Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034251.D
Acq On : 8 Oct 2019 14:51
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 09 05:19:25 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	5.69	49	1022897	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1791958	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.16	117	2327280	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1641587	8.12	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1790384	11.849	ppbv	98
3) Chlorodifluoromethane	2.96	51	1242800	10.362	ppbv	99
4) Chloromethane	3.12	50	727042	10.316	ppbv	98
5) Vinyl Chloride	3.24	62	645798	10.026	ppbv	94
6) Bromomethane	3.46	94	320850	10.677	ppbv	92
7) Chloroethane	3.55	64	243750	10.827	ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	1401938	10.513	ppbv	97
9) Propene	2.99	41	582840	9.850	ppbv	100
10) Heptane	8.17	43	1549049	10.045	ppbv	100
11) Trichlorofluoromethane	3.94	101	1470819	10.694	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	970746	10.785	ppbv	100
13) Ethanol	3.59	45	118670	8.282	ppbv	94
14) Bromoethene	3.73	108	401845	10.920	ppbv	99
15) Acetone	3.84	43	1234715	9.006	ppbv	99
16) 1,3-Butadiene	3.31	39	638932	10.679	ppbv	99
17) tert-Butyl alcohol	4.29	59	956855	11.015	ppbv	99
18) 1,1-Dichloroethene	4.29	96	434428	11.066	ppbv	90
19) Isopropyl Alcohol	3.96	45	834417	9.898	ppbv	100
20) Methylene Chloride	4.35	84	392438	9.928	ppbv	95
21) Allyl Chloride	4.41	41	842677	10.882	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	429647	10.939	ppbv	98
23) Vinyl Acetate	5.09	43	2041618	10.106	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1371386	10.082	ppbv	100
25) Ethyl Acetate	5.70	43	2541796	9.805	ppbv	100
26) Hexane	5.71	57	1081009	10.024	ppbv	99
27) Carbon Disulfide	4.56	76	1160892	11.672	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1685062	10.521	ppbv	99
29) Chloroform	5.78	83	1597715	10.368	ppbv	98
30) Cyclohexane	7.17	84	791254	10.163	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1141834	10.386	ppbv	98
32) 1,1,1-Trichloroethane	6.55	97	1540571	10.366	ppbv	99
34) 2-Butanone	5.26	43	1746084	9.543	ppbv	99
35) Carbon Tetrachloride	7.06	117	1553576	10.435	ppbv	97
36) Benzene	6.93	78	1917428	9.688	ppbv	99
37) 1,2-Dichloroethane	6.34	62	1448540	10.290	ppbv	99
38) Trichloroethene	7.89	130	662912	9.375	ppbv	97
39) 1,2-Dichloropropane	7.65	63	846598	9.521	ppbv	99
40) 1,4-Dioxane	7.87	88	270914	9.414	ppbv #	92
41) Tetrahydrofuran	6.07	42	1014371	9.843	ppbv	99
42) Bromodichloromethane	7.84	83	1760149	10.419	ppbv	98
43) Methyl Methacrylate	8.06	69	840282	10.278	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034251.D
Acq On : 8 Oct 2019 14:51
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 09 05:19:25 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	7.91	57	3626993	9.520	ppbv		100
45) t-1,3-Dichloropropene	9.33	75	1105271	11.434	ppbv		100
46) cis-1,3-Dichloropropene	8.75	75	1265842	10.886	ppbv		98
47) 1,1,2-Trichloroethane	9.53	97	768018	9.618	ppbv		97
48) Dibromochloromethane	10.37	129	1313911	10.382	ppbv		99
49) Bromoform	13.12	173	1073128	10.478	ppbv		99
50) 4-Methyl-2-Pentanone	8.79	43	2562429	9.623	ppbv		98
51) 2-Hexanone	10.19	43	2175069	9.733	ppbv		99
52) Tetrachloroethene	11.29	164	593649	9.079	ppbv		96
53) Toluene	9.86	91	2141975	9.903	ppbv		99
54) 1,2-Dibromoethane	10.68	107	1183887	9.970	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.20	131	865096	8.335	ppbv		97
57) Chlorobenzene	12.21	112	1548141	7.640	ppbv		97
58) Ethyl Benzene	12.78	91	2928150	7.798	ppbv		99
59) m/p-Xylene	13.06	91	2547200	8.190	ppbv	#	44
60) o-Xylene	13.76	91	2429533	7.812	ppbv		98
61) Styrene	13.60	104	1762366	7.911	ppbv		99
62) Isopropylbenzene	14.74	105	3135490	7.788	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.75	83	1757198	6.890	ppbv		100
64) n-propylbenzene	15.64	120	793794	7.793	ppbv		91
65) tert-Butylbenzene	16.82	119	2648865	7.530	ppbv		98
66) Benzyl Chloride	17.07	91	1284627	10.322	ppbv		98
67) sec-Butylbenzene	17.37	105	3881580	7.716	ppbv		99
69) p-Isopropyltoluene	17.73	119	3135637	7.698	ppbv		99
70) n-Butylbenzene	18.63	91	3552366	7.490	ppbv		98
71) 2-Chlorotoluene	15.53	91	2532197	7.698	ppbv		100
72) 4-Ethyltoluene	15.91	105	2743035	7.806	ppbv		98
73) 1,3,5-Trimethylbenzene	16.08	105	2655162	7.822	ppbv		96
74) 1,2,4-Trimethylbenzene	16.84	105	2690712	7.465	ppbv		95
75) 1,3-Dichlorobenzene	17.08	146	1437451	7.433	ppbv		99
76) 1,4-Dichlorobenzene	17.22	146	1456218	7.353	ppbv		99
77) 1,2-Dichlorobenzene	17.90	146	1419920	7.254	ppbv		99
78) Hexachloro-1,3-Butadiene	23.46	225	974020	7.513	ppbv		98
79) Naphthalene	22.31	128	2317554	7.304	ppbv		98
80) Naphthalene,2-methyl-	25.04	142	941089	6.377	ppbv		99
81) 1,2,4-Trichlorobenzene	22.03	180	1274136	7.249	ppbv		99

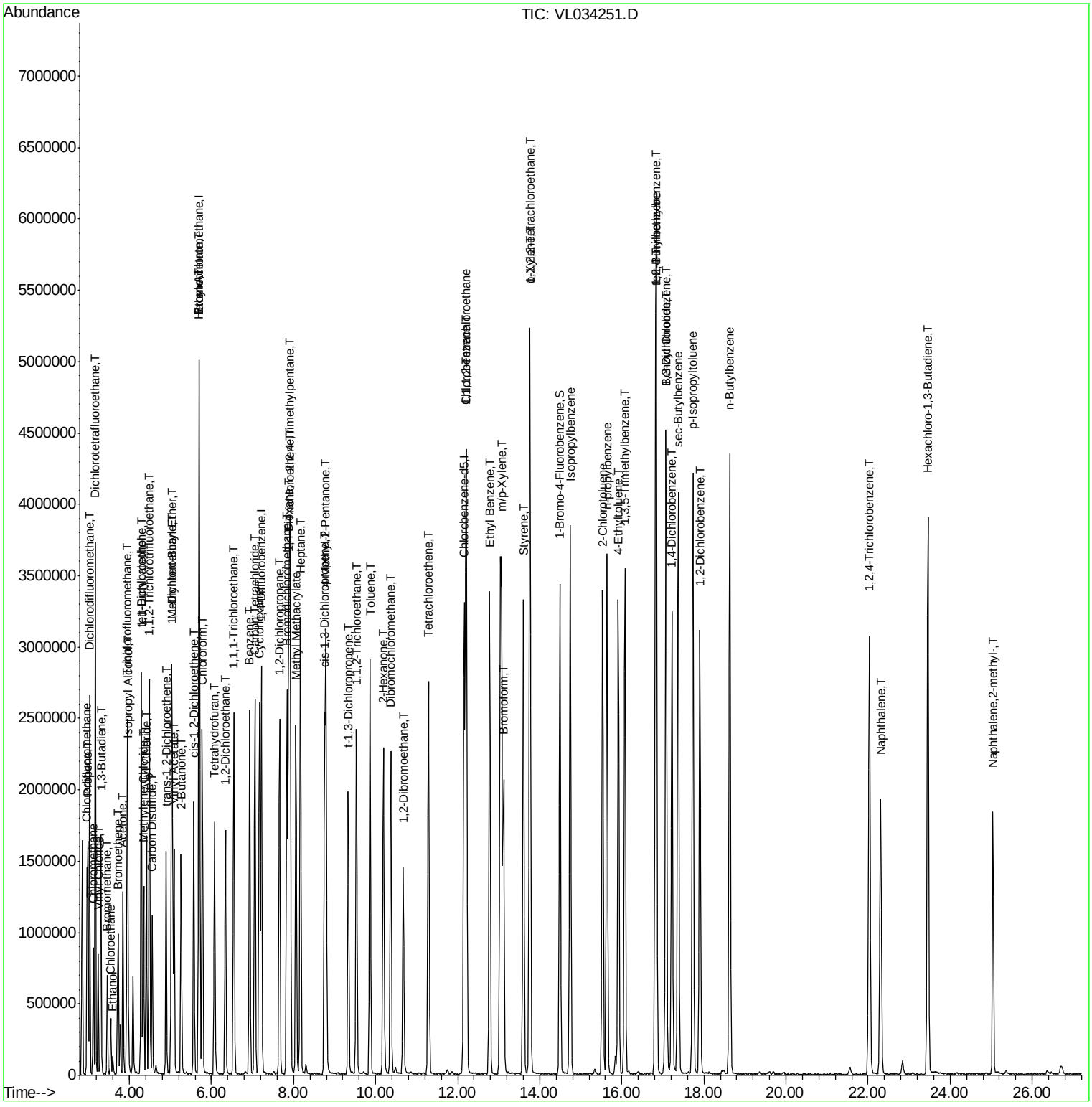
(#) = qualifier out of range (m) = manual integration (+) = signals summed

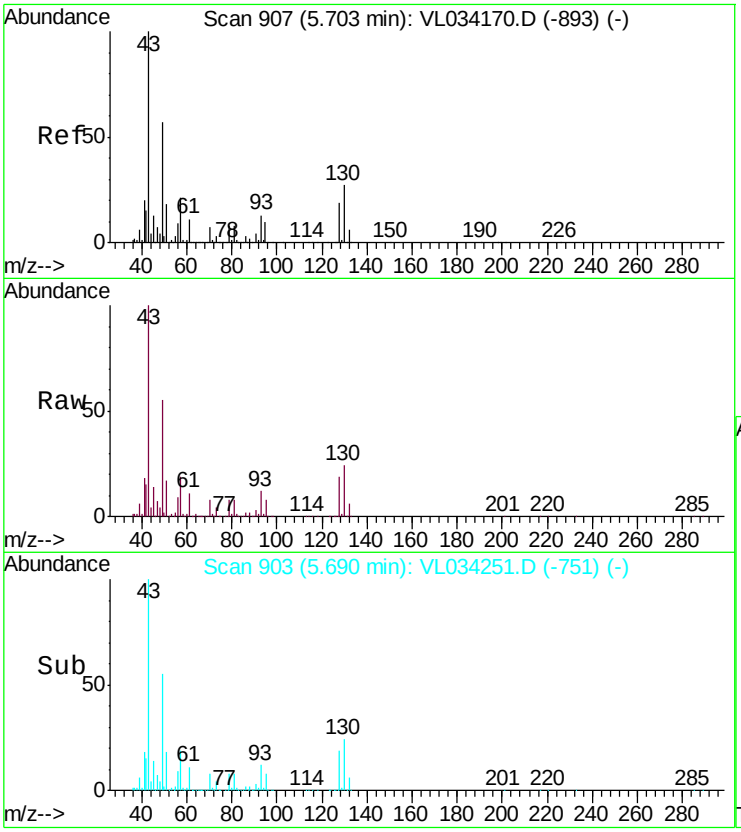
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034251.D
Acq On : 8 Oct 2019 14:51
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 09 05:19:25 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



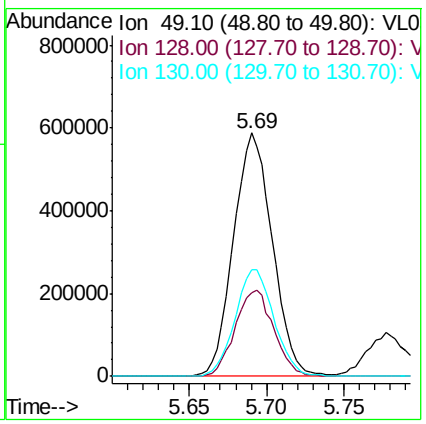


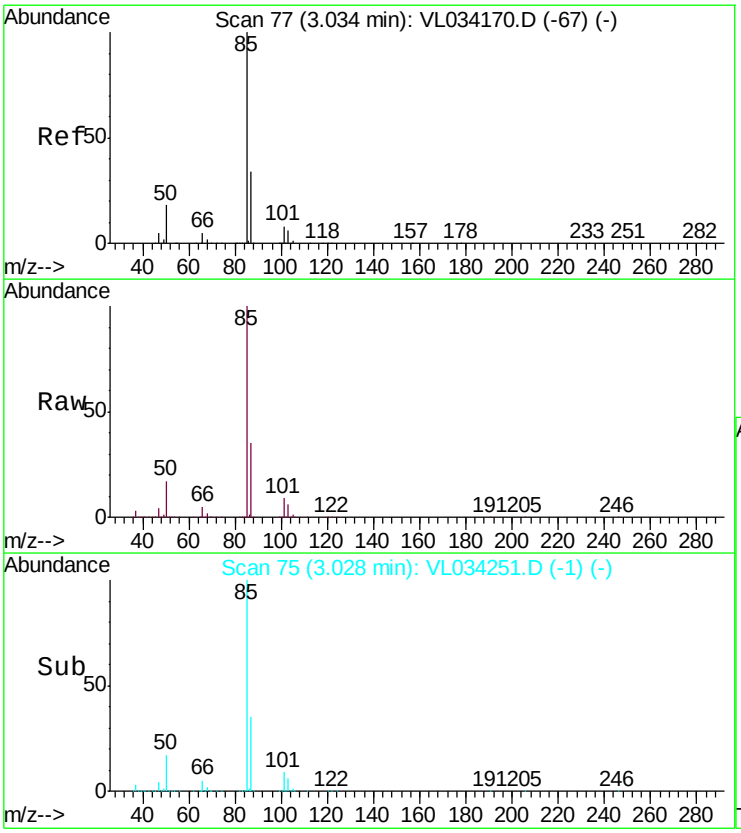
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1022897

Ion	Ratio	Lower	Upper
49	100		
128	35.4	17.6	52.9
130	44.3	22.3	66.9

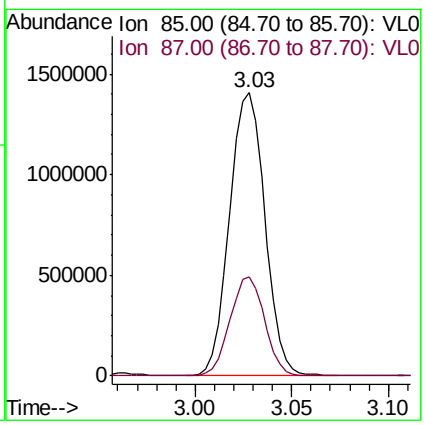


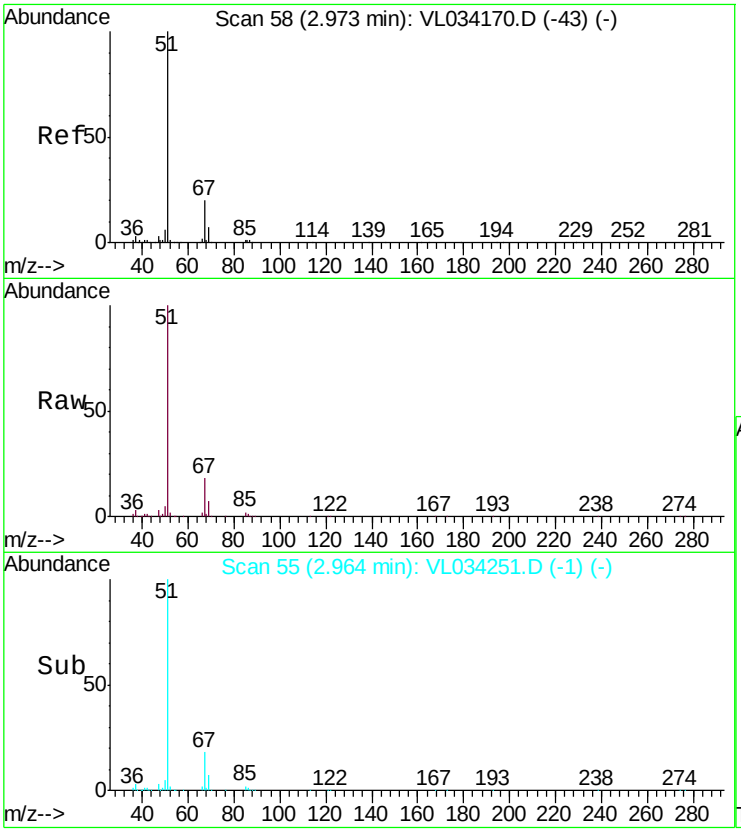


#2
Dichlorodifluoromethane
Concen: 11.849 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 85 Resp: 1790384

Ion	Ratio	Lower	Upper
85	100		
87	35.1	27.2	40.8



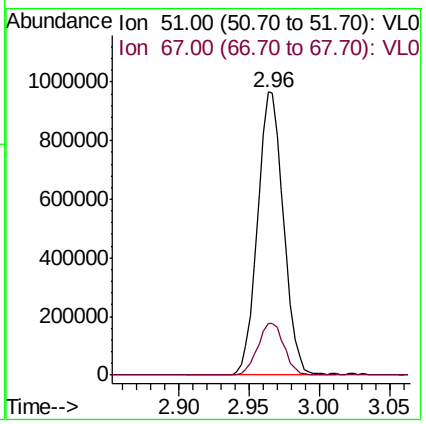


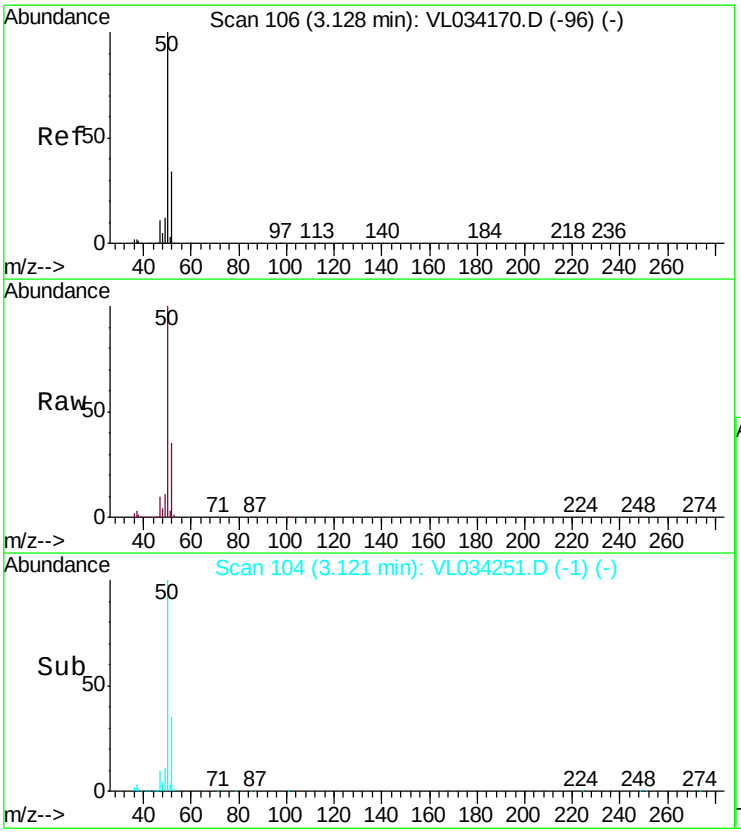
#3
Chlorodifluoromethane
Concen: 10.362 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1242800

Ion	Ratio	Lower	Upper
51	100		
67	18.8	14.8	22.2

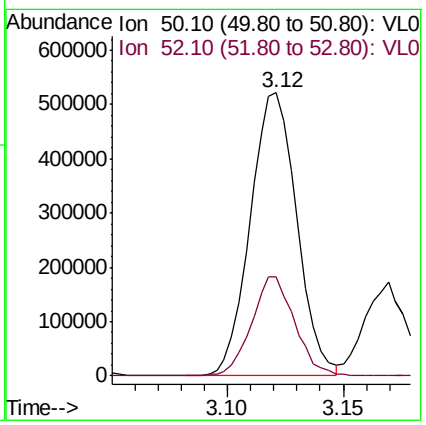


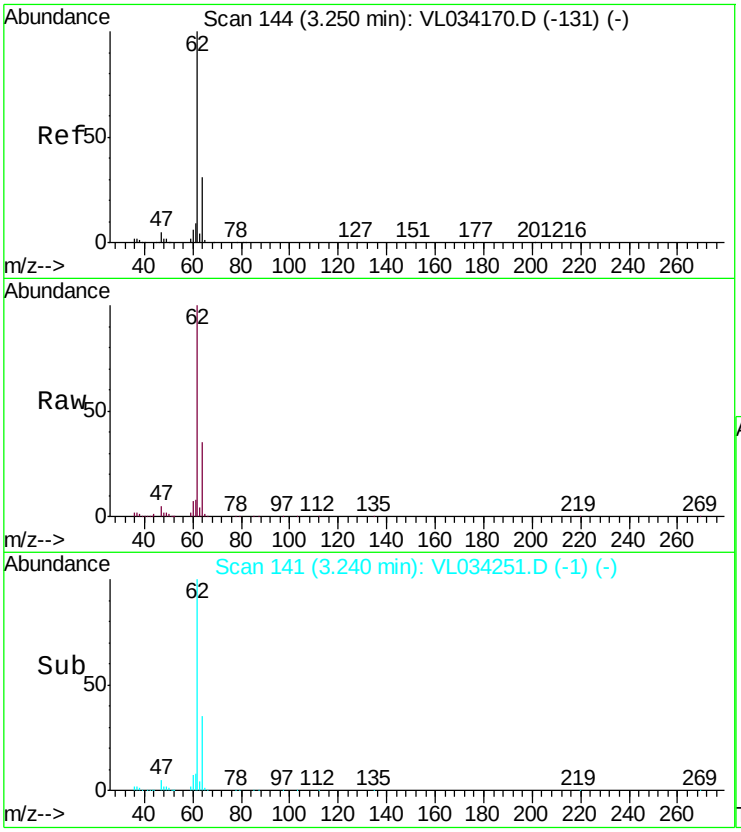


#4
Chloromethane
Concen: 10.316 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 50 Resp: 727042

Ion	Ratio	Lower	Upper
50	100		
52	34.8	27.1	40.7



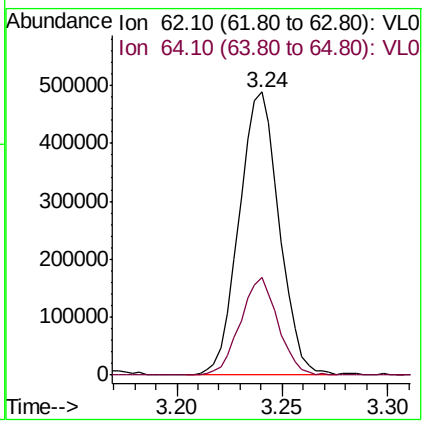


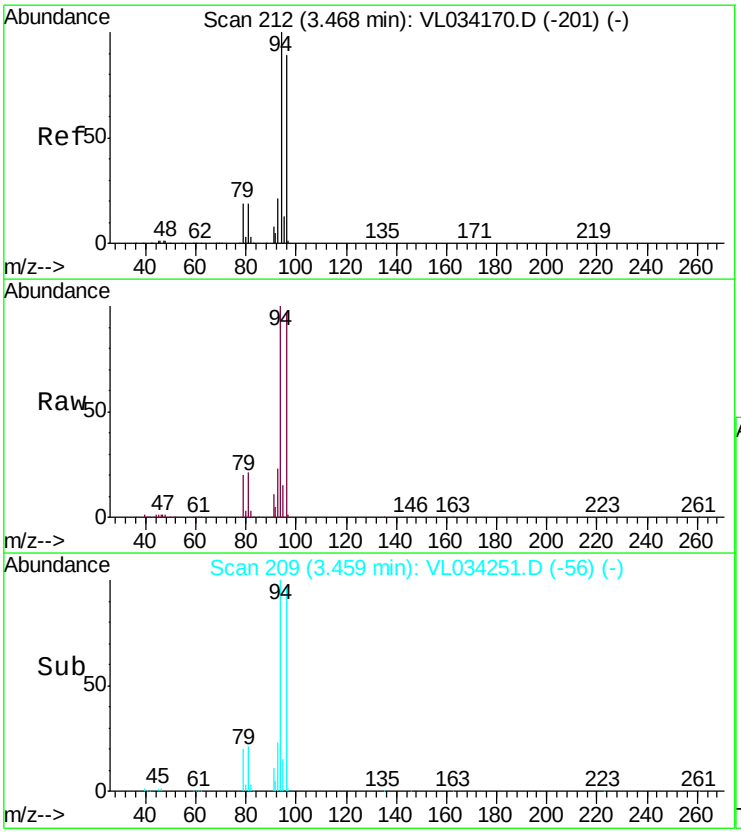
#5
Vinyl Chloride
Concen: 10.026 ppbv
RT: 3.24 min Scan# 141
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 645798

Ion	Ratio	Lower	Upper
62	100		
64	34.8	25.2	37.8

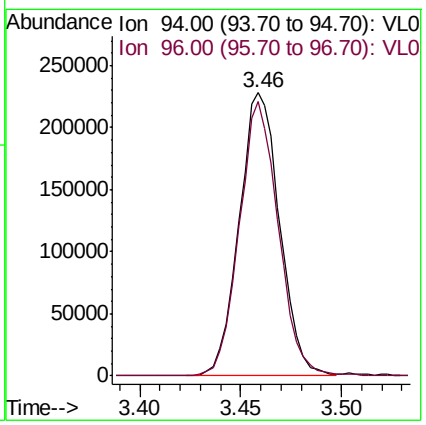


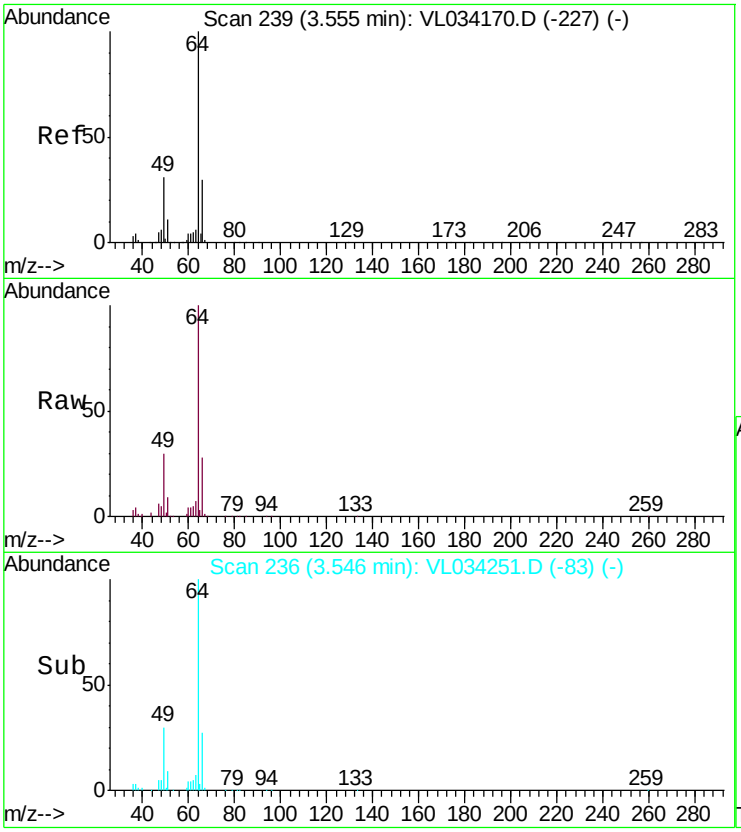


#6
Bromomethane
Concen: 10.677 ppbv
RT: 3.46 min Scan# 209
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 94 Resp: 320850

