Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020620\

Quantitation Report (Not Reviewed)

Data File : VL034617.D
Acq On : 7 Feb 2020 11:41
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Feb 08 01:43:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1009686	10.00	ppbv	0.07
33) 1,4-Difluorobenzene	7.26	114	2056430	10.00	ppbv	0.08
55) Chlorobenzene-d5	12.21	117	2161005	10.00	ppbv	0.09
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.54	95	1844030	10.10	ppbv	0.09
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	1396999	6.282	ppbv	93
3) Chlorodifluoromethane	3.00	51	1190420	9.757	ppbv	99
4) Chloromethane	3.15	50	630181	8.442	ppbv	99
5) Vinyl Chloride	3.27	62	626064	8.780	ppbv	97
6) Bromomethane	3.49	94	381667	10.291	ppbv	93
7) Chloroethane	3.58	64	241269	9.099	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	1620011	9.320	ppbv	99
9) Propene	3.02	41	399929	8.419	ppbv	100
10) Heptane	8.21	43	1150365	9.623	ppbv	98
11) Trichlorofluoromethane	3.98	101	1968908	9.746	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1297334	9.842	ppbv	100
13) Ethanol	3.63	45	164715	12.945	ppbv	98
14) Bromoethene	3.76	108	504748	9.762	ppbv	98
15) Acetone	3.88	43	1497207	10.089	ppbv	99
16) 1,3-Butadiene	3.34	39	576731	9.787	ppbv	100
17) tert-Butyl alcohol	4.33	59	1343990	12.315	ppbv	99
18) 1,1-Dichloroethene	4.33	96	556105	9.994	ppbv	92
19) Isopropyl Alcohol	4.00	45	1037197	11.977	ppbv	100
20) Methylene Chloride	4.38	84	494811	8.757	ppbv	99
21) Allyl Chloride	4.45	41	904631	9.816	ppbv	100
22) trans-1,2-Dichloroethene	4.94	96	563371	9.668	ppbv	95
23) Vinyl Acetate	5.13	43	1728313	10.208	ppbv	99
24) 1,1-Dichloroethane	5.06	63	1305087	9.233	ppbv	99
25) Ethyl Acetate	5.74	43	2099335	8.739	ppbv	99
26) Hexane	5.75	57	936388	9.306	ppbv	96
27) Carbon Disulfide	4.59	76	1399413	10.307	ppbv	100
28) Methyl tert-Butyl Ether	5.08	73	1654837	9.643	ppbv	100
29) Chloroform	5.82	83	1648931	9.267	ppbv	98
30) Cyclohexane	7.21	84	752180	10.087	ppbv	96
31) cis-1,2-Dichloroethene	5.61	61	989334	9.463	ppbv	98
32) 1,1,1-Trichloroethane	6.59	97	1742583	9.121	ppbv	99
34) 2-Butanone	5.30	43	1357957	9.095	ppbv	100
35) Carbon Tetrachloride	7.10	117	1895217	9.640	ppbv	98
36) Benzene	6.98	78	1741107	9.521	ppbv	98
37) 1,2-Dichloroethane	6.38	62	1448589	9.494	ppbv	99
38) Trichloroethene	7.93	130	756237	9.810	ppbv	96
39) 1,2-Dichloropropane	7.71	63	703785	9.283	ppbv	99
40) 1,4-Dioxane	7.92	88	134142	4.603	ppbv #	1
41) Tetrahydrofuran	6.12	42	715815	9.190	ppbv	98
42) Bromodichloromethane	7.89	83	1842011	9.809	ppbv	97
43) Methyl Methacrylate	8.11	69	740600	10.069	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020620\

Quantitation Report (Not Reviewed)

Data File : VL034617.D
Acq On : 7 Feb 2020 11:41
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Feb 08 01:43:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.96	57	3151136	9.497	ppbv		99
45) t-1,3-Dichloropropene	9.38	75	1009875	10.485	ppbv		96
46) cis-1,3-Dichloropropene	8.80	75	1113020	10.167	ppbv		98
47) 1,1,2-Trichloroethane	9.58	97	789756	9.618	ppbv		93
48) Dibromochloromethane	10.42	129	1536646	10.213	ppbv		100
49) Bromoform	13.17	173	1378743	10.437	ppbv		99
50) 4-Methyl-2-Pentanone	8.84	43	2045500	9.606	ppbv		100
51) 2-Hexanone	10.24	43	1700093	10.142	ppbv	#	98
52) Tetrachloroethene	11.34	164	687019	9.352	ppbv		95
53) Toluene	9.92	91	2067500	10.291	ppbv		100
54) 1,2-Dibromoethane	10.73	107	1261864	10.255	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.24	131	1060463	9.940	ppbv		98
57) Chlorobenzene	12.27	112	1675249	9.421	ppbv		98
58) Ethyl Benzene	12.83	91	2906643	10.052	ppbv		97
59) m/p-Xylene	13.12	91	2379092	9.307	ppbv	#	26
60) o-Xylene	13.82	91	2577046	10.038	ppbv		99
61) Styrene	13.65	104	1753898	10.246	ppbv		99
62) Isopropylbenzene	14.80	105	3306357	9.939	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.80	83	1848291	9.309	ppbv		100
64) n-propylbenzene	15.69	120	885891	10.351	ppbv		97
65) tert-Butylbenzene	16.88	119	3126917	10.375	ppbv		99
66) Benzyl Chloride	17.12	91	1462867	11.575	ppbv		100
67) sec-Butylbenzene	17.43	105	4272257	10.314	ppbv		99
69) p-Isopropyltoluene	17.79	119	3575833	10.632	ppbv		100
70) n-Butylbenzene	18.68	91	3731714	10.453	ppbv		100
71) 2-Chlorotoluene	15.58	91	2599123	10.293	ppbv		100
72) 4-Ethyltoluene	15.97	105	2893877	10.262	ppbv		99
73) 1,3,5-Trimethylbenzene	16.13	105	2810876	10.201	ppbv		97
74) 1,2,4-Trimethylbenzene	16.90	105	3012330	9.875	ppbv		94
75) 1,3-Dichlorobenzene	17.13	146	1662797	9.467	ppbv		99
76) 1,4-Dichlorobenzene	17.27	146	1634557	9.442	ppbv		99
77) 1,2-Dichlorobenzene	17.96	146	1620379	9.603	ppbv		99
78) Hexachloro-1,3-Butadiene	23.51	225	1383231	8.573	ppbv		99
79) Naphthalene	22.37	128	2389663	9.951	ppbv		99
80) Naphthalene,2-methyl-	25.09	142	629569	6.814	ppbv		99
81) 1,2,4-Trichlorobenzene	22.10	180	1376763	9.299	ppbv		99

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

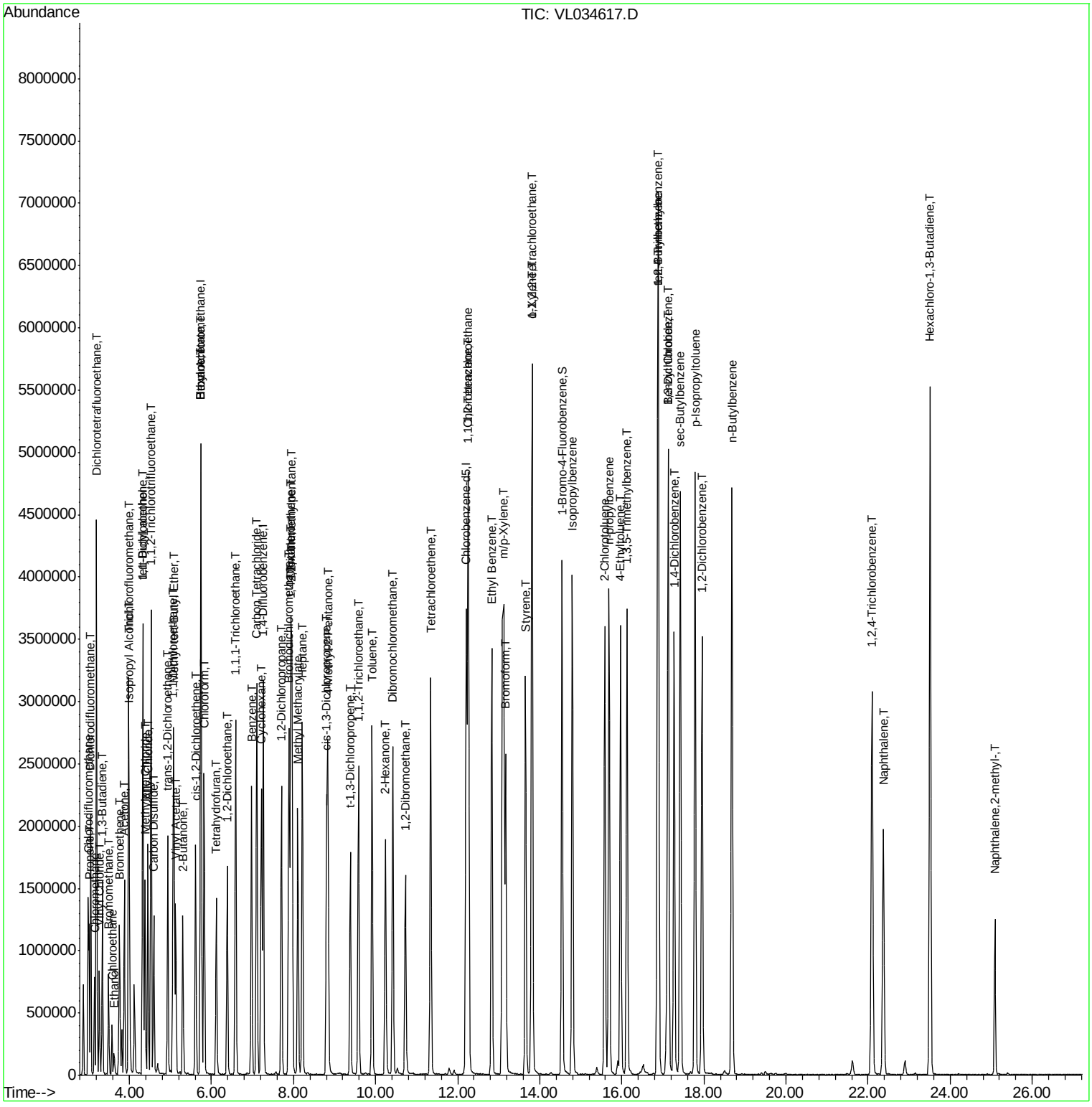
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020620\

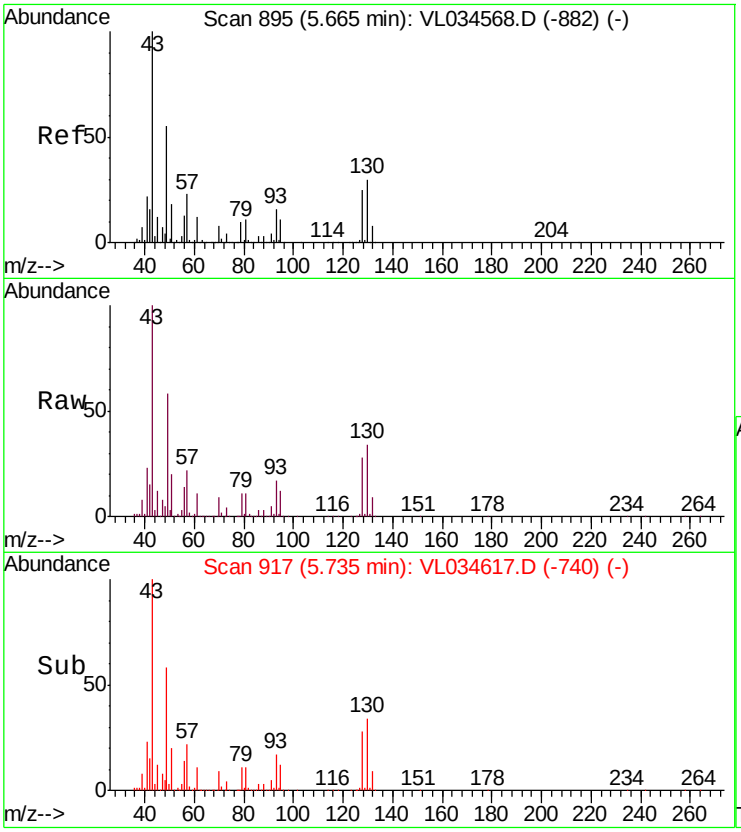
Quantitation Report (Not Reviewed)

Data File : VL034617.D
Acq On : 7 Feb 2020 11:41
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Feb 08 01:43:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration



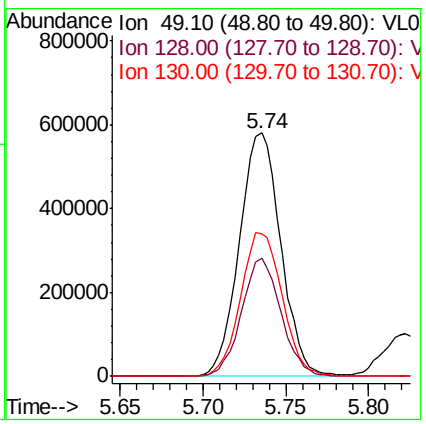


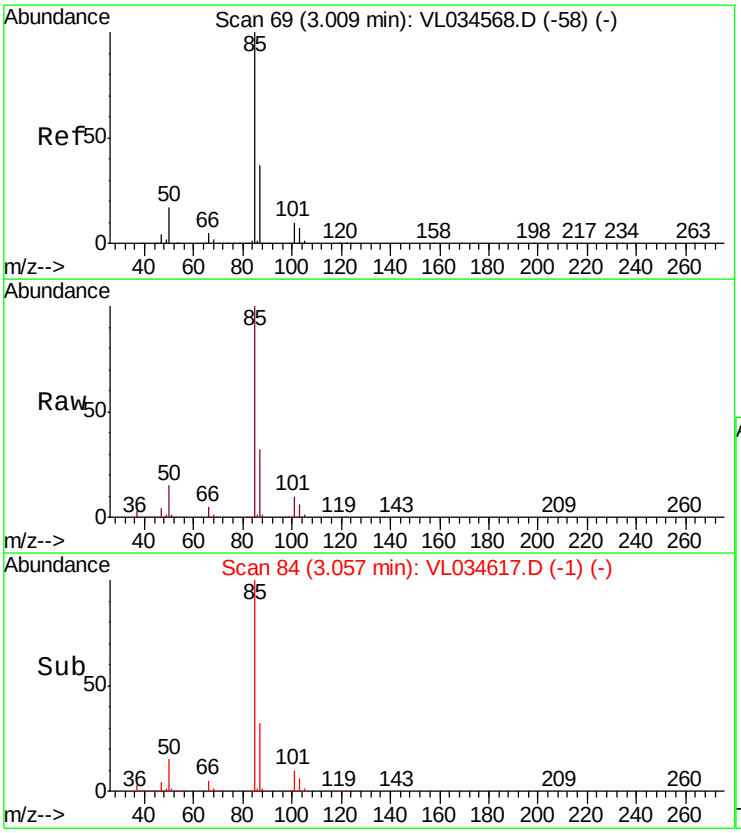
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.74 min Scan# 917
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 1009686

Ion	Ratio	Lower	Upper
49	100		
128	46.3	22.7	68.1
130	59.4	28.6	85.8

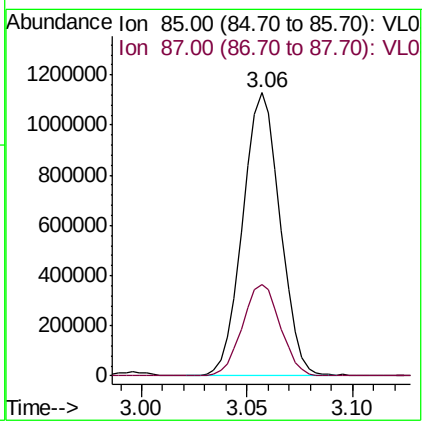


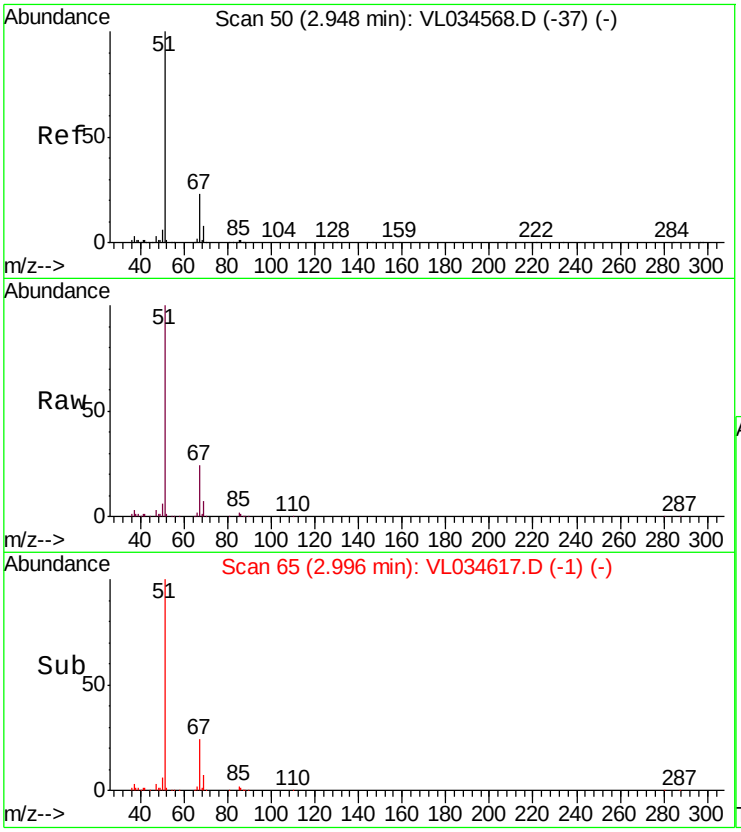


#2
Dichlorodifluoromethane
Concen: 6.282 ppbv
RT: 3.06 min Scan# 84
Delta R.T. 0.05 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 85 Resp: 1396999

Ion	Ratio	Lower	Upper
85	100		
87	32.5	29.5	44.3



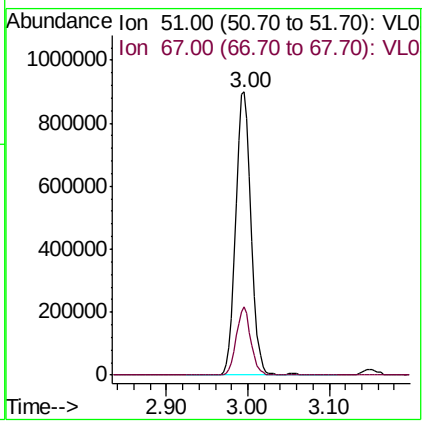


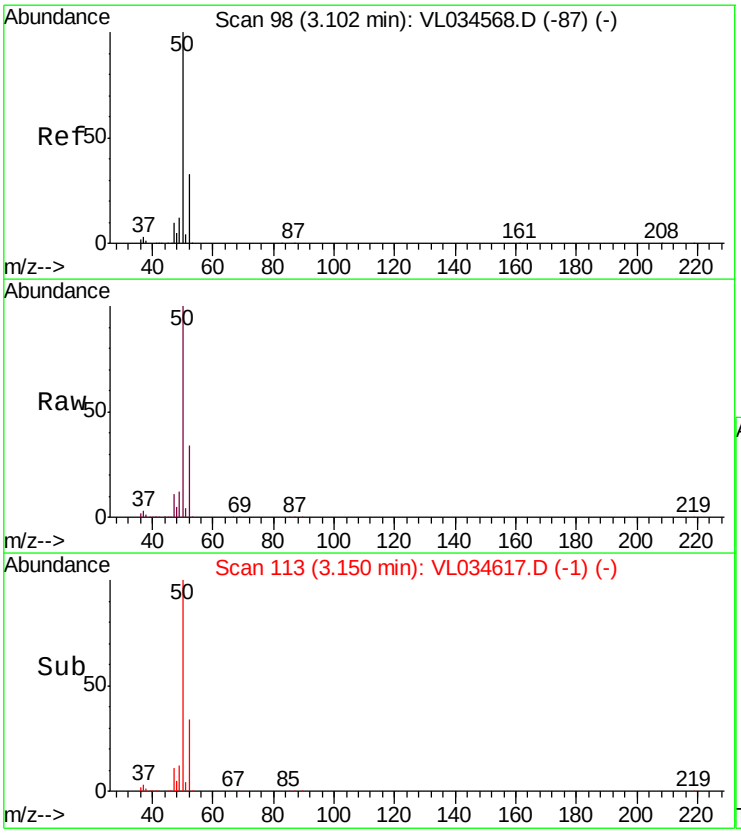
#3
Chlorodifluoromethane
Concen: 9.757 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.05 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 51 Resp: 1190420

Ion	Ratio	Lower	Upper
51	100		
67	22.7	17.8	26.8

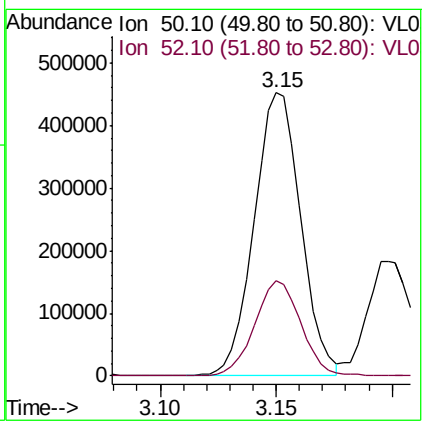


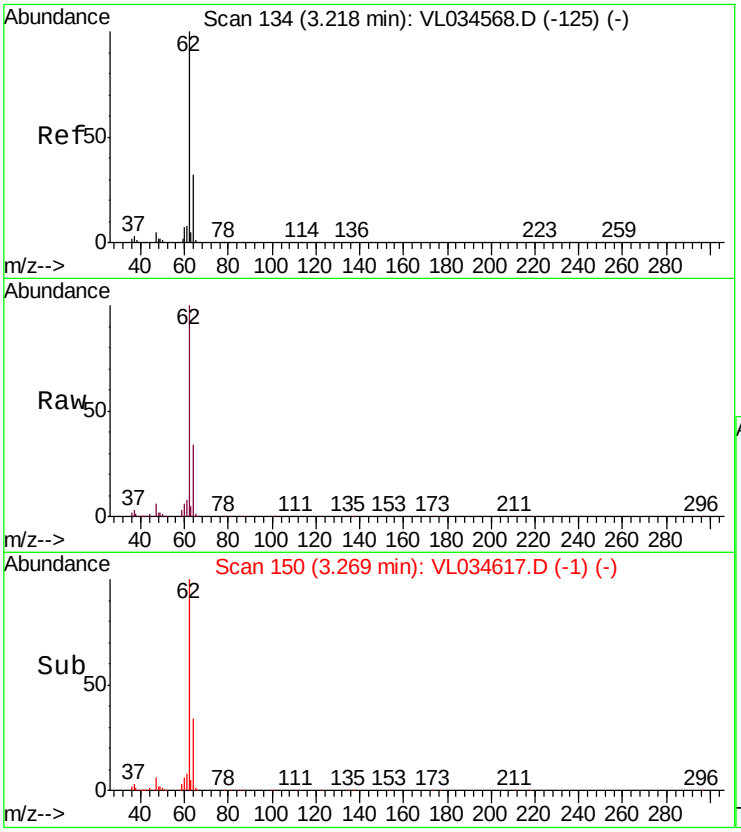


#4
Chloromethane
Concen: 8.442 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.05 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 50 Resp: 630181

Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.6	39.8



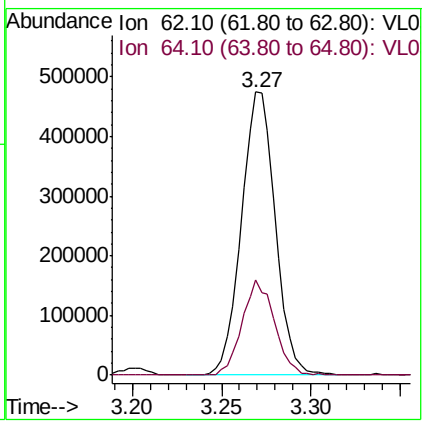


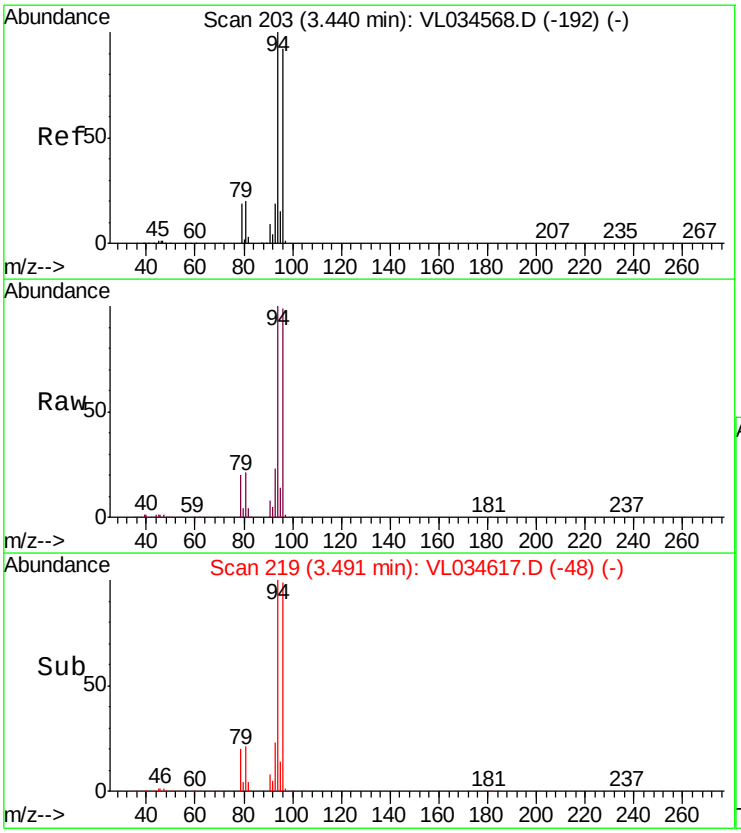
#5
Vinyl Chloride
Concen: 8.780 ppbv
RT: 3.27 min Scan# 150
Delta R.T. 0.05 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 626064

