Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100219\

Quantitation Report (Not Reviewed)

Data File : VL034221.D
Acq On : 2 Oct 2019 21:46
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Oct 03 05:45:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	857022	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1638935	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2145503	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1462421	7.84	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 78.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1569391	12.397	ppbv	98
3) Chlorodifluoromethane	2.97	51	1018888	10.140	ppbv	99
4) Chloromethane	3.12	50	620804	10.513	ppbv	95
5) Vinyl Chloride	3.24	62	566885	10.505	ppbv	95
6) Bromomethane	3.46	94	288170	11.445	ppbv	98
7) Chloroethane	3.55	64	207114	10.980	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1207562	10.808	ppbv	100
9) Propene	2.99	41	548665	11.067	ppbv	98
10) Heptane	8.17	43	1407864	10.896	ppbv	99
11) Trichlorofluoromethane	3.95	101	1265894	10.986	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	870348	11.541	ppbv	99
13) Ethanol	3.60	45	100235	8.349	ppbv	97
14) Bromoethene	3.73	108	368935	11.966	ppbv	98
15) Acetone	3.84	43	1050610	9.147	ppbv	100
16) 1,3-Butadiene	3.31	39	554959	11.071	ppbv	100
17) tert-Butyl alcohol	4.30	59	776512	10.669	ppbv	99
18) 1,1-Dichloroethene	4.29	96	395261	12.017	ppbv	92
19) Isopropyl Alcohol	3.97	45	672001	9.514	ppbv	100
20) Methylene Chloride	4.35	84	355480	10.734	ppbv	95
21) Allyl Chloride	4.42	41	749763	11.556	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	403376	12.258	ppbv	98
23) Vinyl Acetate	5.09	43	1826215	10.789	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1204356	10.567	ppbv	99
25) Ethyl Acetate	5.70	43	2284971	10.520	ppbv	99
26) Hexane	5.71	57	973951	10.779	ppbv	99
27) Carbon Disulfide	4.56	76	1040471	12.486	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1548168	11.537	ppbv	98
29) Chloroform	5.78	83	1407745	10.903	ppbv	97
30) Cyclohexane	7.18	84	756656	11.599	ppbv	97
31) cis-1,2-Dichloroethene	5.57	61	1027365	11.154	ppbv	98
32) 1,1,1-Trichloroethane	6.55	97	1328573	10.670	ppbv	98
34) 2-Butanone	5.27	43	1569742	9.380	ppbv	98
35) Carbon Tetrachloride	7.06	117	1278553	9.390	ppbv	100
36) Benzene	6.93	78	1849991	10.220	ppbv	98
37) 1,2-Dichloroethane	6.34	62	1181079	9.174	ppbv	98
38) Trichloroethene	7.89	130	614545	9.502	ppbv	96
39) 1,2-Dichloropropane	7.66	63	791417	9.731	ppbv	94
40) 1,4-Dioxane	7.88	88	262028	9.956	ppbv #	85
41) Tetrahydrofuran	6.08	42	953859	10.120	ppbv	98
42) Bromodichloromethane	7.84	83	1555863	10.070	ppbv	98
43) Methyl Methacrylate	8.06	69	789571	10.559	ppbv	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100219\

Quantitation Report (Not Reviewed)

Data File : VL034221.D
Acq On : 2 Oct 2019 21:46
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Oct 03 05:45:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3347136	9.605	ppbv		98
45) t-1,3-Dichloropropene	9.34	75	1017586	11.509	ppbv		94
46) cis-1,3-Dichloropropene	8.76	75	1158552	10.893	ppbv		92
47) 1,1,2-Trichloroethane	9.54	97	729931	9.995	ppbv		98
48) Dibromochloromethane	10.37	129	1163254	10.050	ppbv		99
49) Bromoform	13.12	173	999355	10.669	ppbv		99
50) 4-Methyl-2-Pentanone	8.79	43	2323981	9.542	ppbv		99
51) 2-Hexanone	10.19	43	1943065	9.507	ppbv	#	97
52) Tetrachloroethene	11.29	164	575763	9.628	ppbv		96
53) Toluene	9.87	91	2062587	10.426	ppbv		99
54) 1,2-Dibromoethane	10.68	107	1077146	9.918	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.20	131	769627	8.044	ppbv		99
57) Chlorobenzene	12.22	112	1422817	7.617	ppbv		98
58) Ethyl Benzene	12.78	91	2785558	8.046	ppbv		99
59) m/p-Xylene	13.07	91	2386956	8.325	ppbv	#	43
60) o-Xylene	13.77	91	2224425	7.758	ppbv		99
61) Styrene	13.60	104	1677226	8.167	ppbv		98
62) Isopropylbenzene	14.74	105	2886817	7.778	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.75	83	1619528	6.888	ppbv		99
64) n-propylbenzene	15.64	120	729803	7.772	ppbv		89
65) tert-Butylbenzene	16.83	119	2445026	7.539	ppbv		98
66) Benzyl Chloride	17.08	91	1142871	9.961	ppbv		100
67) sec-Butylbenzene	17.37	105	3522764	7.596	ppbv		99
69) p-Isopropyltoluene	17.73	119	2875401	7.657	ppbv		98
70) n-Butylbenzene	18.64	91	3263420	7.463	ppbv		98
71) 2-Chlorotoluene	15.53	91	2337632	7.708	ppbv		99
72) 4-Ethyltoluene	15.92	105	2547843	7.865	ppbv		99
73) 1,3,5-Trimethylbenzene	16.08	105	2426310	7.753	ppbv		98
74) 1,2,4-Trimethylbenzene	16.84	105	2443159	7.353	ppbv		97
75) 1,3-Dichlorobenzene	17.09	146	1313040	7.365	ppbv		98
76) 1,4-Dichlorobenzene	17.23	146	1341619	7.348	ppbv		100
77) 1,2-Dichlorobenzene	17.91	146	1310321	7.262	ppbv		99
78) Hexachloro-1,3-Butadiene	23.46	225	629660	5.268	ppbv	#	48
79) Naphthalene	22.31	128	2209720	7.554	ppbv		97
80) Naphthalene,2-methyl-	25.05	142	915828	6.732	ppbv		98
81) 1,2,4-Trichlorobenzene	22.04	180	1220952	7.535	ppbv		99

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

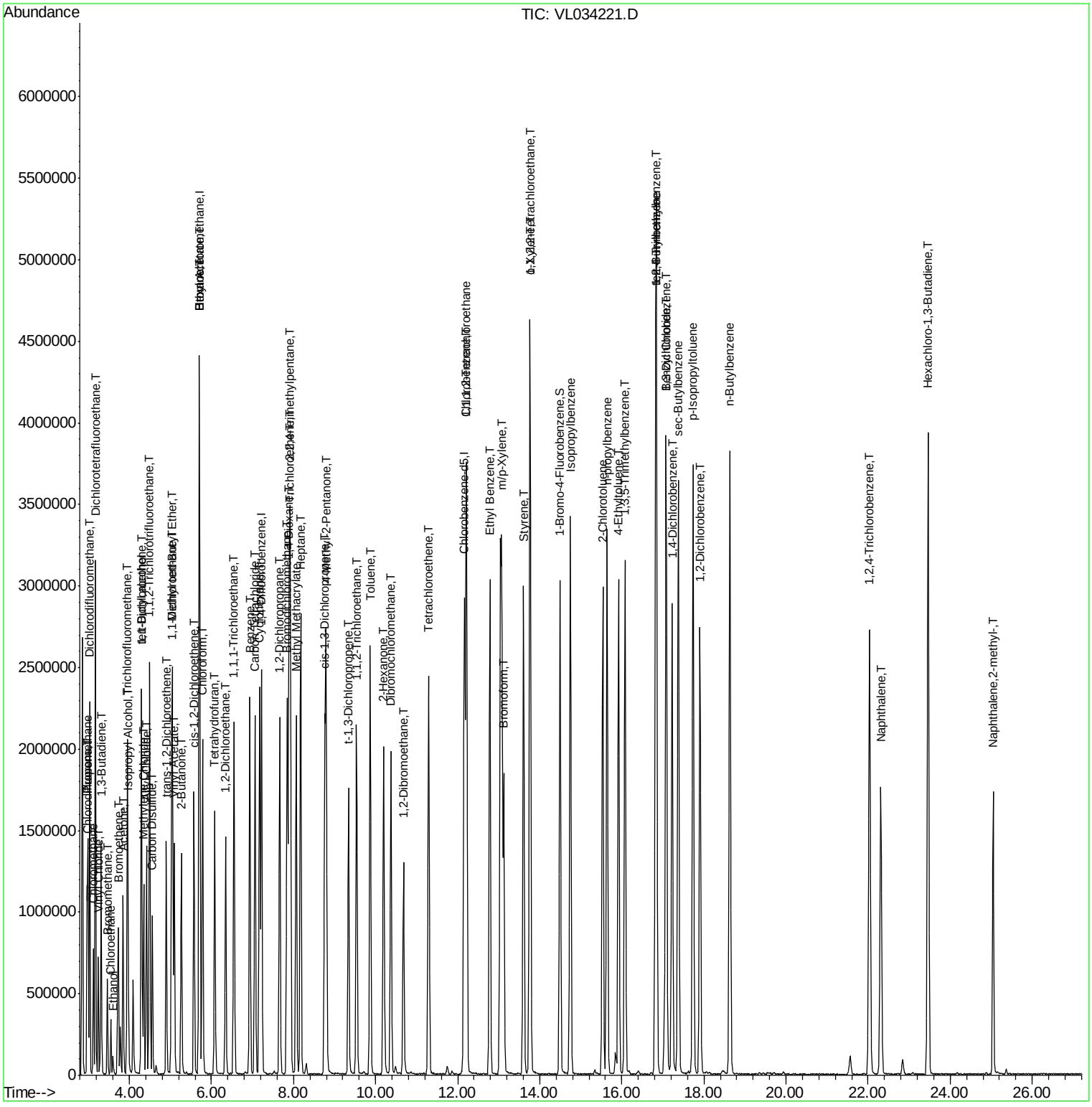
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100219\

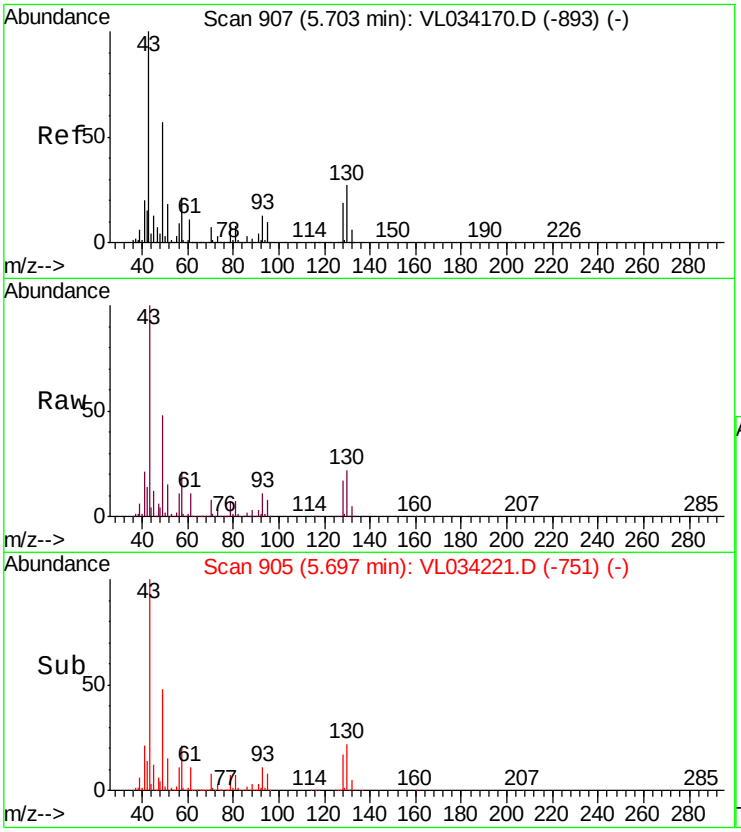
Quantitation Report (Not Reviewed)

Data File : VL034221.D
Acq On : 2 Oct 2019 21:46
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Oct 03 05:45:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration



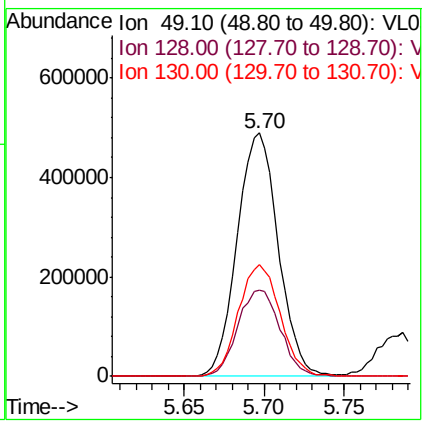


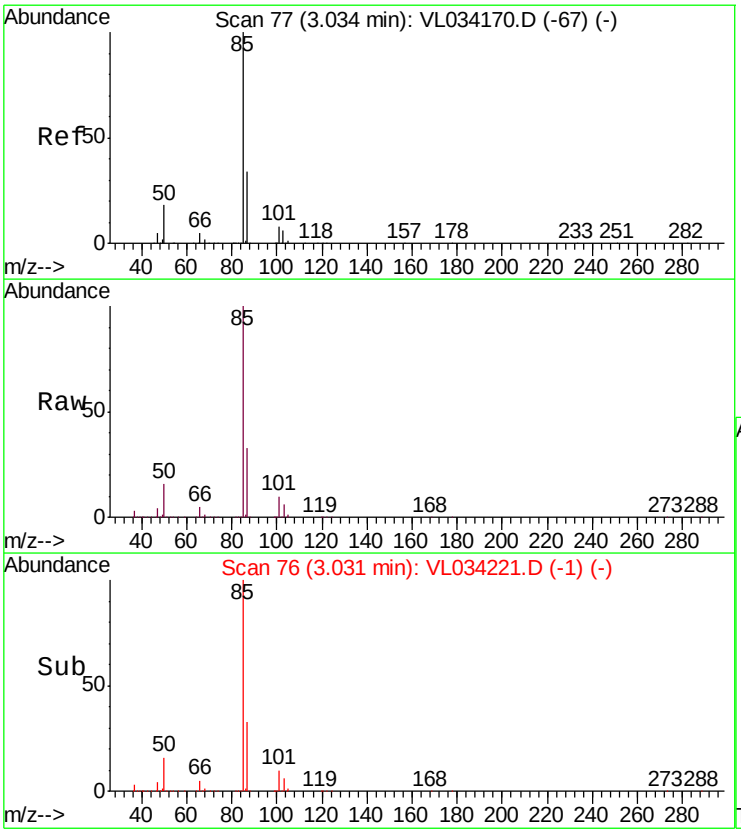
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 857022

Ion	Ratio	Lower	Upper
49	100		
128	36.7	17.6	52.9
130	46.7	22.3	66.9

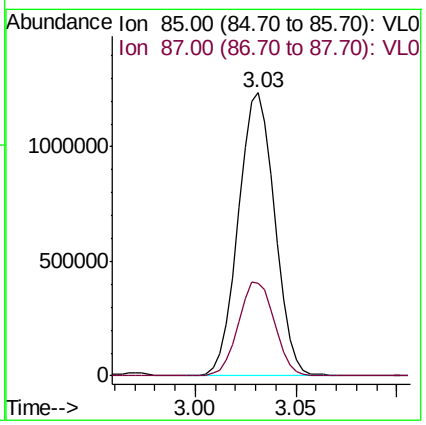


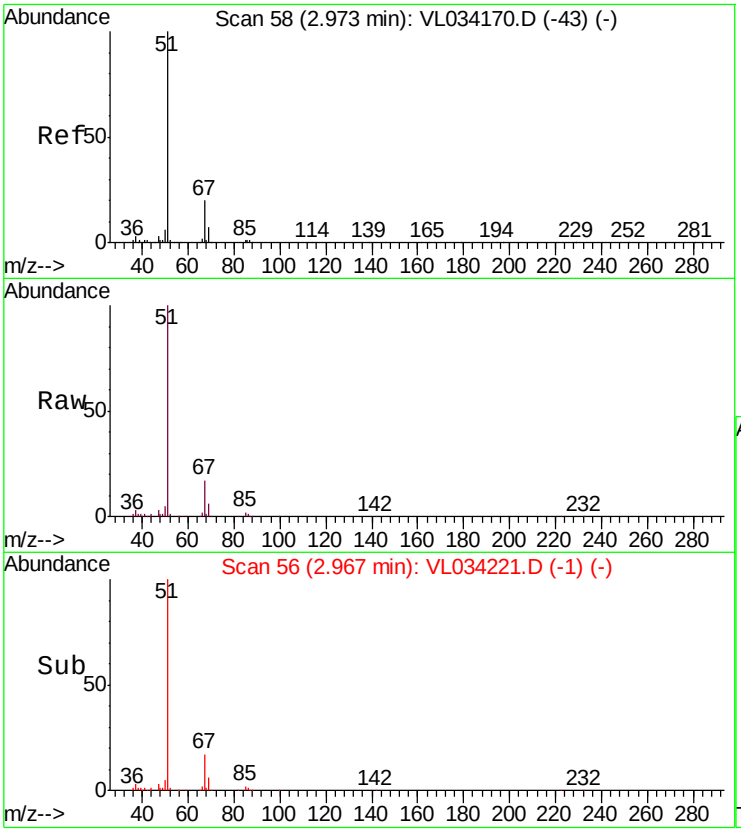


#2
Dichlorodifluoromethane
Concen: 12.397 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.00 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 85 Resp: 1569391

Ion	Ratio	Lower	Upper
85	100		
87	32.9	27.2	40.8



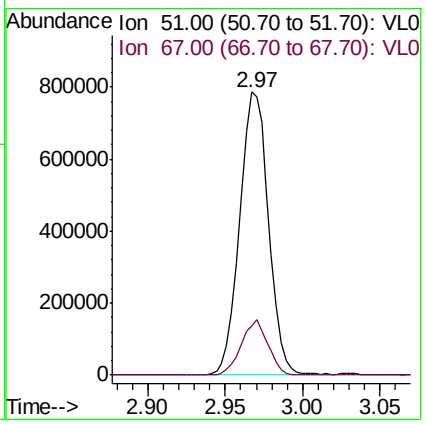


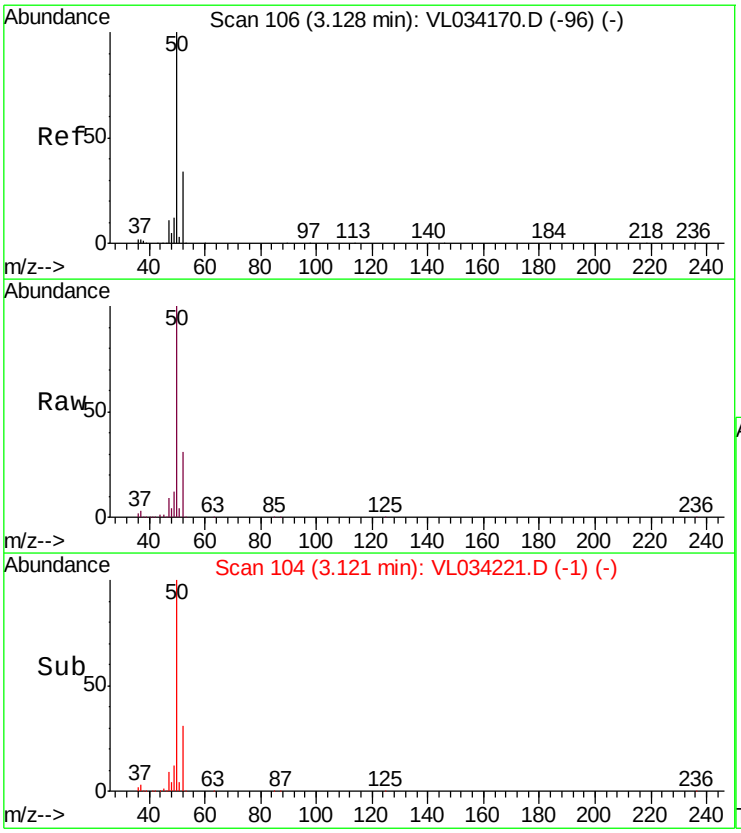
#3
Chlorodifluoromethane
Concen: 10.140 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 1018888

Ion	Ratio	Lower	Upper
51	100		
67	18.0	14.8	22.2

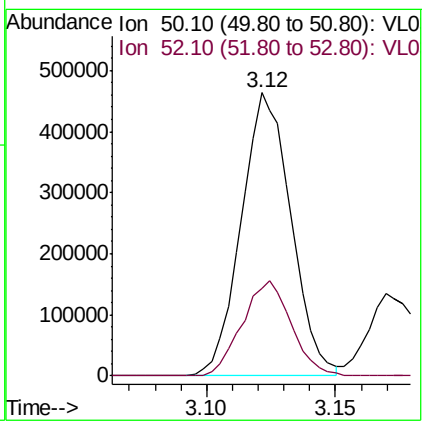


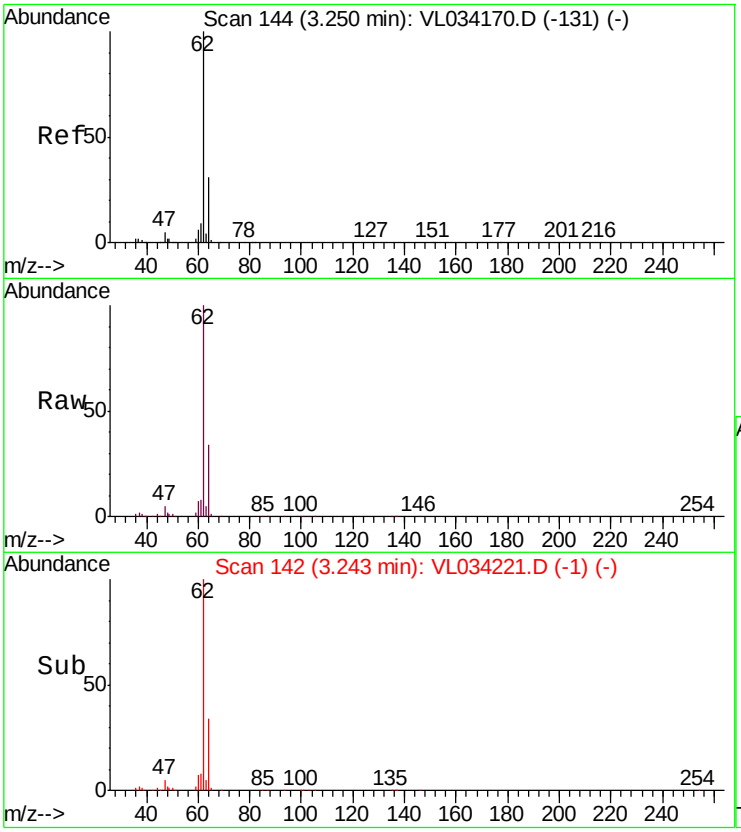


#4
Chloromethane
Concen: 10.513 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 50 Resp: 620804

Ion	Ratio	Lower	Upper
50	100		
52	31.0	27.1	40.7



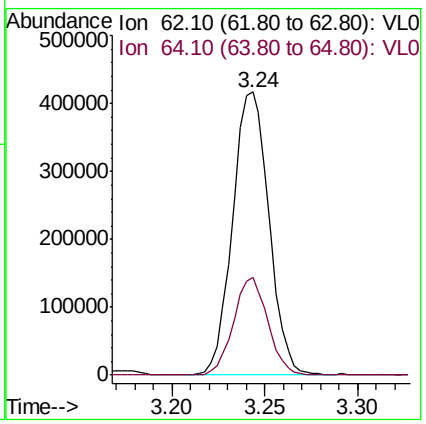


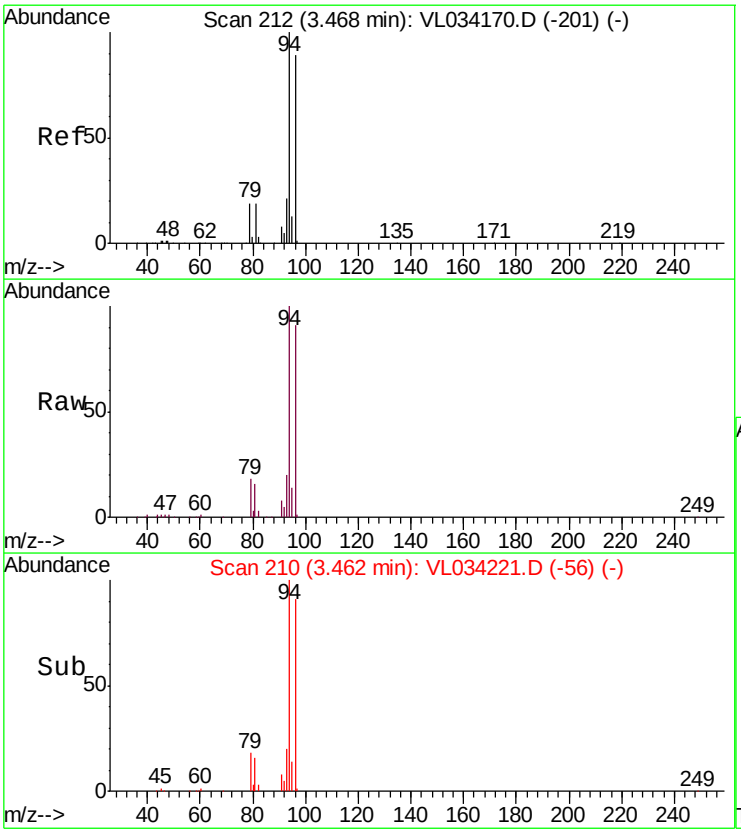
#5
Vinyl Chloride
Concen: 10.505 ppbv
RT: 3.24 min Scan# 142
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 566885

Ion	Ratio	Lower	Upper
62	100		
64	34.5	25.2	37.8

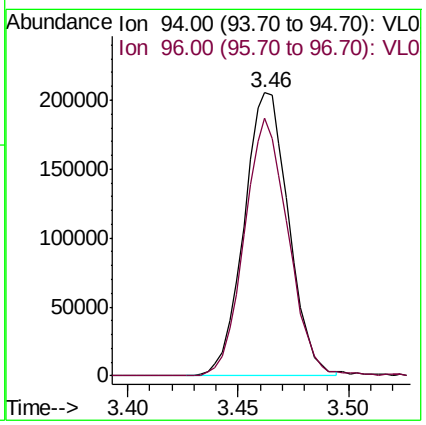


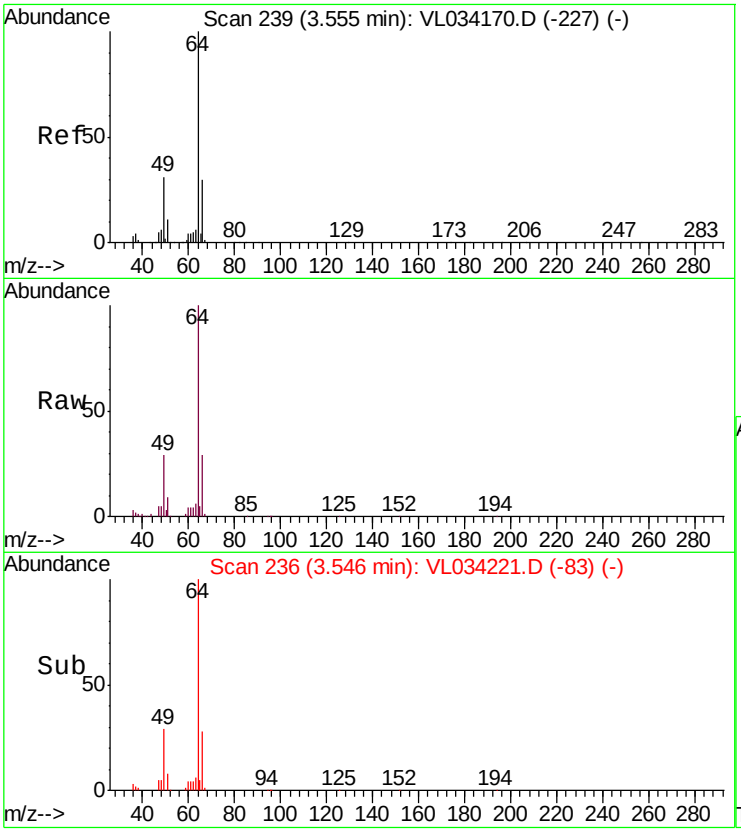


#6
Bromomethane
Concen: 11.445 ppbv
RT: 3.46 min Scan# 210
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 94 Resp: 288170