Ion	Ratio	Lower	Upper
94	100		
96	97.1	71.3	106.9



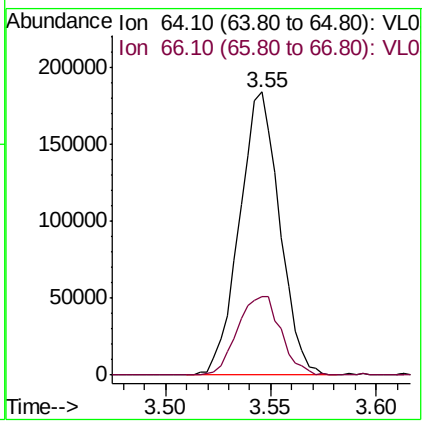


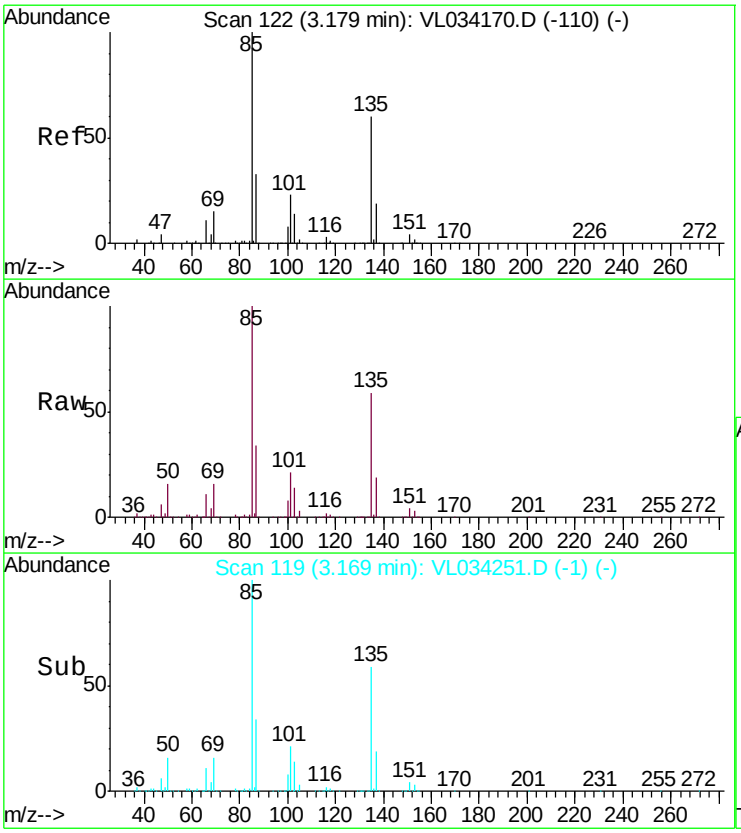
#7
Chloroethane
Concen: 10.827 ppbv
RT: 3.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 243750

Ion	Ratio	Lower	Upper
64	100		
66	27.6	24.2	36.4

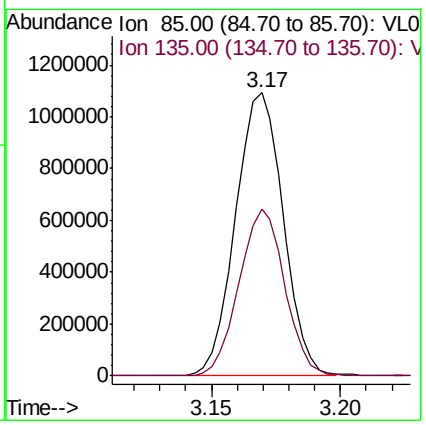


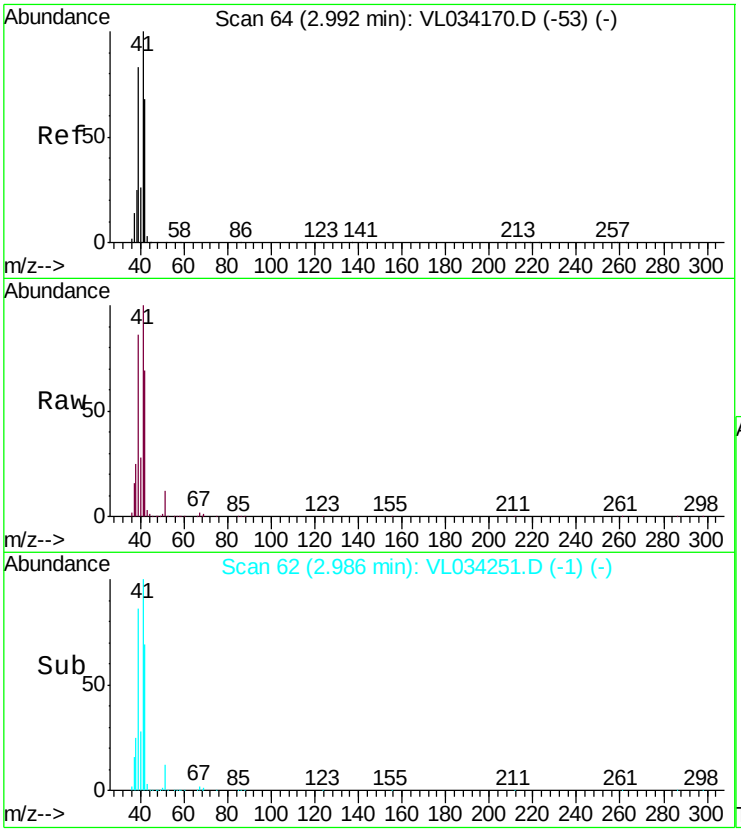


#8
Dichlorotetrafluoroethane
Concen: 10.513 ppbv
RT: 3.17 min Scan# 119
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 85 Resp: 1401938

Ion	Ratio	Lower	Upper
85	100		
135	56.9	47.3	70.9

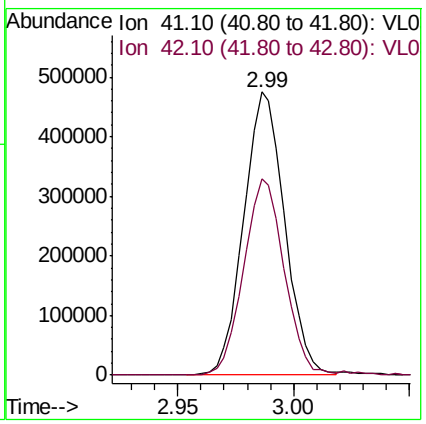




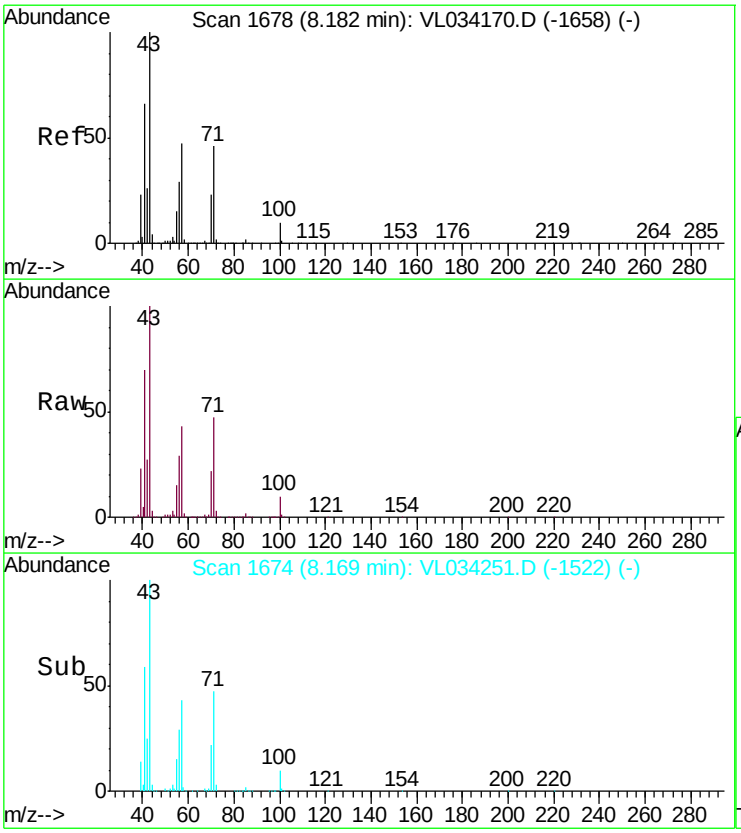
#9
Propene
Concen: 9.850 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 41 Resp: 582840

Ion	Ratio	Lower	Upper
41	100		
42	69.9	55.8	83.6



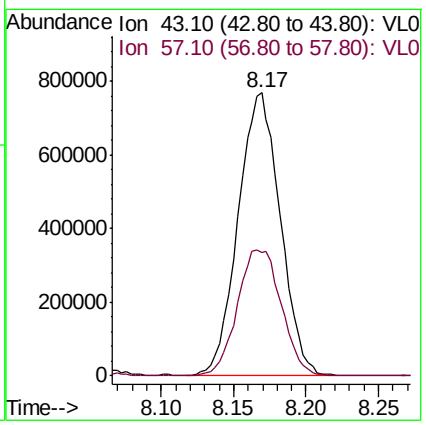
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

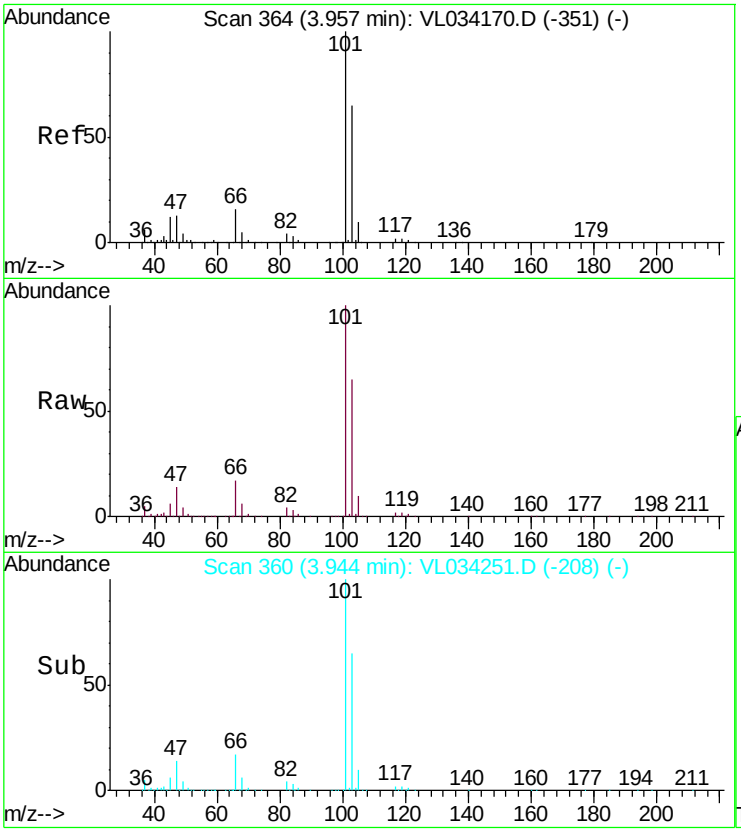


#10
Heptane
Concen: 10.045 ppbv
RT: 8.17 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 43 Resp: 1549049

Ion	Ratio	Lower	Upper
43	100		
57	46.8	37.5	56.3



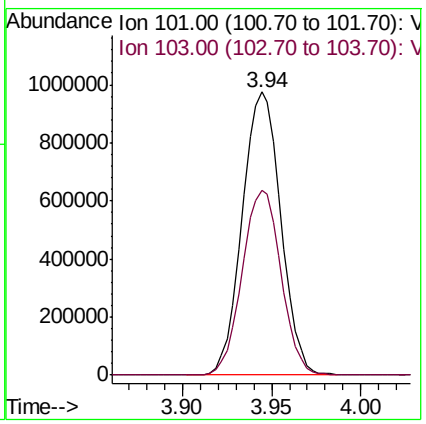


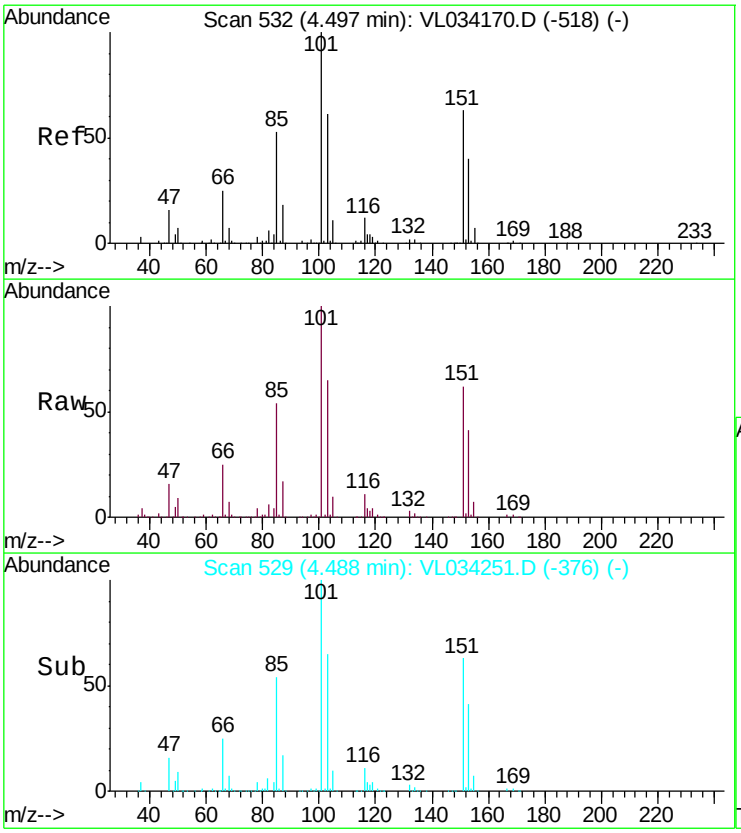
#11
Trichlorofluoromethane
Concen: 10.694 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1470819

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

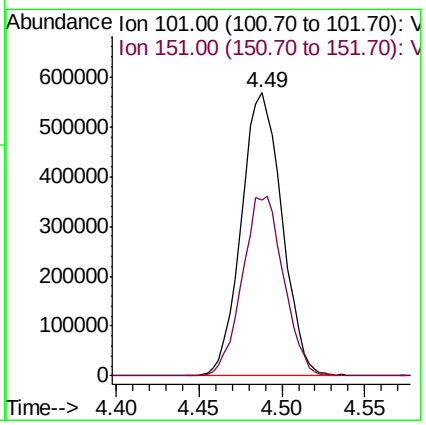


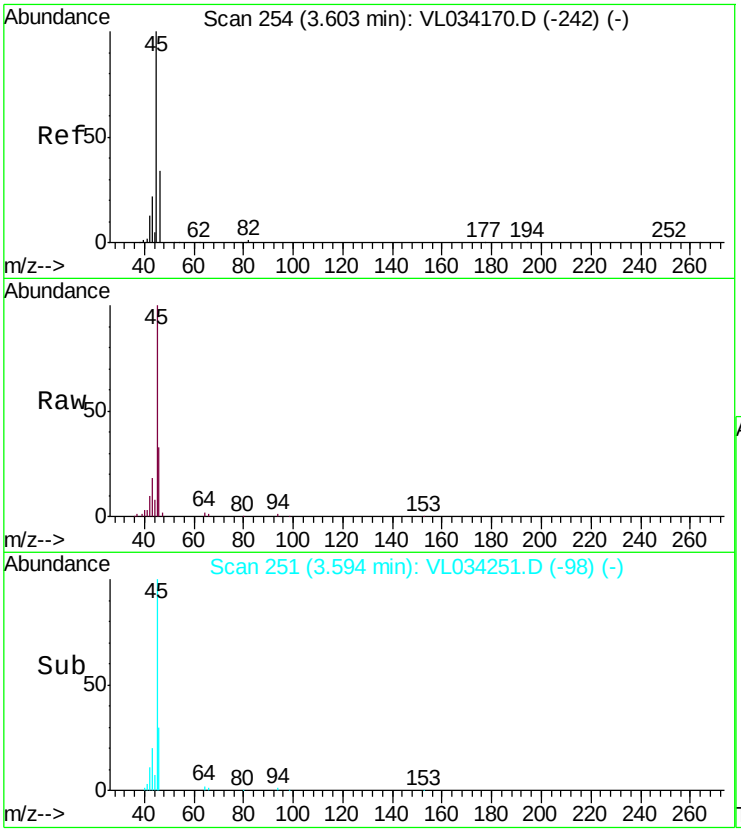


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.785 ppbv
RT: 4.49 min Scan# 529
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:101 Resp: 970746

Ion	Ratio	Lower	Upper
101	100		
151	64.4	51.8	77.8



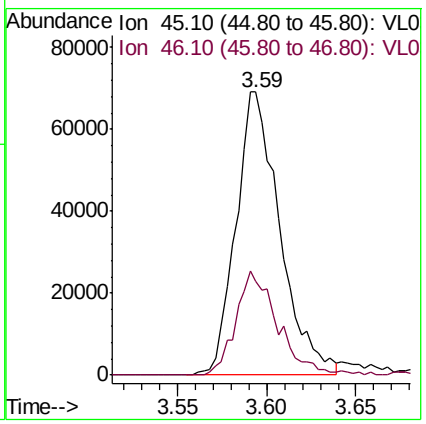


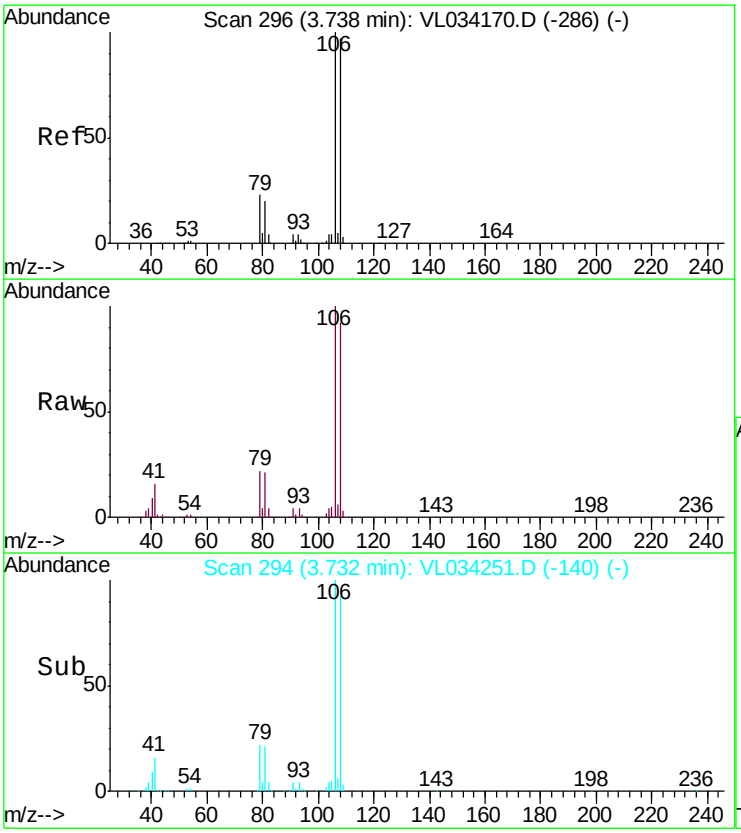
#13
Ethanol
Concen: 8.282 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 118670

Ion	Ratio	Lower	Upper
45	100		
46	35.0	15.5	61.9

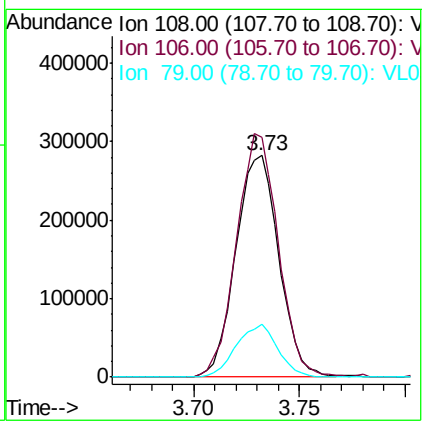


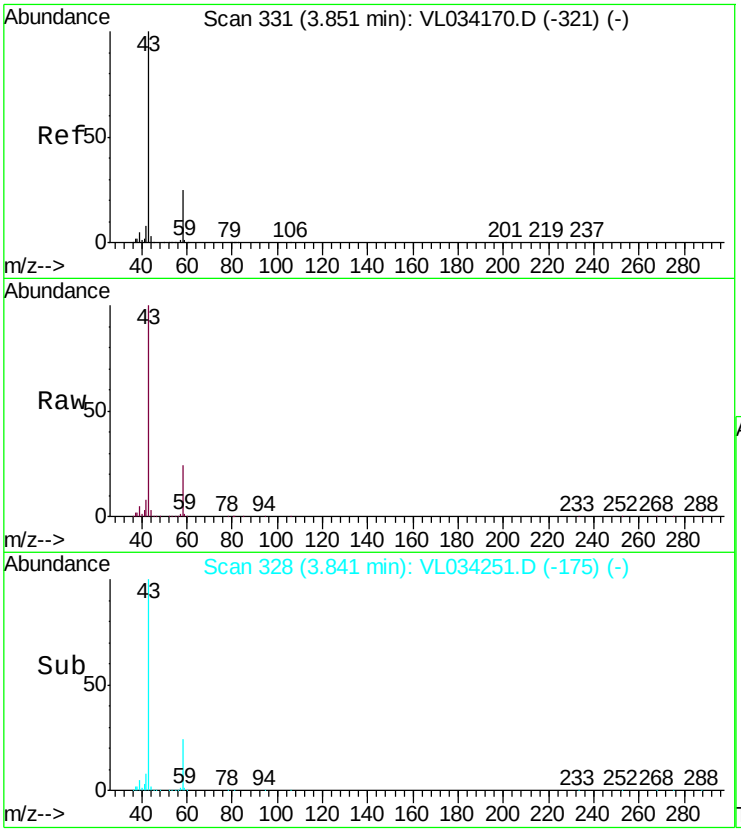


#14
Bromoethene
Concen: 10.920 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:108 Resp: 401845

Ion	Ratio	Lower	Upper
108	100		
106	107.0	86.2	129.4
79	23.3	18.6	27.8



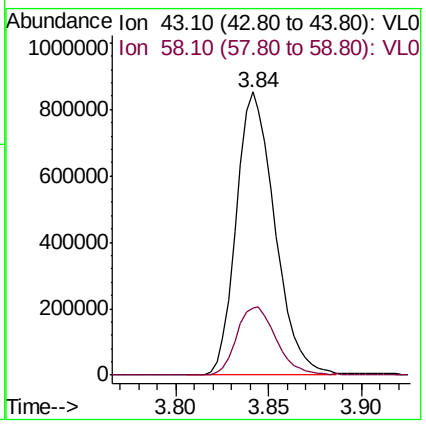


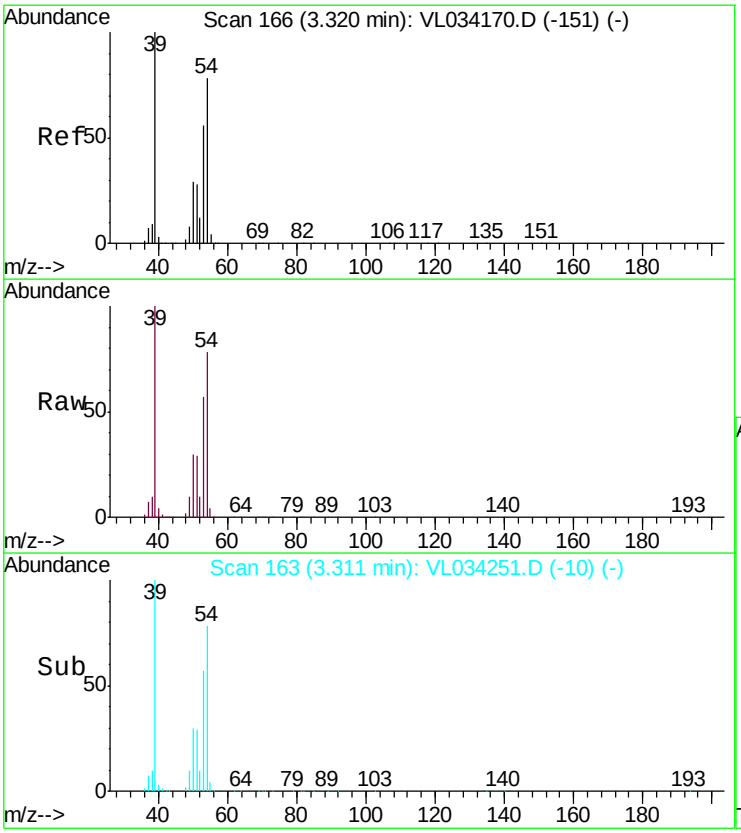
#15
Acetone
Concen: 9.006 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1234715

Ion	Ratio	Lower	Upper
43	100		
58	24.9	20.5	30.7

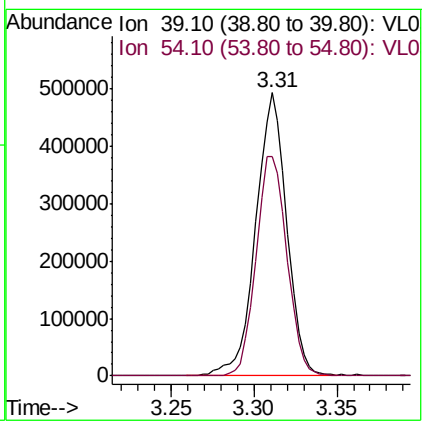


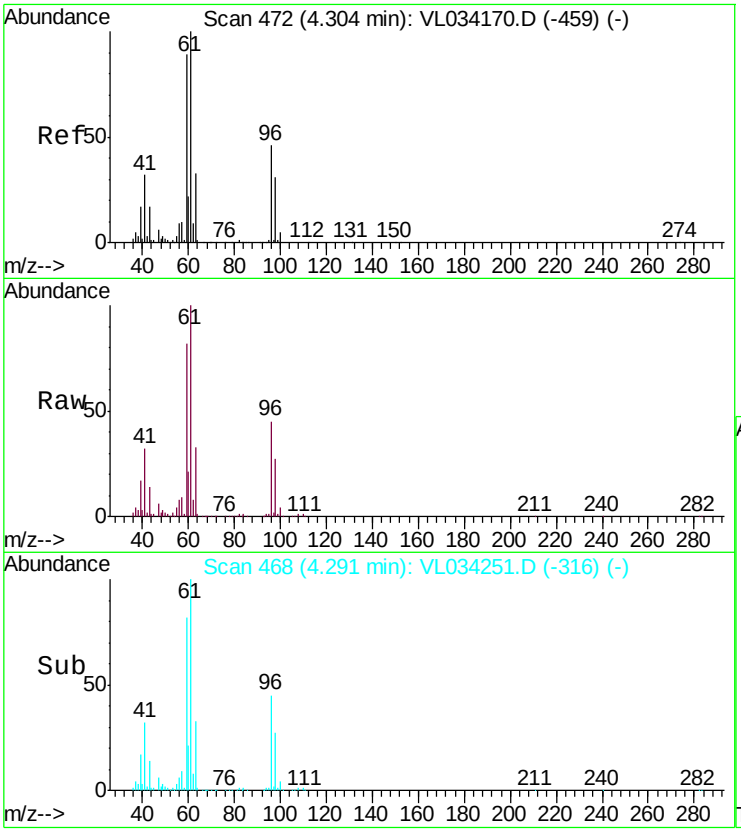


#16
1,3-Butadiene
Concen: 10.679 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 39 Resp: 638932

Ion	Ratio	Lower	Upper
39	100		
54	78.1	63.4	95.0



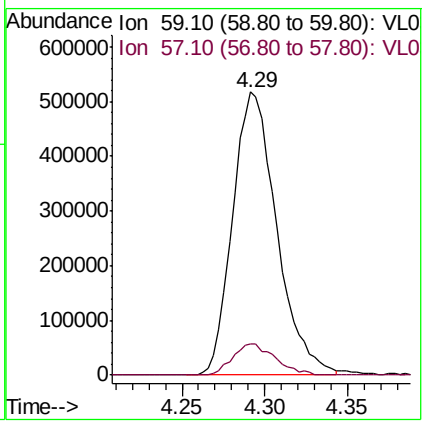


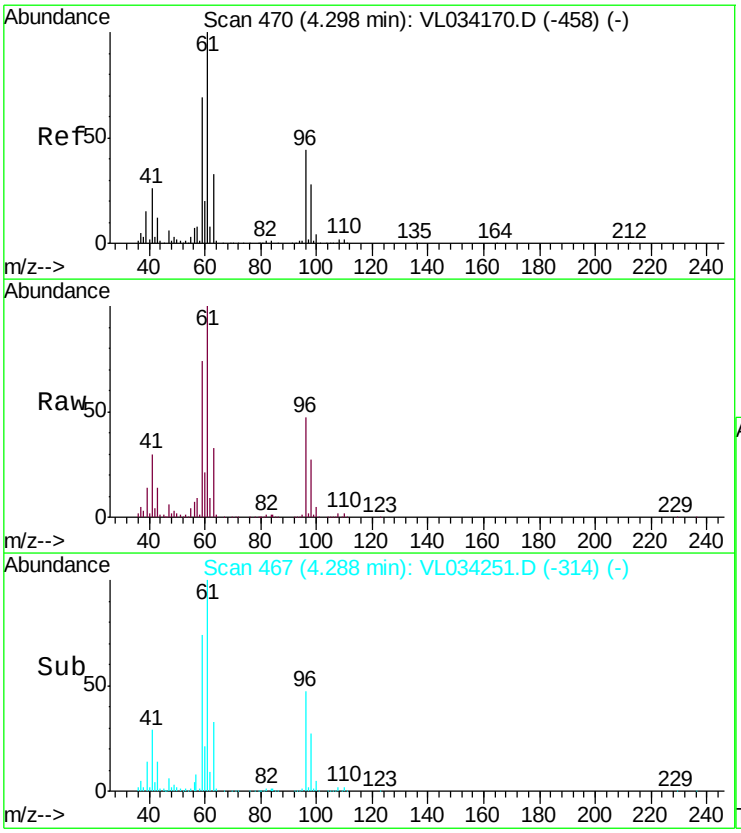
#17
tert-Butyl alcohol
Concen: 11.015 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 956855

