Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091019\

Quantitation Report (Not Reviewed)

Data File : VL034138.D
Acq On : 10 Sep 2019 9:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Sep 11 01:46:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	992665	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1890507	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2396233	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.51	95	1629176	8.32	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1567471	9.573	ppbv	98
3) Chlorodifluoromethane	2.97	51	1067882	9.651	ppbv	99
4) Chloromethane	3.13	50	665270	9.617	ppbv	94
5) Vinyl Chloride	3.25	62	586583	9.309	ppbv	97
6) Bromomethane	3.47	94	290814	9.351	ppbv	100
7) Chloroethane	3.56	64	212008	9.875	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	1212019	9.197	ppbv	100
9) Propene	3.00	41	585190	9.452	ppbv	99
10) Heptane	8.18	43	1513641	9.421	ppbv	100
11) Trichlorofluoromethane	3.95	101	1251800	9.375	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	831297	9.306	ppbv	98
13) Ethanol	3.60	45	86040	7.094	ppbv	98
14) Bromoethene	3.74	108	375345	9.705	ppbv	99
15) Acetone	3.85	43	1102780	9.218	ppbv	99
16) 1,3-Butadiene	3.32	39	581557	9.599	ppbv	99
17) tert-Butyl alcohol	4.30	59	744050	8.567	ppbv	100
18) 1,1-Dichloroethene	4.30	96	397942	9.750	ppbv	97
19) Isopropyl Alcohol	3.98	45	609914	7.553	ppbv	100
20) Methylene Chloride	4.36	84	350628	8.864	ppbv	94
21) Allyl Chloride	4.43	41	784620	9.948	ppbv	97
22) trans-1,2-Dichloroethene	4.91	96	394539	9.658	ppbv	98
23) Vinyl Acetate	5.10	43	1979678	9.753	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1260104	9.354	ppbv	100
25) Ethyl Acetate	5.71	43	2364914	9.005	ppbv	99
26) Hexane	5.72	57	1022573	8.758	ppbv	98
27) Carbon Disulfide	4.56	76	1058448	10.045	ppbv	98
28) Methyl tert-Butyl Ether	5.06	73	1617986	9.458	ppbv	99
29) Chloroform	5.79	83	1452616	9.224	ppbv	98
30) Cyclohexane	7.18	84	803444	9.518	ppbv	97
31) cis-1,2-Dichloroethene	5.58	61	1085465	9.708	ppbv	98
32) 1,1,1-Trichloroethane	6.56	97	1375560	9.245	ppbv	98
34) 2-Butanone	5.27	43	1680689	9.247	ppbv	99
35) Carbon Tetrachloride	7.07	117	1342308	9.107	ppbv	98
36) Benzene	6.94	78	1984123	9.182	ppbv	99
37) 1,2-Dichloroethane	6.35	62	1237950	9.339	ppbv	99
38) Trichloroethene	7.90	130	640051	7.938	ppbv	94
39) 1,2-Dichloropropane	7.67	63	852207	9.215	ppbv	99
40) 1,4-Dioxane	7.88	88	239598	7.050	ppbv #	96
41) Tetrahydrofuran	6.09	42	1030429	9.457	ppbv	100
42) Bromodichloromethane	7.85	83	1623867	9.399	ppbv	98
43) Methyl Methacrylate	8.08	69	853455	9.587	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091019\

Quantitation Report (Not Reviewed)

Data File : VL034138.D
Acq On : 10 Sep 2019 9:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Sep 11 01:46:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.93	57	3477475	8.729	ppbv		99
45) t-1,3-Dichloropropene	9.35	75	1126371	10.765	ppbv		100
46) cis-1,3-Dichloropropene	8.77	75	1275810	10.023	ppbv		99
47) 1,1,2-Trichloroethane	9.55	97	776241	9.213	ppbv		97
48) Dibromochloromethane	10.38	129	1245790	9.910	ppbv		98
49) Bromoform	13.13	173	1072315	9.729	ppbv		99
50) 4-Methyl-2-Pentanone	8.80	43	2479773	8.941	ppbv		98
51) 2-Hexanone	10.20	43	2153950	8.990	ppbv	#	99
52) Tetrachloroethene	11.30	164	618290	8.114	ppbv		98
53) Toluene	9.88	91	2198903	9.201	ppbv		99
54) 1,2-Dibromoethane	10.69	107	1161605	9.255	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.21	131	796981	7.755	ppbv	#	58
57) Chlorobenzene	12.23	112	1521723	7.382	ppbv		96
58) Ethyl Benzene	12.79	91	2963817	7.543	ppbv		98
59) m/p-Xylene	13.08	91	2540652	7.926	ppbv	#	41
60) o-Xylene	13.78	91	2319149	7.264	ppbv		99
61) Styrene	13.61	104	1842417	7.715	ppbv		100
62) Isopropylbenzene	14.75	105	3036621	7.310	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.76	83	1695235	6.516	ppbv		98
64) n-propylbenzene	15.65	120	788330	7.576	ppbv		94
65) tert-Butylbenzene	16.84	119	2523929	7.040	ppbv		99
66) Benzyl Chloride	17.08	91	1293205	9.784	ppbv		98
67) sec-Butylbenzene	17.39	105	3669961	7.119	ppbv		99
69) p-Isopropyltoluene	17.74	119	2977846	7.220	ppbv		99
70) n-Butylbenzene	18.64	91	3358405	7.156	ppbv		98
71) 2-Chlorotoluene	15.54	91	2506527	7.387	ppbv		100
72) 4-Ethyltoluene	15.93	105	2711654	7.528	ppbv		99
73) 1,3,5-Trimethylbenzene	16.09	105	2565392	7.328	ppbv		99
74) 1,2,4-Trimethylbenzene	16.86	105	2524322	7.003	ppbv		99
75) 1,3-Dichlorobenzene	17.09	146	1337356	7.002	ppbv		99
76) 1,4-Dichlorobenzene	17.23	146	1448246	7.234	ppbv		99
77) 1,2-Dichlorobenzene	17.91	146	1394571	7.132	ppbv		99
78) Hexachloro-1,3-Butadiene	23.48	225	537219	4.027	ppbv	#	11
79) Naphthalene	22.32	128	2457280	7.540	ppbv		99
80) Naphthalene,2-methyl-	25.05	142	1483548	13.114	ppbv		99
81) 1,2,4-Trichlorobenzene	22.04	180	572955	3.231	ppbv	#	12

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

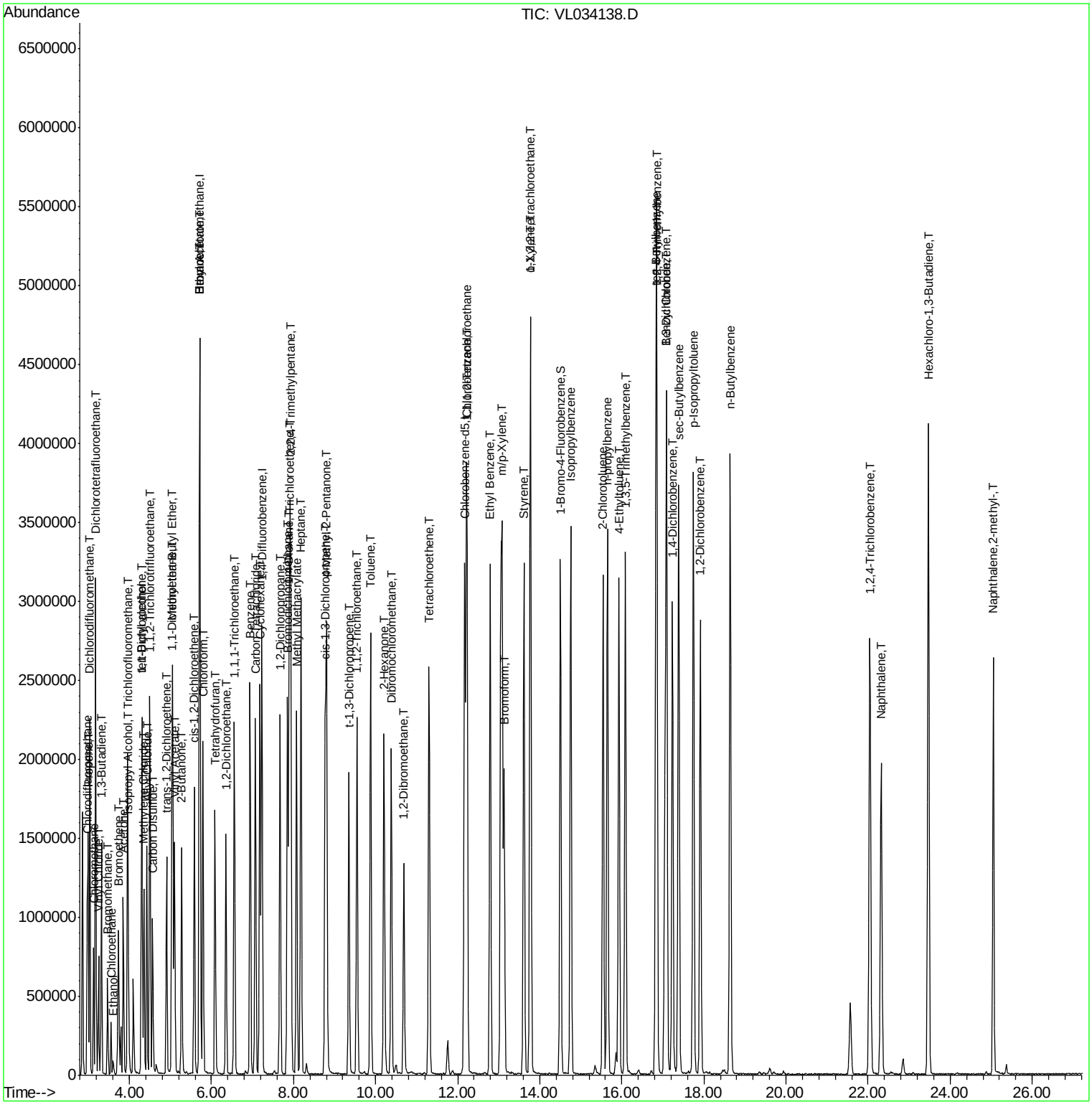
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091019\

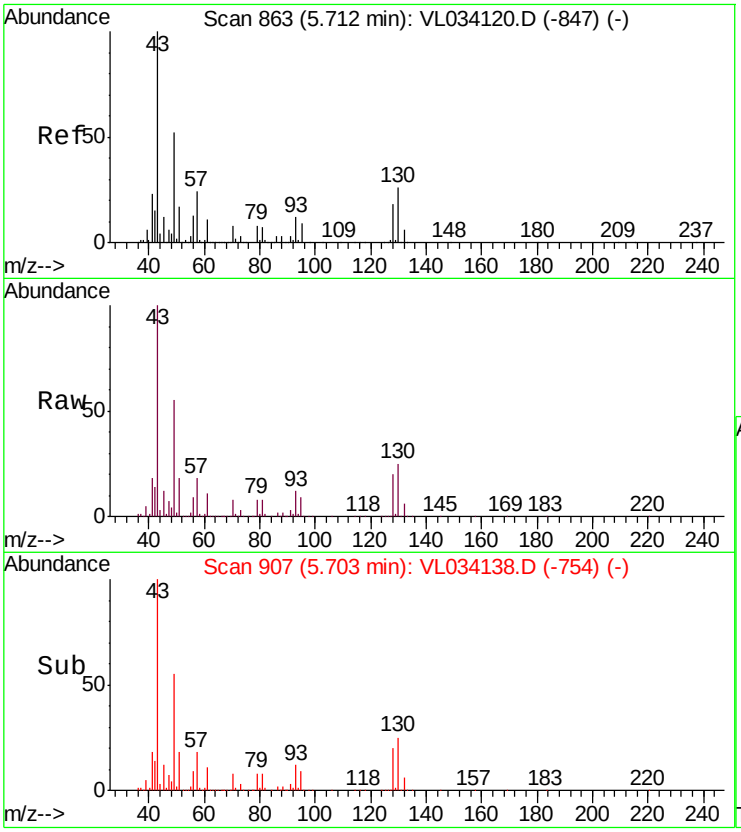
Quantitation Report (Not Reviewed)

Data File : VL034138.D
Acq On : 10 Sep 2019 9:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Sep 11 01:46:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration



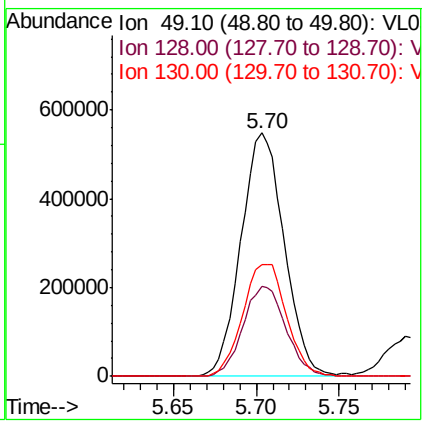


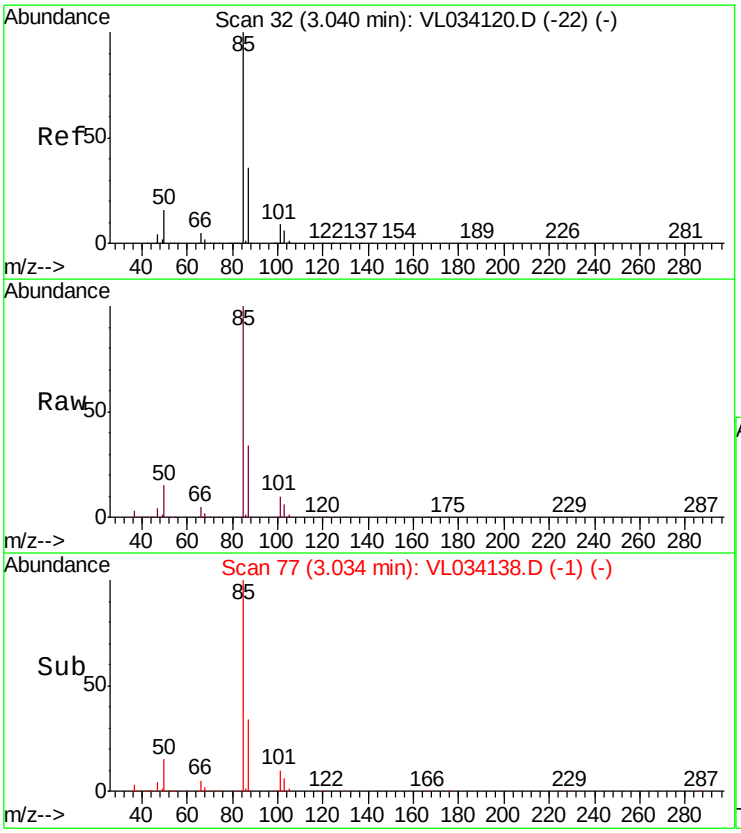
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 992665

Ion	Ratio	Lower	Upper
49	100		
128	36.7	18.4	55.0
130	47.1	23.5	70.6

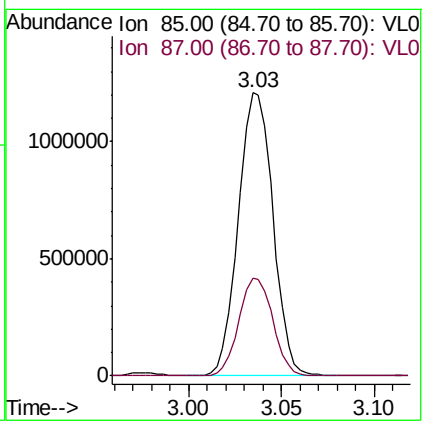


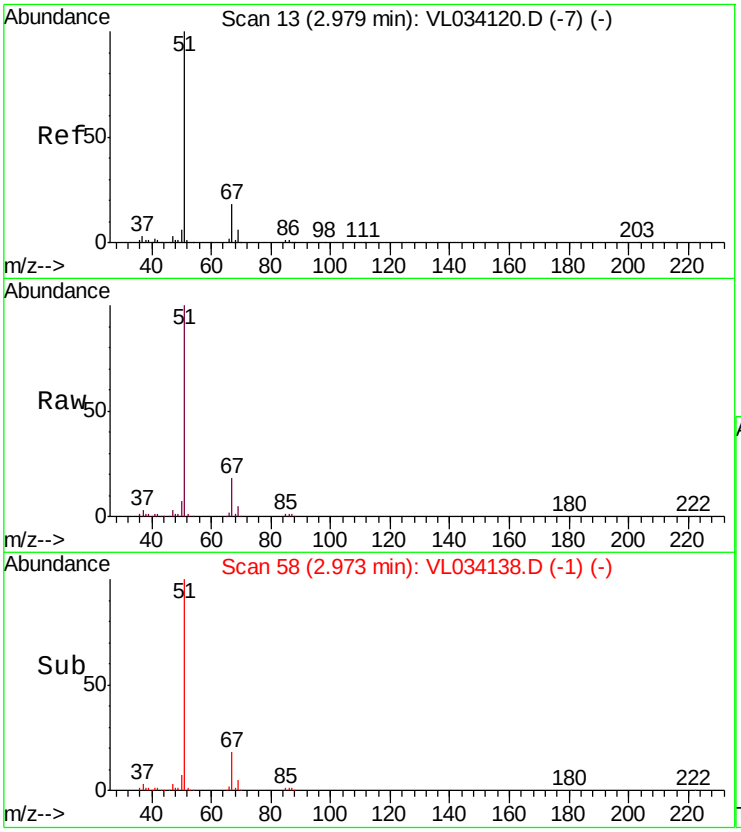


#2
Dichlorodifluoromethane
Concen: 9.573 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 85 Resp: 1567471

