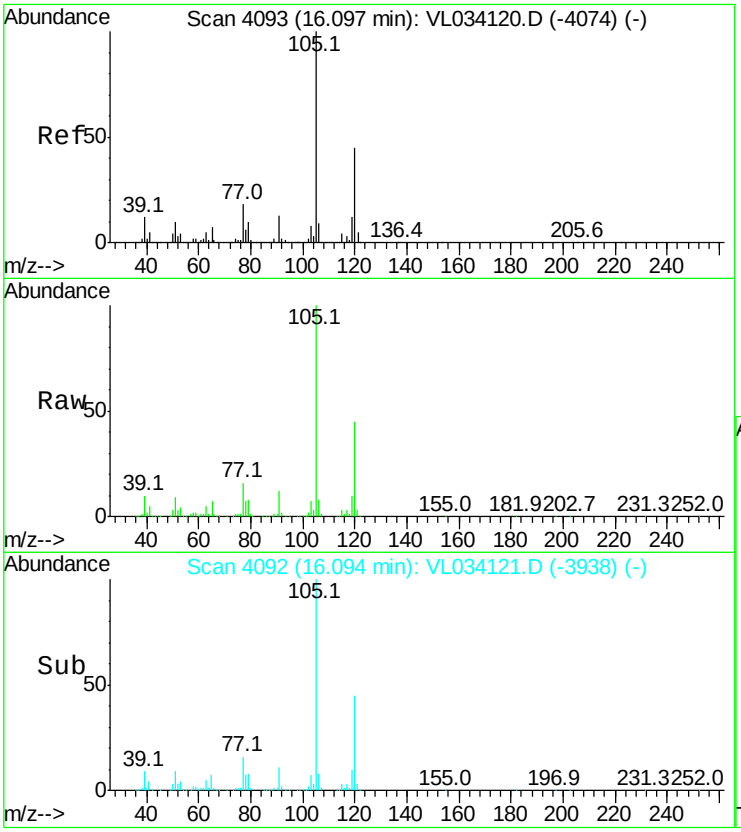


#72
4-Ethyltoluene
Concen: 2.248 ppbv
RT: 15.93 min Scan# 4042
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:105 Resp: 799701

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.8	35.6
91	13.0	11.4	17.0
77	15.2	12.6	18.8



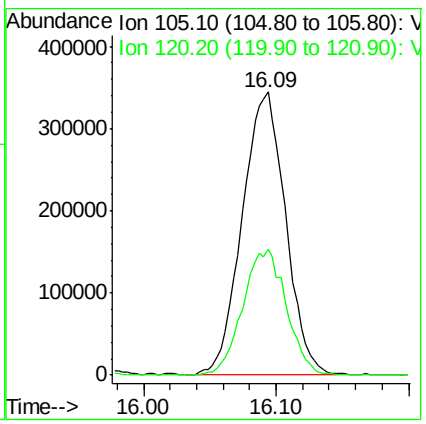


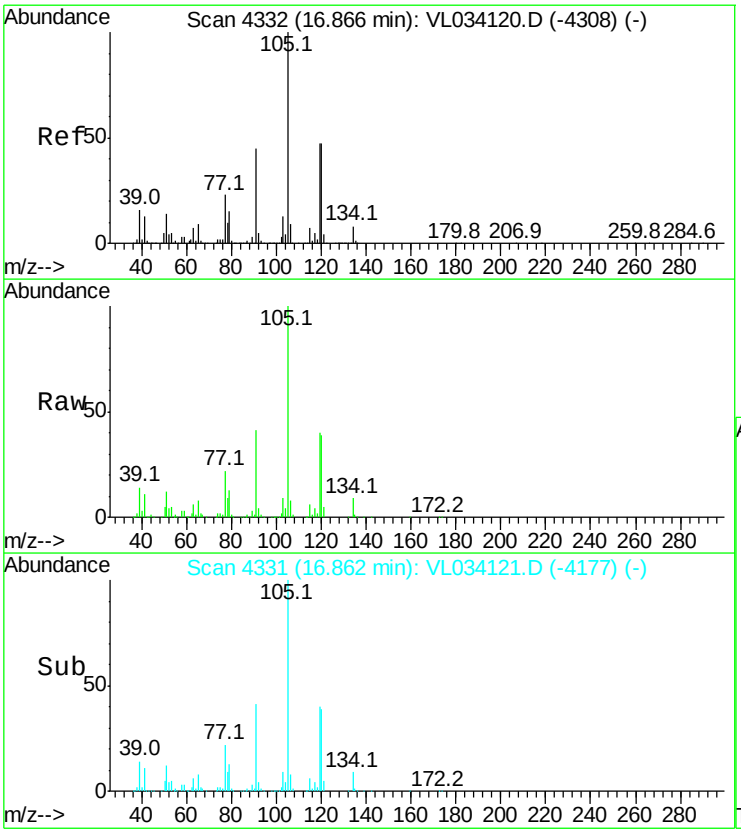
#73
1,3,5-Trimethylbenzene
Concen: 2.265 ppbv
RT: 16.09 min Scan# 4092
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 783045