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.7	13.1

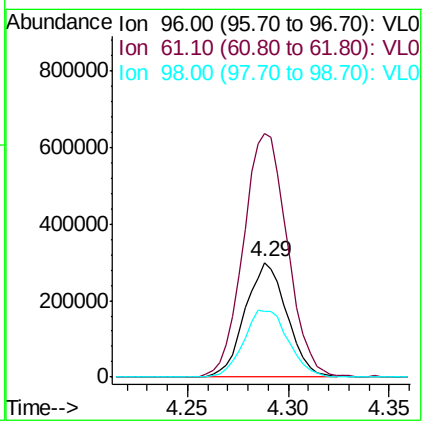


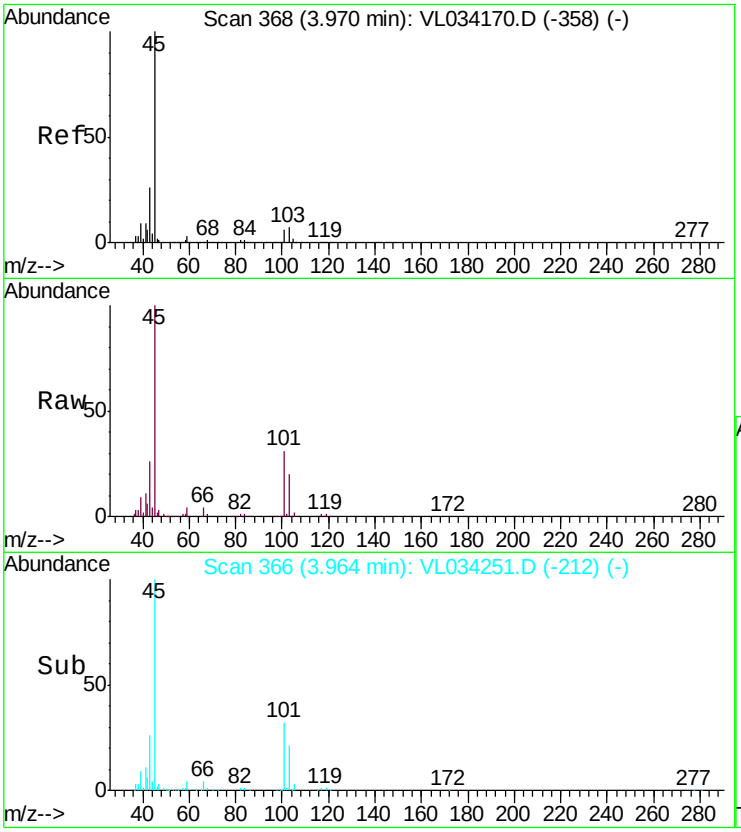


#18
1,1-Dichloroethene
Concen: 11.066 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 96 Resp: 434428

Ion	Ratio	Lower	Upper
96	100		
61	212.9	183.3	274.9
98	57.5	51.4	77.2



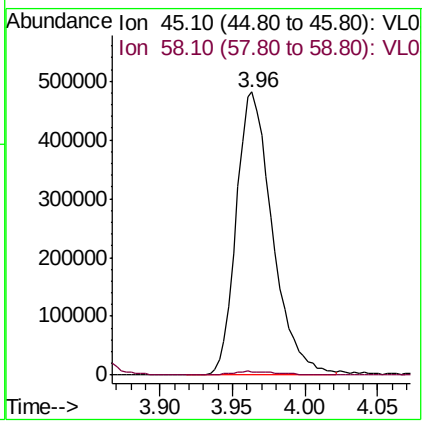


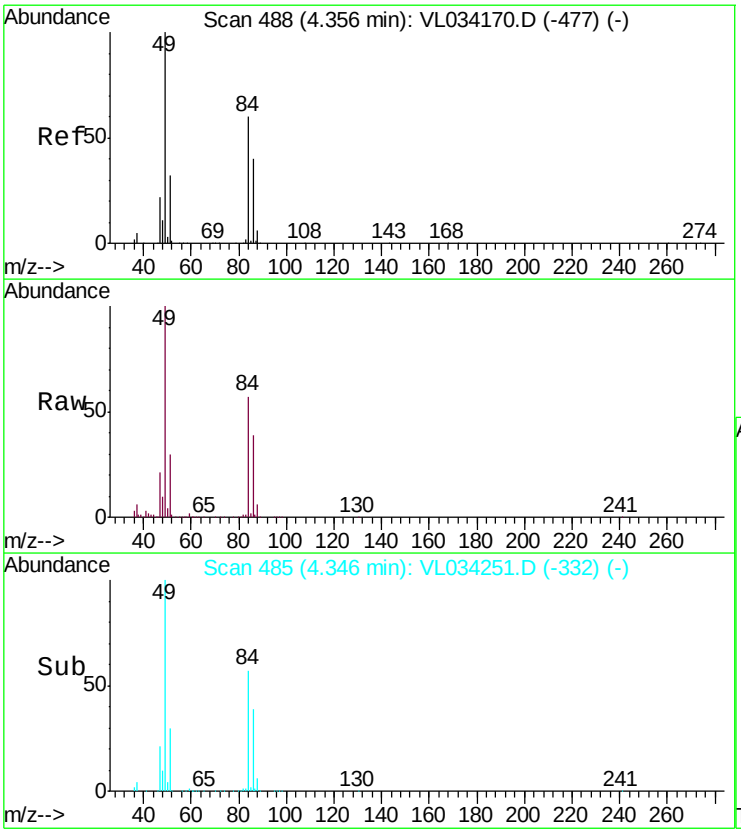
#19
Isopropyl Alcohol
Concen: 9.898 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 834417

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.4	2.0

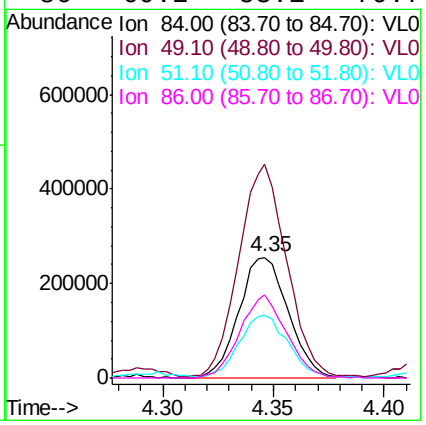


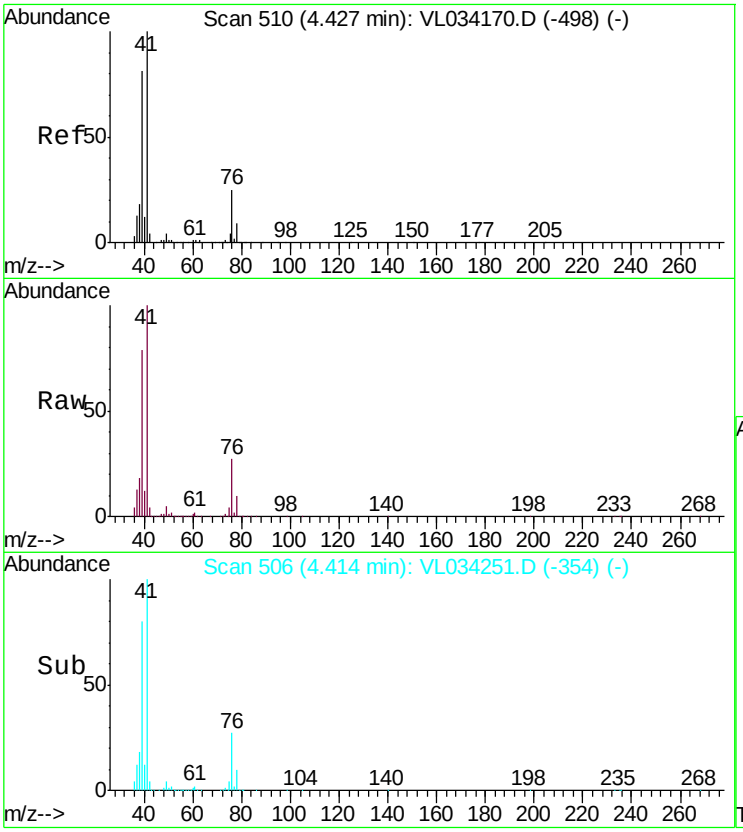


#20
Methylene Chloride
Concen: 9.928 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 84 Resp: 392438

Ion	Ratio	Lower	Upper
84	100		
49	175.9	133.8	200.8
51	51.7	43.6	65.4
86	69.2	53.1	79.7



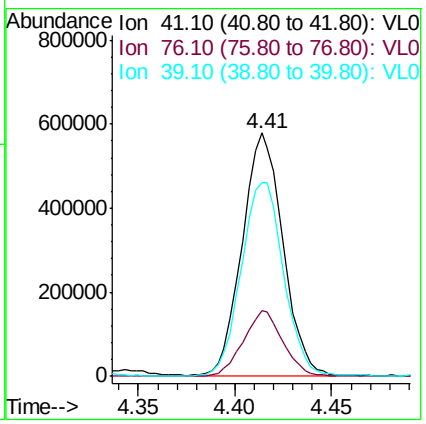


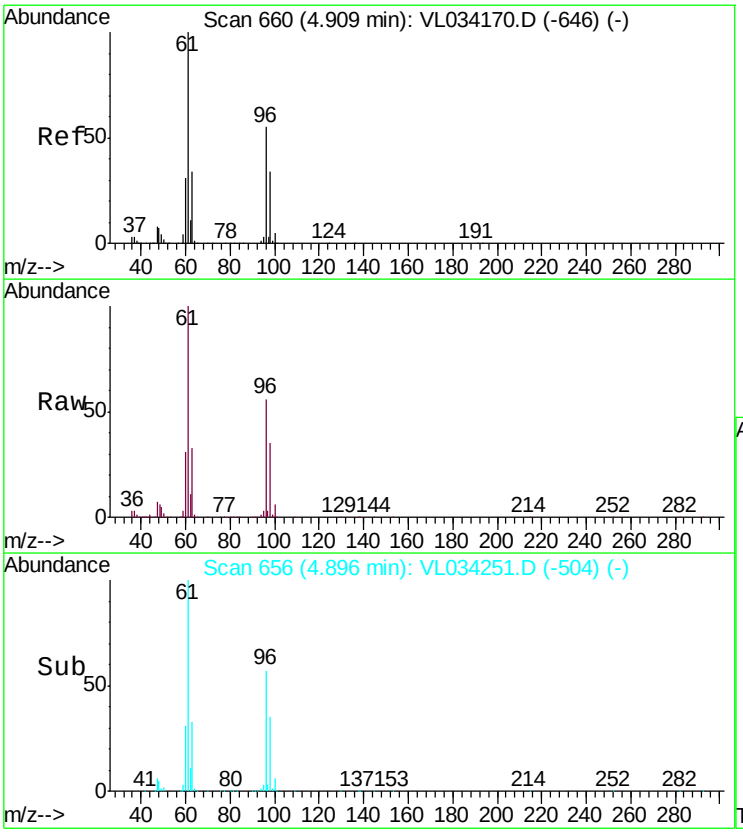
#21
Allyl Chloride
Concen: 10.882 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 842677

Ion	Ratio	Lower	Upper
41	100		
76	26.4	21.8	32.6
39	83.4	64.8	97.2

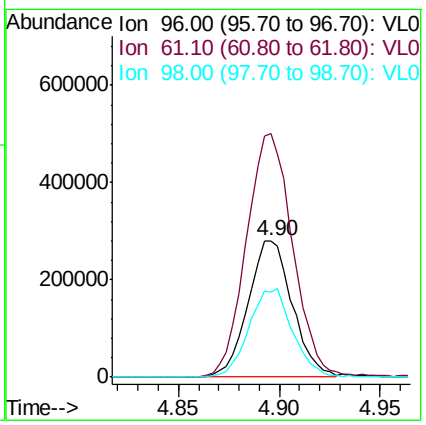


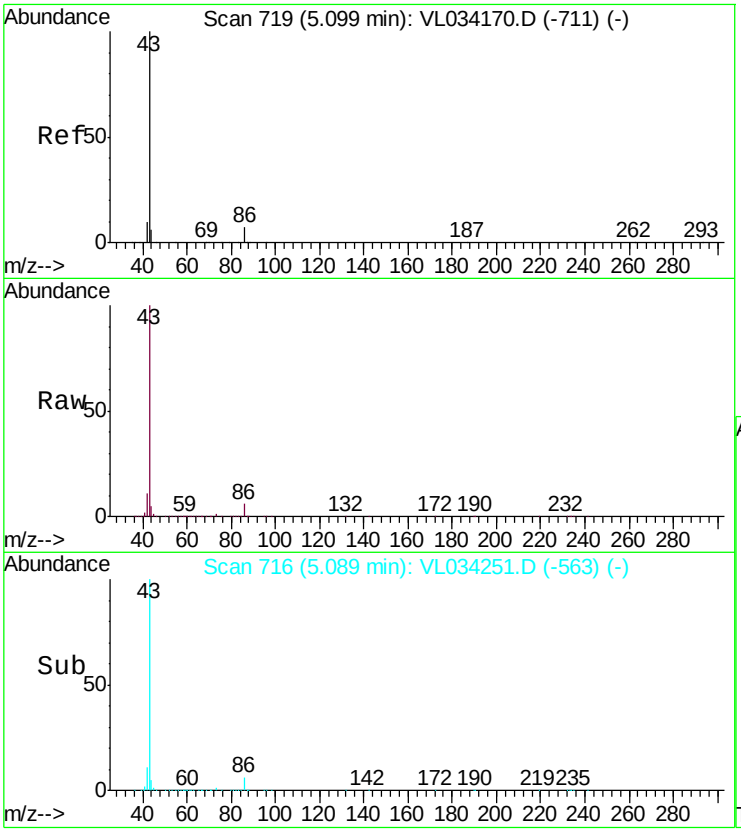


#22
trans-1,2-Dichloroethene
Concen: 10.939 ppbv
RT: 4.90 min Scan# 656
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 96 Resp: 429647

Ion	Ratio	Lower	Upper
96	100		
61	178.8	145.5	218.3
98	62.2	49.9	74.9



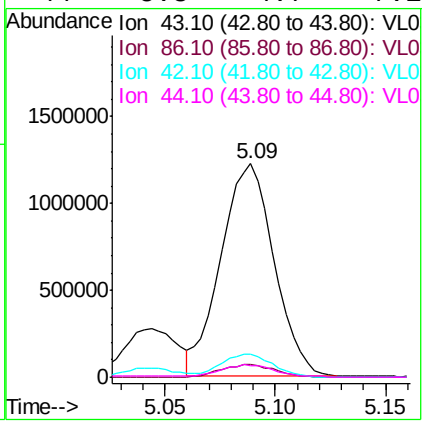


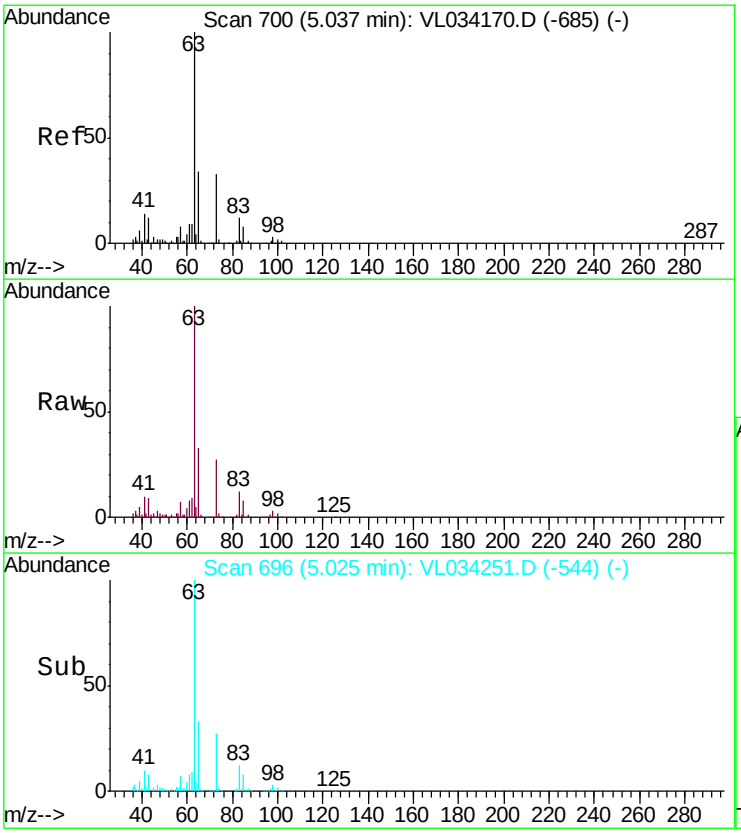
#23
Vinyl Acetate
Concen: 10.106 ppbv
RT: 5.09 min Scan# 716
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2041618

Ion	Ratio	Lower	Upper
43	100		
86	6.1	5.1	7.7
42	10.9	8.6	12.8
44	5.3	4.7	7.1

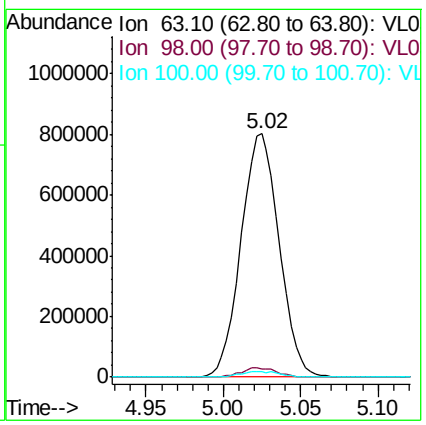


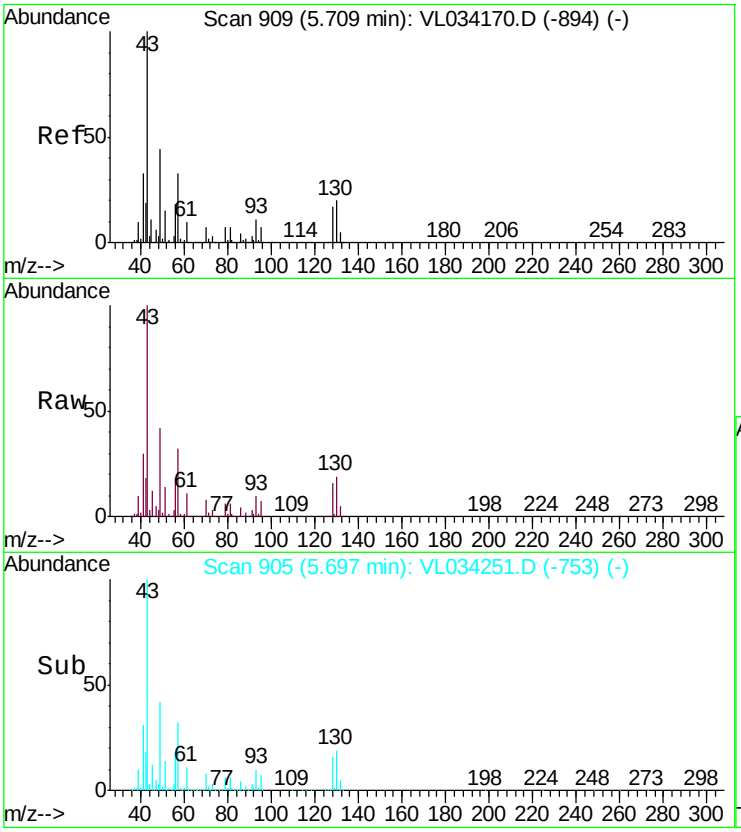


#24
1,1-Dichloroethane
Concen: 10.082 ppbv
RT: 5.02 min Scan# 696
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 63 Resp: 1371386

Ion	Ratio	Lower	Upper
63	100		
98	3.4	1.8	5.3
100	2.0	1.0	3.0



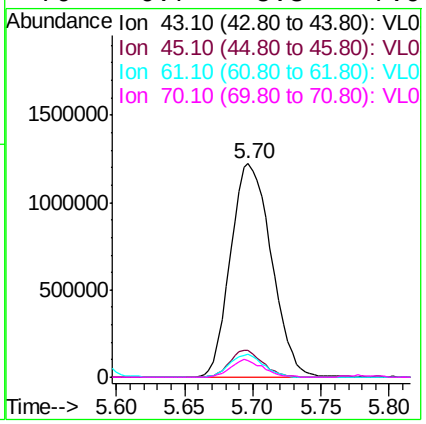


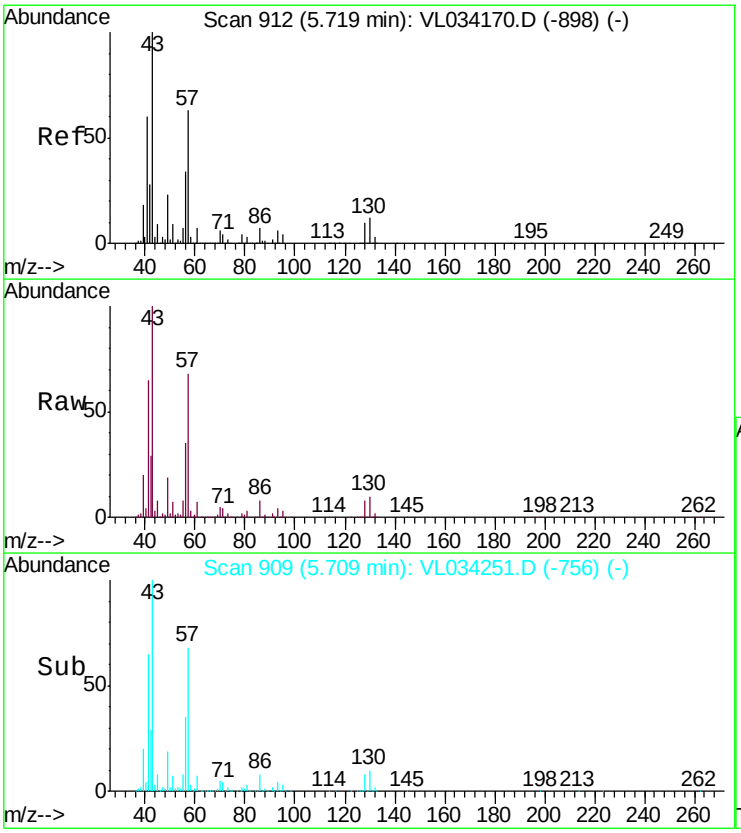
#25
Ethyl Acetate
Concen: 9.805 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2541796

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.4	12.6
61	9.0	7.2	10.8
70	6.7	5.3	7.9

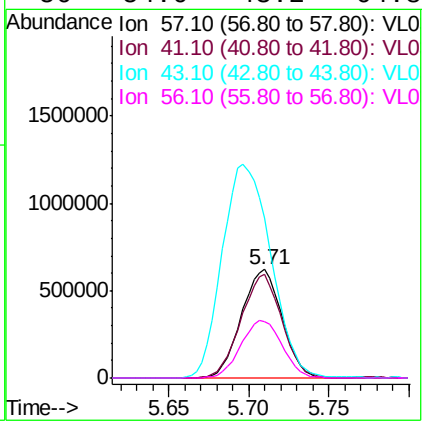


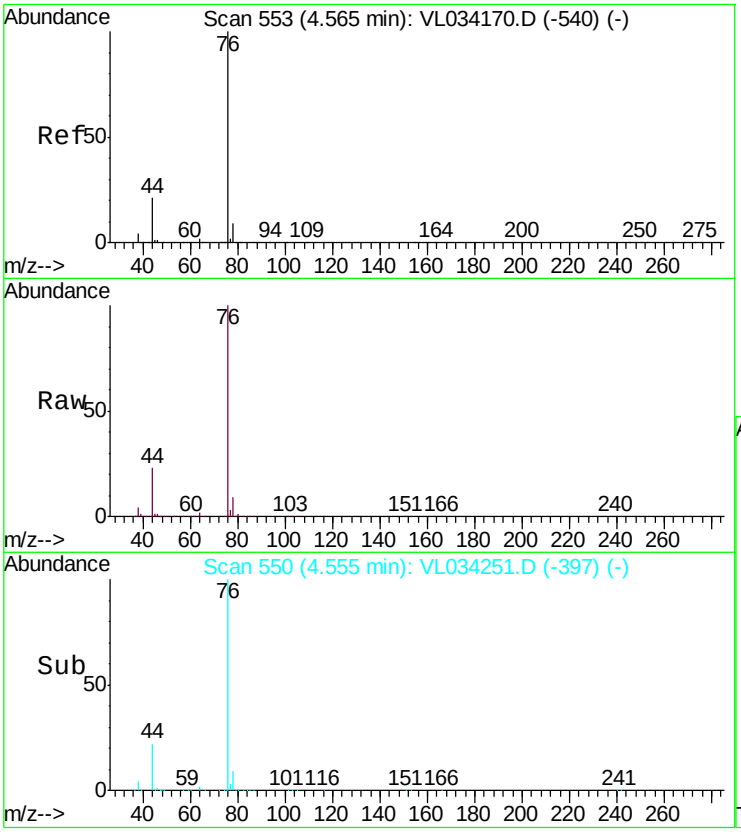


#26
Hexane
Concen: 10.024 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 57 Resp: 1081009

Ion	Ratio	Lower	Upper
57	100		
41	96.2	78.5	117.7
43	236.1	189.5	284.3
56	54.0	43.2	64.8



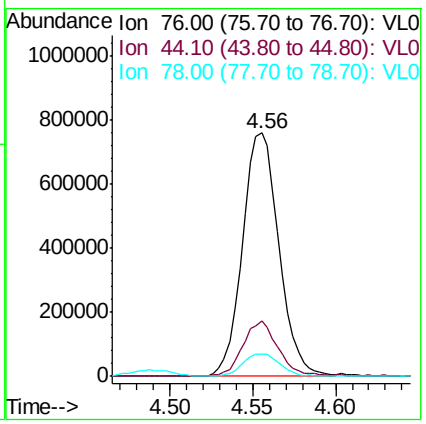


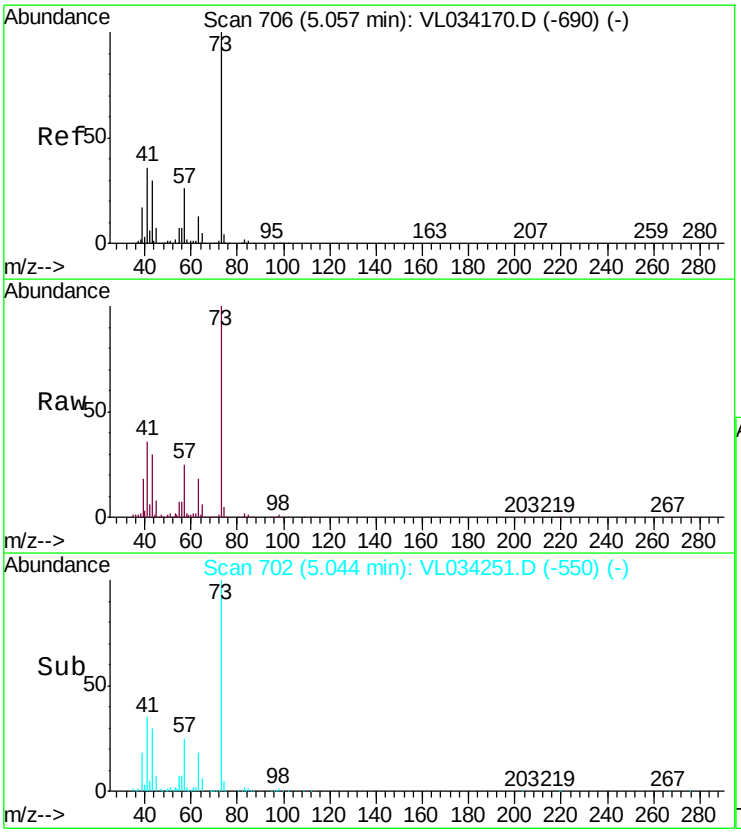
#27
Carbon Disulfide
Concen: 11.672 ppbv
RT: 4.56 min Scan# 550
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1160892

Ion	Ratio	Lower	Upper
76	100		
44	21.4	17.6	26.4
78	9.7	7.6	11.4

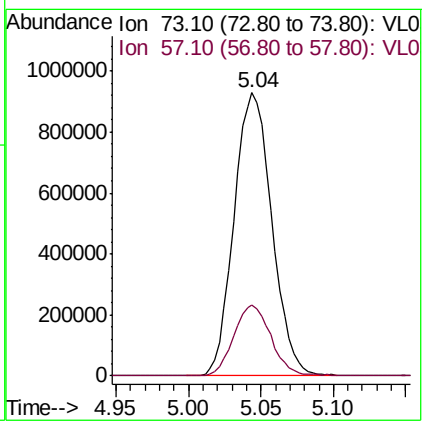


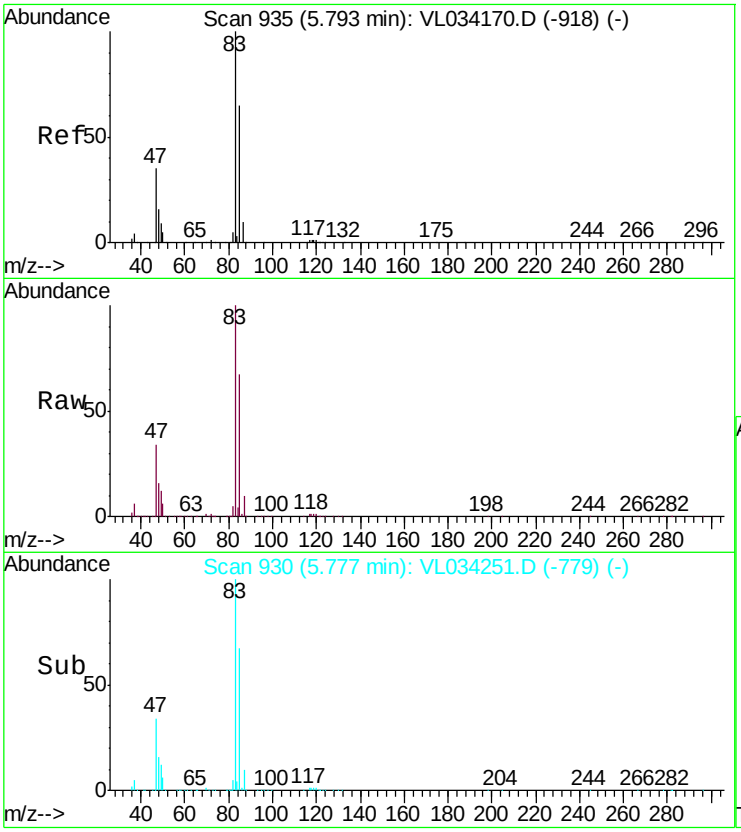


#28
Methyl tert-Butyl Ether
Concen: 10.521 ppbv
RT: 5.04 min Scan# 702
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 73 Resp: 1685062