Ion	Ratio	Lower	Upper
85	100		
87	34.4	28.6	43.0



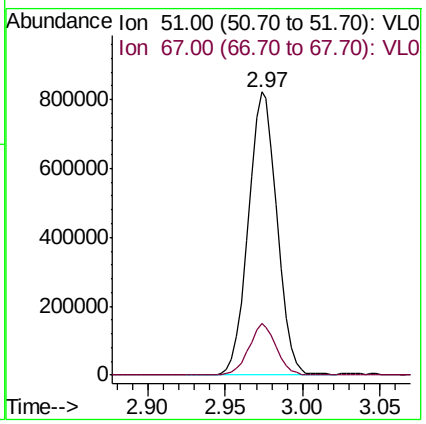


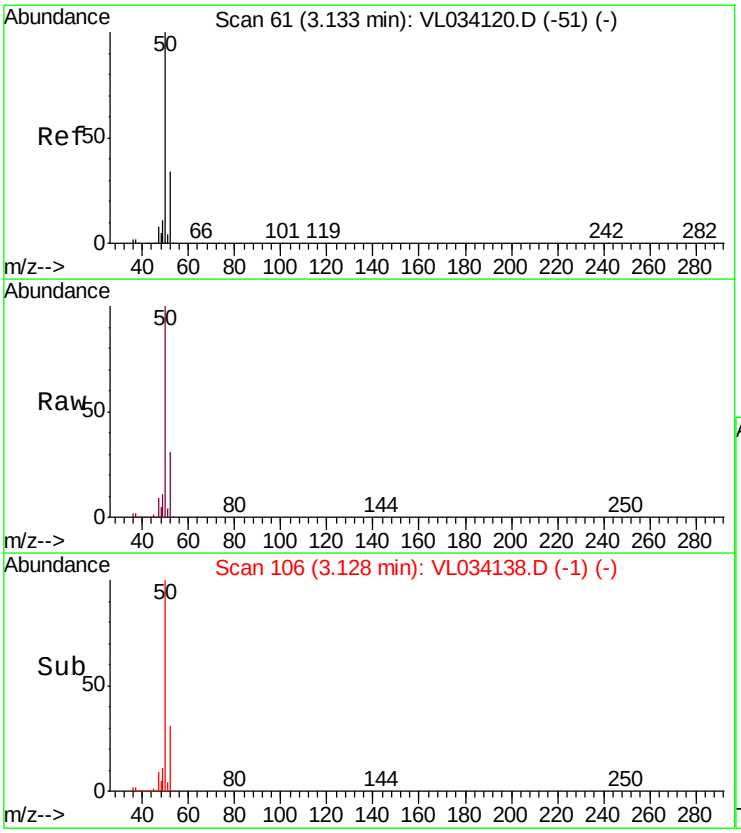
#3
Chlorodifluoromethane
Concen: 9.651 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1067882

Ion	Ratio	Lower	Upper
51	100		
67	17.3	14.2	21.4

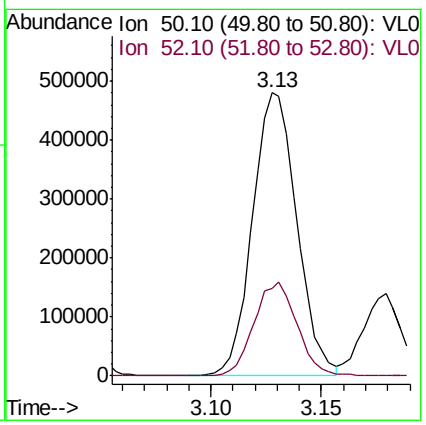


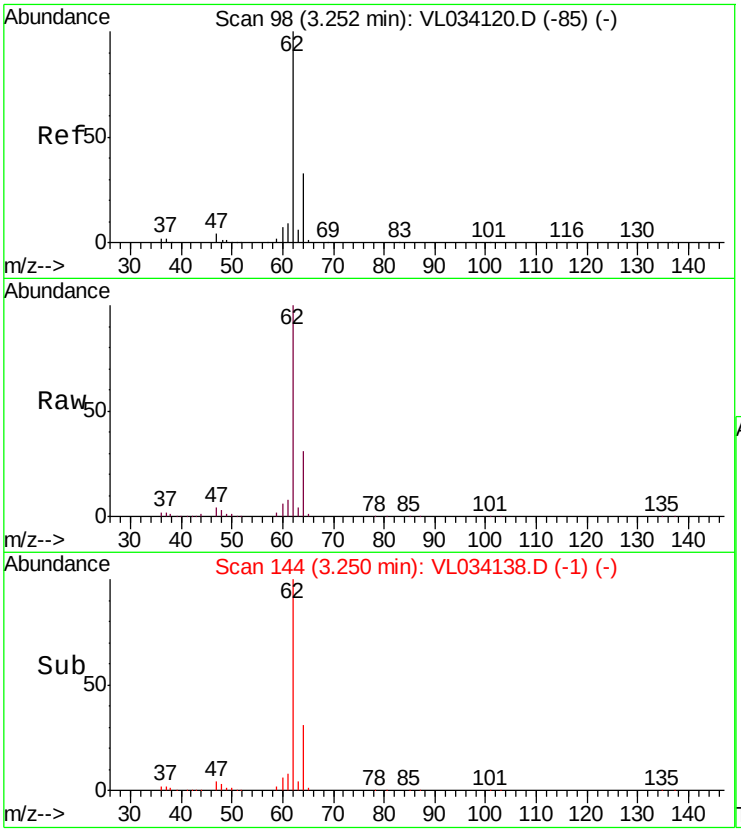


#4
Chloromethane
Concen: 9.617 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 50 Resp: 665270

Ion	Ratio	Lower	Upper
50	100		
52	31.0	27.4	41.2



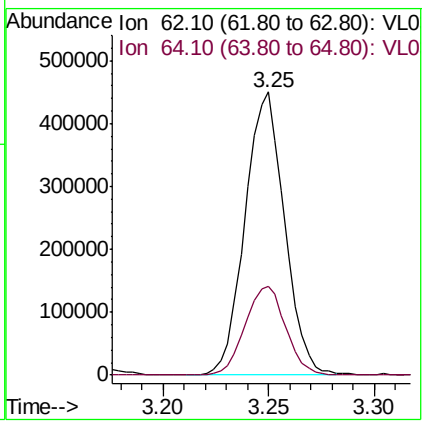


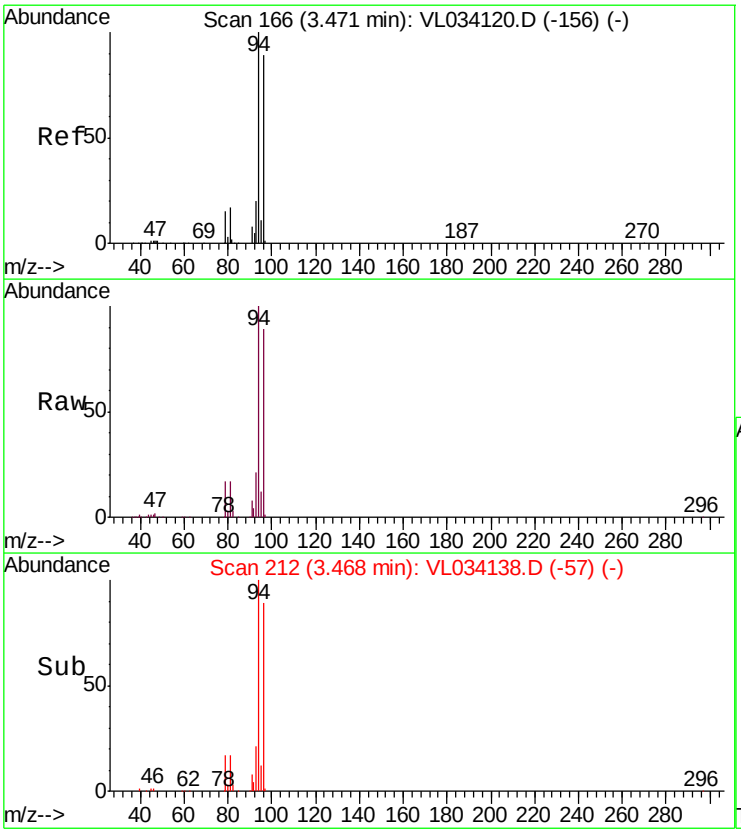
#5
Vinyl Chloride
Concen: 9.309 ppbv
RT: 3.25 min Scan# 144
Delta R.T. -0.00 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 586583

Ion	Ratio	Lower	Upper
62	100		
64	31.4	26.6	39.8

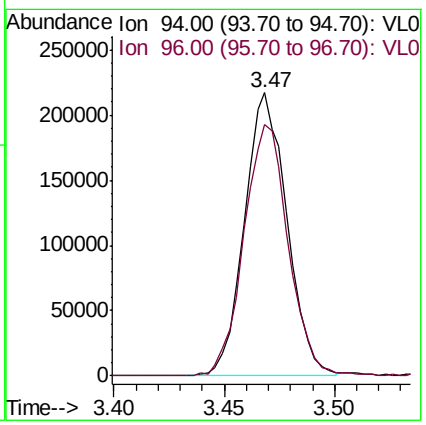


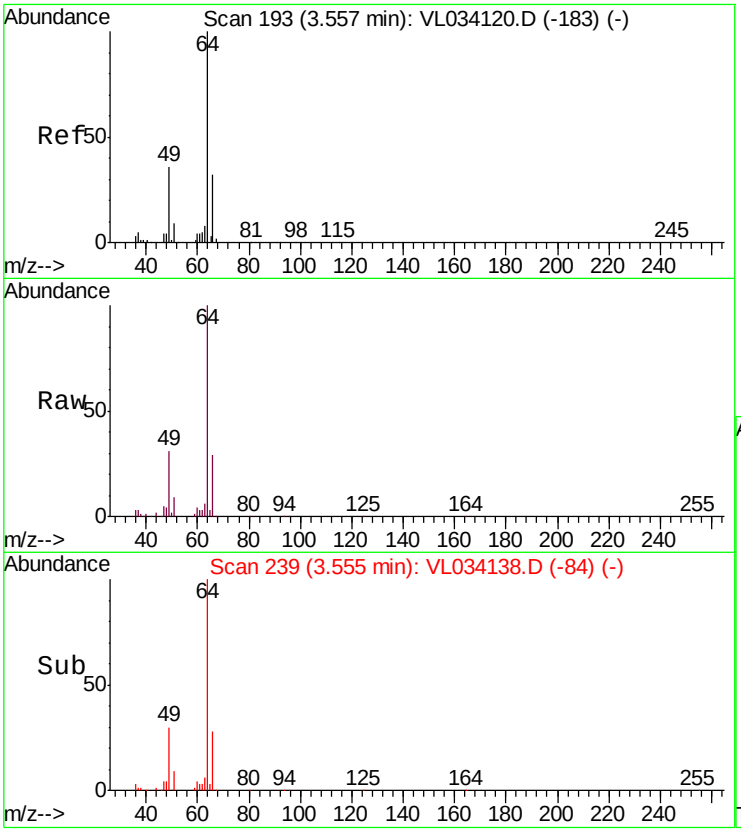


#6
Bromomethane
Concen: 9.351 ppbv
RT: 3.47 min Scan# 212
Delta R.T. -0.00 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 94 Resp: 290814

Ion	Ratio	Lower	Upper
94	100		
96	88.9	71.4	107.0



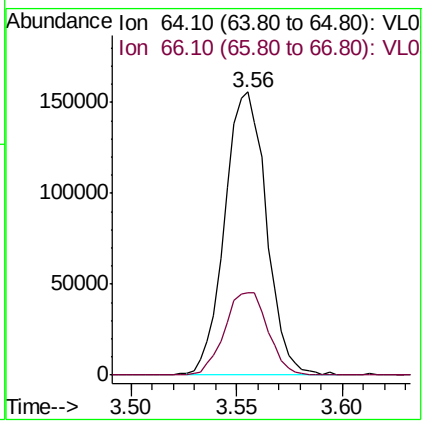


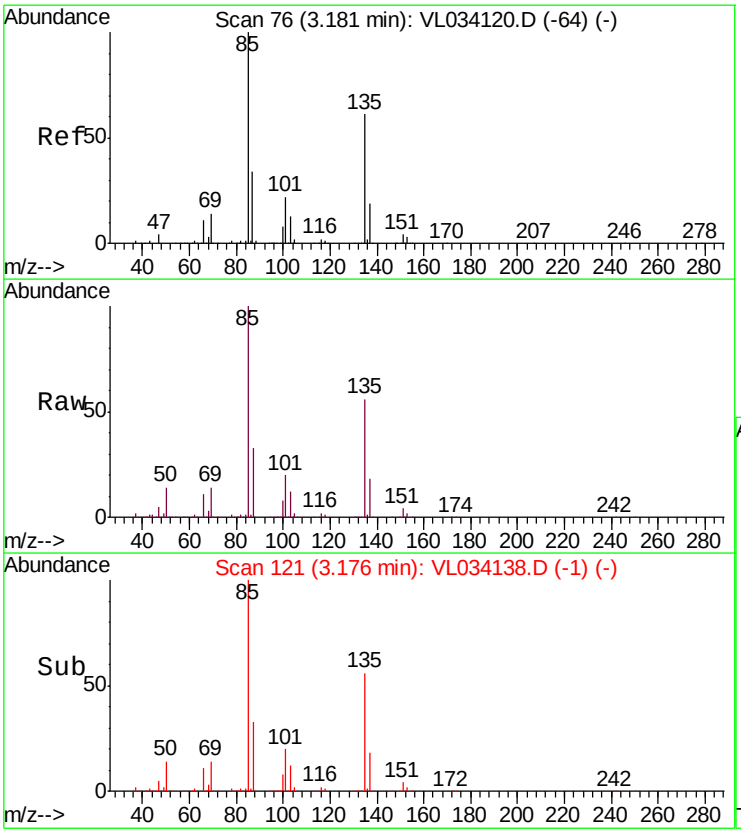
#7
Chloroethane
Concen: 9.875 ppbv
RT: 3.56 min Scan# 239
Delta R.T. -0.00 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 212008

Ion	Ratio	Lower	Upper
64	100		
66	29.0	25.4	38.2

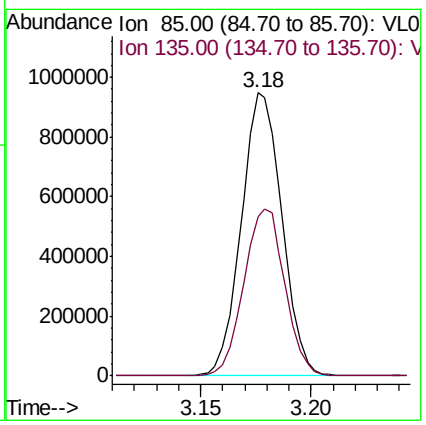


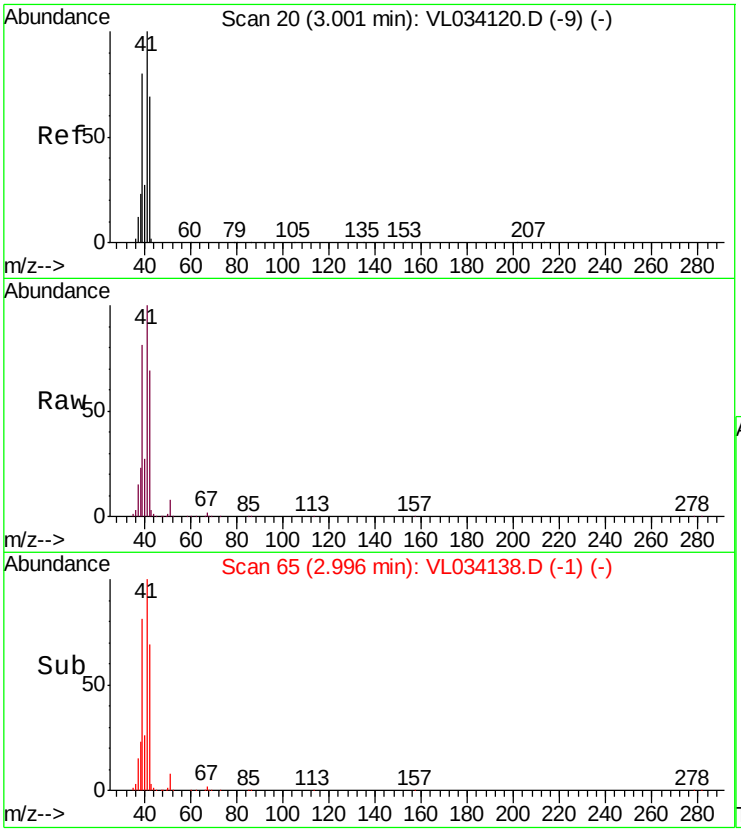


#8
Dichlorotetrafluoroethane
Concen: 9.197 ppbv
RT: 3.18 min Scan# 121
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 85 Resp: 1212019

Ion	Ratio	Lower	Upper
85	100		
135	60.0	48.0	72.0



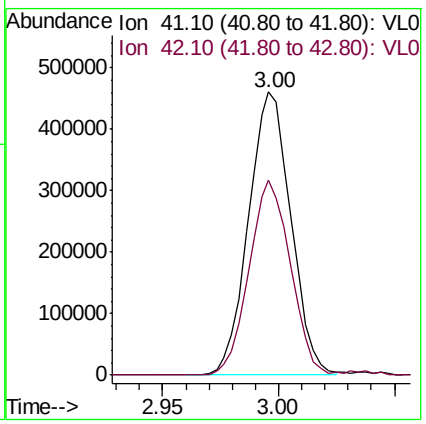


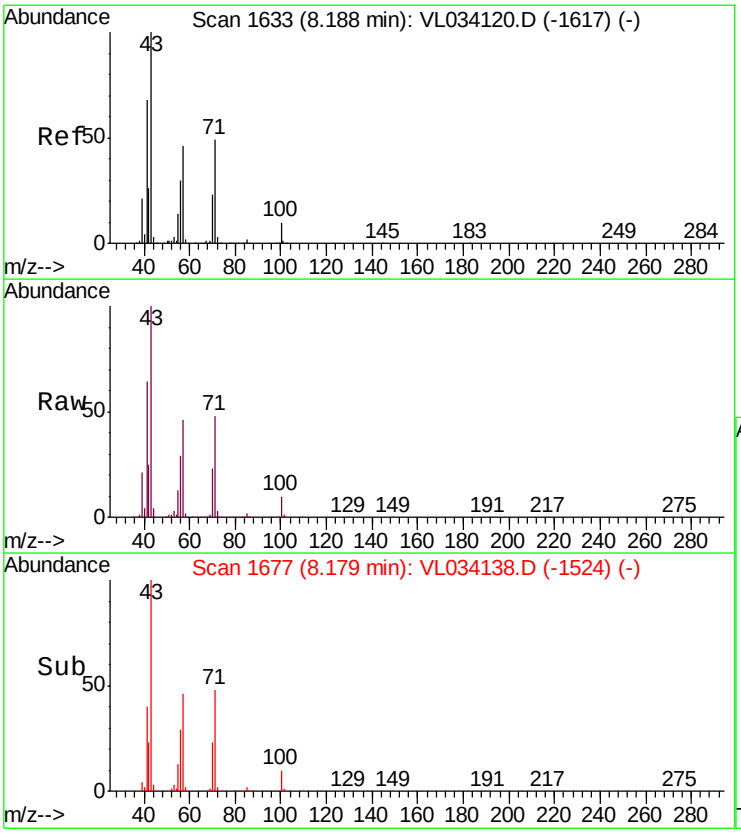
#9
Propene
Concen: 9.452 ppbv
RT: 3.00 min Scan# 65
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 585190