Ion	Ratio	Lower	Upper
94	100		
96	91.2	71.3	106.9



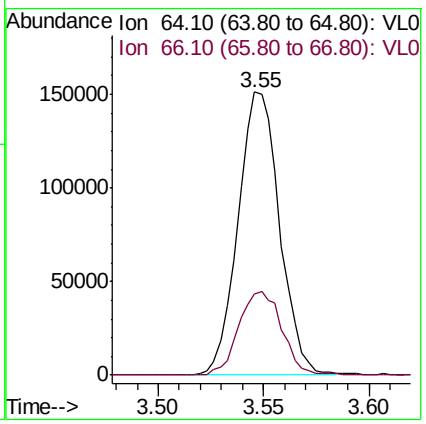


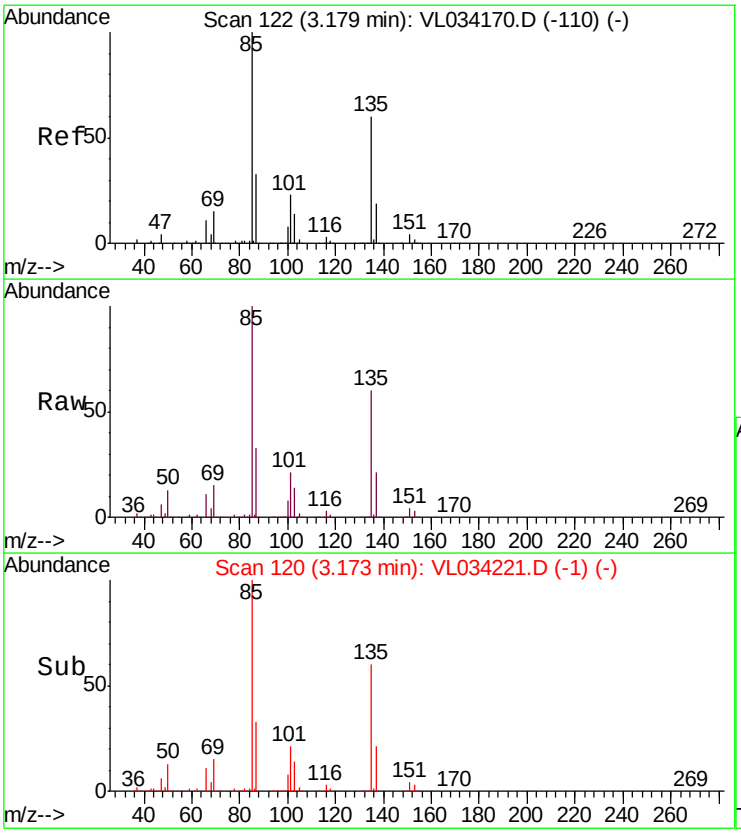
#7
Chloroethane
Concen: 10.980 ppbv
RT: 3.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 207114

Ion	Ratio	Lower	Upper
64	100		
66	28.8	24.2	36.4

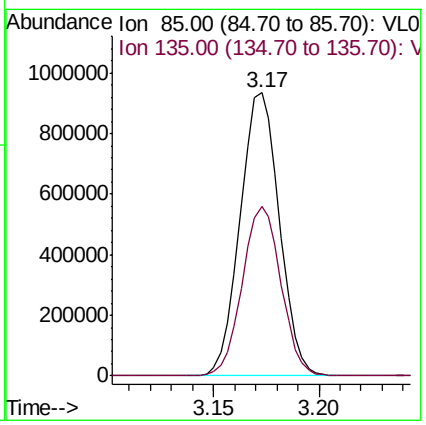


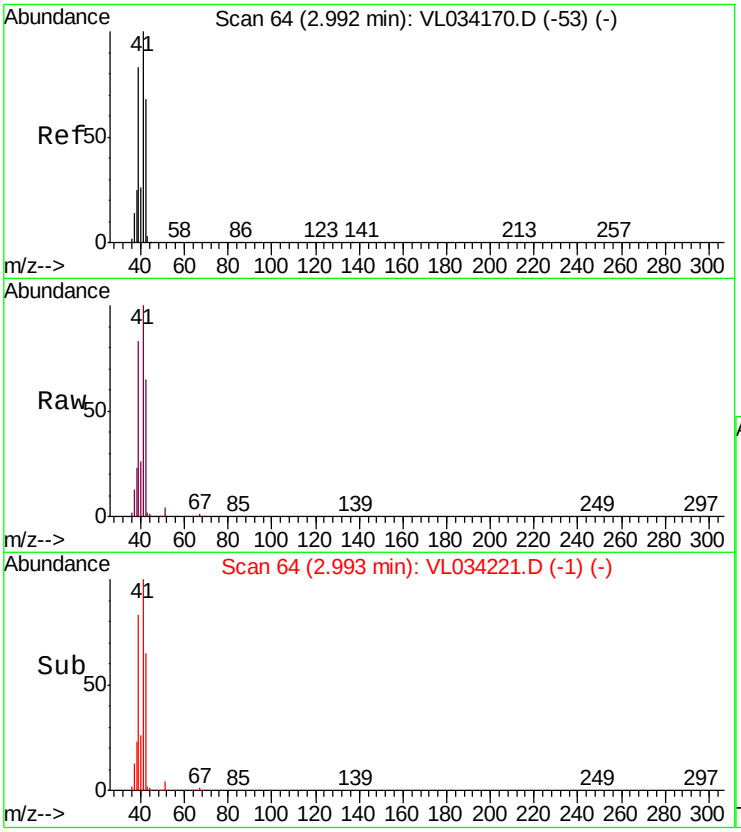


#8
Dichlorotetrafluoroethane
Concen: 10.808 ppbv
RT: 3.17 min Scan# 120
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 85 Resp: 1207562

Ion	Ratio	Lower	Upper
85	100		
135	59.3	47.3	70.9



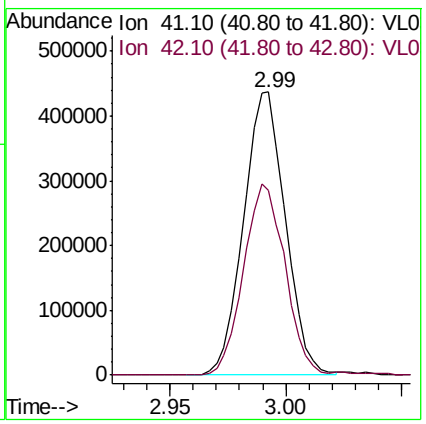


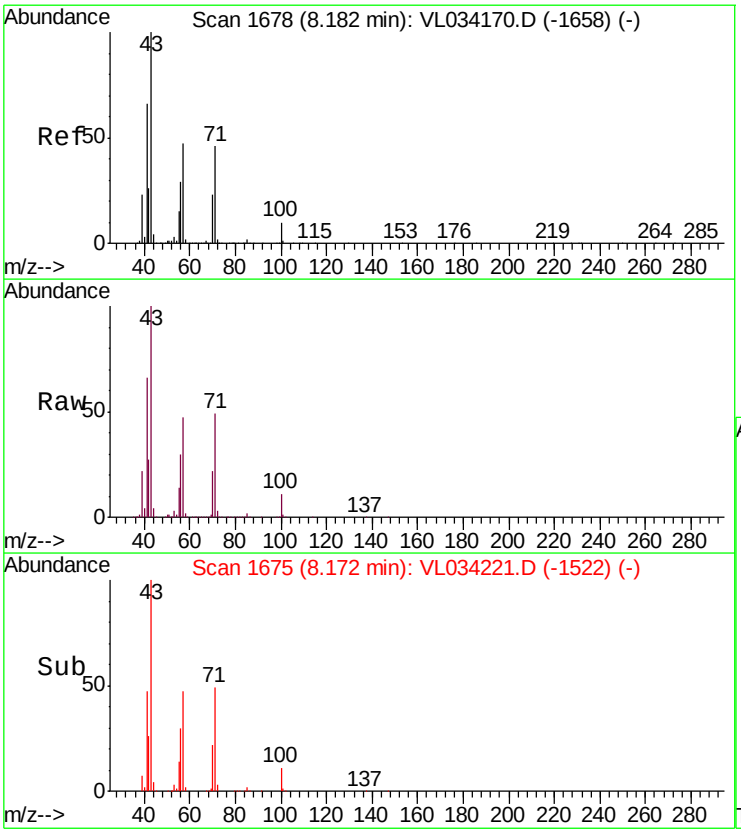
#9
Propene
Concen: 11.067 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.00 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 548665

Ion	Ratio	Lower	Upper
41	100		
42	68.0	55.8	83.6

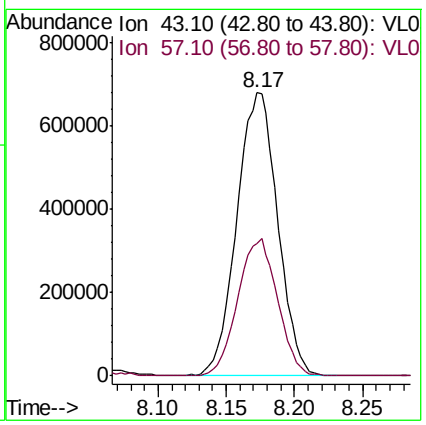


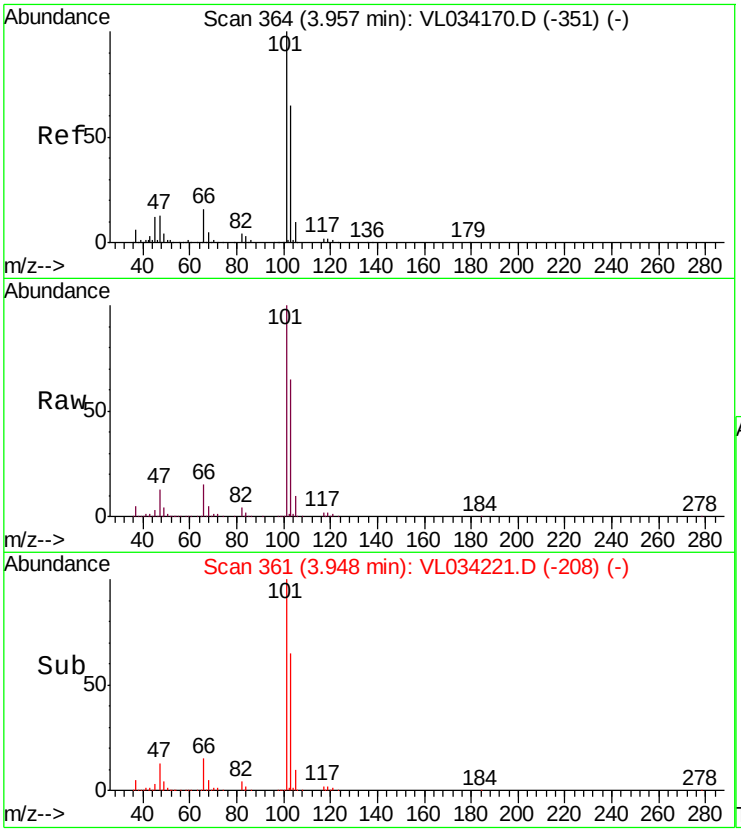


#10
Heptane
Concen: 10.896 ppbv
RT: 8.17 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 43 Resp: 1407864

Ion	Ratio	Lower	Upper
43	100		
57	47.2	37.5	56.3



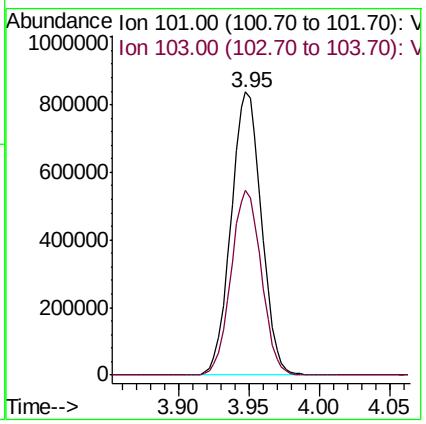


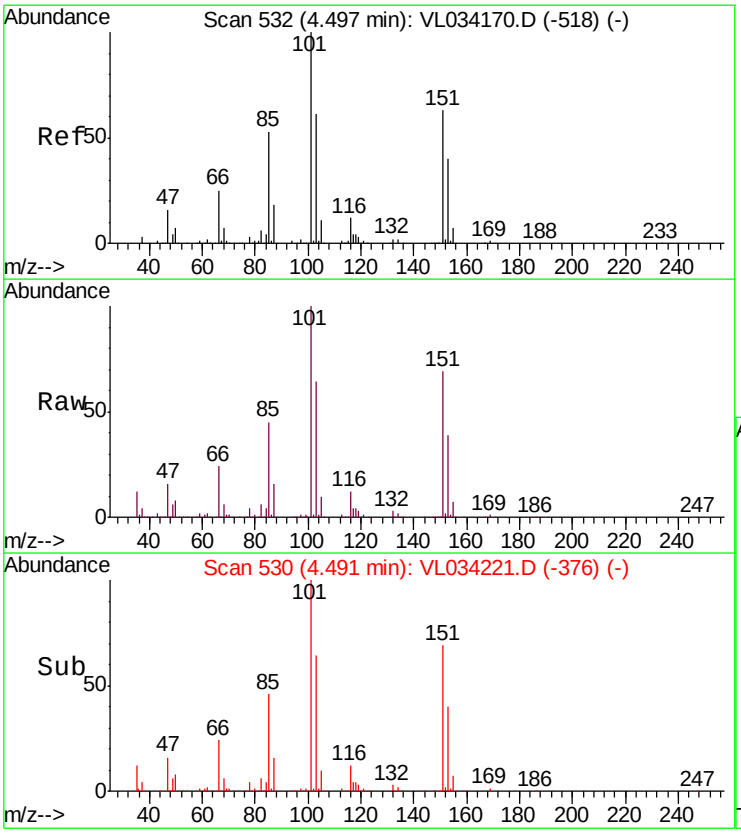
#11
Trichlorofluoromethane
Concen: 10.986 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1265894

Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.1	78.1

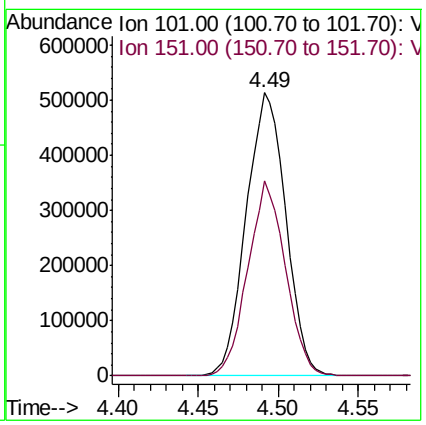


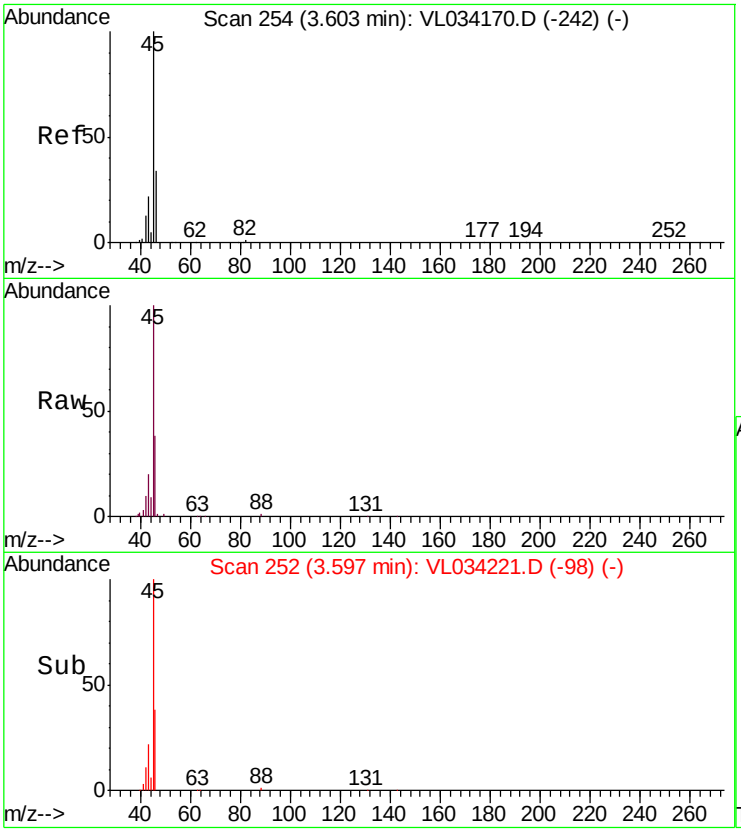


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.541 ppbv
RT: 4.49 min Scan# 530
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:101 Resp: 870348

Ion	Ratio	Lower	Upper
101	100		
151	65.4	51.8	77.8



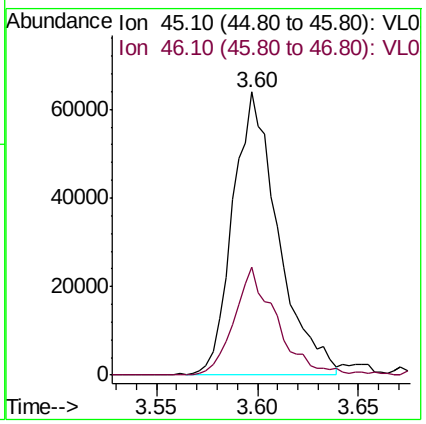


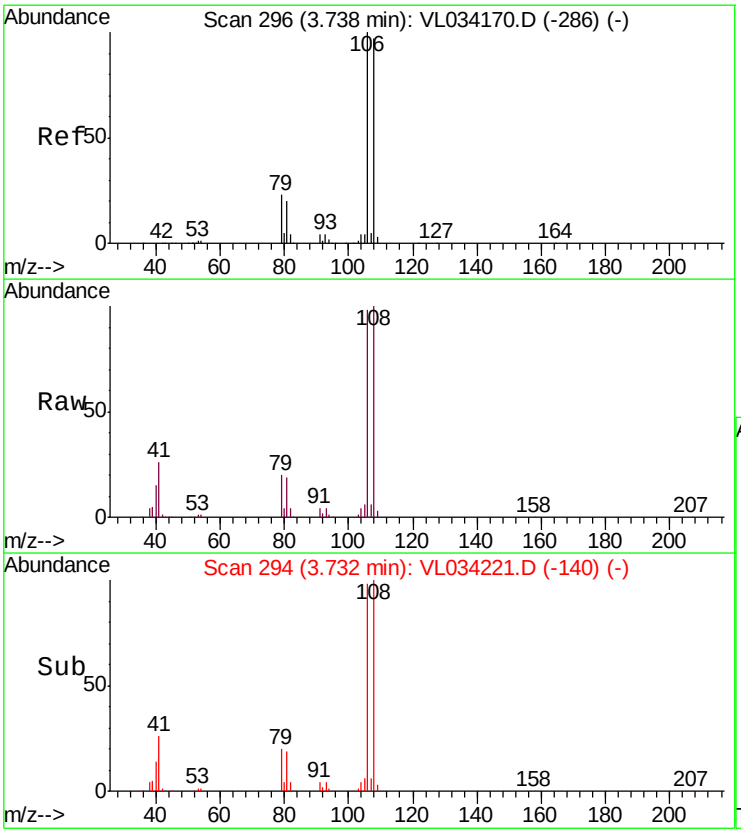
#13
Ethanol
Concen: 8.349 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 100235

Ion	Ratio	Lower	Upper
45	100		
46	37.1	15.5	61.9

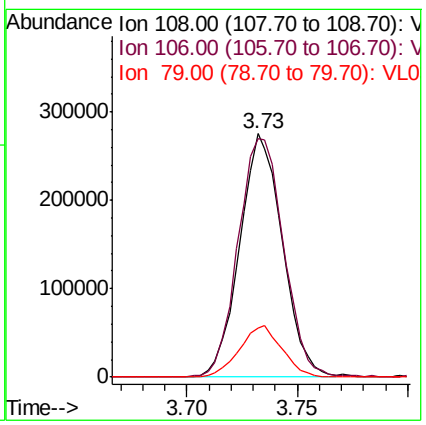


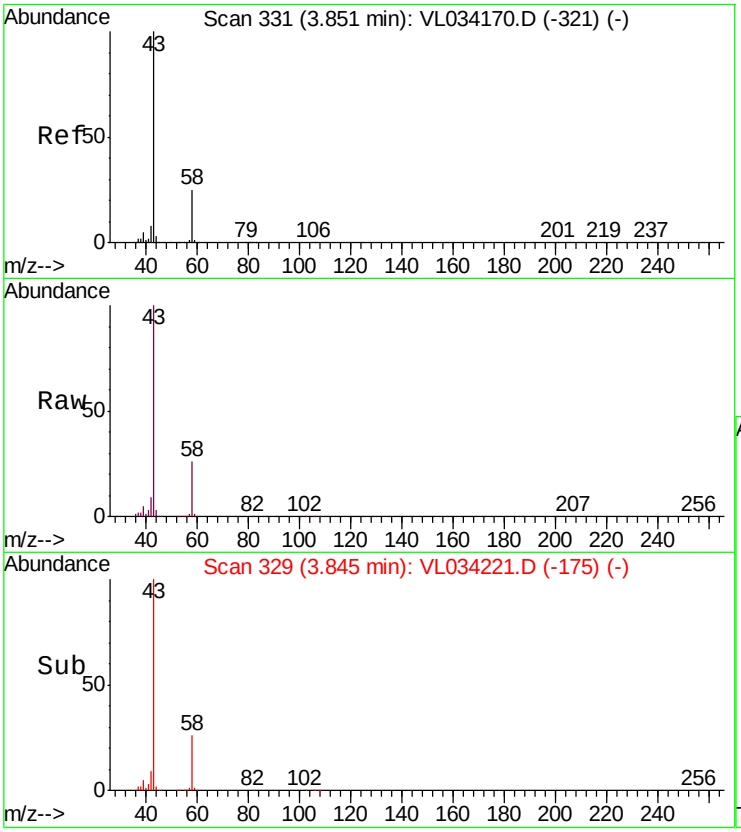


#14
Bromoethene
Concen: 11.966 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:108 Resp: 368935

Ion	Ratio	Lower	Upper
108	100		
106	105.7	86.2	129.4
79	21.5	18.6	27.8



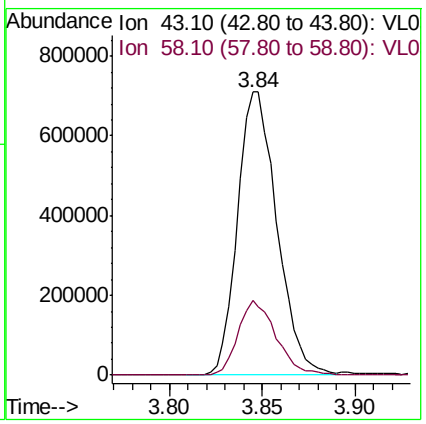


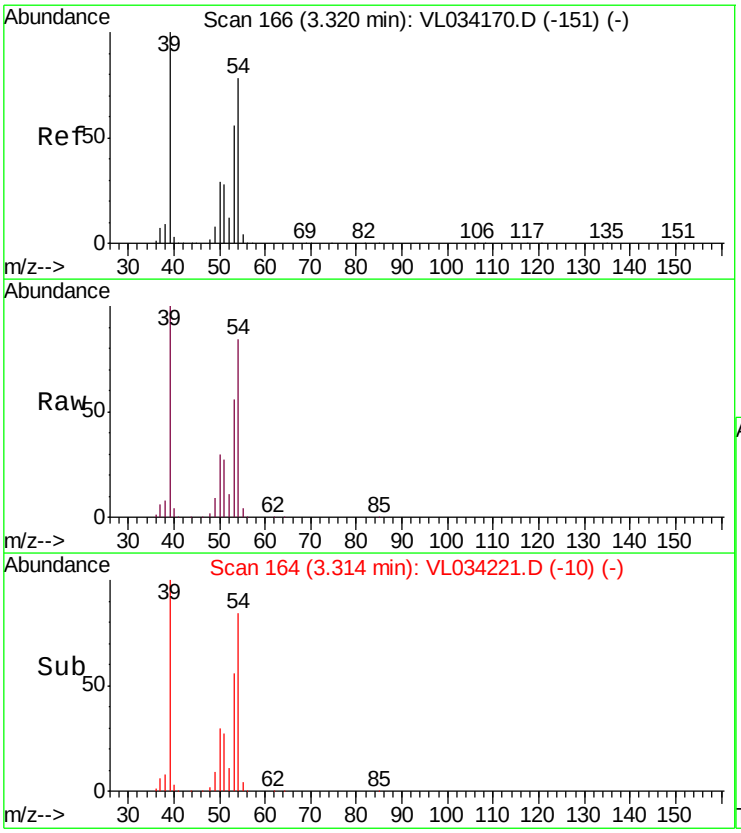
#15
Acetone
Concen: 9.147 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1050610

Ion	Ratio	Lower	Upper
43	100		
58	25.5	20.5	30.7

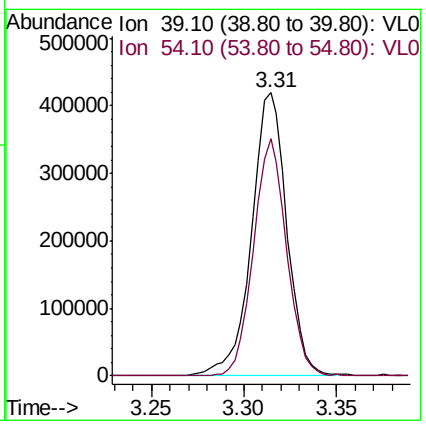


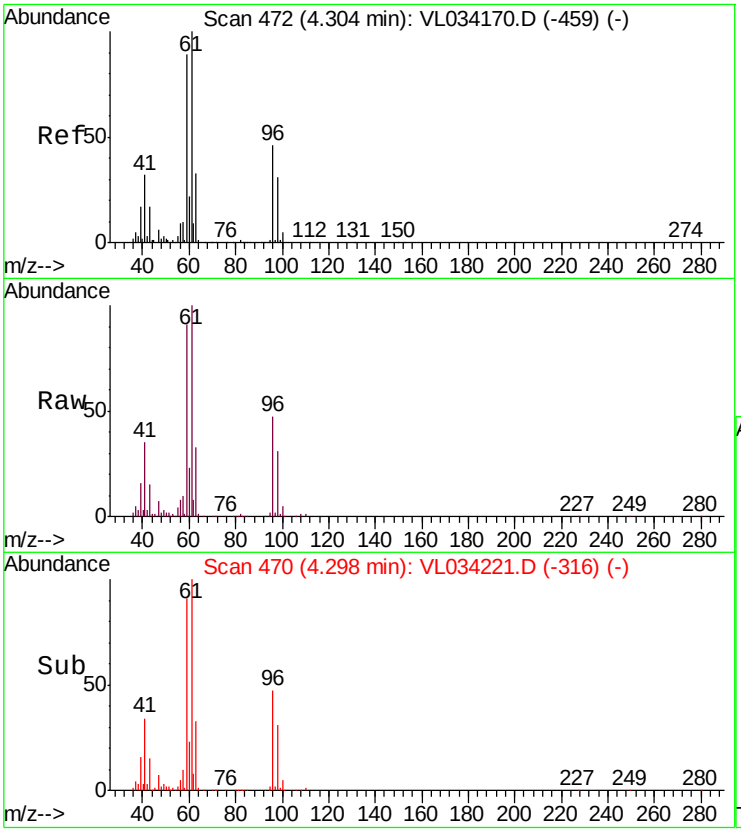


#16
1,3-Butadiene
Concen: 11.071 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 39 Resp: 554959

Ion	Ratio	Lower	Upper
39	100		
54	78.9	63.4	95.0



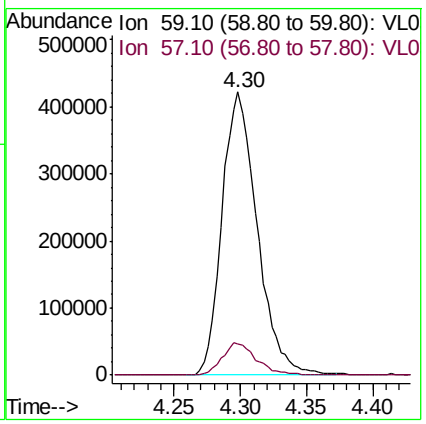


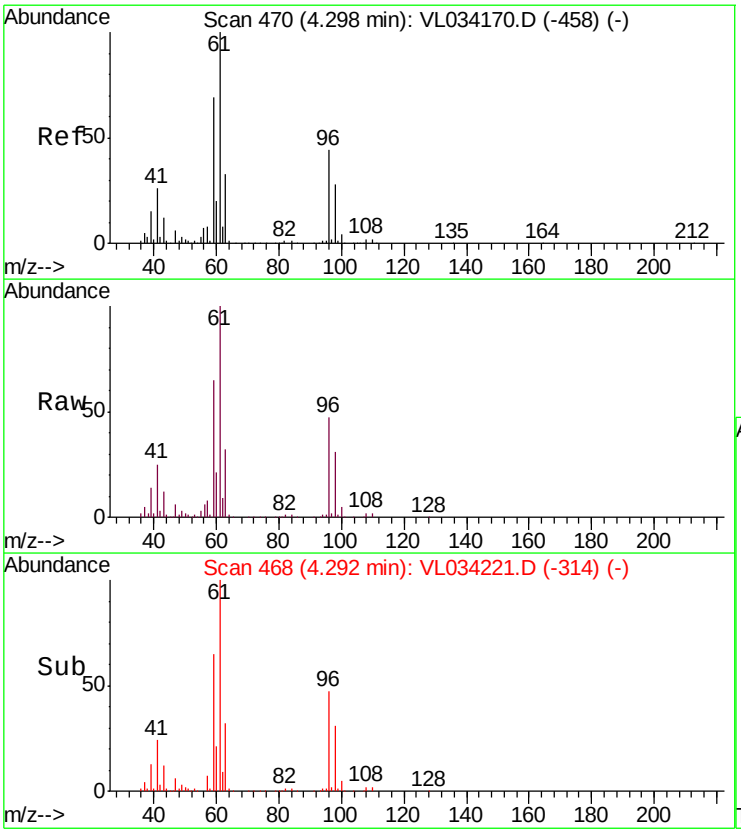
#17
tert-Butyl alcohol
Concen: 10.669 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 776512