Ion	Ratio	Lower	Upper
62	100		
64	33.8	25.8	38.6

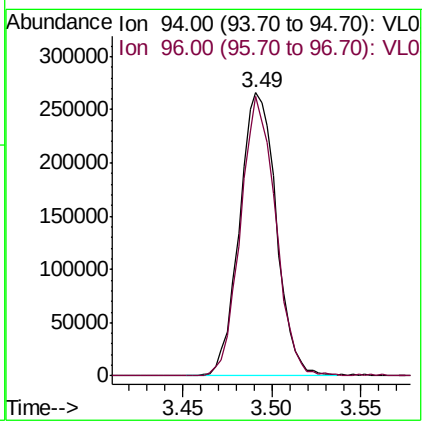


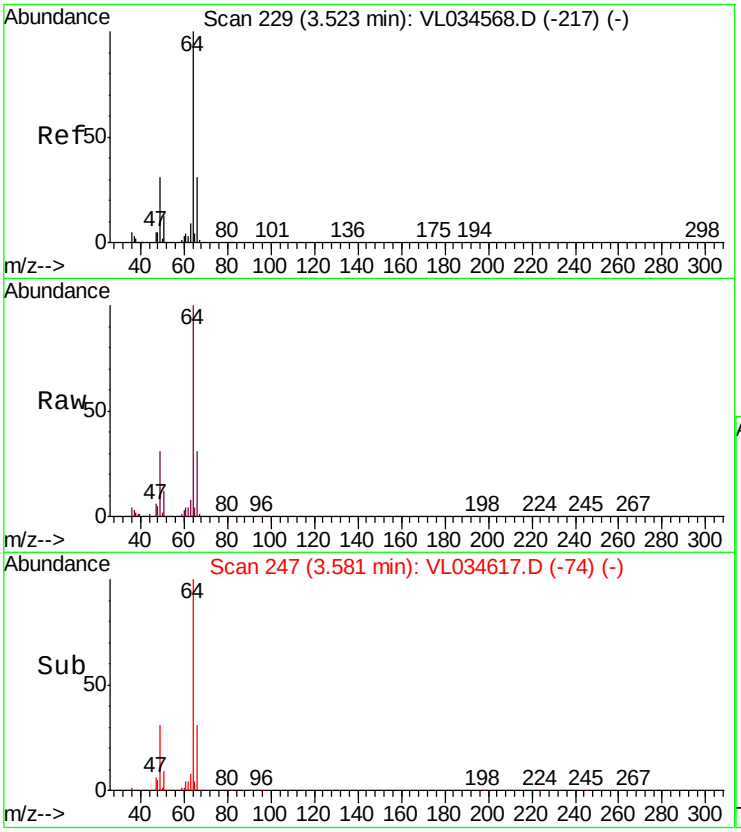


#6
Bromomethane
Concen: 10.291 ppbv
RT: 3.49 min Scan# 219
Delta R.T. 0.05 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 94 Resp: 381667

Ion	Ratio	Lower	Upper
94	100		
96	98.7	73.8	110.8



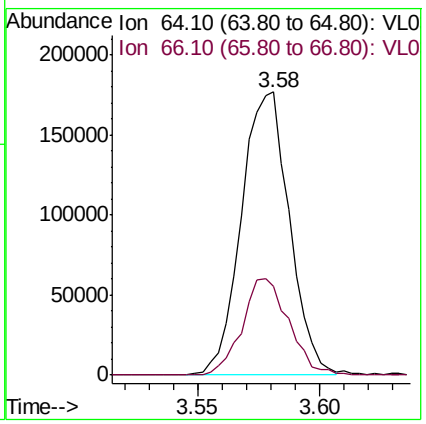


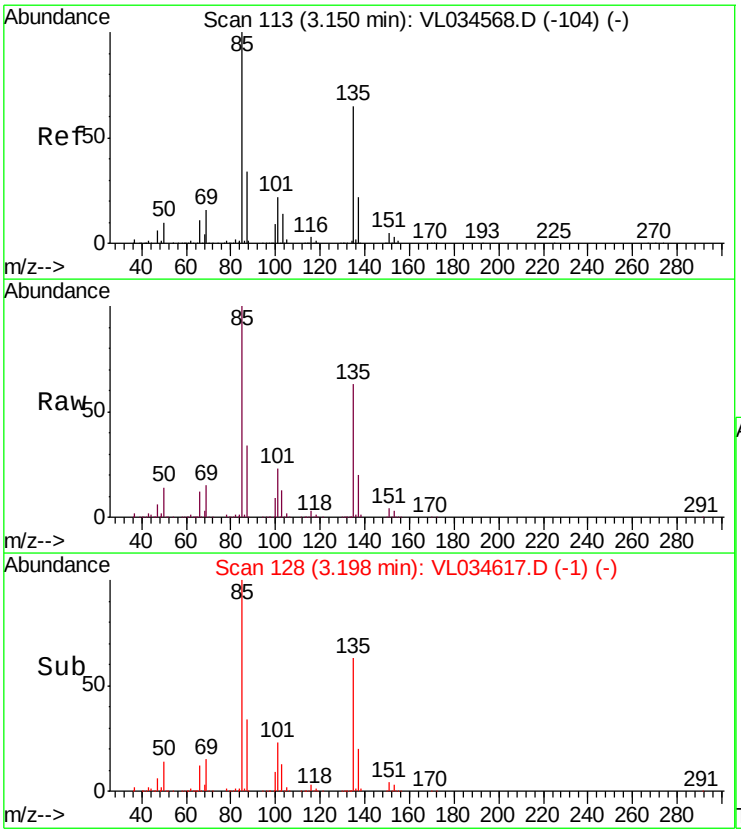
#7
Chloroethane
Concen: 9.099 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.06 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 241269

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.0	37.4

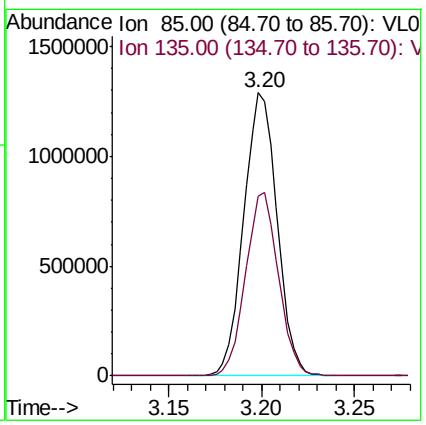


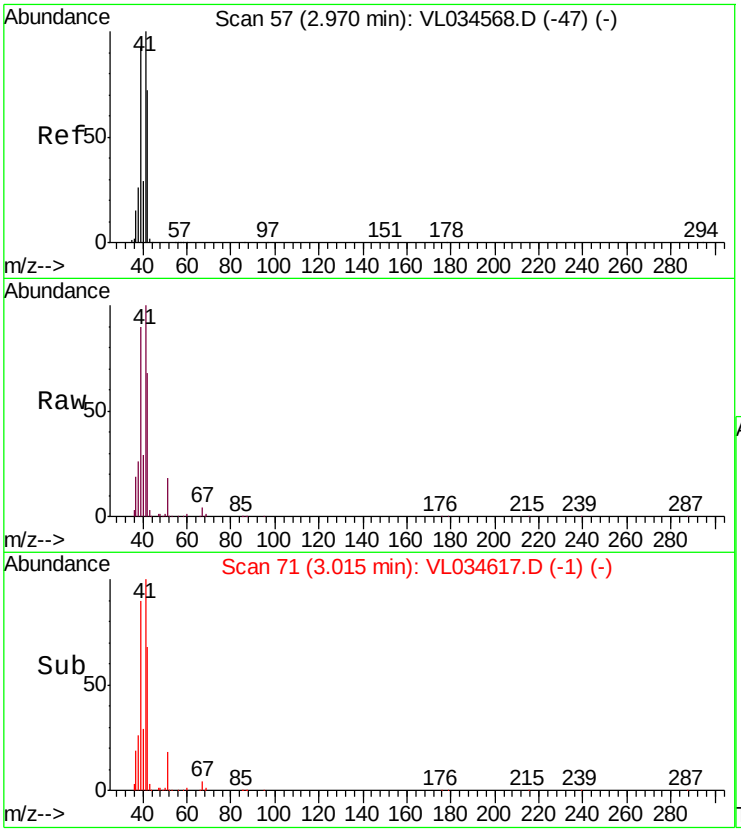


#8
Dichlorotetrafluoroethane
Concen: 9.320 ppbv
RT: 3.20 min Scan# 128
Delta R.T. 0.05 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 85 Resp: 1620011

Ion	Ratio	Lower	Upper
85	100		
135	64.0	52.2	78.2



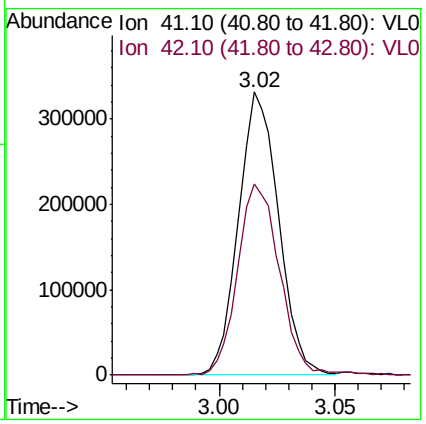


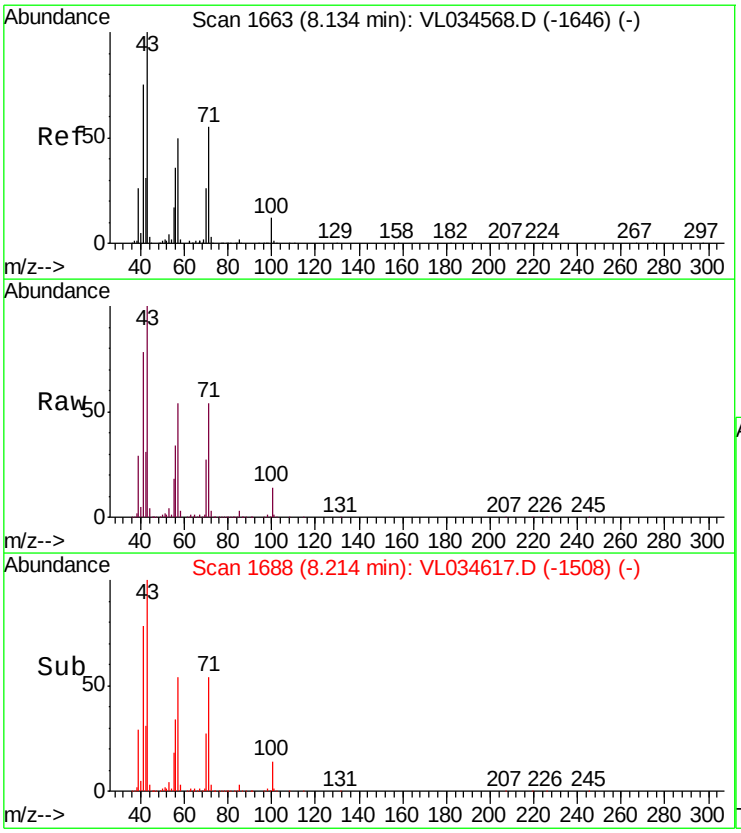
#9
Propene
Concen: 8.419 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.04 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 399929

Ion	Ratio	Lower	Upper
41	100		
42	70.9	57.0	85.4

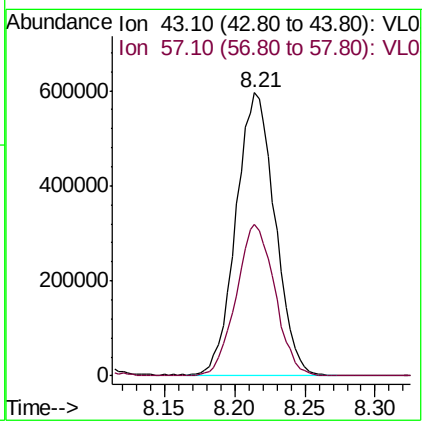


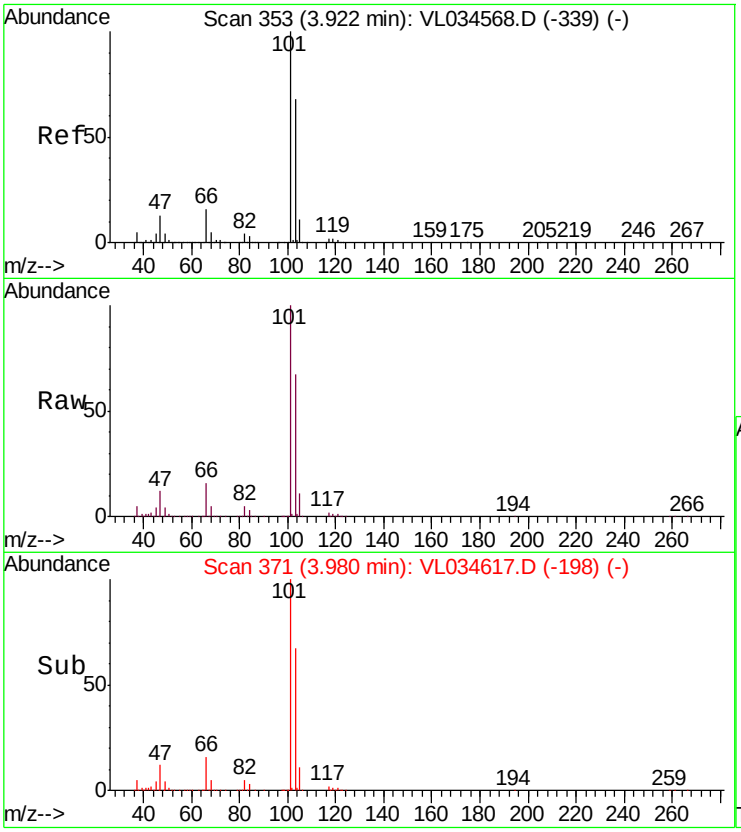


#10
Heptane
Concen: 9.623 ppbv
RT: 8.21 min Scan# 1688
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 43 Resp: 1150365

Ion	Ratio	Lower	Upper
43	100		
57	53.2	41.2	61.8



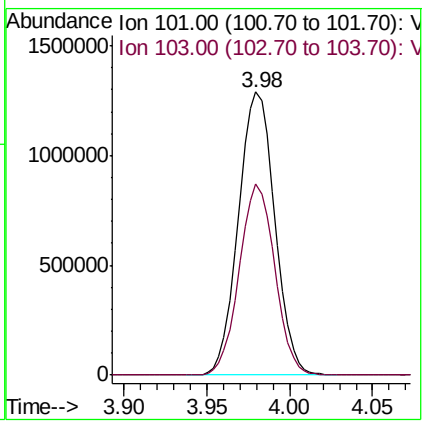


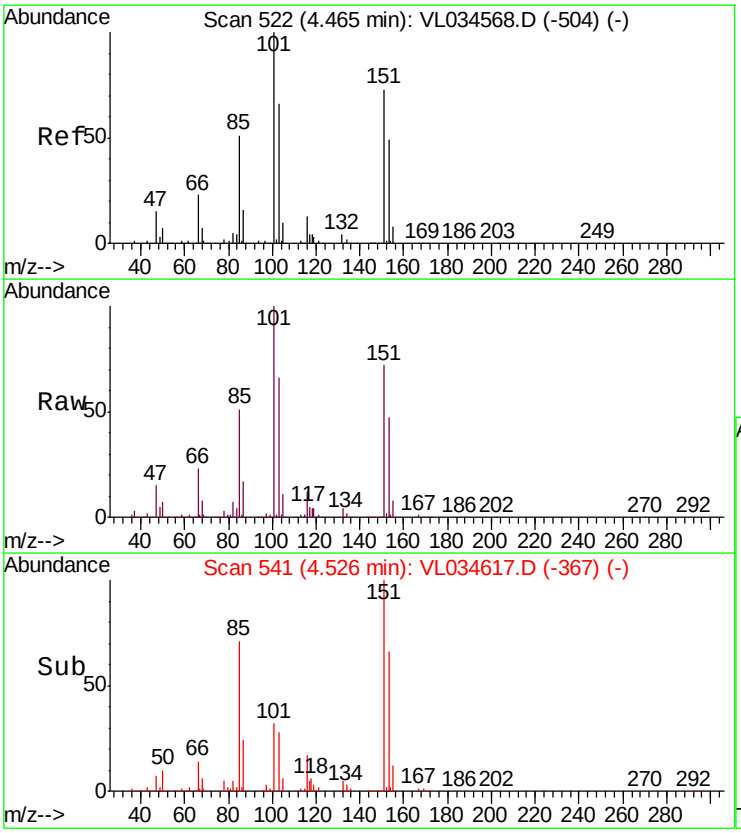
#11
Trichlorofluoromethane
Concen: 9.746 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.06 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1968908

Ion	Ratio	Lower	Upper
101	100		
103	67.5	54.4	81.6

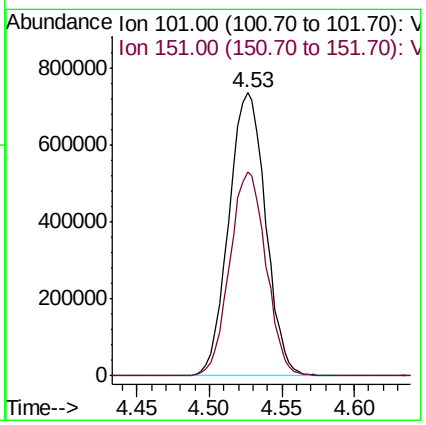


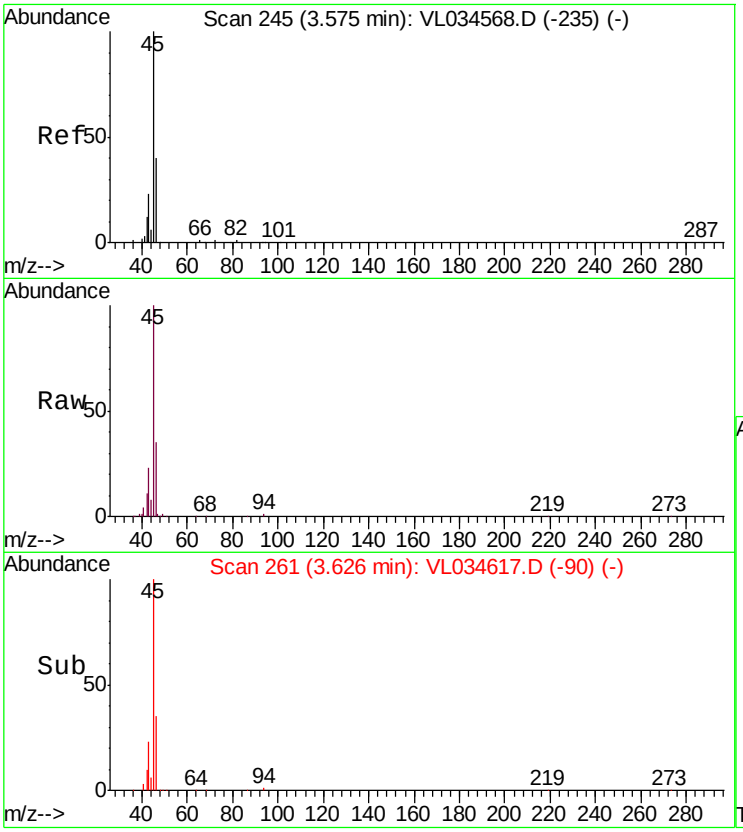


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.842 ppbv
RT: 4.53 min Scan# 541
Delta R.T. 0.06 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion:101 Resp: 1297334

Ion	Ratio	Lower	Upper
101	100		
151	71.2	57.0	85.6



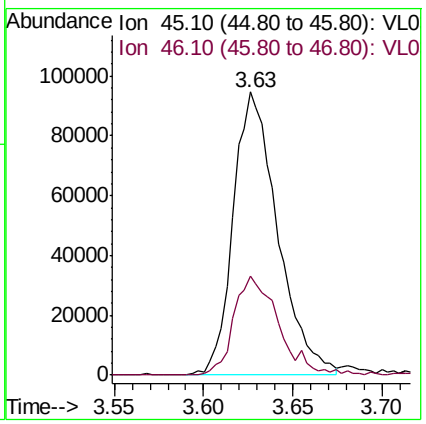


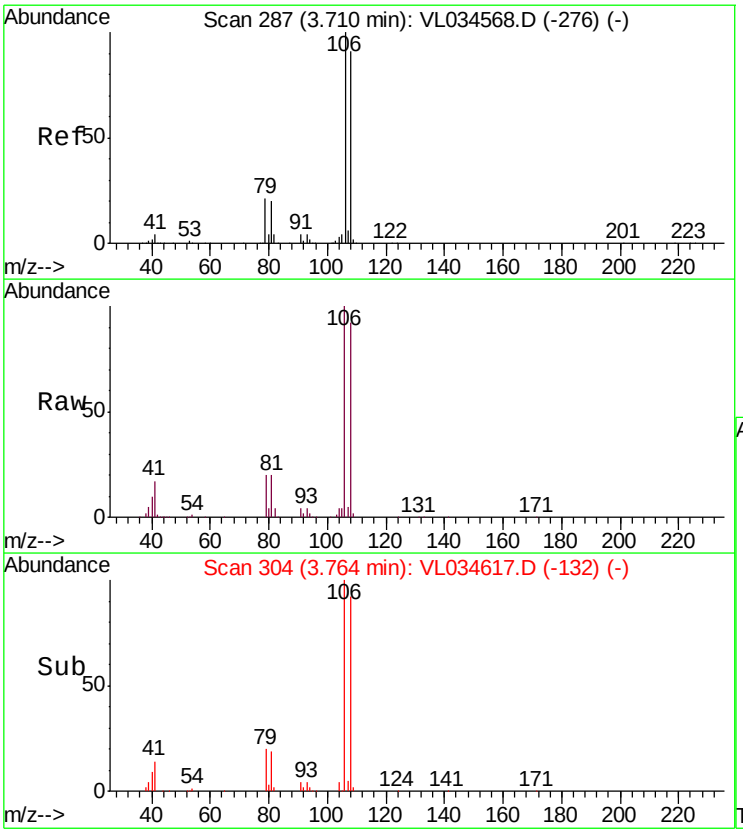
#13
Ethanol
Concen: 12.945 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.05 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 164715

Ion	Ratio	Lower	Upper
45	100		
46	35.6	14.8	59.2

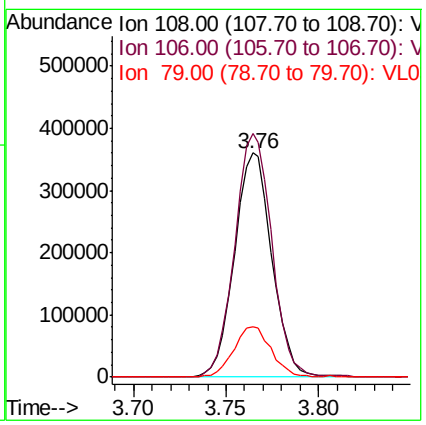


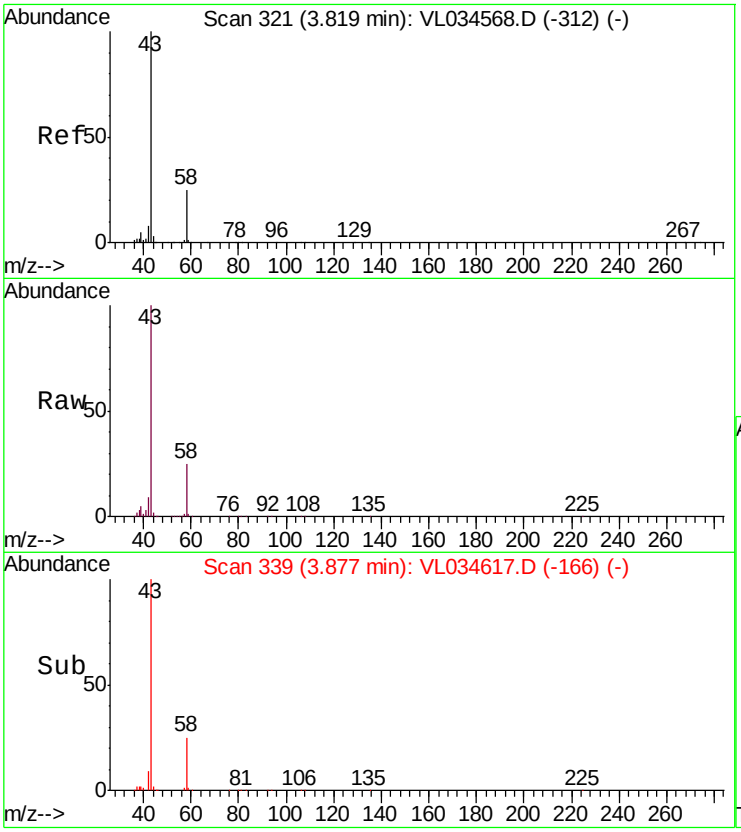


#14
Bromoethene
Concen: 9.762 ppbv
RT: 3.76 min Scan# 304
Delta R.T. 0.05 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion:108 Resp: 504748

Ion	Ratio	Lower	Upper
108	100		
106	108.3	84.6	127.0
79	22.6	18.2	27.2



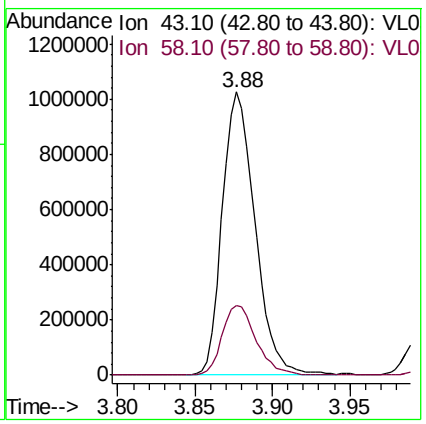


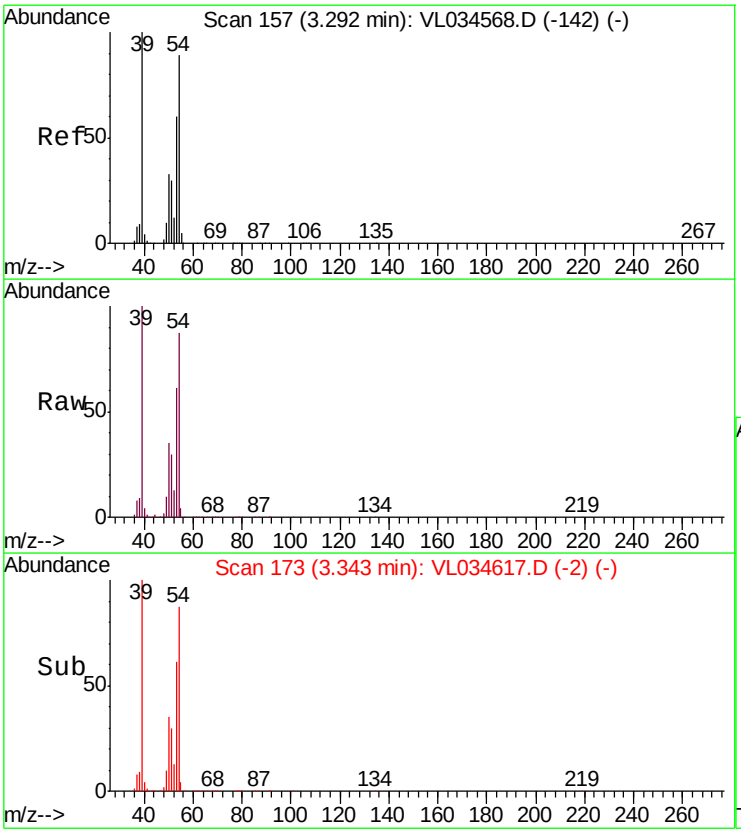
#15
Acetone
Concen: 10.089 ppbv
RT: 3.88 min Scan# 339
Delta R.T. 0.06 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1497207