Ion	Ratio	Lower	Upper
73	100		
57	24.8	20.2	30.2



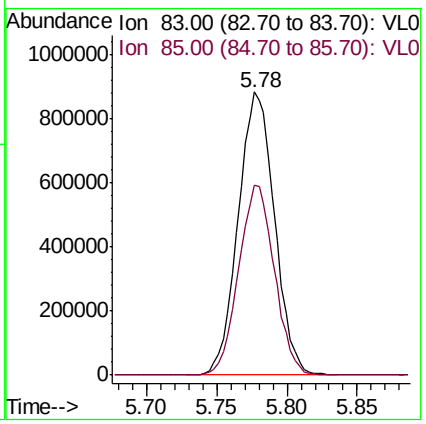


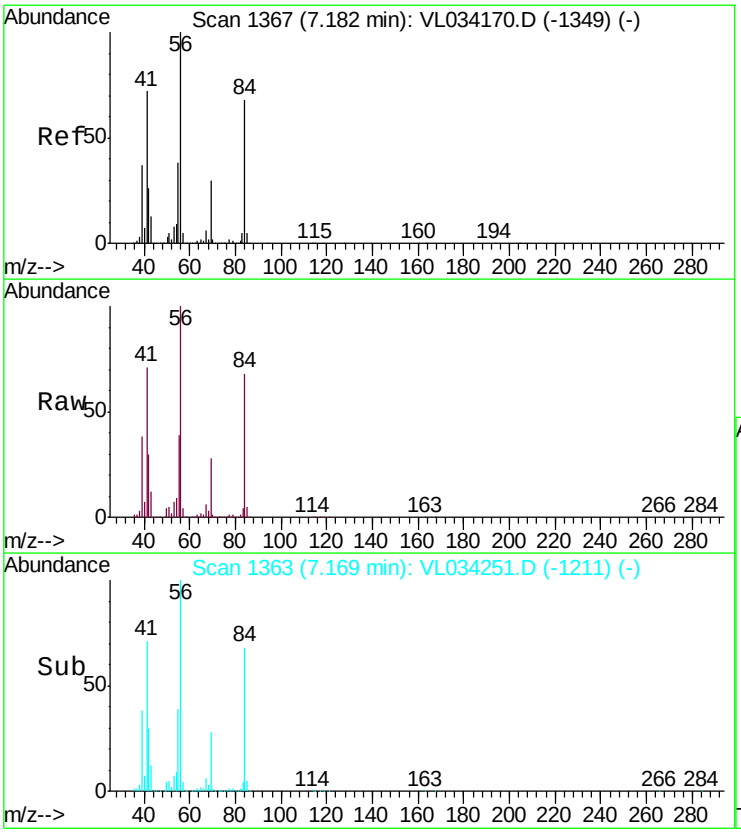
#29
Chloroform
Concen: 10.368 ppbv
RT: 5.78 min Scan# 930
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1597715

Ion	Ratio	Lower	Upper
83	100		
85	67.2	52.3	78.5

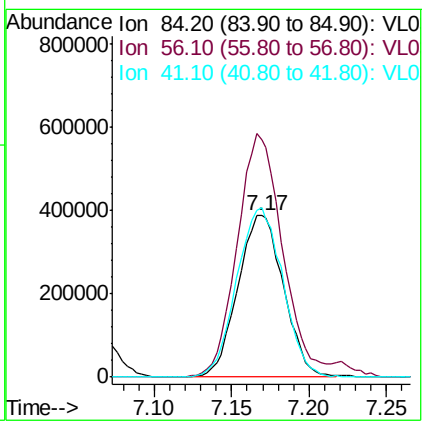


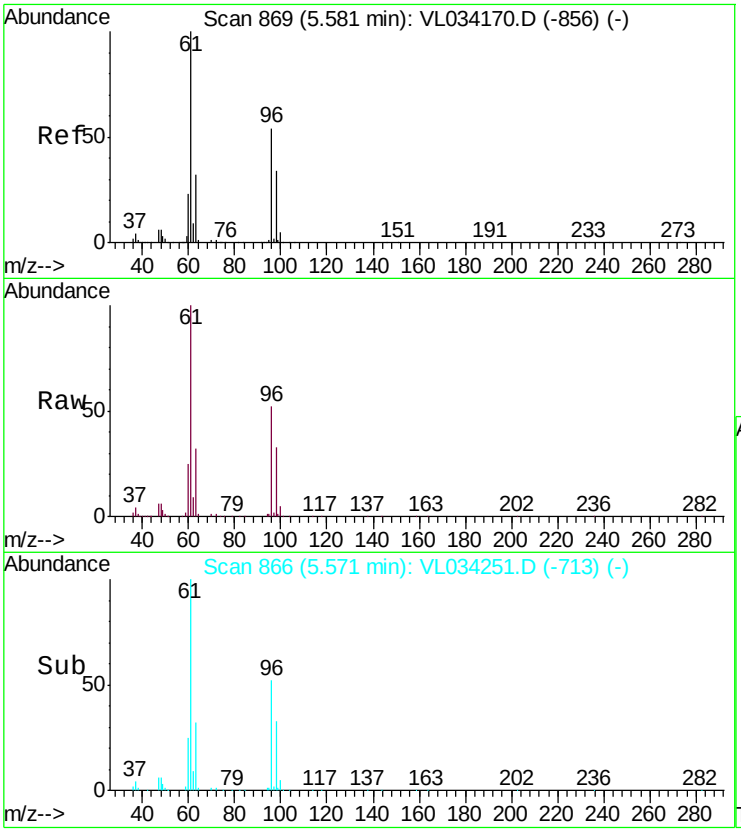


#30
Cyclohexane
Concen: 10.163 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 84 Resp: 791254

Ion	Ratio	Lower	Upper
84	100		
56	156.1	126.2	189.2
41	106.5	85.8	128.8



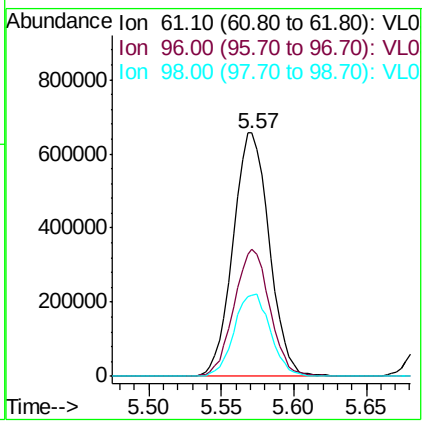


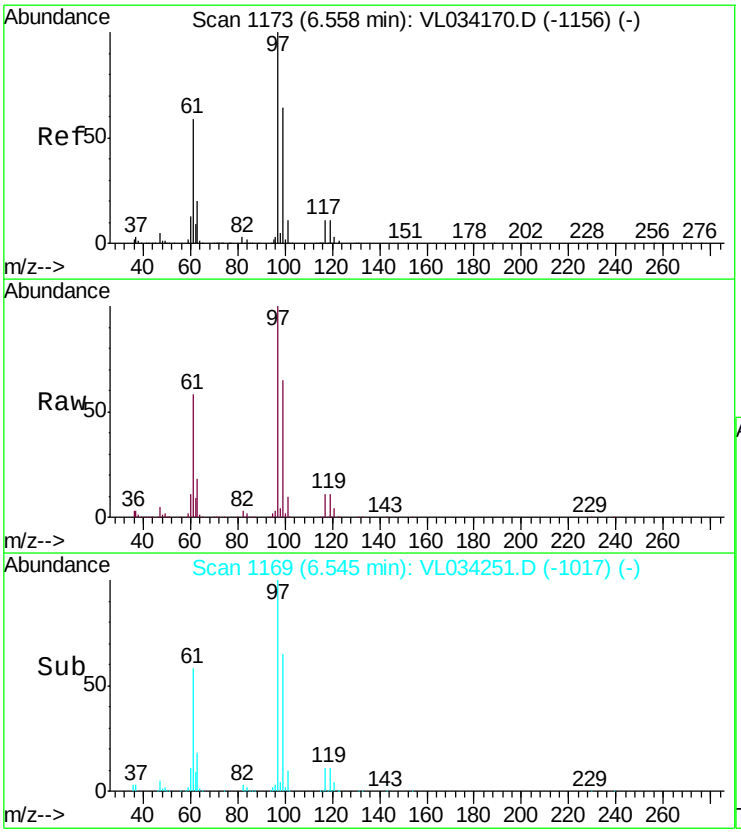
#31
cis-1,2-Dichloroethene
Concen: 10.386 ppbv
RT: 5.57 min Scan# 866
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1141834

Ion	Ratio	Lower	Upper
61	100		
96	52.1	43.0	64.4
98	33.0	27.2	40.8

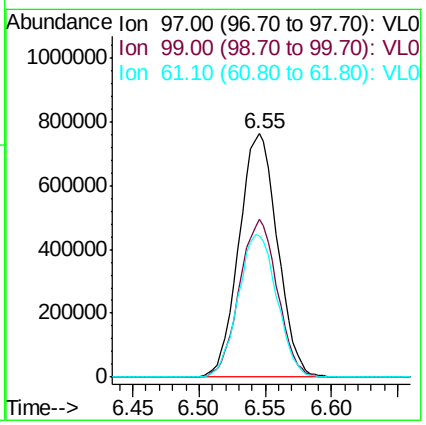


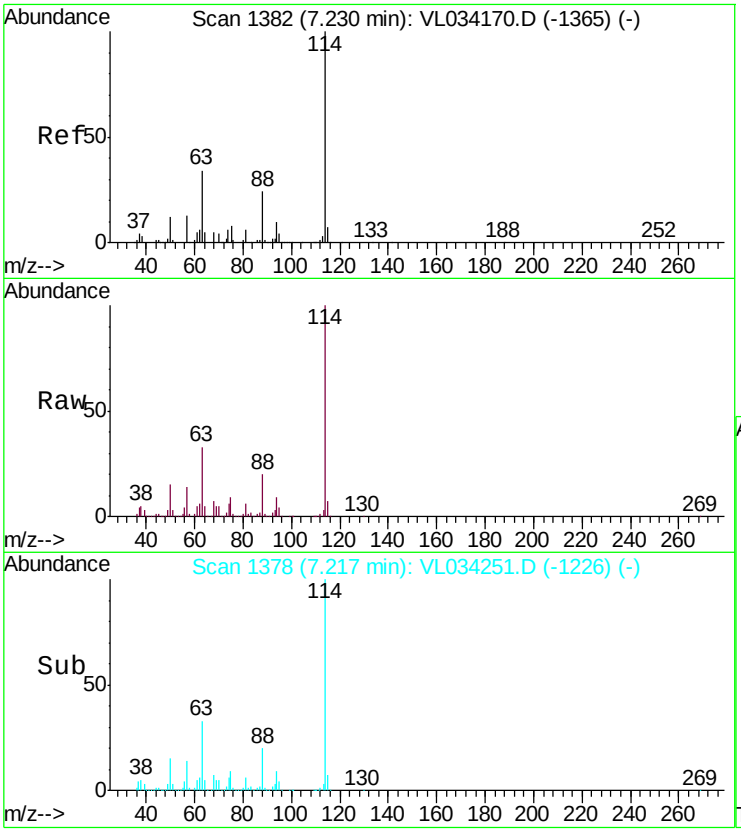


#32
1,1,1-Trichloroethane
Concen: 10.366 ppbv
RT: 6.55 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 97 Resp: 1540571

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.2
61	59.1	48.4	72.6



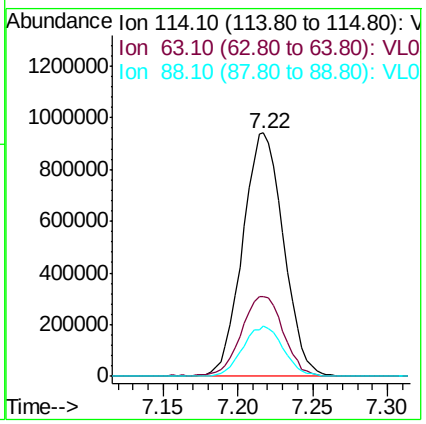


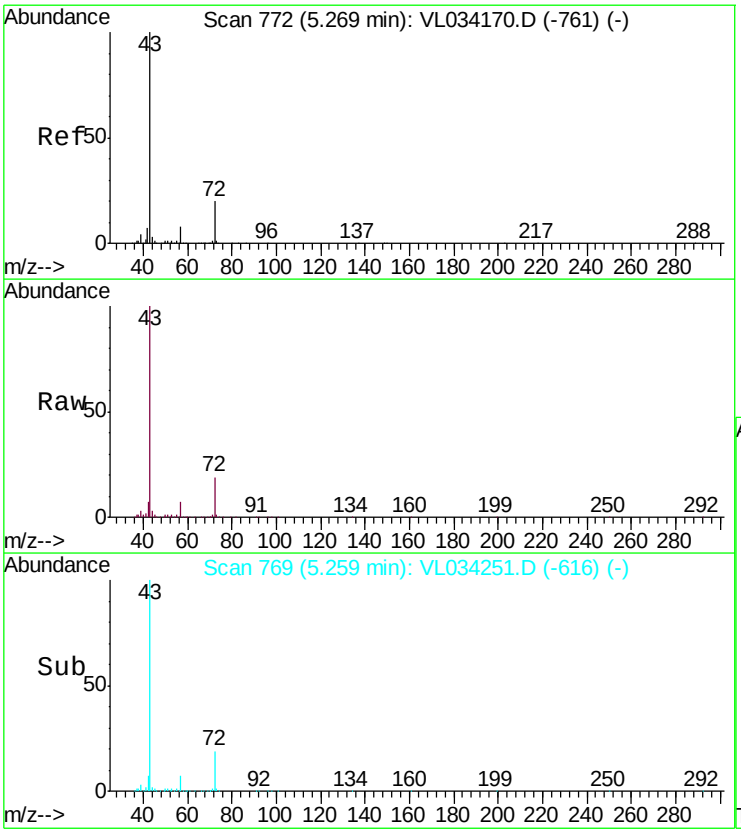
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 1791958

Ion	Ratio	Lower	Upper
114	100		
63	34.3	27.8	41.6
88	20.5	17.1	25.7

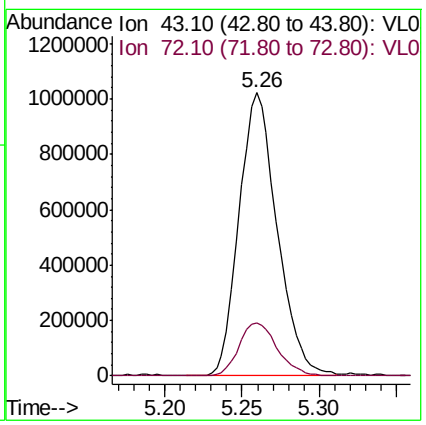


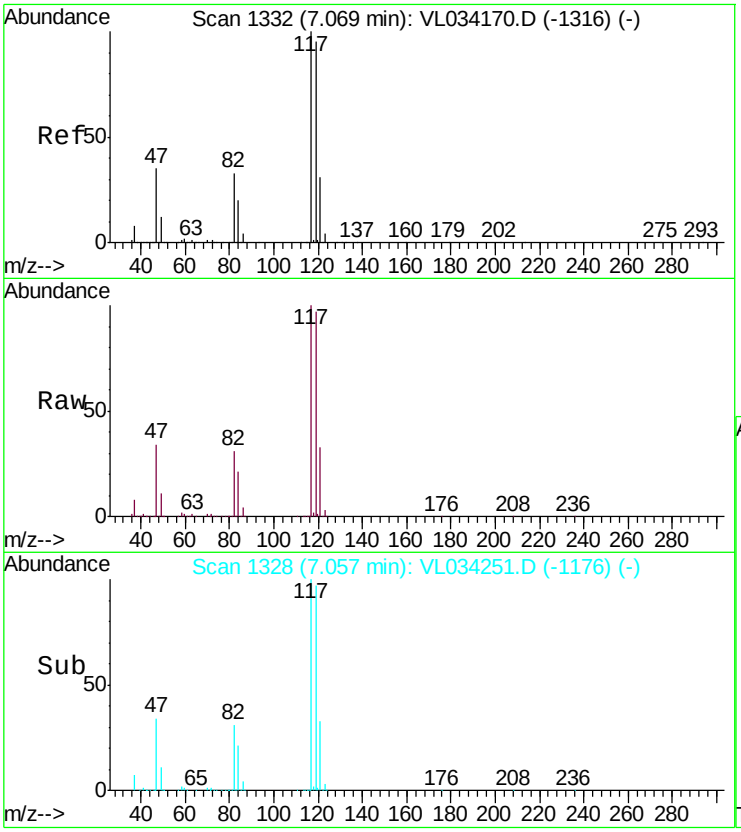


#34
2-Butanone
Concen: 9.543 ppbv
RT: 5.26 min Scan# 769
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 43 Resp: 1746084

Ion	Ratio	Lower	Upper
43	100		
72	19.0	15.0	22.6



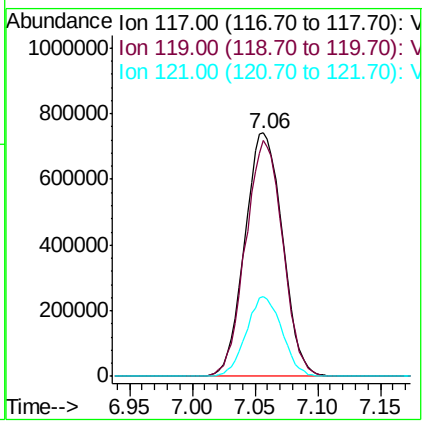


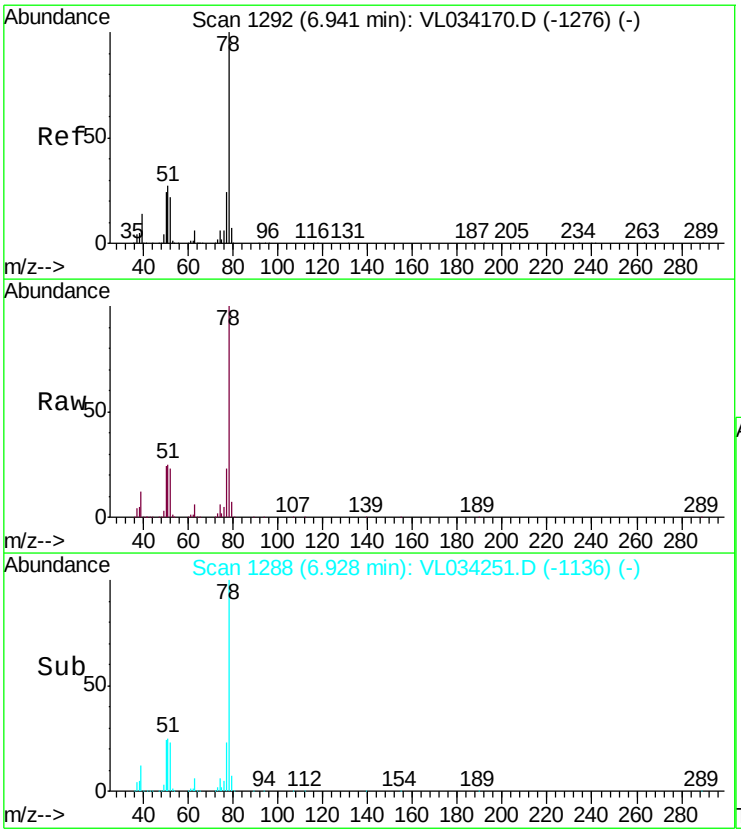
#35
Carbon Tetrachloride
Concen: 10.435 ppbv
RT: 7.06 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1553576

Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.8	113.6
121	32.9	25.0	37.6

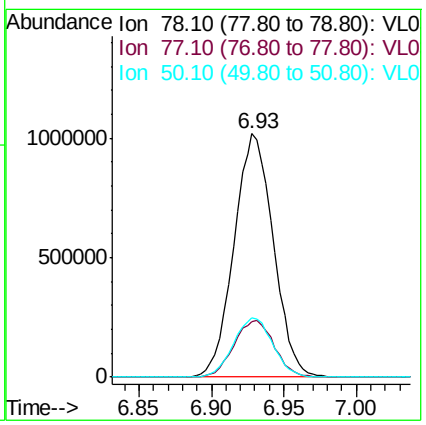


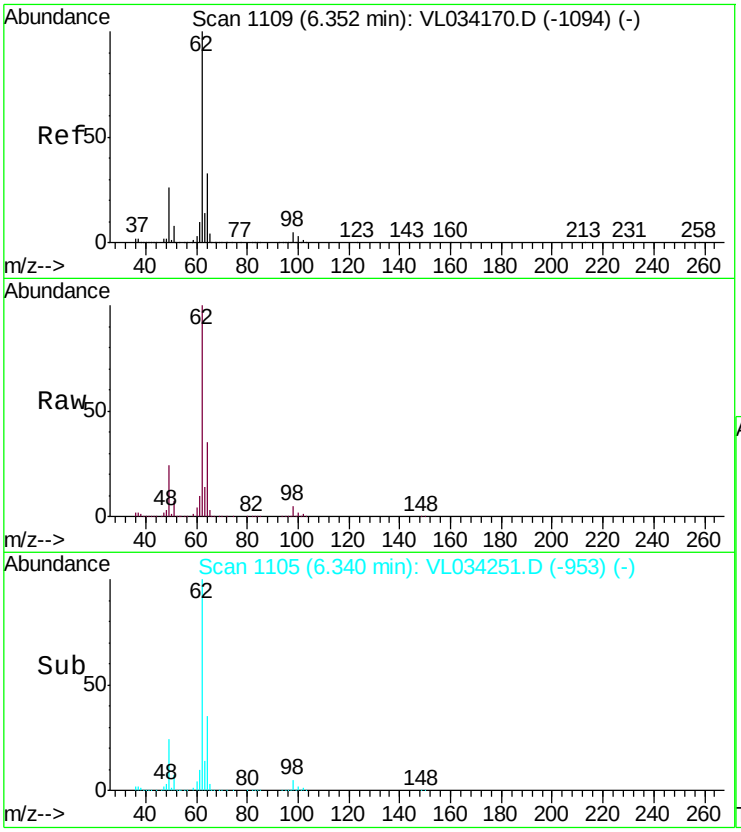


#36
Benzene
Concen: 9.688 ppbv
RT: 6.93 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 78 Resp: 1917428

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4
50	24.3	18.9	28.3



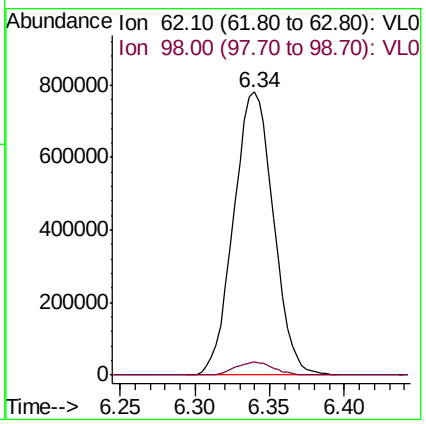


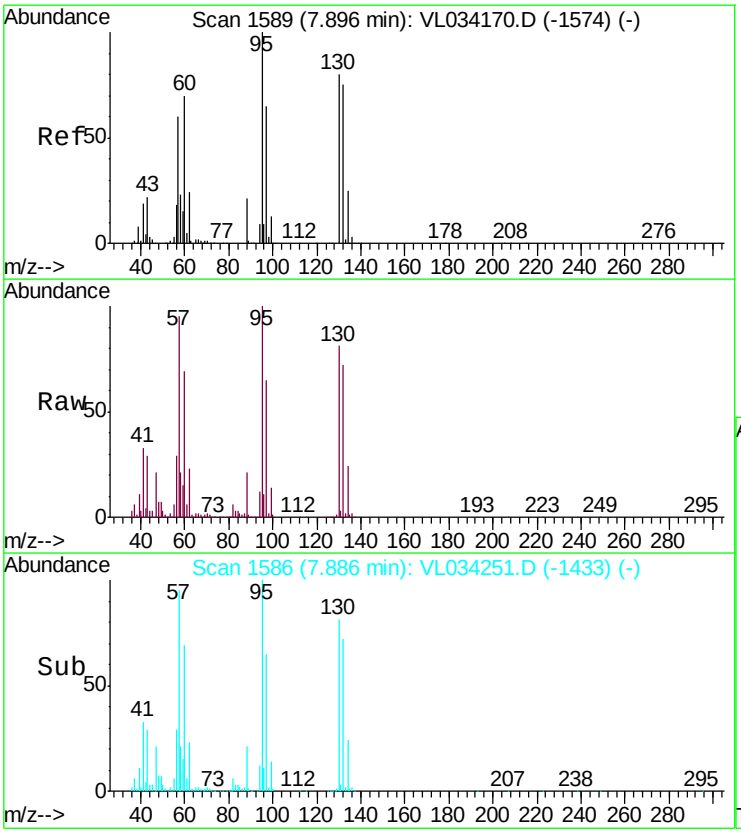
#37
1,2-Dichloroethane
Concen: 10.290 ppbv
RT: 6.34 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1448540

Ion	Ratio	Lower	Upper
62	100		
98	4.5	3.8	5.8

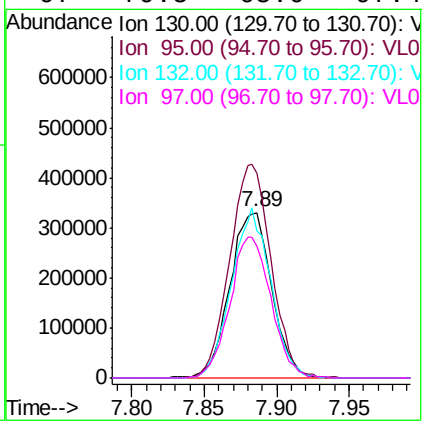


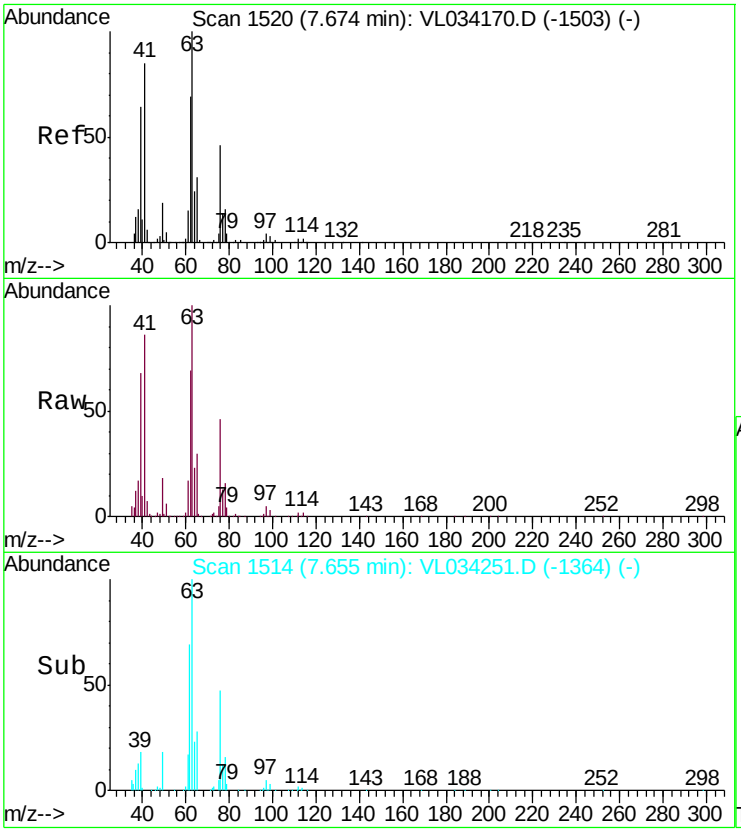


#38
Trichloroethene
Concen: 9.375 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:130 Resp: 662912

Ion	Ratio	Lower	Upper
130	100		
95	123.1	99.8	149.6
132	89.1	75.2	112.8
97	79.5	65.0	97.4