Ion	Ratio	Lower	Upper
41	100		
42	68.9	54.6	81.8

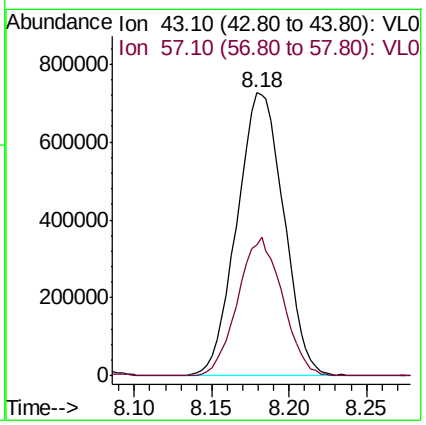


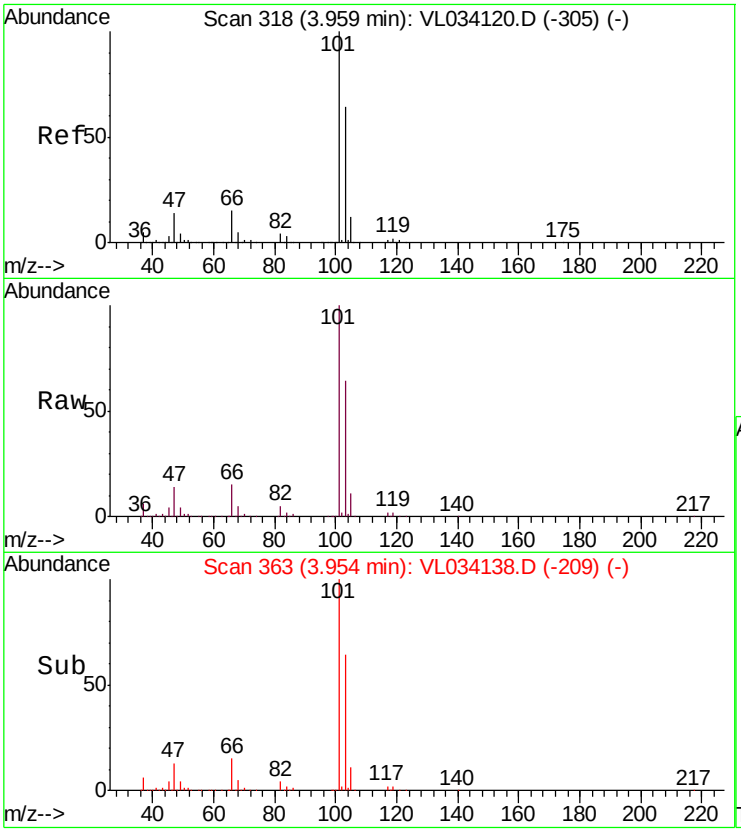


#10
Heptane
Concen: 9.421 ppbv
RT: 8.18 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 43 Resp: 1513641

Ion	Ratio	Lower	Upper
43	100		
57	47.4	38.1	57.1



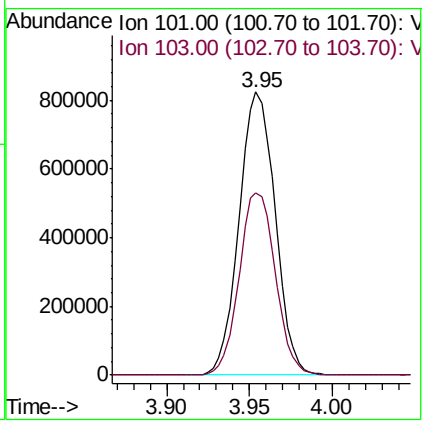


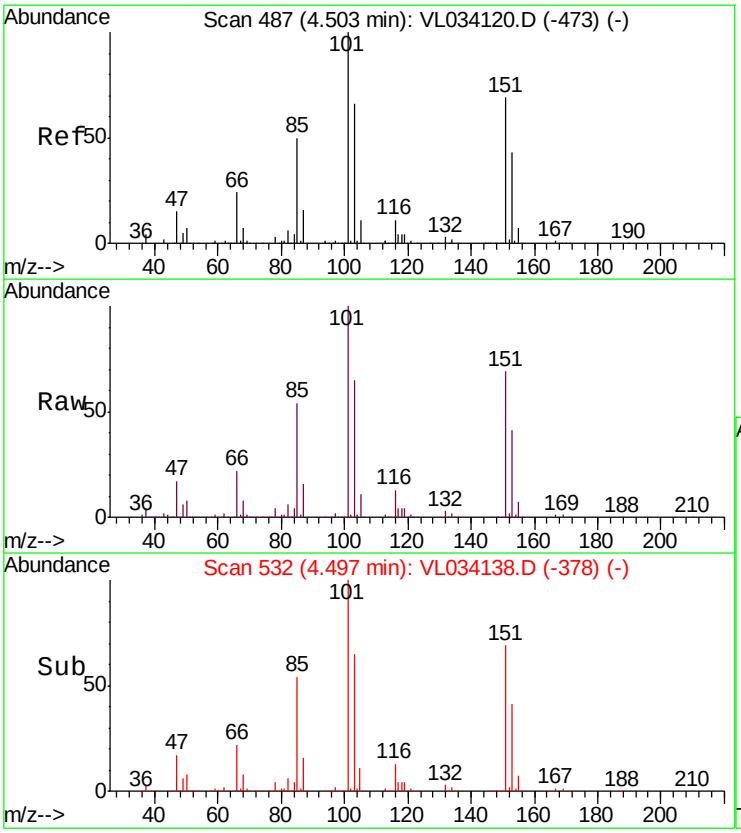
#11
Trichlorofluoromethane
Concen: 9.375 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1251800

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

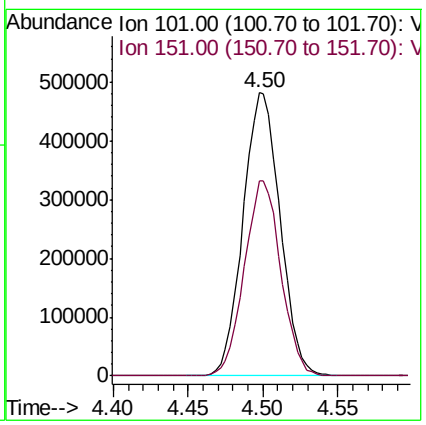


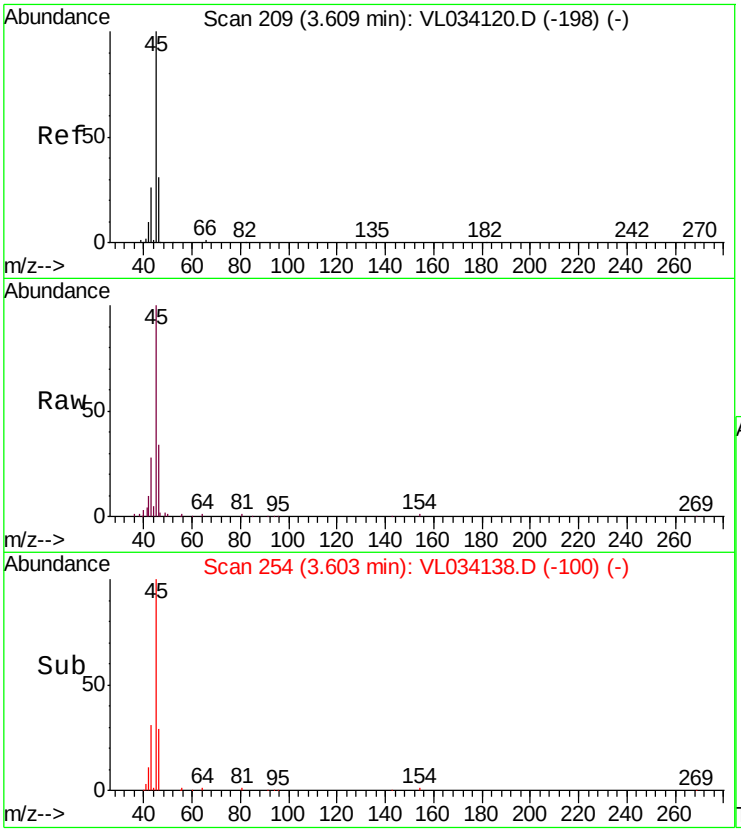


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.306 ppbv
RT: 4.50 min Scan# 532
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:101 Resp: 831297

Ion	Ratio	Lower	Upper
101	100		
151	67.9	53.0	79.6



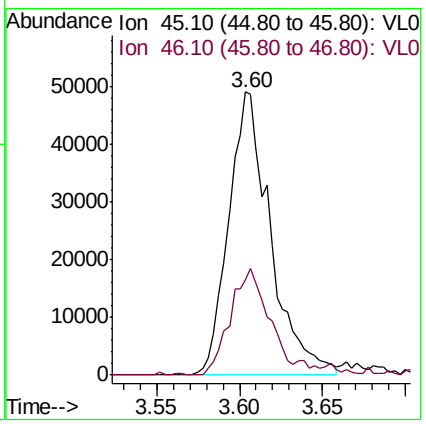


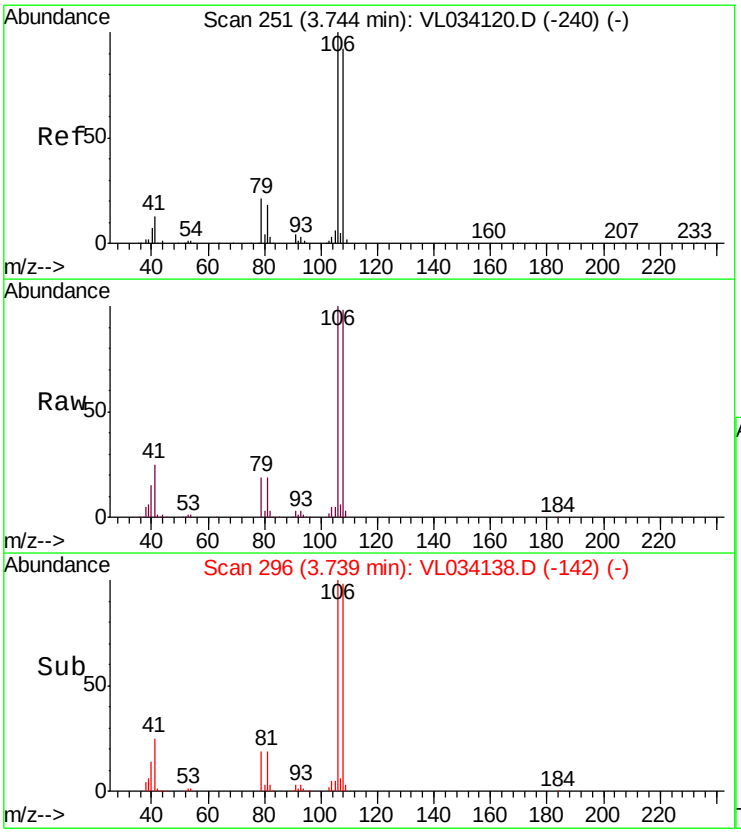
#13
Ethanol
Concen: 7.094 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 86040

Ion	Ratio	Lower	Upper
45	100		
46	38.9	15.0	60.0

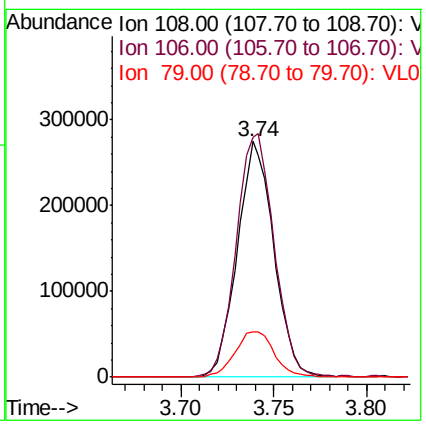


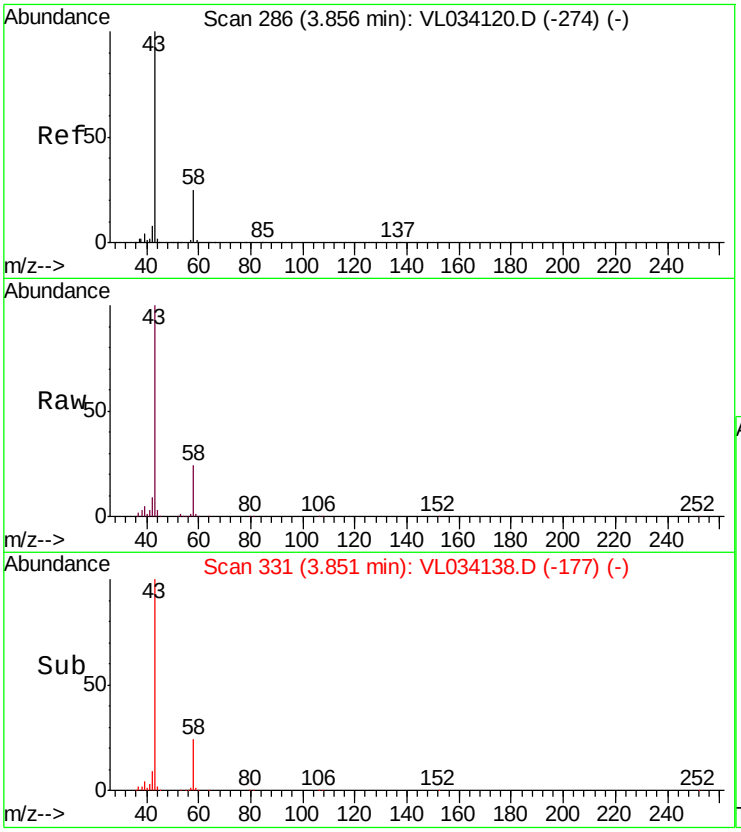


#14
Bromoethene
Concen: 9.705 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:108 Resp: 375345

Ion	Ratio	Lower	Upper
108	100		
106	107.5	87.2	130.8
79	20.9	16.5	24.7



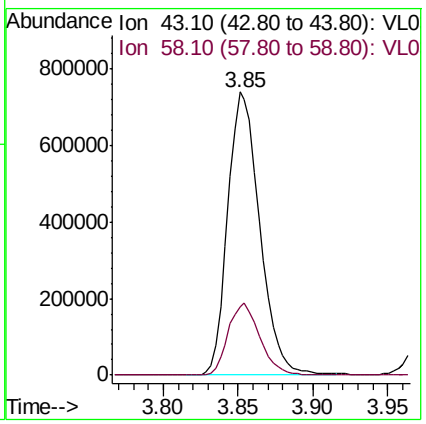


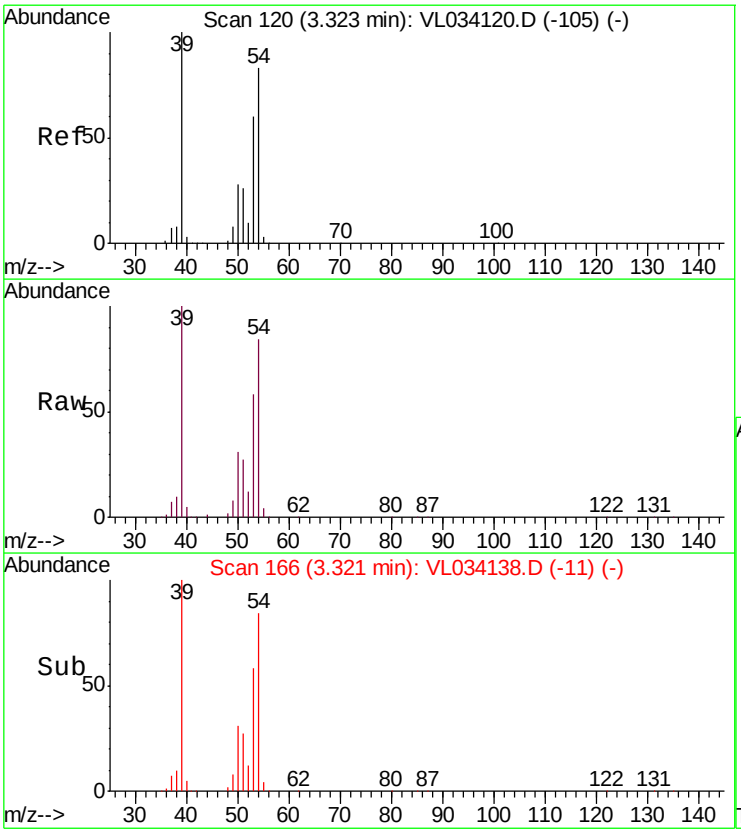
#15
Acetone
Concen: 9.218 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1102780

Ion	Ratio	Lower	Upper
43	100		
58	25.4	20.6	30.8

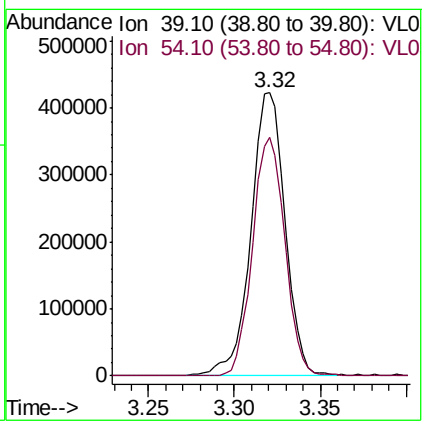


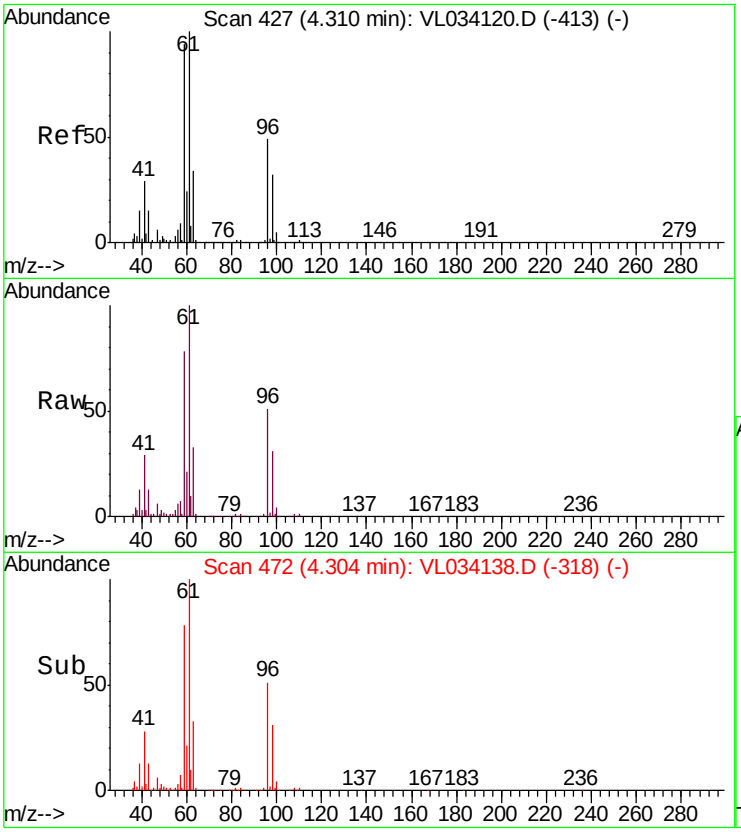


#16
1,3-Butadiene
Concen: 9.599 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 39 Resp: 581557