Ion	Ratio	Lower	Upper
105	100		
120	44.4	35.8	53.8

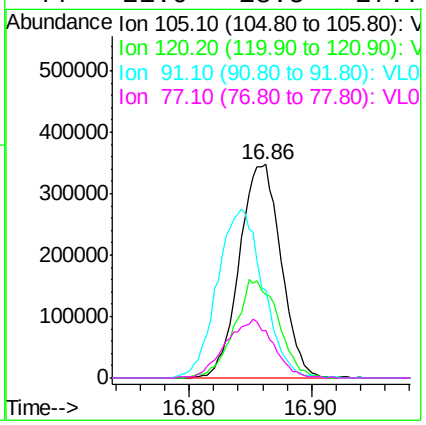


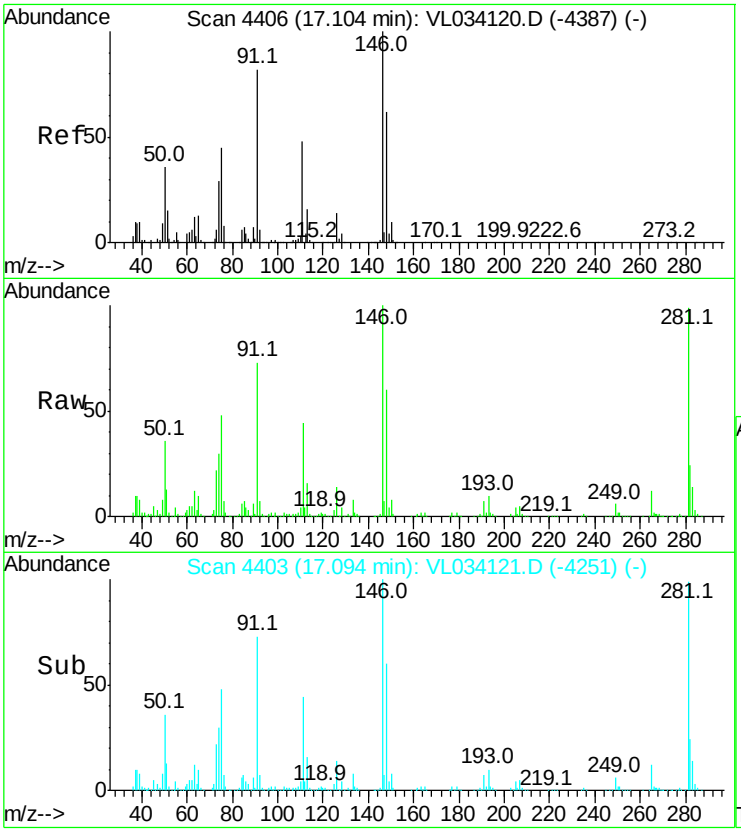


#74
1,2,4-Trimethylbenzene
Concen: 2.295 ppbv
RT: 16.86 min Scan# 4331
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:105 Resp: 817009

Ion	Ratio	Lower	Upper
105	100		
120	38.7	37.7	56.5
91	40.7	36.2	54.2
77	21.9	18.5	27.7