Ion	Ratio	Lower	Upper
43	100		
58	25.9	20.3	30.5

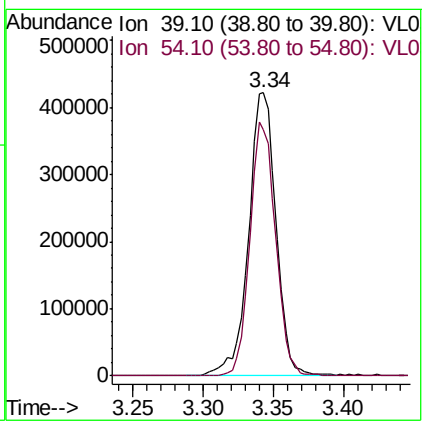


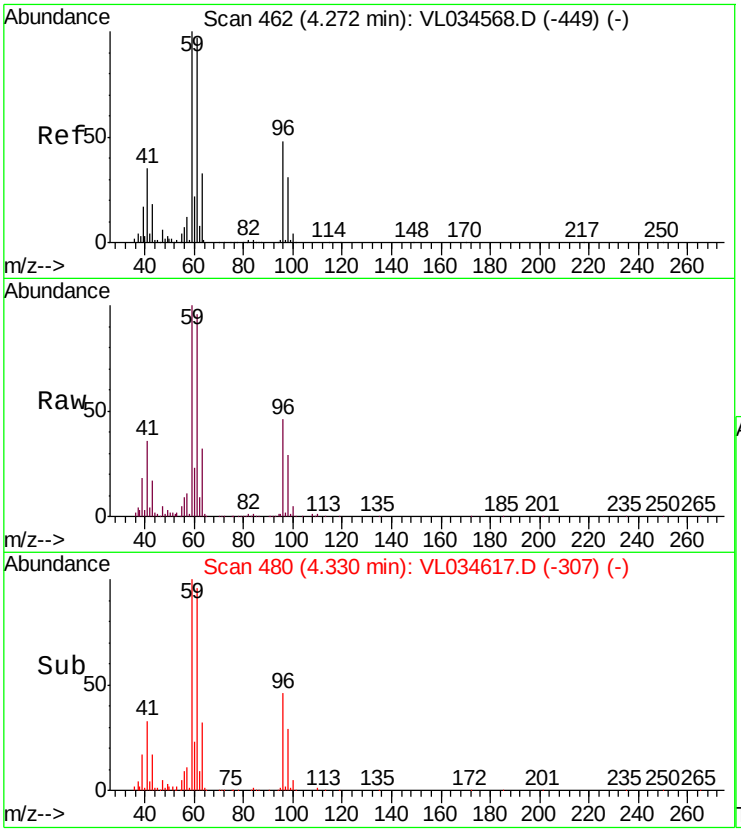


#16
1,3-Butadiene
Concen: 9.787 ppbv
RT: 3.34 min Scan# 173
Delta R.T. 0.05 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 39 Resp: 576731

Ion	Ratio	Lower	Upper
39	100		
54	83.8	66.7	100.1



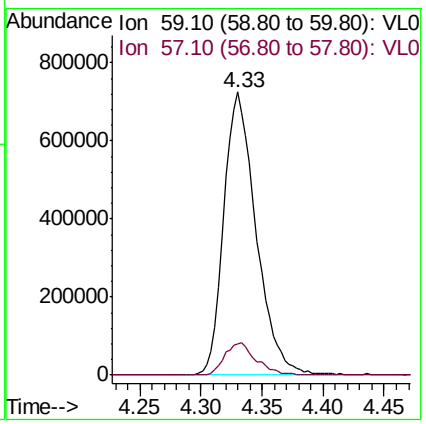


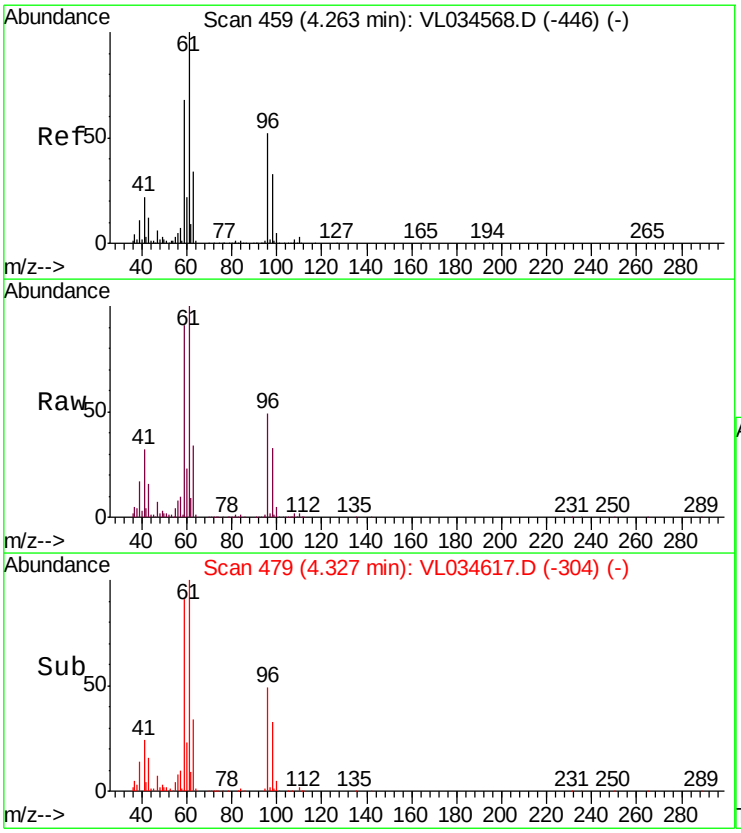
#17
tert-Butyl alcohol
Concen: 12.315 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.06 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 1343990

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.7	13.1

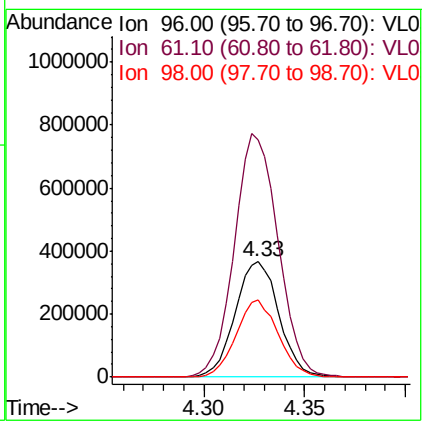


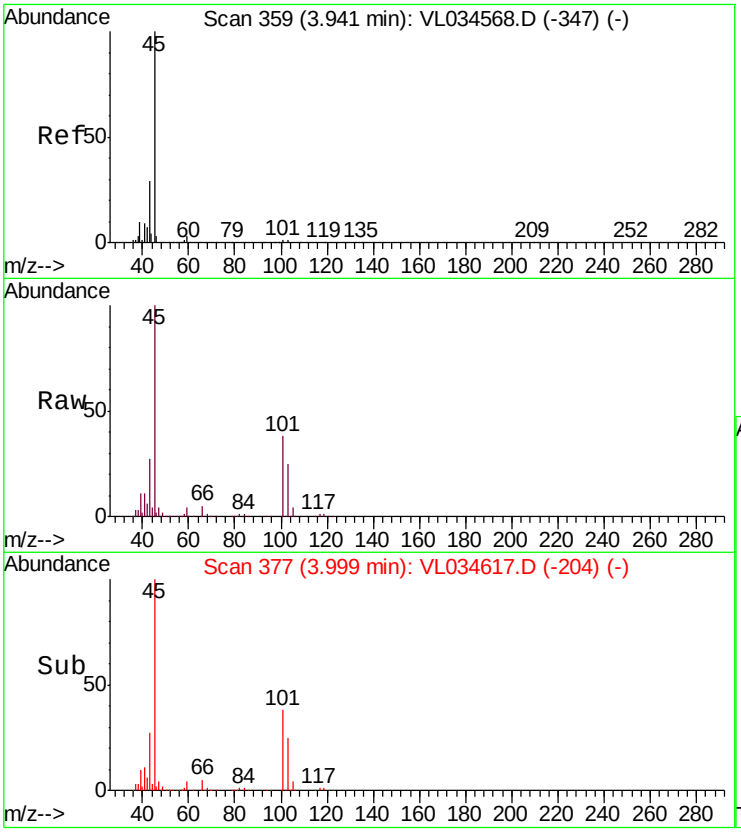


#18
1,1-Dichloroethene
Concen: 9.994 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.06 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 96 Resp: 556105

Ion	Ratio	Lower	Upper
96	100		
61	205.1	154.5	231.7
98	67.6	50.3	75.5



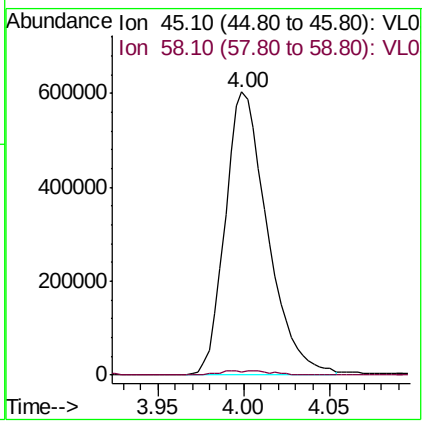


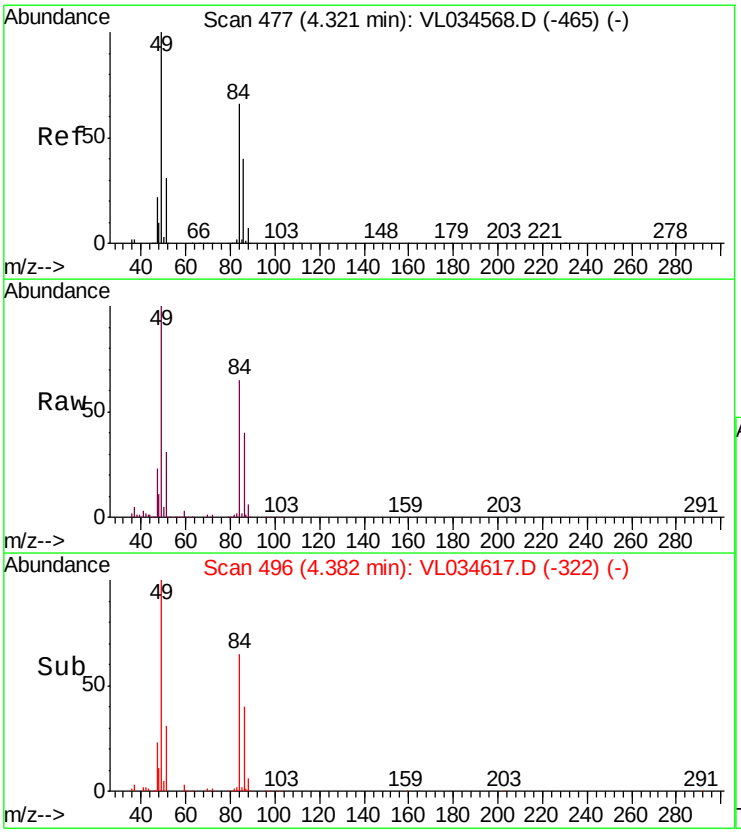
#19
Isopropyl Alcohol
Concen: 11.977 ppbv
RT: 4.00 min Scan# 377
Delta R.T. 0.06 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 1037197

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.7	2.5

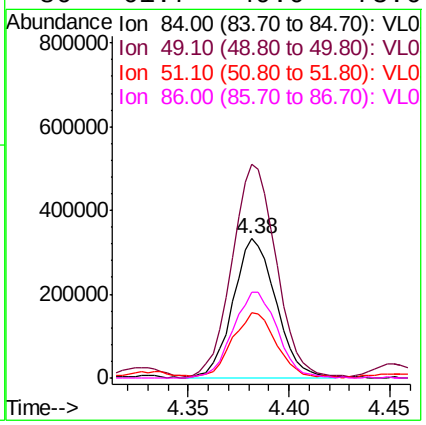


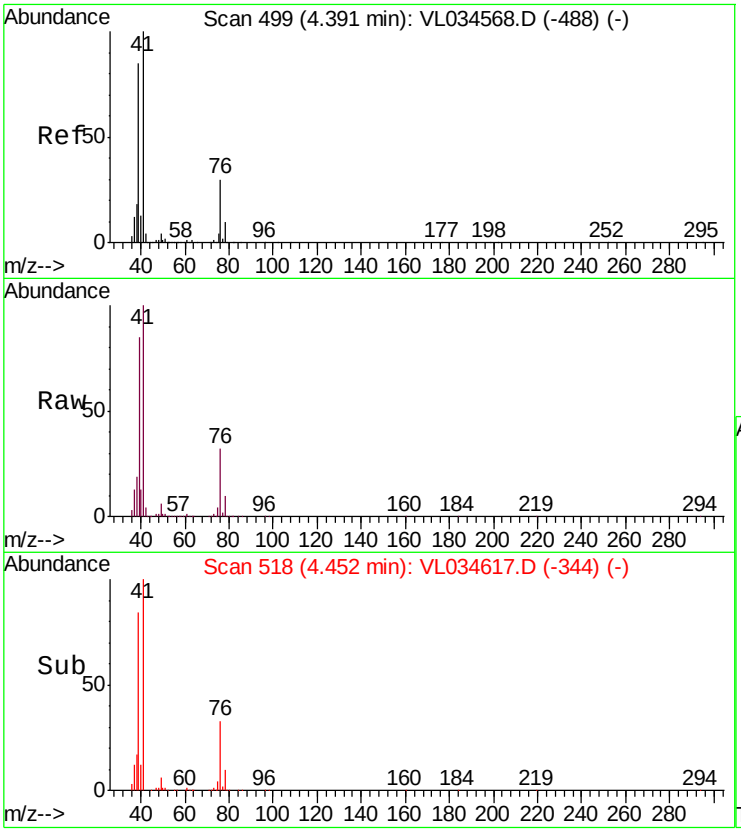


#20
Methylene Chloride
Concen: 8.757 ppbv
RT: 4.38 min Scan# 496
Delta R.T. 0.06 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 84 Resp: 494811

Ion	Ratio	Lower	Upper
84	100		
49	152.8	122.4	183.6
51	47.0	38.6	57.8
86	61.7	49.0	73.6



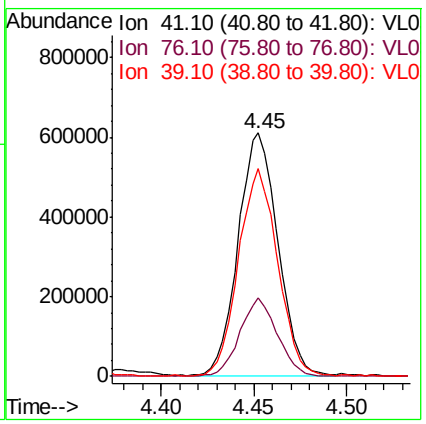


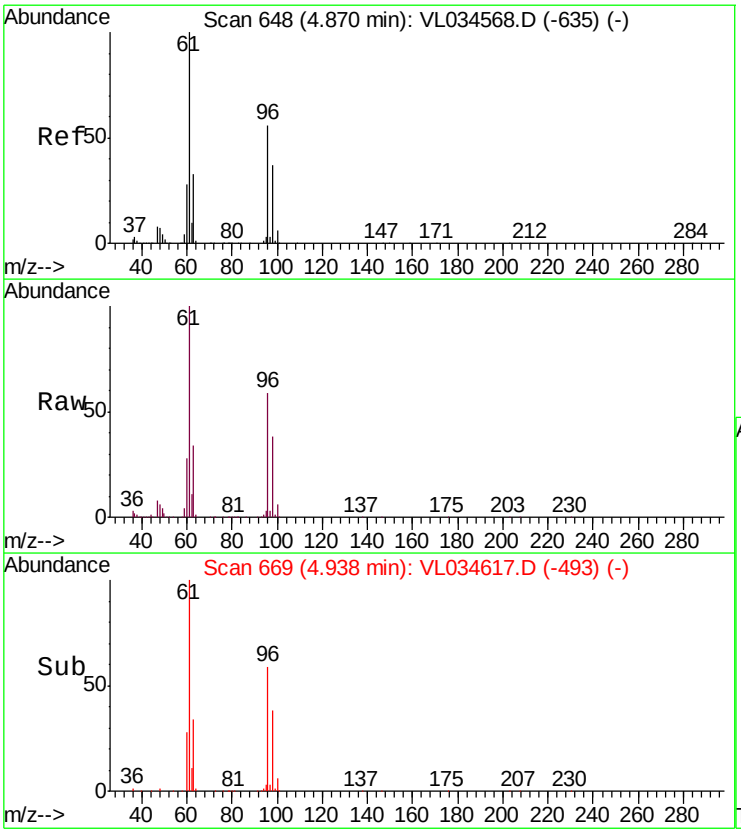
#21
Allyl Chloride
Concen: 9.816 ppbv
RT: 4.45 min Scan# 518
Delta R.T. 0.06 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 904631

Ion	Ratio	Lower	Upper
41	100		
76	30.5	24.2	36.2
39	85.0	68.3	102.5

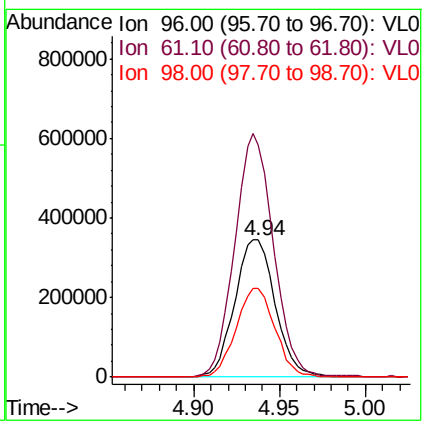


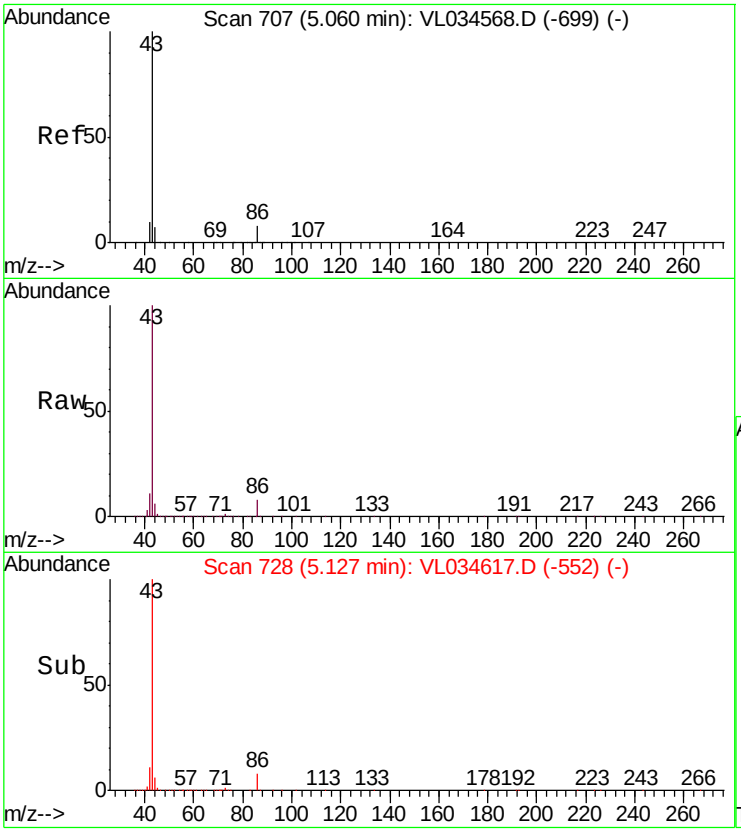


#22
trans-1,2-Dichloroethene
Concen: 9.668 ppbv
RT: 4.94 min Scan# 669
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 96 Resp: 563371

Ion	Ratio	Lower	Upper
96	100		
61	168.8	141.9	212.9
98	64.8	53.1	79.7



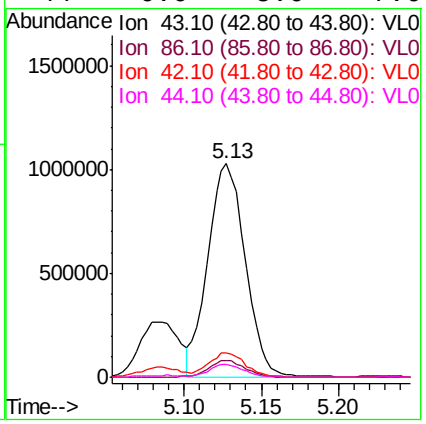


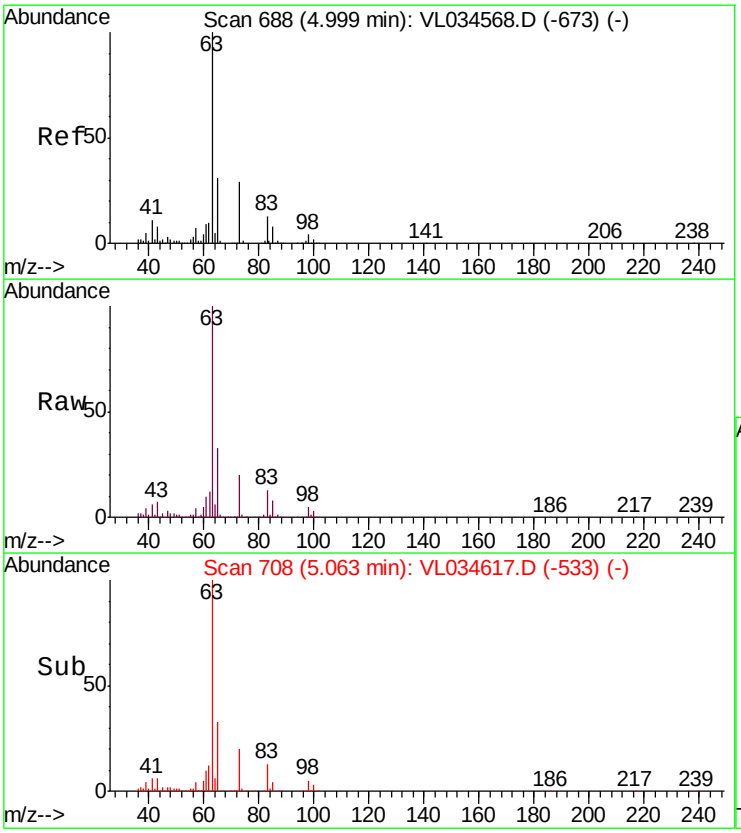
#23
Vinyl Acetate
Concen: 10.208 ppbv
RT: 5.13 min Scan# 728
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1728313

Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.9	8.9
42	11.1	8.8	13.2
44	6.0	5.0	7.6

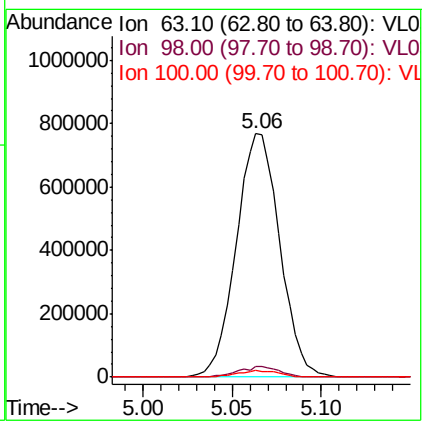


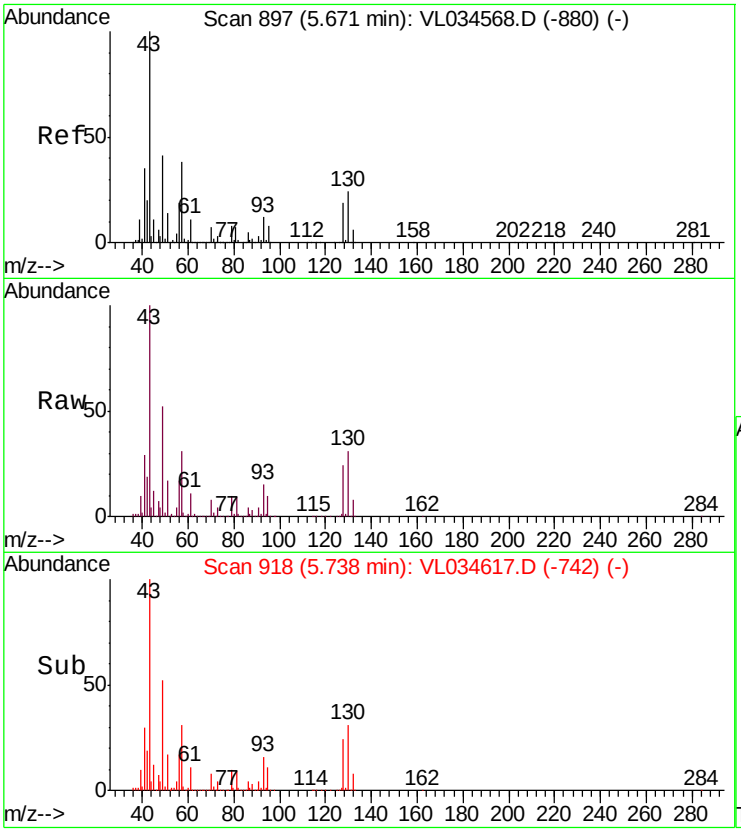


#24
1,1-Dichloroethane
Concen: 9.233 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.06 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 63 Resp: 1305087

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.2
100	2.7	1.1	3.5



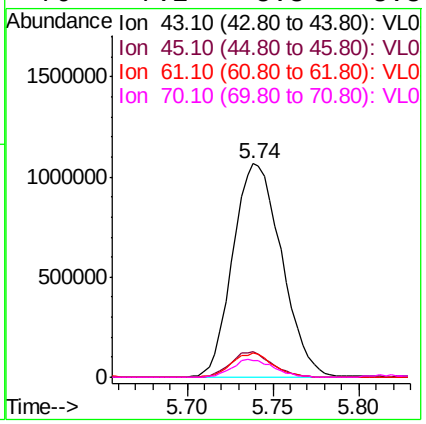


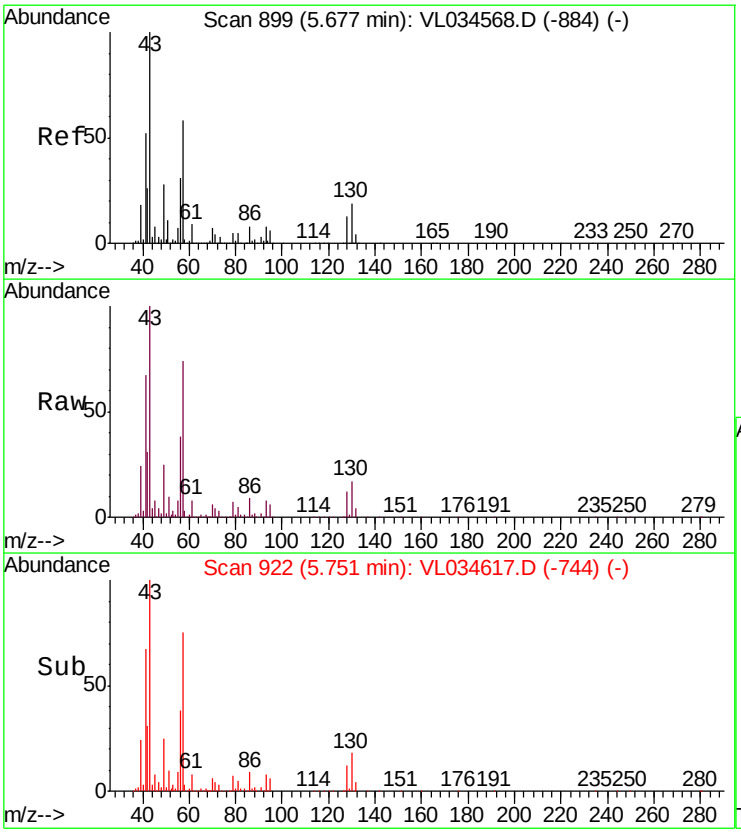
#25
Ethyl Acetate
Concen: 8.739 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2099335