Ion	Ratio	Lower	Upper
39	100		
54	80.4	63.5	95.3



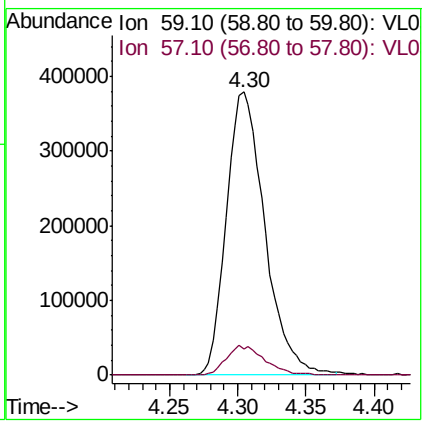


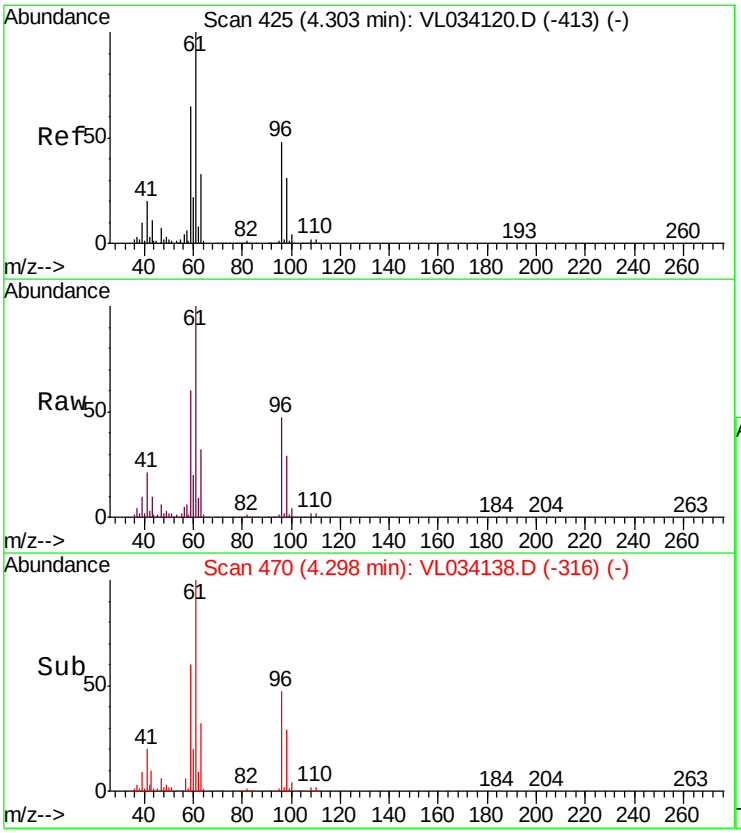
#17
tert-Butyl alcohol
Concen: 8.567 ppbv
RT: 4.30 min Scan# 472
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 744050

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

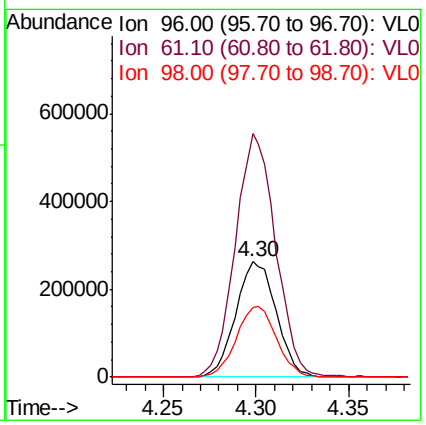


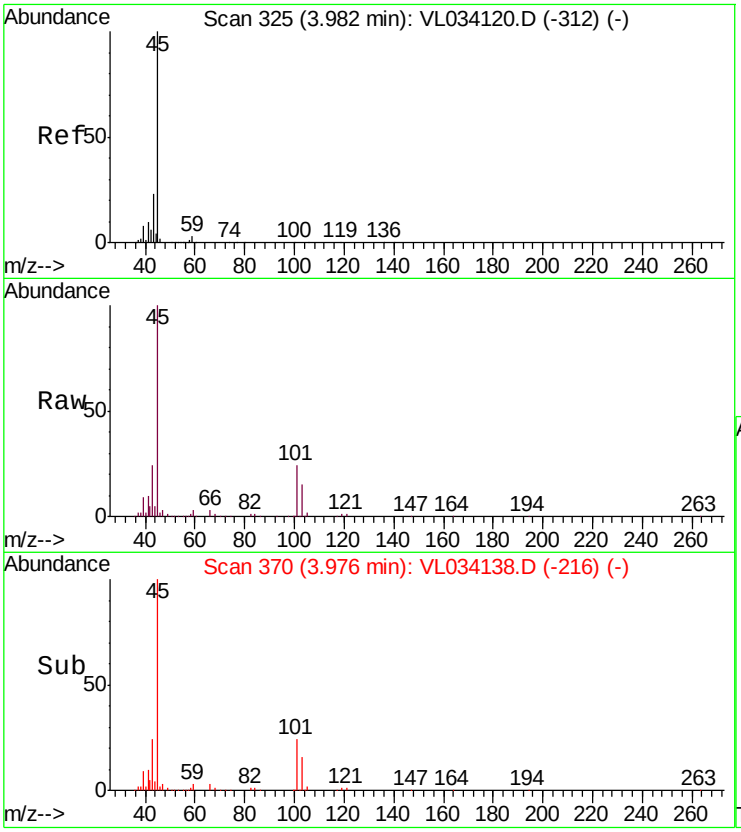


#18
1,1-Dichloroethene
Concen: 9.750 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 96 Resp: 397942

Ion	Ratio	Lower	Upper
96	100		
61	211.3	165.8	248.8
98	60.8	50.8	76.2



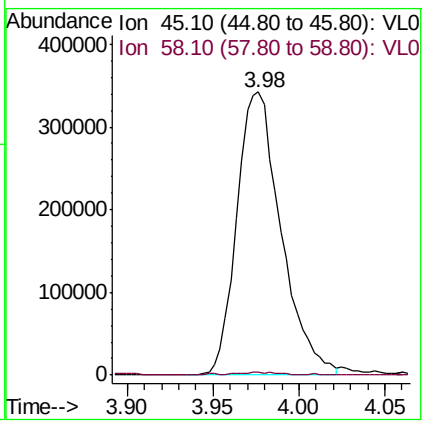


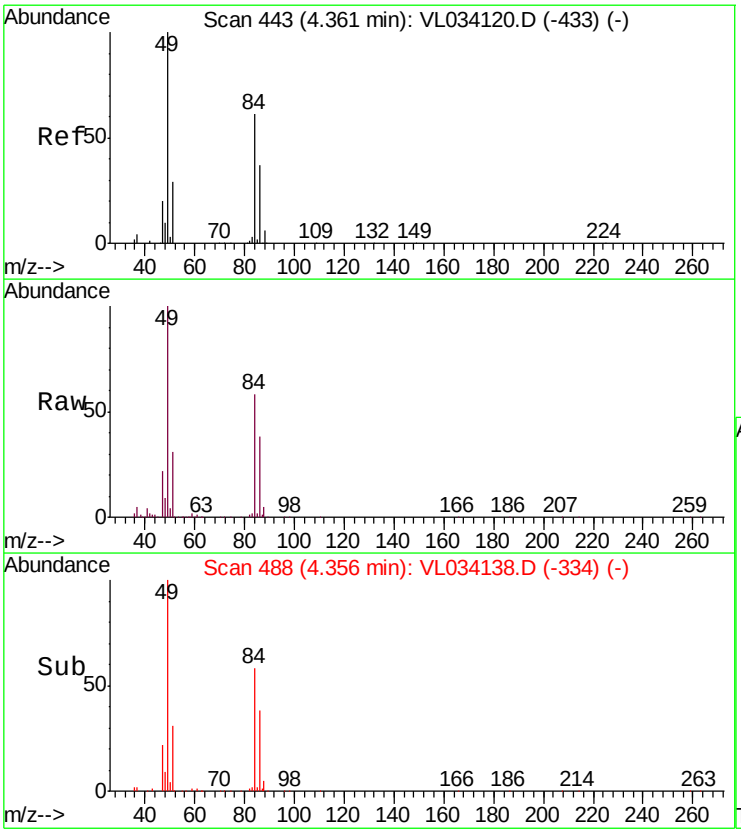
#19
Isopropyl Alcohol
Concen: 7.553 ppbv
RT: 3.98 min Scan# 370
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 609914

Ion	Ratio	Lower	Upper
45	100		
58	1.4	1.0	1.6

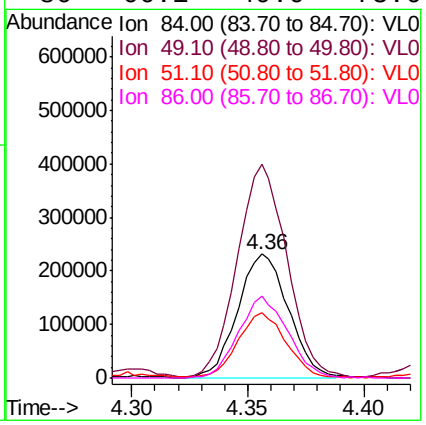


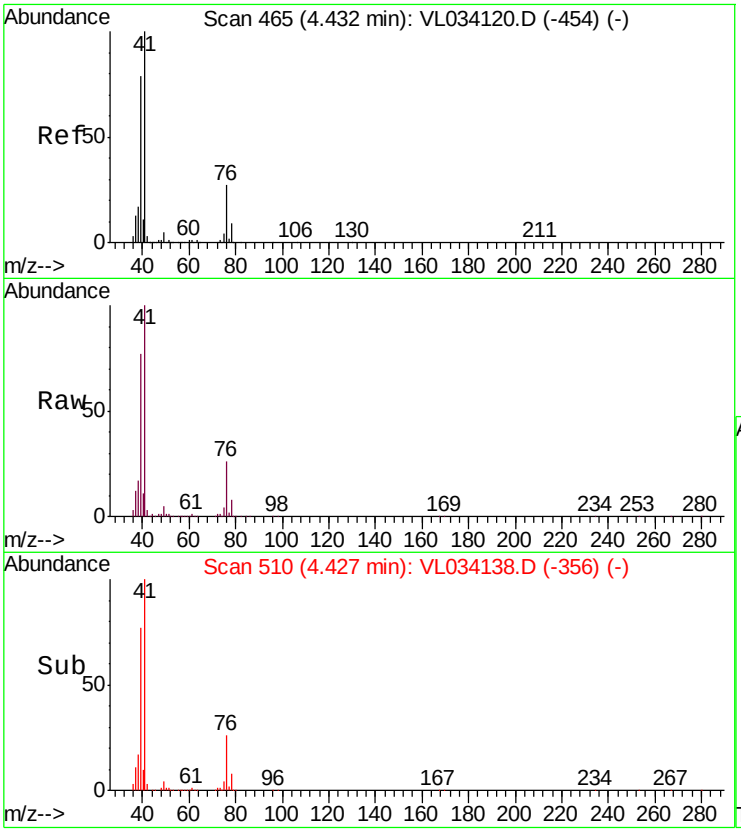


#20
Methylene Chloride
Concen: 8.864 ppbv
RT: 4.36 min Scan# 488
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 84 Resp: 350628

Ion	Ratio	Lower	Upper
84	100		
49	171.3	131.0	196.6
51	51.7	38.1	57.1
86	66.1	49.0	73.6



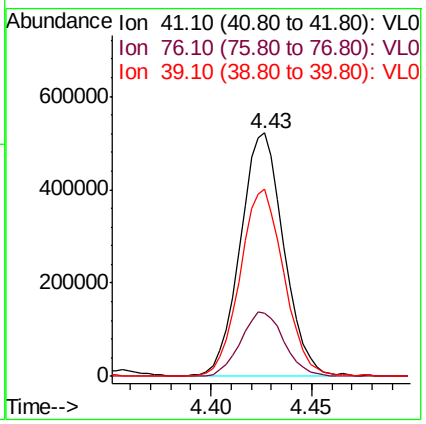


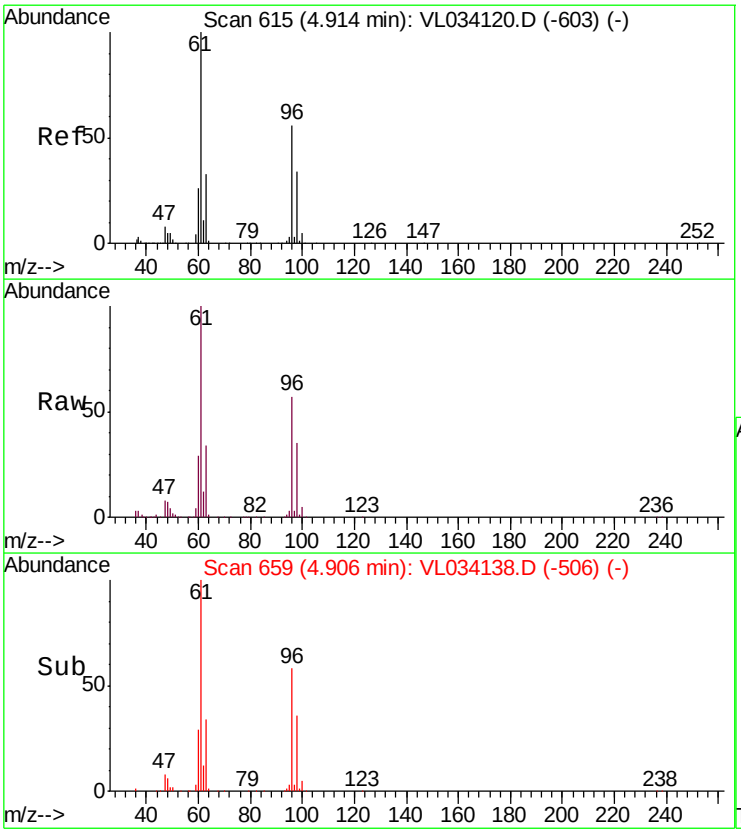
#21
Allyl Chloride
Concen: 9.948 ppbv
RT: 4.43 min Scan# 510
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 784620

Ion	Ratio	Lower	Upper
41	100		
76	26.6	21.6	32.4
39	77.7	65.0	97.4

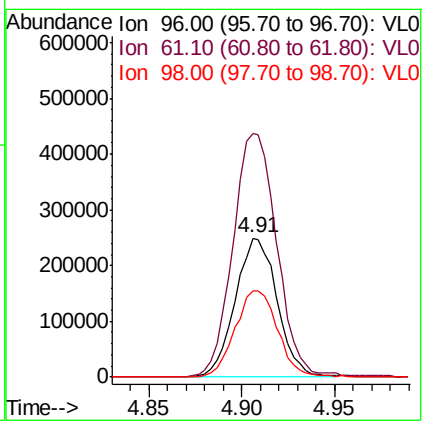


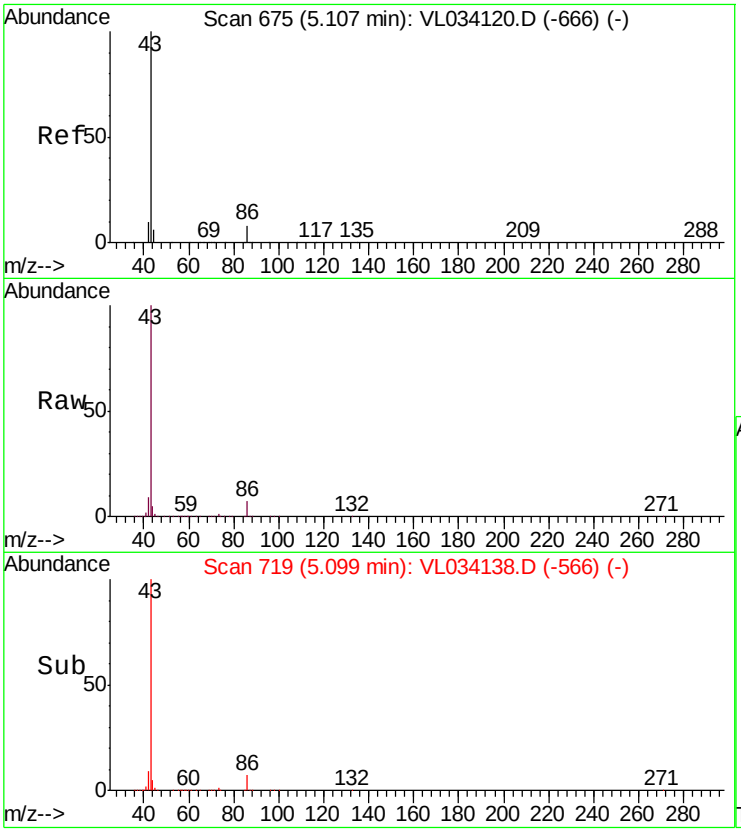


#22
trans-1,2-Dichloroethene
Concen: 9.658 ppbv
RT: 4.91 min Scan# 659
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 96 Resp: 394539