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.7	13.1

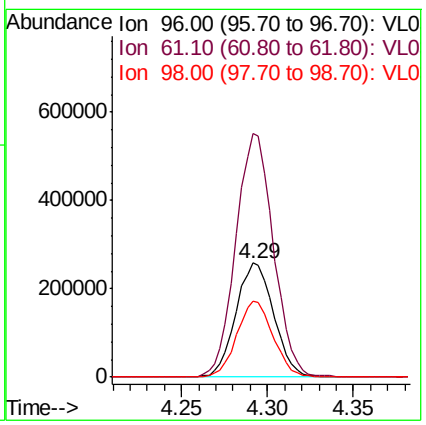


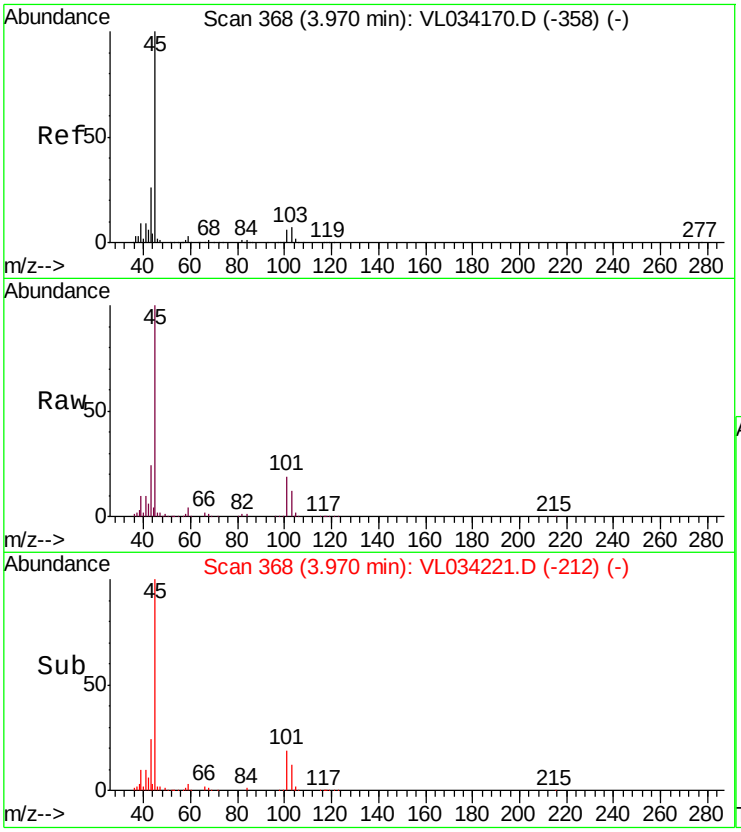


#18
1,1-Dichloroethene
Concen: 12.017 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 96 Resp: 395261

Ion	Ratio	Lower	Upper
96	100		
61	212.9	183.3	274.9
98	66.5	51.4	77.2



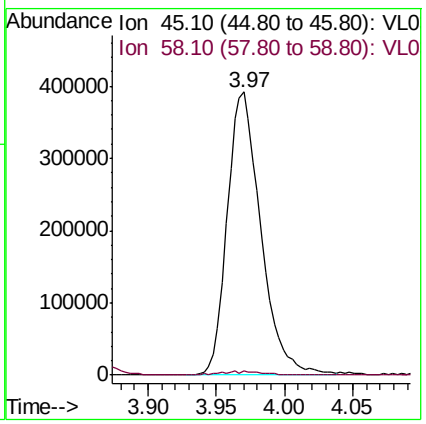


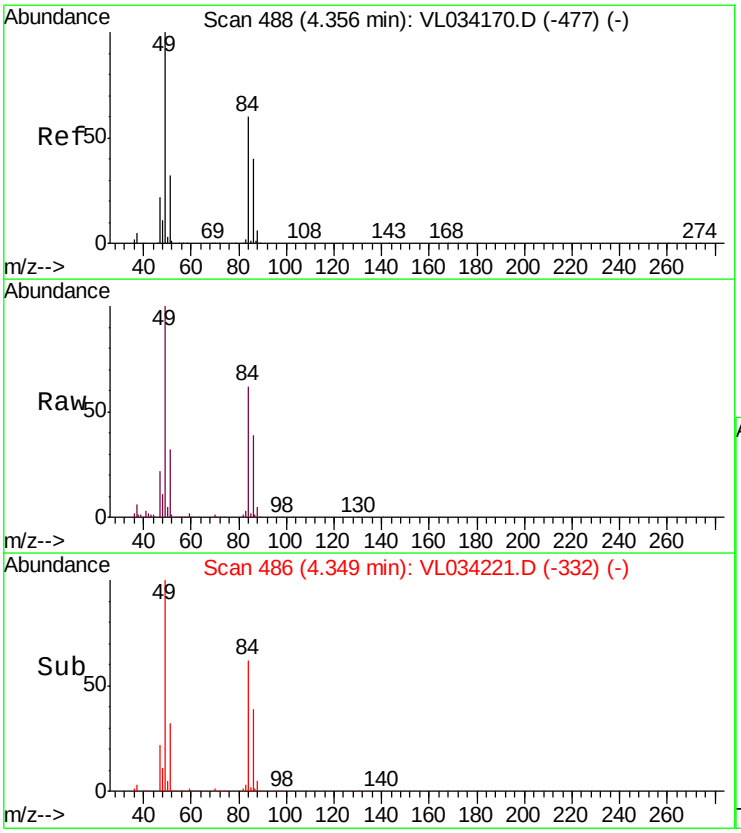
#19
Isopropyl Alcohol
Concen: 9.514 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.00 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 672001

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.4	2.0

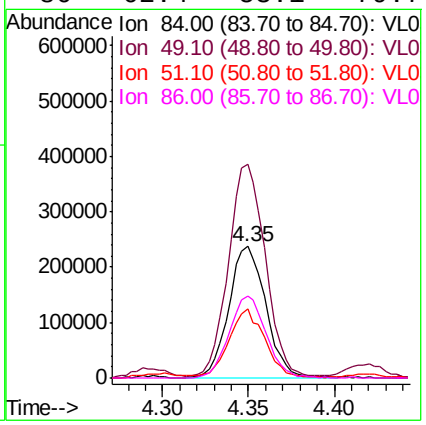


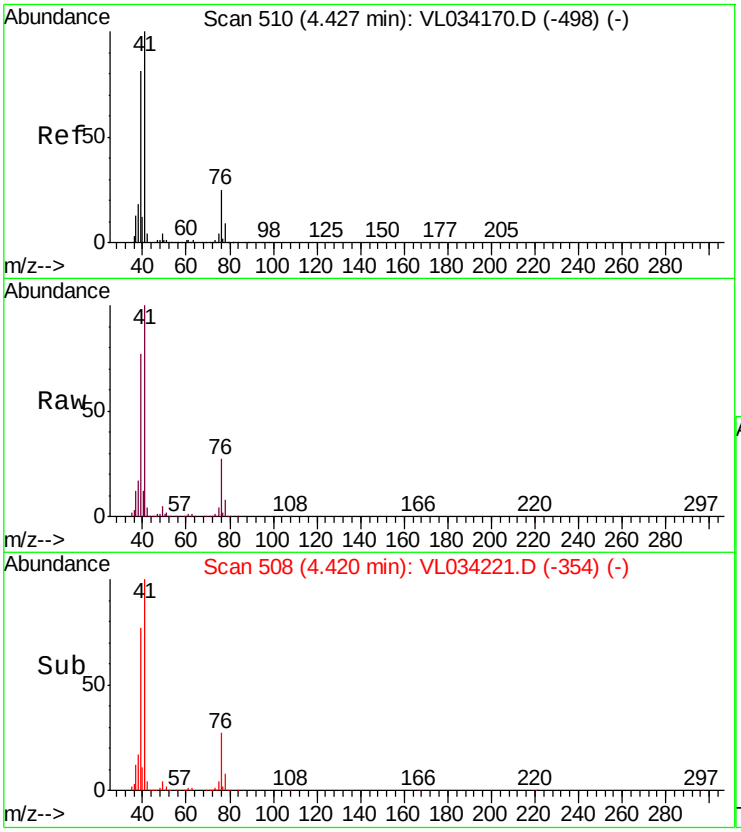


#20
Methylene Chloride
Concen: 10.734 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 84 Resp: 355480

Ion	Ratio	Lower	Upper
84	100		
49	161.2	133.8	200.8
51	51.3	43.6	65.4
86	62.4	53.1	79.7



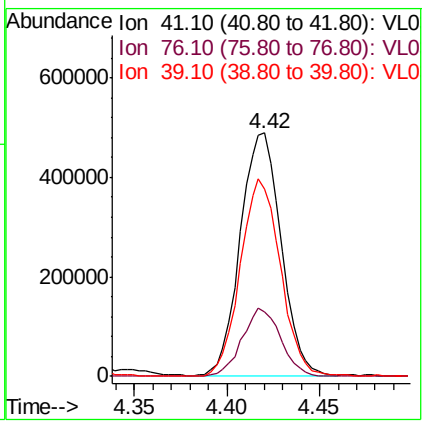


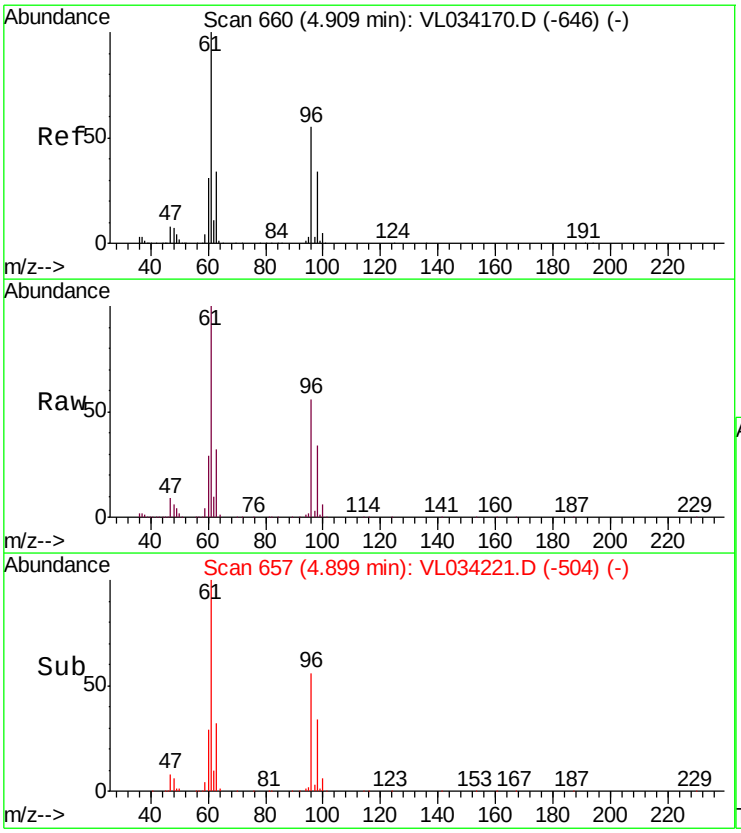
#21
Allyl Chloride
Concen: 11.556 ppbv
RT: 4.42 min Scan# 508
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 749763

Ion	Ratio	Lower	Upper
41	100		
76	26.8	21.8	32.6
39	79.8	64.8	97.2

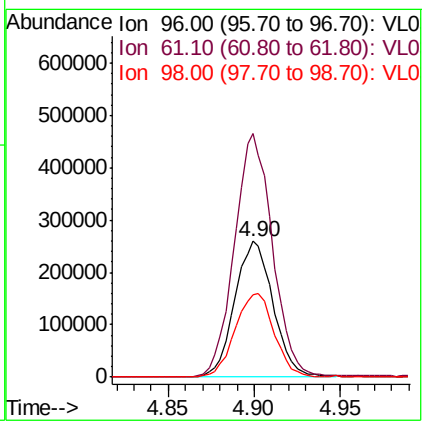


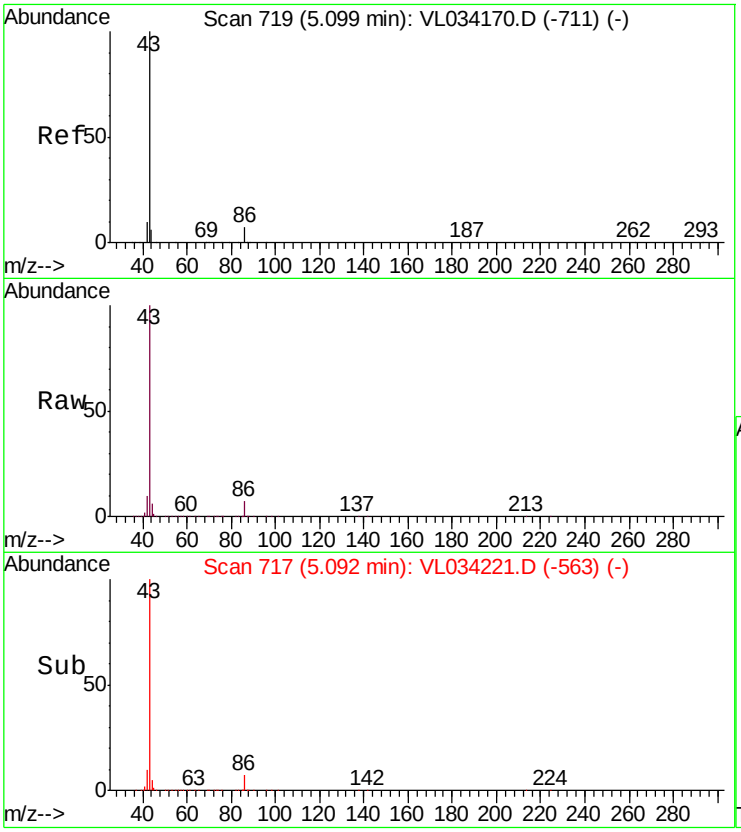


#22
trans-1,2-Dichloroethene
Concen: 12.258 ppbv
RT: 4.90 min Scan# 657
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 96 Resp: 403376

Ion	Ratio	Lower	Upper
96	100		
61	179.2	145.5	218.3
98	60.6	49.9	74.9



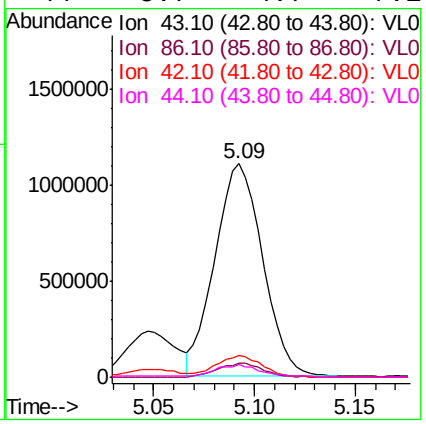


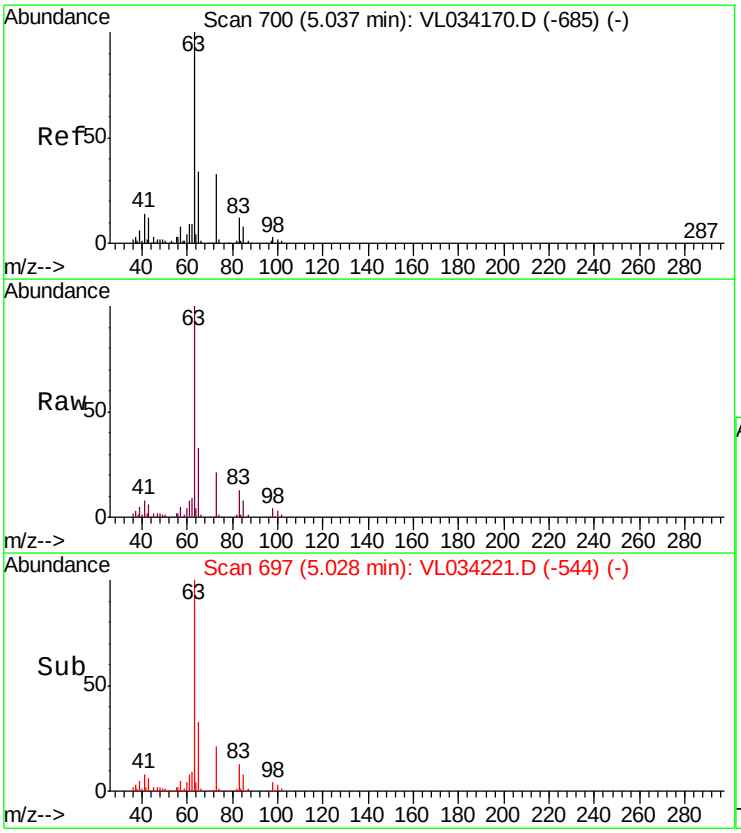
#23
Vinyl Acetate
Concen: 10.789 ppbv
RT: 5.09 min Scan# 717
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1826215

Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.1	7.7
42	10.0	8.6	12.8
44	5.7	4.7	7.1

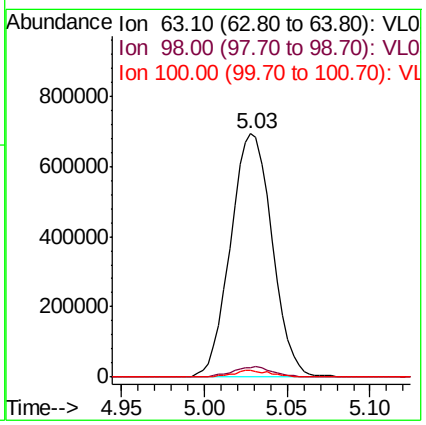


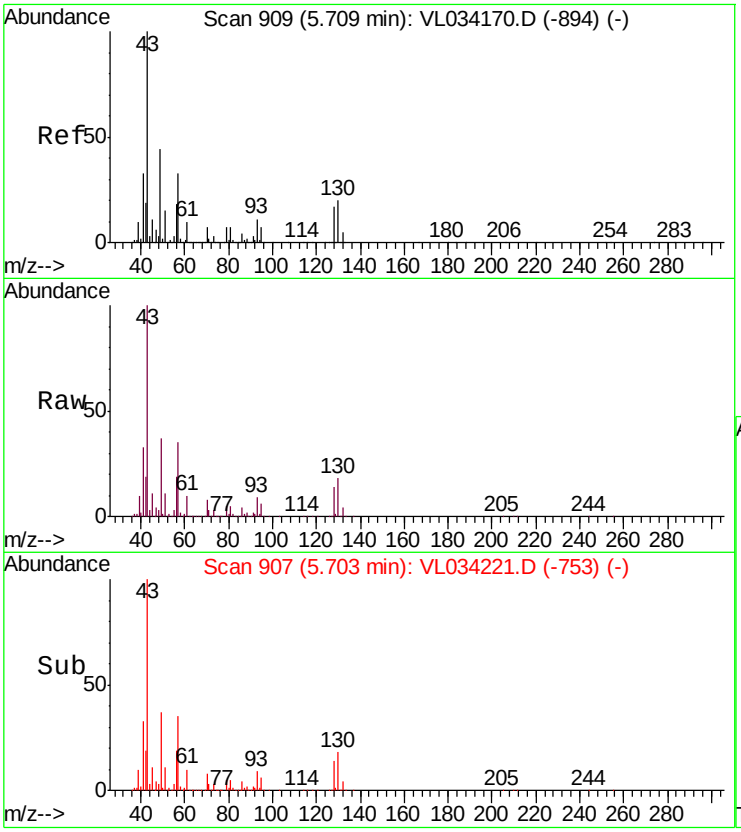


#24
1,1-Dichloroethane
Concen: 10.567 ppbv
RT: 5.03 min Scan# 697
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 63 Resp: 1204356

Ion	Ratio	Lower	Upper
63	100		
98	3.9	1.8	5.3
100	2.5	1.0	3.0



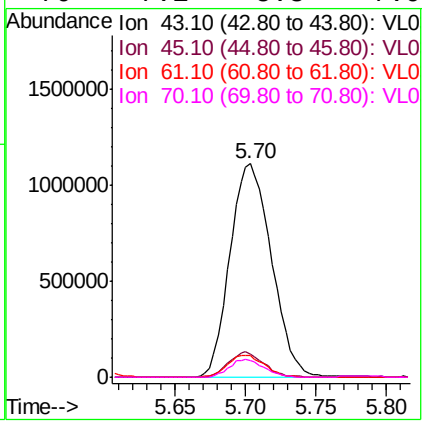


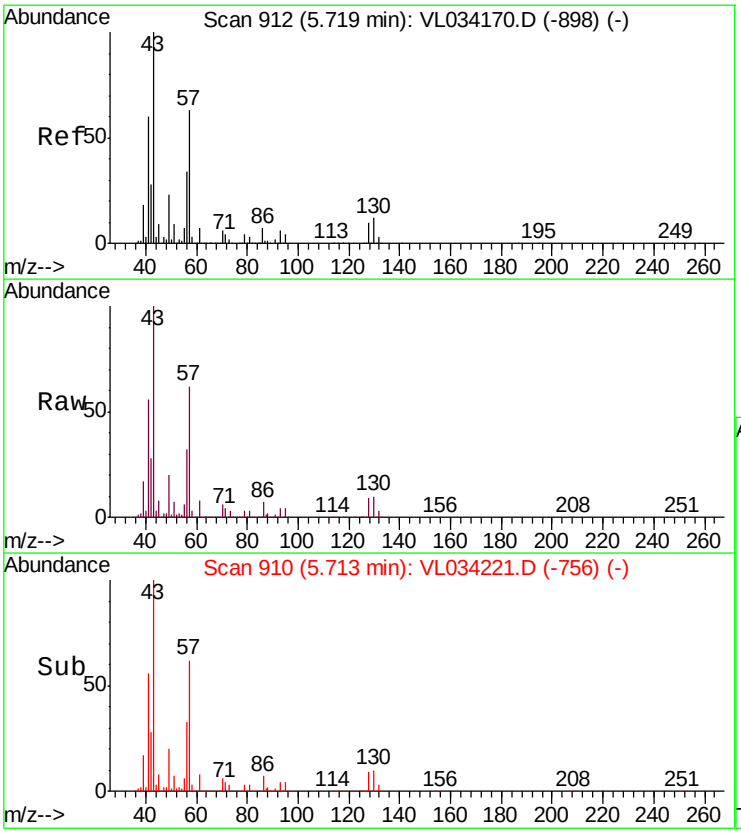
#25
Ethyl Acetate
Concen: 10.520 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2284971

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.4	12.6
61	9.3	7.2	10.8
70	7.1	5.3	7.9

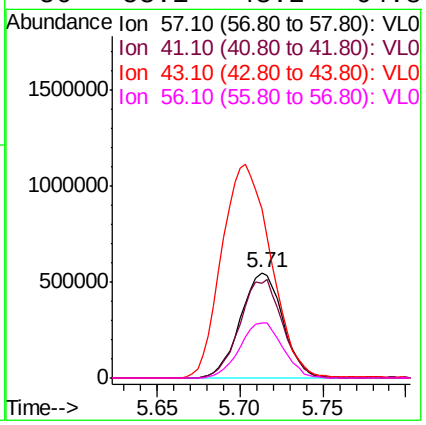


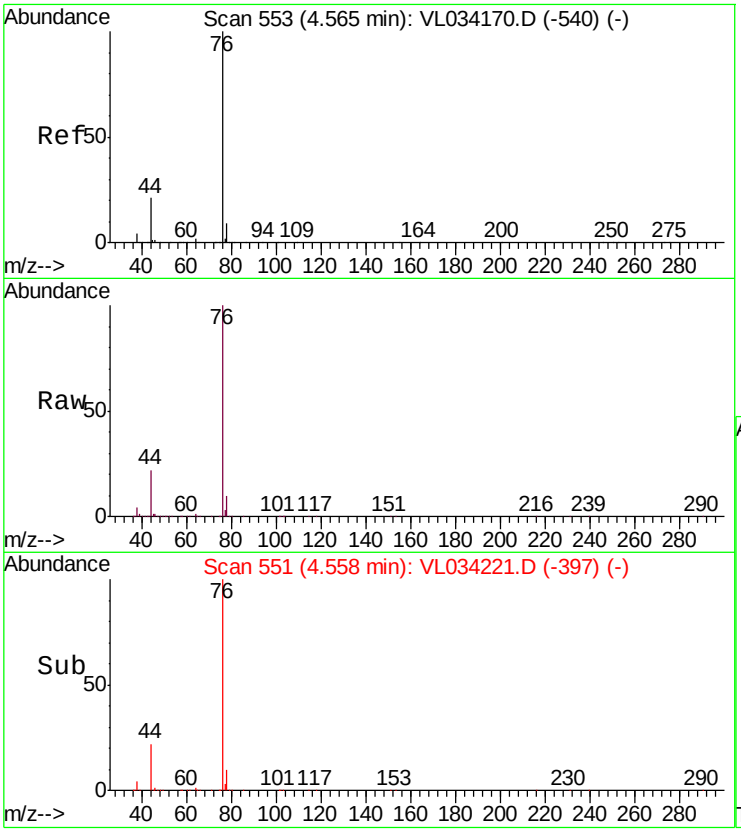


#26
Hexane
Concen: 10.779 ppbv
RT: 5.71 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 57 Resp: 973951

Ion	Ratio	Lower	Upper
57	100		
41	94.9	78.5	117.7
43	236.1	189.5	284.3
56	53.1	43.2	64.8



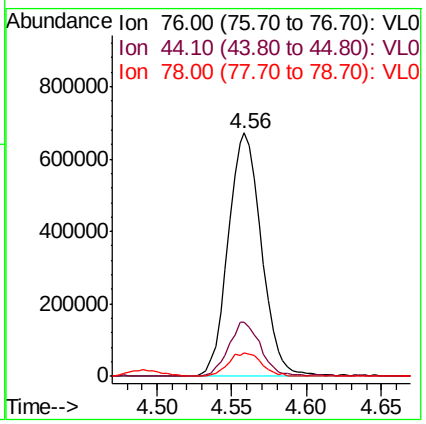


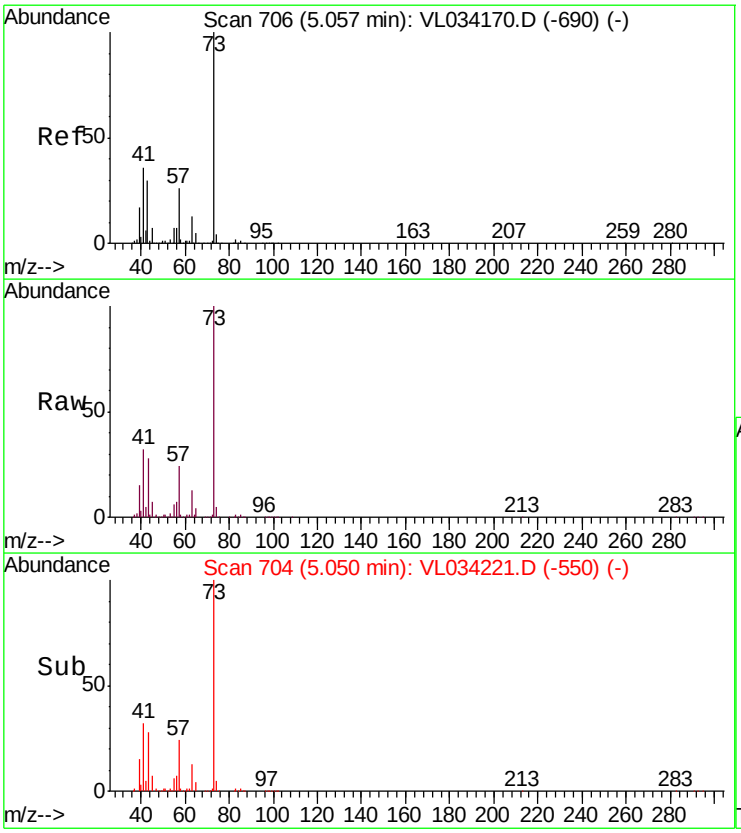
#27
Carbon Disulfide
Concen: 12.486 ppbv
RT: 4.56 min Scan# 551
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 1040471

Ion	Ratio	Lower	Upper
76	100		
44	21.4	17.6	26.4
78	9.8	7.6	11.4

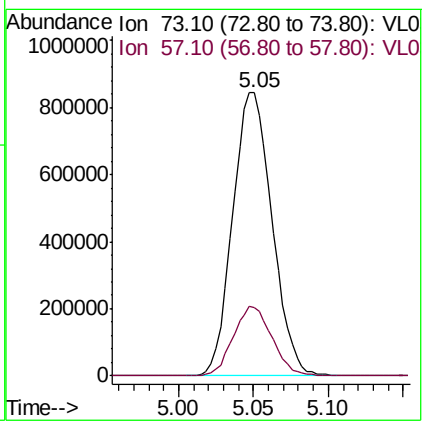


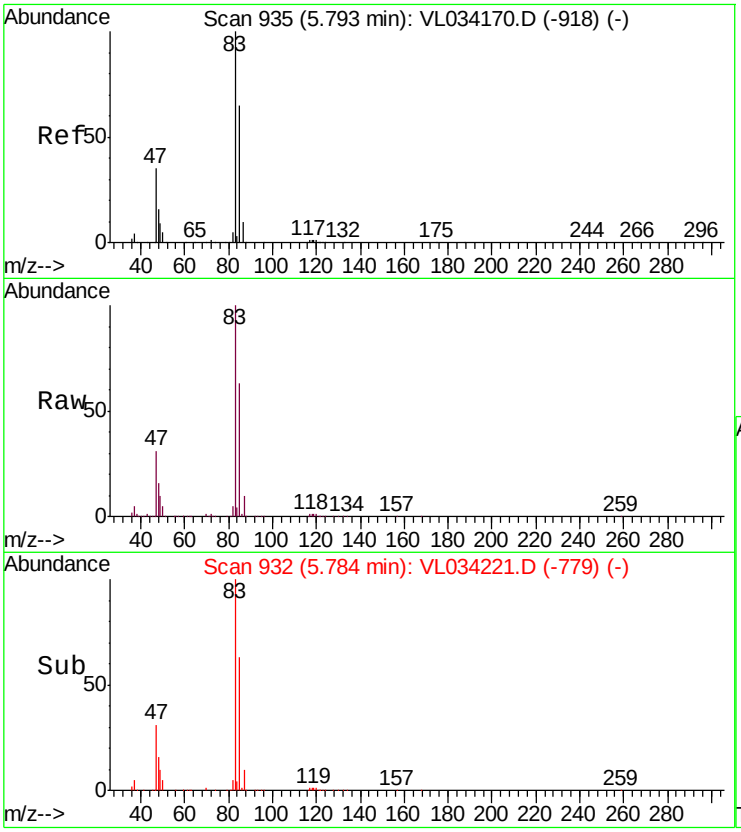


#28
Methyl tert-Butyl Ether
Concen: 11.537 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 73 Resp: 1548168