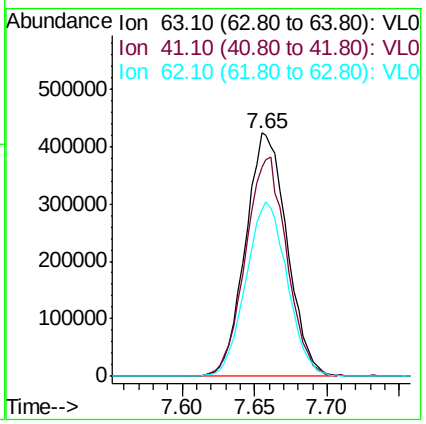


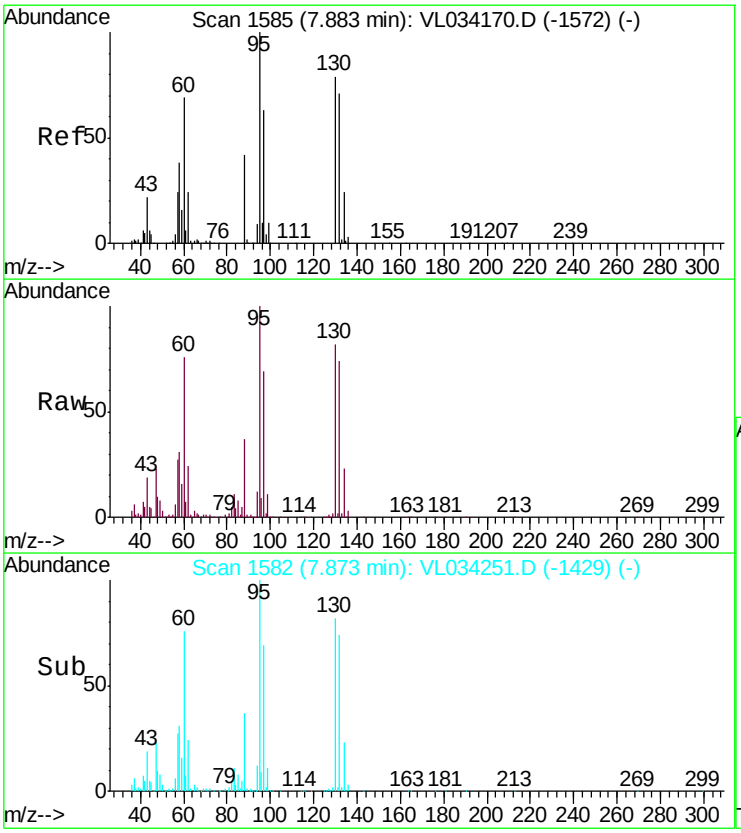
#39
1,2-Dichloropropane
Concen: 9.521 ppbv
RT: 7.65 min Scan# 1514
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 846598

Ion	Ratio	Lower	Upper
63	100		
41	85.8	68.4	102.6
62	68.5	55.4	83.2

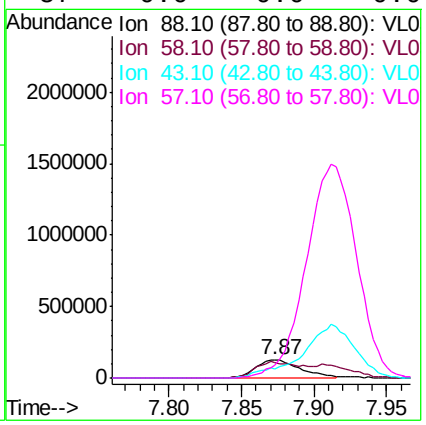


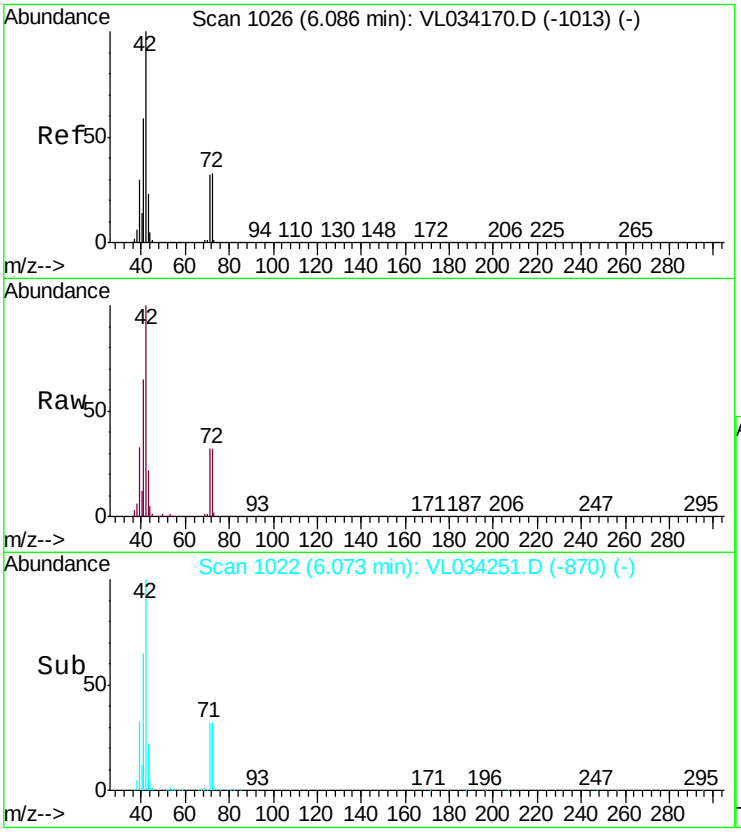


#40
1,4-Dioxane
Concen: 9.414 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 88 Resp: 270914

Ion	Ratio	Lower	Upper
88	100		
58	153.7	131.8	197.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0



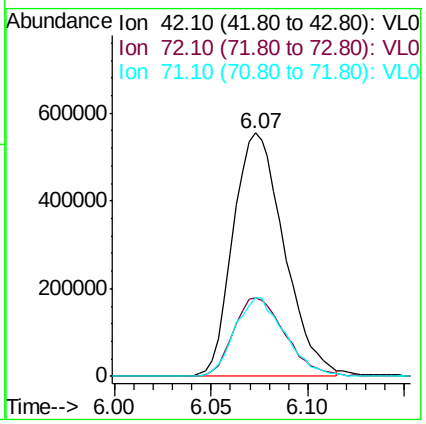


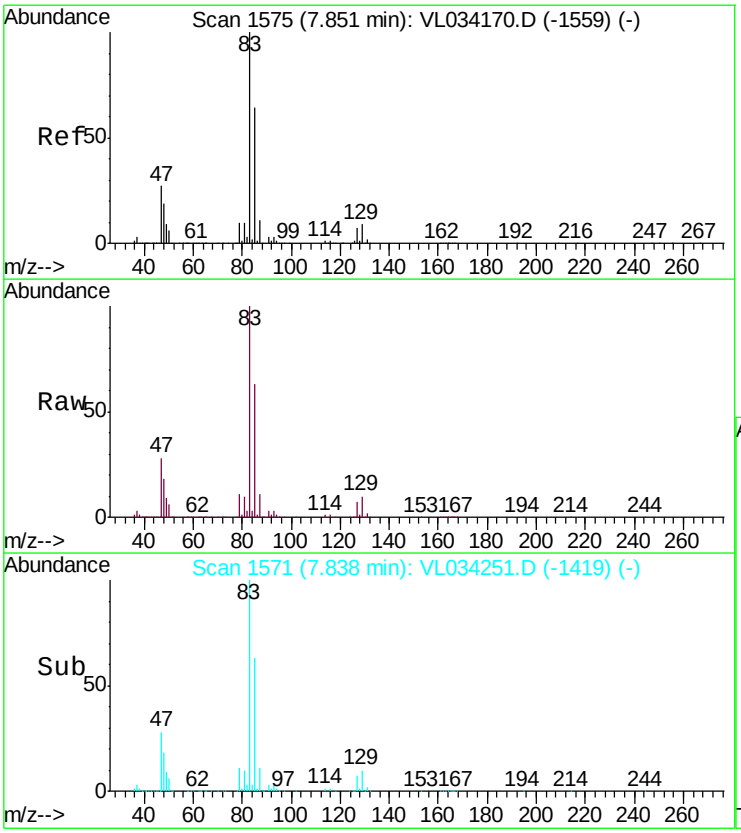
#41
Tetrahydrofuran
Concen: 9.843 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 1014371

Ion	Ratio	Lower	Upper
42	100		
72	32.8	26.6	40.0
71	32.0	25.1	37.7

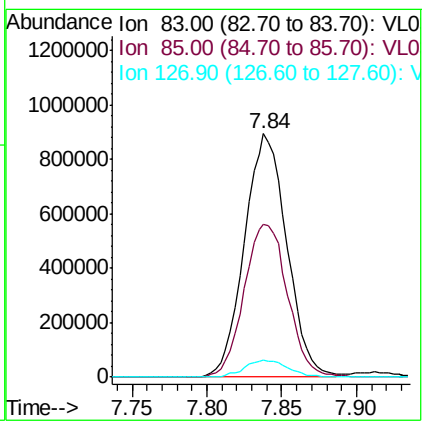


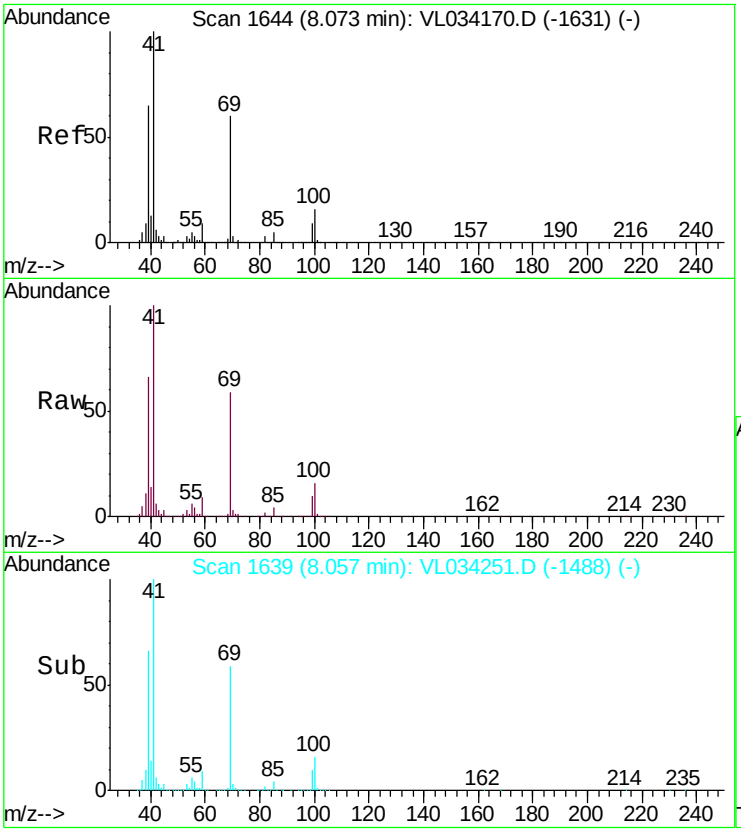


#42
Bromodichloromethane
Concen: 10.419 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 83 Resp: 1760149

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.4	77.0
127	7.1	5.5	8.3



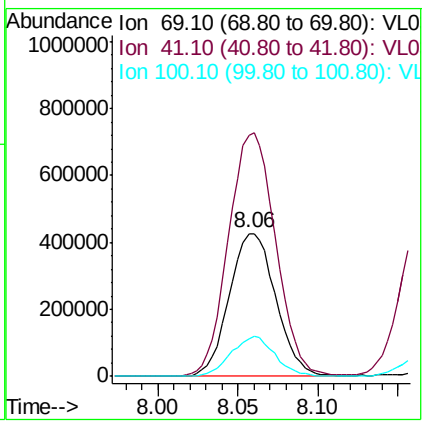


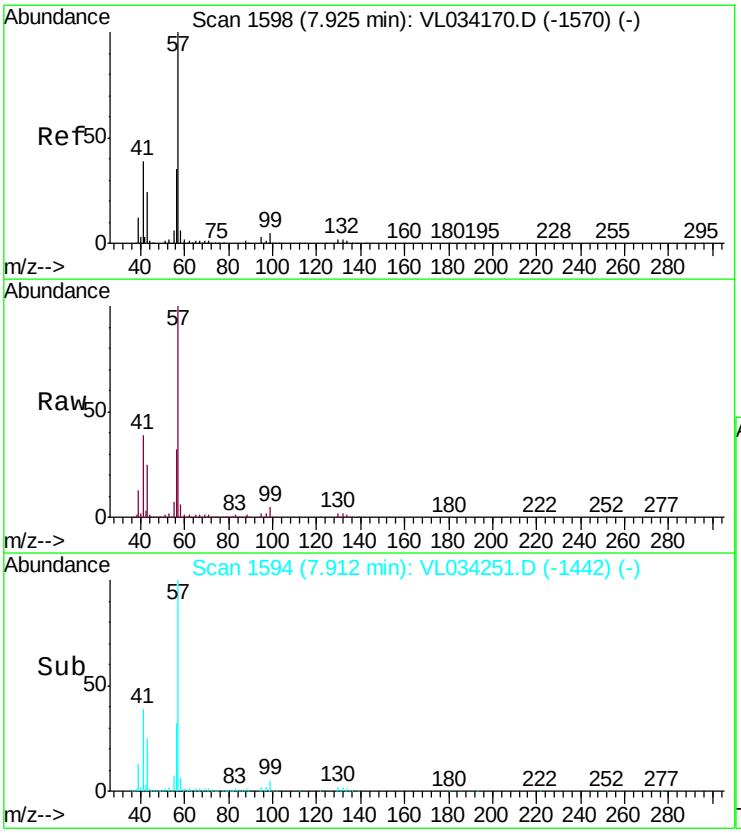
#43
Methyl Methacrylate
Concen: 10.278 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 840282

Ion	Ratio	Lower	Upper
69	100		
41	173.6	140.4	210.6
100	26.7	21.9	32.9

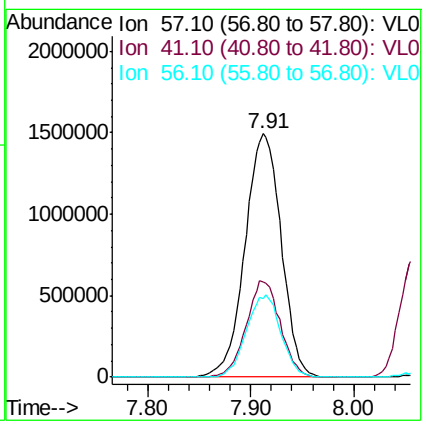


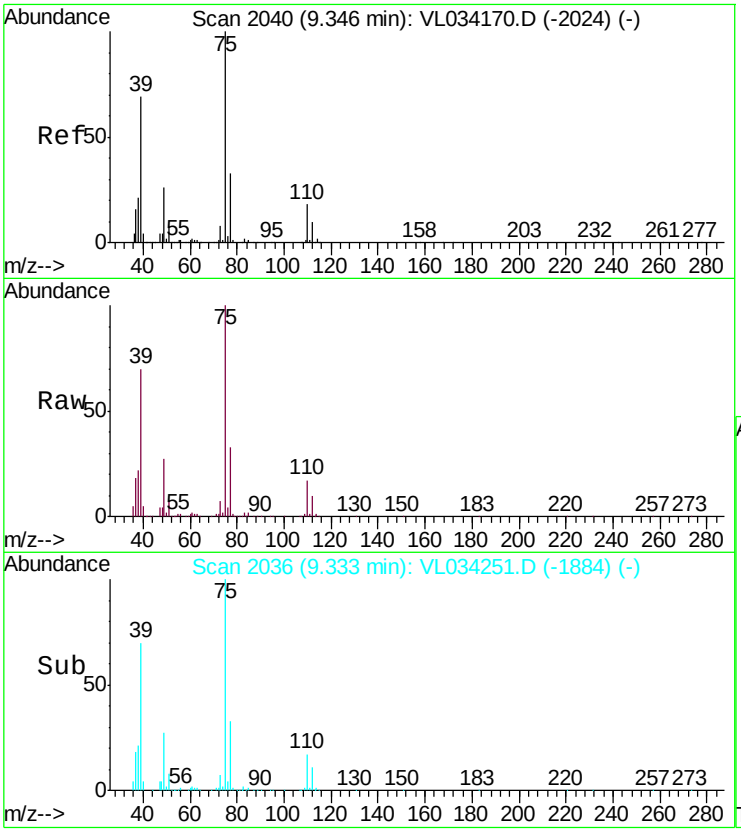


#44
2,2,4-Trimethylpentane
Concen: 9.520 ppbv
RT: 7.91 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 57 Resp: 3626993

Ion	Ratio	Lower	Upper
57	100		
41	37.3	29.8	44.6
56	32.2	25.9	38.9



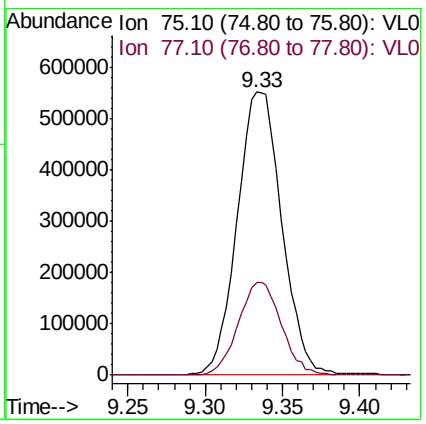


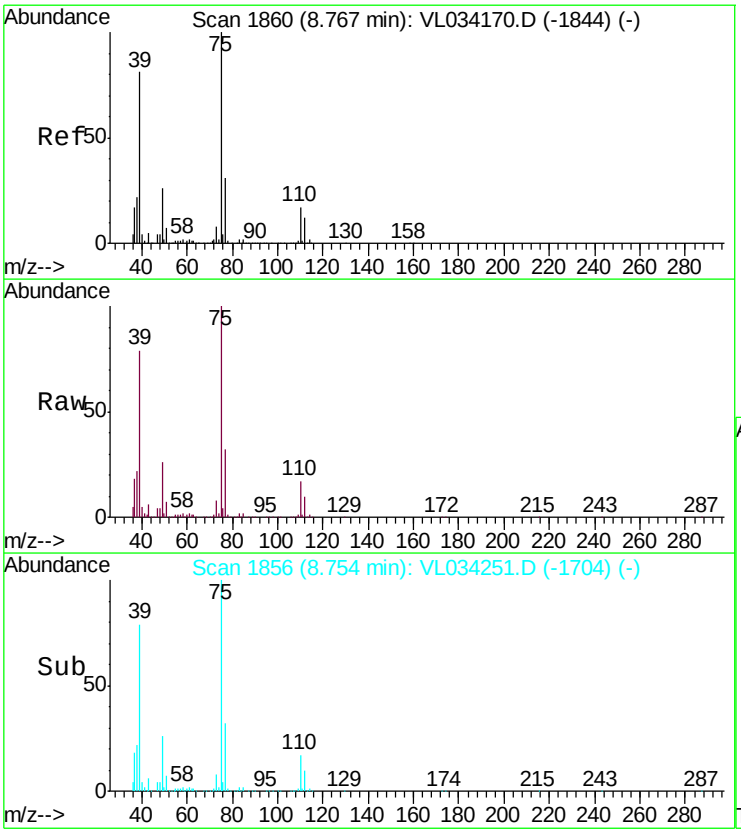
#45
t-1,3-Dichloropropene
Concen: 11.434 ppbv
RT: 9.33 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1105271

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.2	39.2

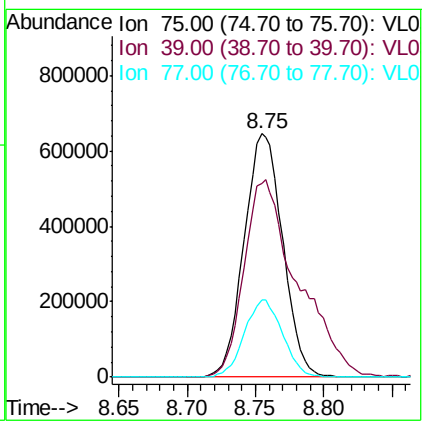


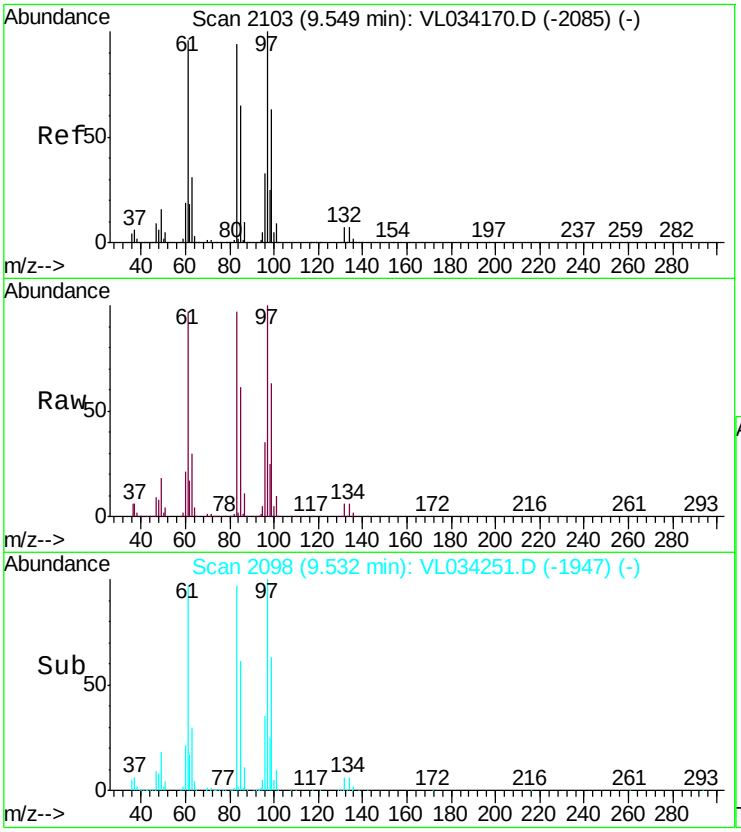


#46
cis-1,3-Dichloropropene
Concen: 10.886 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 75 Resp: 1265842

Ion	Ratio	Lower	Upper
75	100		
39	79.3	65.0	97.4
77	31.7	24.5	36.7



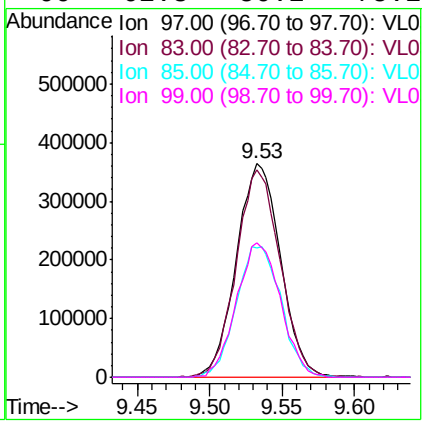


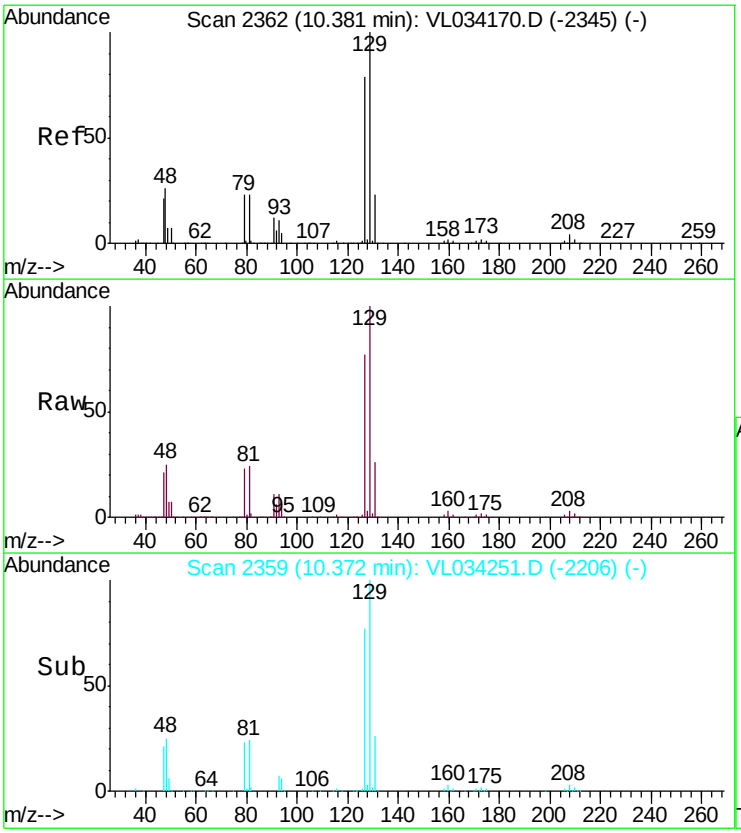
#47
1,1,2-Trichloroethane
Concen: 9.618 ppbv
RT: 9.53 min Scan# 2098
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 768018

Ion	Ratio	Lower	Upper
97	100		
83	97.1	75.3	112.9
85	60.6	52.1	78.1
99	62.8	50.2	75.2

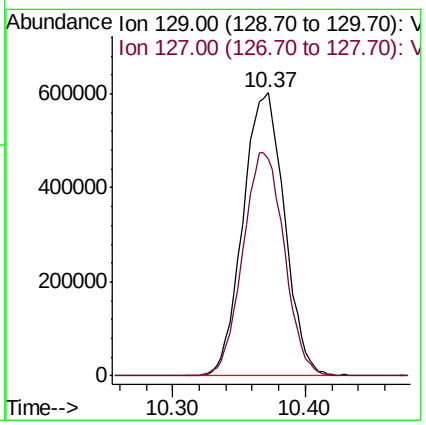


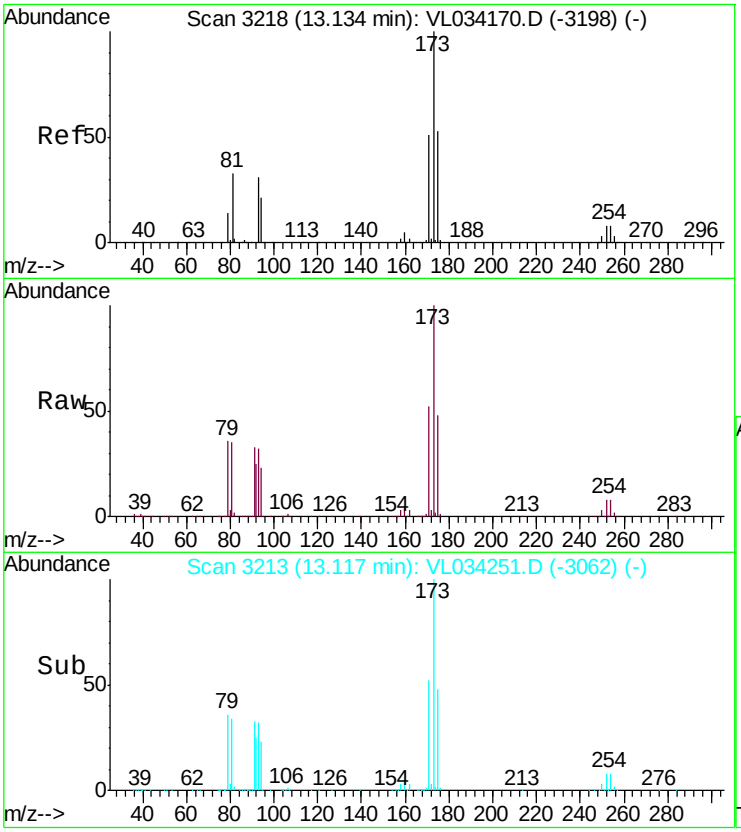


#48
Dibromochloromethane
Concen: 10.382 ppbv
RT: 10.37 min Scan# 2359
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:129 Resp: 1313911

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.2	117.6



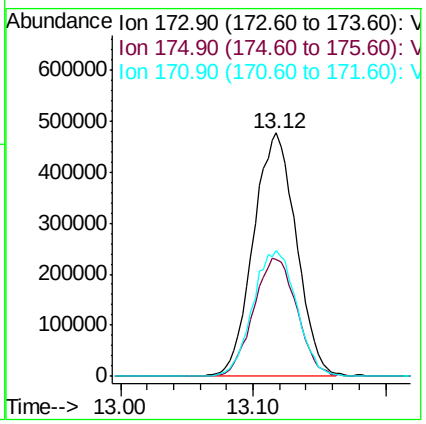


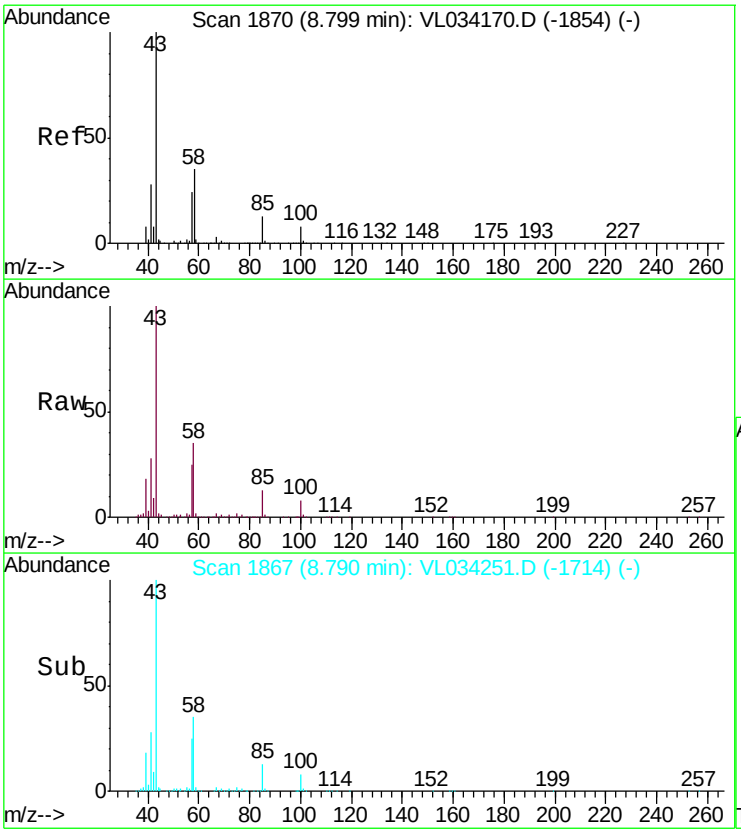
#49
Bromoform
Concen: 10.478 ppbv
RT: 13.12 min Scan# 3213
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1073128