Ion	Ratio	Lower	Upper
96	100		
61	175.2	143.1	214.7
98	61.8	49.0	73.4



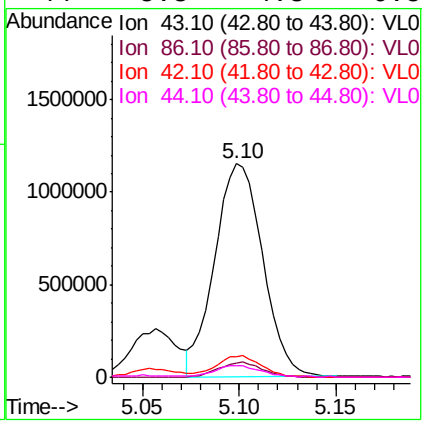


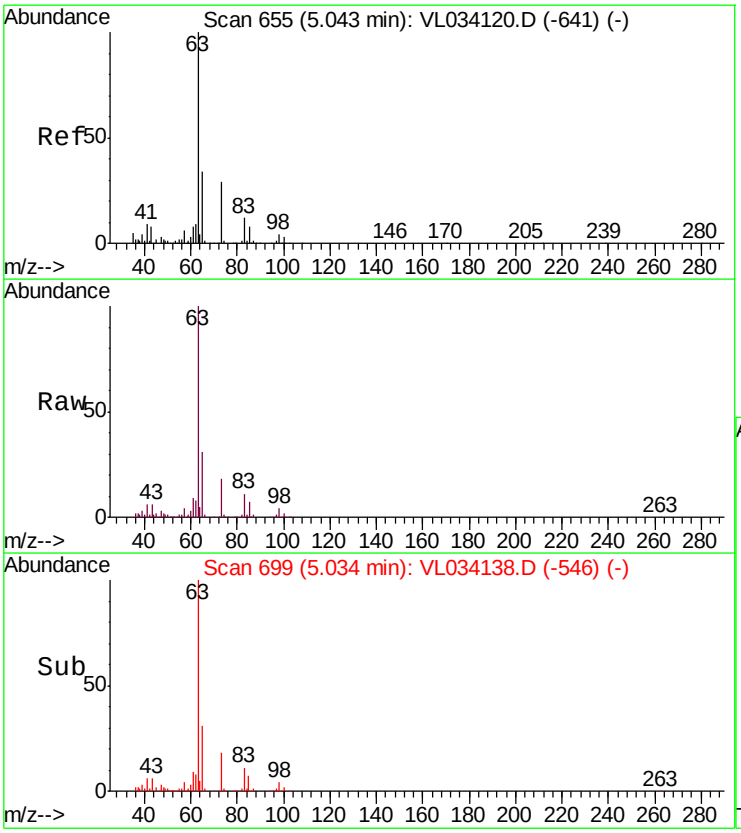
#23
Vinyl Acetate
Concen: 9.753 ppbv
RT: 5.10 min Scan# 719
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1979678

Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.5	8.3
42	9.4	8.2	12.4
44	5.3	4.3	6.5

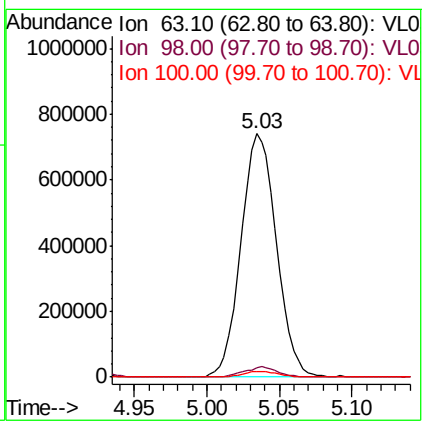


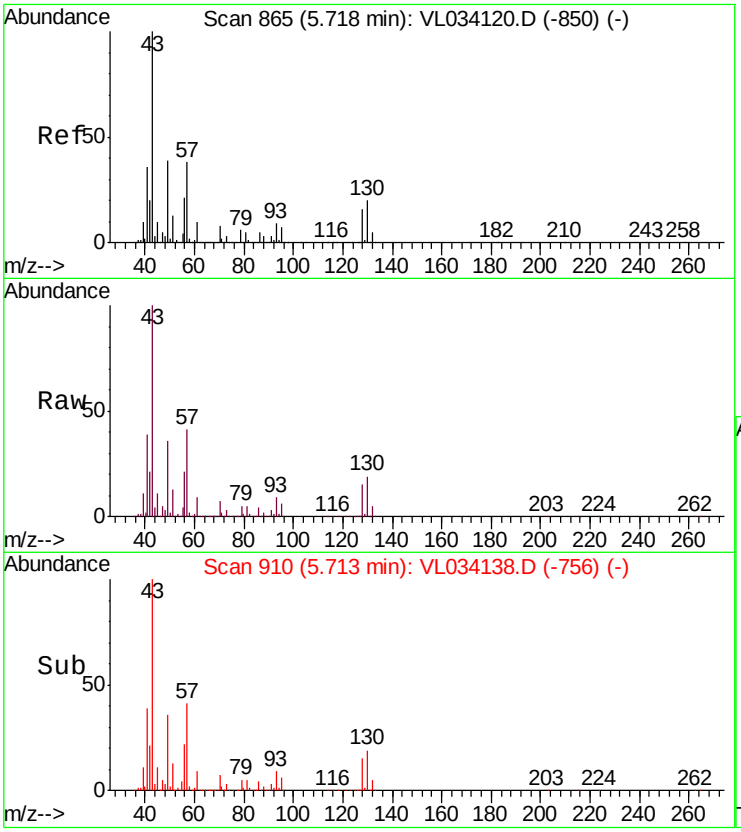


#24
1,1-Dichloroethane
Concen: 9.354 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 63 Resp: 1260104

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



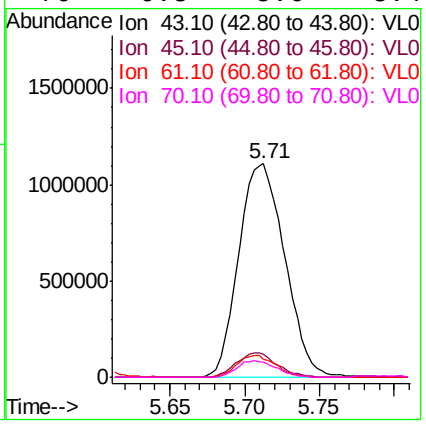


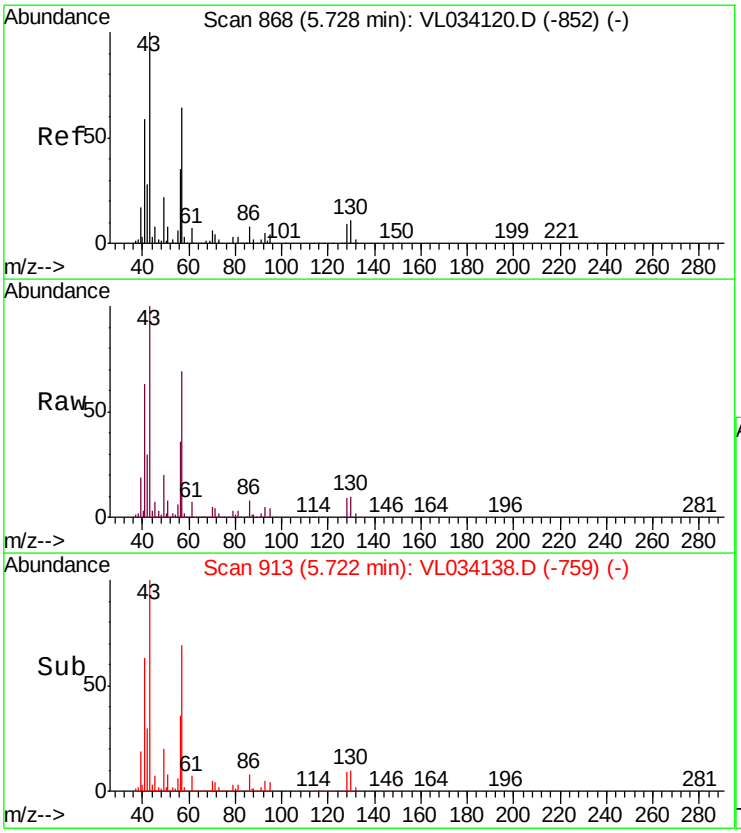
#25
Ethyl Acetate
Concen: 9.005 ppbv
RT: 5.71 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2364914

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	8.7	7.4	11.2
70	6.8	5.6	8.4

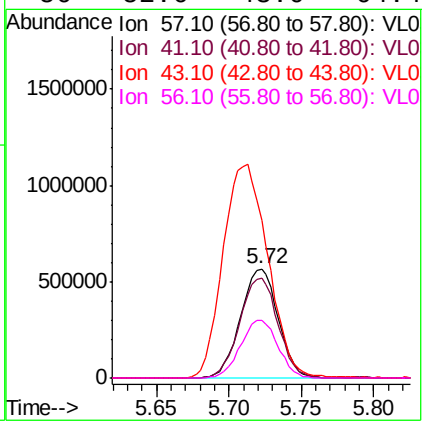


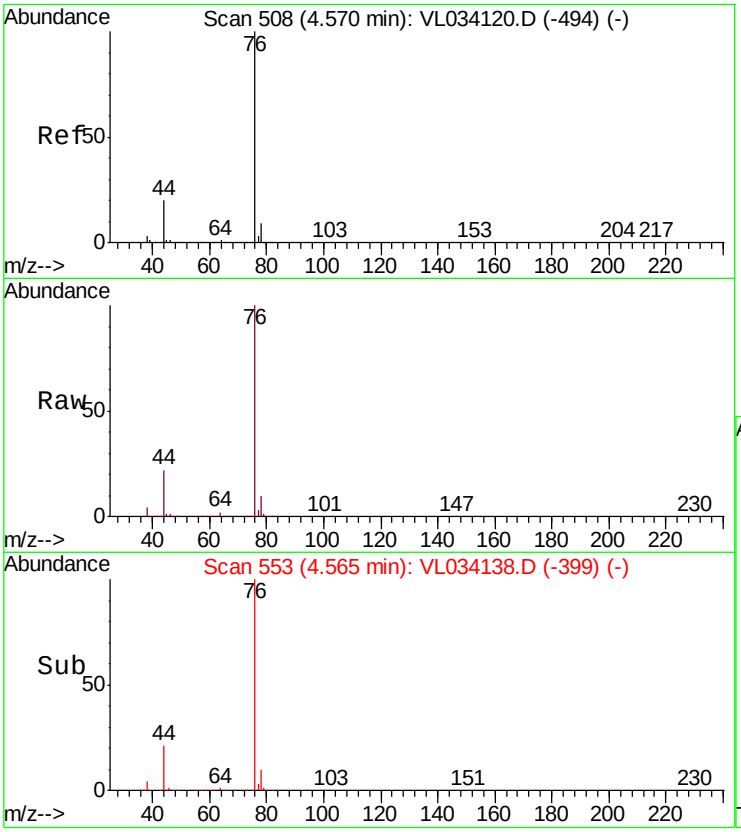


#26
Hexane
Concen: 8.758 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 57 Resp: 1022573

Ion	Ratio	Lower	Upper
57	100		
41	93.6	76.6	115.0
43	232.4	189.2	283.8
56	52.6	43.0	64.4



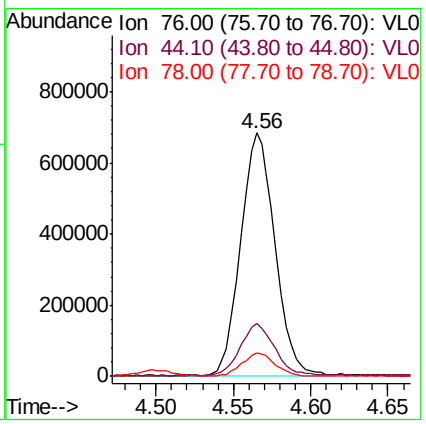


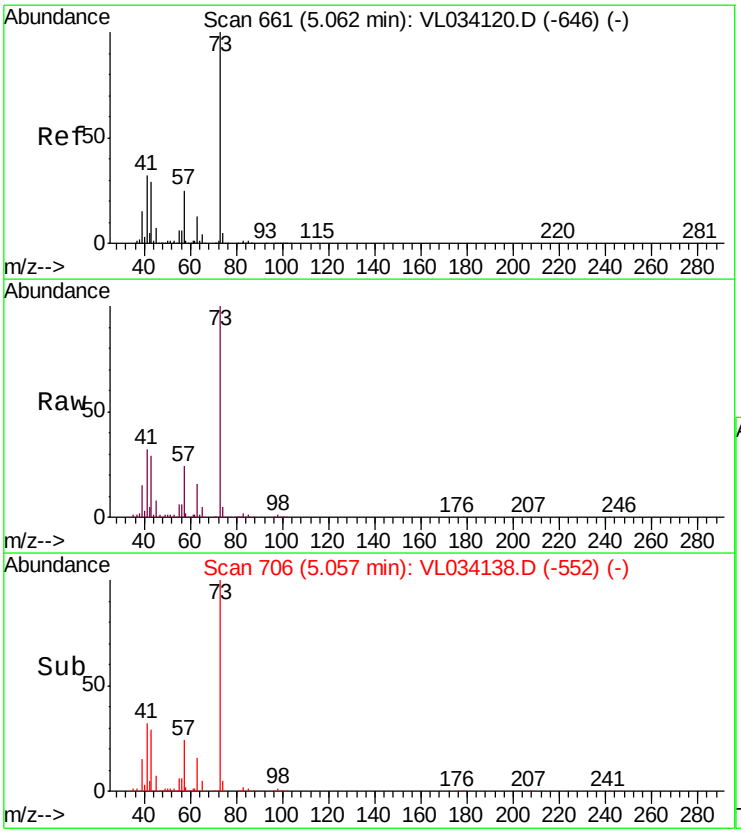
#27
Carbon Disulfide
Concen: 10.045 ppbv
RT: 4.56 min Scan# 553
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1058448

Ion	Ratio	Lower	Upper
76	100		
44	21.2	17.6	26.4
78	9.6	7.3	10.9

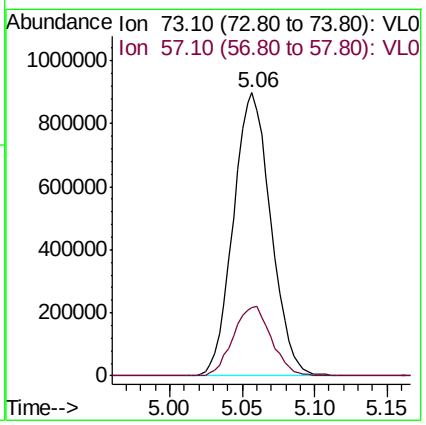


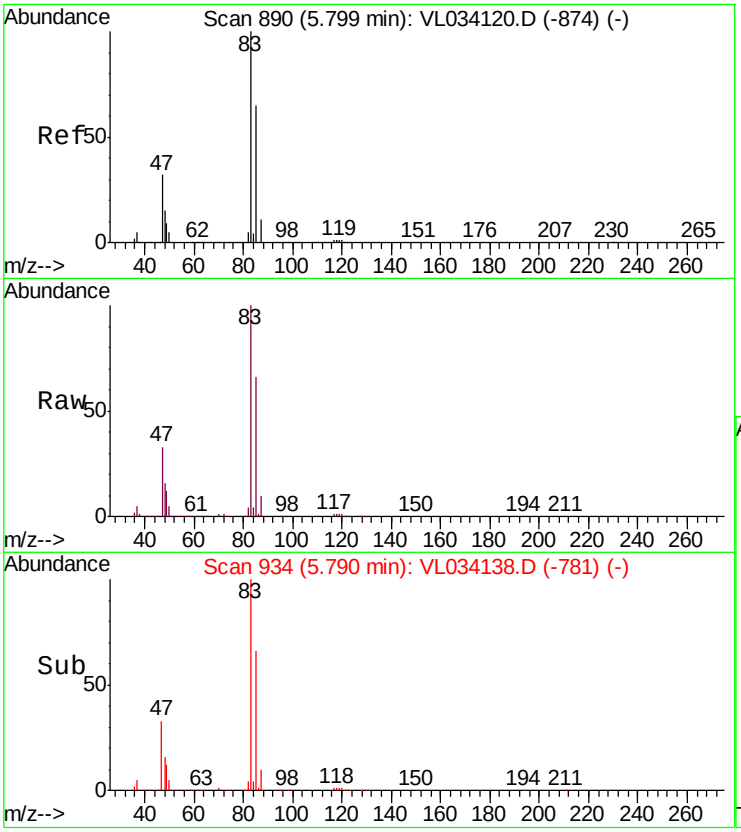


#28
Methyl tert-Butyl Ether
Concen: 9.458 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 73 Resp: 1617986

Ion	Ratio	Lower	Upper
73	100		
57	25.1	19.8	29.8



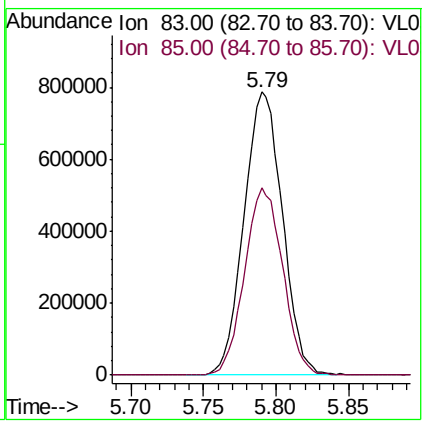


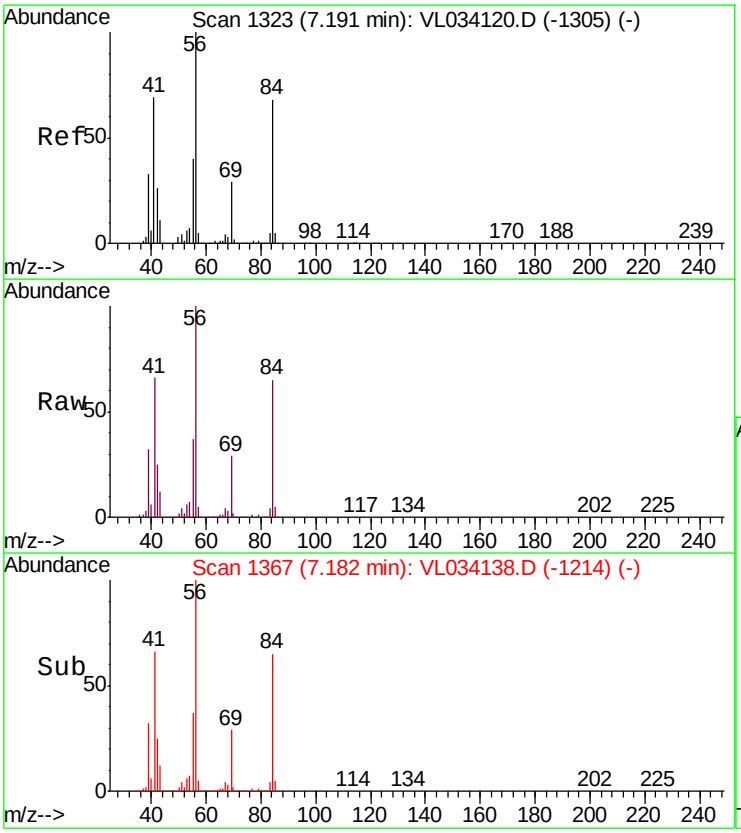
#29
Chloroform
Concen: 9.224 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1452616