Ion	Ratio	Lower	Upper
73	100		
57	24.2	20.2	30.2



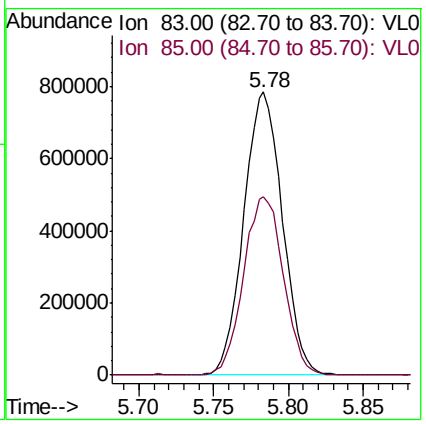


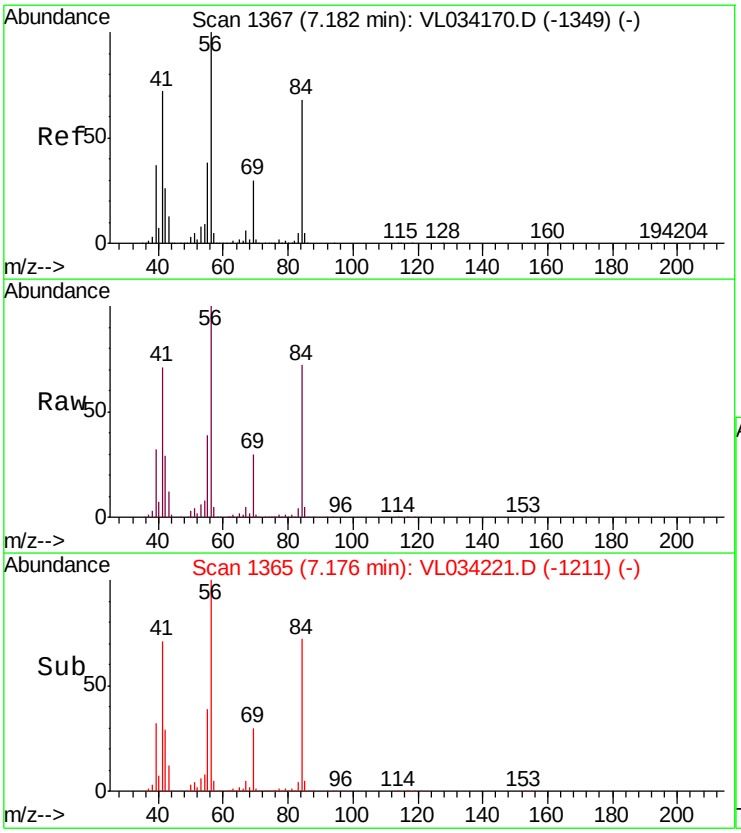
#29
Chloroform
Concen: 10.903 ppbv
RT: 5.78 min Scan# 932
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1407745

Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.3	78.5

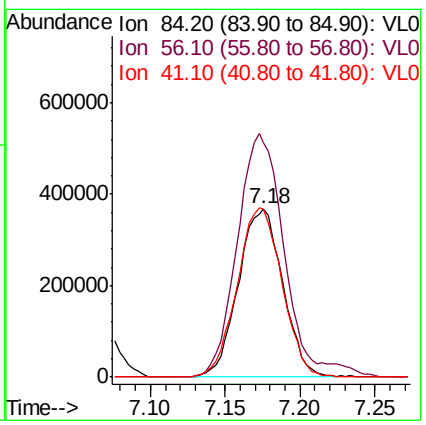


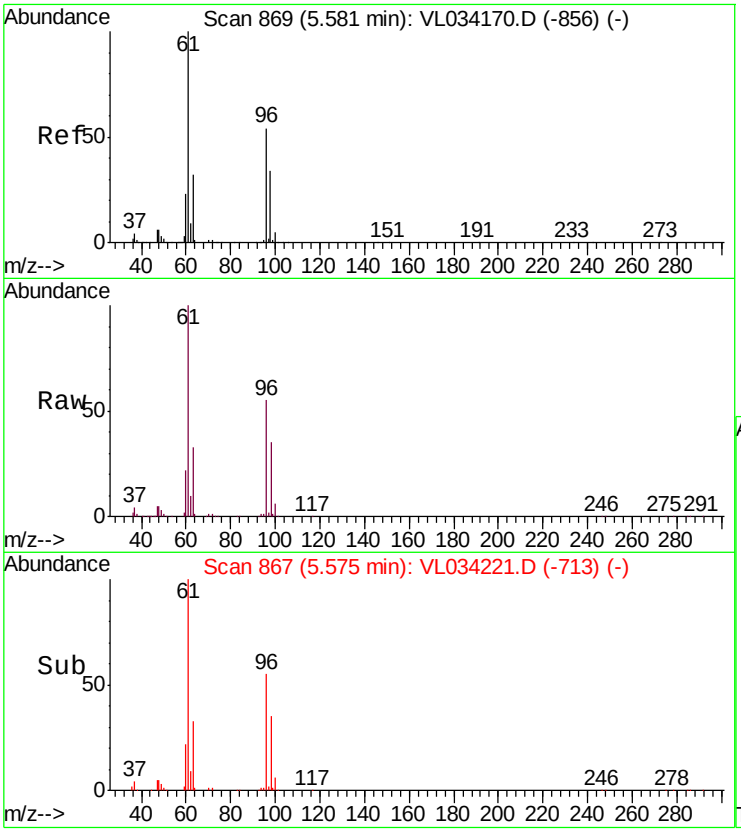


#30
Cyclohexane
Concen: 11.599 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 84 Resp: 756656

Ion	Ratio	Lower	Upper
84	100		
56	155.2	126.2	189.2
41	102.3	85.8	128.8



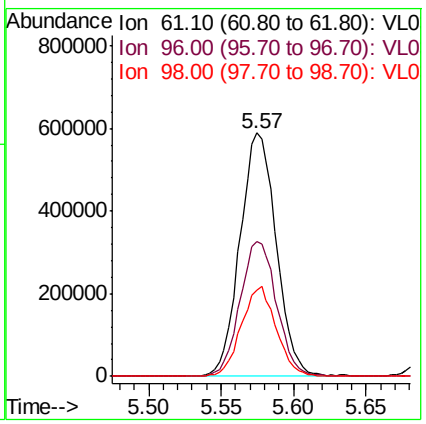


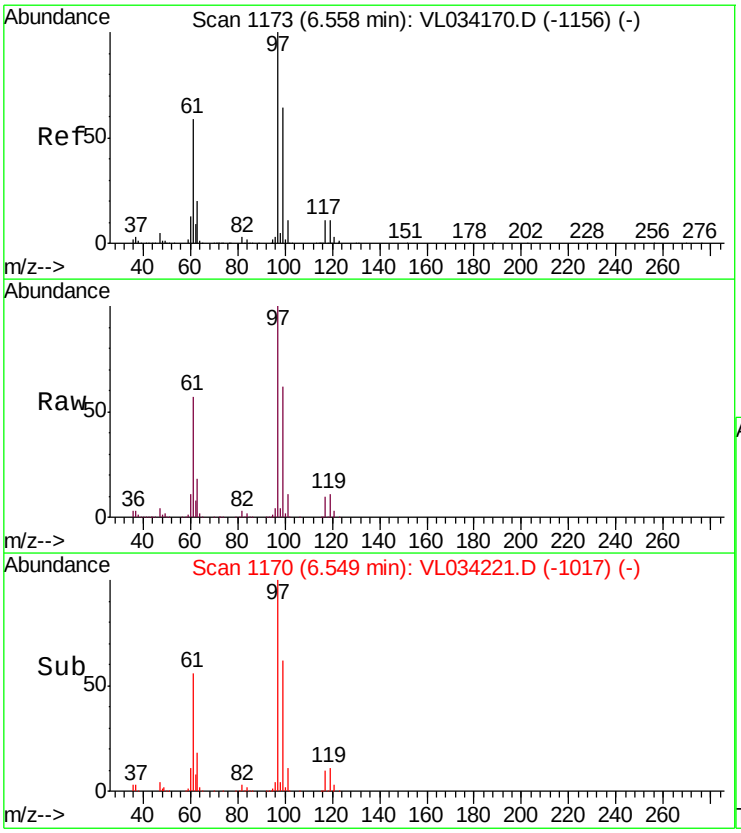
#31
cis-1,2-Dichloroethene
Concen: 11.154 ppbv
RT: 5.57 min Scan# 867
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 1027365

Ion	Ratio	Lower	Upper
61	100		
96	55.3	43.0	64.4
98	35.2	27.2	40.8

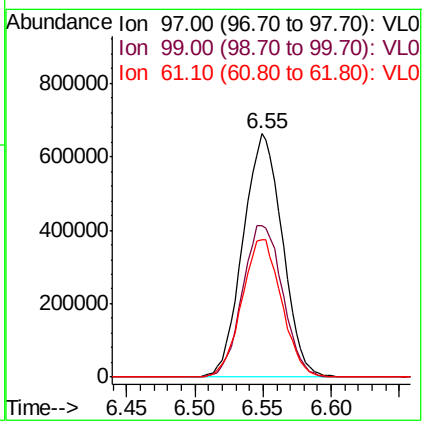


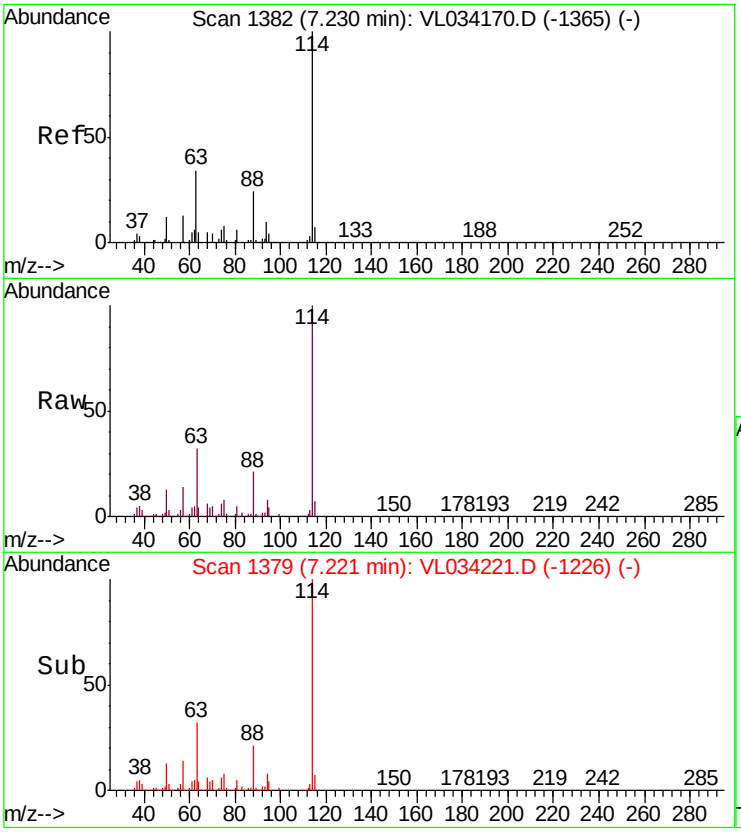


#32
1,1,1-Trichloroethane
Concen: 10.670 ppbv
RT: 6.55 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 97 Resp: 1328573

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.2
61	57.2	48.4	72.6



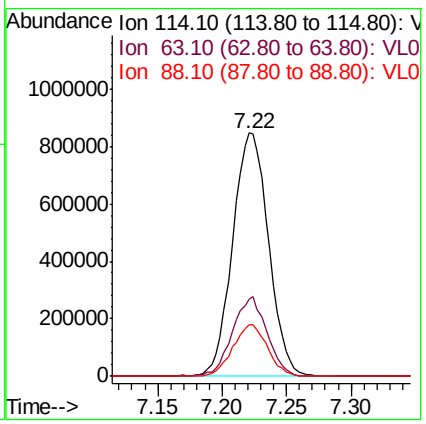


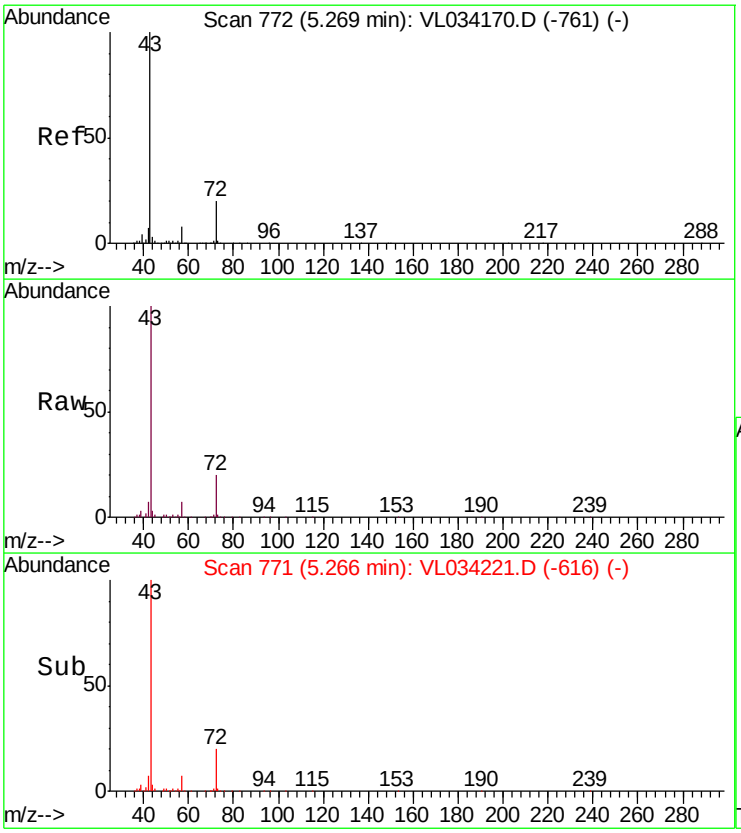
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 1638935

Ion	Ratio	Lower	Upper
114	100		
63	31.8	27.8	41.6
88	20.6	17.1	25.7

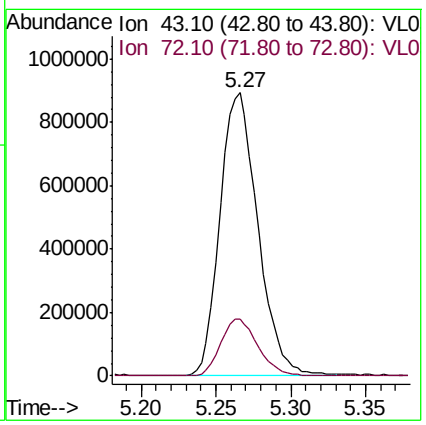


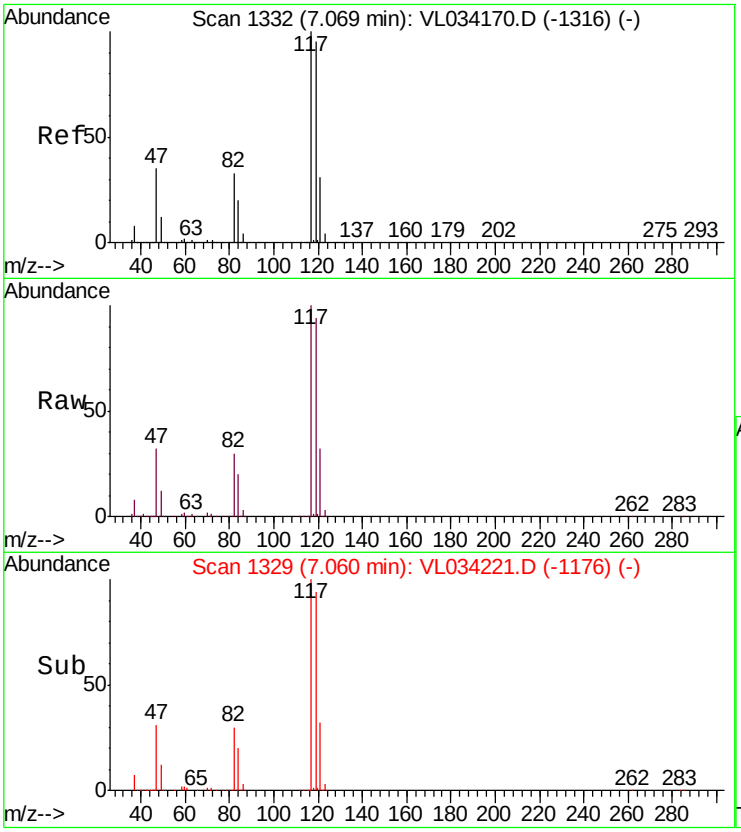


#34
2-Butanone
Concen: 9.380 ppbv
RT: 5.27 min Scan# 771
Delta R.T. -0.00 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 43 Resp: 1569742

Ion	Ratio	Lower	Upper
43	100		
72	19.9	15.0	22.6



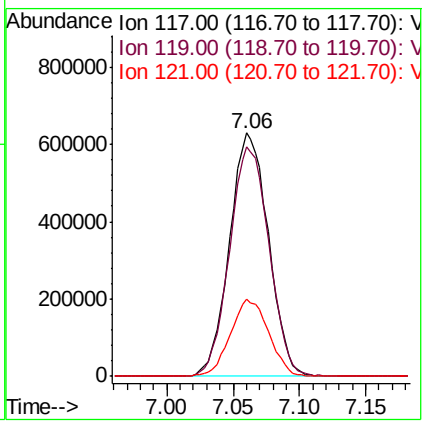


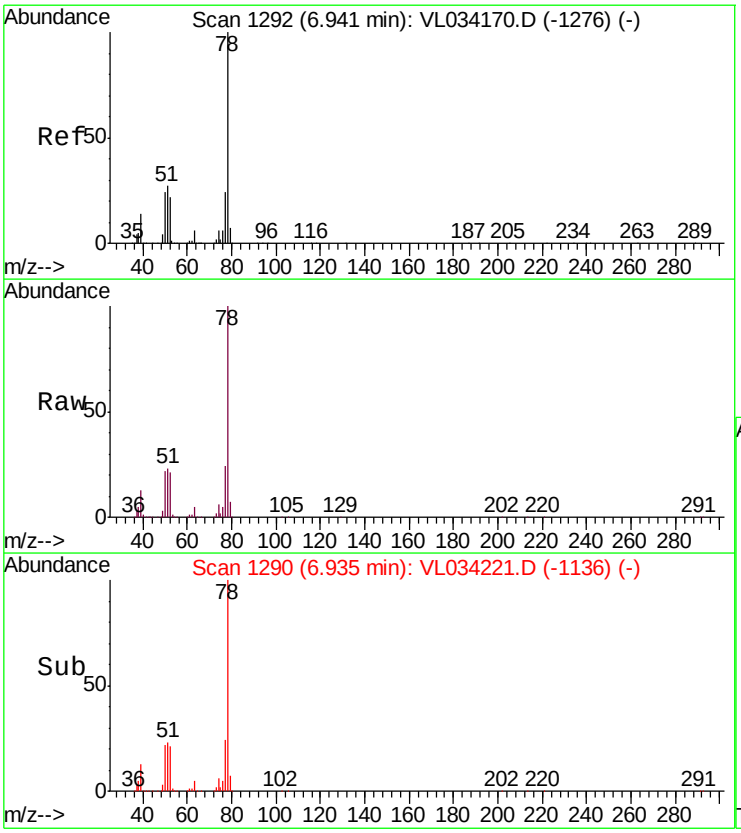
#35
Carbon Tetrachloride
Concen: 9.390 ppbv
RT: 7.06 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 1278553

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.8	113.6
121	31.7	25.0	37.6

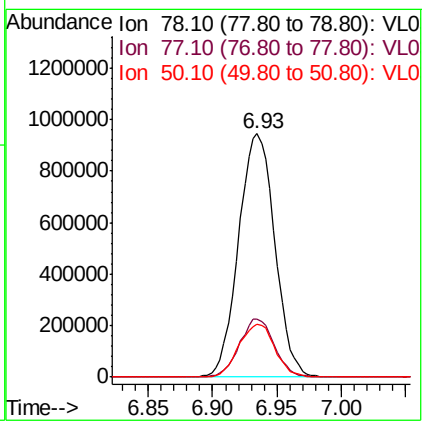


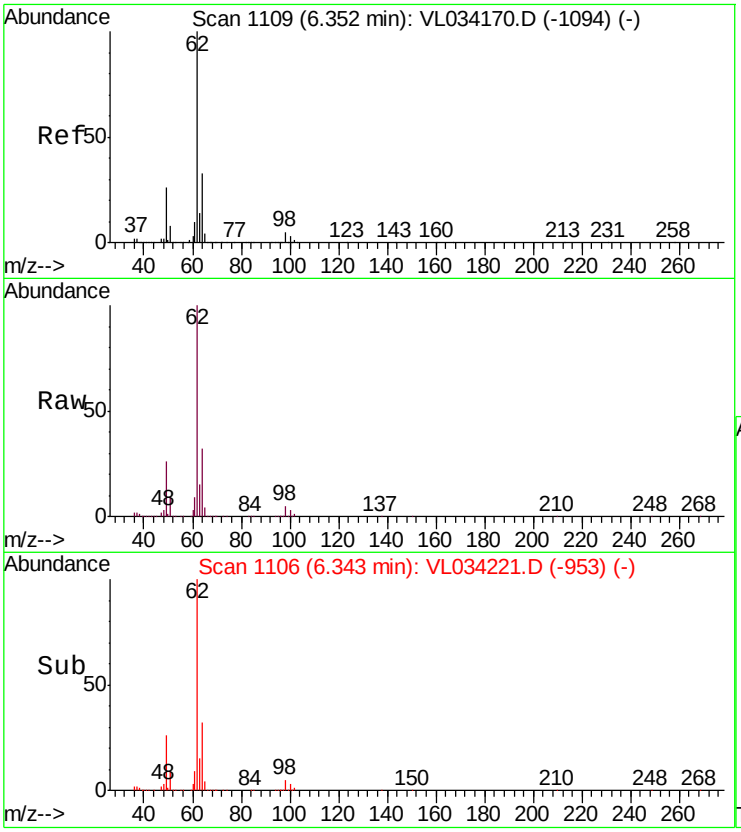


#36
Benzene
Concen: 10.220 ppbv
RT: 6.93 min Scan# 1290
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 78 Resp: 1849991

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4
50	21.6	18.9	28.3



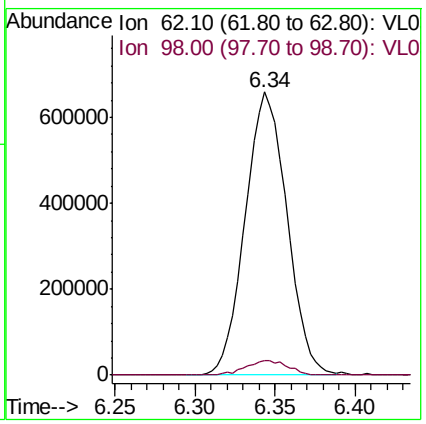


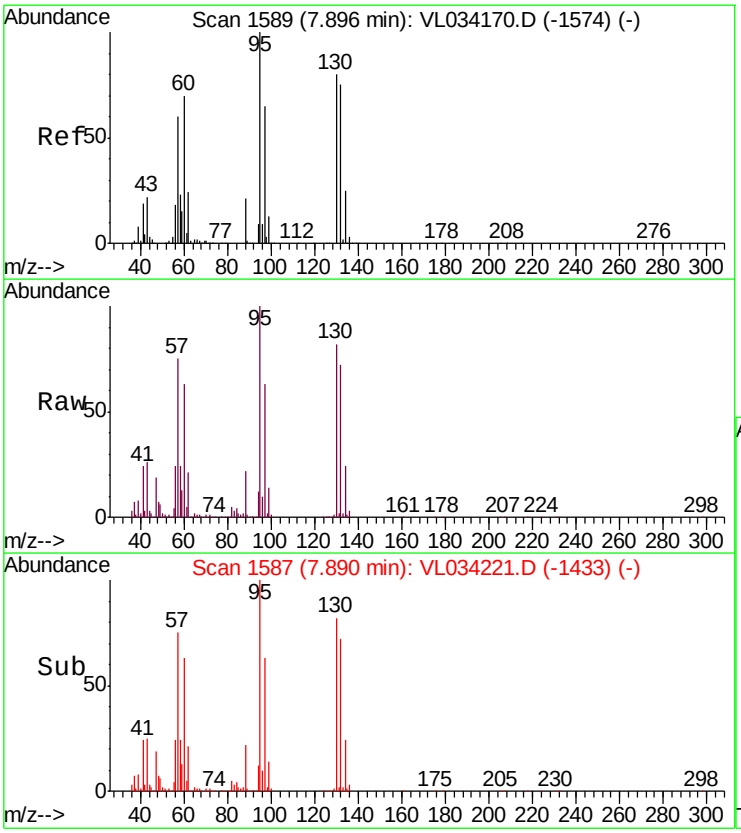
#37
1,2-Dichloroethane
Concen: 9.174 ppbv
RT: 6.34 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 1181079

Ion	Ratio	Lower	Upper
62	100		
98	5.3	3.8	5.8

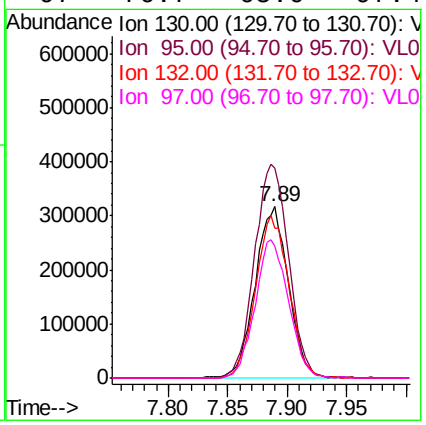


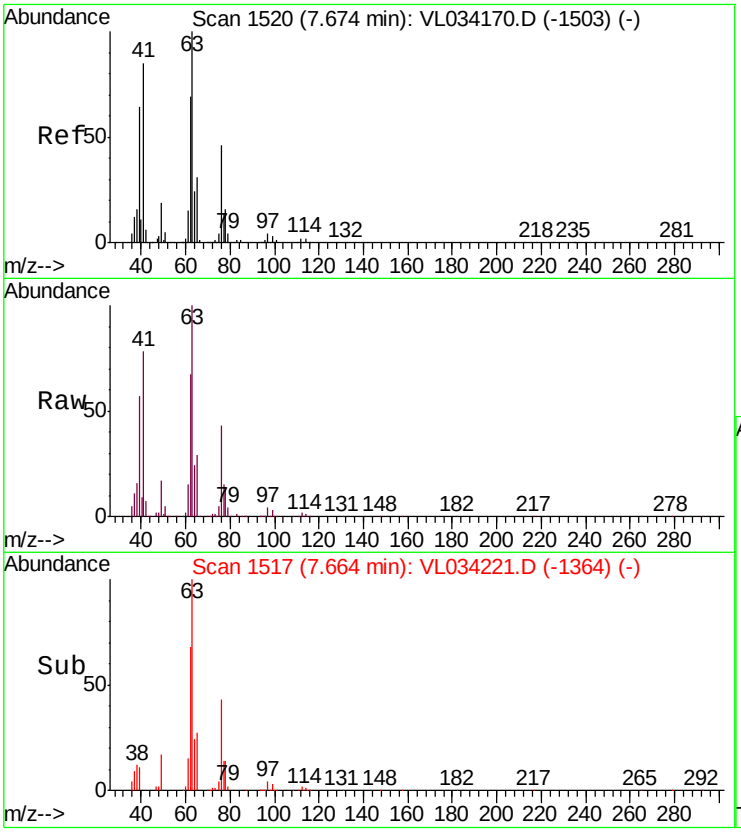


#38
Trichloroethene
Concen: 9.502 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:130 Resp: 614545

Ion	Ratio	Lower	Upper
130	100		
95	122.4	99.8	149.6
132	87.9	75.2	112.8
97	76.7	65.0	97.4