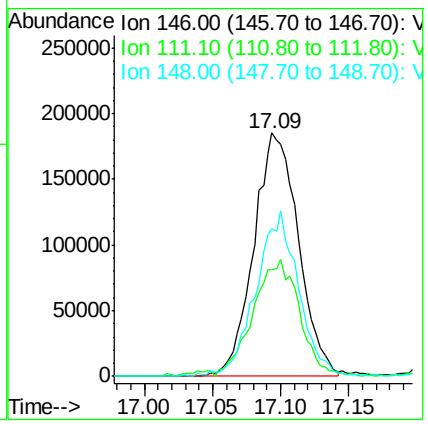


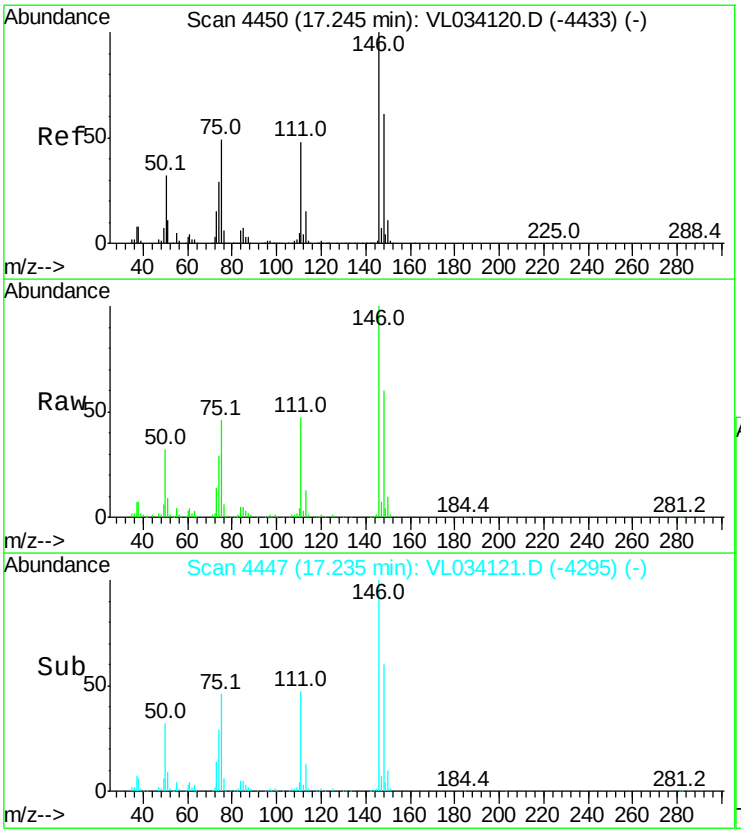
#75
1,3-Dichlorobenzene
Concen: 2.233 ppbv
RT: 17.09 min Scan# 4403
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 421047