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.6

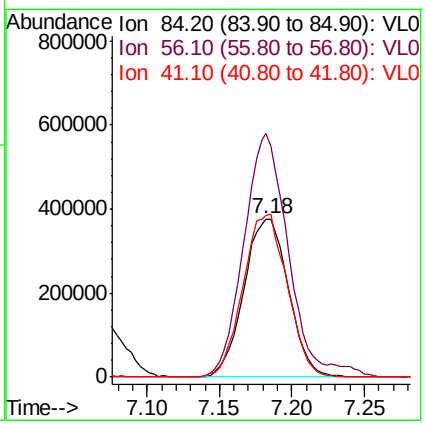


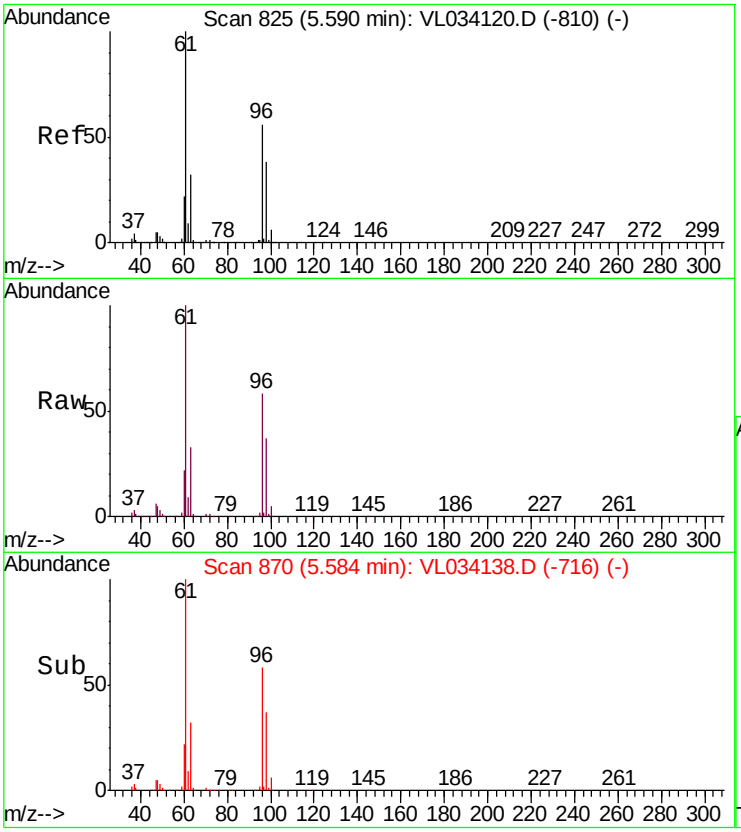


#30
Cyclohexane
Concen: 9.518 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 84 Resp: 803444

Ion	Ratio	Lower	Upper
84	100		
56	155.8	122.6	183.8
41	102.6	79.1	118.7



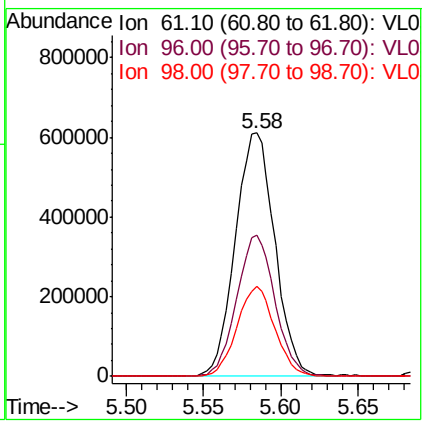


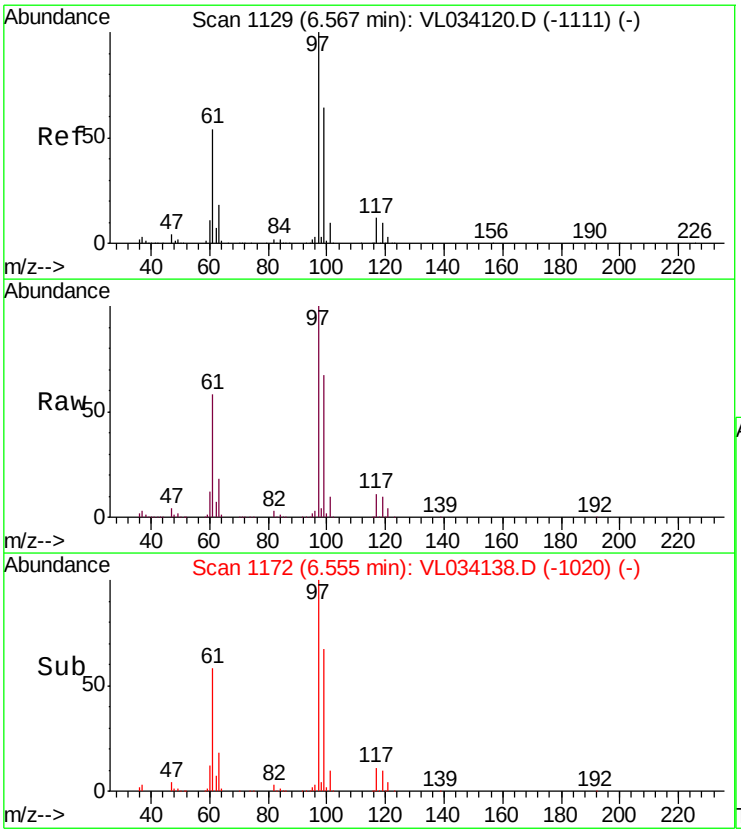
#31
cis-1,2-Dichloroethene
Concen: 9.708 ppbv
RT: 5.58 min Scan# 870
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1085465

Ion	Ratio	Lower	Upper
61	100		
96	57.9	44.4	66.6
98	36.8	30.0	45.0

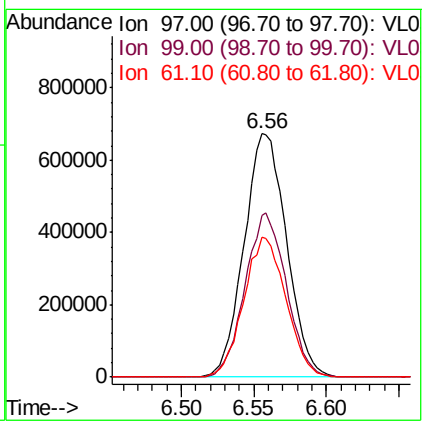


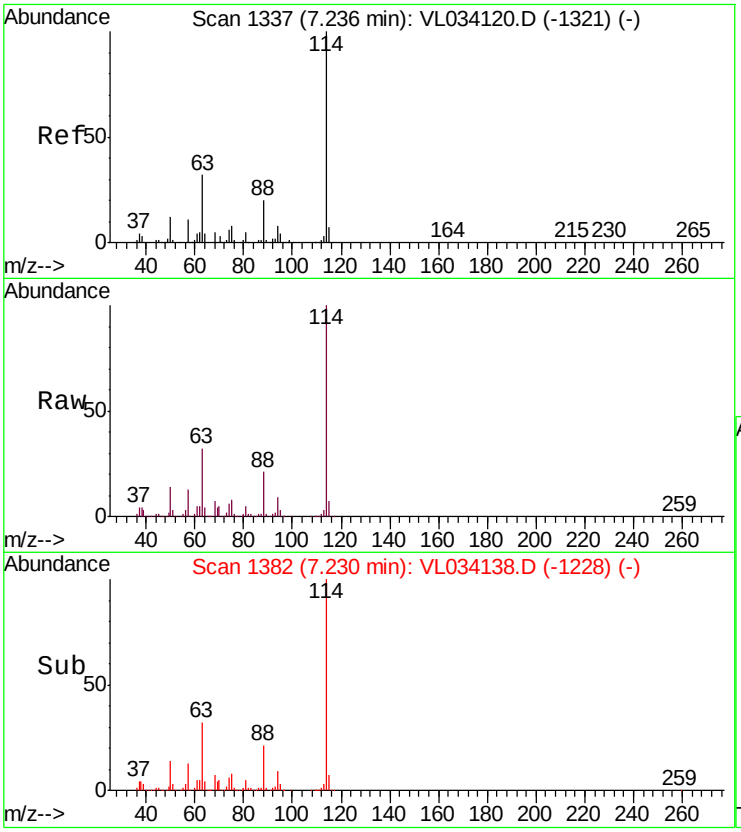


#32
1,1,1-Trichloroethane
Concen: 9.245 ppbv
RT: 6.56 min Scan# 1172
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 97 Resp: 1375560

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.7	77.5
61	57.2	44.0	66.0



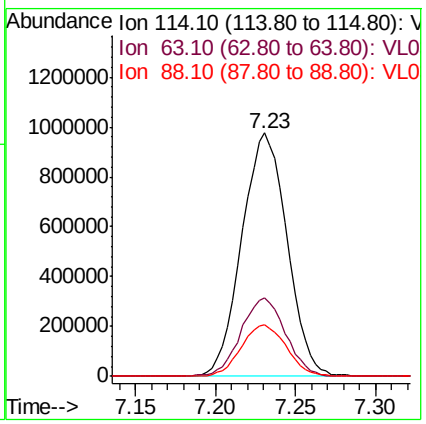


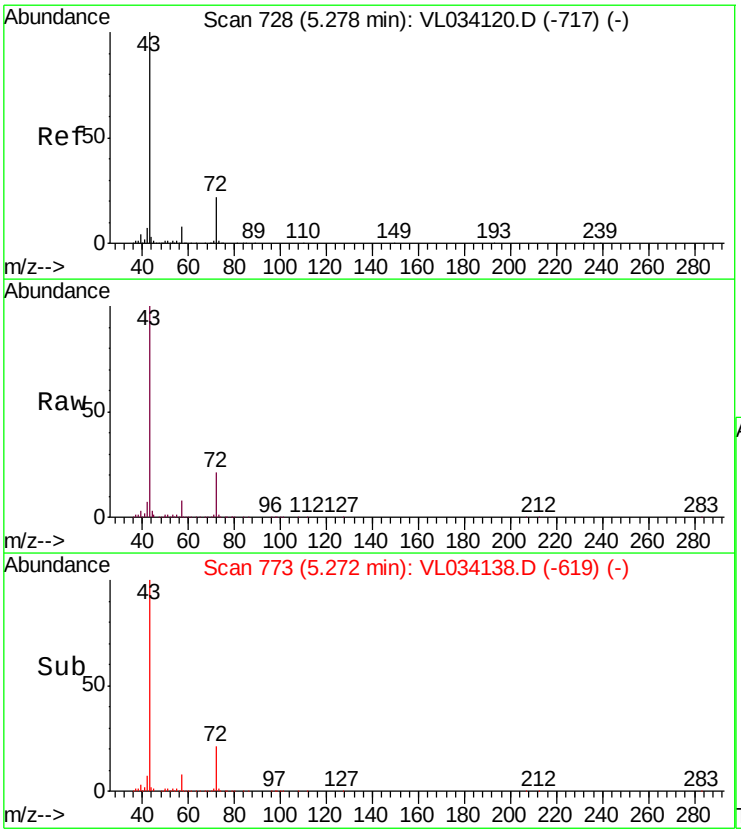
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.23 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 1890507

Ion	Ratio	Lower	Upper
114	100		
63	32.0	25.5	38.3
88	21.0	16.8	25.2

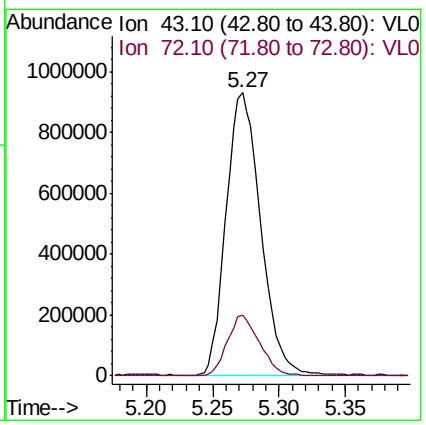


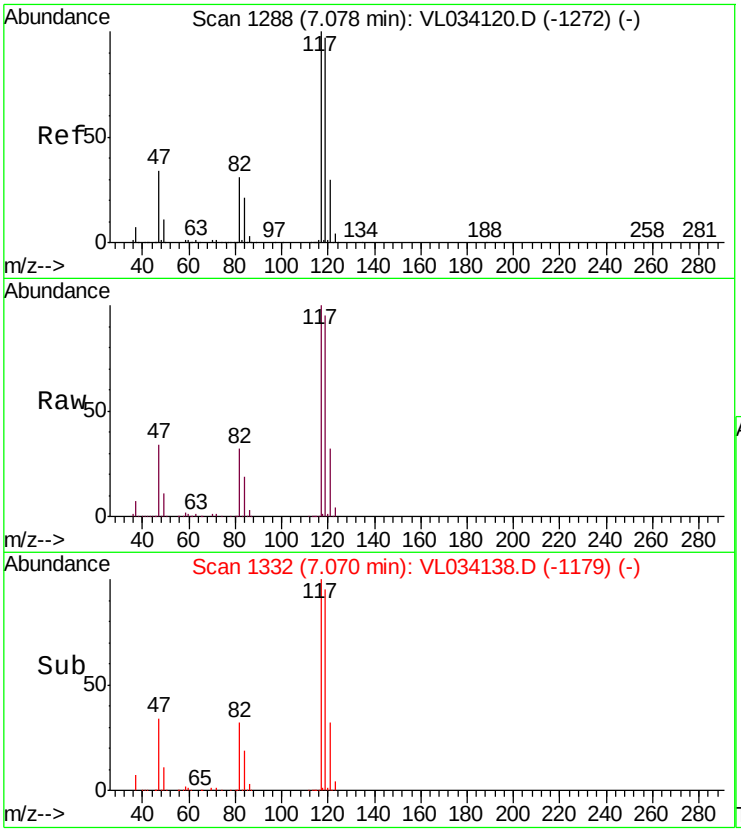


#34
2-Butanone
Concen: 9.247 ppbv
RT: 5.27 min Scan# 773
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 43 Resp: 1680689

Ion	Ratio	Lower	Upper
43	100		
72	20.3	16.5	24.7



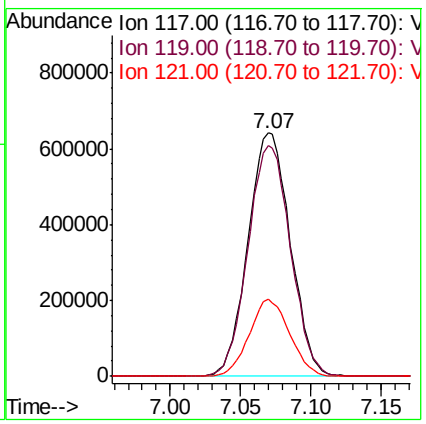


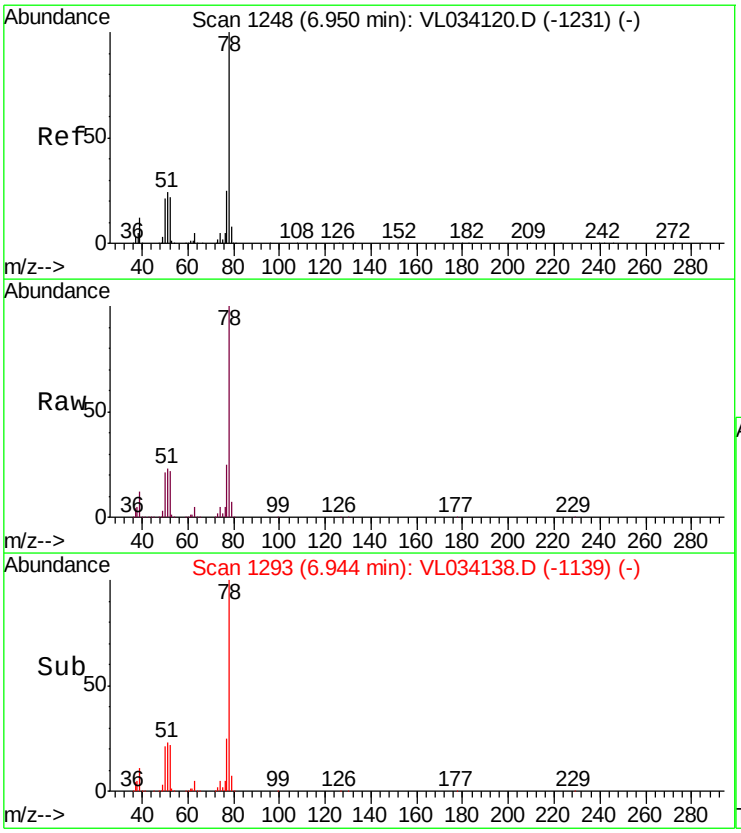
#35
Carbon Tetrachloride
Concen: 9.107 ppbv
RT: 7.07 min Scan# 1332
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1342308

Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.2	115.8
121	31.8	24.2	36.4

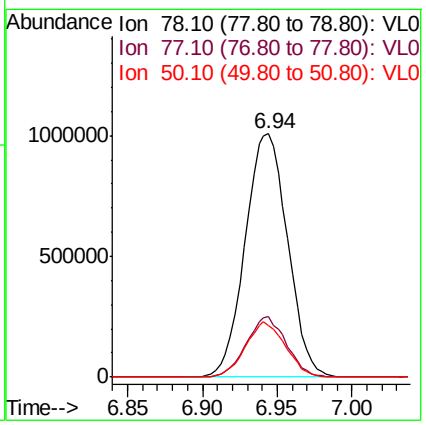


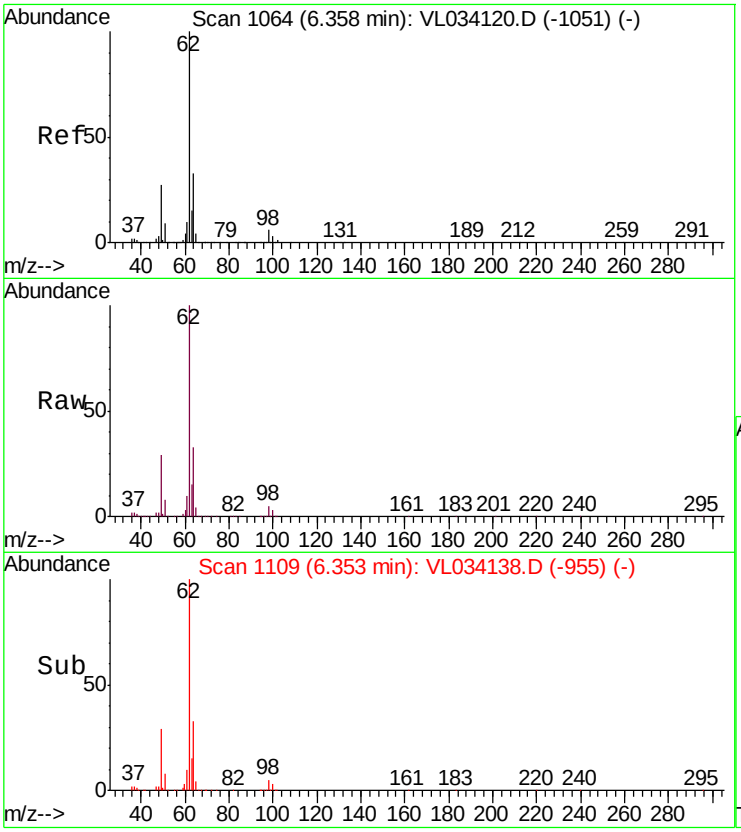


#36
Benzene
Concen: 9.182 ppbv
RT: 6.94 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 78 Resp: 1984123