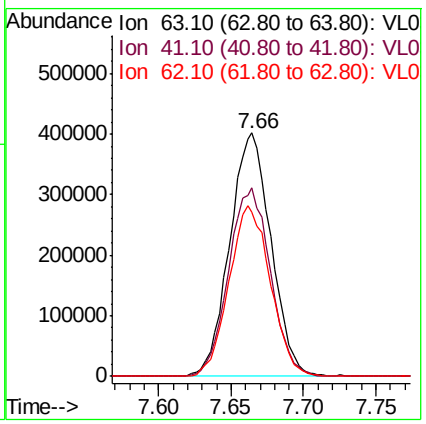


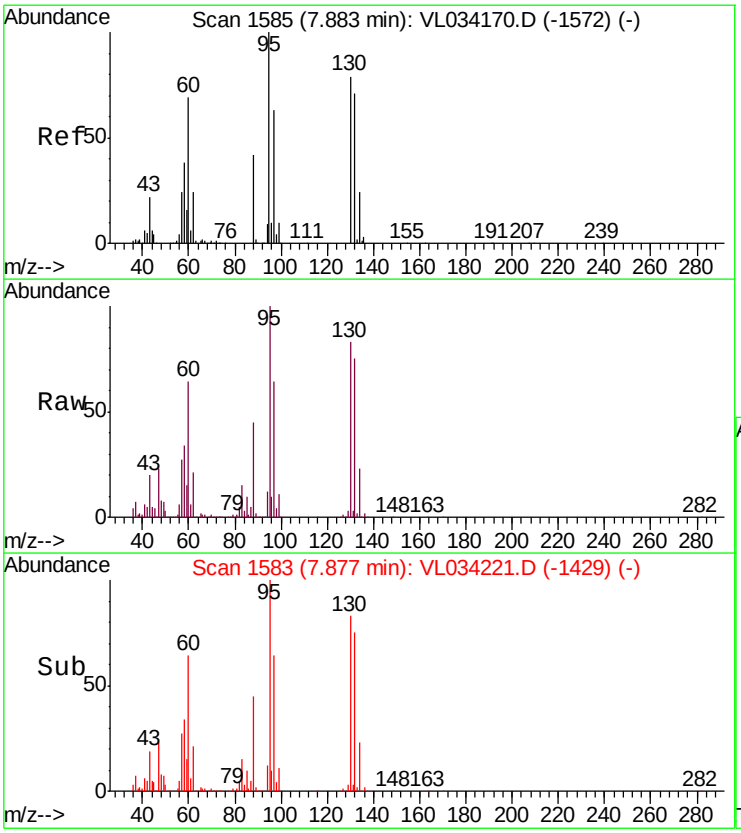
#39
1,2-Dichloropropane
Concen: 9.731 ppbv
RT: 7.66 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 63 Resp: 791417

Ion	Ratio	Lower	Upper
63	100		
41	77.5	68.4	102.6
62	67.3	55.4	83.2

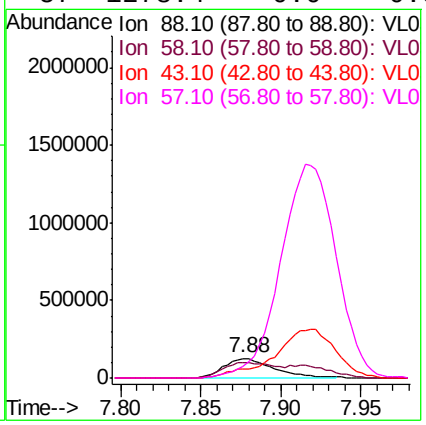


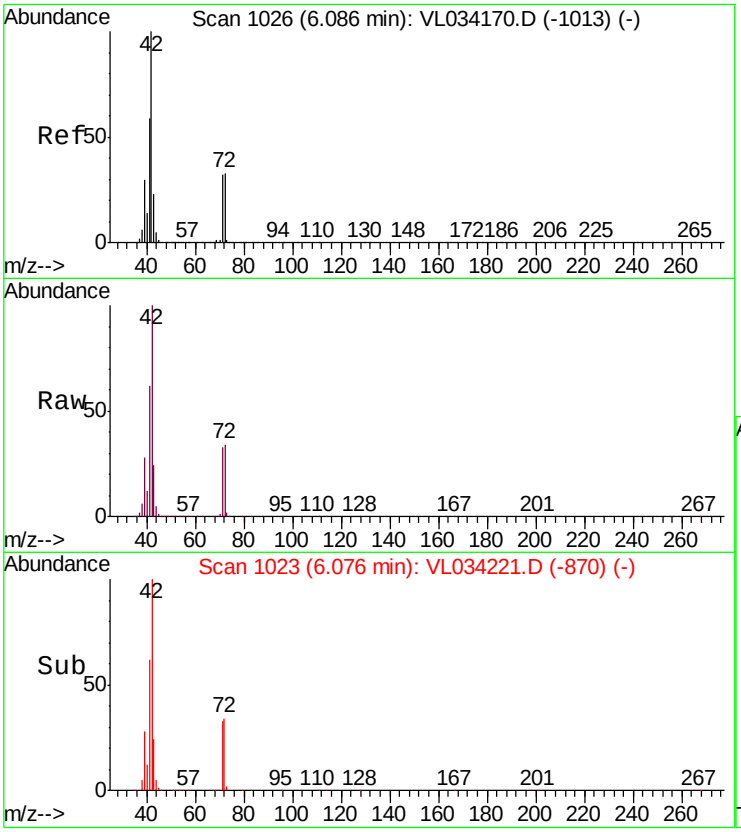


#40
1,4-Dioxane
Concen: 9.956 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 88 Resp: 262028

Ion	Ratio	Lower	Upper
88	100		
58	143.9	131.8	197.6
43	318.9	0.0	0.0#
57	1278.4	0.0	0.0#



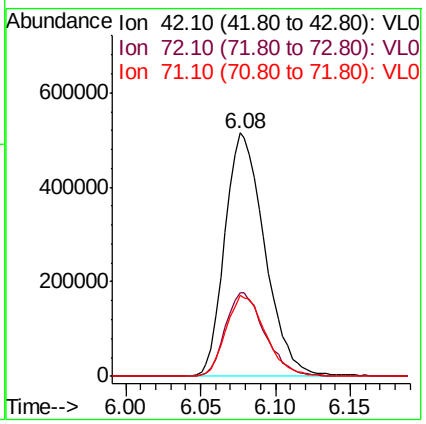


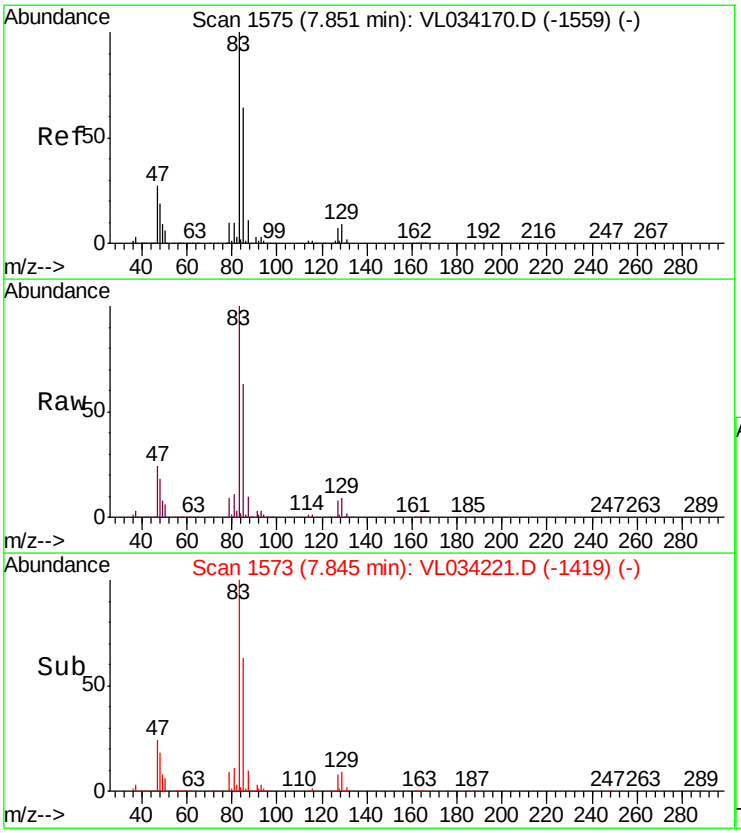
#41
Tetrahydrofuran
Concen: 10.120 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 42 Resp: 953859

Ion	Ratio	Lower	Upper
42	100		
72	34.3	26.6	40.0
71	33.1	25.1	37.7

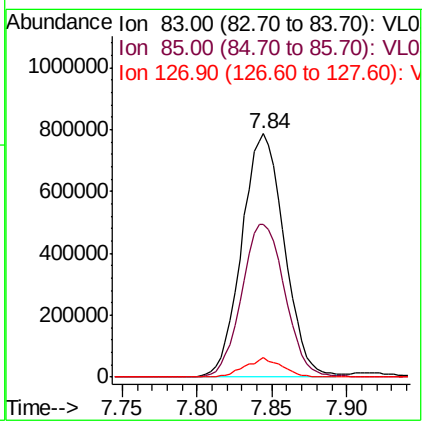


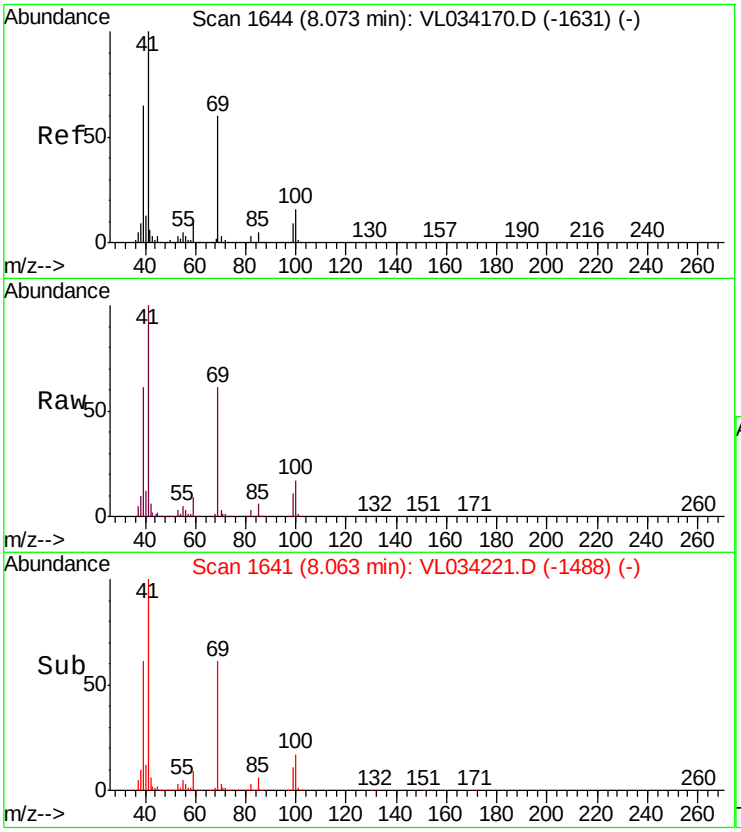


#42
Bromodichloromethane
Concen: 10.070 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 83 Resp: 1555863

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.0
127	7.9	5.5	8.3



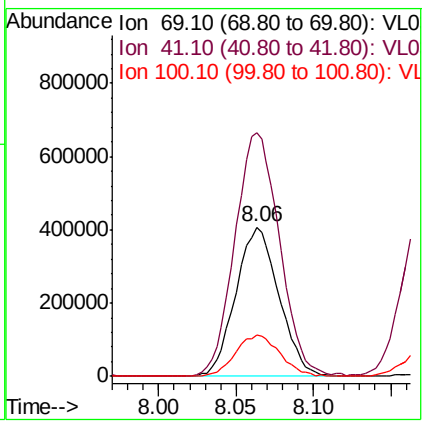


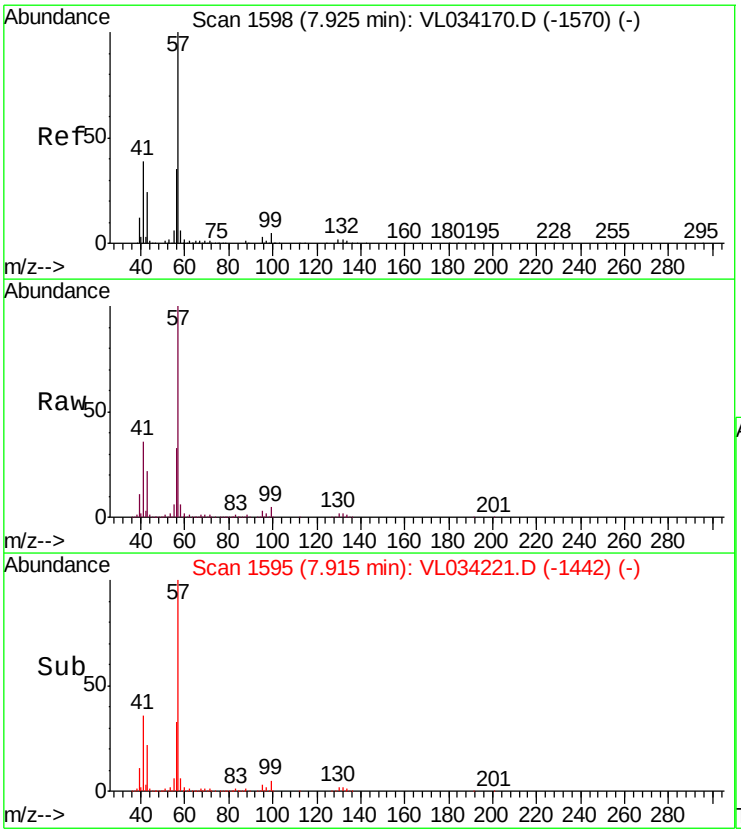
#43
Methyl Methacrylate
Concen: 10.559 ppbv
RT: 8.06 min Scan# 1641
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 789571

Ion	Ratio	Lower	Upper
69	100		
41	168.9	140.4	210.6
100	28.8	21.9	32.9

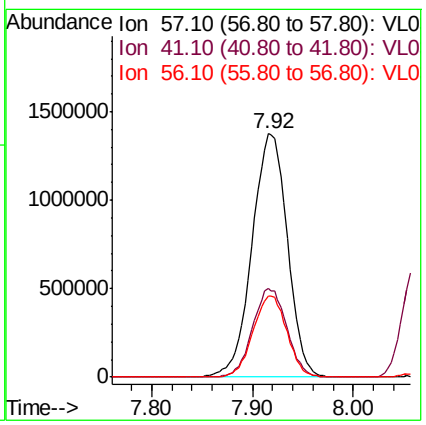


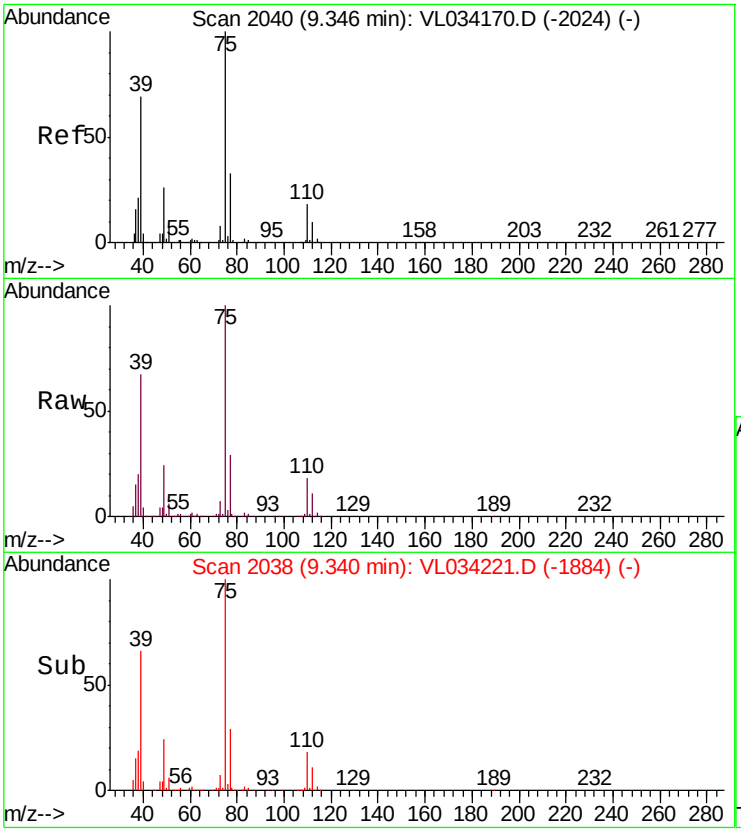


#44
2,2,4-Trimethylpentane
Concen: 9.605 ppbv
RT: 7.92 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 57 Resp: 3347136

Ion	Ratio	Lower	Upper
57	100		
41	35.1	29.8	44.6
56	32.1	25.9	38.9



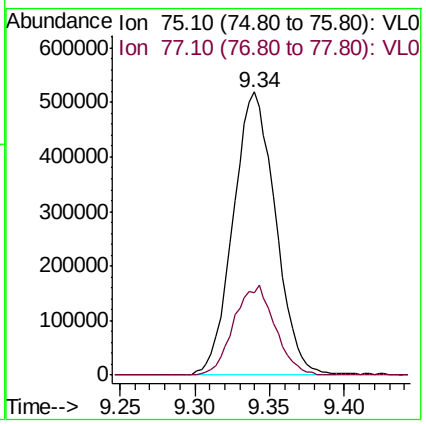


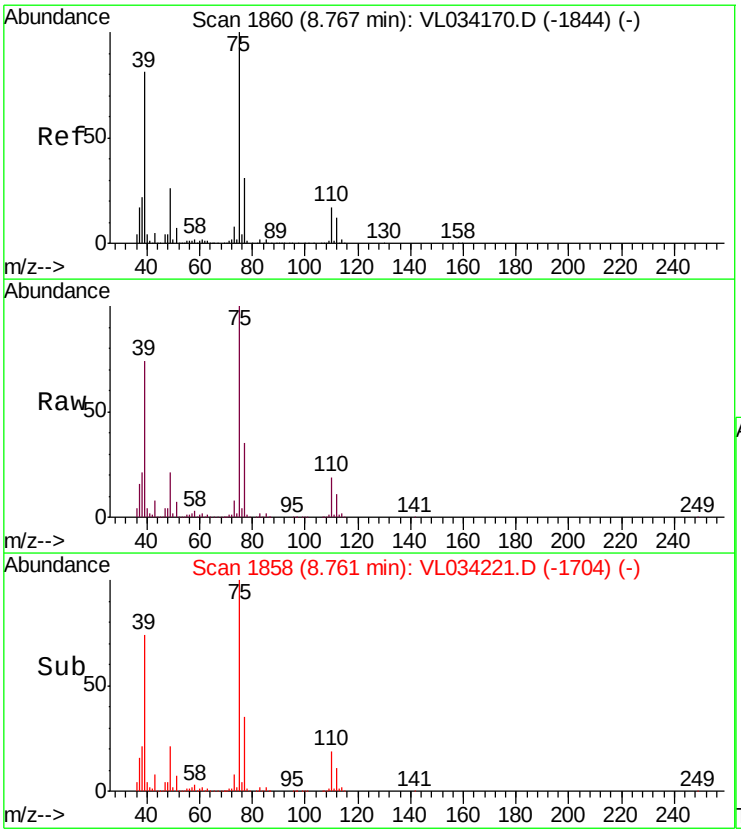
#45
t-1,3-Dichloropropene
Concen: 11.509 ppbv
RT: 9.34 min Scan# 2038
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 1017586

Ion	Ratio	Lower	Upper
75	100		
77	29.1	26.2	39.2

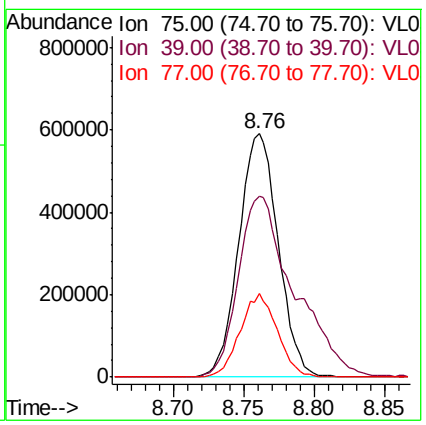


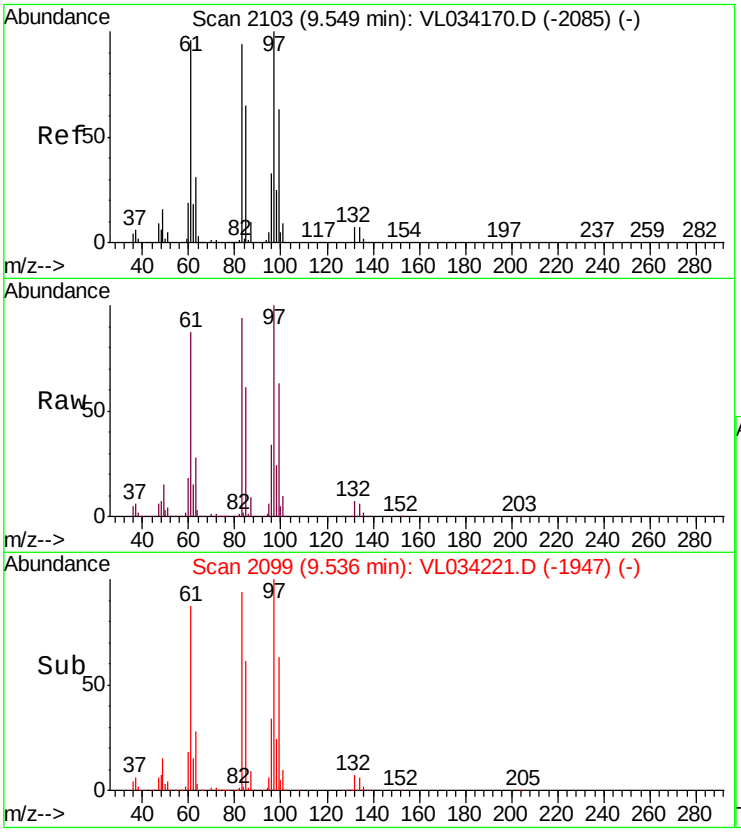


#46
cis-1,3-Dichloropropene
Concen: 10.893 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 75 Resp: 1158552

Ion	Ratio	Lower	Upper
75	100		
39	73.8	65.0	97.4
77	34.6	24.5	36.7



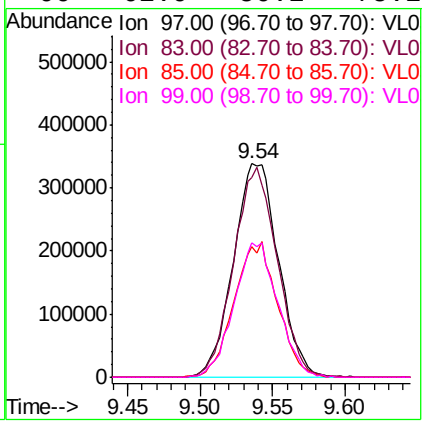


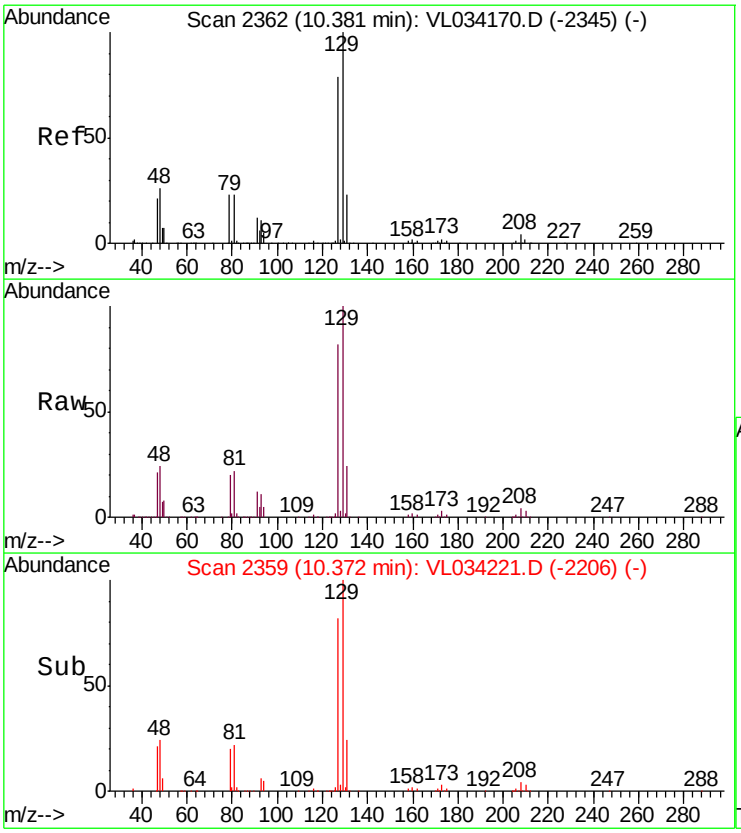
#47
1,1,2-Trichloroethane
Concen: 9.995 ppbv
RT: 9.54 min Scan# 2099
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 729931

Ion	Ratio	Lower	Upper
97	100		
83	93.5	75.3	112.9
85	61.2	52.1	78.1
99	62.9	50.2	75.2

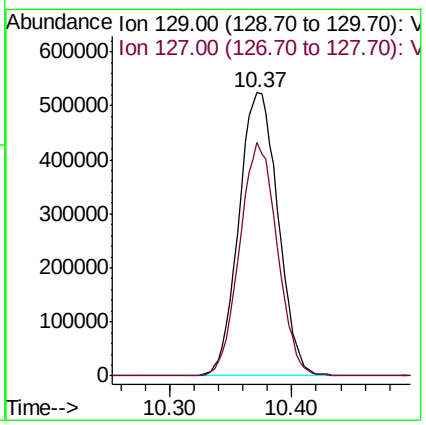


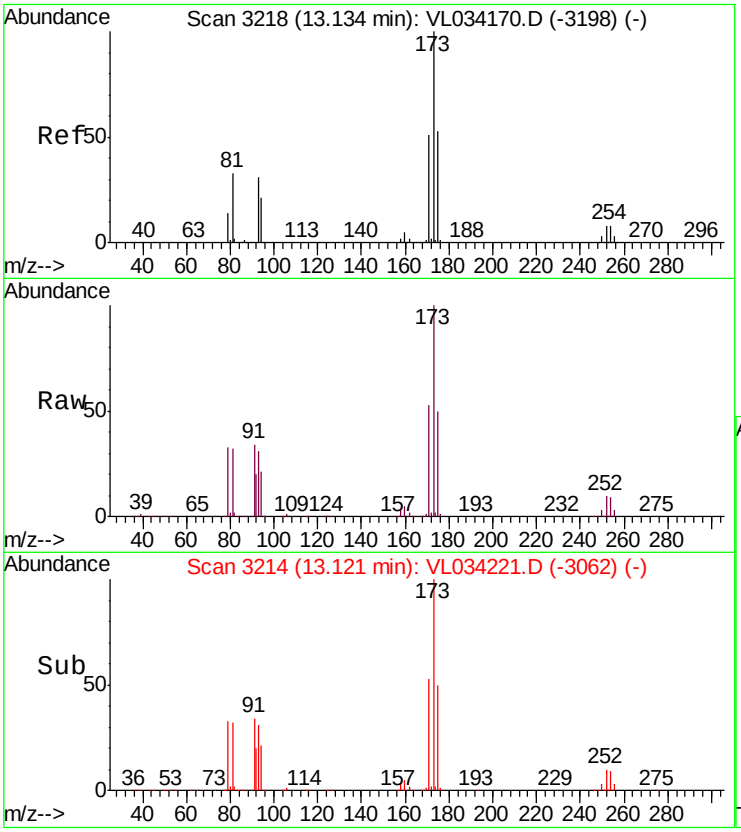


#48
Dibromochloromethane
Concen: 10.050 ppbv
RT: 10.37 min Scan# 2359
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:129 Resp: 1163254

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.2	117.6



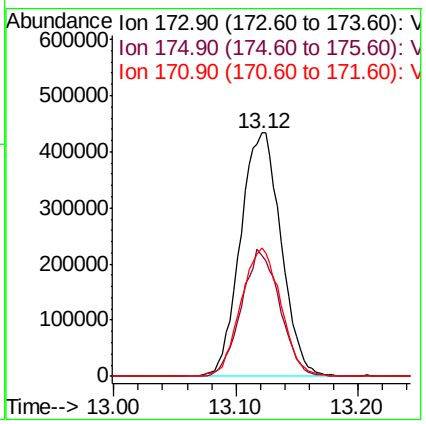


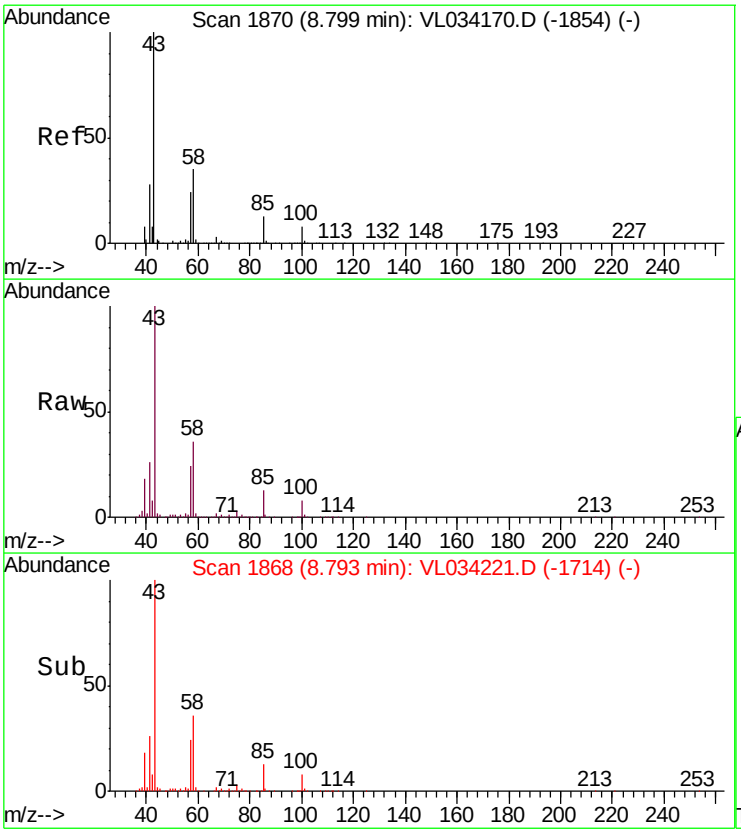
#49
Bromoform
Concen: 10.669 ppbv
RT: 13.12 min Scan# 3214
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 999355