Ion	Ratio	Lower	Upper
146	100		
111	51.1	24.9	74.7
148	64.7	32.5	97.5

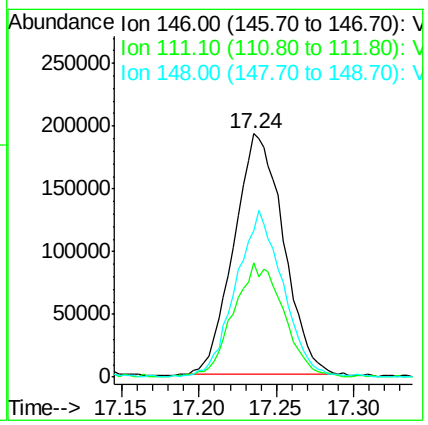


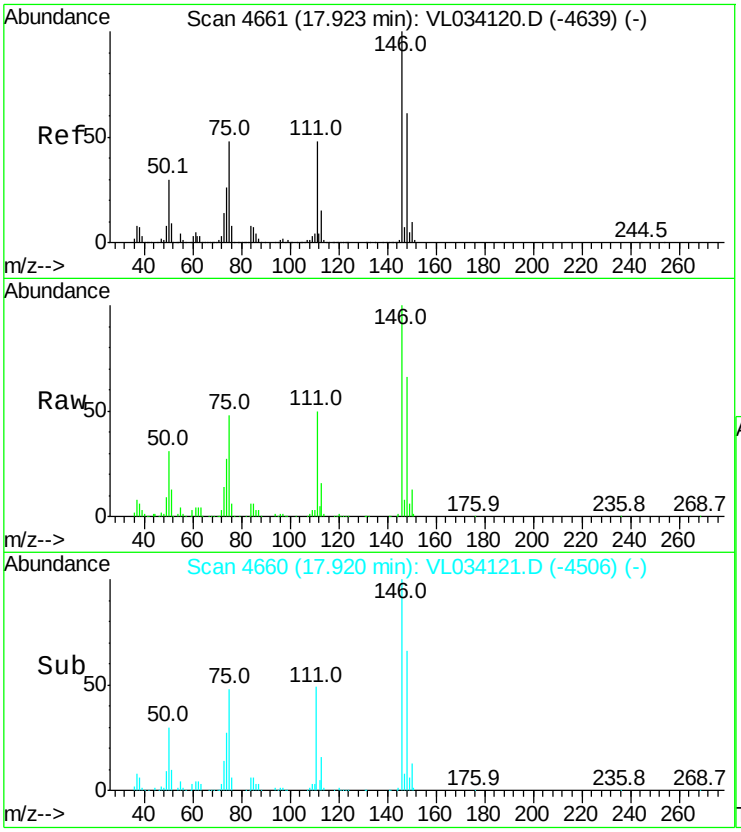


#76
1,4-Dichlorobenzene
Concen: 2.151 ppbv
RT: 17.24 min Scan# 4447
Delta R.T. -0.01 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:146 Resp: 427733

Ion	Ratio	Lower	Upper
146	100		
111	47.5	24.3	72.8
148	66.3	32.6	98.0



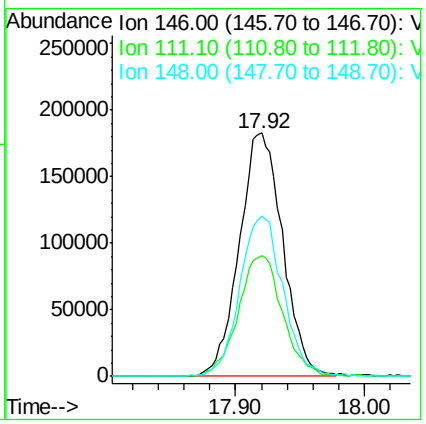


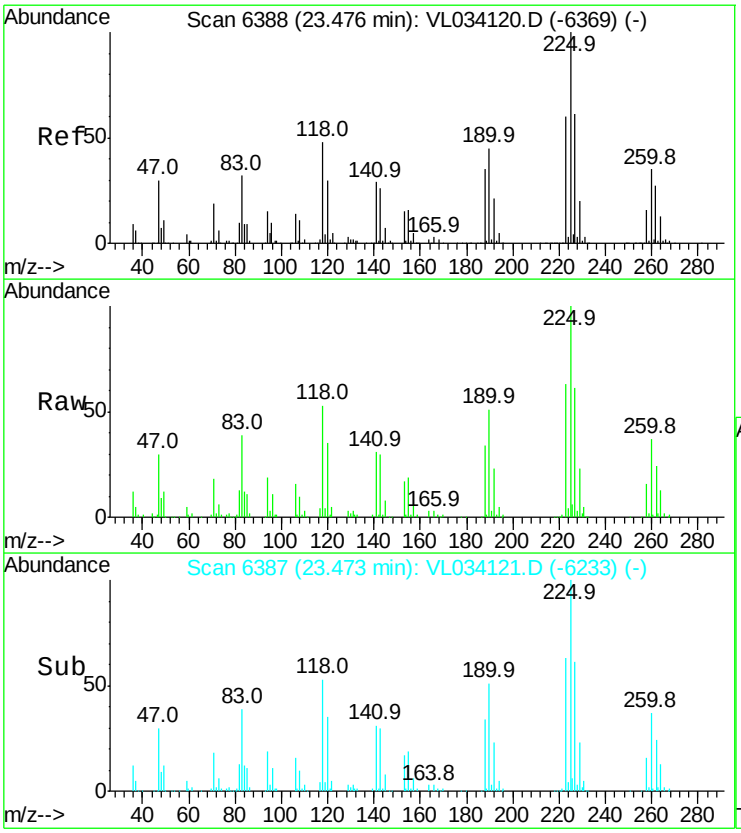
#77
1,2-Dichlorobenzene
Concen: 2.212 ppbv
RT: 17.92 min Scan# 4660
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 426292