Ion	Ratio	Lower	Upper
78	100		
77	24.8	20.3	30.5
50	21.0	16.9	25.3

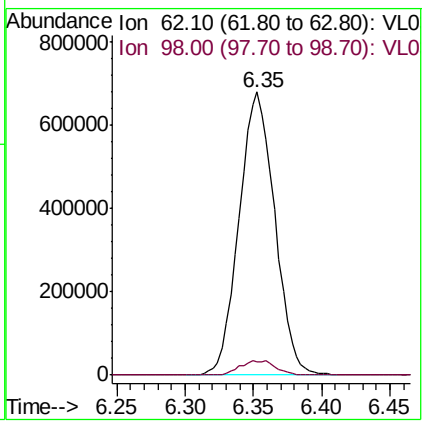




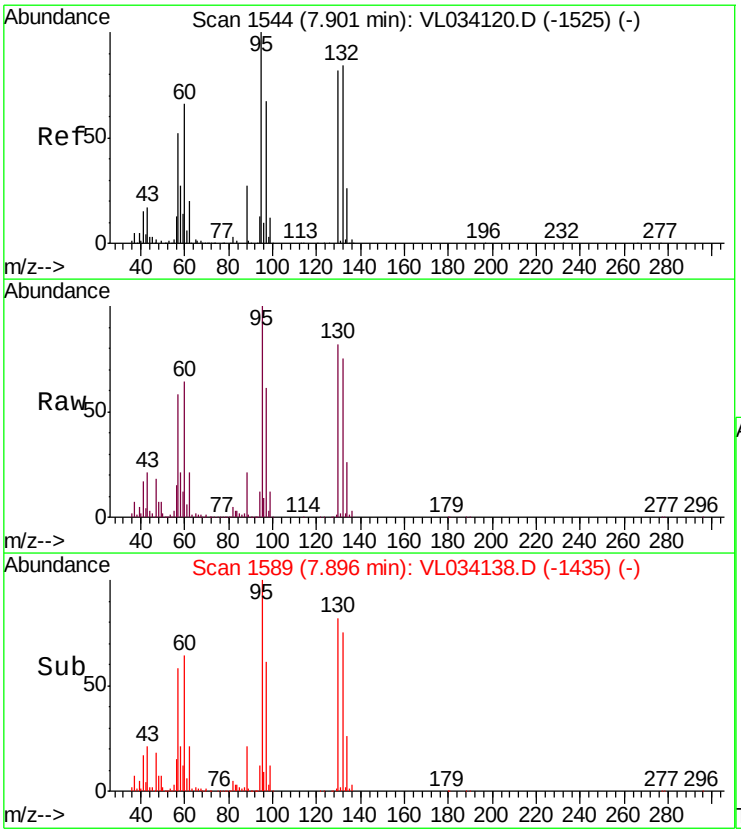
#37
1,2-Dichloroethane
Concen: 9.339 ppbv
RT: 6.35 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 62 Resp: 1237950

Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.4	6.6



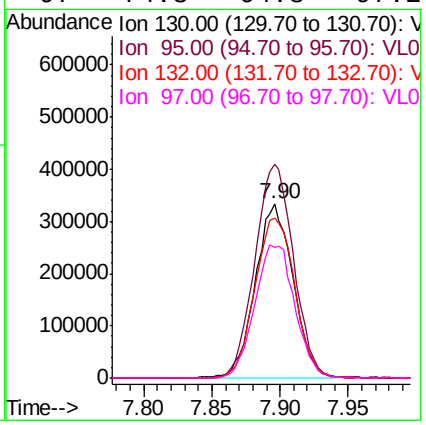
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

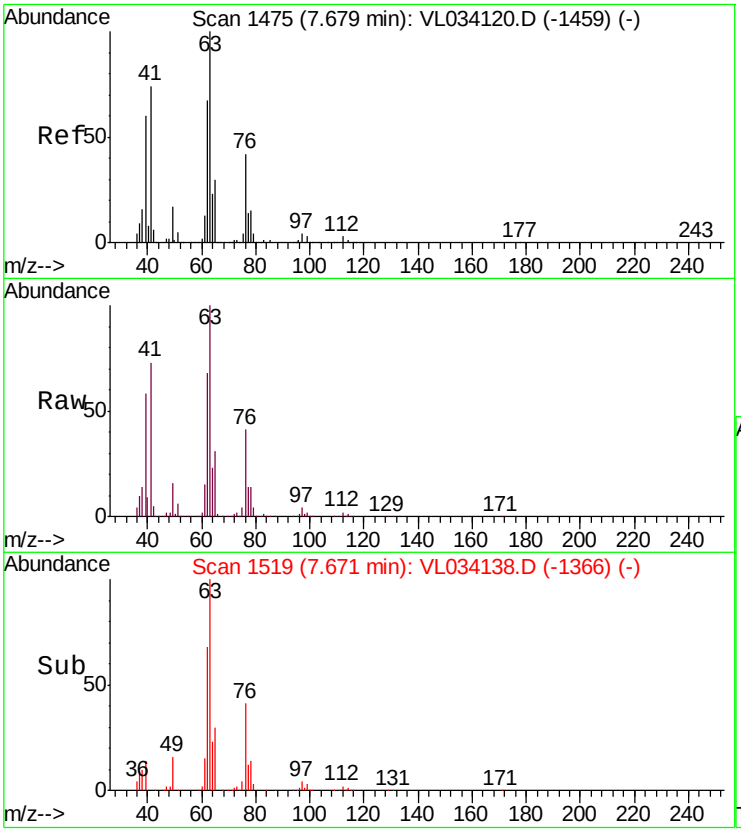


#38
Trichloroethene
Concen: 7.938 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:130 Resp: 640051

Ion	Ratio	Lower	Upper
130	100		
95	122.8	97.2	145.8
132	91.6	81.4	122.2
97	74.8	64.8	97.2



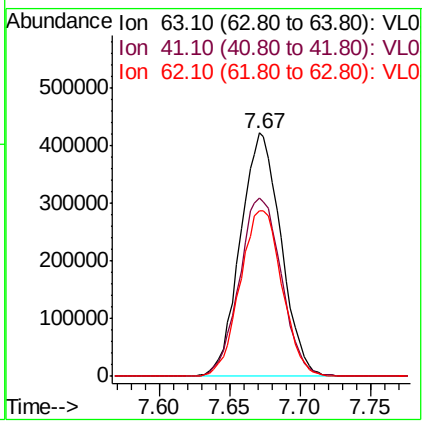


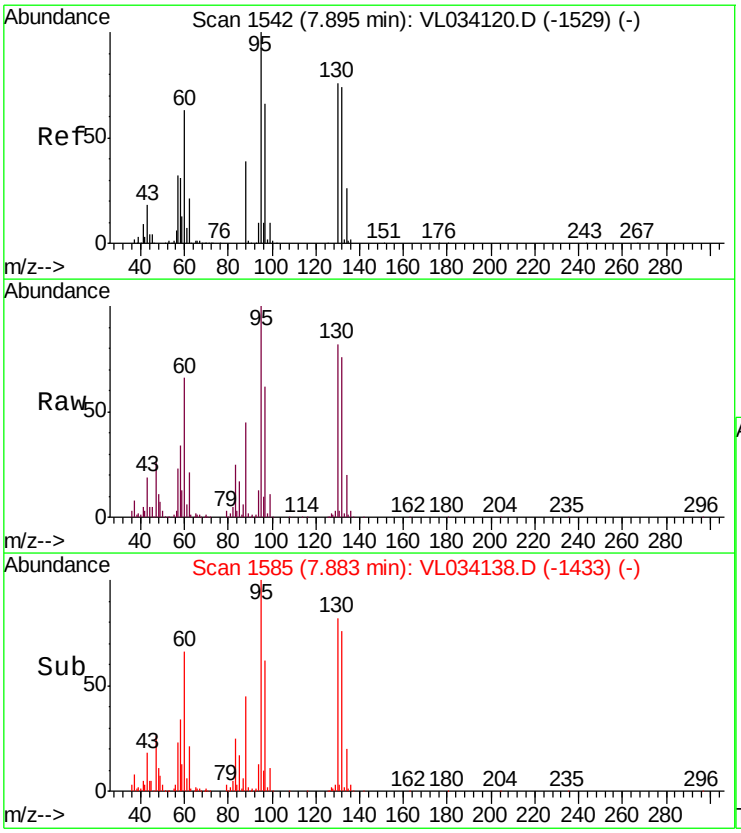
#39
1,2-Dichloropropane
Concen: 9.215 ppbv
RT: 7.67 min Scan# 1519
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 852207

Ion	Ratio	Lower	Upper
63	100		
41	73.0	59.3	88.9
62	68.0	53.8	80.6

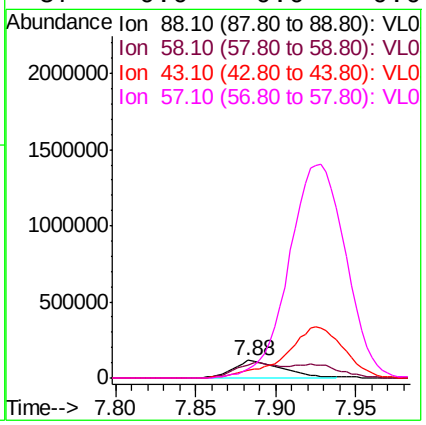


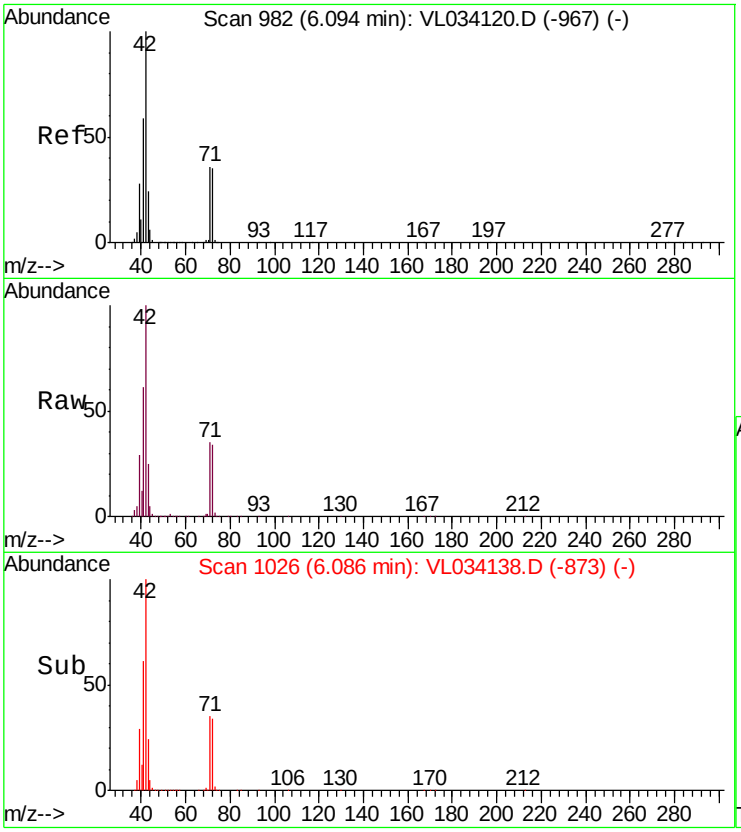


#40
1,4-Dioxane
Concen: 7.050 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 88 Resp: 239598

Ion	Ratio	Lower	Upper
88	100		
58	157.5	121.7	182.5
43	0.0	0.0	0.0
57	0.0	0.0	0.0



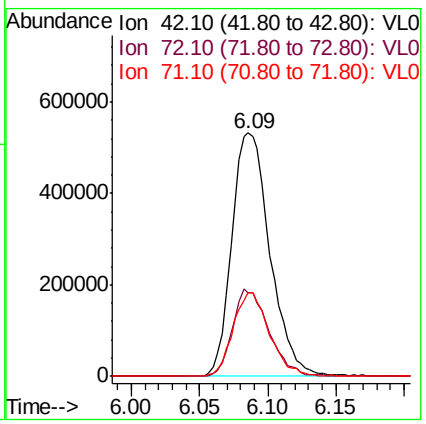


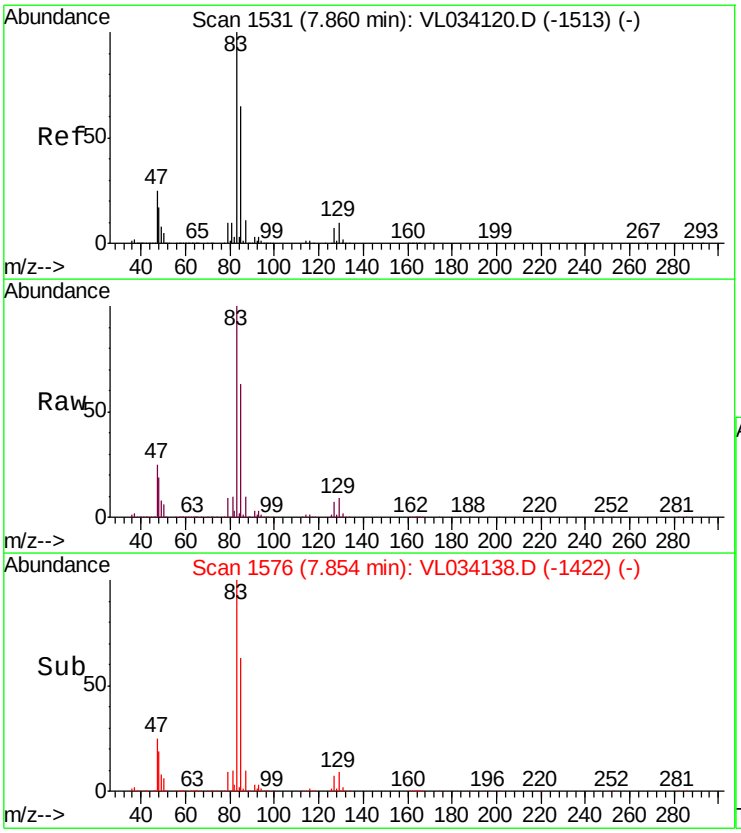
#41
Tetrahydrofuran
Concen: 9.457 ppbv
RT: 6.09 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 42 Resp: 1030429

Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.7	41.5
71	33.3	26.7	40.1

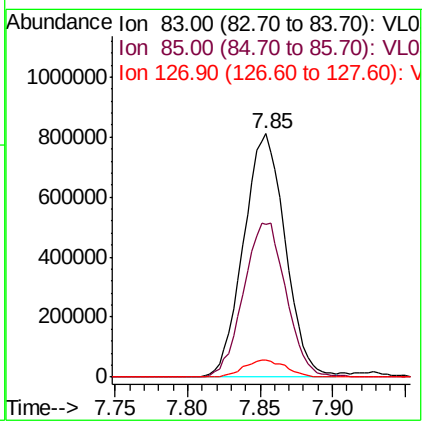


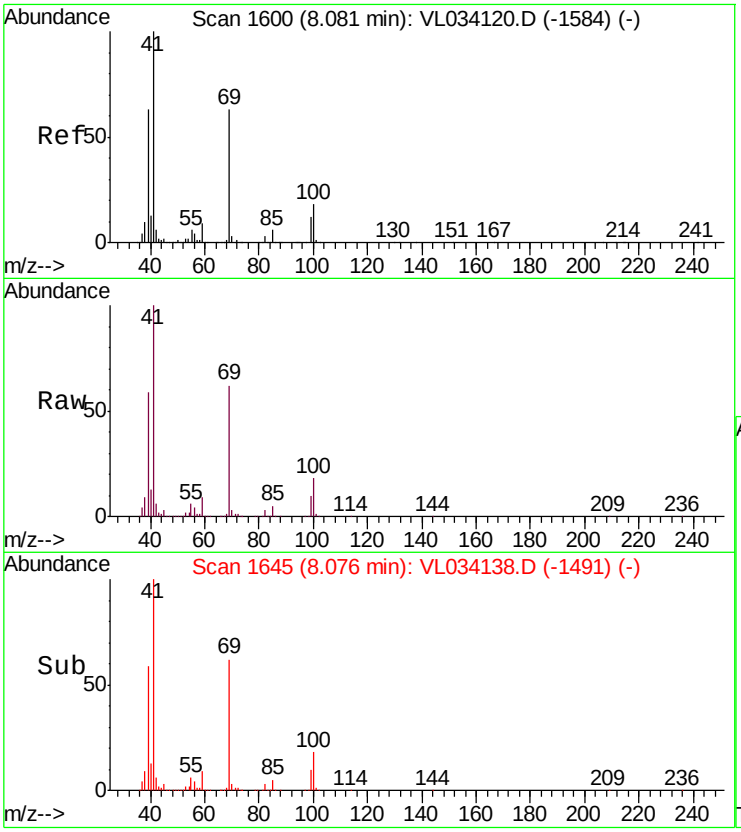


#42
Bromodichloromethane
Concen: 9.399 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 83 Resp: 1623867