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.5	12.7
61	9.6	7.8	11.6
70	7.2	5.8	8.8

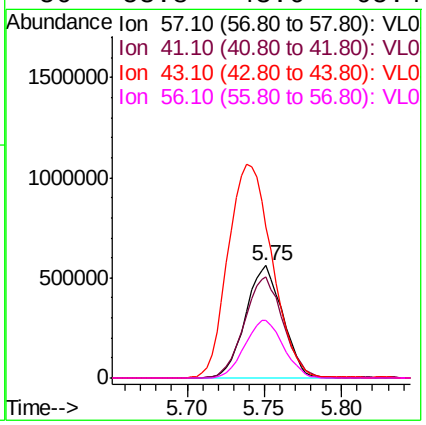


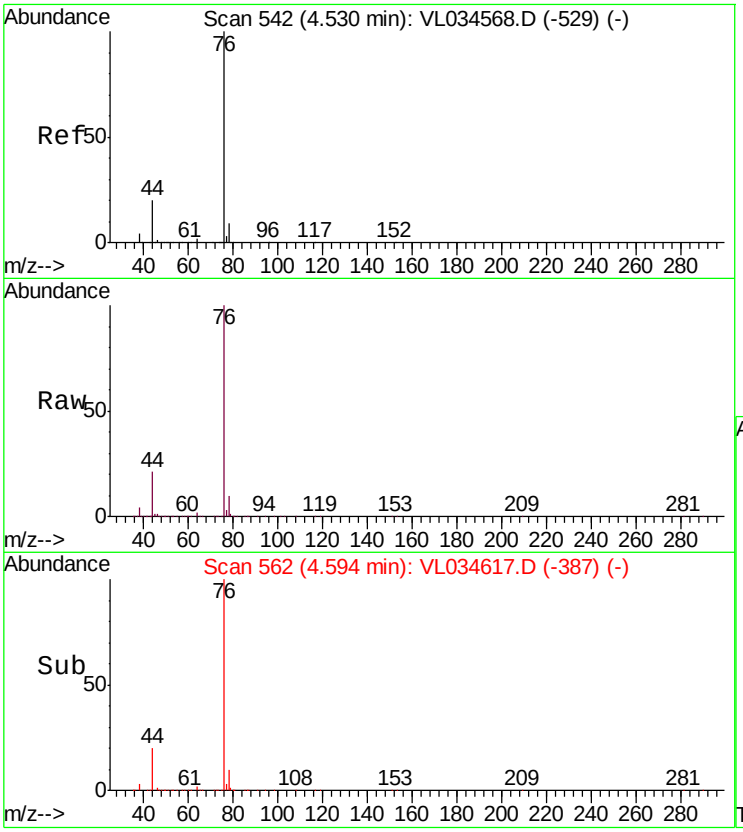


#26
Hexane
Concen: 9.306 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 57 Resp: 936388

Ion	Ratio	Lower	Upper
57	100		
41	94.8	76.2	114.2
43	226.3	189.9	284.9
56	53.8	43.6	65.4



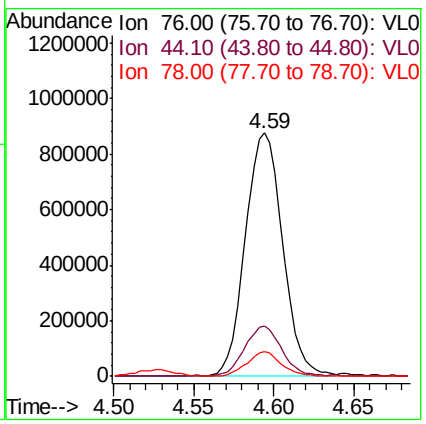


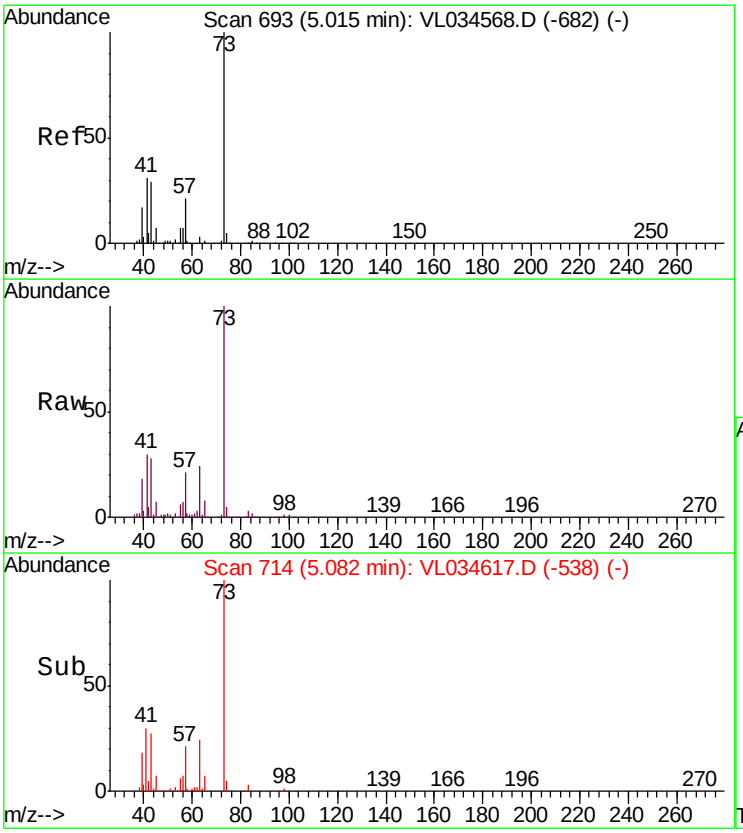
#27
Carbon Disulfide
Concen: 10.307 ppbv
RT: 4.59 min Scan# 562
Delta R.T. 0.06 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 76 Resp: 1399413

Ion	Ratio	Lower	Upper
76	100		
44	20.3	16.3	24.5
78	9.4	7.4	11.2

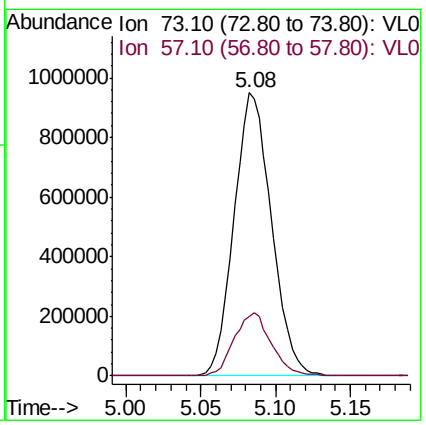


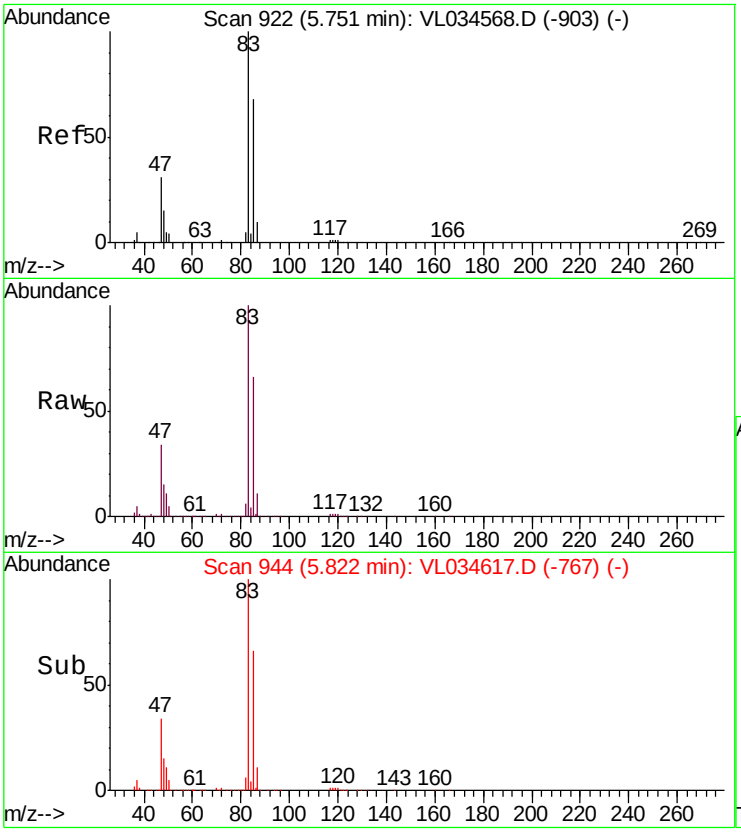


#28
Methyl tert-Butyl Ether
Concen: 9.643 ppbv
RT: 5.08 min Scan# 714
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 73 Resp: 1654837

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9



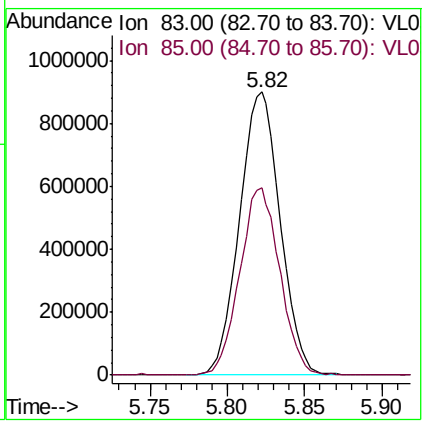


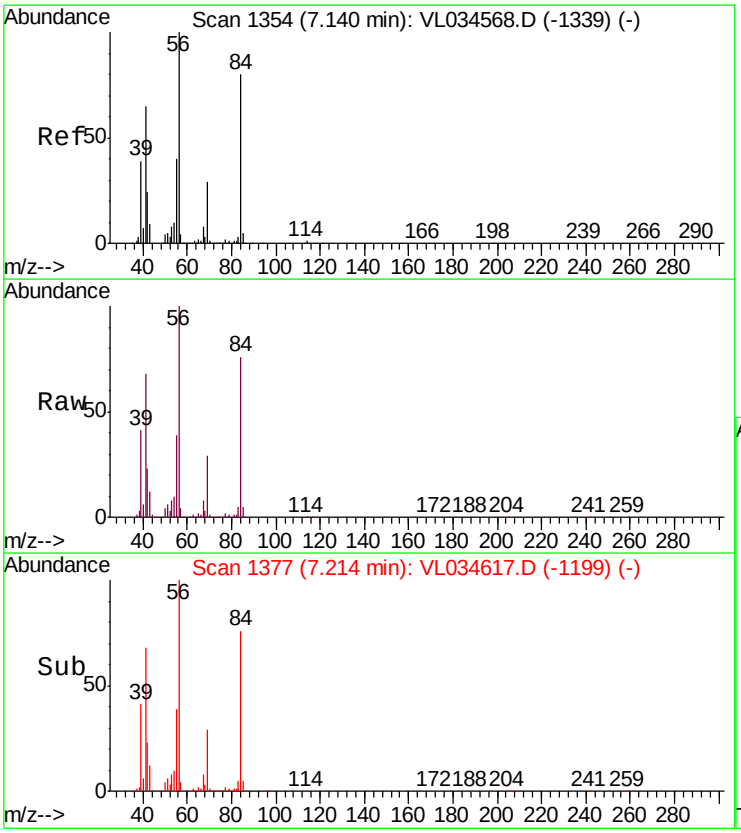
#29
Chloroform
Concen: 9.267 ppbv
RT: 5.82 min Scan# 944
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1648931

Ion	Ratio	Lower	Upper
83	100		
85	66.0	54.0	81.0

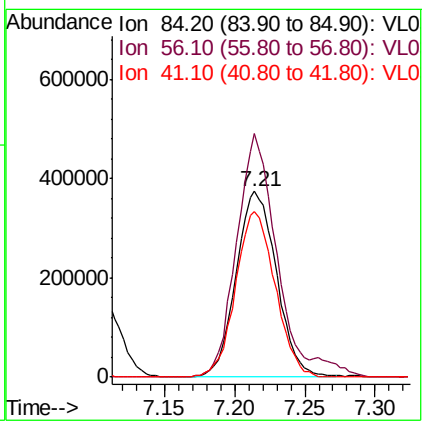


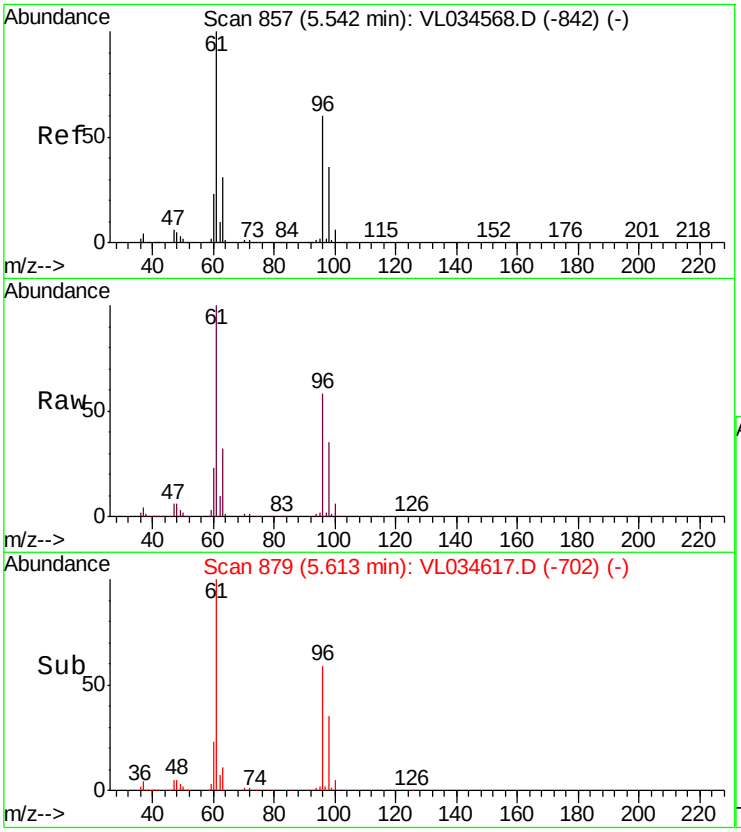


#30
Cyclohexane
Concen: 10.087 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 84 Resp: 752180

Ion	Ratio	Lower	Upper
84	100		
56	133.0	110.5	165.7
41	86.9	71.9	107.9



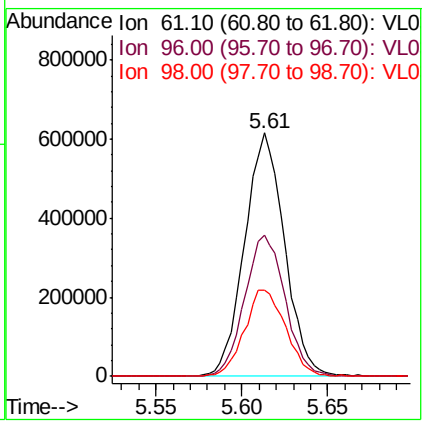


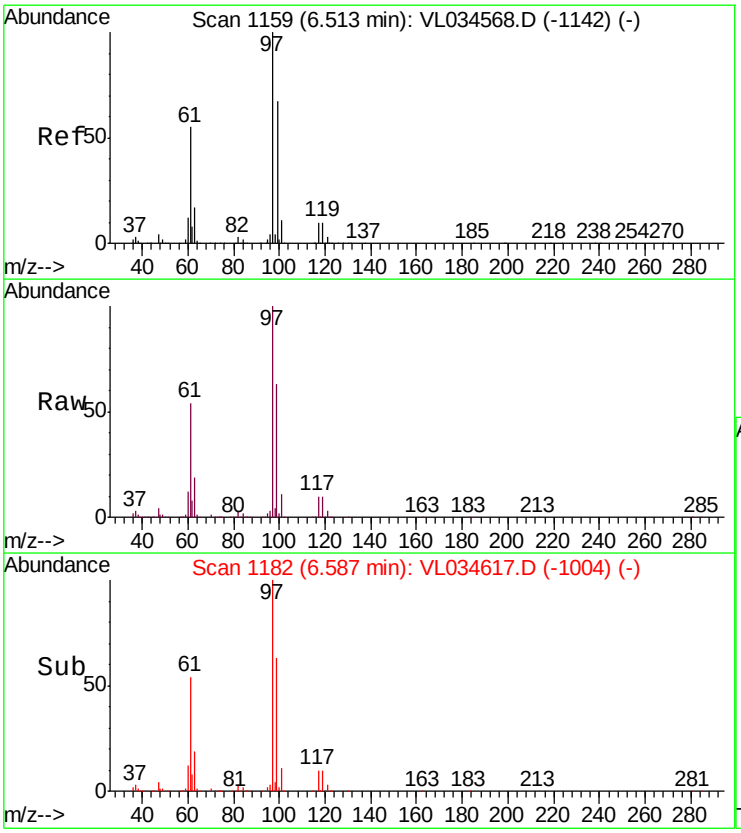
#31
cis-1,2-Dichloroethene
Concen: 9.463 ppbv
RT: 5.61 min Scan# 879
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 989334

Ion	Ratio	Lower	Upper
61	100		
96	58.0	48.0	72.0
98	35.3	28.6	43.0

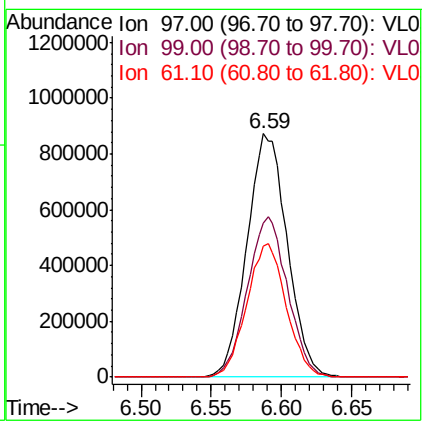


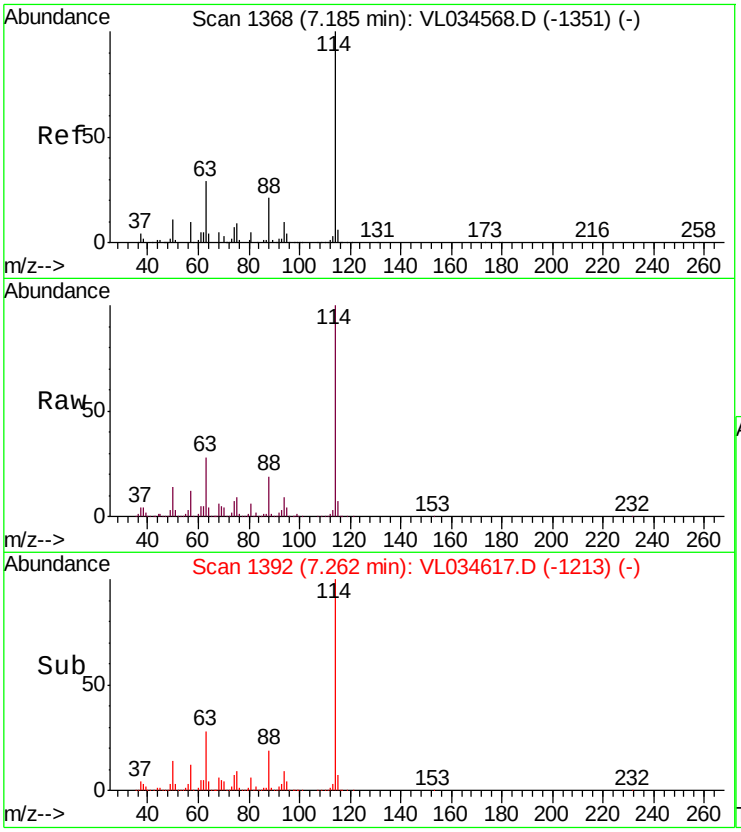


#32
1,1,1-Trichloroethane
Concen: 9.121 ppbv
RT: 6.59 min Scan# 1182
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 97 Resp: 1742583

Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.2	78.2
61	54.1	43.0	64.4



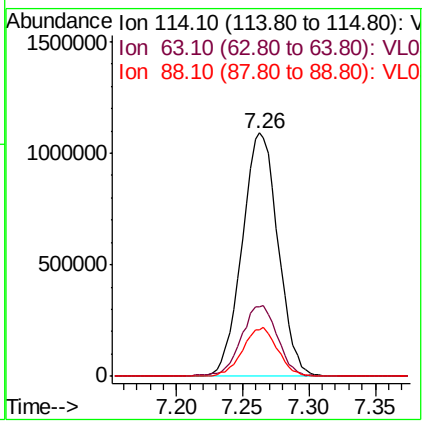


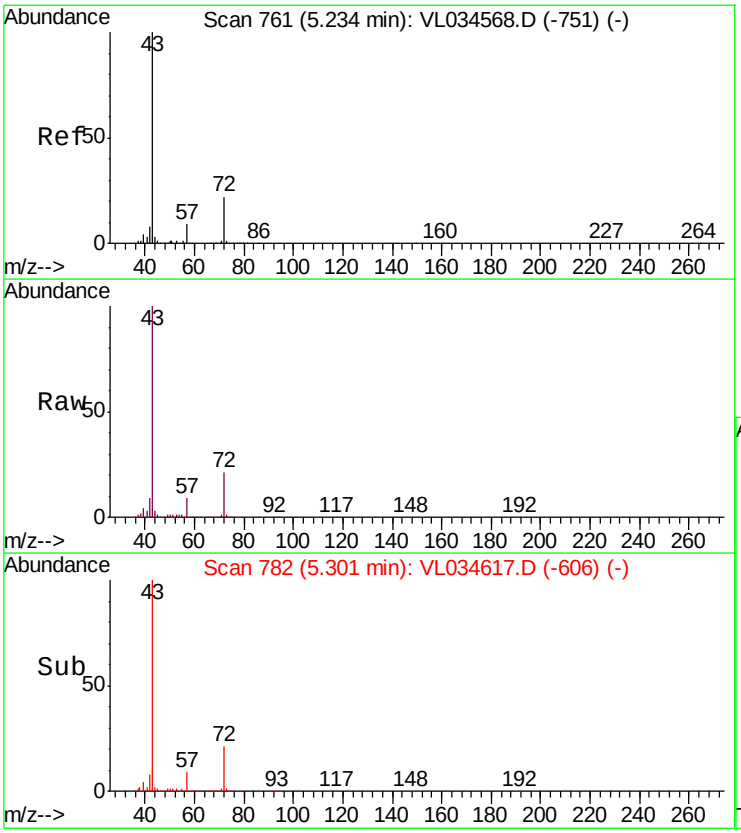
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.26 min Scan# 1392
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 2056430

Ion	Ratio	Lower	Upper
114	100		
63	29.6	24.1	36.1
88	19.6	15.9	23.9

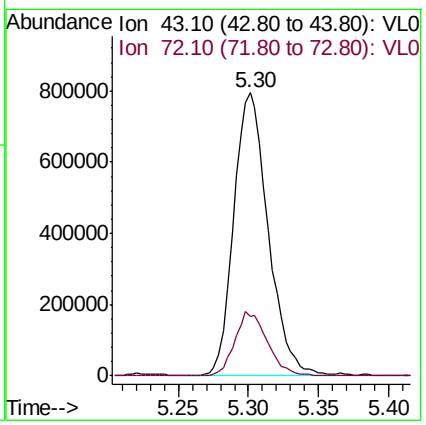


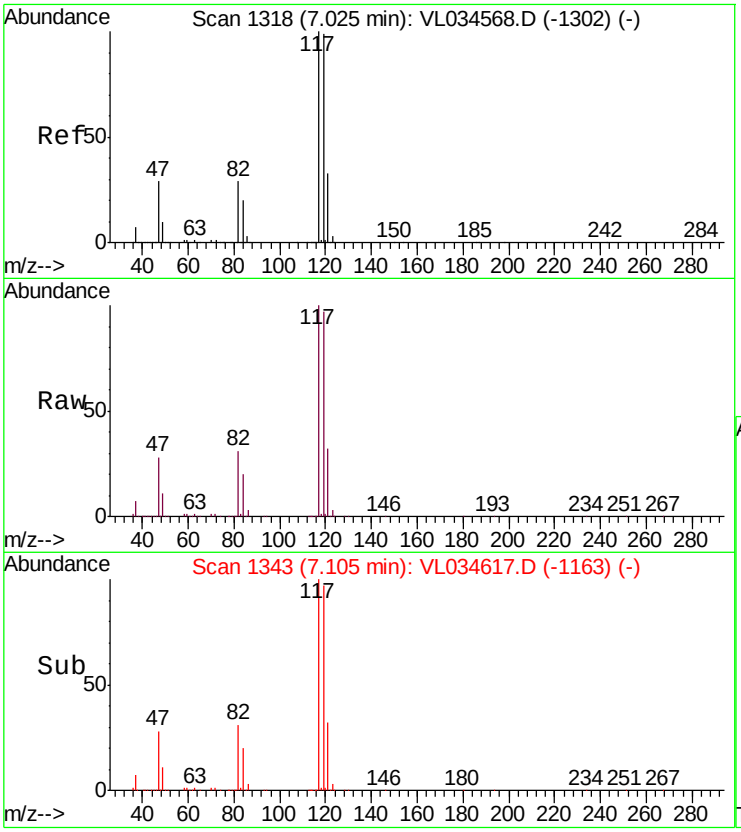


#34
2-Butanone
Concen: 9.095 ppbv
RT: 5.30 min Scan# 782
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 43 Resp: 1357957