Ion	Ratio	Lower	Upper
173	100		
175	49.2	40.3	60.5
171	52.9	42.0	63.0

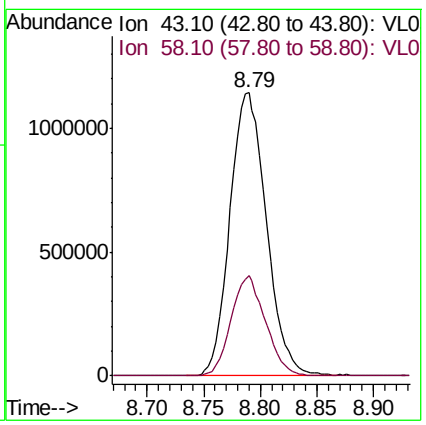


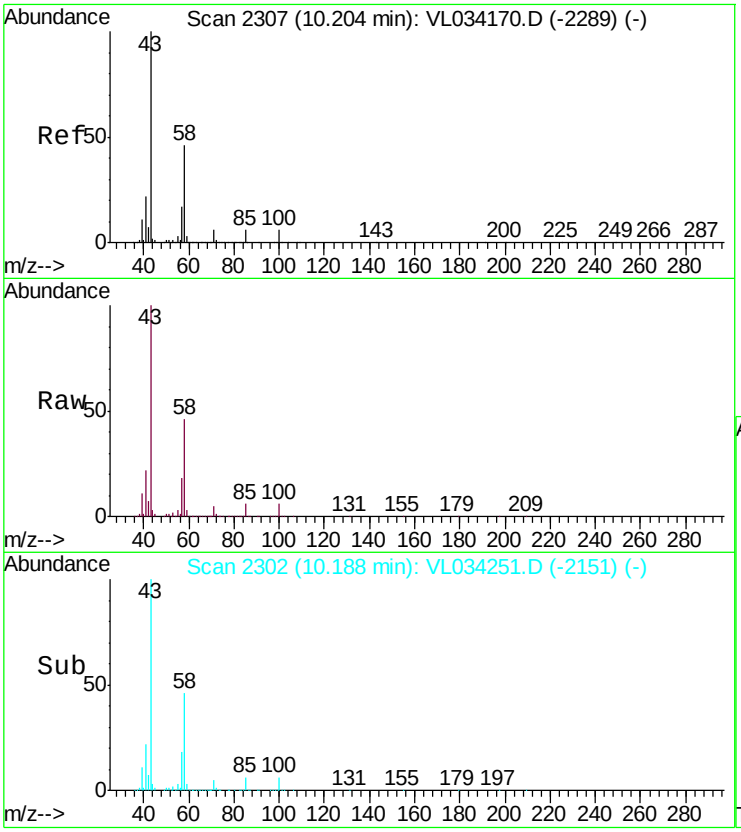


#50
4-Methyl-2-Pentanone
Concen: 9.623 ppbv
RT: 8.79 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 43 Resp: 2562429

Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.6	41.4



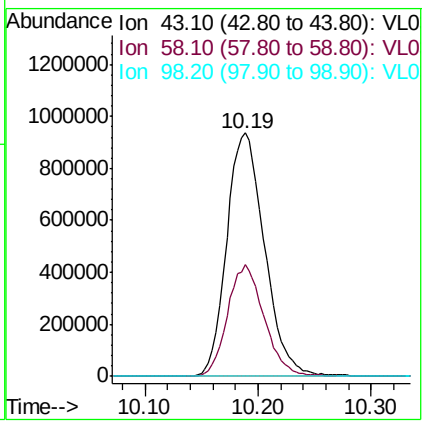


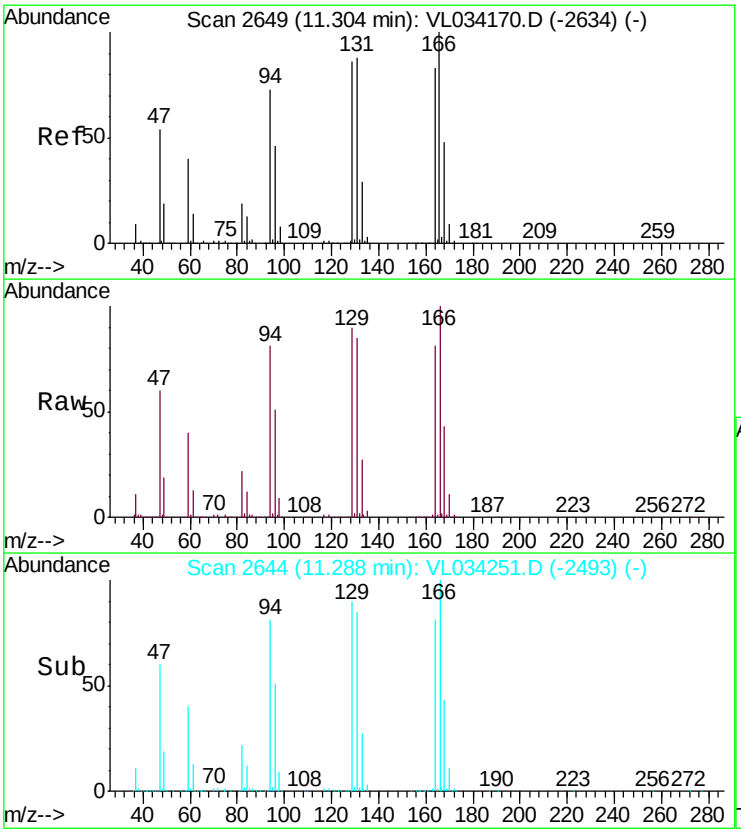
#51
2-Hexanone
Concen: 9.733 ppbv
RT: 10.19 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2175069

Ion	Ratio	Lower	Upper
43	100		
58	44.3	36.2	54.4
98	0.2	0.2	0.2

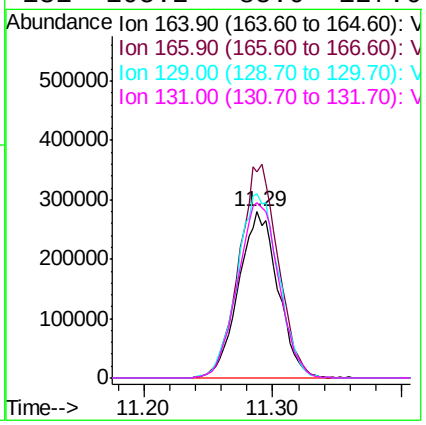


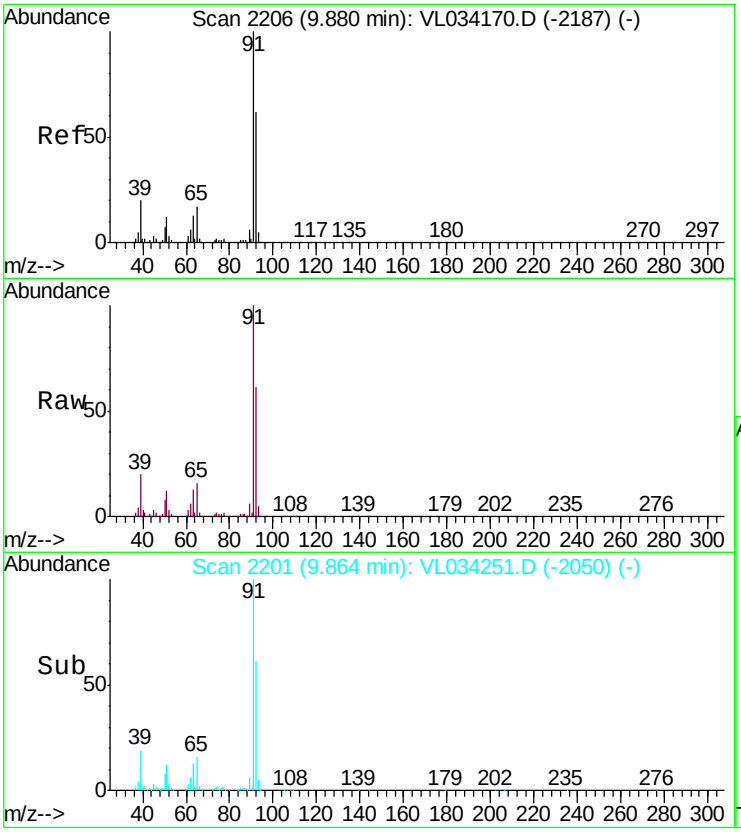


#52
Tetrachloroethene
Concen: 9.079 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:164 Resp: 593649

Ion	Ratio	Lower	Upper
164	100		
166	123.7	96.7	145.1
129	111.0	82.8	124.2
131	105.2	85.0	127.6



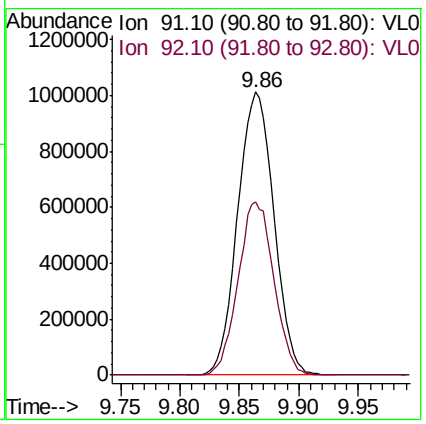


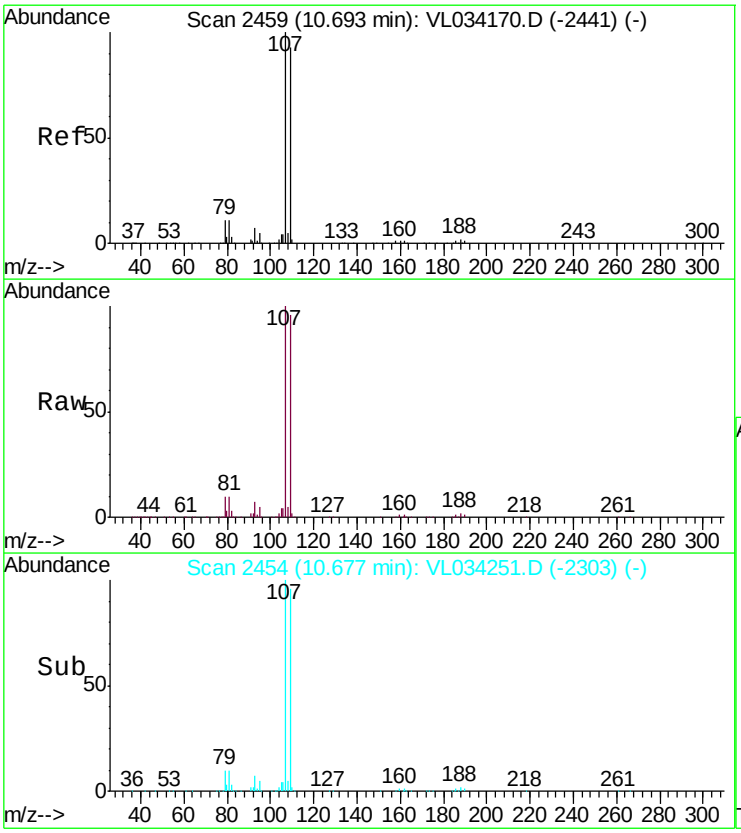
#53
Toluene
Concen: 9.903 ppbv
RT: 9.86 min Scan# 2201
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2141975

Ion	Ratio	Lower	Upper
91	100		
92	60.4	49.0	73.6

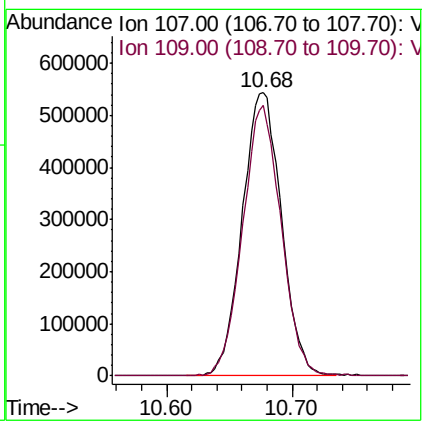


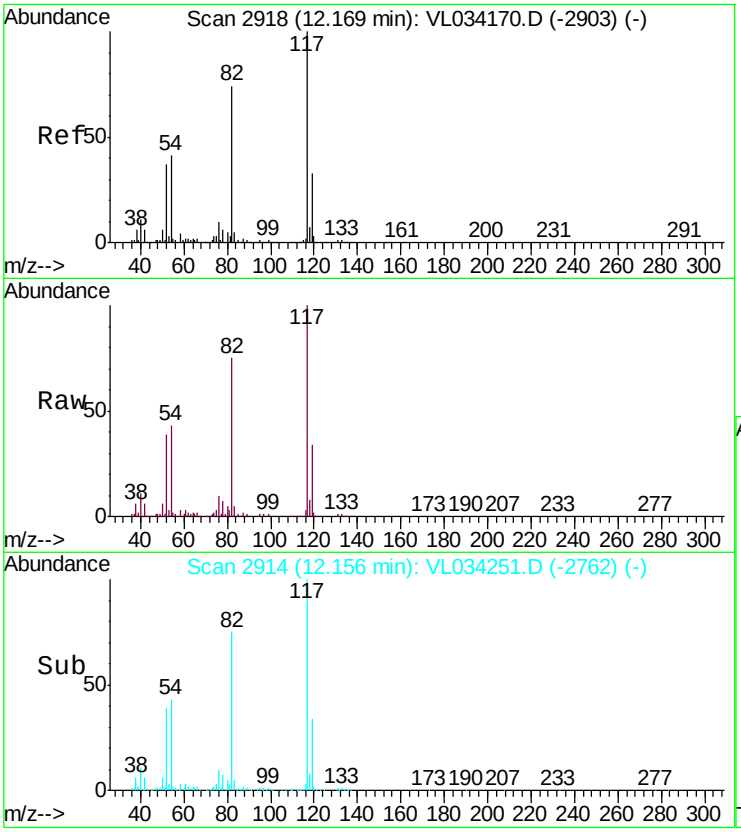


#54
1,2-Dibromoethane
Concen: 9.970 ppbv
RT: 10.68 min Scan# 2454
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:107 Resp: 1183887

Ion	Ratio	Lower	Upper
107	100		
109	95.6	74.5	111.7



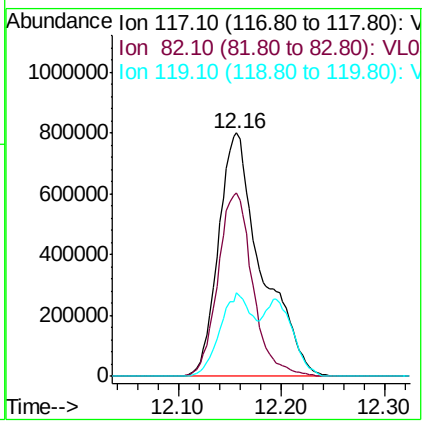


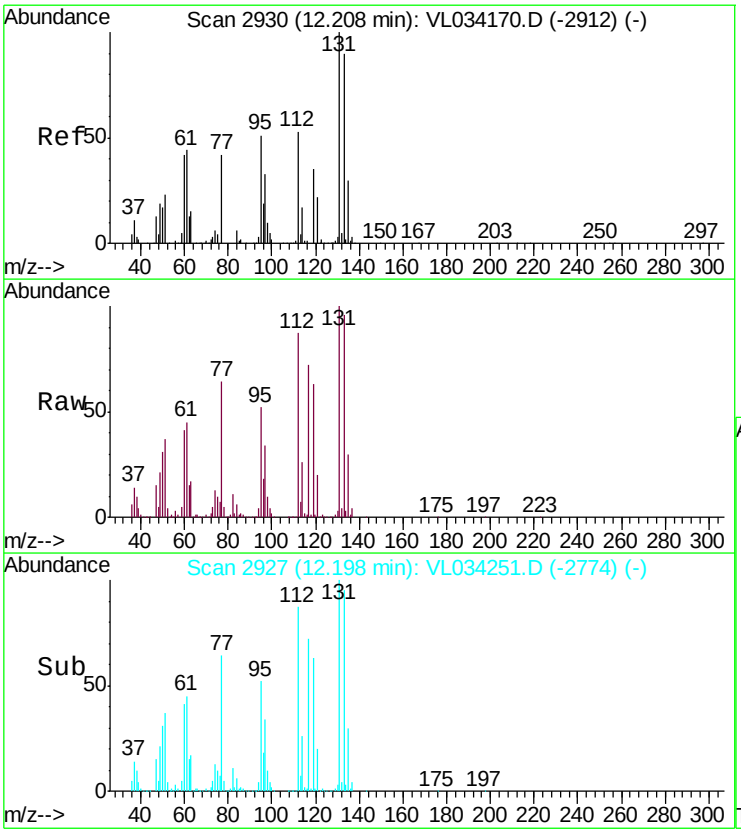
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2327280

Ion	Ratio	Lower	Upper
117	100		
82	61.0	58.2	87.4
119	26.7	23.7	35.5

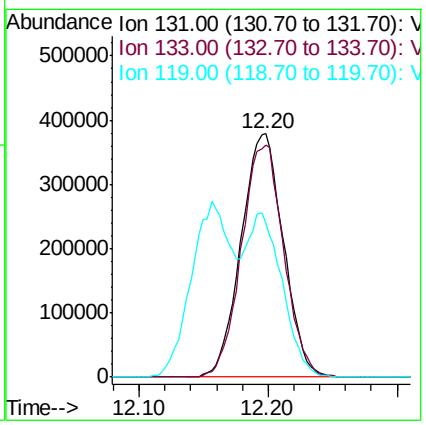


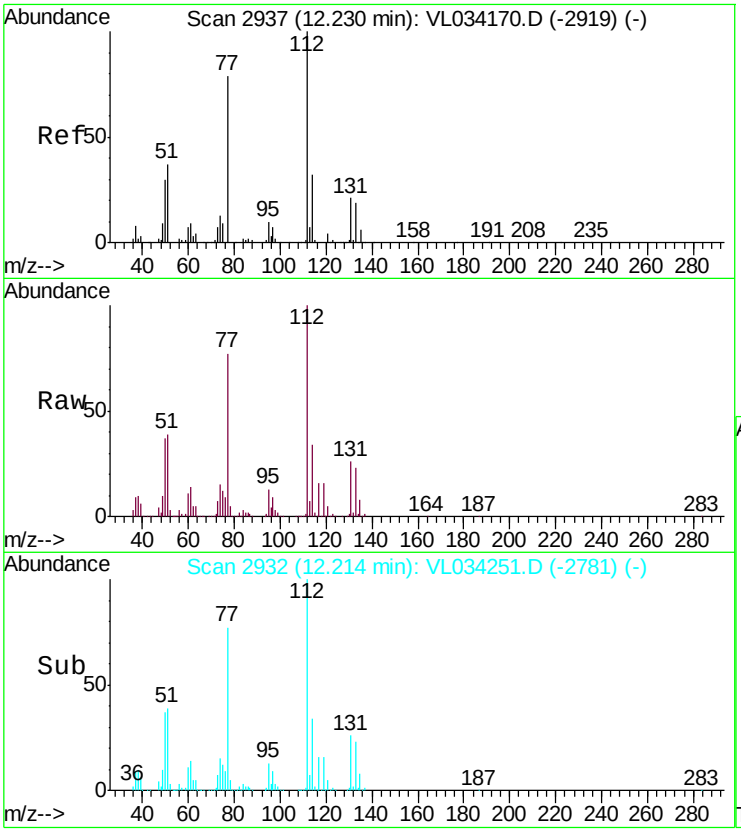


#56
1,1,1,2-Tetrachloroethane
Concen: 8.335 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:131 Resp: 865096

Ion	Ratio	Lower	Upper
131	100		
133	95.6	75.1	112.7
119	56.2	47.4	71.0



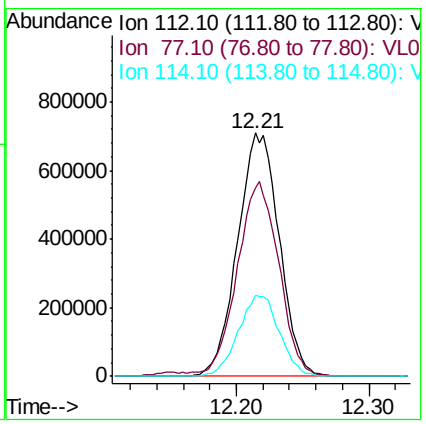


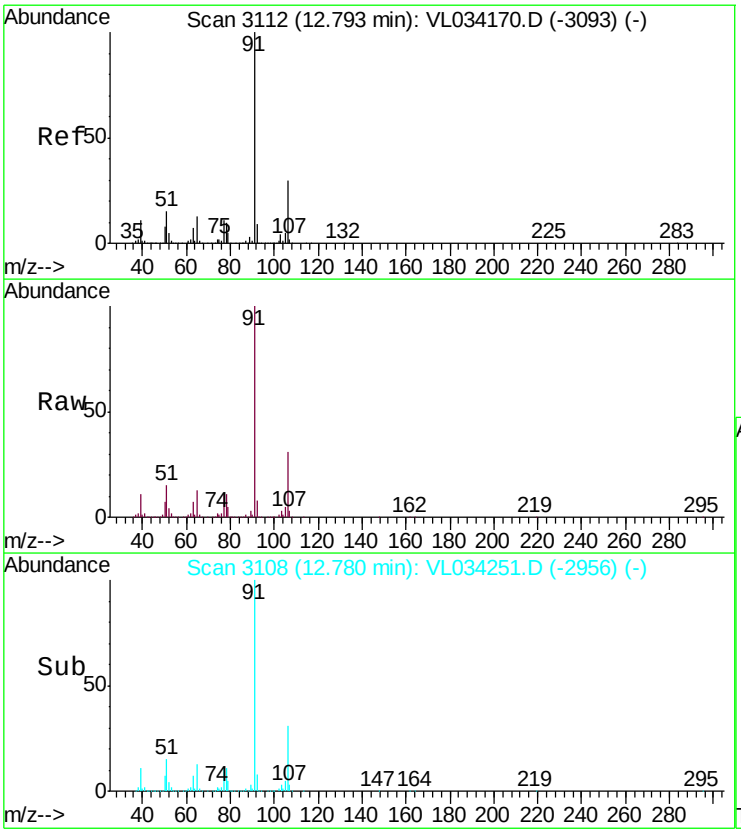
#57
Chlorobenzene
Concen: 7.640 ppbv
RT: 12.21 min Scan# 2932
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1548141

Ion	Ratio	Lower	Upper
112	100		
77	77.0	64.3	96.5
114	33.6	28.9	35.3

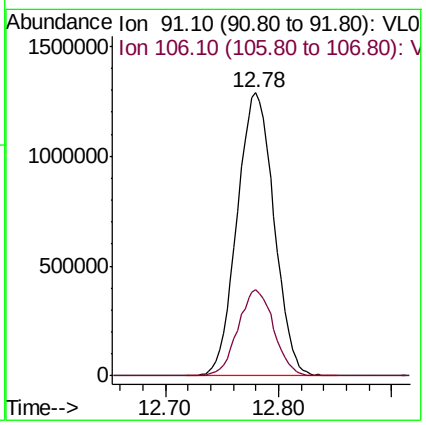


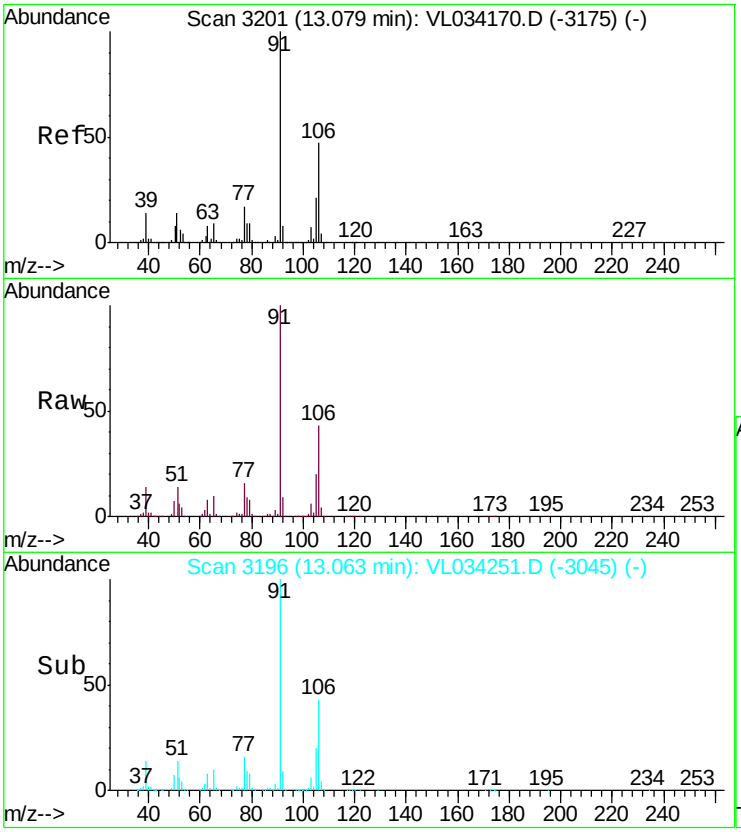


#58
Ethyl Benzene
Concen: 7.798 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 91 Resp: 2928150

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.4



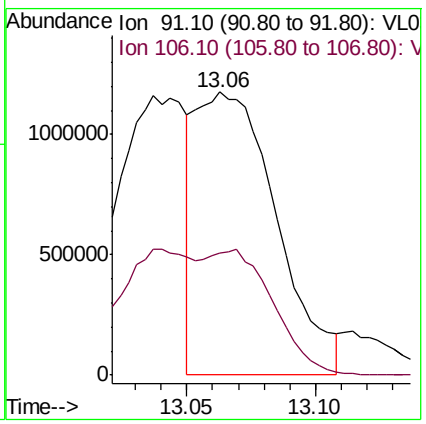


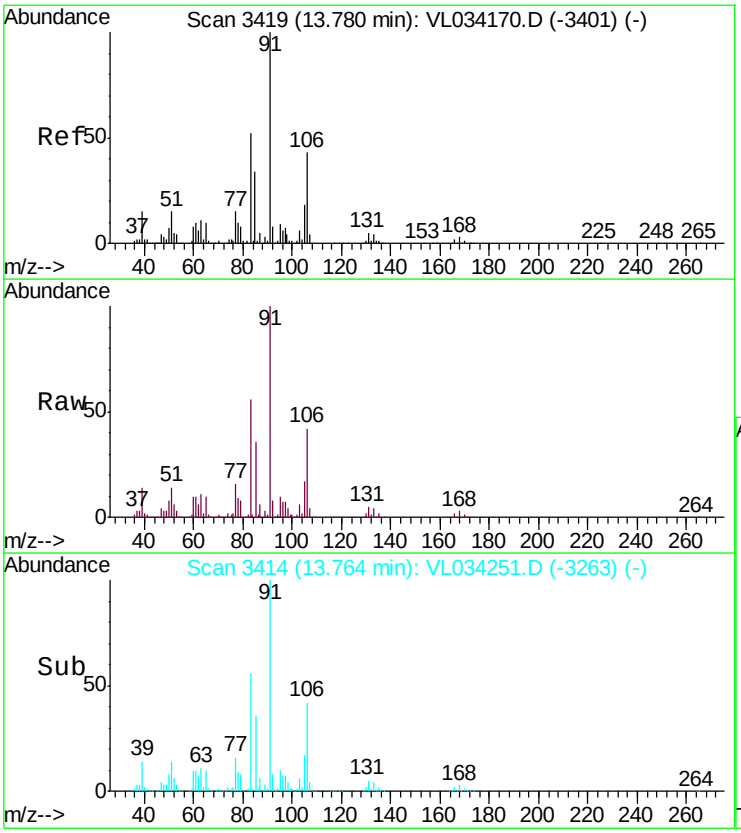
#59
m/p-Xylene
Concen: 8.190 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2547200