Ion	Ratio	Lower	Upper
173	100		
175	49.2	40.3	60.5
171	51.8	42.0	63.0

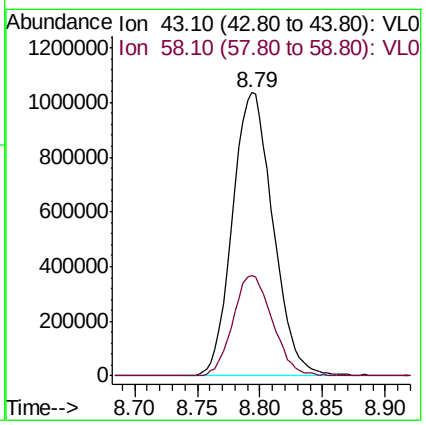


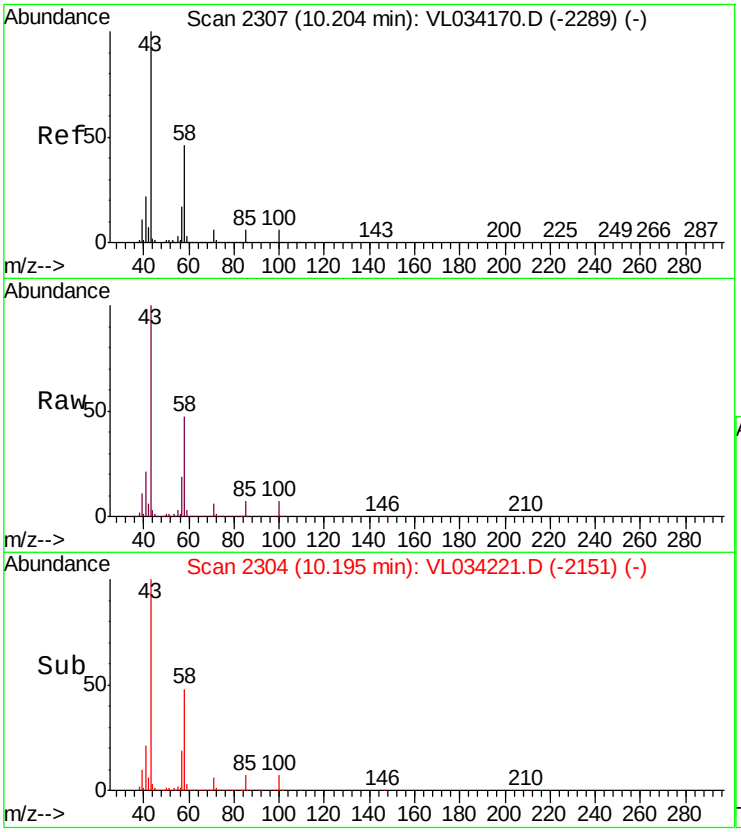


#50
4-Methyl-2-Pentanone
Concen: 9.542 ppbv
RT: 8.79 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 43 Resp: 2323981

Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.6	41.4



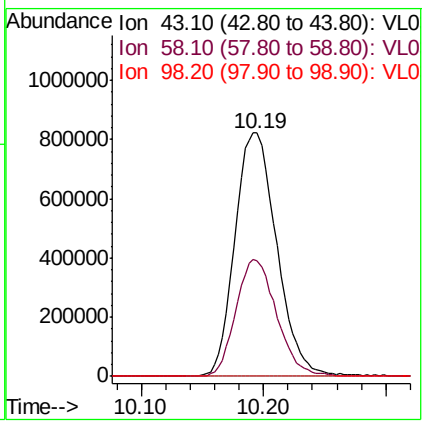


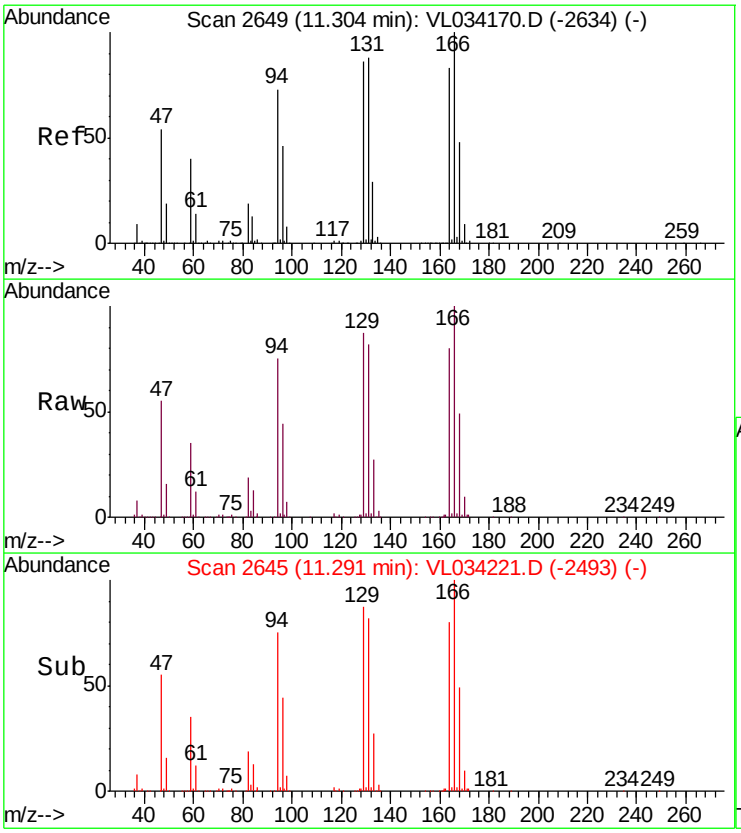
#51
2-Hexanone
Concen: 9.507 ppbv
RT: 10.19 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1943065

Ion	Ratio	Lower	Upper
43	100		
58	47.0	36.2	54.4
98	0.1	0.2	0.2#

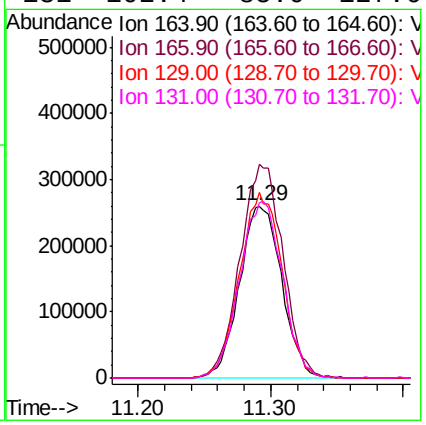


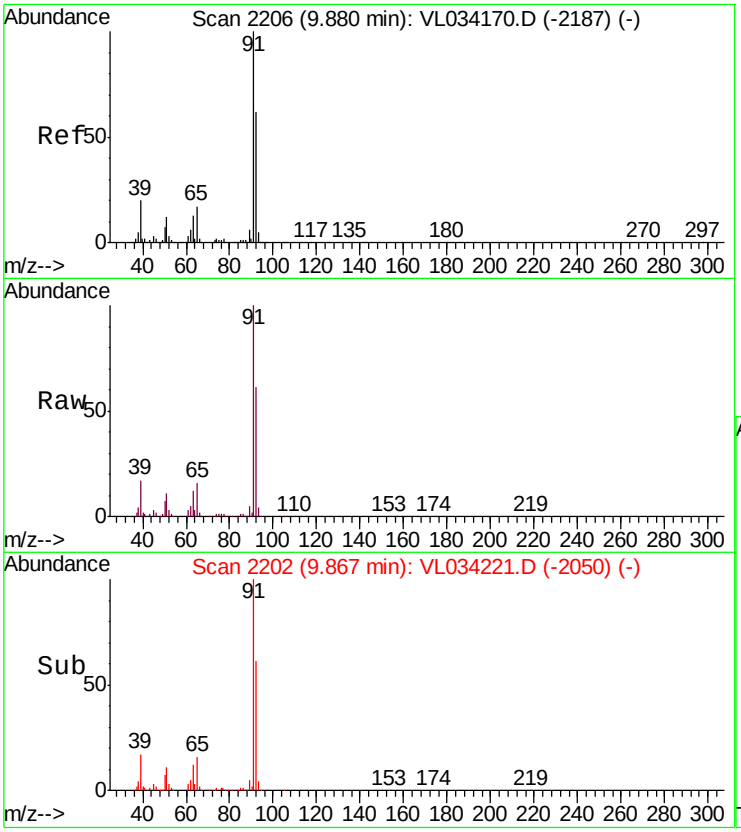


#52
Tetrachloroethene
Concen: 9.628 ppbv
RT: 11.29 min Scan# 2645
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:164 Resp: 575763

Ion	Ratio	Lower	Upper
164	100		
166	124.2	96.7	145.1
129	107.7	82.8	124.2
131	102.4	85.0	127.6



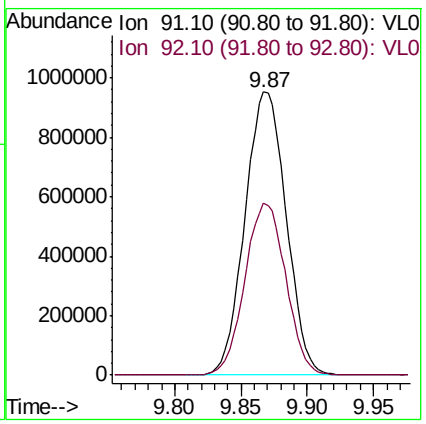


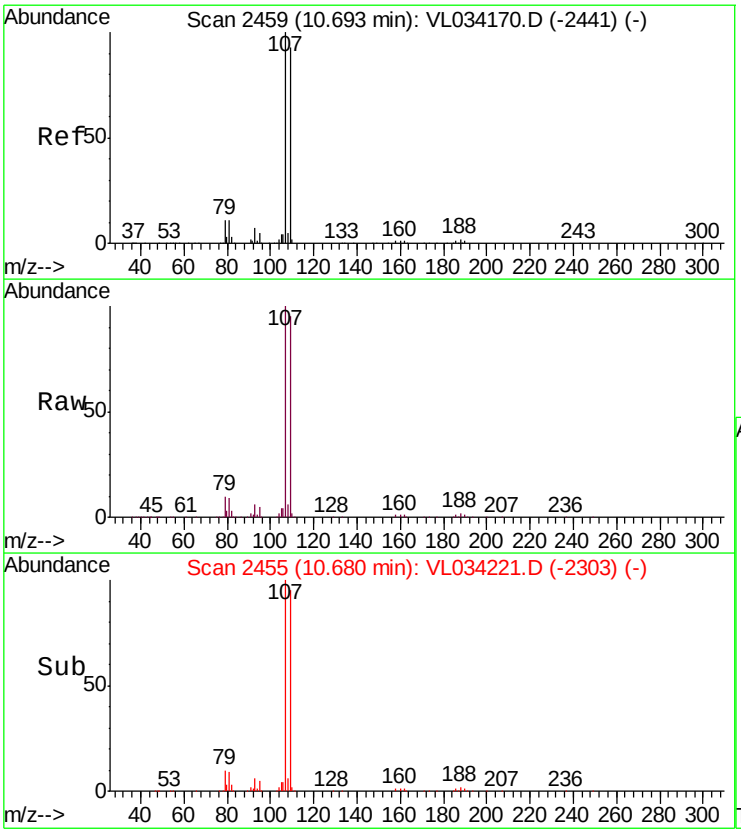
#53
Toluene
Concen: 10.426 ppbv
RT: 9.87 min Scan# 2202
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2062587

Ion	Ratio	Lower	Upper
91	100		
92	60.3	49.0	73.6

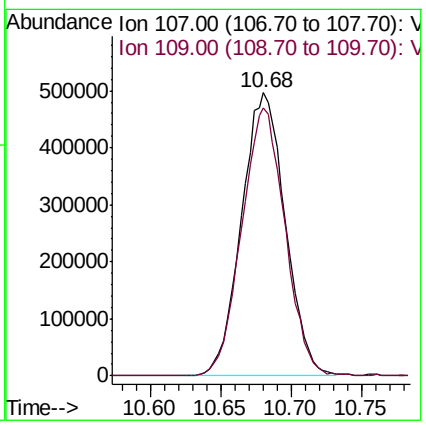


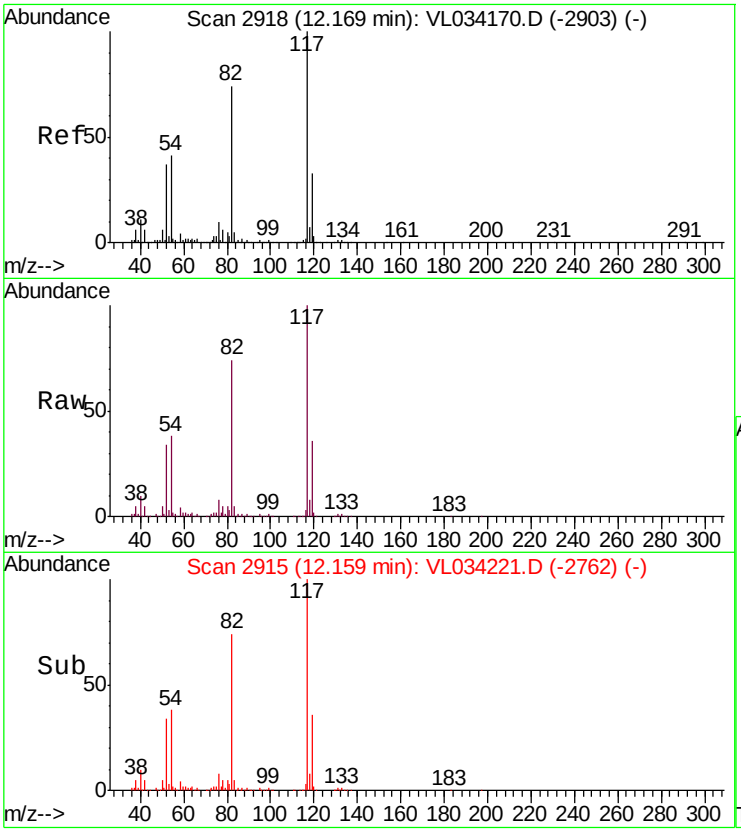


#54
1,2-Dibromoethane
Concen: 9.918 ppbv
RT: 10.68 min Scan# 2455
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:107 Resp: 1077146

Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.5	111.7



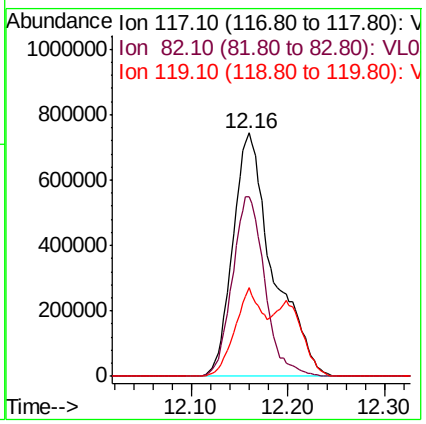


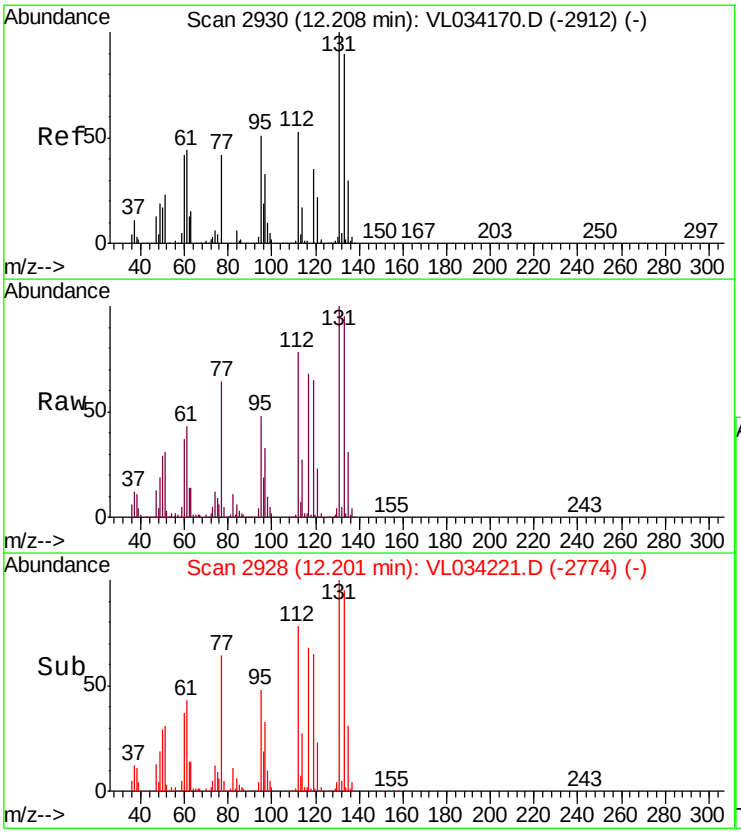
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 2145503

Ion	Ratio	Lower	Upper
117	100		
82	60.1	58.2	87.4
119	23.7	23.7	35.5#

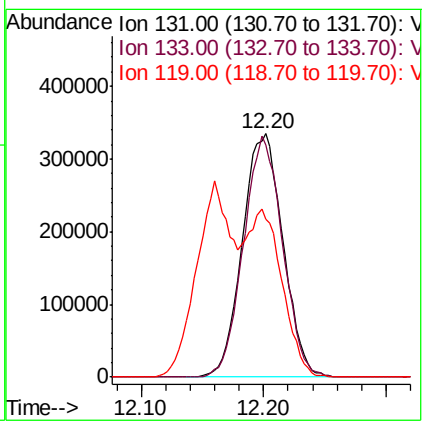


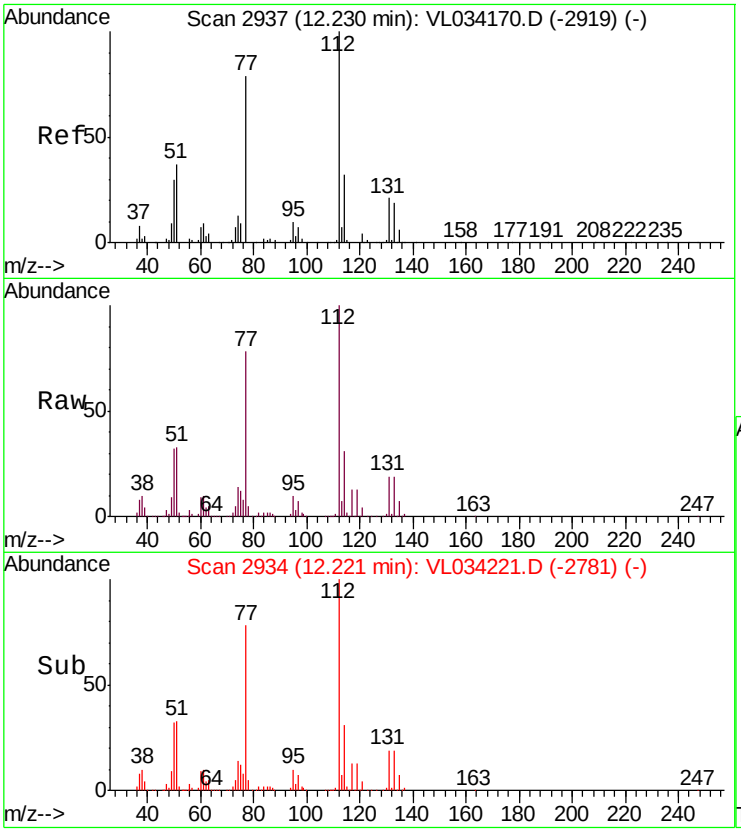


#56
1,1,1,2-Tetrachloroethane
Concen: 8.044 ppbv
RT: 12.20 min Scan# 2928
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:131 Resp: 769627

Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.1	112.7
119	59.3	47.4	71.0



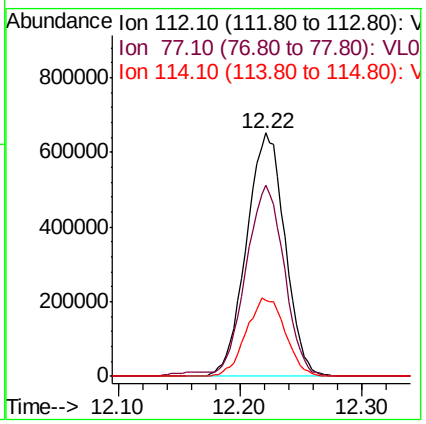


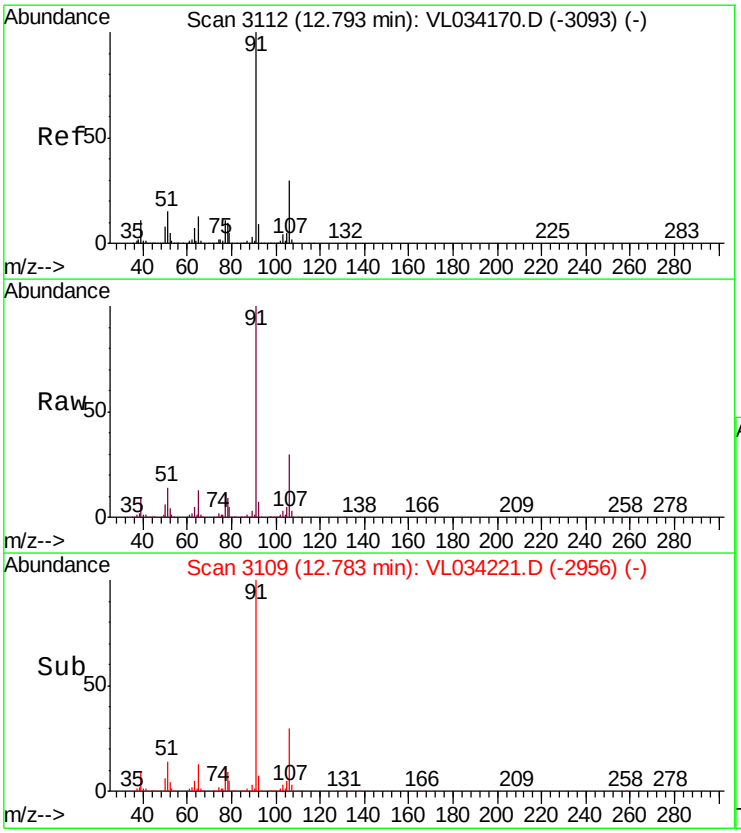
#57
Chlorobenzene
Concen: 7.617 ppbv
RT: 12.22 min Scan# 2934
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:112 Resp: 1422817

Ion	Ratio	Lower	Upper
112	100		
77	78.1	64.3	96.5
114	31.3	28.9	35.3

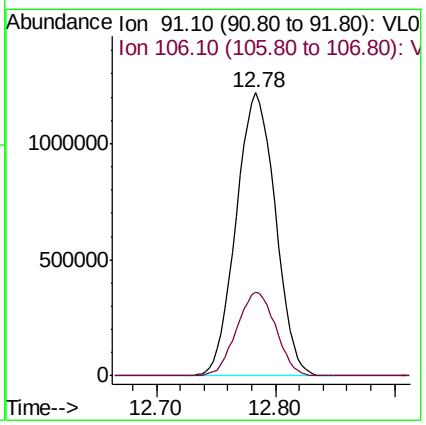


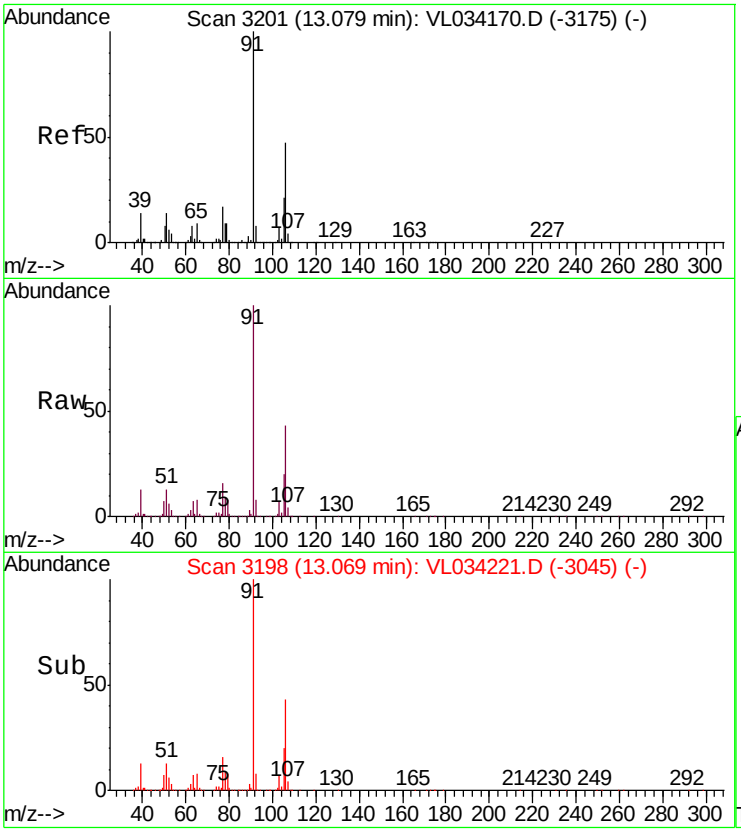


#58
Ethyl Benzene
Concen: 8.046 ppbv
RT: 12.78 min Scan# 3109
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 91 Resp: 2785558

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.2	36.4



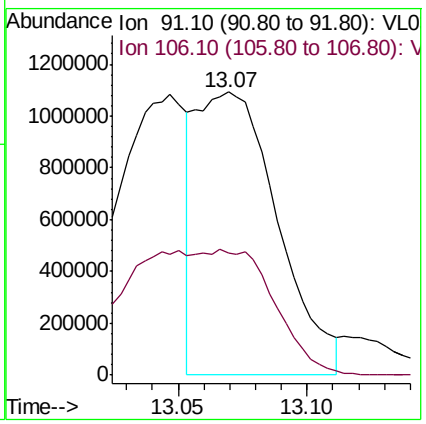


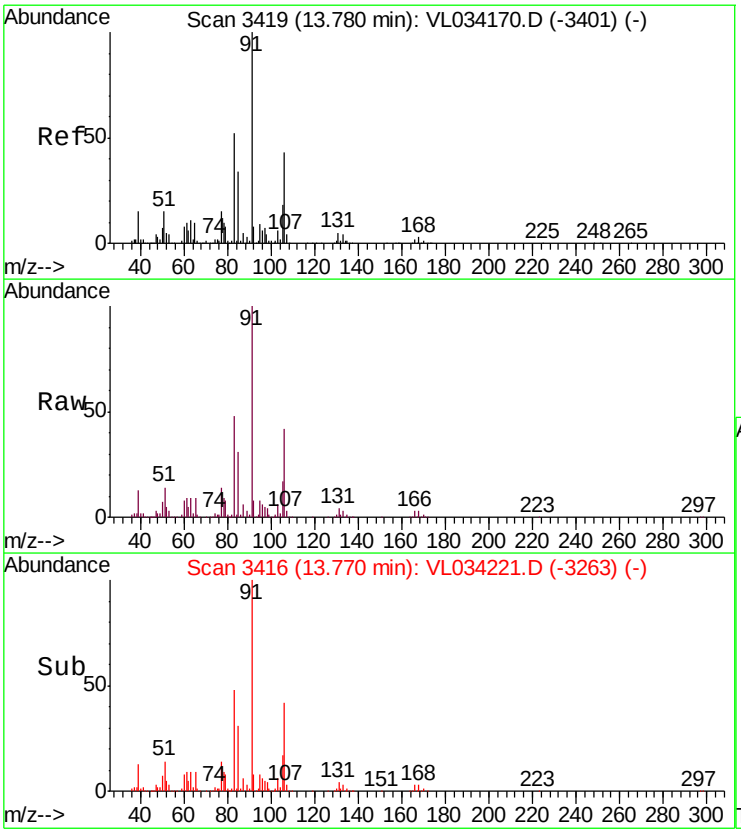
#59
m/p-Xylene
Concen: 8.325 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2386956