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.2	25.8



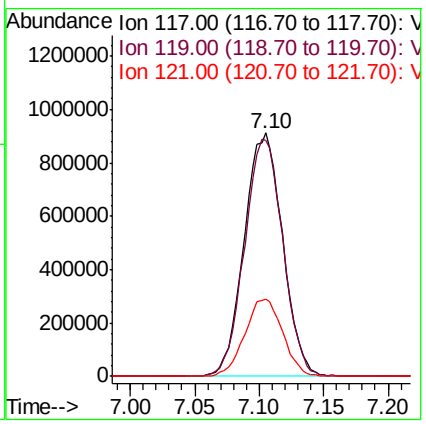


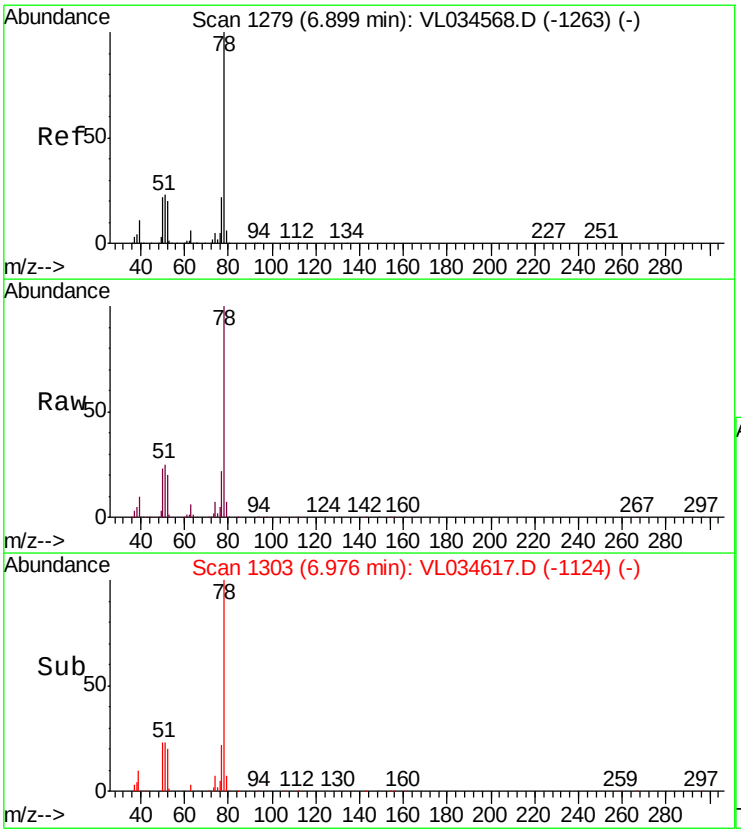
#35
Carbon Tetrachloride
Concen: 9.640 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 1895217

Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.5	119.3
121	31.9	26.2	39.2

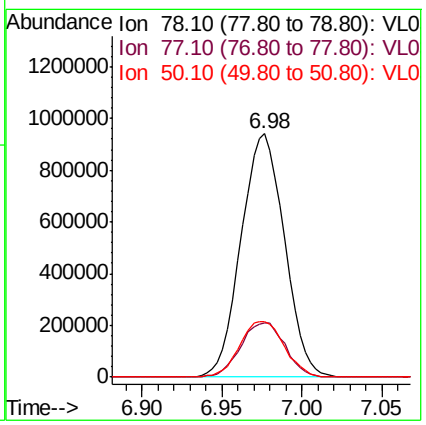


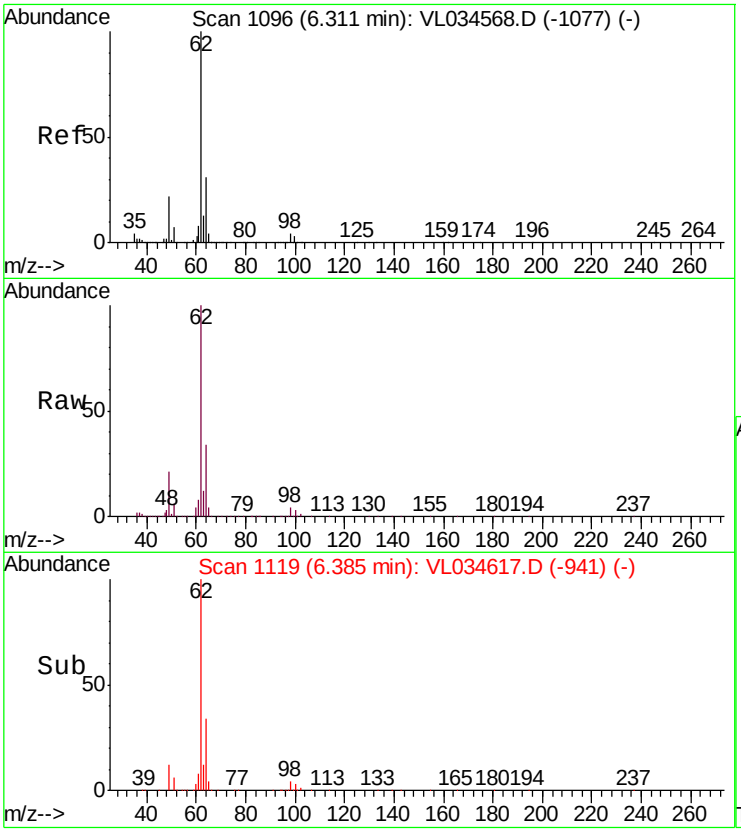


#36
Benzene
Concen: 9.521 ppbv
RT: 6.98 min Scan# 1303
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 78 Resp: 1741107

Ion	Ratio	Lower	Upper
78	100		
77	22.1	17.3	25.9
50	23.0	17.4	26.2



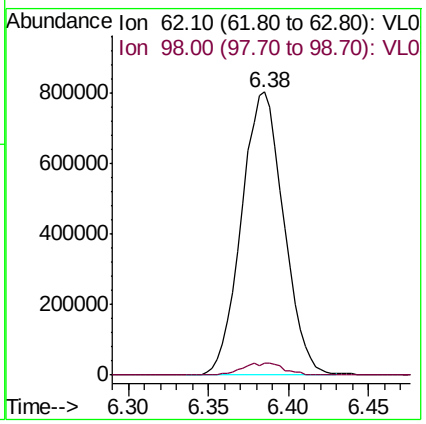


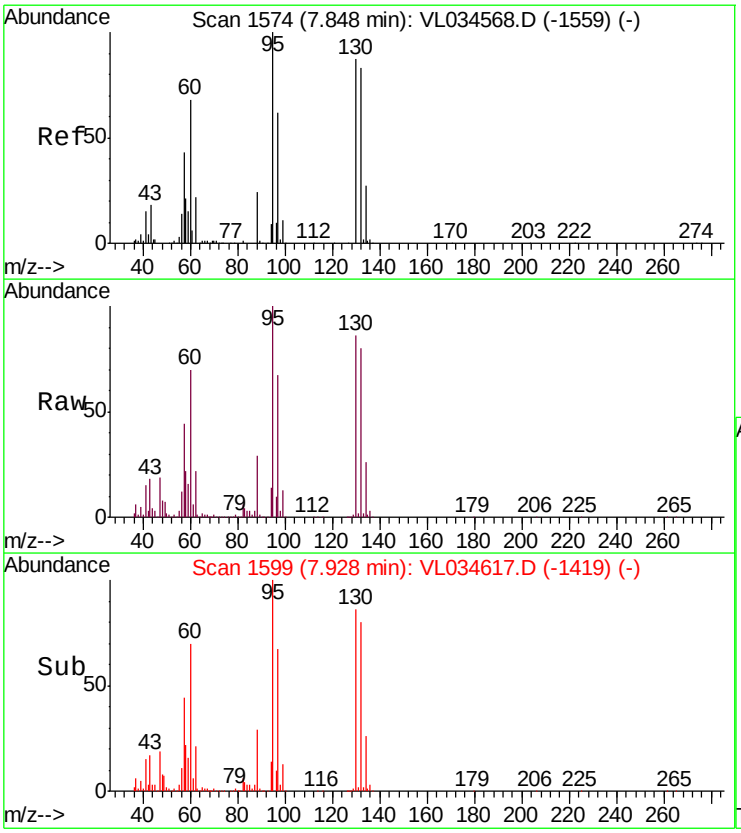
#37
1,2-Dichloroethane
Concen: 9.494 ppbv
RT: 6.38 min Scan# 1119
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 1448589

Ion	Ratio	Lower	Upper
62	100		
98	4.3	3.7	5.5

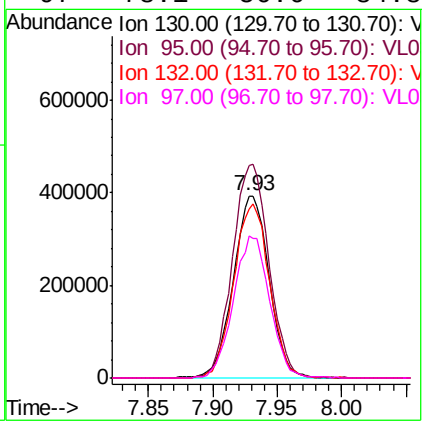


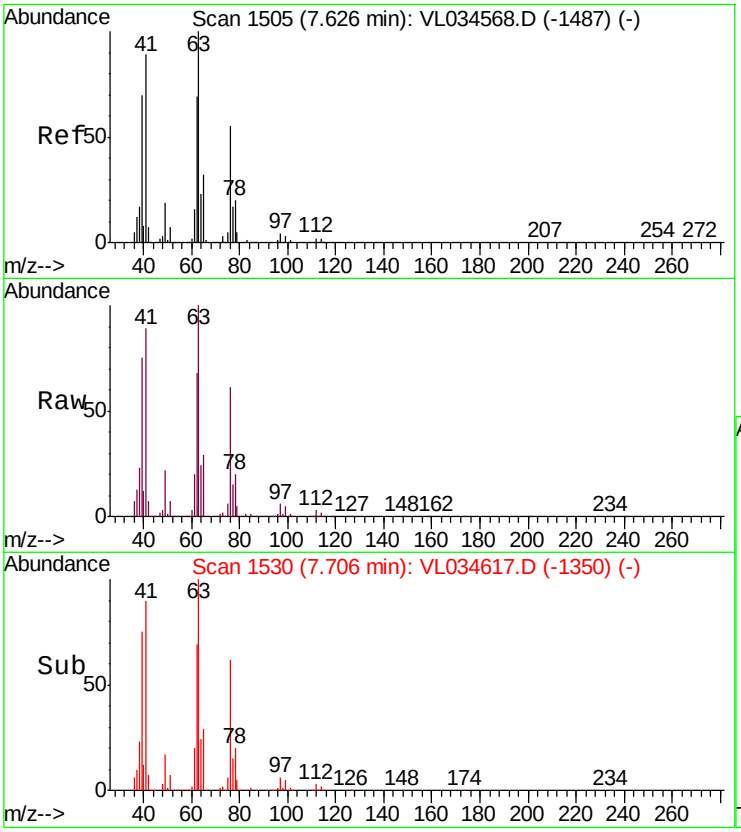


#38
Trichloroethene
Concen: 9.810 ppbv
RT: 7.93 min Scan# 1599
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion:130 Resp: 756237

Ion	Ratio	Lower	Upper
130	100		
95	116.4	91.6	137.4
132	92.9	76.1	114.1
97	78.1	56.6	84.8



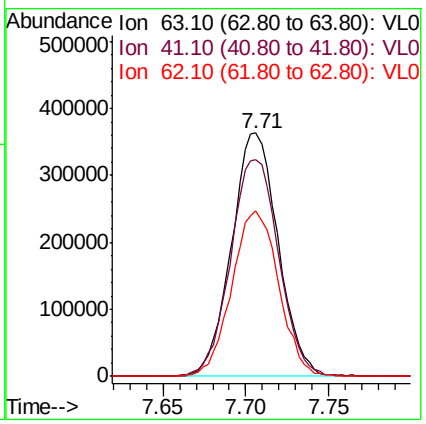


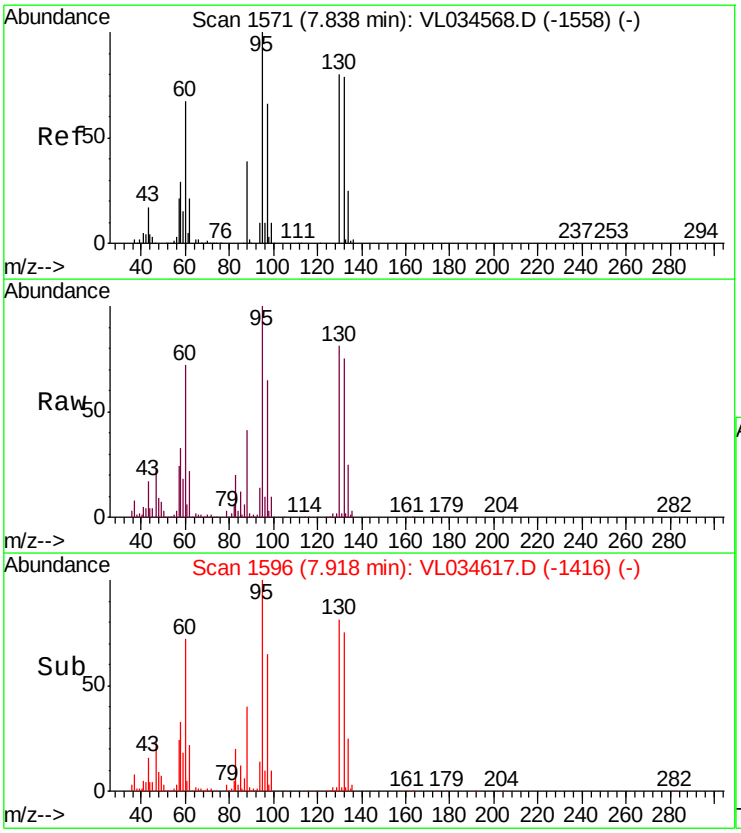
#39
1,2-Dichloropropane
Concen: 9.283 ppbv
RT: 7.71 min Scan# 1530
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 63 Resp: 703785

Ion	Ratio	Lower	Upper
63	100		
41	88.9	71.0	106.4
62	67.8	55.4	83.0

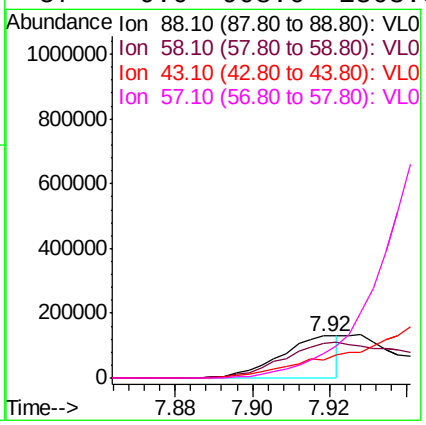


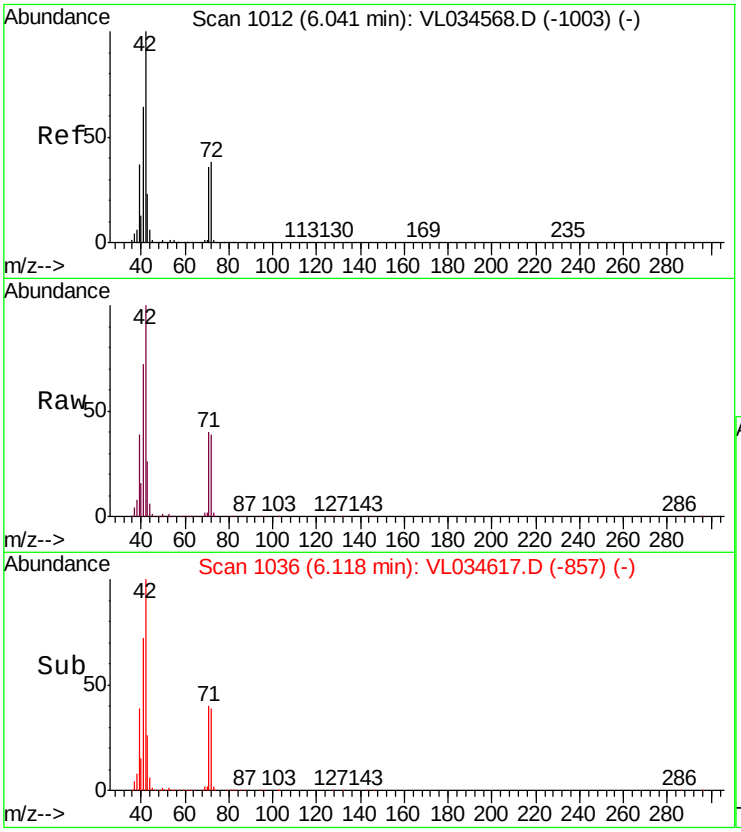


#40
1,4-Dioxane
Concen: 4.603 ppbv
RT: 7.92 min Scan# 1596
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 88 Resp: 134142

Ion	Ratio	Lower	Upper
88	100		
58	282.6	107.8	161.8#
43	0.0	220.9	331.3#
57	0.0	908.6	1363.0#



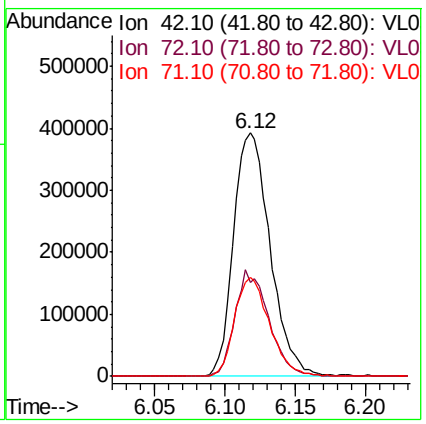


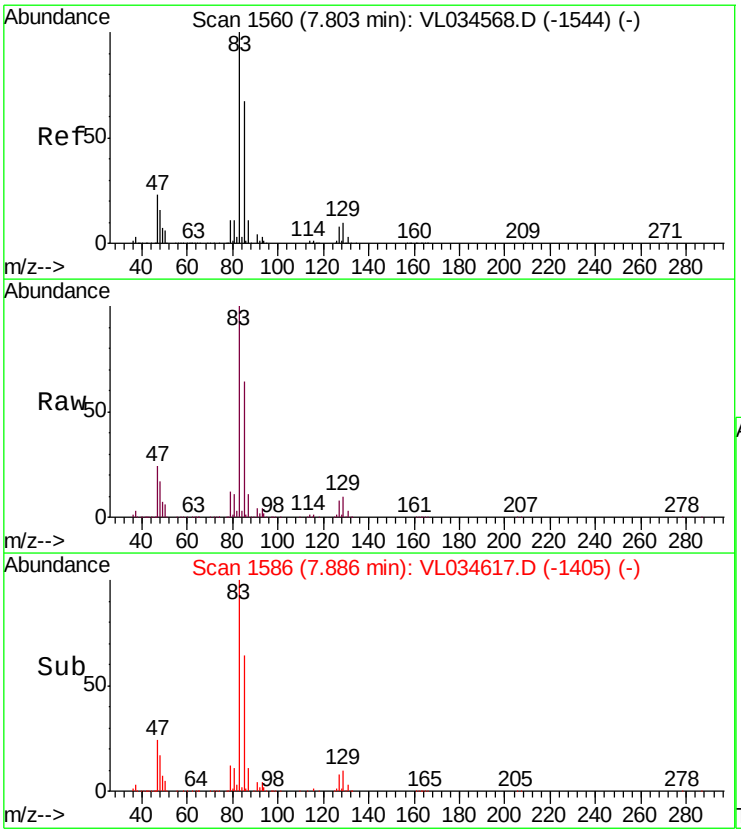
#41
Tetrahydrofuran
Concen: 9.190 ppbv
RT: 6.12 min Scan# 1036
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 42 Resp: 715815

Ion	Ratio	Lower	Upper
42	100		
72	40.4	31.8	47.8
71	39.0	30.2	45.4

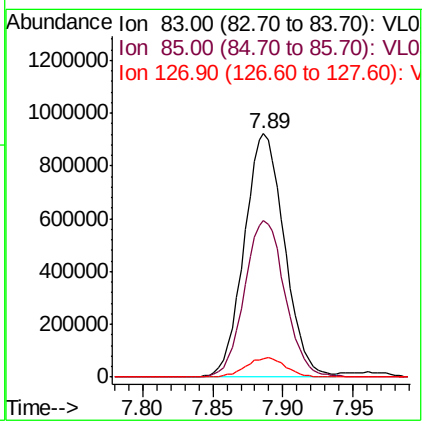


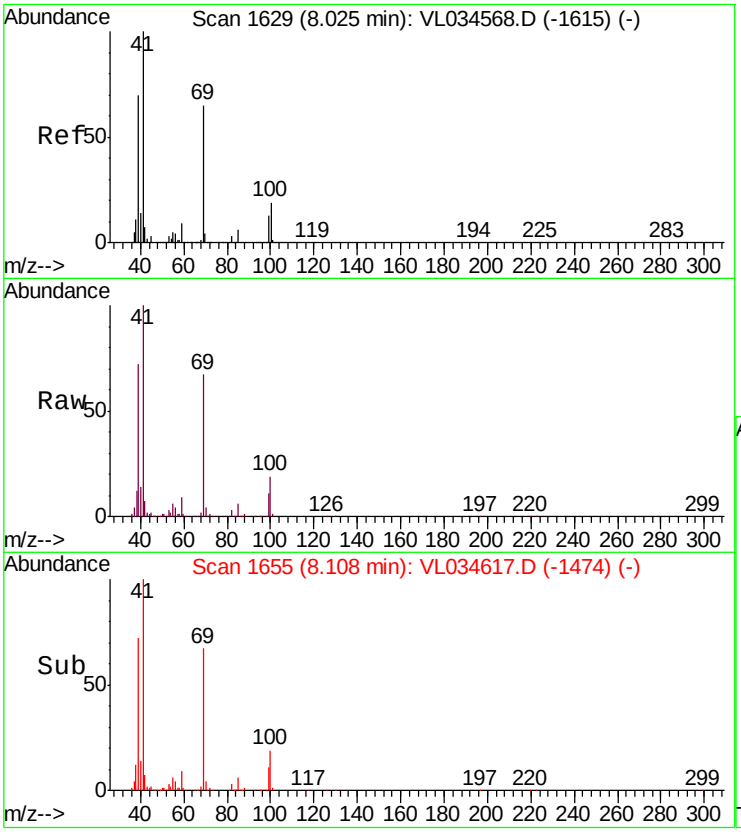


#42
Bromodichloromethane
Concen: 9.809 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 83 Resp: 1842011

Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.2	79.8
127	7.7	6.5	9.7



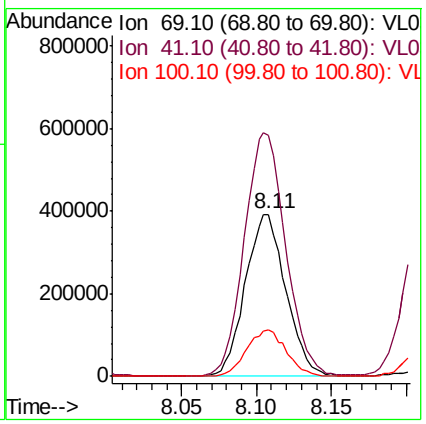


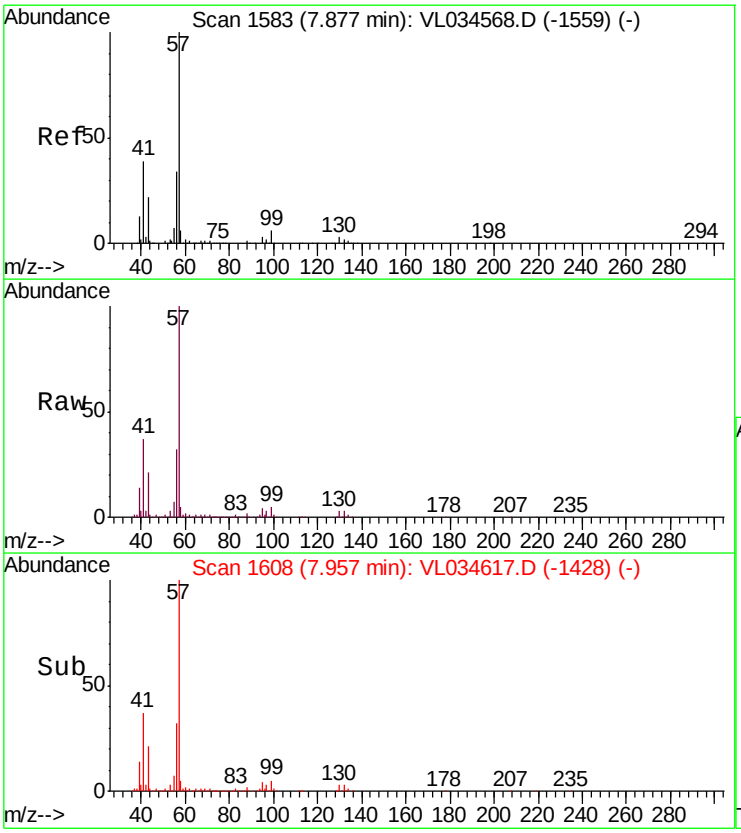
#43
Methyl Methacrylate
Concen: 10.069 ppbv
RT: 8.11 min Scan# 1655
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 740600

Ion	Ratio	Lower	Upper
69	100		
41	153.7	123.9	185.9
100	28.0	24.1	36.1

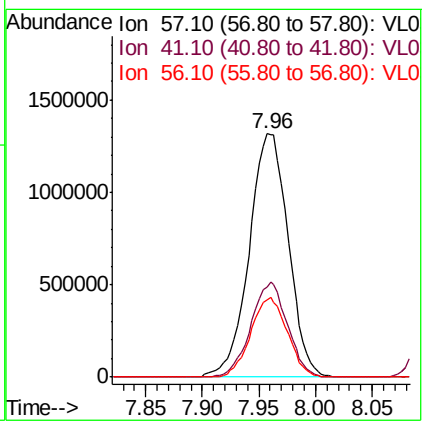


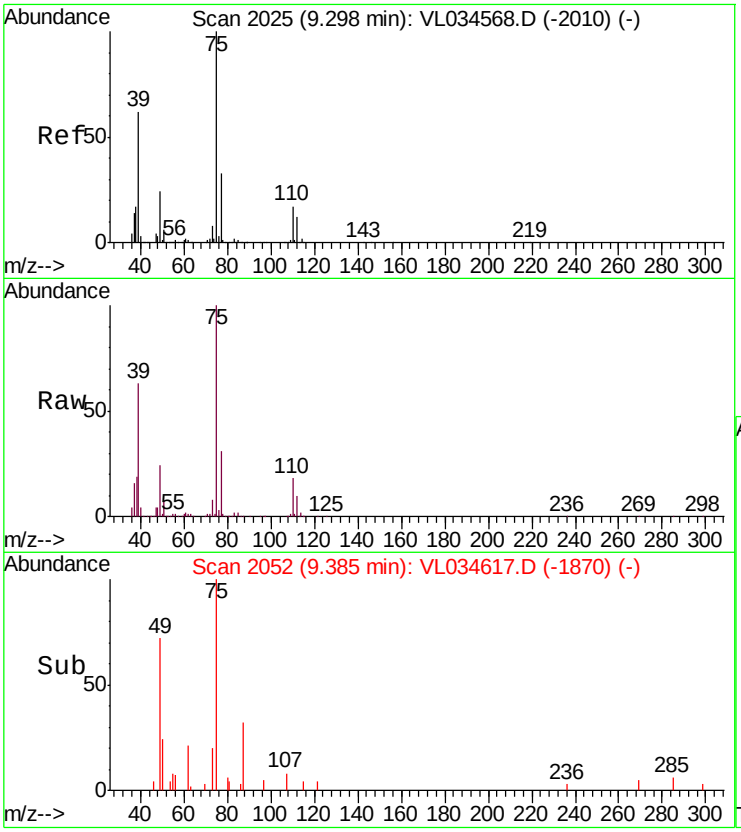


#44
2,2,4-Trimethylpentane
Concen: 9.497 ppbv
RT: 7.96 min Scan# 1608
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 57 Resp: 3151136