Ion	Ratio	Lower	Upper
91	100		
106	80.8	35.5	53.3#

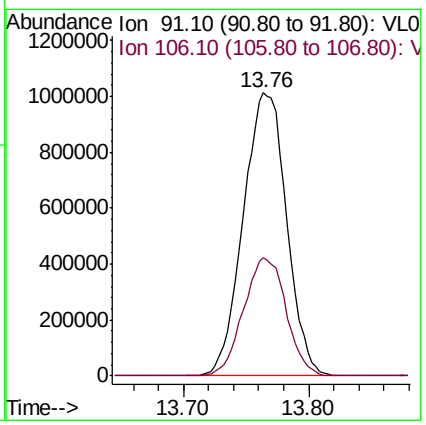


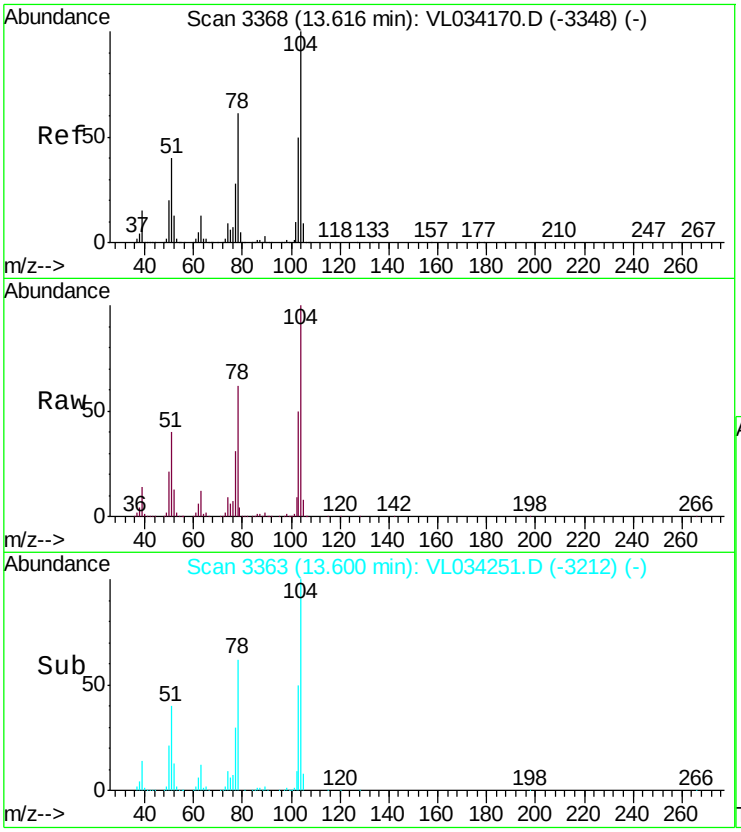


#60
o-Xylene
Concen: 7.812 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 91 Resp: 2429533

Ion	Ratio	Lower	Upper
91	100		
106	41.1	21.2	63.6



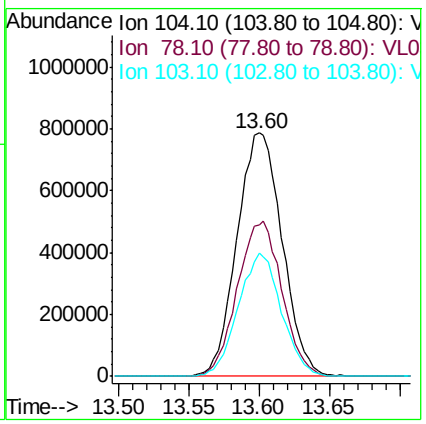


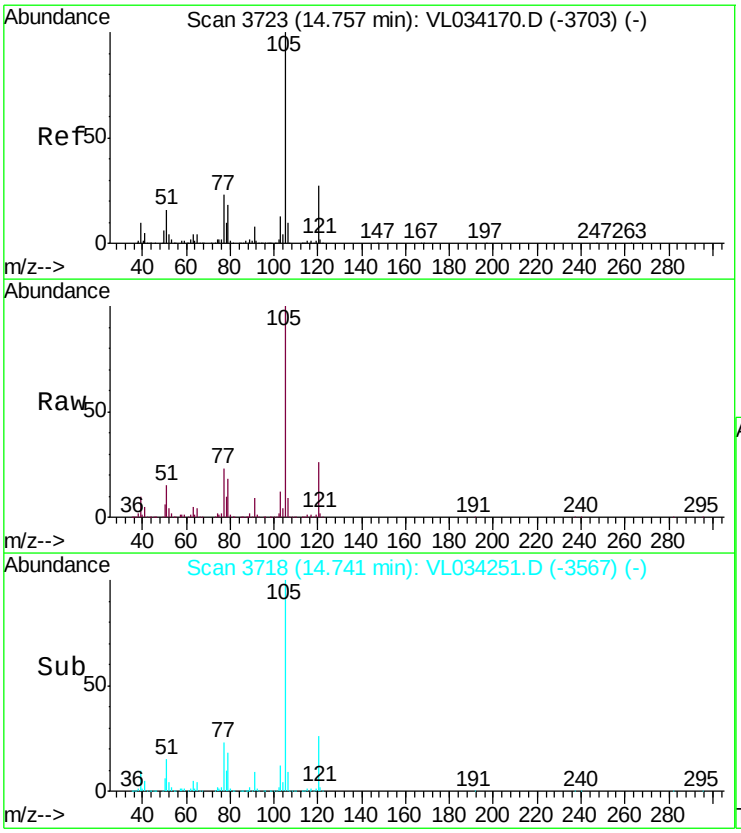
#61
Styrene
Concen: 7.911 ppbv
RT: 13.60 min Scan# 3363
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1762366

Ion	Ratio	Lower	Upper
104	100		
78	63.0	49.7	74.5
103	48.5	38.4	57.6

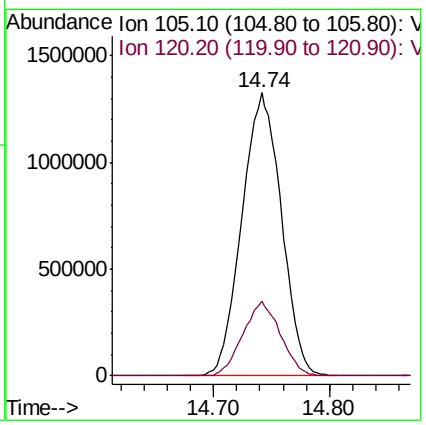


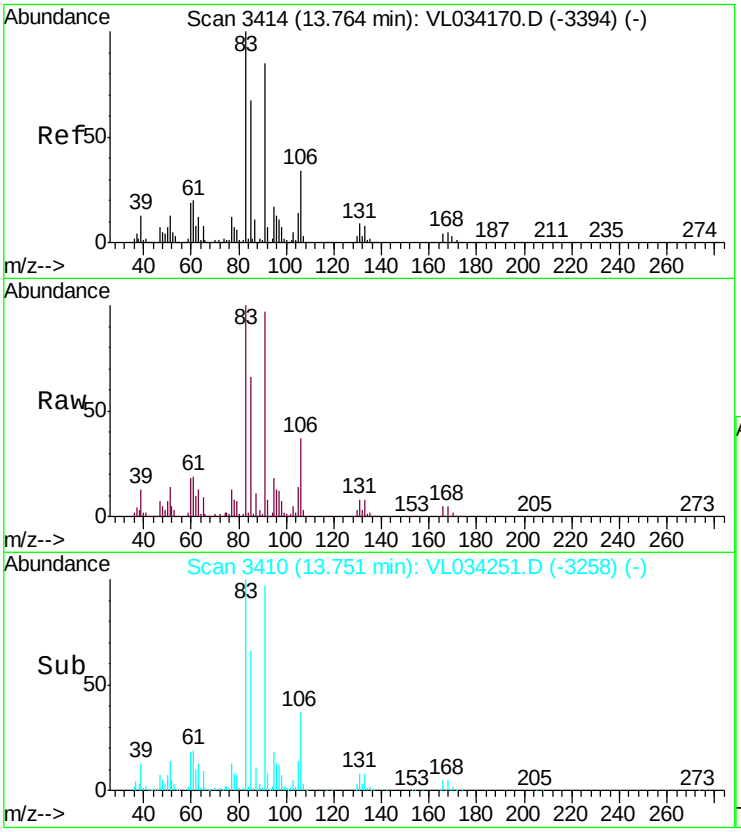


#62
Isopropylbenzene
Concen: 7.788 ppbv
RT: 14.74 min Scan# 3718
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:105 Resp: 3135490

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.7	31.1



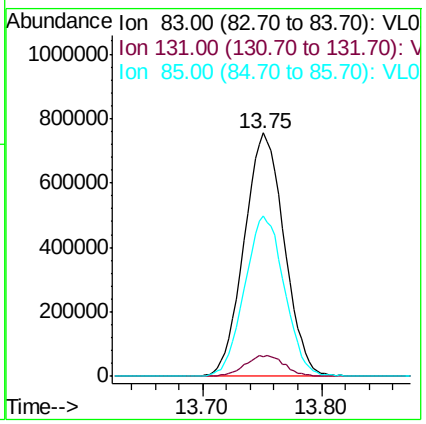


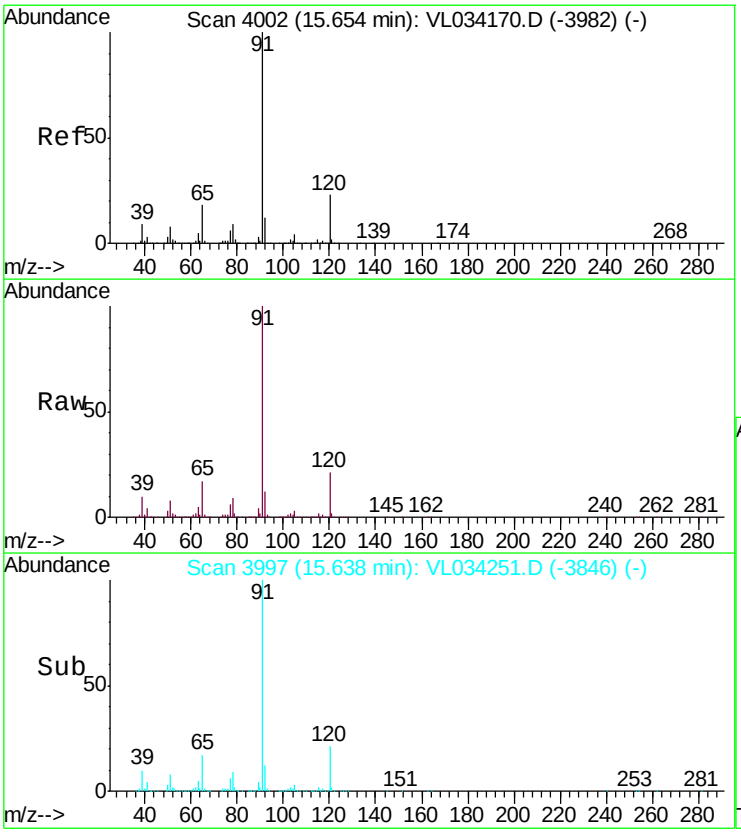
#63
1,1,2,2-Tetrachloroethane
Concen: 6.890 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1757198

Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.3	12.8
85	65.6	32.8	98.4

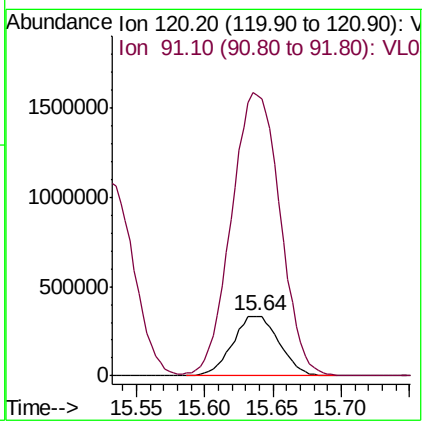


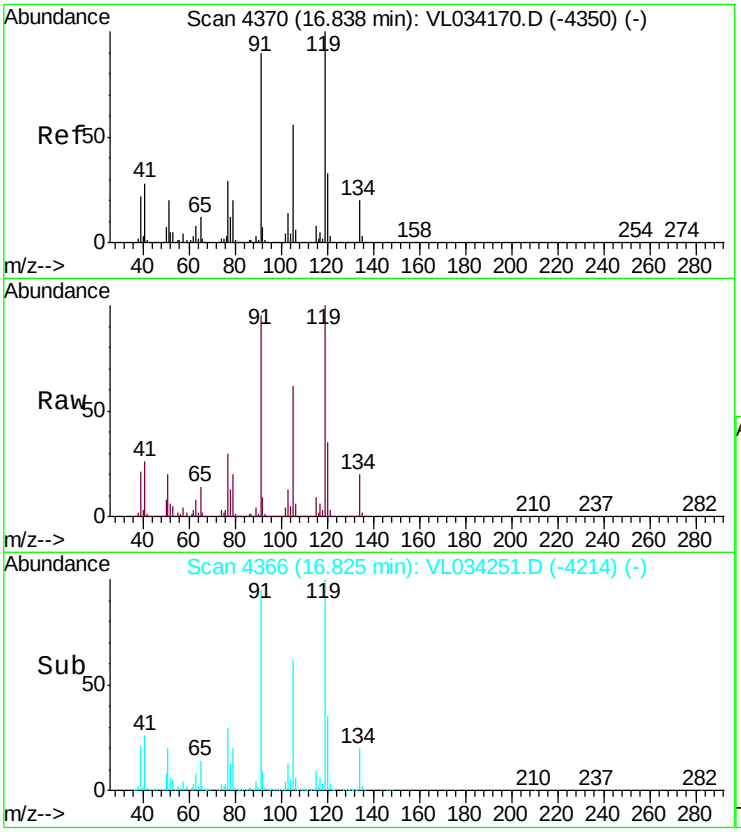


#64
n-propylbenzene
Concen: 7.793 ppbv
RT: 15.64 min Scan# 3997
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:120 Resp: 793794

Ion	Ratio	Lower	Upper
120	100		
91	496.8	378.2	567.2



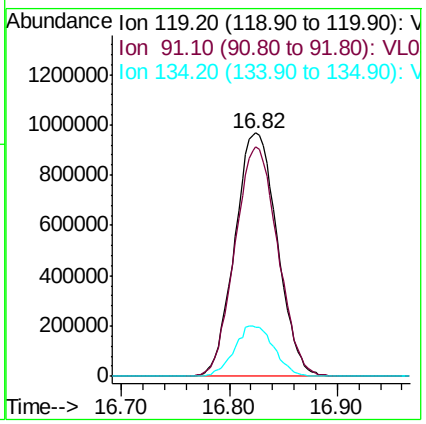


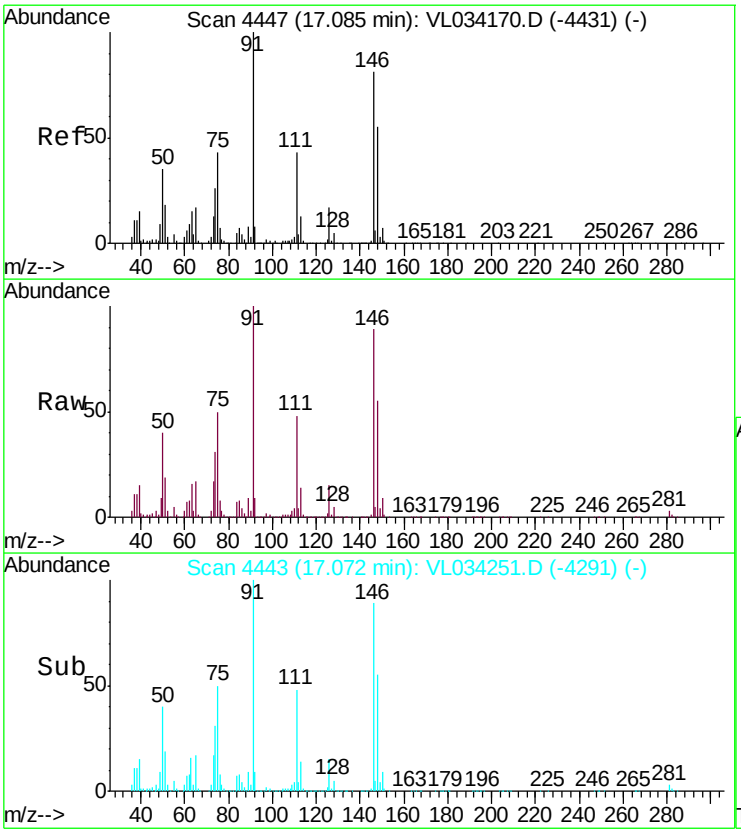
#65
tert-Butylbenzene
Concen: 7.530 ppbv
RT: 16.82 min Scan# 4366
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 2648865

Ion	Ratio	Lower	Upper
119	100		
91	95.2	74.9	112.3
134	19.3	15.8	23.6

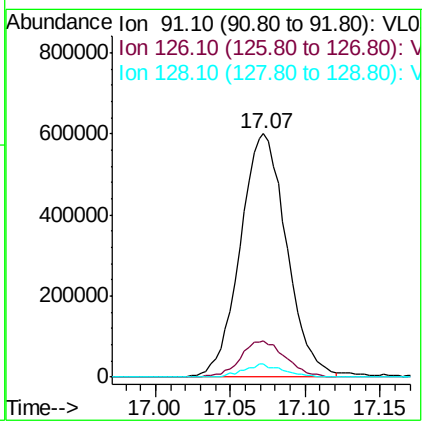


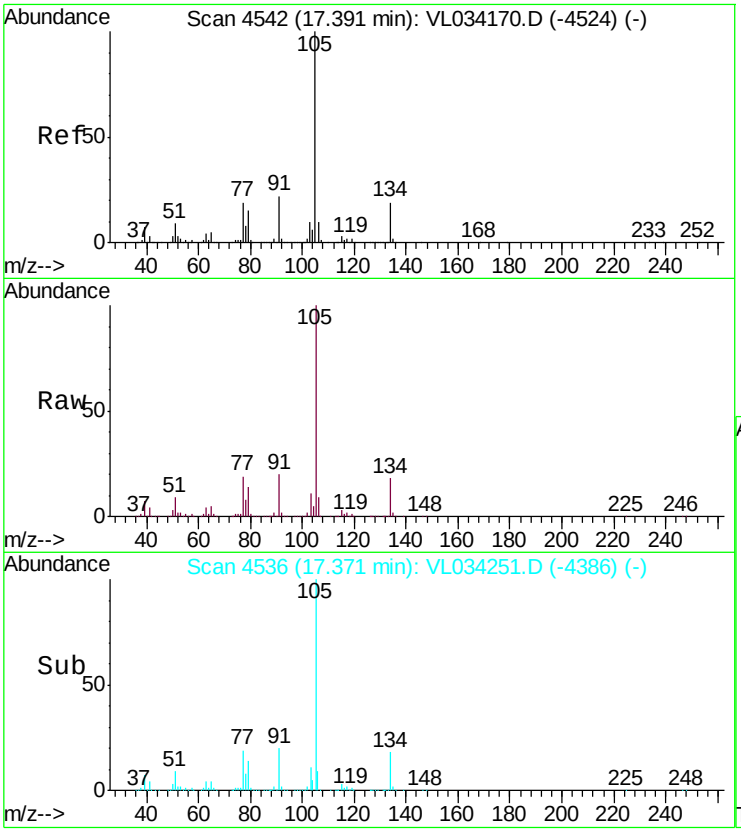


#66
Benzyl Chloride
Concen: 10.322 ppbv
RT: 17.07 min Scan# 4443
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 91 Resp: 1284627

Ion	Ratio	Lower	Upper
91	100		
126	14.7	12.6	19.0
128	4.7	4.0	6.0



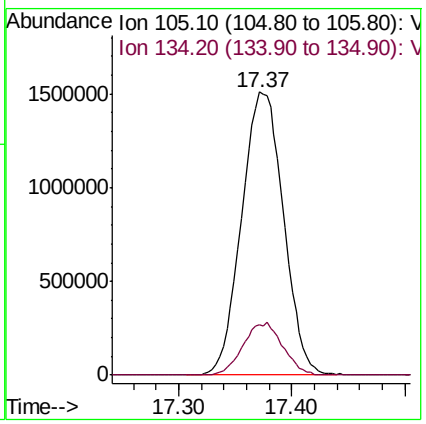


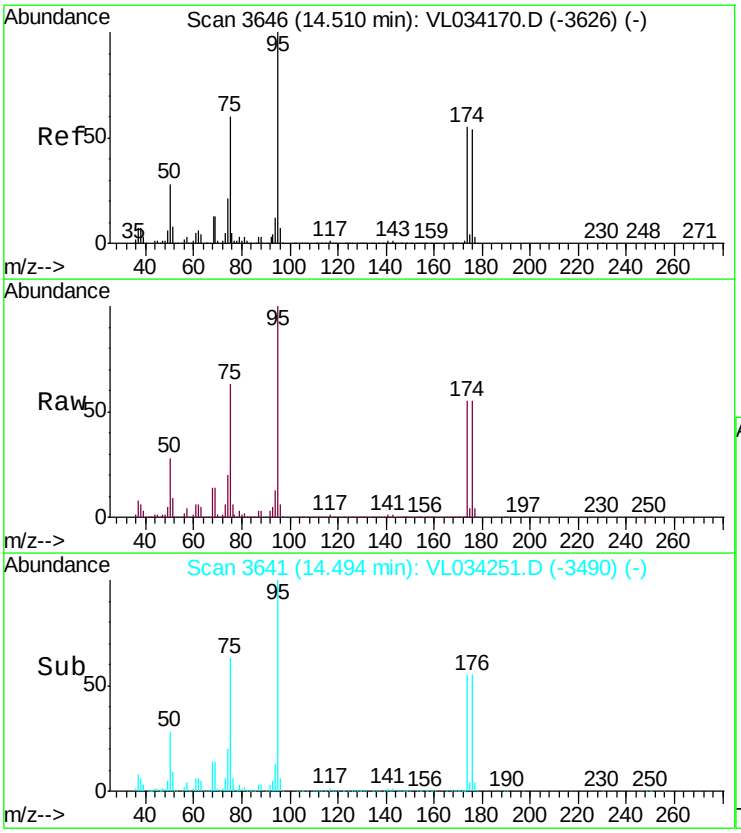
#67
sec-Butylbenzene
Concen: 7.716 ppbv
RT: 17.37 min Scan# 4536
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 3881580

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.6	22.0

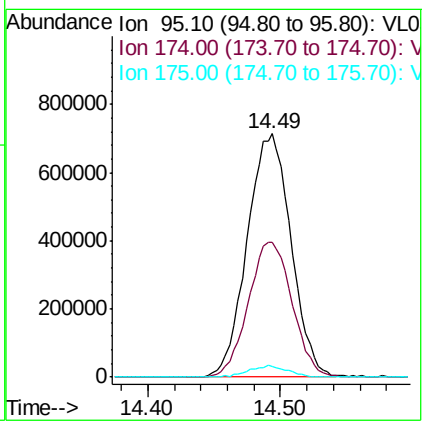


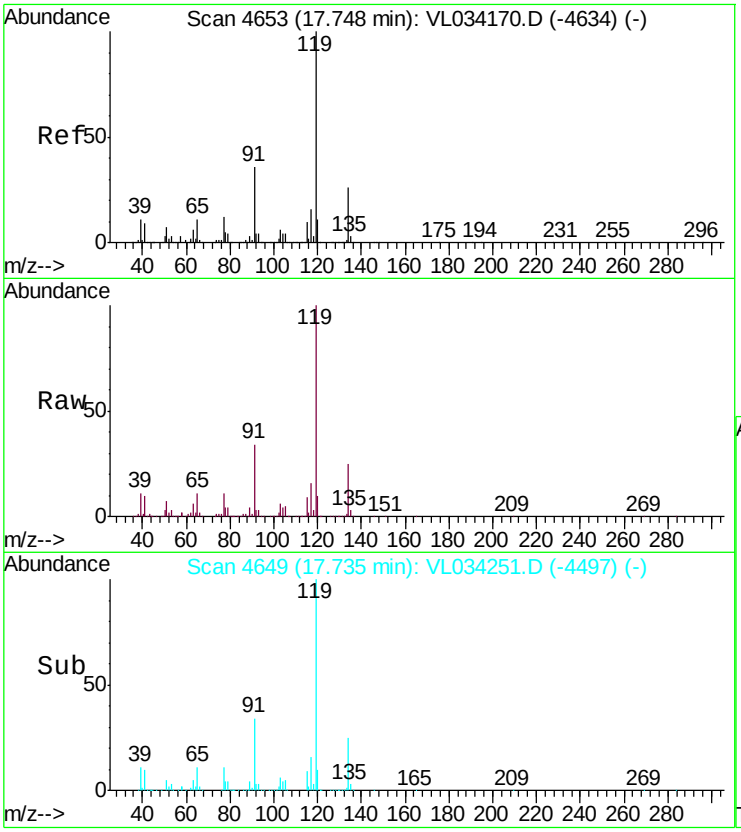


#68
1-Bromo-4-Fluorobenzene
Concen: 8.118 ppbv
RT: 14.49 min Scan# 3641
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 95 Resp: 1641587

Ion	Ratio	Lower	Upper
95	100		
174	55.7	45.1	67.7
175	4.2	3.3	4.9



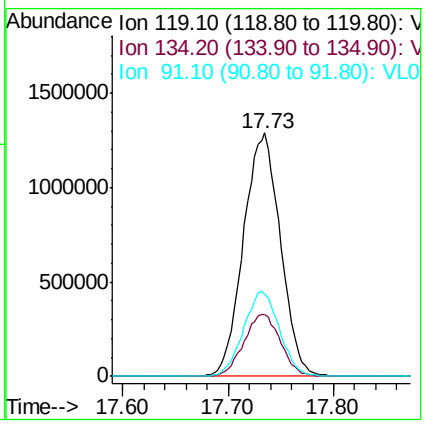


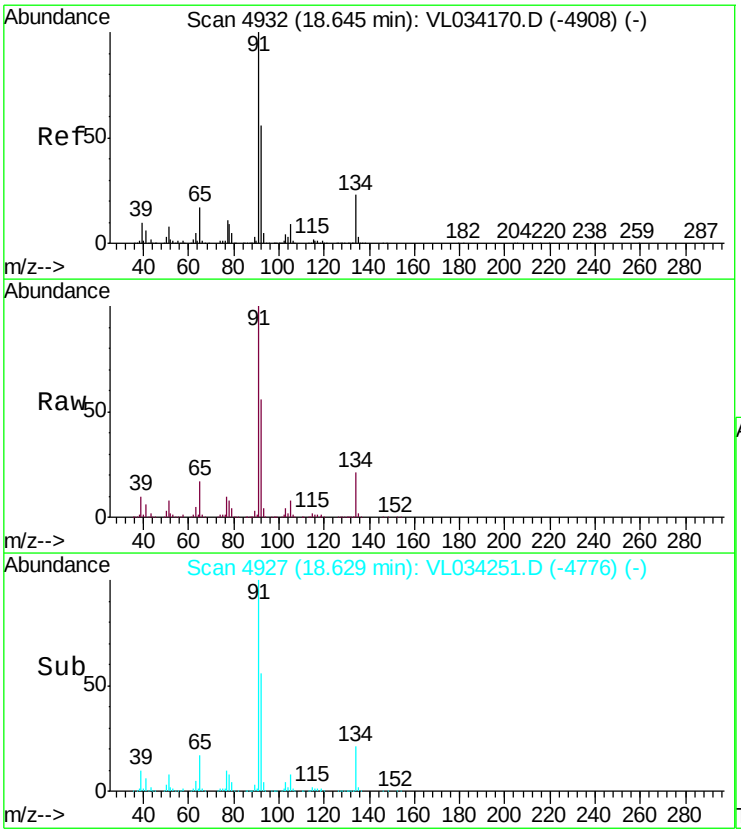
#69
p-Isopropyltoluene
Concen: 7.698 ppbv
RT: 17.73 min Scan# 4649
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3135637

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	30.8
91	33.9	27.6	41.4

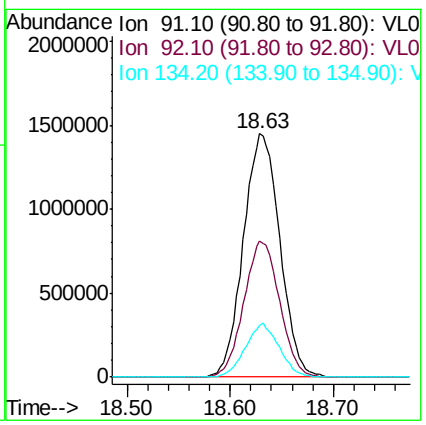


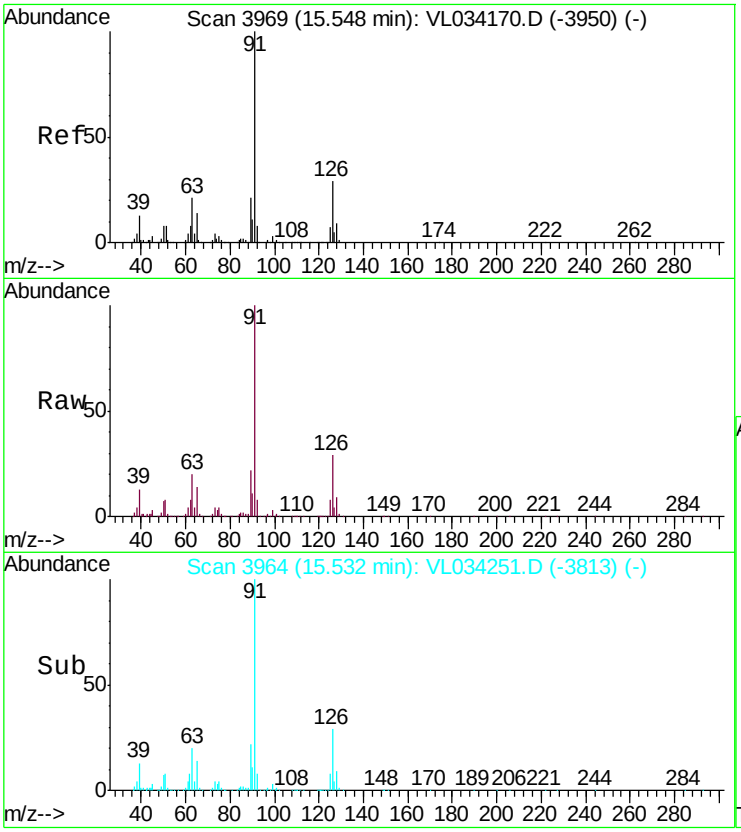


#70
n-Butylbenzene
Concen: 7.490 ppbv
RT: 18.63 min Scan# 4927
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 91 Resp: 3552366