Ion	Ratio	Lower	Upper
146	100		
111	51.0	25.1	75.4
148	65.8	32.0	96.2

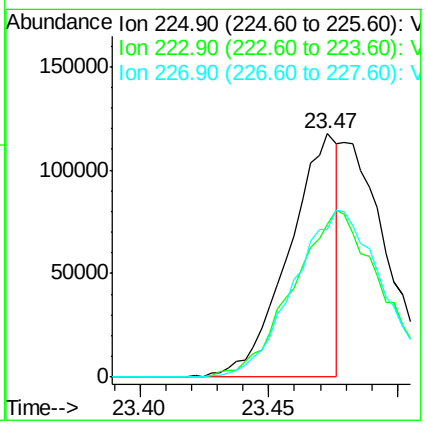


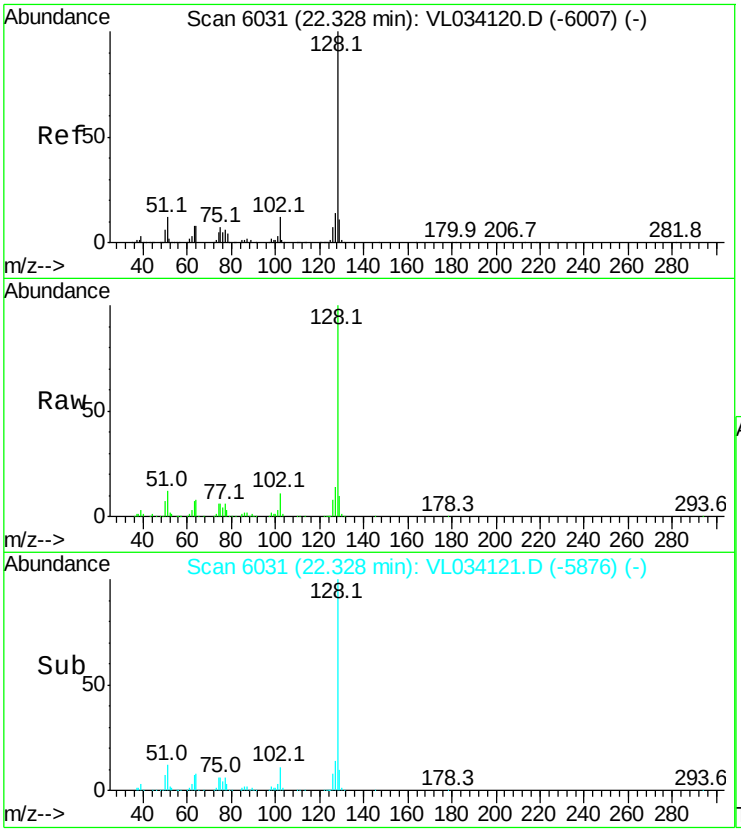


#78
Hexachloro-1,3-Butadiene
Concen: 1.167 ppbv
RT: 23.47 min Scan# 6387
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:225 Resp: 153347

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.3	75.5#
227	0.0	50.9	76.3#



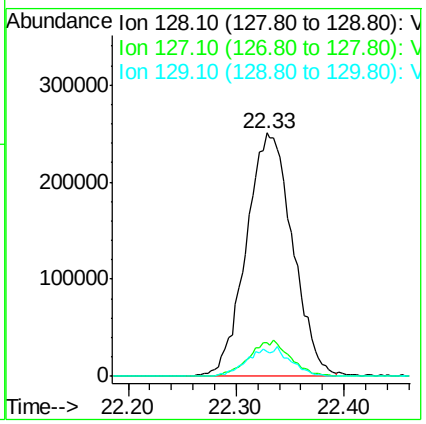


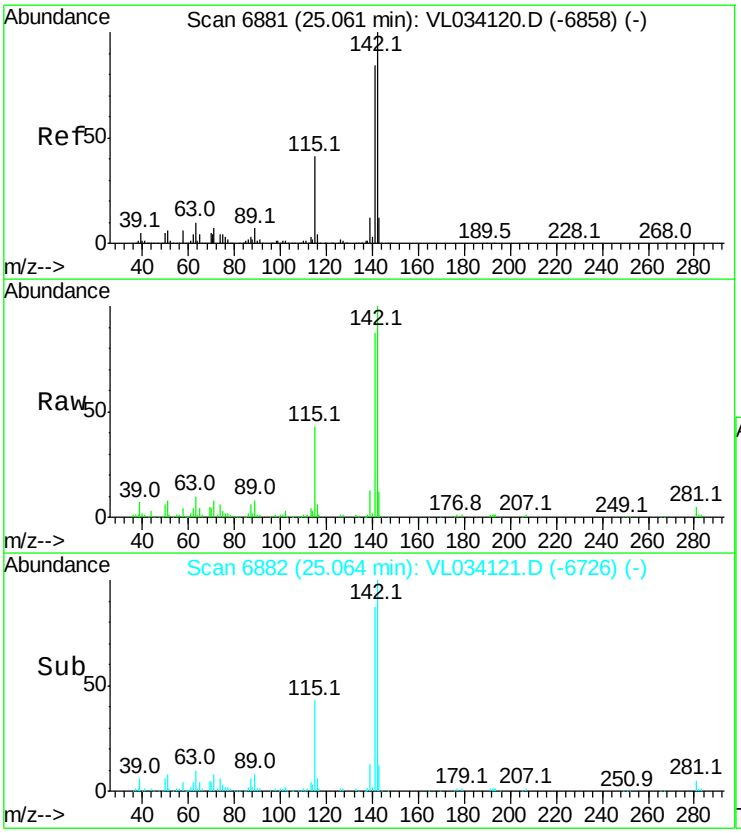
#79
Naphthalene
Concen: 2.315 ppbv
RT: 22.33 min Scan# 6031
Delta R.T. -0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 744619