Ion	Ratio	Lower	Upper
57	100		
41	36.9	28.9	43.3
56	31.0	25.5	38.3



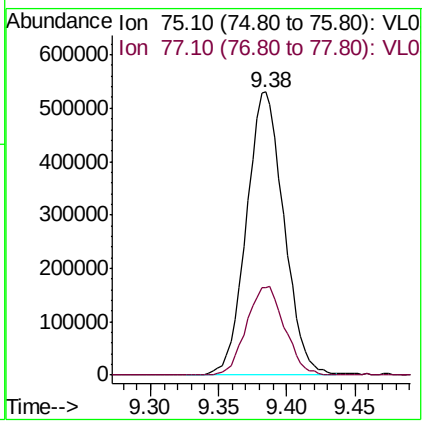


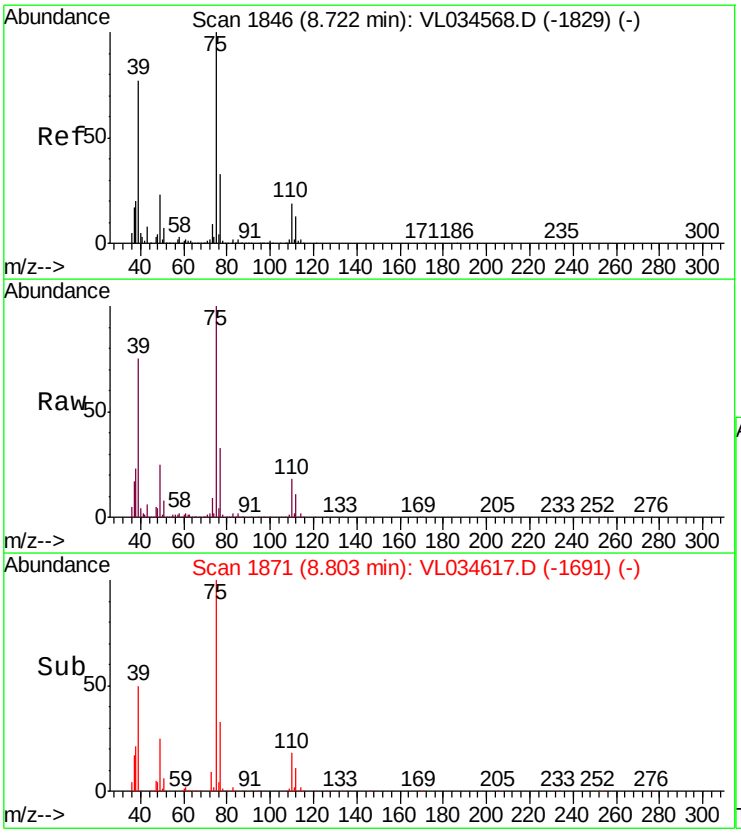
#45
t-1,3-Dichloropropene
Concen: 10.485 ppbv
RT: 9.38 min Scan# 2052
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 75 Resp: 1009875

Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.7	40.1

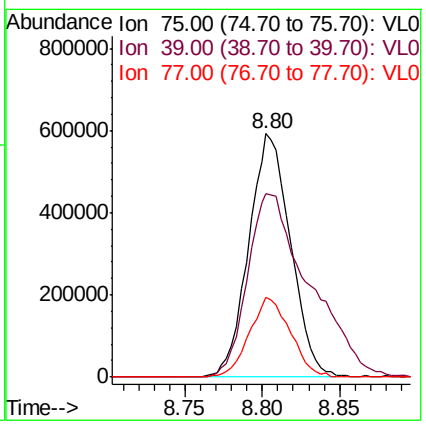


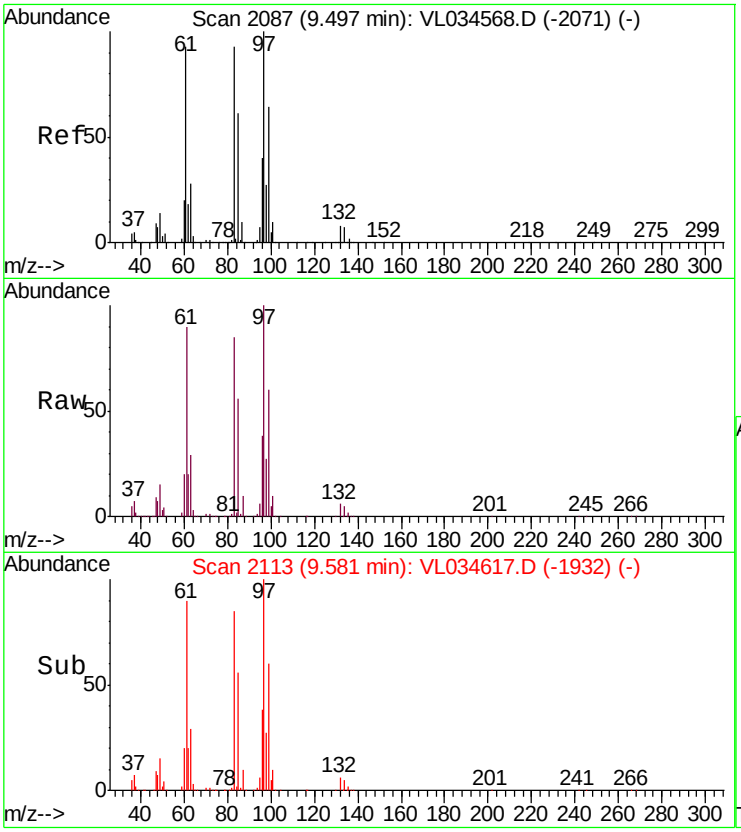


#46
cis-1,3-Dichloropropene
Concen: 10.167 ppbv
RT: 8.80 min Scan# 1871
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 75 Resp: 1113020

Ion	Ratio	Lower	Upper
75	100		
39	75.3	61.9	92.9
77	32.9	26.1	39.1



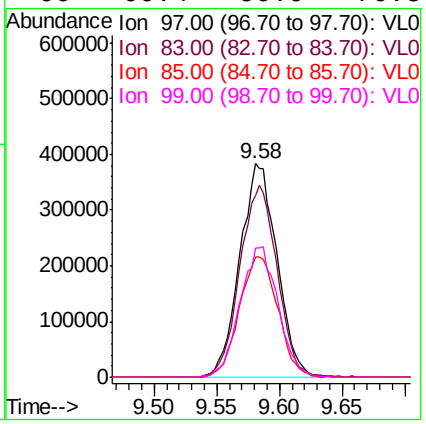


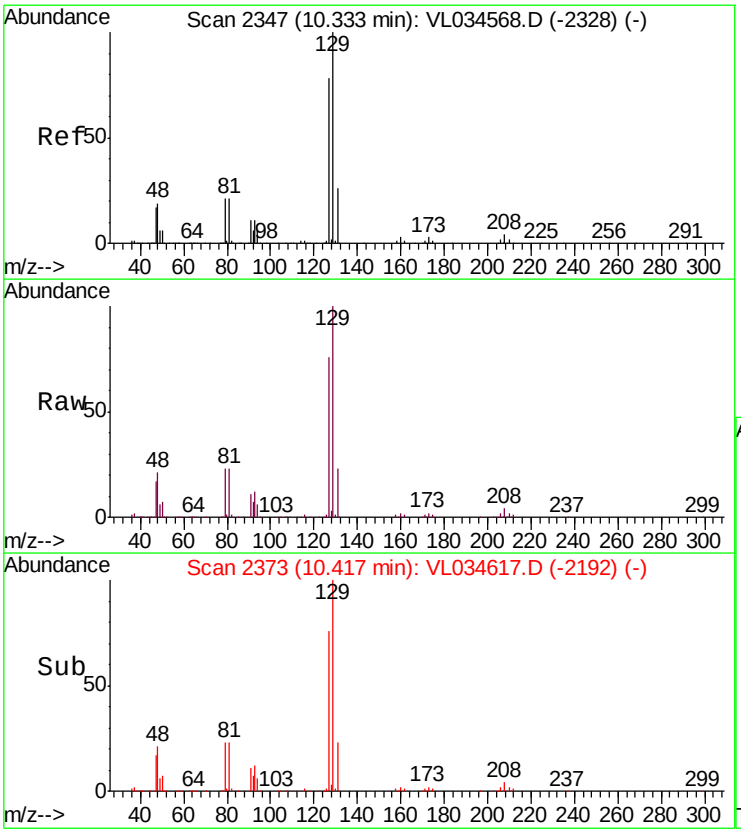
#47
1,1,2-Trichloroethane
Concen: 9.618 ppbv
RT: 9.58 min Scan# 2113
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 789756

Ion	Ratio	Lower	Upper
97	100		
83	85.0	74.4	111.6
85	56.4	49.2	73.8
99	60.4	50.9	76.3

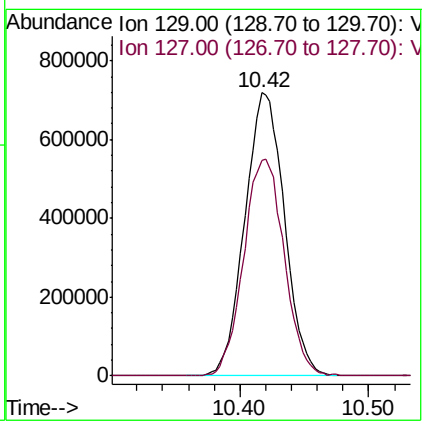


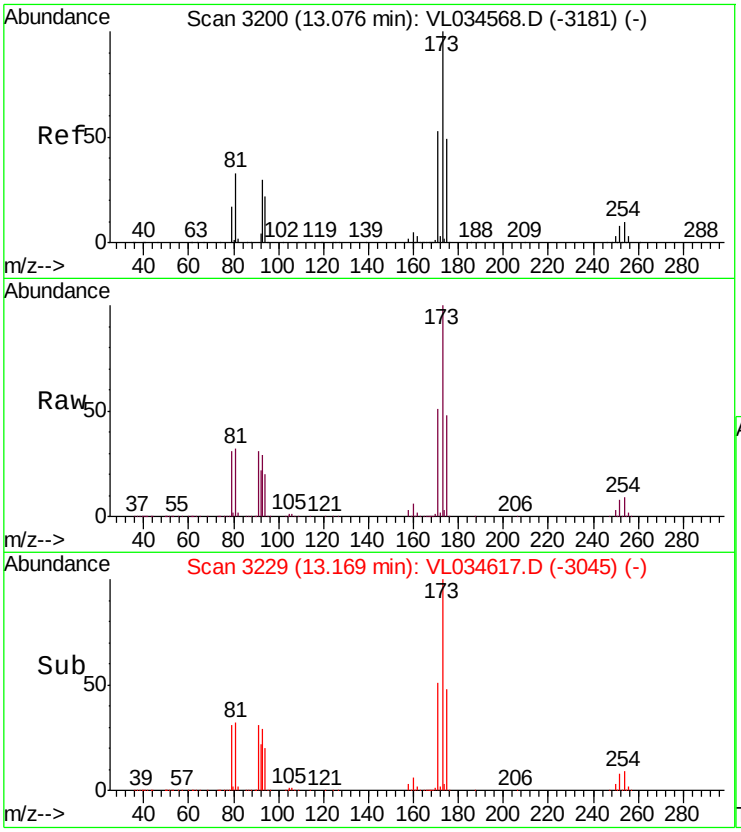


#48
Dibromochloromethane
Concen: 10.213 ppbv
RT: 10.42 min Scan# 2373
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion:129 Resp: 1536646

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.2



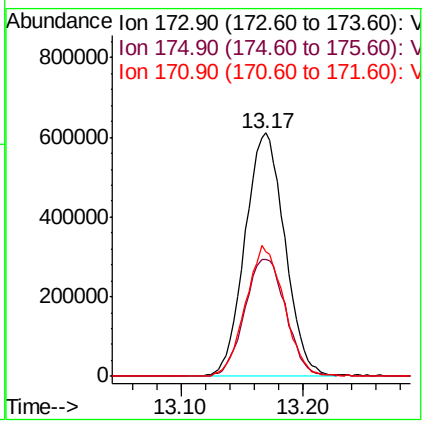


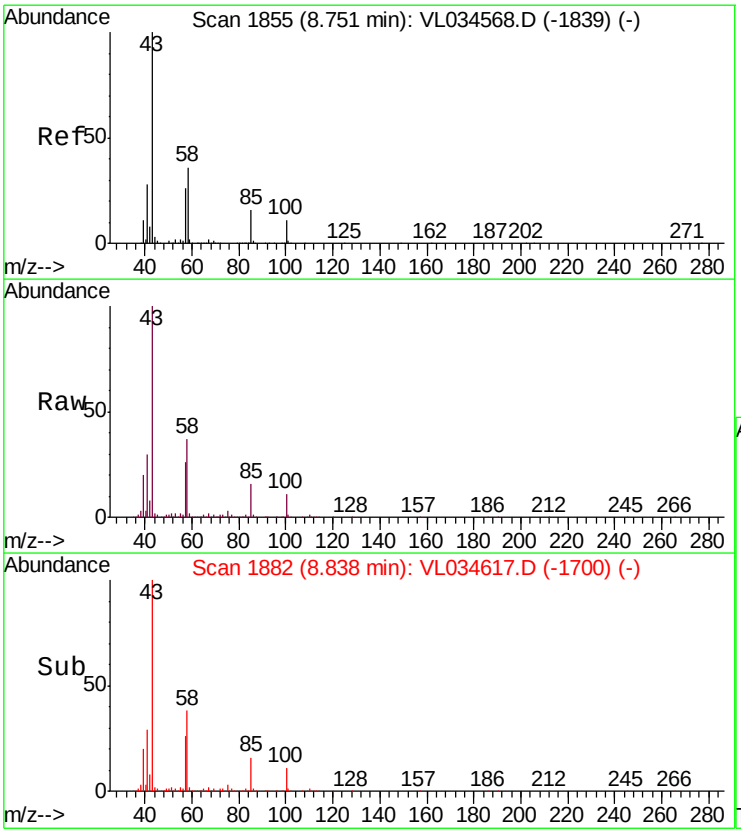
#49
Bromoform
Concen: 10.437 ppbv
RT: 13.17 min Scan# 3229
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:173 Resp: 1378743

Ion	Ratio	Lower	Upper
173	100		
175	50.2	39.7	59.5
171	52.2	41.6	62.4

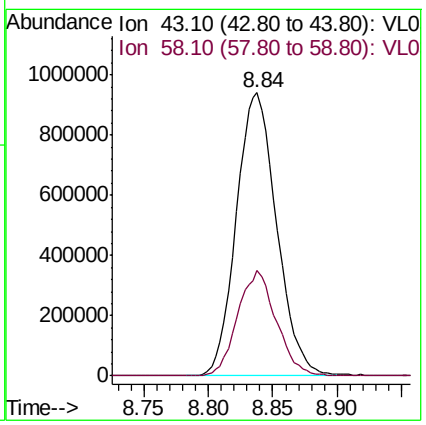


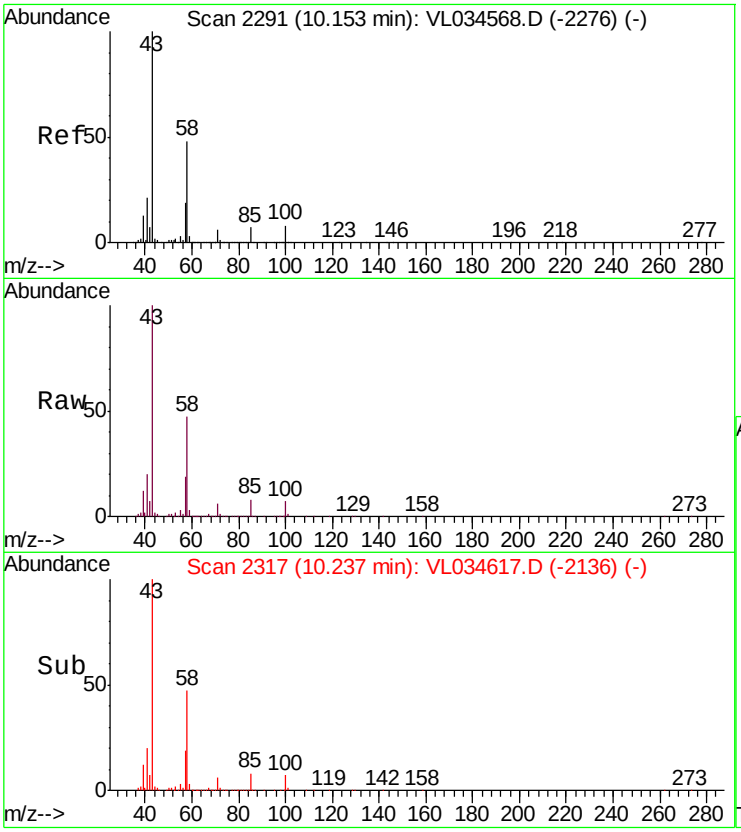


#50
4-Methyl-2-Pentanone
Concen: 9.606 ppbv
RT: 8.84 min Scan# 1882
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 43 Resp: 2045500

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.6	43.0



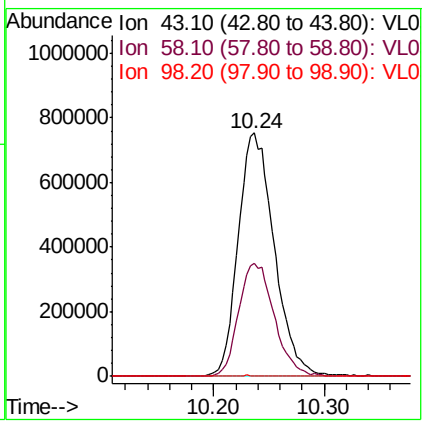


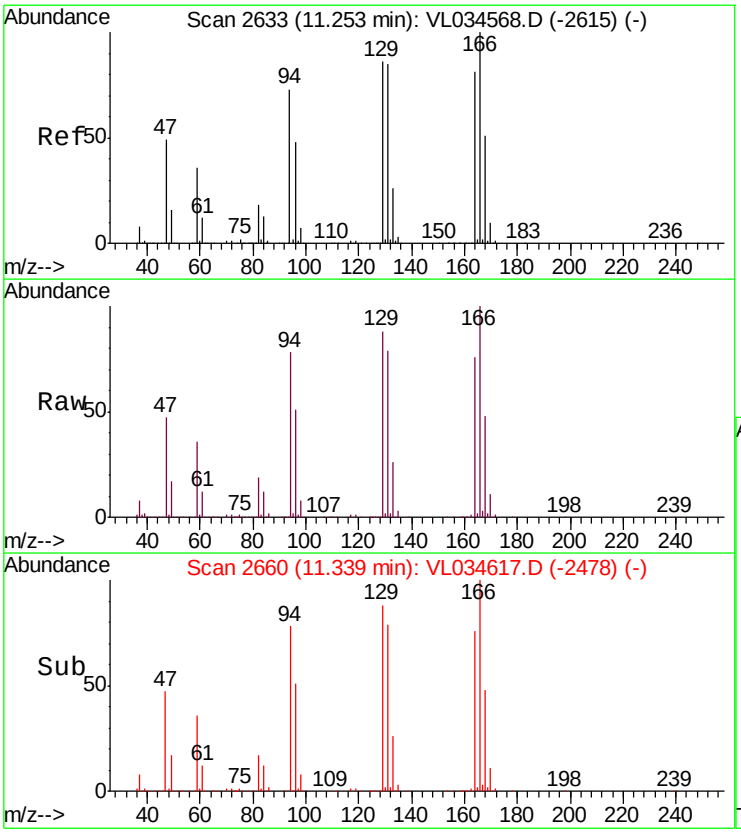
#51
2-Hexanone
Concen: 10.142 ppbv
RT: 10.24 min Scan# 2317
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1700093

Ion	Ratio	Lower	Upper
43	100		
58	46.0	37.9	56.9
98	0.3	0.3	0.5#

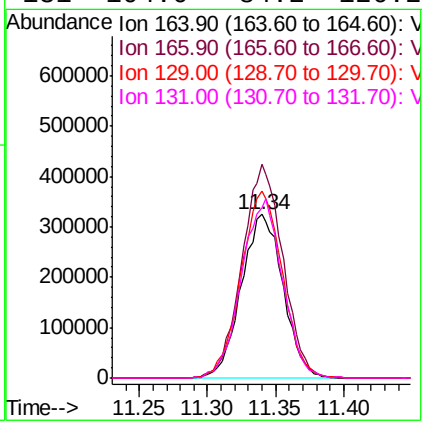


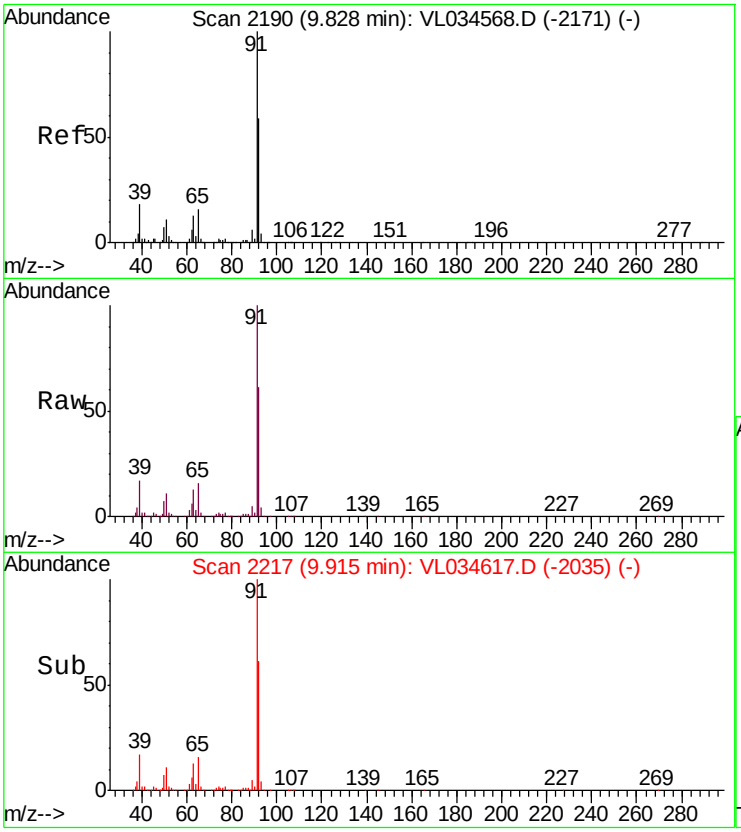


#52
Tetrachloroethene
Concen: 9.352 ppbv
RT: 11.34 min Scan# 2660
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion:164 Resp: 687019

Ion	Ratio	Lower	Upper
164	100		
166	130.7	99.0	148.4
129	114.6	85.3	127.9
131	104.0	84.2	126.2



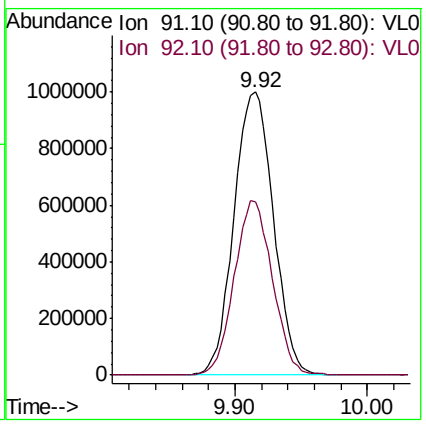


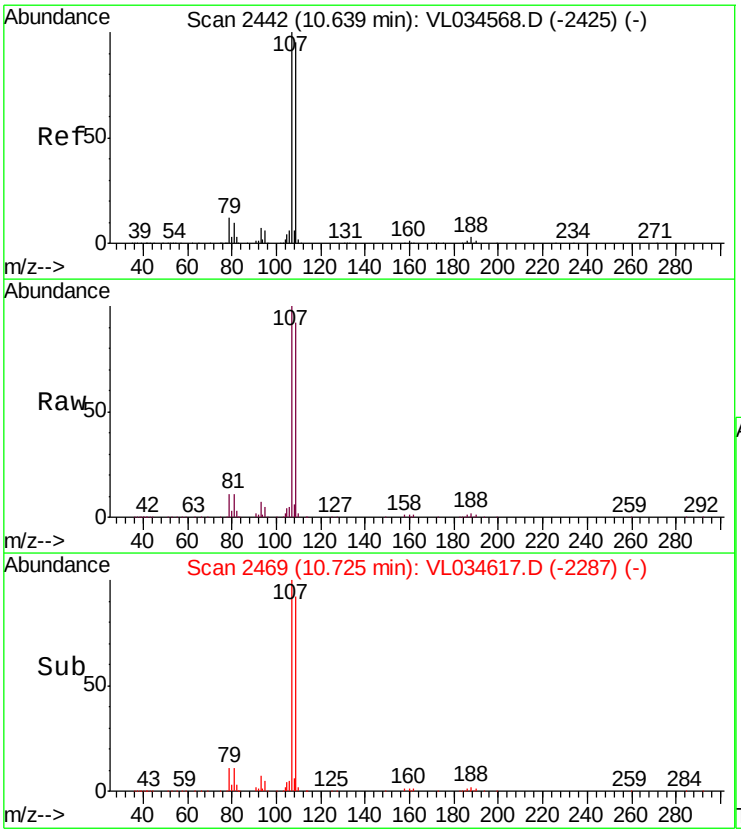
#53
Toluene
Concen: 10.291 ppbv
RT: 9.92 min Scan# 2217
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2067500

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.2	72.2

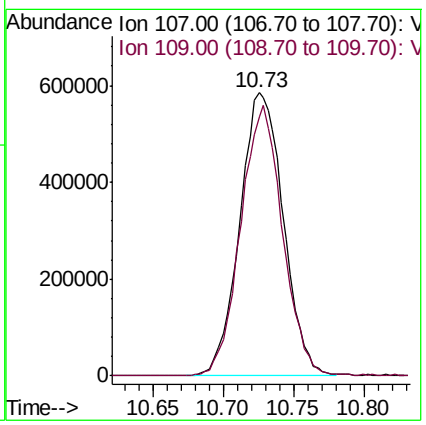


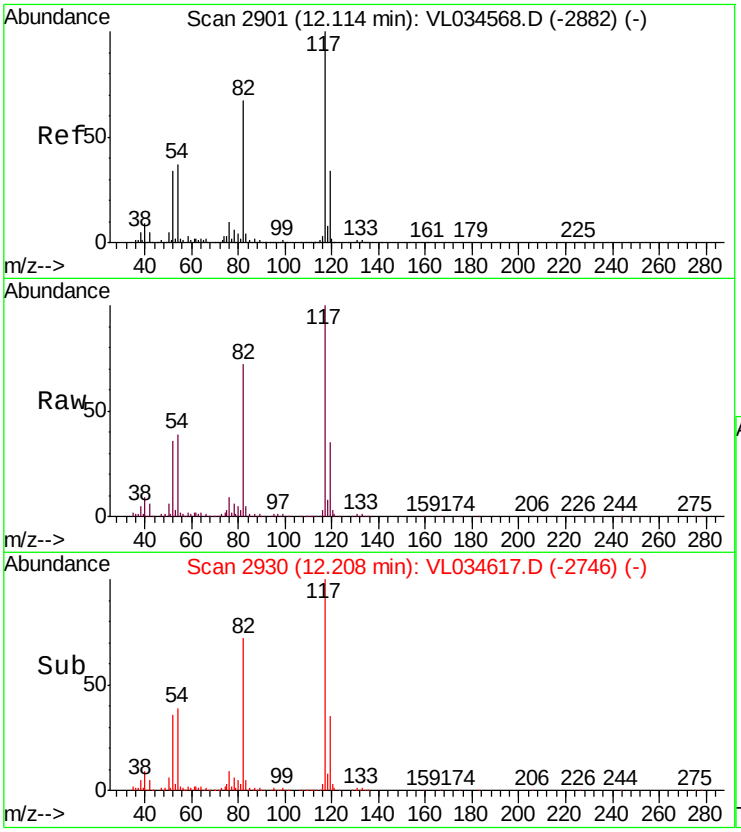


#54
1,2-Dibromoethane
Concen: 10.255 ppbv
RT: 10.73 min Scan# 2469
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion:107 Resp: 1261864