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.8	67.2
134	20.5	17.3	25.9



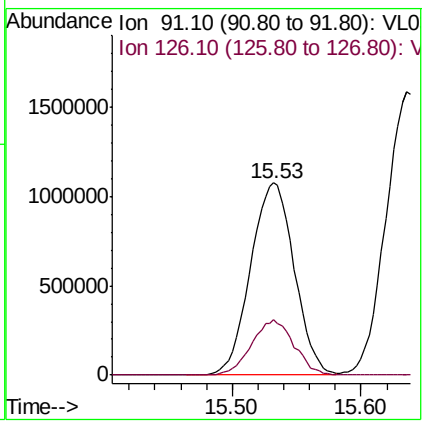


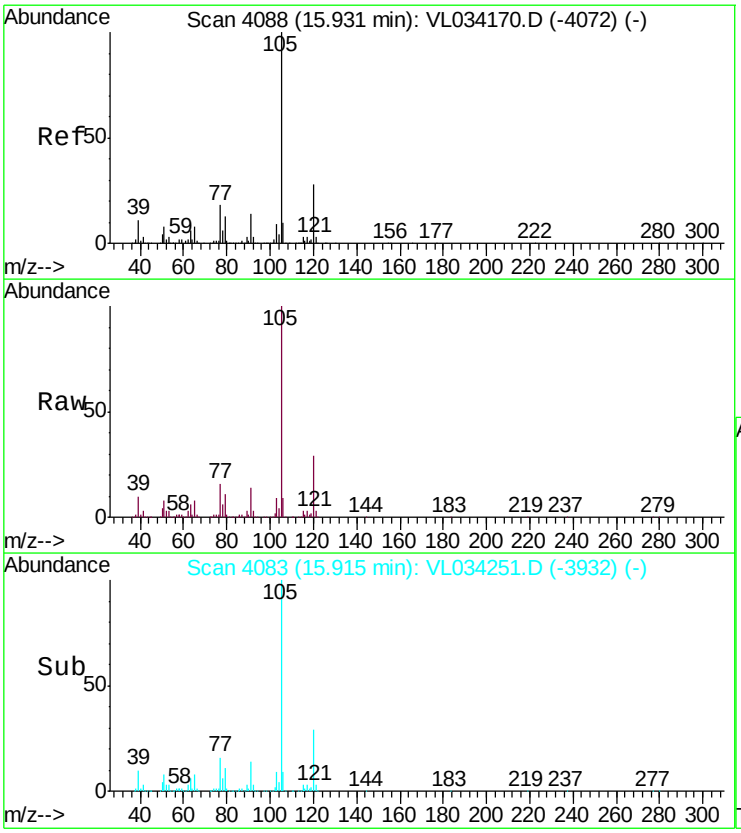
#71
2-Chlorotoluene
Concen: 7.698 ppbv
RT: 15.53 min Scan# 3964
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2532197

Ion	Ratio	Lower	Upper
91	100		
126	28.1	11.2	45.0

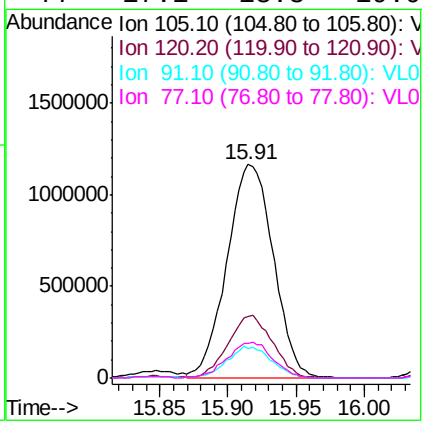


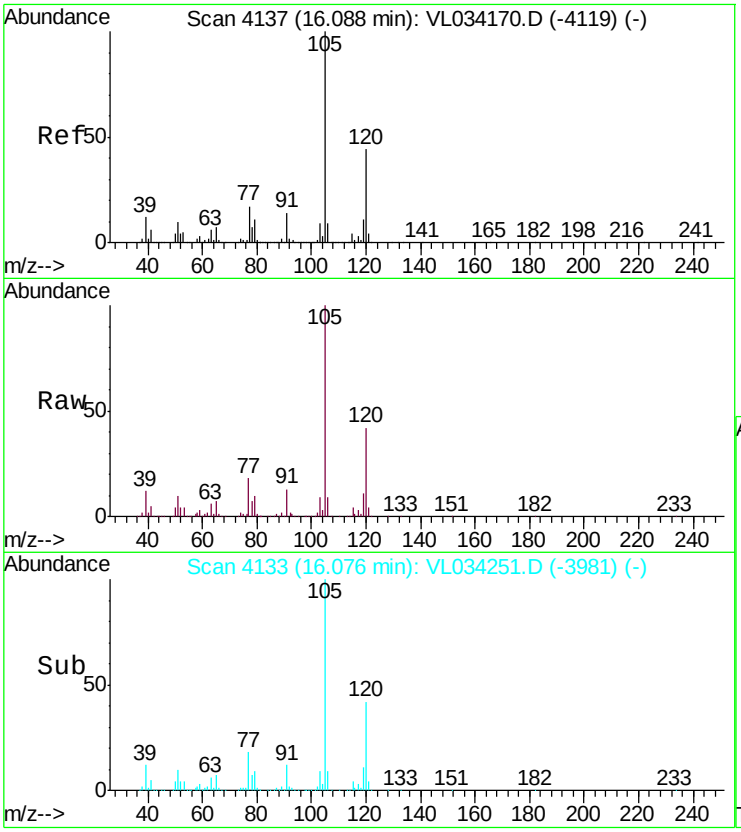


#72
4-Ethyltoluene
Concen: 7.806 ppbv
RT: 15.91 min Scan# 4083
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:105 Resp: 2743035

Ion	Ratio	Lower	Upper
105	100		
120	28.1	23.3	34.9
91	14.8	11.4	17.2
77	17.1	13.3	19.9



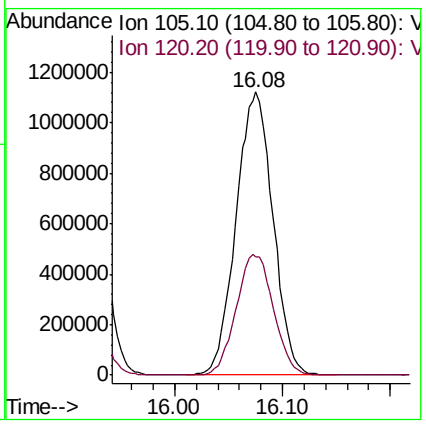


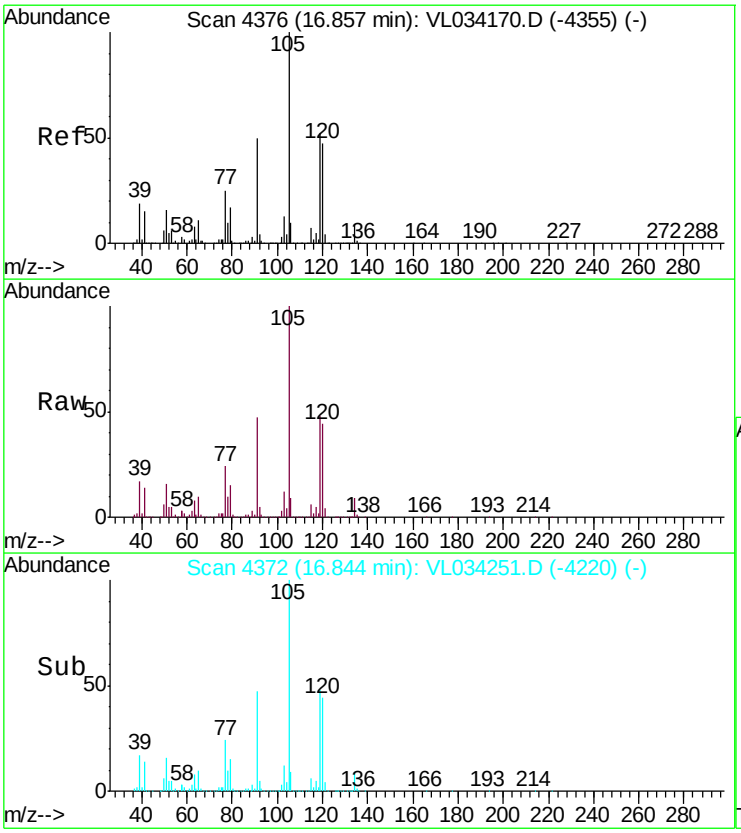
#73
1,3,5-Trimethylbenzene
Concen: 7.822 ppbv
RT: 16.08 min Scan# 4133
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2655162

Ion	Ratio	Lower	Upper
105	100		
120	41.7	35.6	53.4

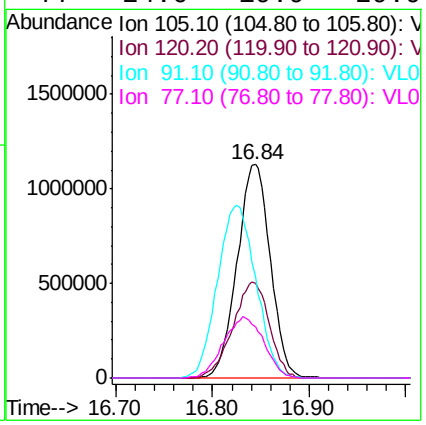


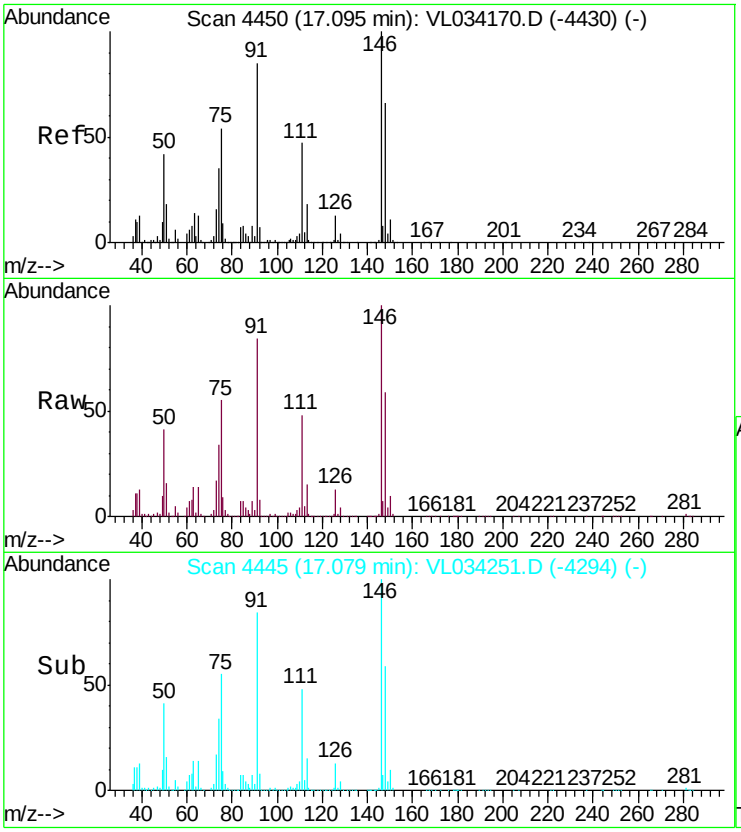


#74
1,2,4-Trimethylbenzene
Concen: 7.465 ppbv
RT: 16.84 min Scan# 4372
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:105 Resp: 2690712

Ion	Ratio	Lower	Upper
105	100		
120	44.2	37.5	56.3
91	46.9	41.1	61.7
77	24.0	19.9	29.9



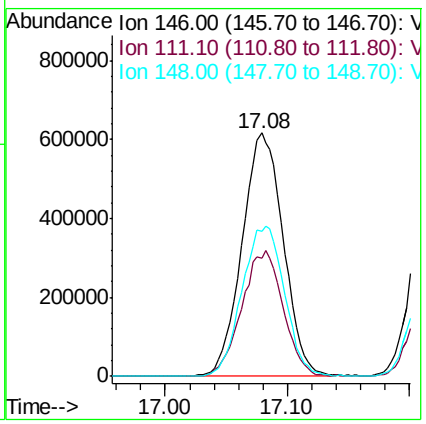


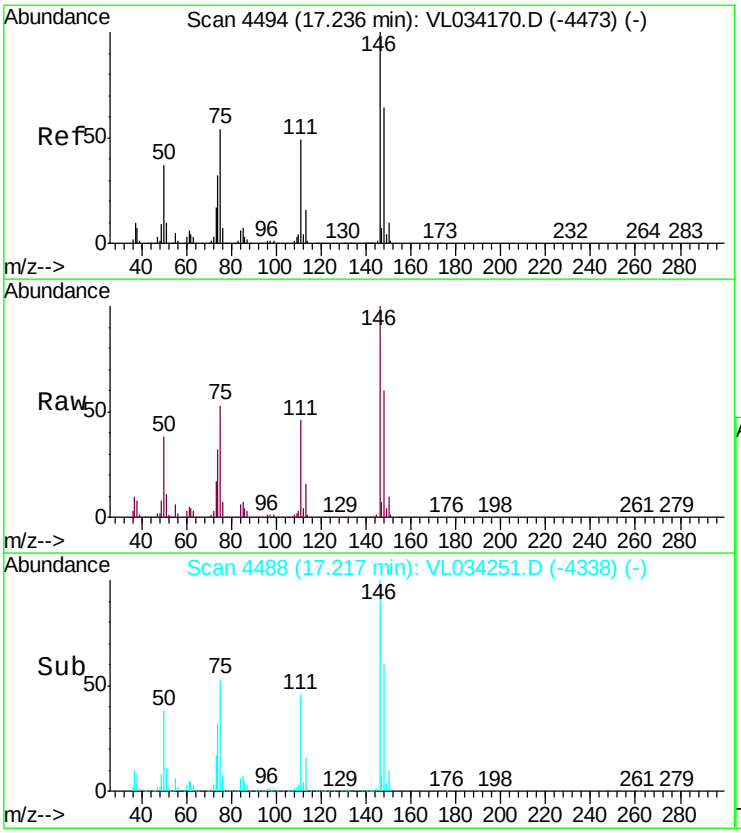
#75
1,3-Dichlorobenzene
Concen: 7.433 ppbv
RT: 17.08 min Scan# 4445
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1437451

Ion	Ratio	Lower	Upper
146	100		
111	51.9	25.9	77.8
148	63.6	32.6	97.7

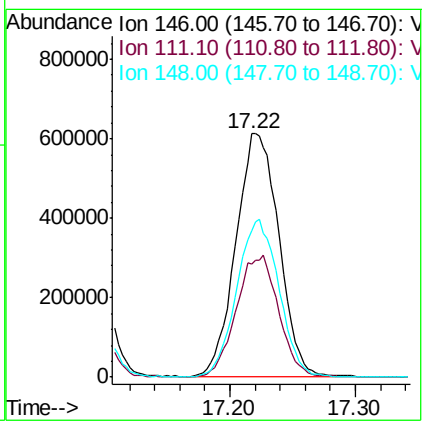


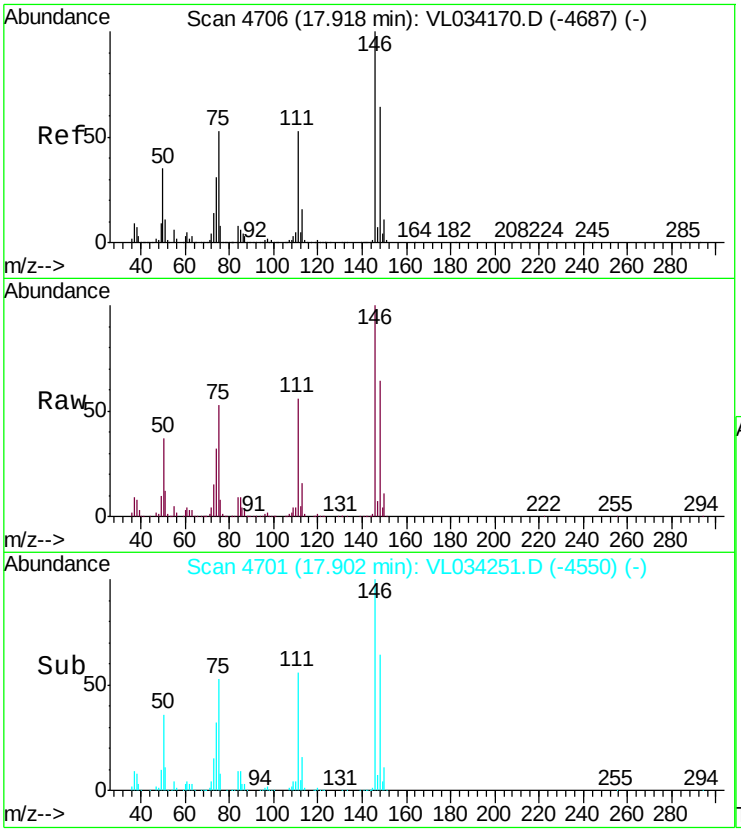


#76
1,4-Dichlorobenzene
Concen: 7.353 ppbv
RT: 17.22 min Scan# 4488
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:146 Resp: 1456218

Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.6	74.0
148	63.8	32.4	97.0



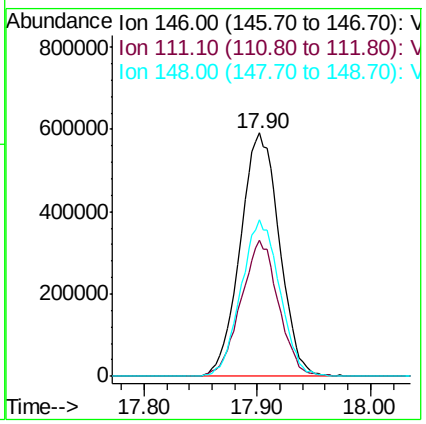


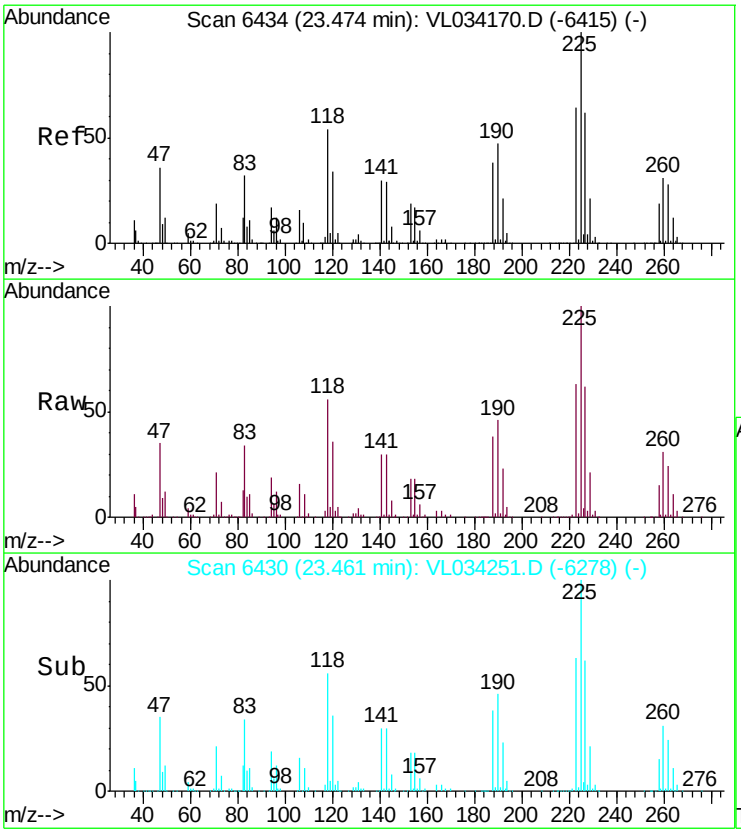
#77
1,2-Dichlorobenzene
Concen: 7.254 ppbv
RT: 17.90 min Scan# 4701
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1419920

Ion	Ratio	Lower	Upper
146	100		
111	53.7	26.1	78.3
148	63.8	31.9	95.9

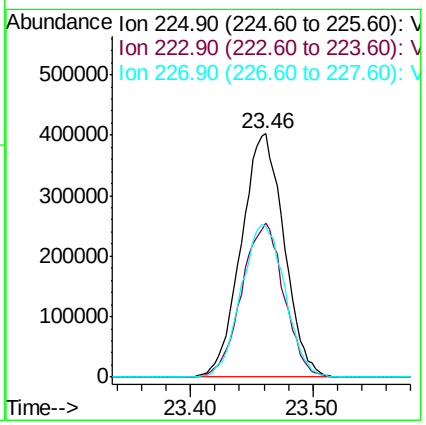


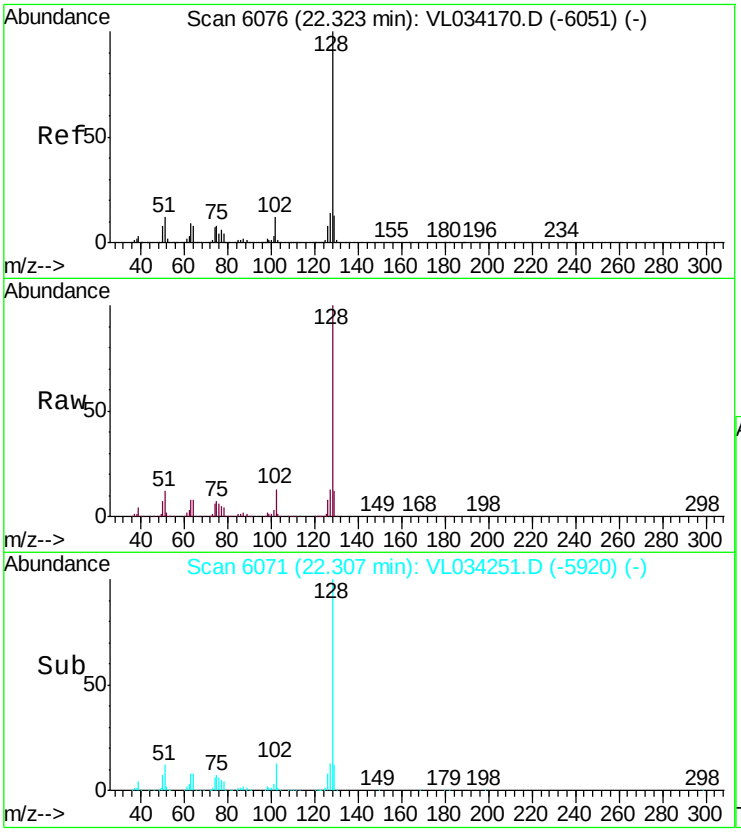


#78
Hexachloro-1,3-Butadiene
Concen: 7.513 ppbv
RT: 23.46 min Scan# 6430
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:225 Resp: 974020

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.7	77.5
227	64.1	52.1	78.1



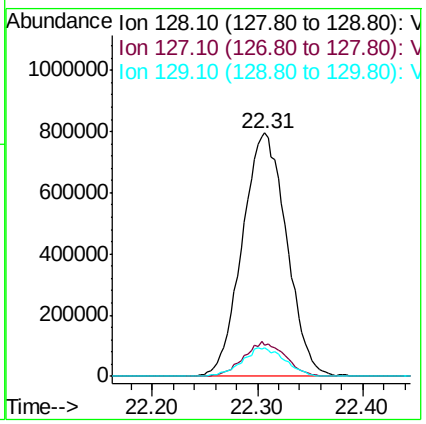


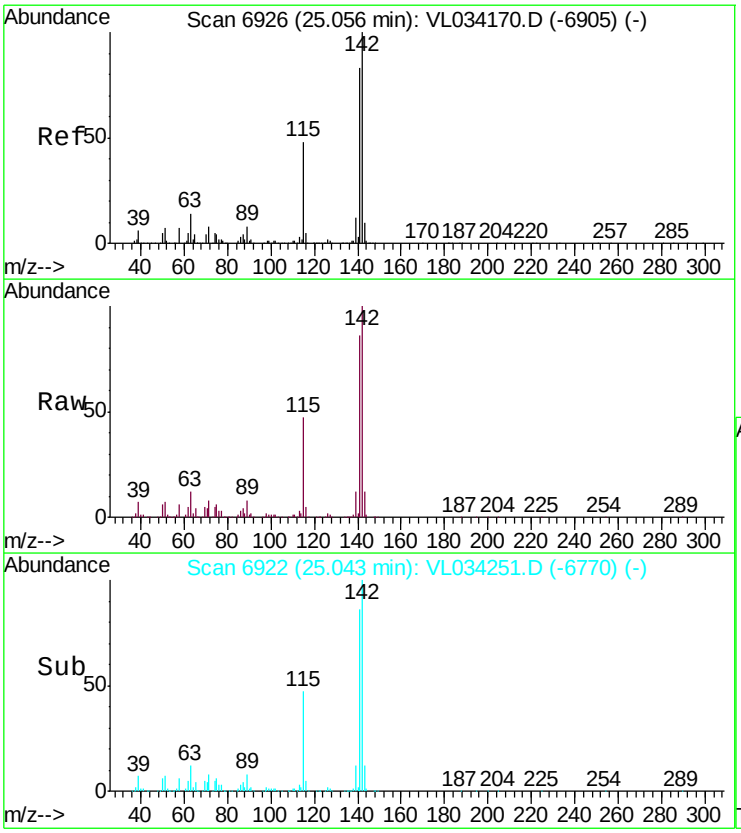
#79
Naphthalene
Concen: 7.304 ppbv
RT: 22.31 min Scan# 6071
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2317554

Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.1	16.7
129	11.9	10.2	15.4

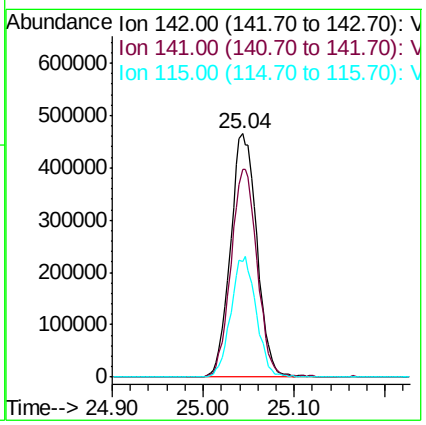


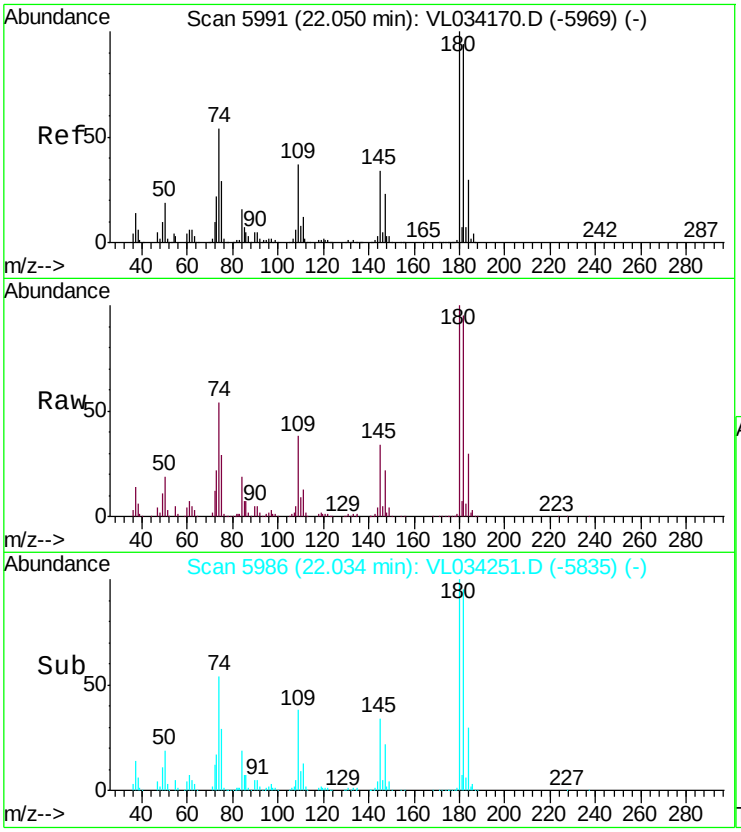


#80
Naphthalene,2-methyl-
Concen: 6.377 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:142 Resp: 941089

Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.6	101.4
115	47.2	36.9	55.3





#81
1,2,4-Trichlorobenzene
Concen: 7.249 ppbv
RT: 22.03 min Scan# 5986
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1274136

Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.2
184	31.0	25.0	37.4