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.9	16.3
129	10.2	8.5	12.7

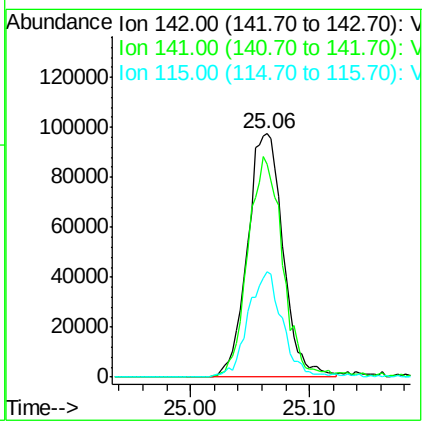


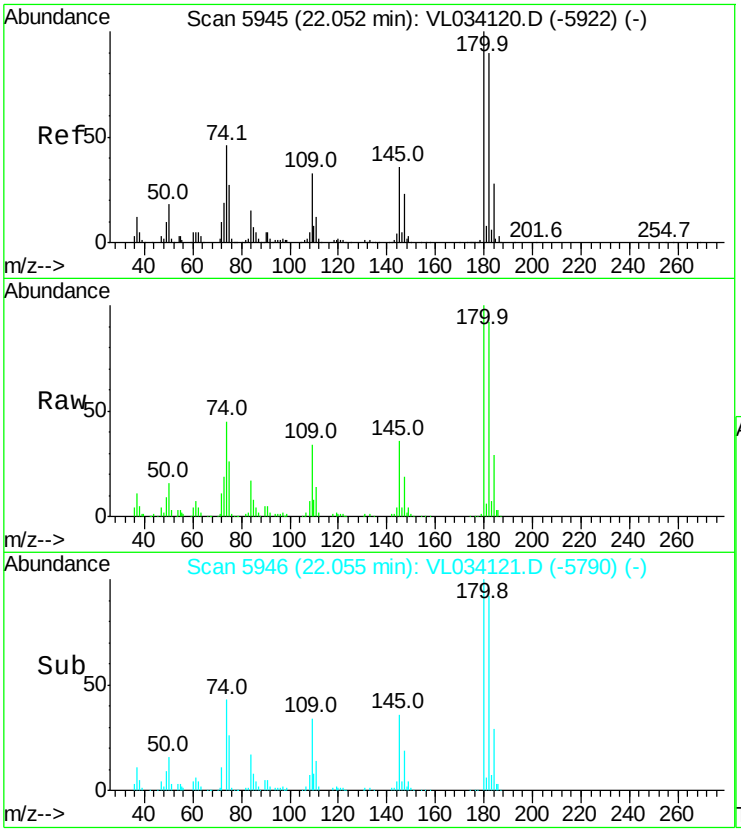


#80
Naphthalene,2-methyl-
Concen: 1.803 ppbv
RT: 25.06 min Scan# 6882
Delta R.T. 0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Tgt Ion:142 Resp: 201398

Ion	Ratio	Lower	Upper
142	100		
141	89.3	67.6	101.4
115	42.3	34.6	52.0





#81
1,2,4-Trichlorobenzene
Concen: 1.456 ppbv
RT: 22.05 min Scan# 5946
Delta R.T. 0.00 min
Lab File: VL034121.D
Acq: 5 Sep 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 255038

Ion	Ratio	Lower	Upper
180	100		
182	155.2	77.0	115.4#
184	48.0	25.5	38.3#