Ion	Ratio	Lower	Upper
107	100		
109	91.5	75.9	113.9



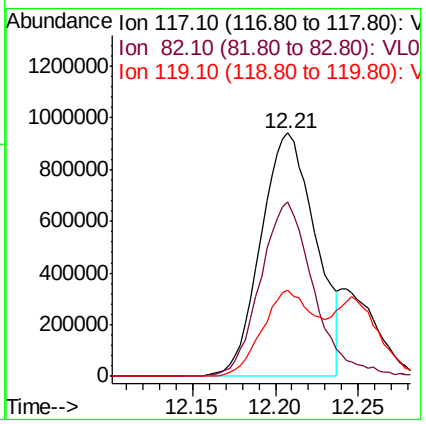


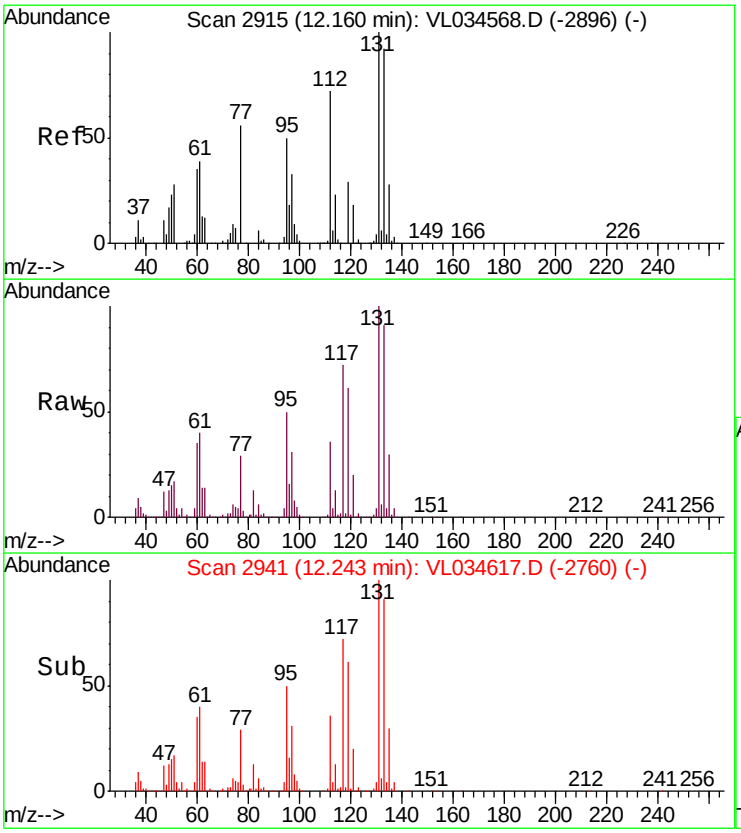
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2930
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 2161005

Ion	Ratio	Lower	Upper
117	100		
82	70.4	54.2	81.4
119	34.2	26.1	39.1

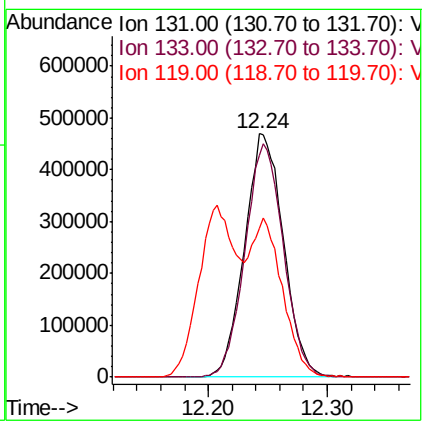


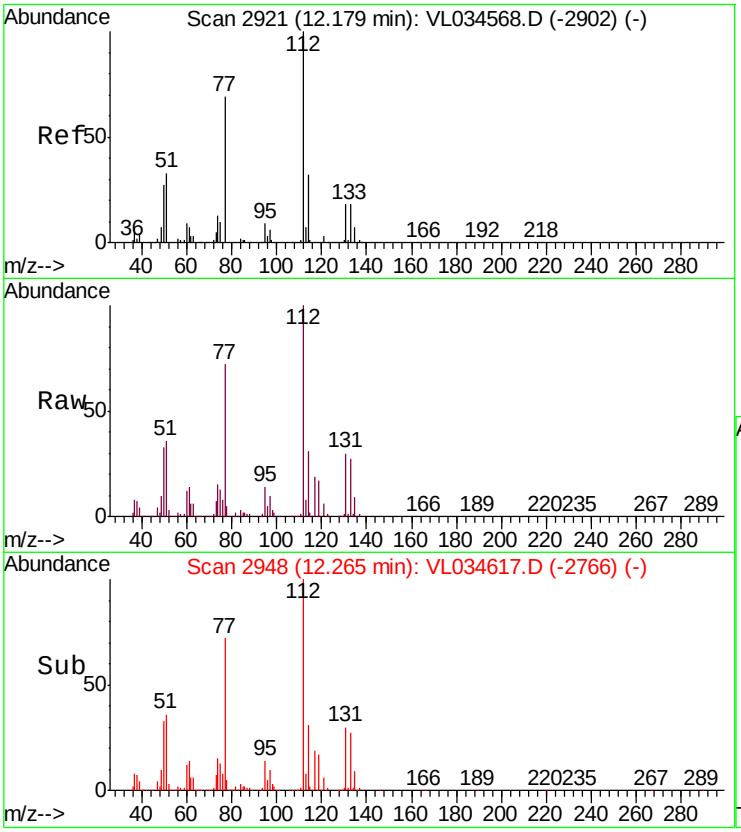


#56
1,1,1,2-Tetrachloroethane
Concen: 9.940 ppbv
RT: 12.24 min Scan# 2941
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion:131 Resp: 1060463

Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.8	113.8
119	54.9	47.0	70.6



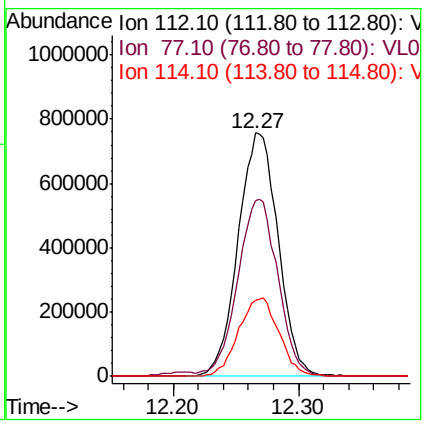


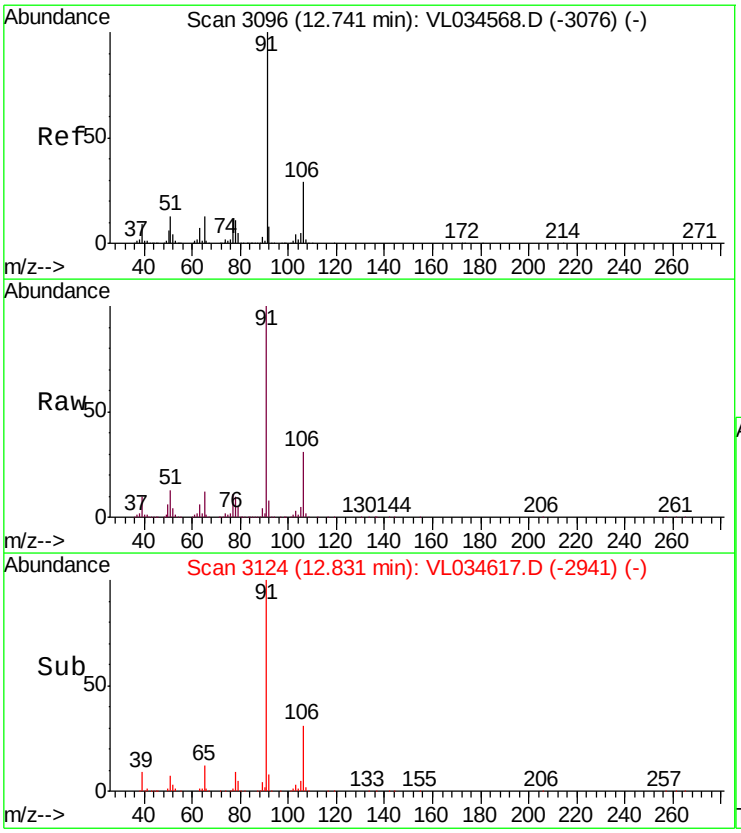
#57
Chlorobenzene
Concen: 9.421 ppbv
RT: 12.27 min Scan# 2948
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 1675249

Ion	Ratio	Lower	Upper
112	100		
77	71.9	56.5	84.7
114	31.2	29.2	35.6

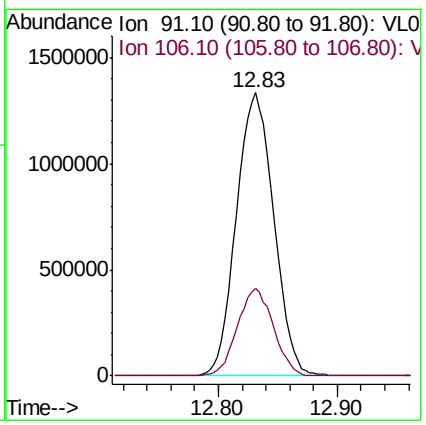


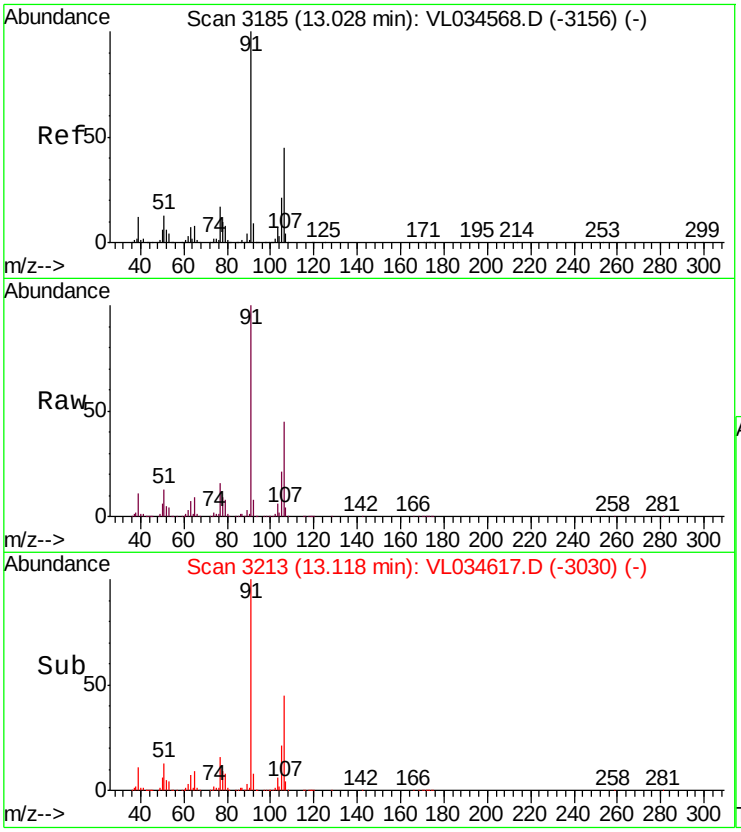


#58
Ethyl Benzene
Concen: 10.052 ppbv
RT: 12.83 min Scan# 3124
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 91 Resp: 2906643

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.3	34.9



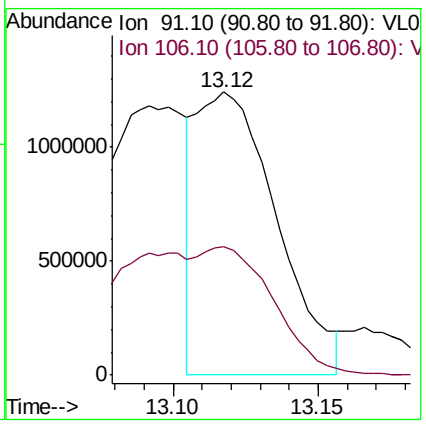


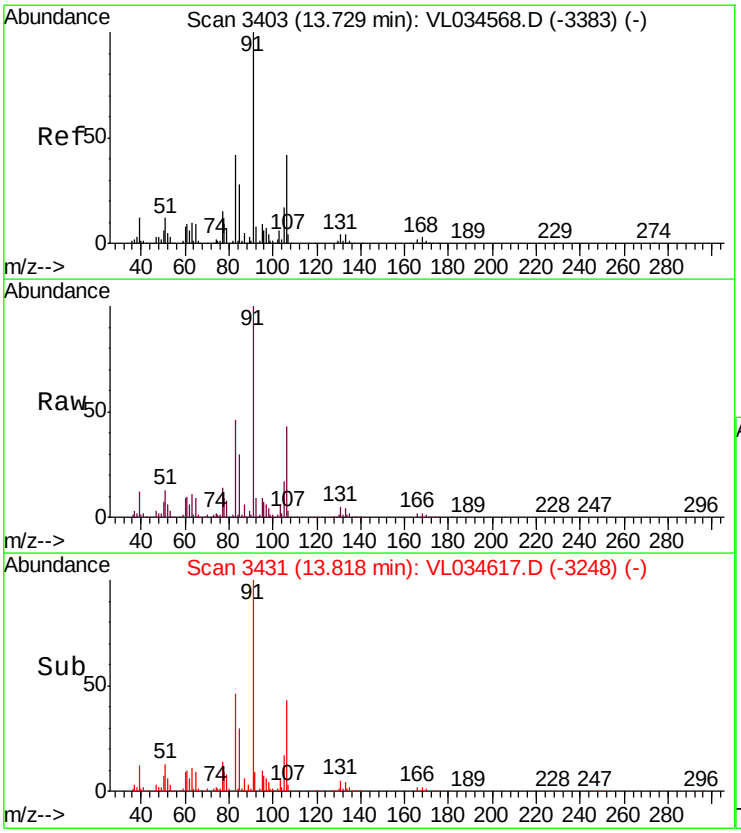
#59
m/p-Xylene
Concen: 9.307 ppbv
RT: 13.12 min Scan# 3213
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2379092

Ion	Ratio	Lower	Upper
91	100		
106	91.8	35.3	52.9#

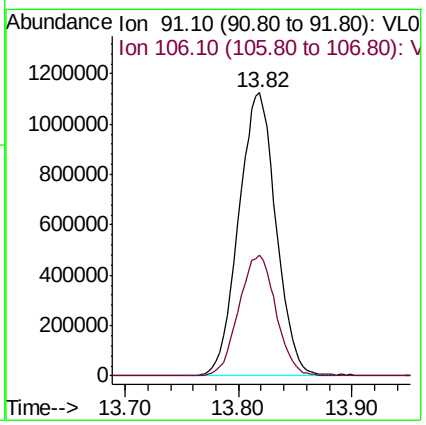


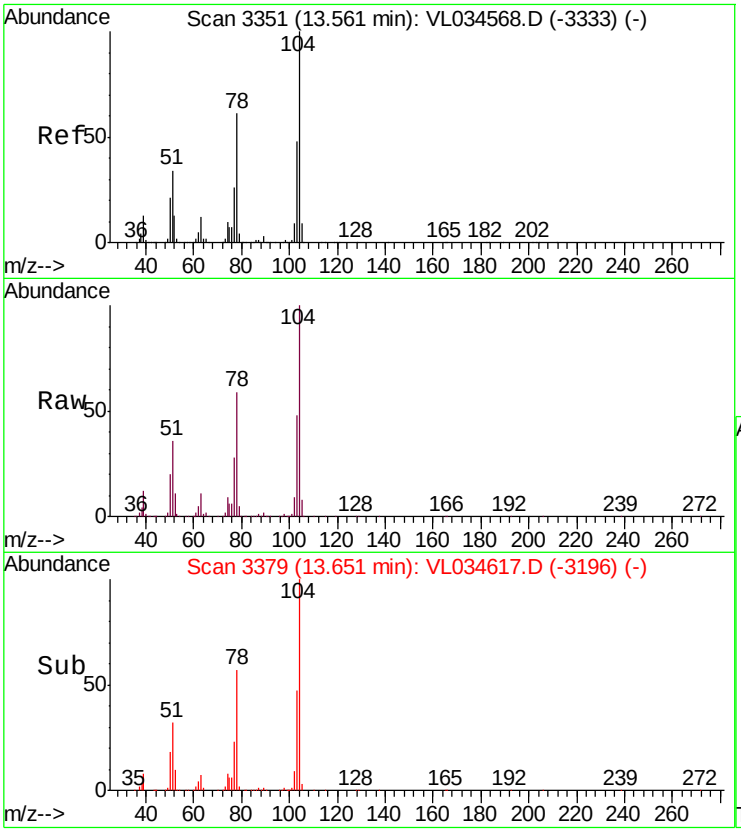


#60
o-Xylene
Concen: 10.038 ppbv
RT: 13.82 min Scan# 3431
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 91 Resp: 2577046

Ion	Ratio	Lower	Upper
91	100		
106	42.6	21.6	65.0



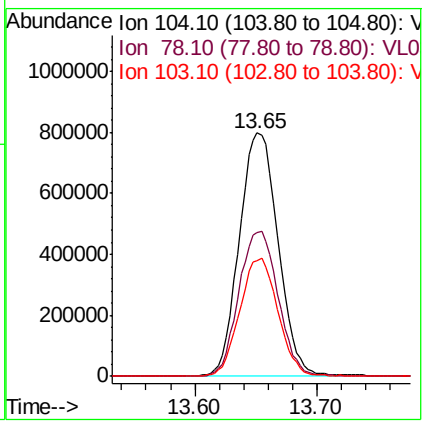


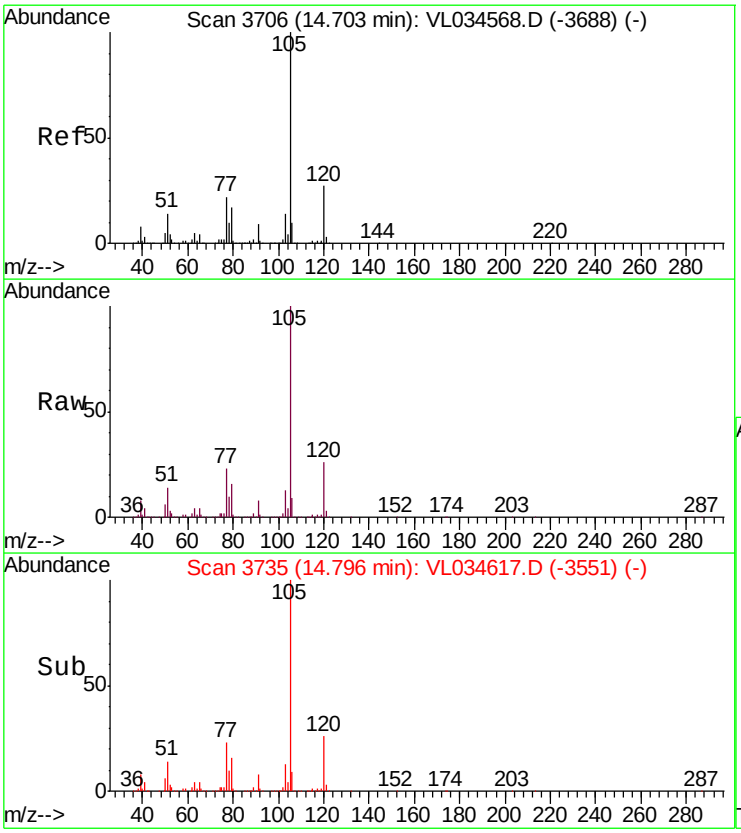
#61
Styrene
Concen: 10.246 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 1753898

Ion	Ratio	Lower	Upper
104	100		
78	60.4	47.0	70.6
103	48.1	38.5	57.7

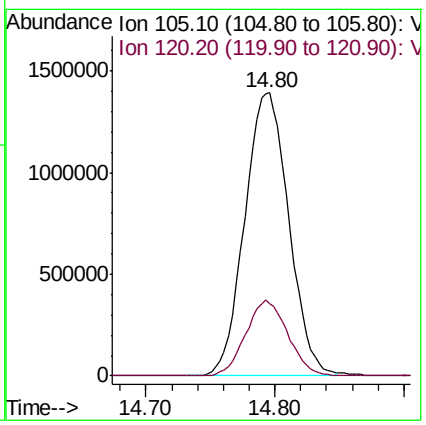


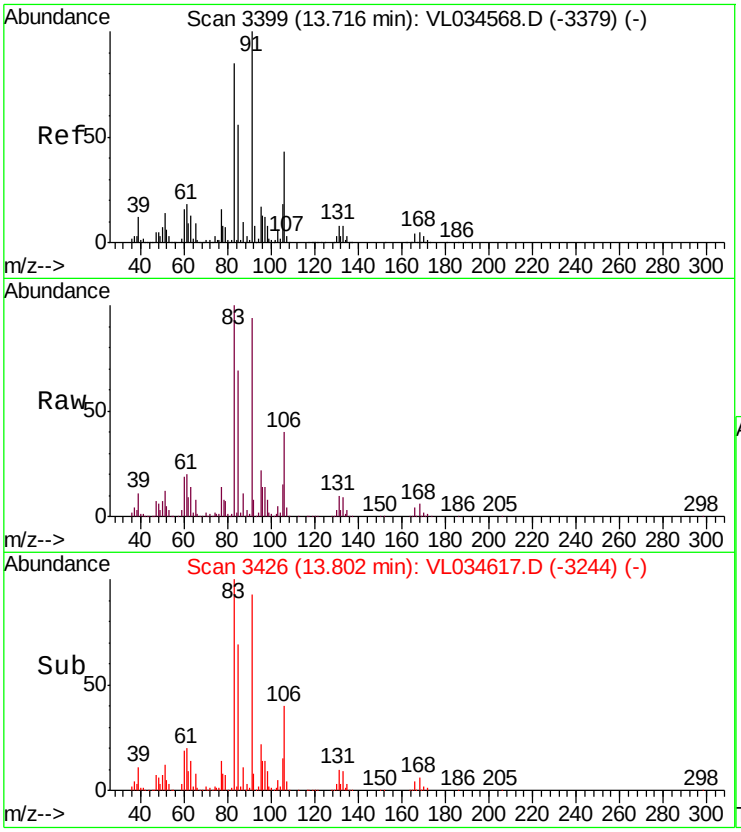


#62
Isopropylbenzene
Concen: 9.939 ppbv
RT: 14.80 min Scan# 3735
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion:105 Resp: 3306357

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.7	31.1



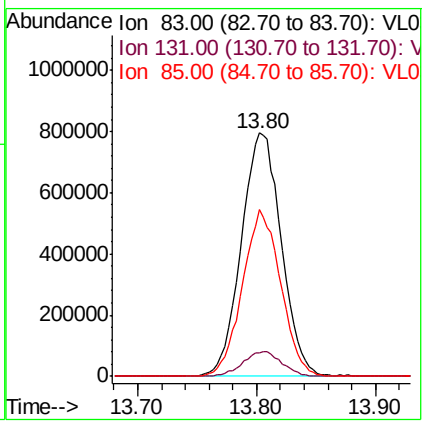


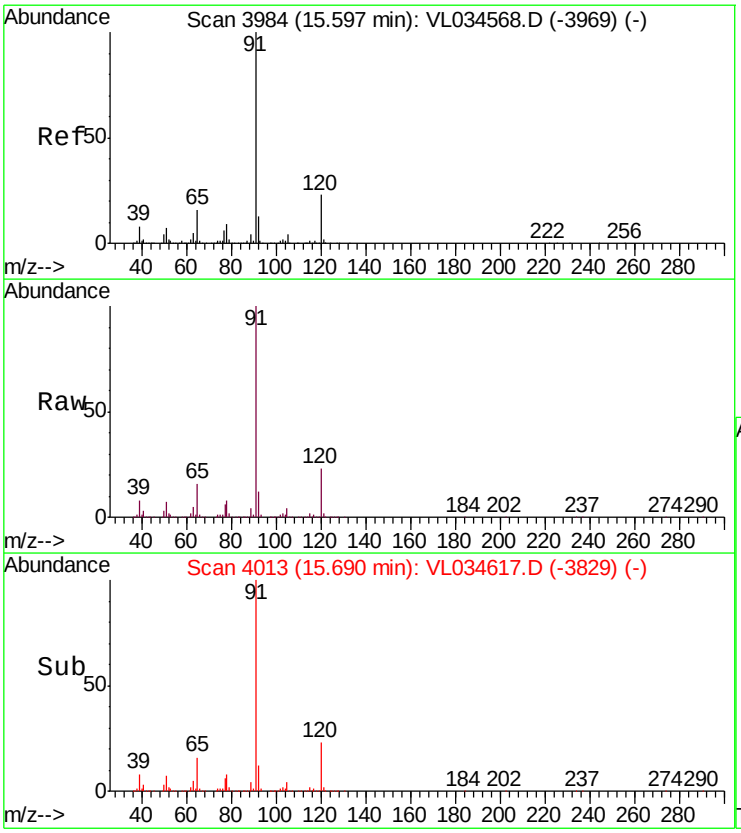
#63
1,1,2,2-Tetrachloroethane
Concen: 9.309 ppbv
RT: 13.80 min Scan# 3426
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1848291