Ion	Ratio	Lower	Upper
91	100		
106	81.7	35.5	53.3#

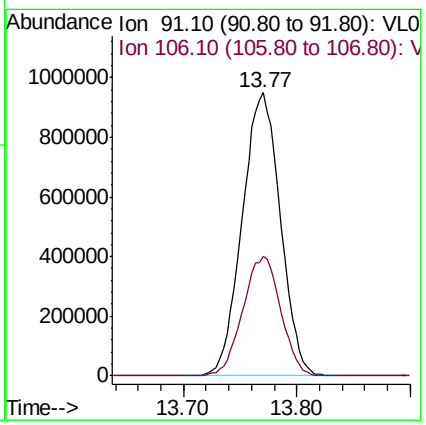


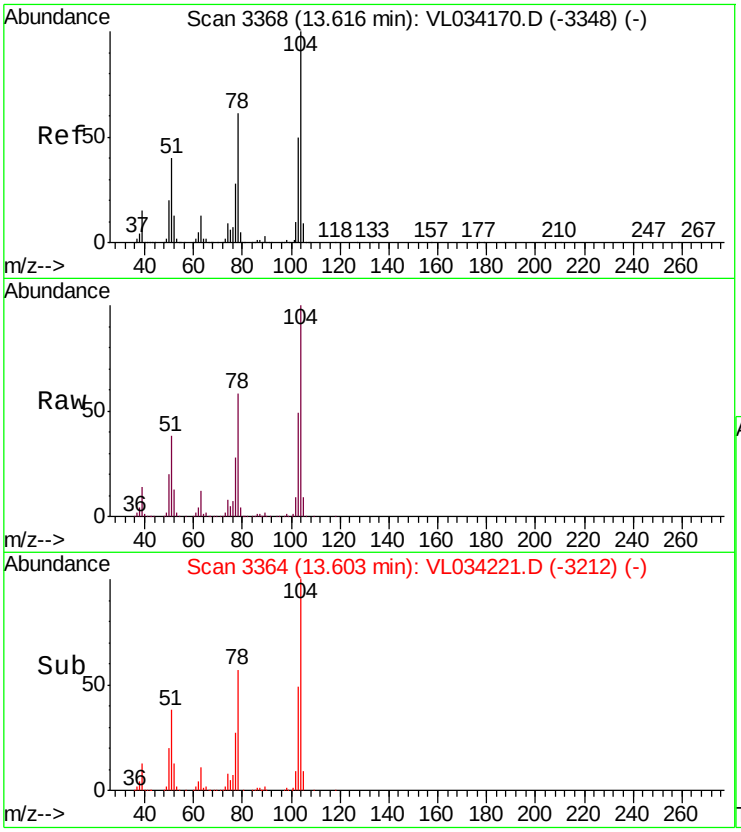


#60
o-Xylene
Concen: 7.758 ppbv
RT: 13.77 min Scan# 3416
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 91 Resp: 2224425

Ion	Ratio	Lower	Upper
91	100		
106	42.0	21.2	63.6



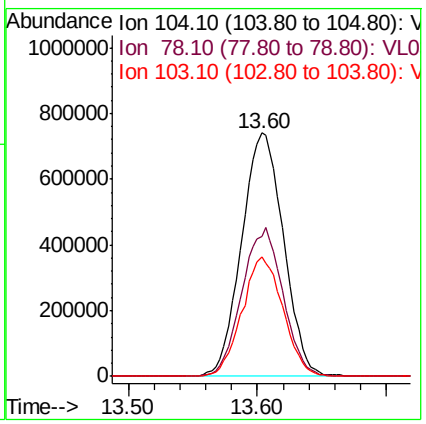


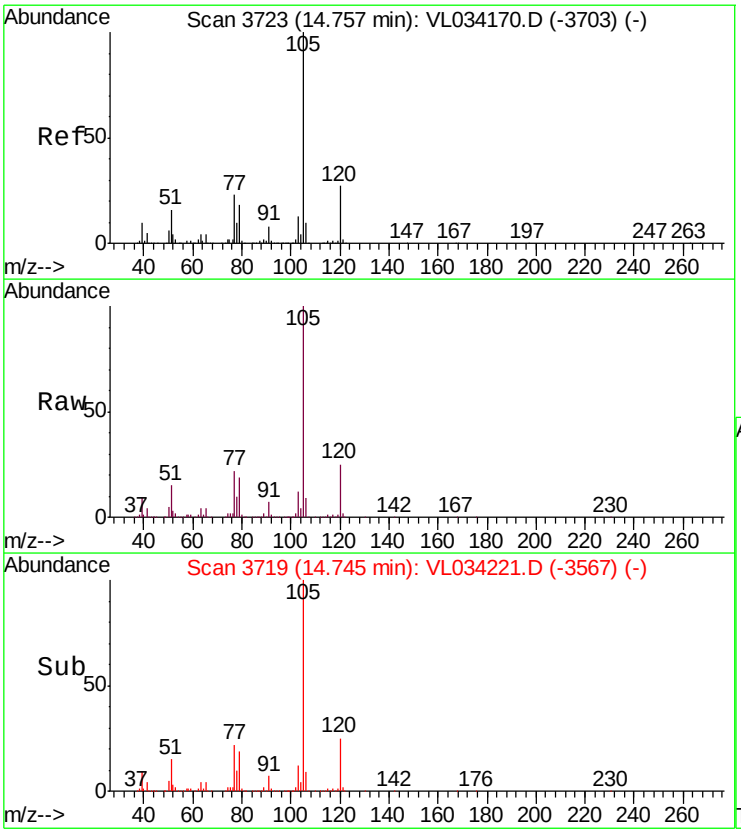
#61
Styrene
Concen: 8.167 ppbv
RT: 13.60 min Scan# 3364
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:104 Resp: 1677226

Ion	Ratio	Lower	Upper
104	100		
78	59.7	49.7	74.5
103	47.9	38.4	57.6

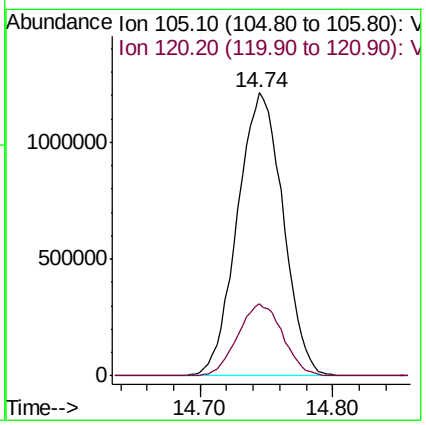


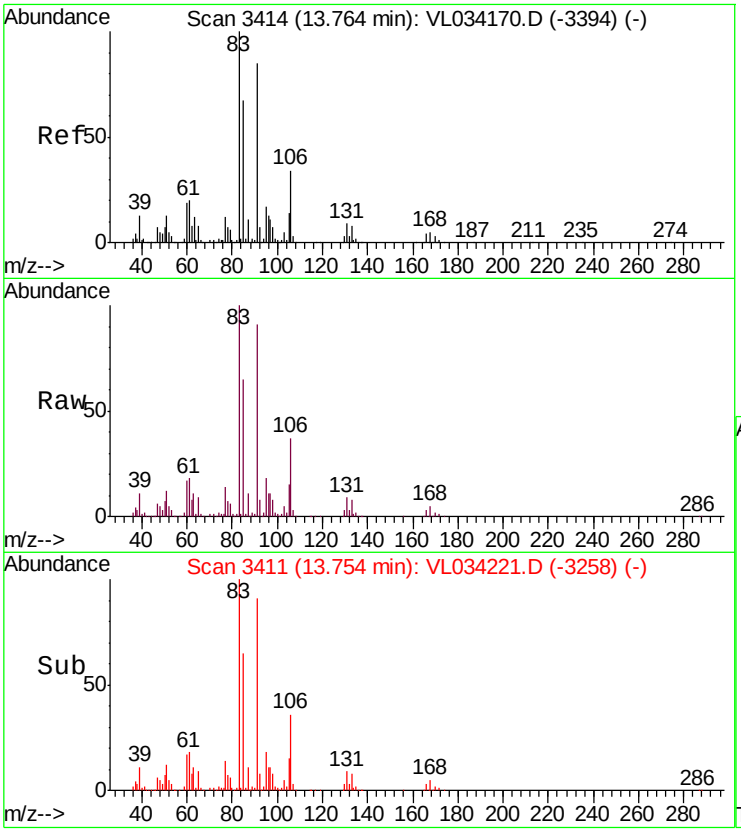


#62
Isopropylbenzene
Concen: 7.778 ppbv
RT: 14.74 min Scan# 3719
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:105 Resp: 2886817

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.7	31.1



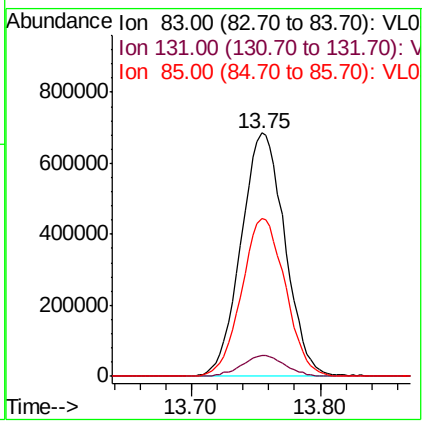


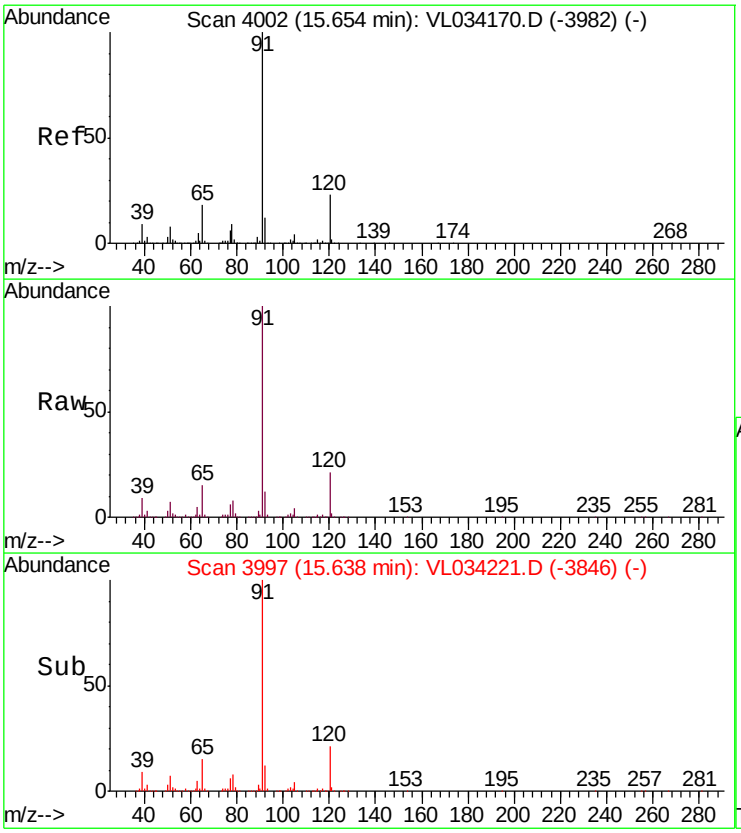
#63
1,1,2,2-Tetrachloroethane
Concen: 6.888 ppbv
RT: 13.75 min Scan# 3411
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1619528

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	65.0	32.8	98.4

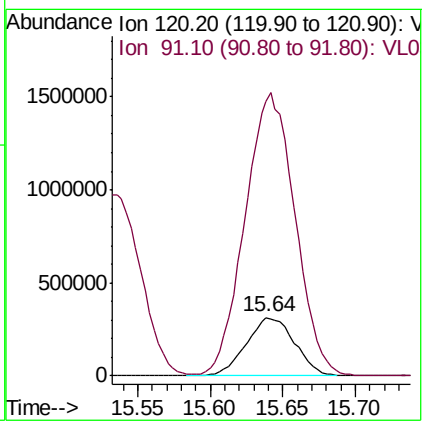


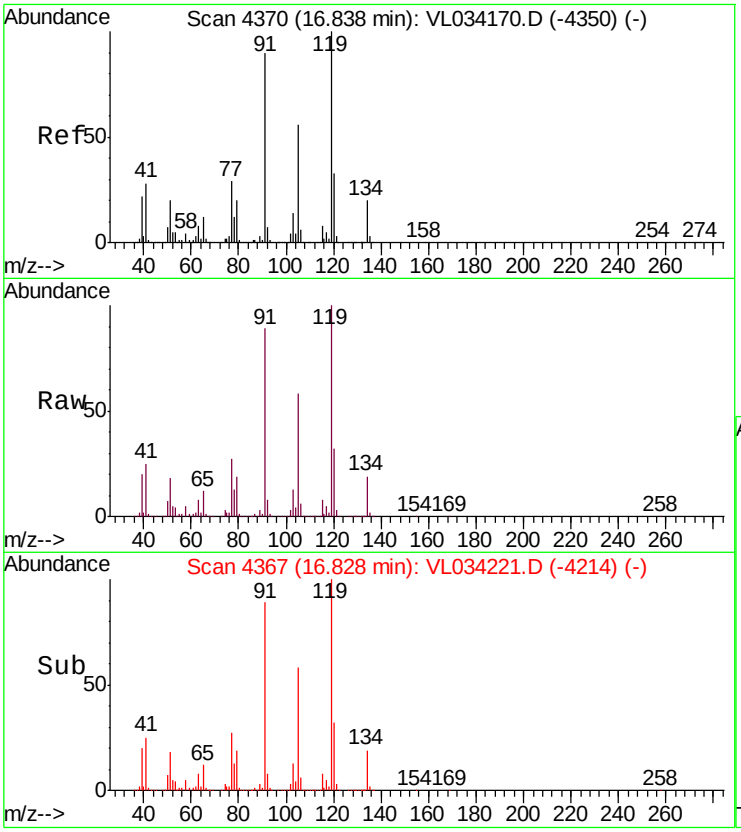


#64
n-propylbenzene
Concen: 7.772 ppbv
RT: 15.64 min Scan# 3997
Delta R.T. -0.02 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:120 Resp: 729803

Ion	Ratio	Lower	Upper
120	100		
91	501.3	378.2	567.2



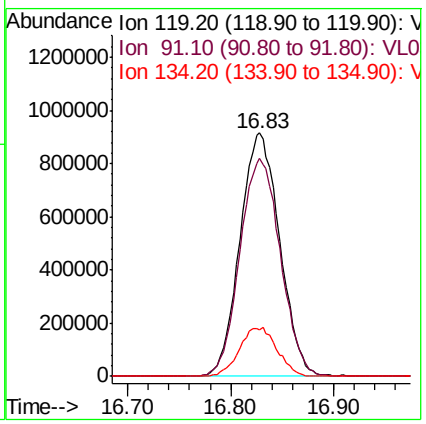


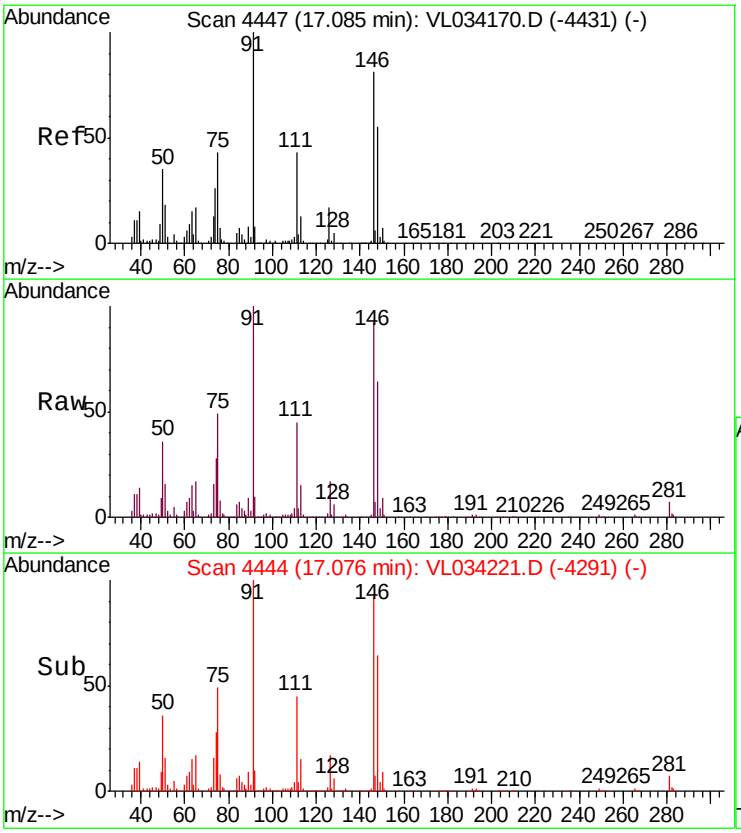
#65
tert-Butylbenzene
Concen: 7.539 ppbv
RT: 16.83 min Scan# 4367
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 2445026

Ion	Ratio	Lower	Upper
119	100		
91	91.7	74.9	112.3
134	19.0	15.8	23.6

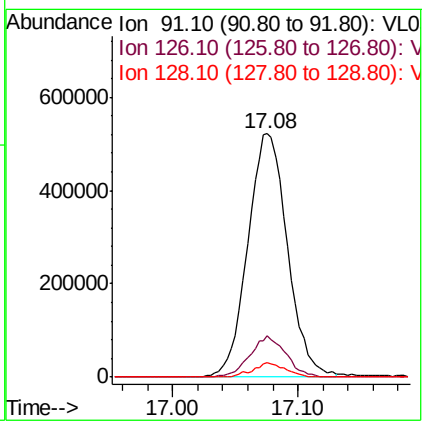


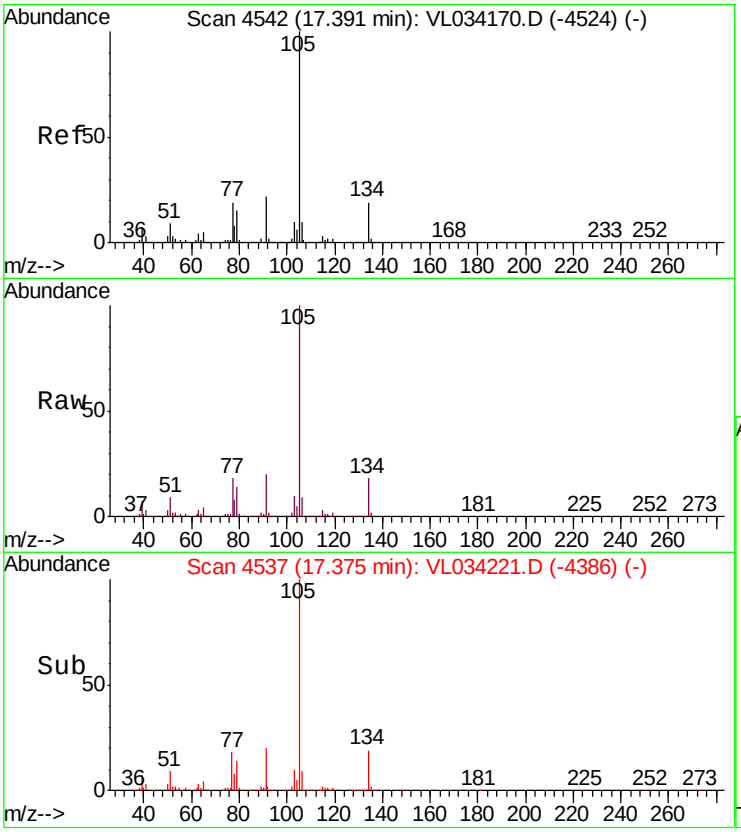


#66
Benzyl Chloride
Concen: 9.961 ppbv
RT: 17.08 min Scan# 4444
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 91 Resp: 1142871

Ion	Ratio	Lower	Upper
91	100		
126	15.6	12.6	19.0
128	5.0	4.0	6.0



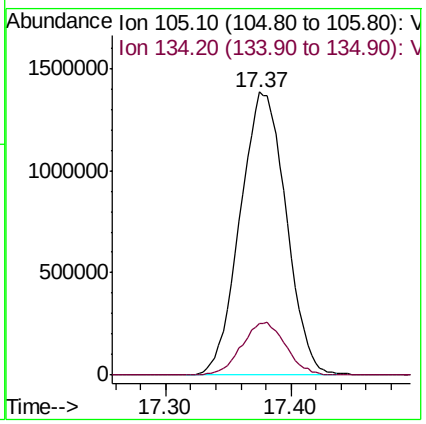


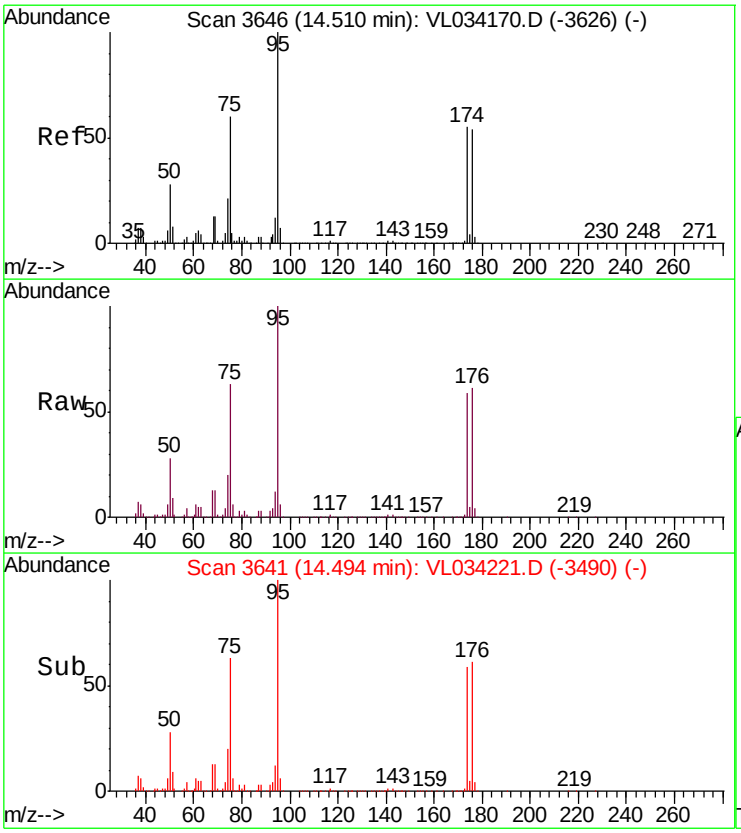
#67
sec-Butylbenzene
Concen: 7.596 ppbv
RT: 17.37 min Scan# 4537
Delta R.T. -0.02 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 3522764

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.6	22.0

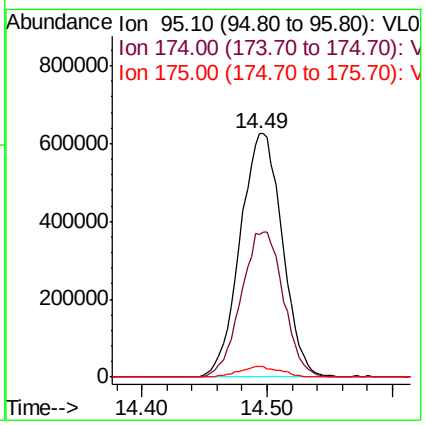


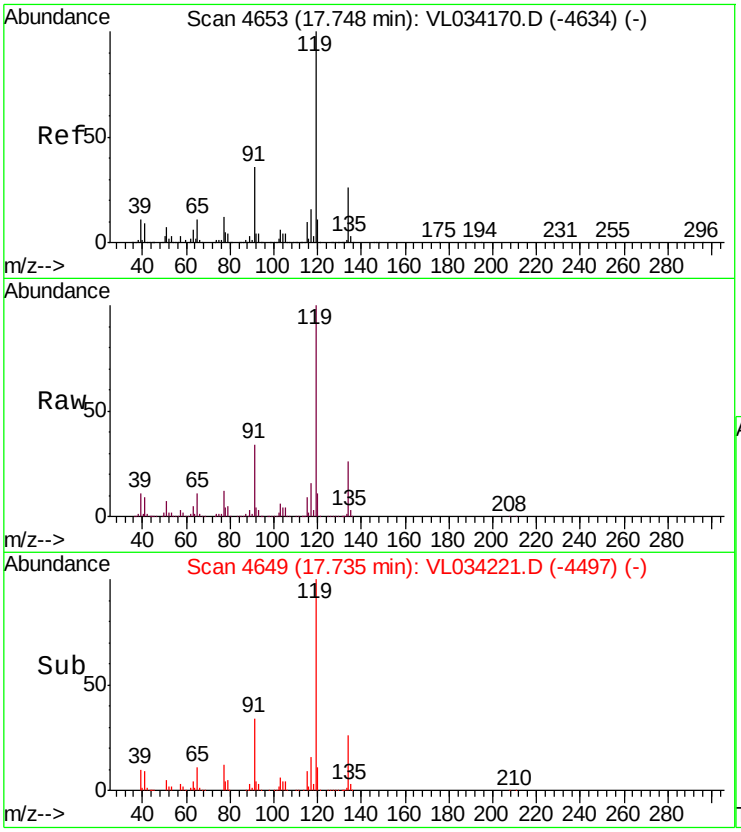


#68
1-Bromo-4-Fluorobenzene
Concen: 7.844 ppbv
RT: 14.49 min Scan# 3641
Delta R.T. -0.02 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 95 Resp: 1462421

Ion	Ratio	Lower	Upper
95	100		
174	59.7	45.1	67.7
175	4.3	3.3	4.9



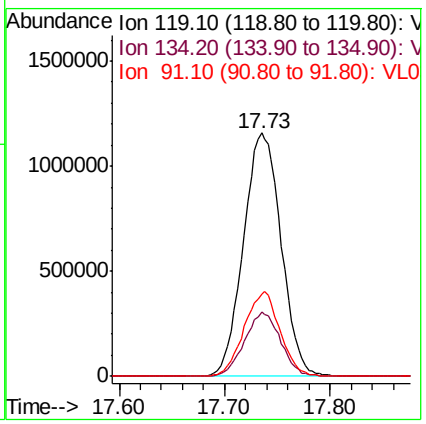


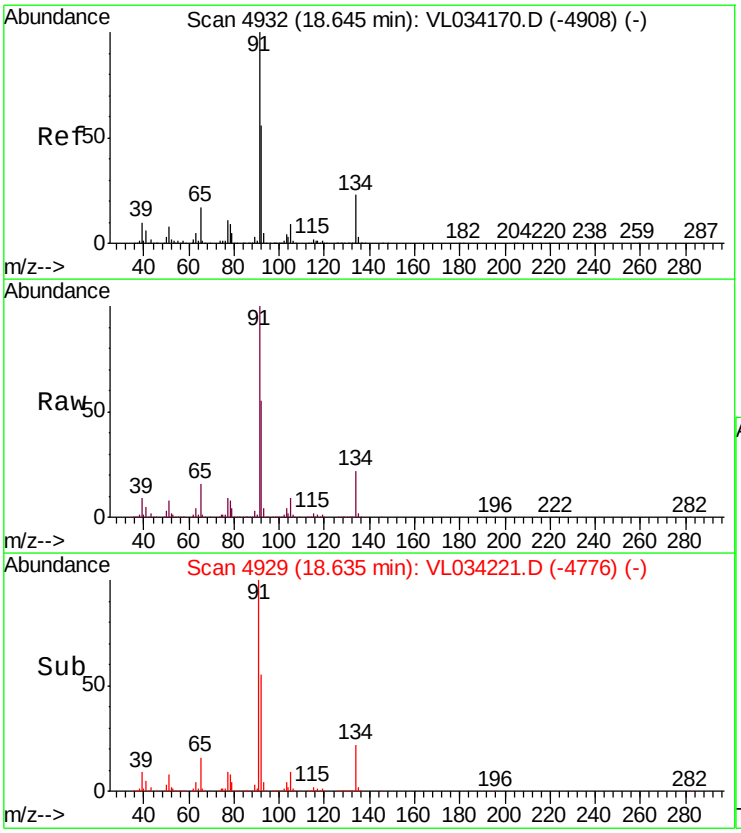
#69
p-Isopropyltoluene
Concen: 7.657 ppbv
RT: 17.73 min Scan# 4649
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 2875401

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	30.8
91	33.2	27.6	41.4

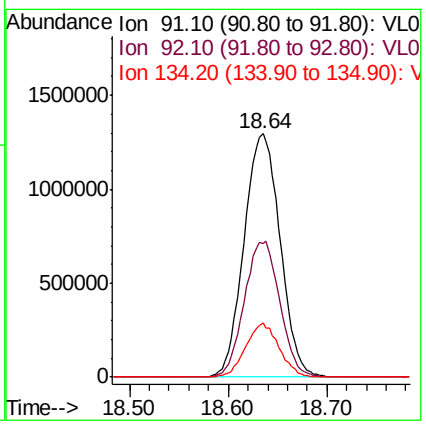


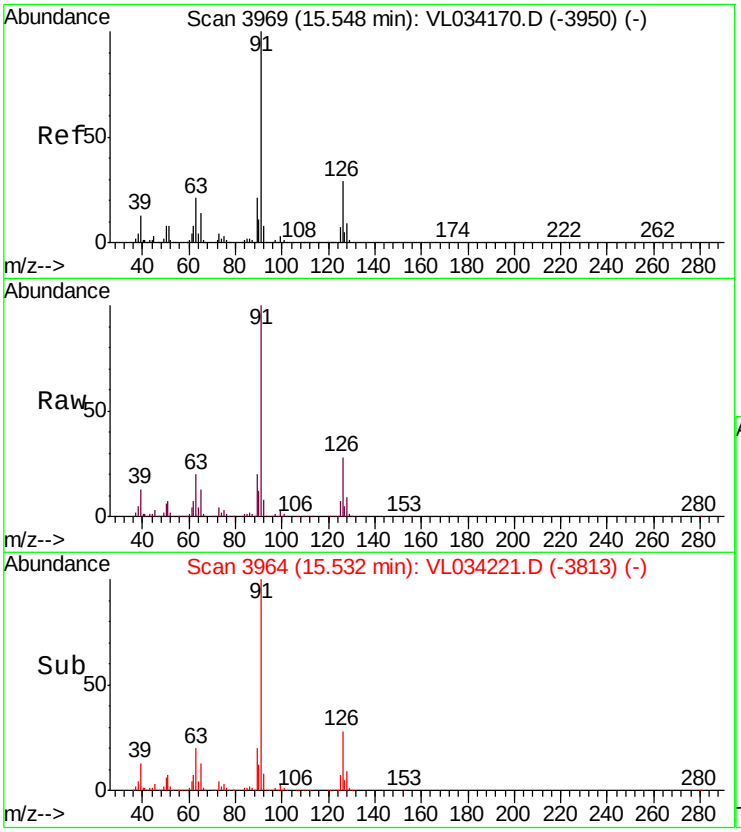


#70
n-Butylbenzene
Concen: 7.463 ppbv
RT: 18.64 min Scan# 4929
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion: 91 Resp: 3263420

Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.8	67.2
134	20.7	17.3	25.9



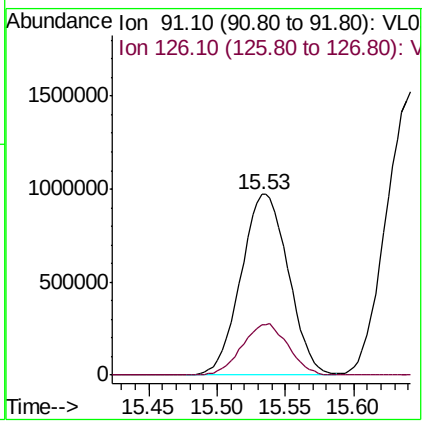


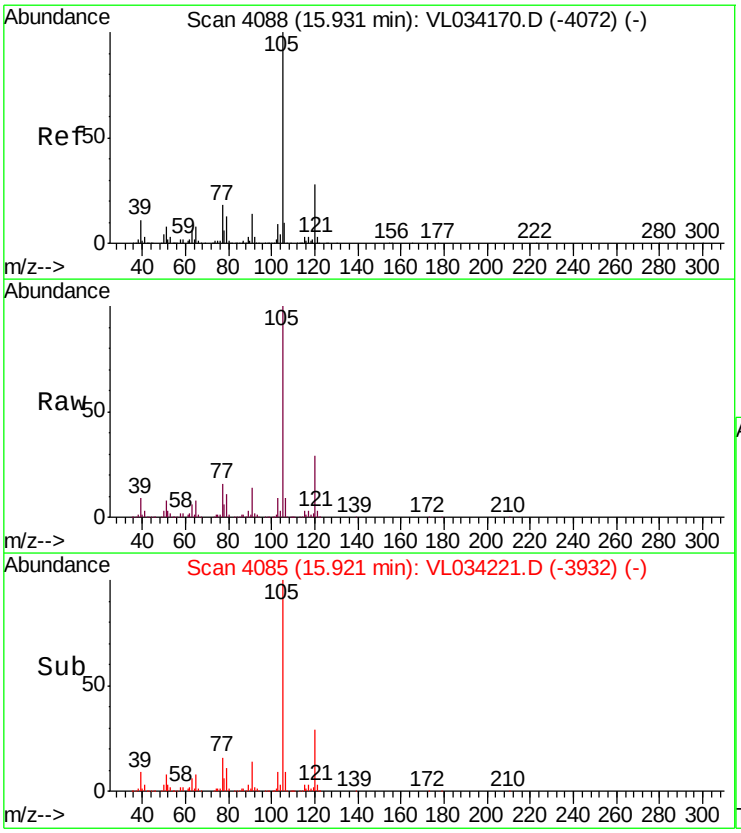
#71
2-Chlorotoluene
Concen: 7.708 ppbv
RT: 15.53 min Scan# 3964
Delta R.T. -0.02 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2337632

Ion	Ratio	Lower	Upper
91	100		
126	27.8	11.2	45.0

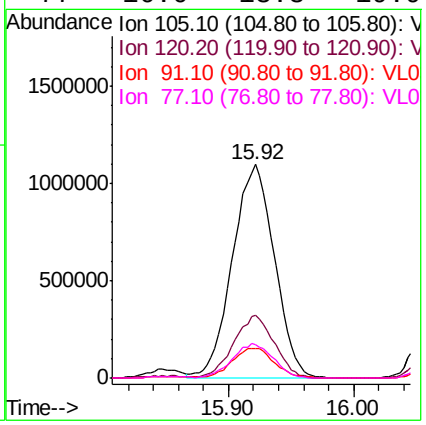


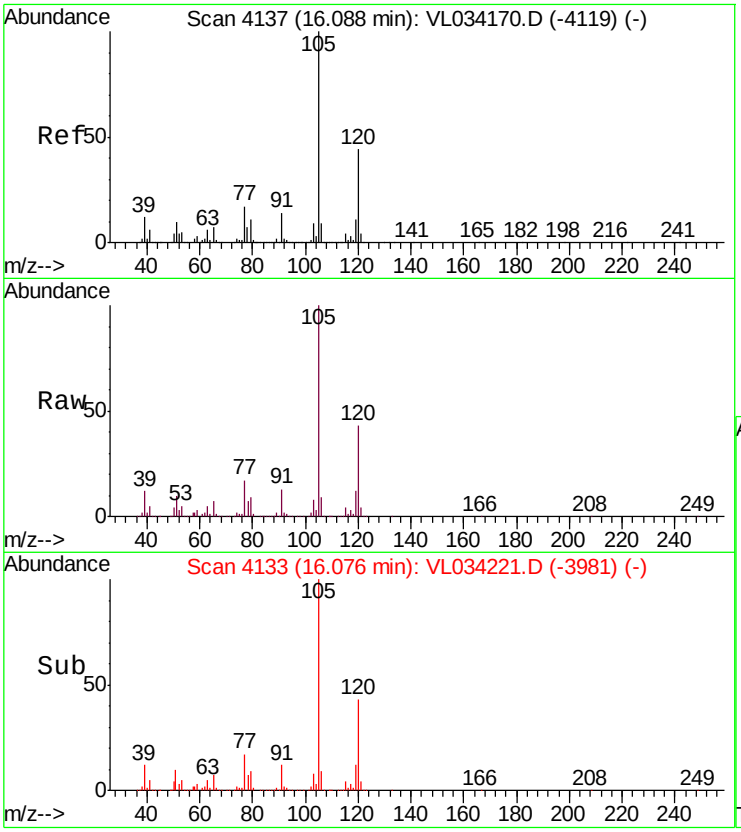


#72
4-Ethyltoluene
Concen: 7.865 ppbv
RT: 15.92 min Scan# 4085
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:105 Resp: 2547843

Ion	Ratio	Lower	Upper
105	100		
120	28.4	23.3	34.9
91	14.7	11.4	17.2
77	16.0	13.3	19.9



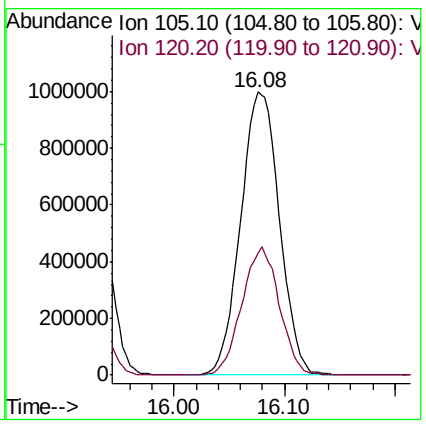


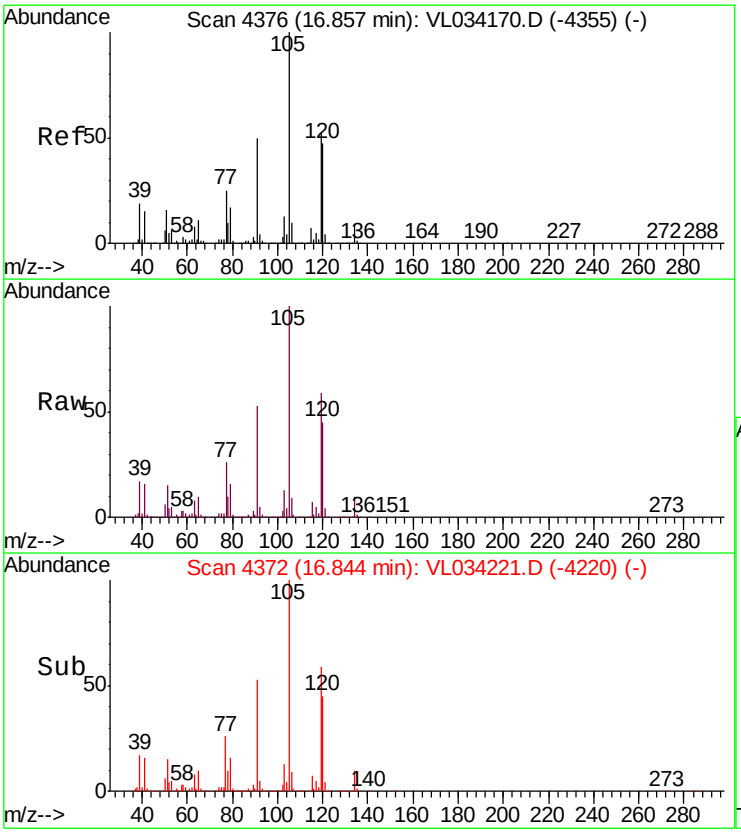
#73
1,3,5-Trimethylbenzene
Concen: 7.753 ppbv
RT: 16.08 min Scan# 4133
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 2426310

Ion	Ratio	Lower	Upper
105	100		
120	43.1	35.6	53.4

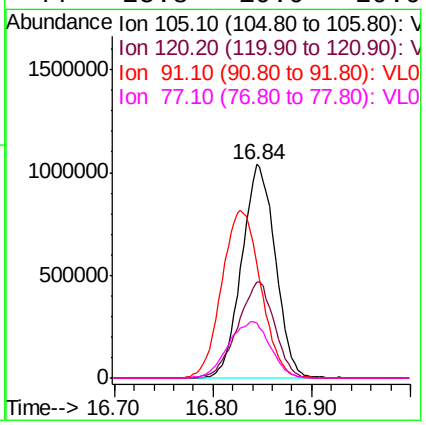


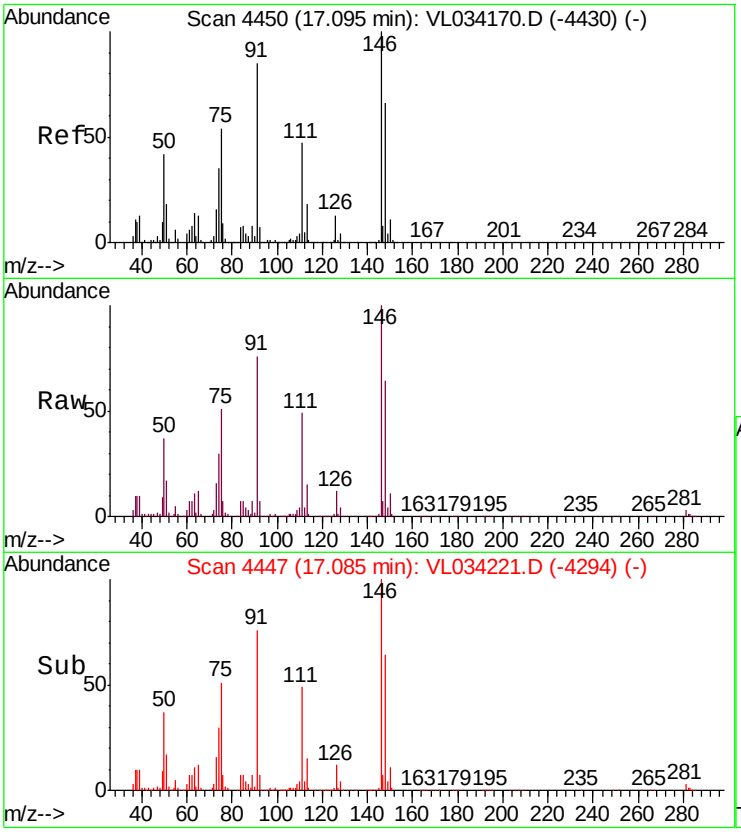


#74
1,2,4-Trimethylbenzene
Concen: 7.353 ppbv
RT: 16.84 min Scan# 4372
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:105 Resp: 2443159

Ion	Ratio	Lower	Upper
105	100		
120	44.7	37.5	56.3
91	53.3	41.1	61.7
77	25.8	19.9	29.9



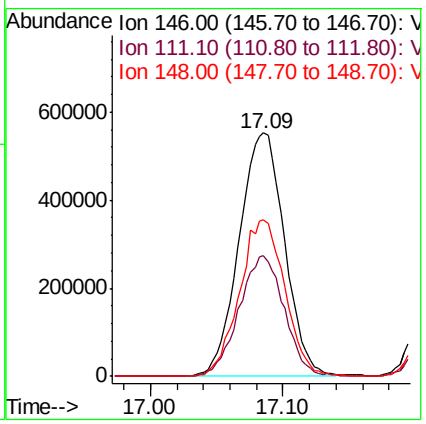


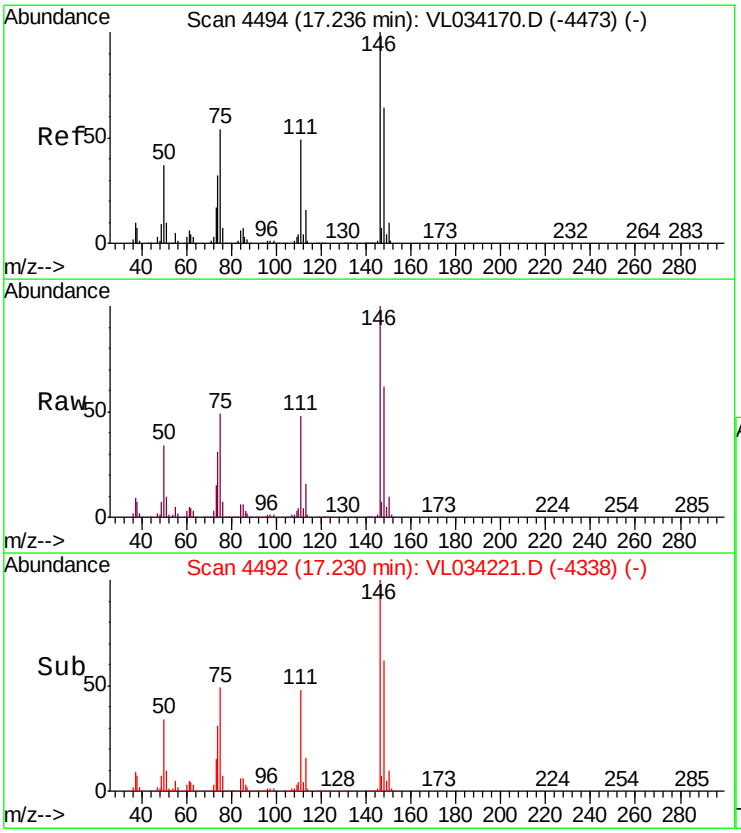
#75
1,3-Dichlorobenzene
Concen: 7.365 ppbv
RT: 17.09 min Scan# 4447
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1313040

Ion	Ratio	Lower	Upper
146	100		
111	49.5	25.9	77.8
148	64.3	32.6	97.7

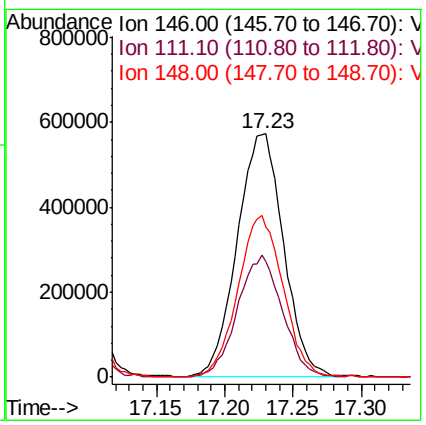


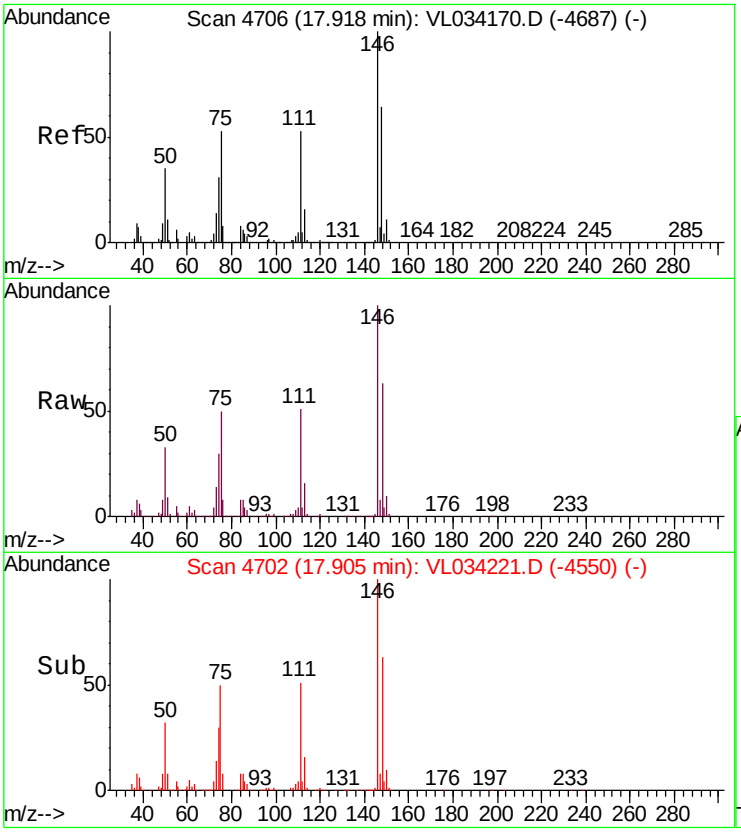


#76
1,4-Dichlorobenzene
Concen: 7.348 ppbv
RT: 17.23 min Scan# 4492
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:146 Resp: 1341619

Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.6	74.0
148	64.6	32.4	97.0



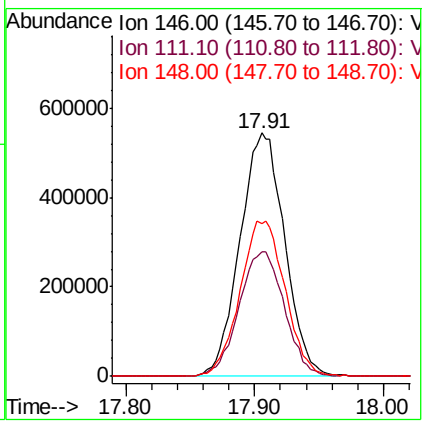


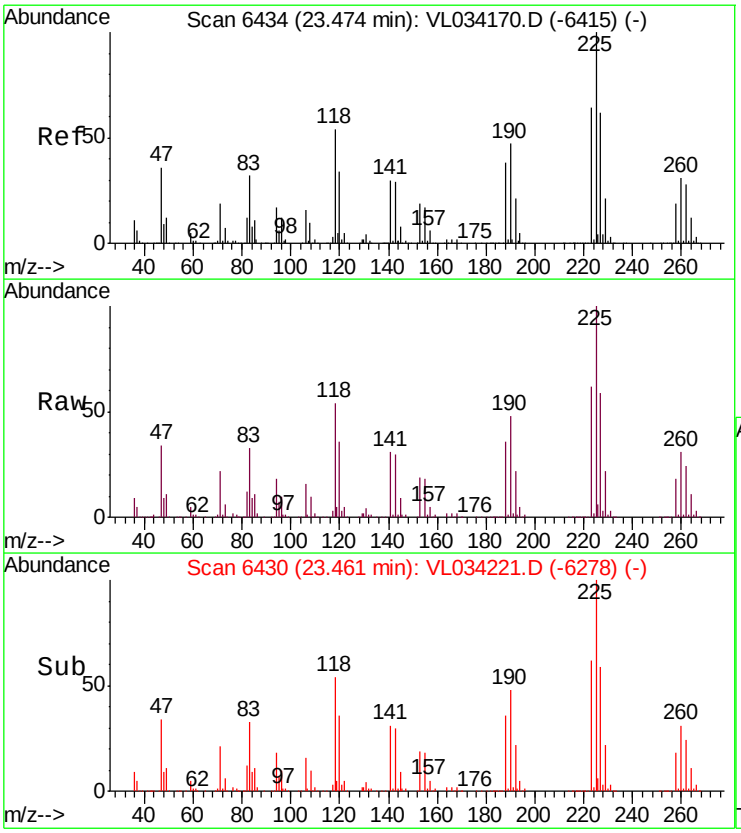
#77
1,2-Dichlorobenzene
Concen: 7.262 ppbv
RT: 17.91 min Scan# 4702
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:146 Resp: 1310321

Ion	Ratio	Lower	Upper
146	100		
111	52.2	26.1	78.3
148	64.7	31.9	95.9

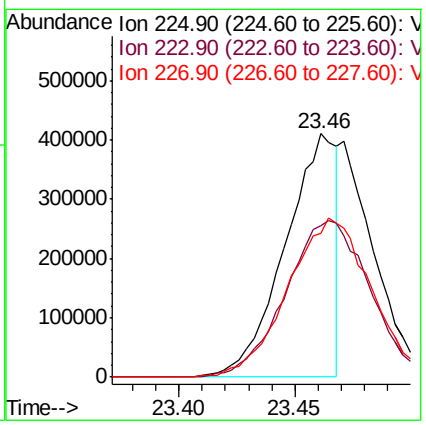


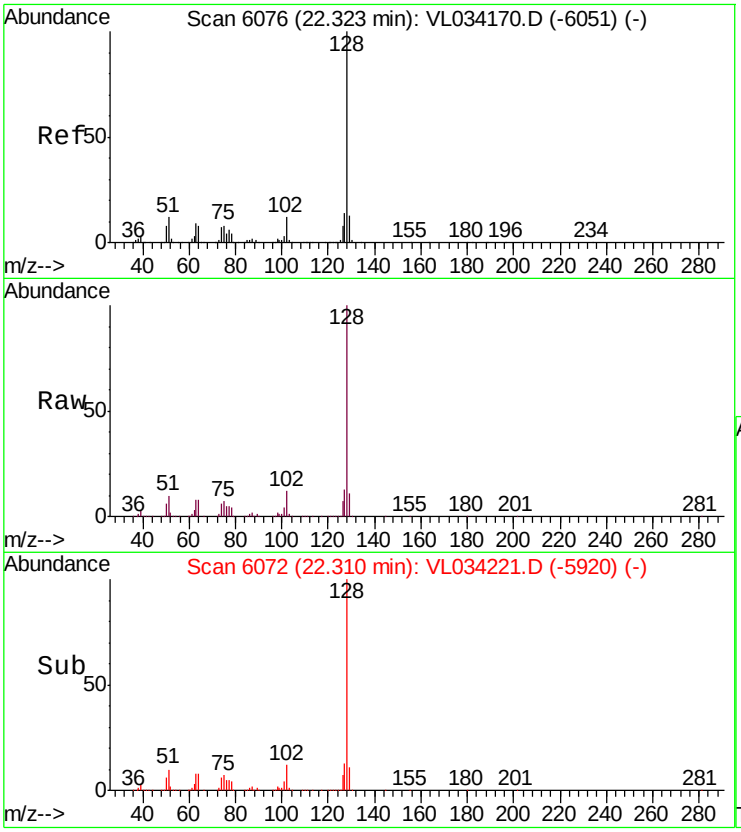


#78
Hexachloro-1,3-Butadiene
Concen: 5.268 ppbv
RT: 23.46 min Scan# 6430
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:225 Resp: 629660

Ion	Ratio	Lower	Upper
225	100		
223	105.4	51.7	77.5#
227	105.7	52.1	78.1#



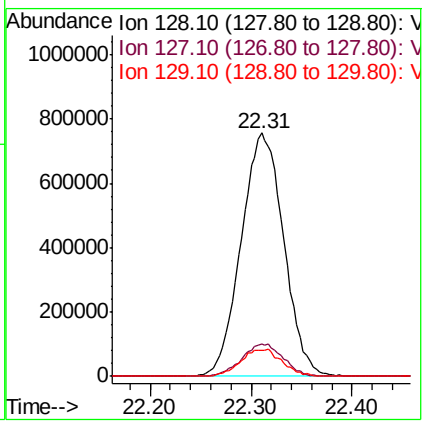


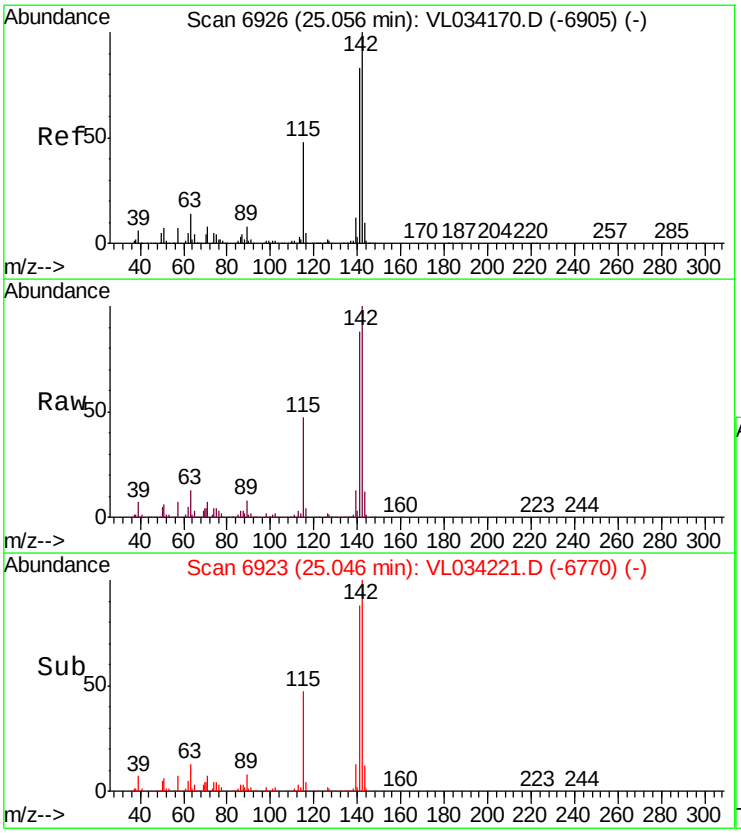
#79
Naphthalene
Concen: 7.554 ppbv
RT: 22.31 min Scan# 6072
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 2209720

Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.1	16.7
129	10.7	10.2	15.4

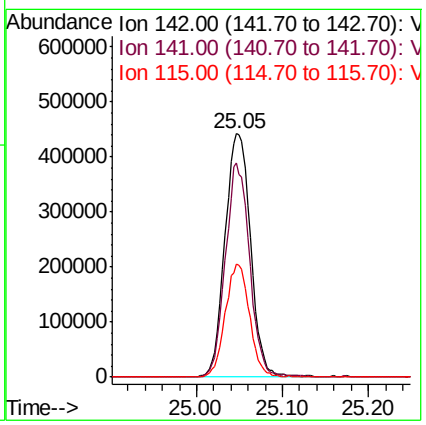


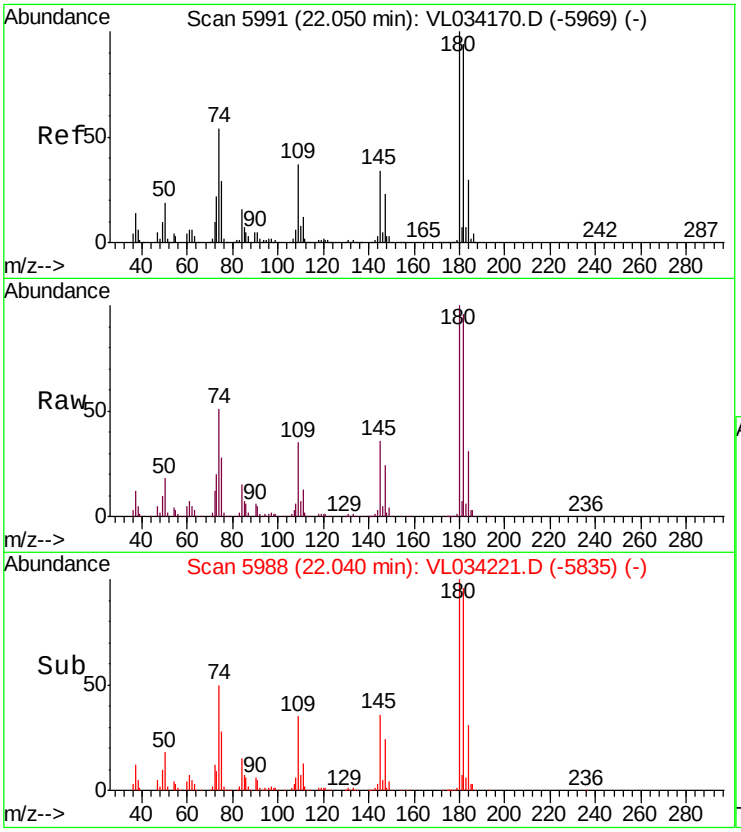


#80
Naphthalene,2-methyl-
Concen: 6.732 ppbv
RT: 25.05 min Scan# 6923
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Tgt Ion:142 Resp: 915828

Ion	Ratio	Lower	Upper
142	100		
141	83.2	67.6	101.4
115	43.9	36.9	55.3





#81
1,2,4-Trichlorobenzene
Concen: 7.535 ppbv
RT: 22.04 min Scan# 5988
Delta R.T. -0.01 min
Lab File: VL034221.D
Acq: 2 Oct 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1220952

Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.4	116.2
184	30.4	25.0	37.4