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.6
85	65.6	32.6	98.0

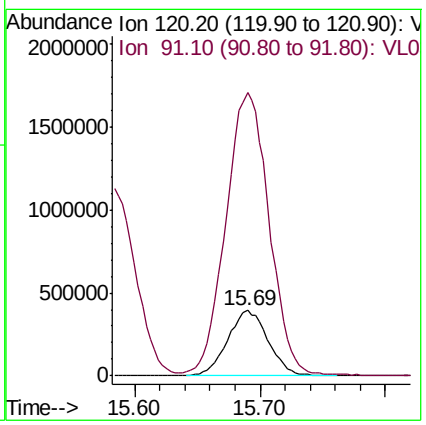


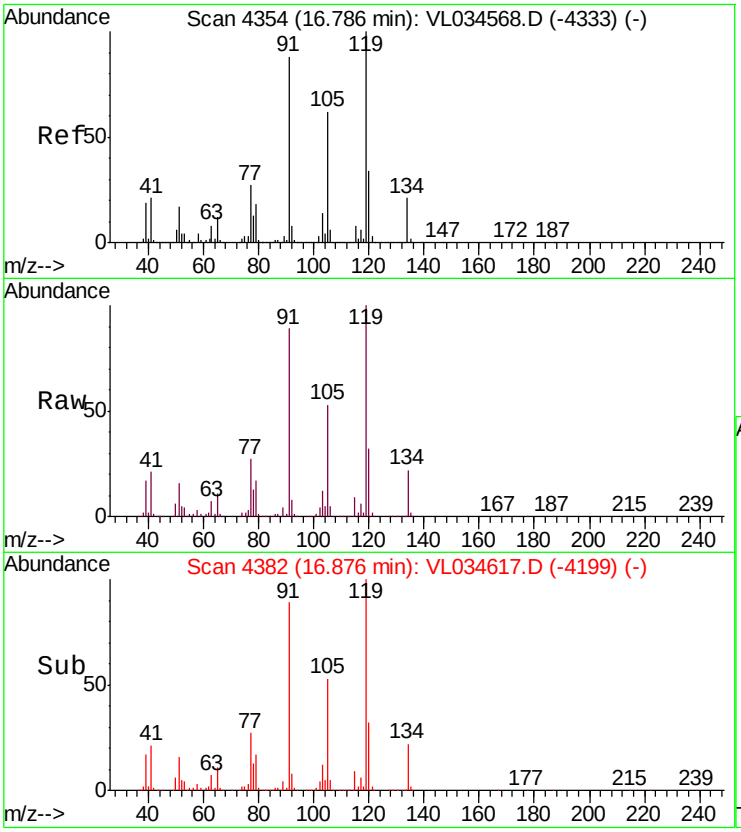


#64
n-propylbenzene
Concen: 10.351 ppbv
RT: 15.69 min Scan# 4013
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion:120 Resp: 885891

Ion	Ratio	Lower	Upper
120	100		
91	464.0	365.3	547.9



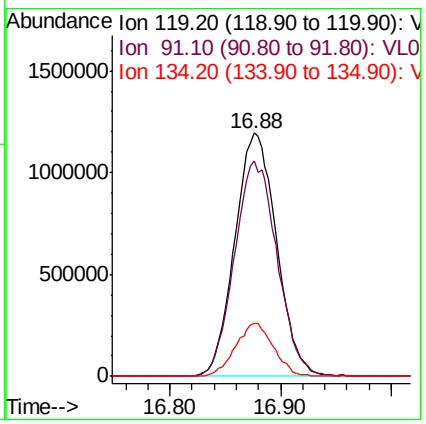


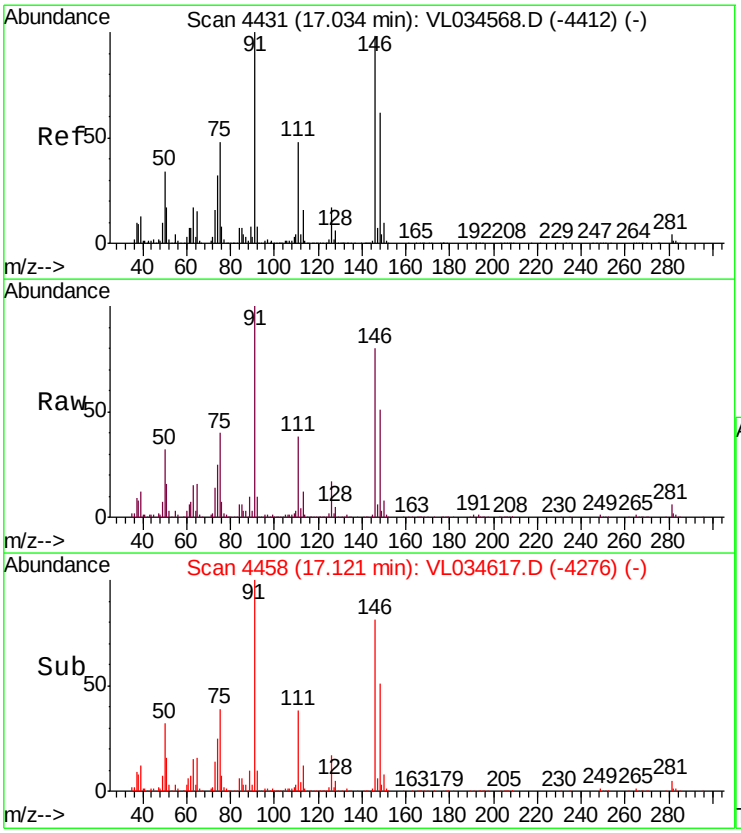
#65
tert-Butylbenzene
Concen: 10.375 ppbv
RT: 16.88 min Scan# 4382
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 3126917

Ion	Ratio	Lower	Upper
119	100		
91	91.1	72.2	108.4
134	20.0	15.9	23.9

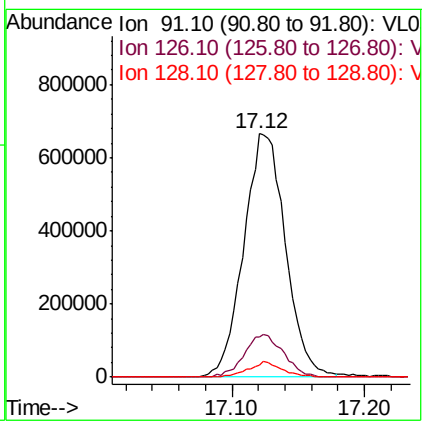


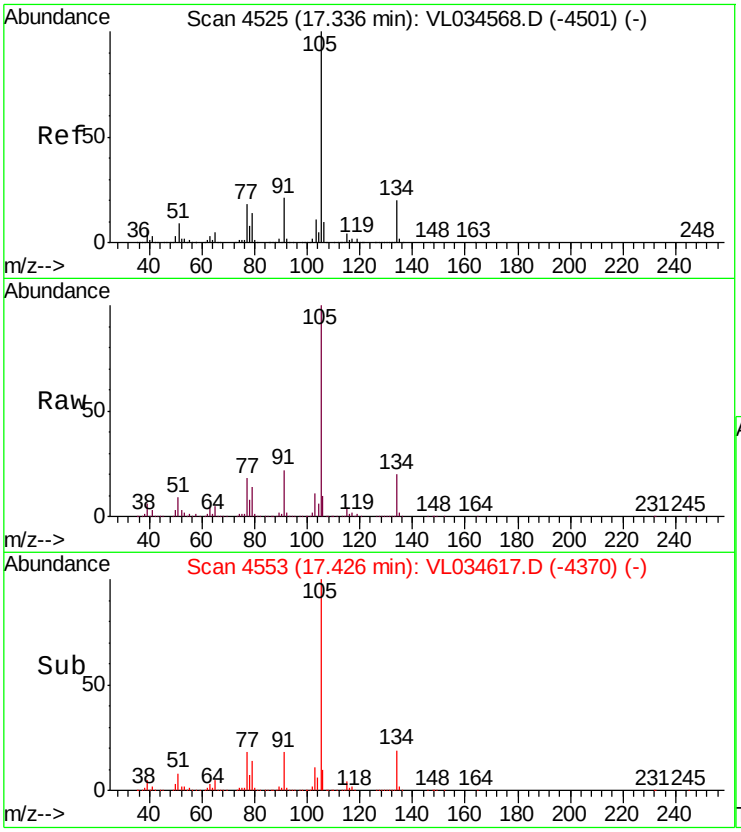


#66
Benzyl Chloride
Concen: 11.575 ppbv
RT: 17.12 min Scan# 4458
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 91 Resp: 1462867

Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.4	20.0
128	5.2	4.3	6.5



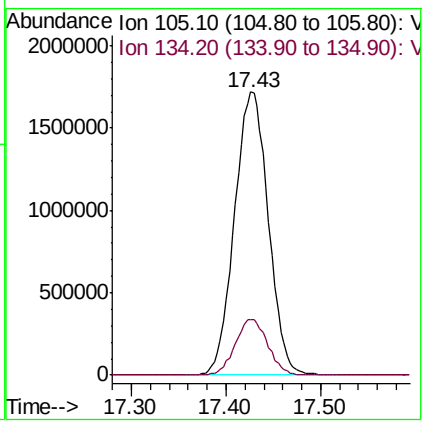


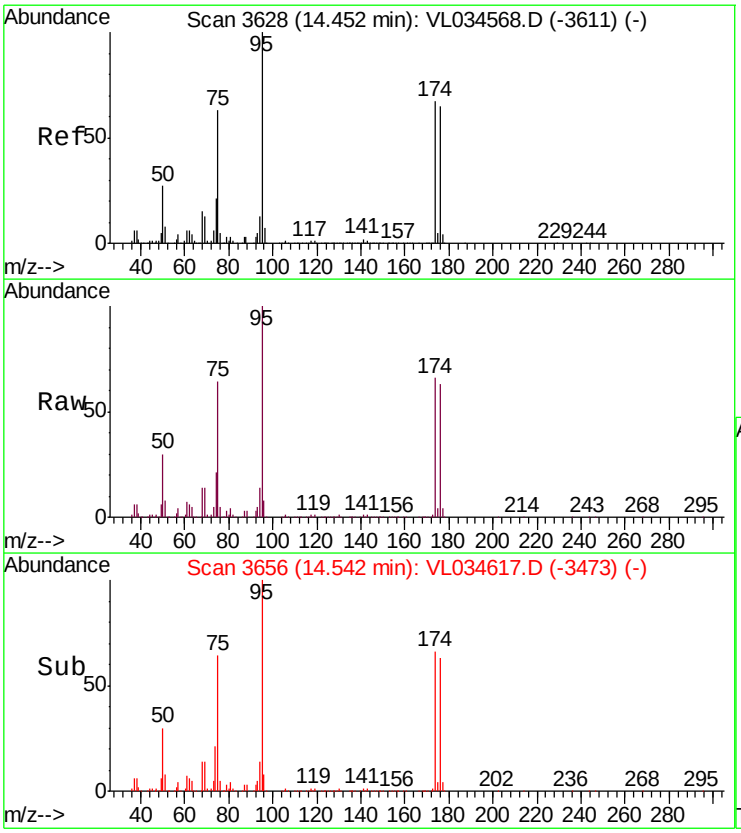
#67
sec-Butylbenzene
Concen: 10.314 ppbv
RT: 17.43 min Scan# 4553
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 4272257

Ion	Ratio	Lower	Upper
105	100		
134	19.0	15.5	23.3

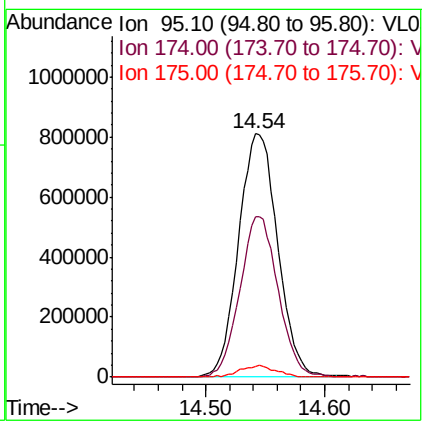


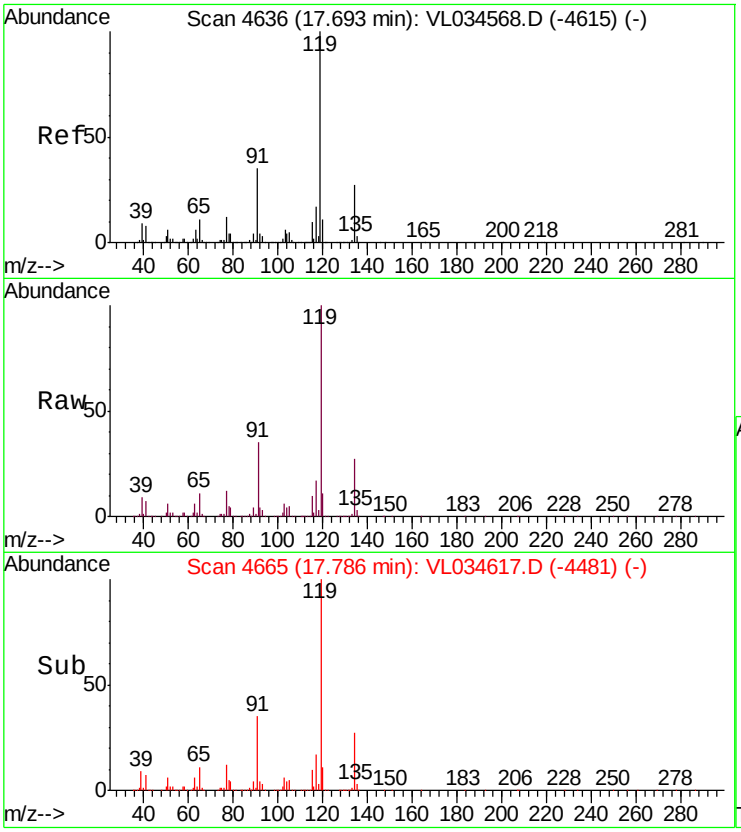


#68
1-Bromo-4-Fluorobenzene
Concen: 10.097 ppbv
RT: 14.54 min Scan# 3656
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 95 Resp: 1844030

Ion	Ratio	Lower	Upper
95	100		
174	65.0	52.3	78.5
175	4.6	3.8	5.6



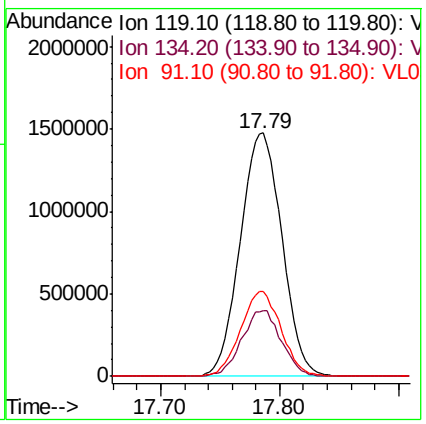


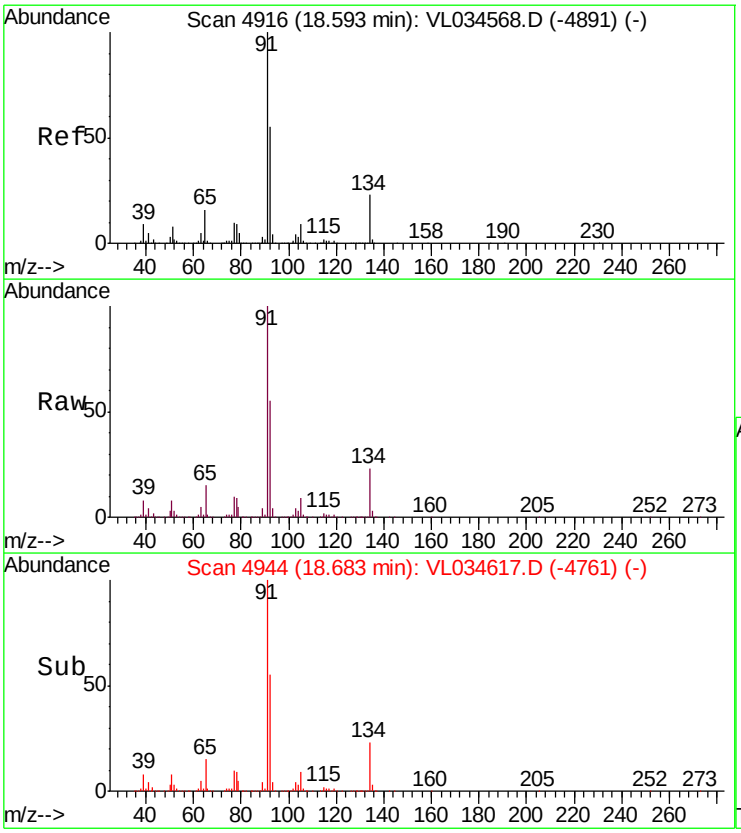
#69
p-Isopropyltoluene
Concen: 10.632 ppbv
RT: 17.79 min Scan# 4665
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 3575833

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.7	31.1
91	33.9	26.9	40.3

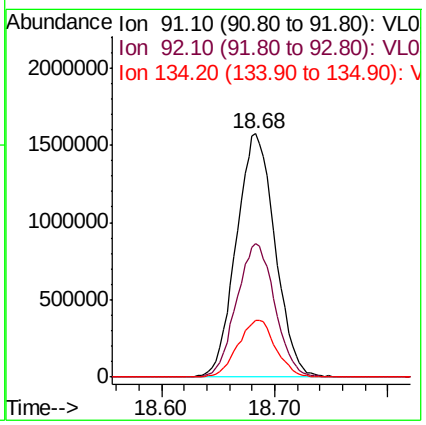


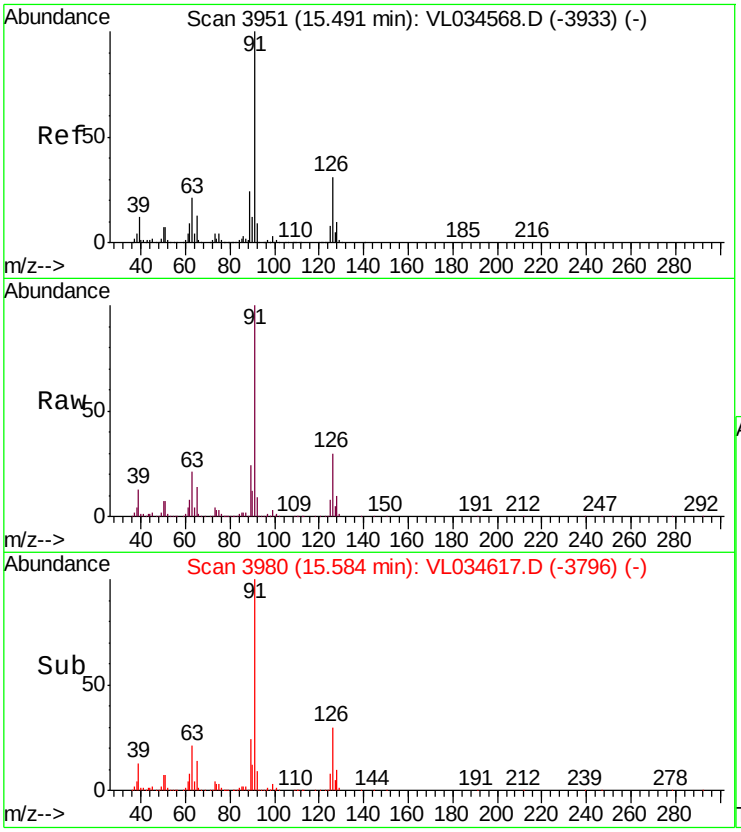


#70
n-Butylbenzene
Concen: 10.453 ppbv
RT: 18.68 min Scan# 4944
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 91 Resp: 3731714

Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.6	65.4
134	22.7	18.2	27.4



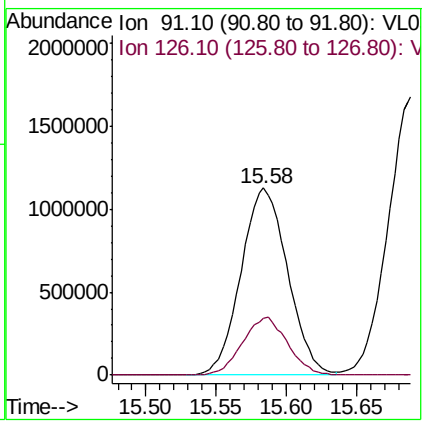


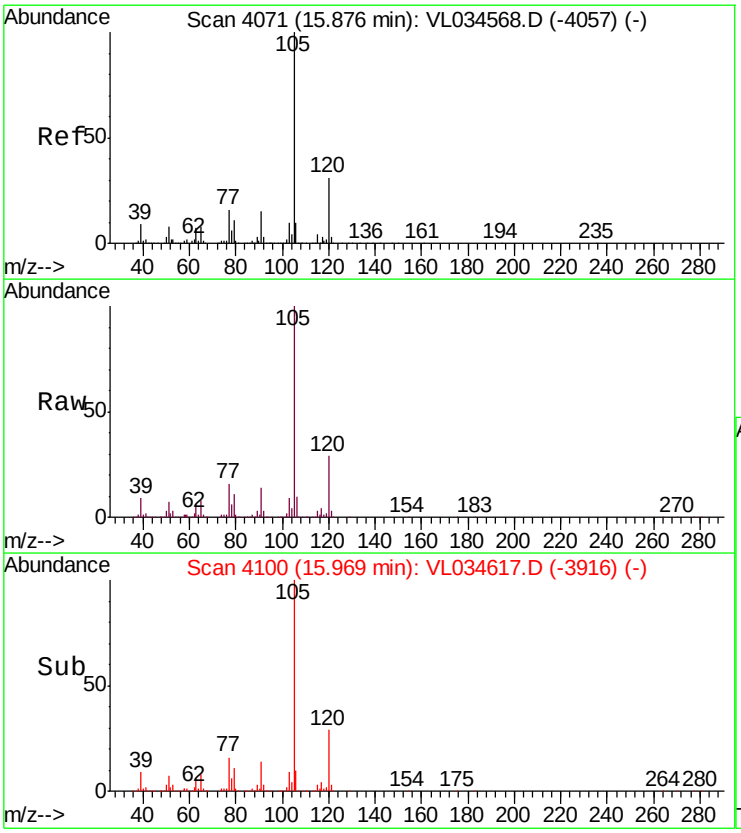
#71
2-Chlorotoluene
Concen: 10.293 ppbv
RT: 15.58 min Scan# 3980
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2599123

Ion	Ratio	Lower	Upper
91	100		
126	30.1	12.0	47.8

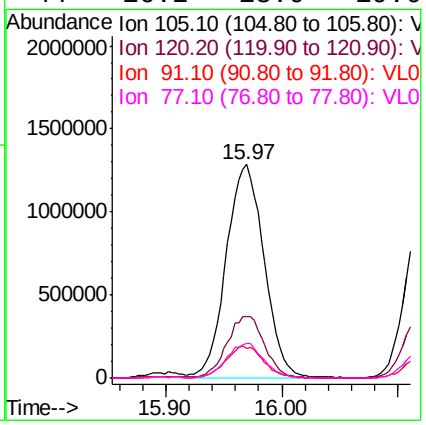


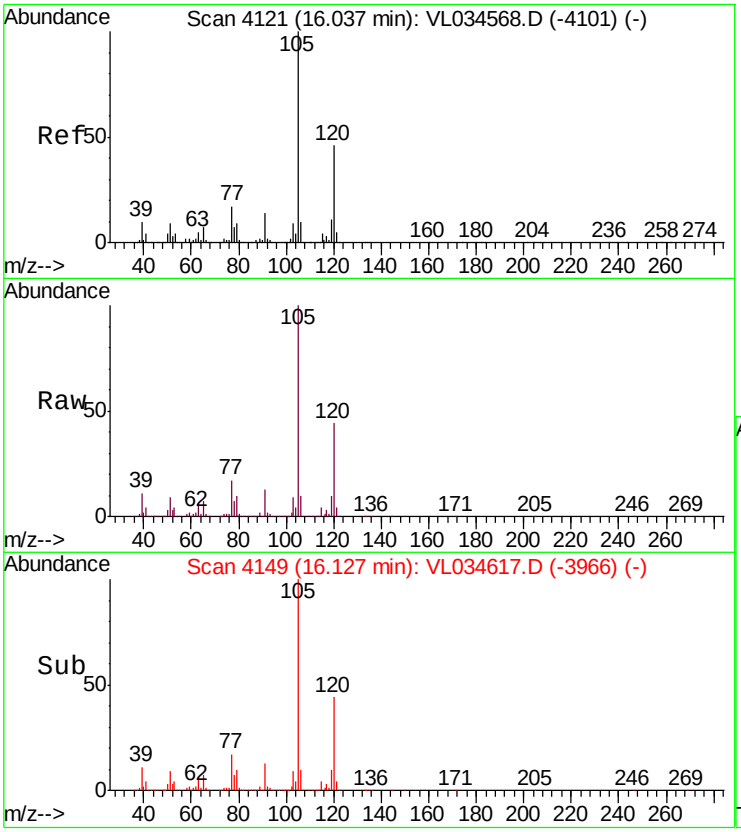


#72
4-Ethyltoluene
Concen: 10.262 ppbv
RT: 15.97 min Scan# 4100
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion:105 Resp: 2893877

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.8	35.6
91	14.8	11.8	17.8
77	16.2	13.0	19.6



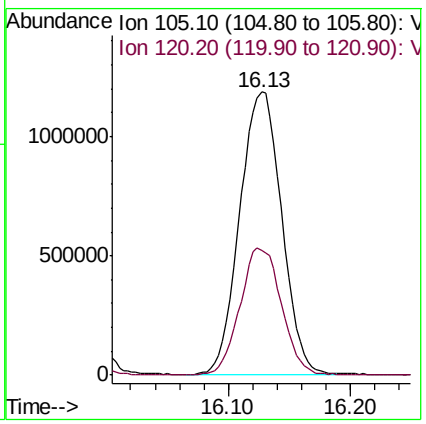


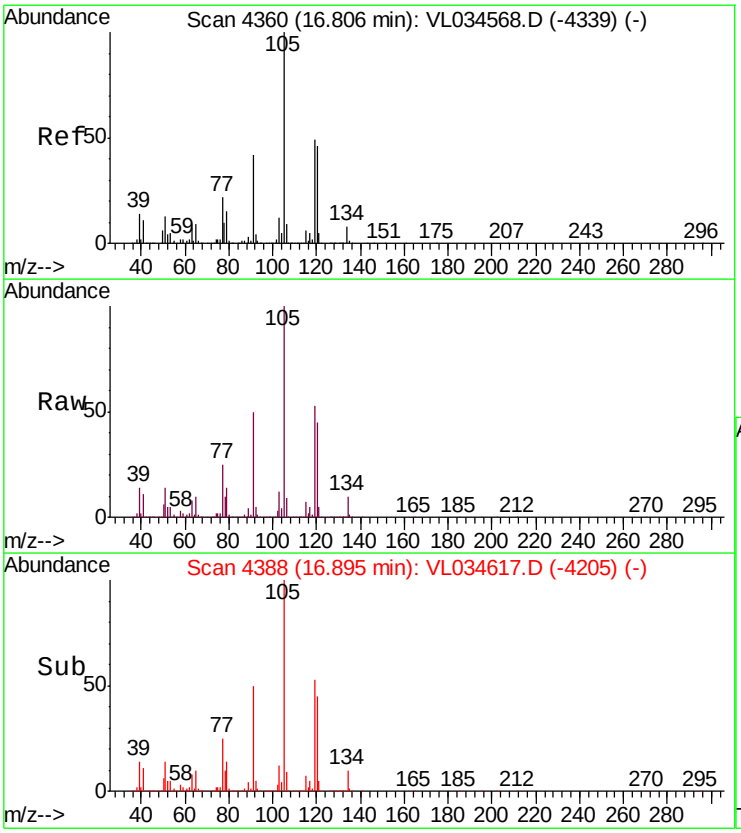
#73
1,3,5-Trimethylbenzene
Concen: 10.201 ppbv
RT: 16.13 min Scan# 4149
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 2810876

Ion	Ratio	Lower	Upper
105	100		
120	44.1	37.0	55.6





#74
1,2,4-Trimethylbenzene
Concen: 9.875 ppbv
RT: 16.90 min Scan# 4388
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion:105 Resp: 3012330

Ion	Ratio	Lower	Upper
105	100		
120	44.9	37.1	55.7
91	49.3	34.3	51.5
77	24.6	17.5	26.3