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.6	77.4
127	7.0	5.4	8.0



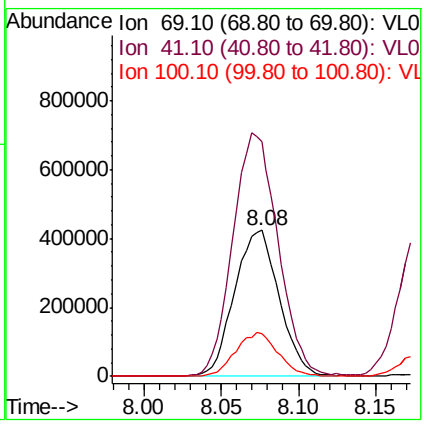


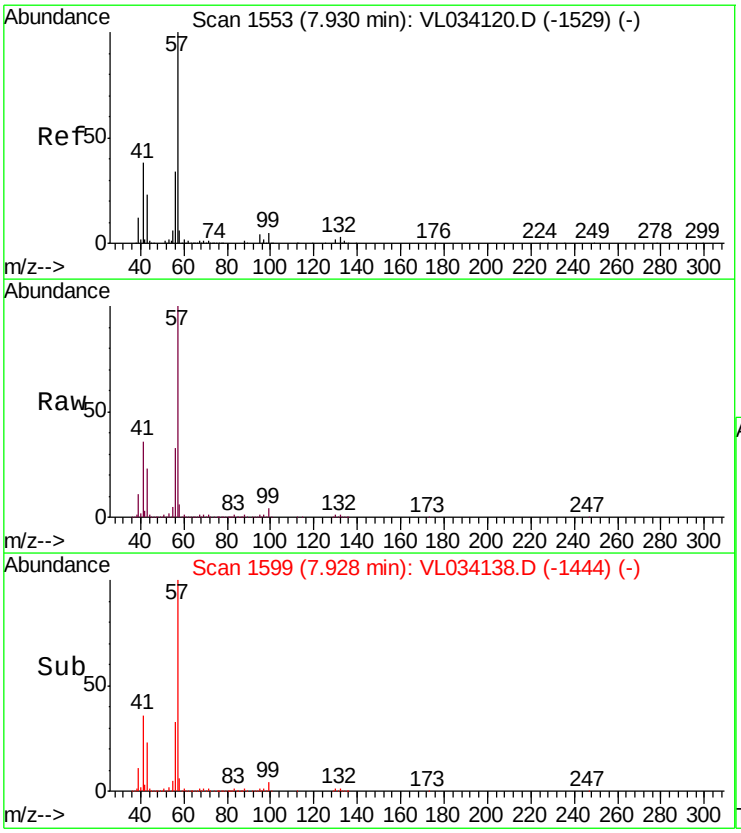
#43
Methyl Methacrylate
Concen: 9.587 ppbv
RT: 8.08 min Scan# 1645
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 853455

Ion	Ratio	Lower	Upper
69	100		
41	168.5	131.0	196.6
100	28.6	22.6	33.8

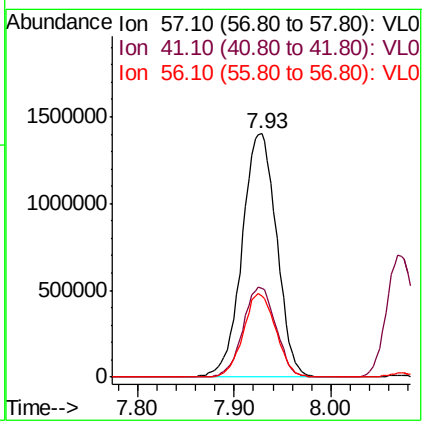


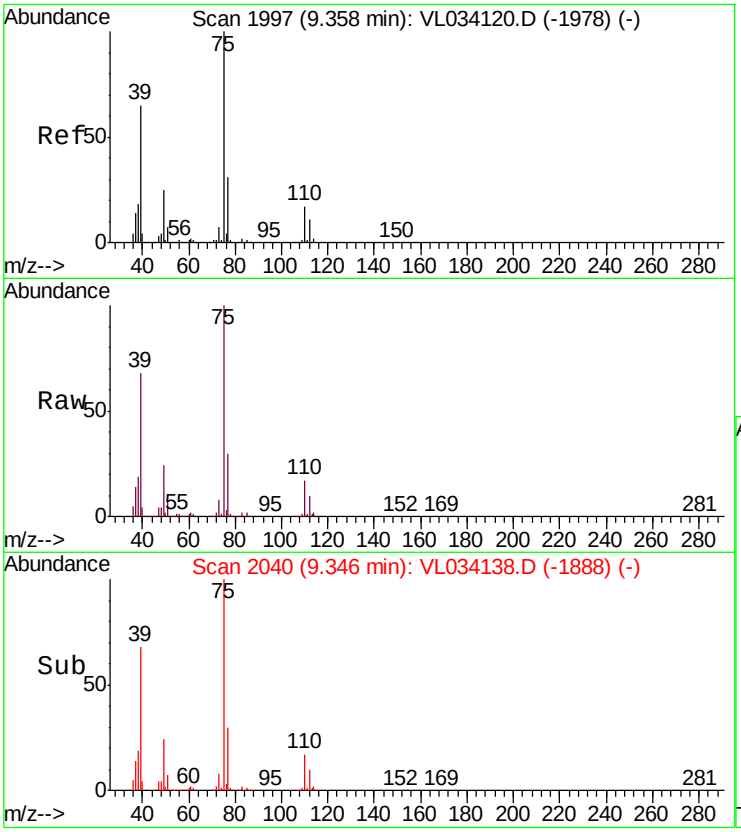


#44
2,2,4-Trimethylpentane
Concen: 8.729 ppbv
RT: 7.93 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 57 Resp: 3477475

Ion	Ratio	Lower	Upper
57	100		
41	35.3	28.4	42.6
56	32.4	26.3	39.5



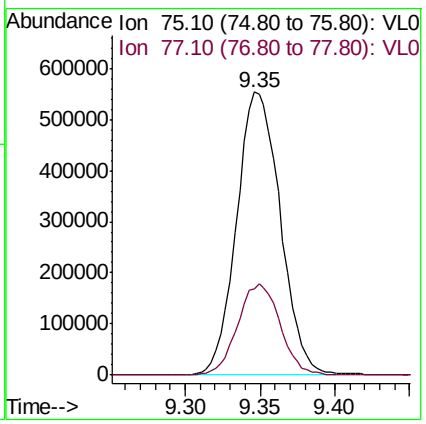


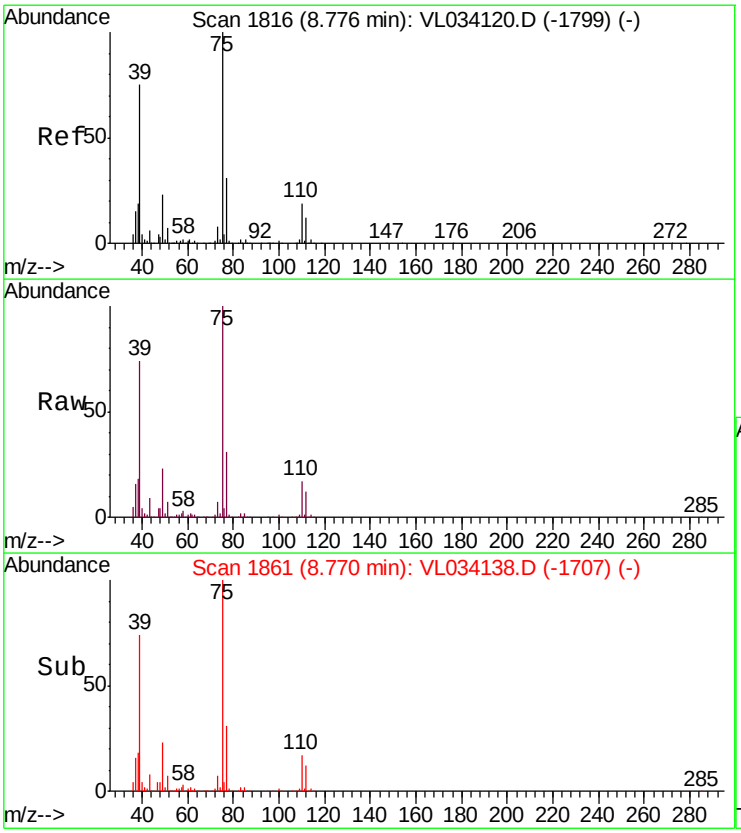
#45
t-1,3-Dichloropropene
Concen: 10.765 ppbv
RT: 9.35 min Scan# 2040
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1126371

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.6	36.8

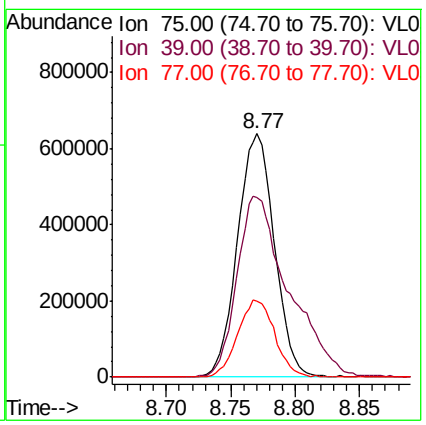


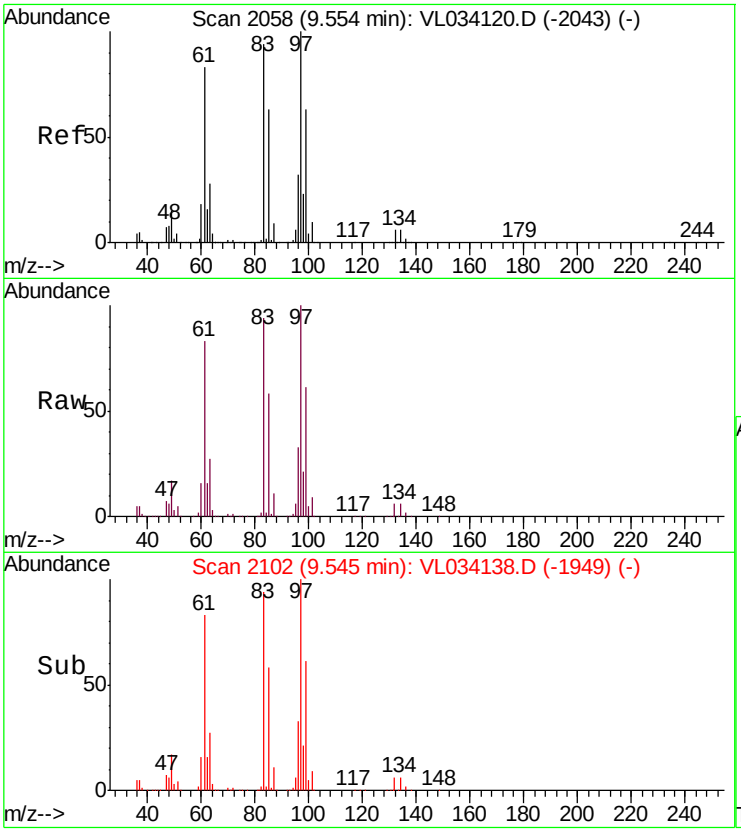


#46
cis-1,3-Dichloropropene
Concen: 10.023 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 75 Resp: 1275810

Ion	Ratio	Lower	Upper
75	100		
39	73.8	60.0	90.0
77	31.0	24.8	37.2



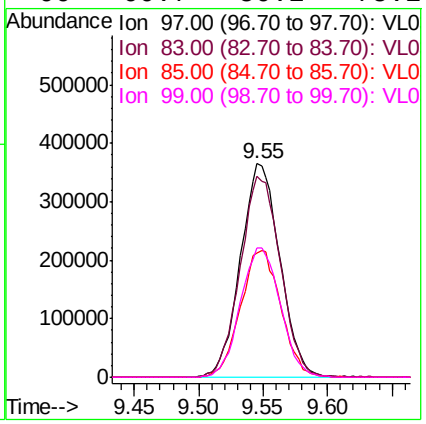


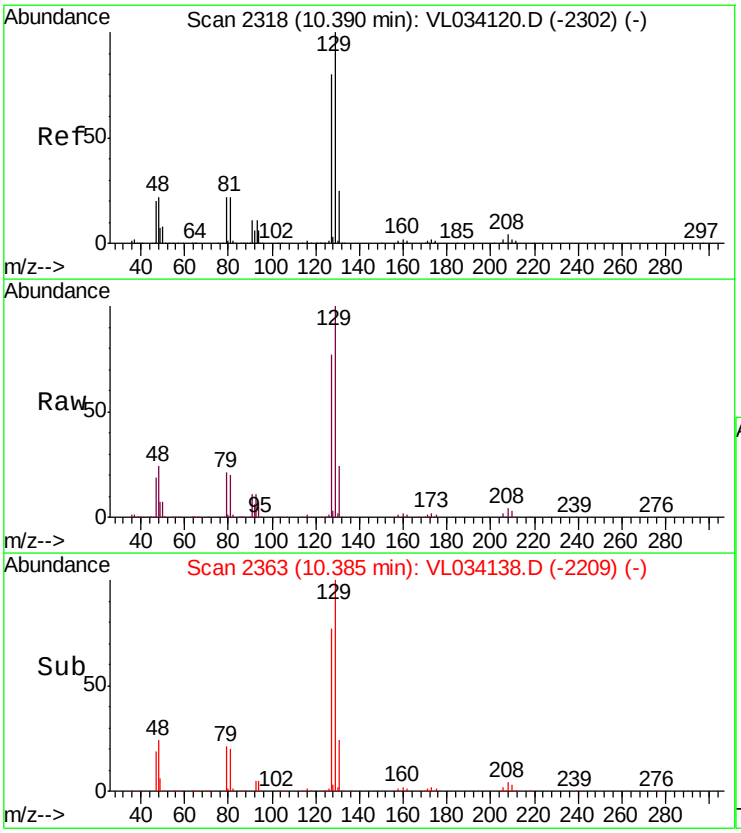
#47
1,1,2-Trichloroethane
Concen: 9.213 ppbv
RT: 9.55 min Scan# 2102
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 776241

Ion	Ratio	Lower	Upper
97	100		
83	94.2	74.9	112.3
85	58.4	50.6	75.8
99	60.7	50.2	75.2

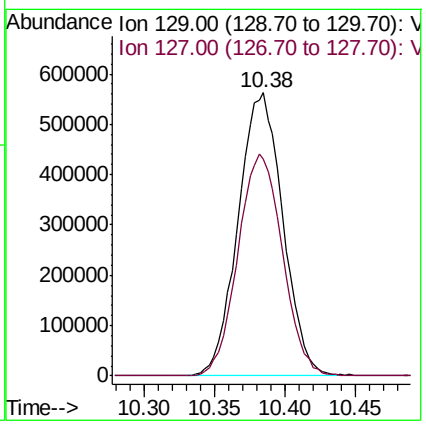


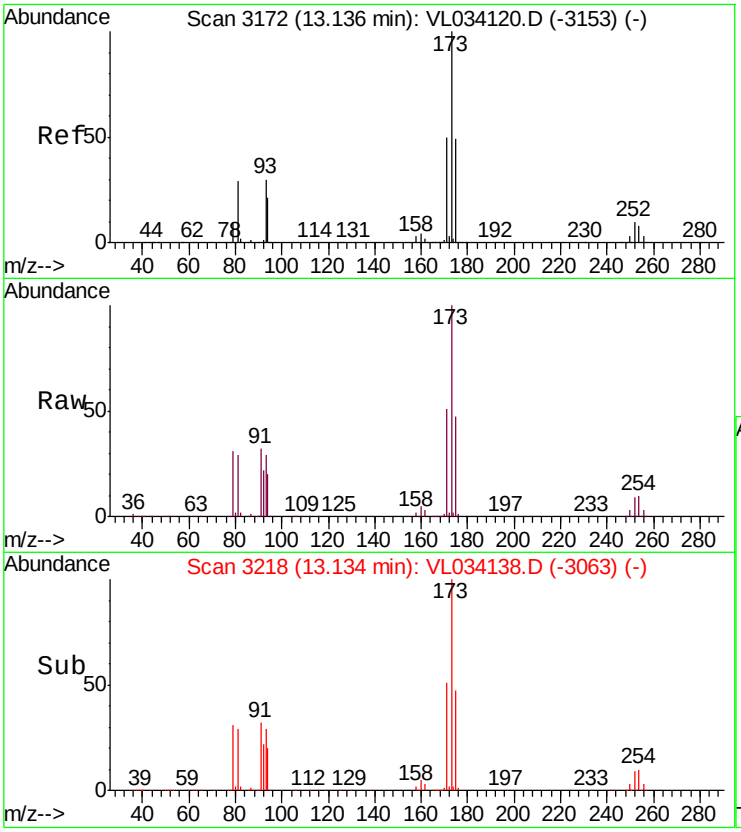


#48
Dibromochloromethane
Concen: 9.910 ppbv
RT: 10.38 min Scan# 2363
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:129 Resp: 1245790

Ion	Ratio	Lower	Upper
129	100		
127	78.2	40.2	120.6



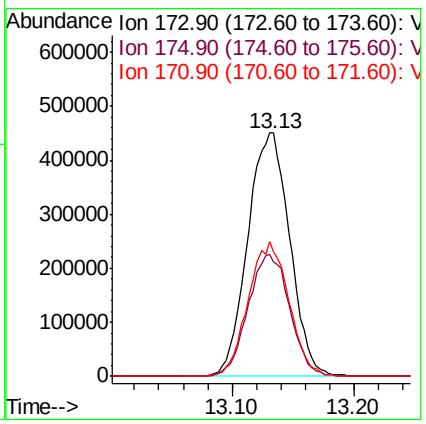


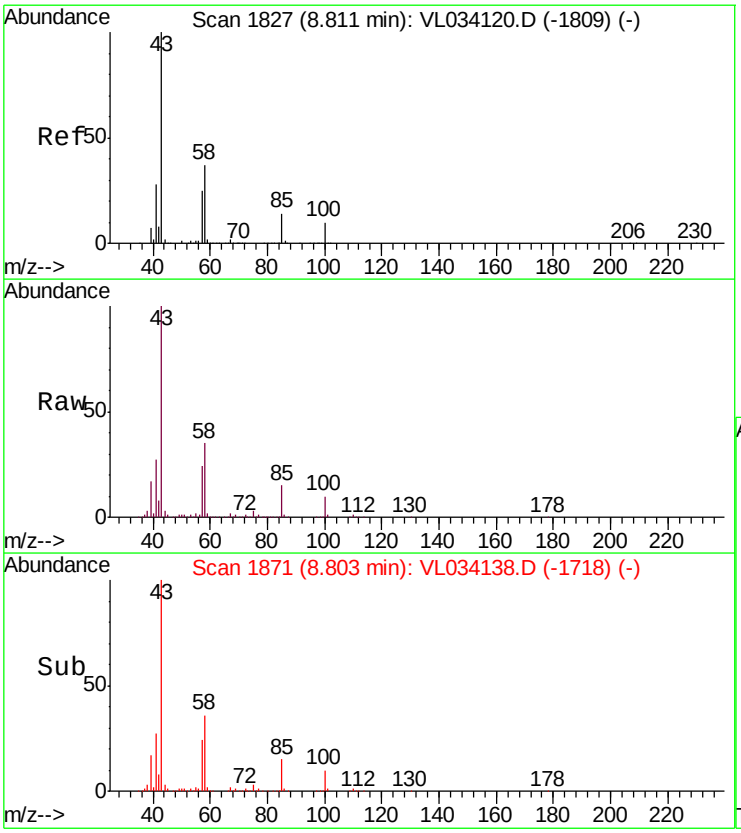
#49
Bromoform
Concen: 9.729 ppbv
RT: 13.13 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1072315

Ion	Ratio	Lower	Upper
173	100		
175	49.6	40.0	60.0
171	53.5	42.2	63.2

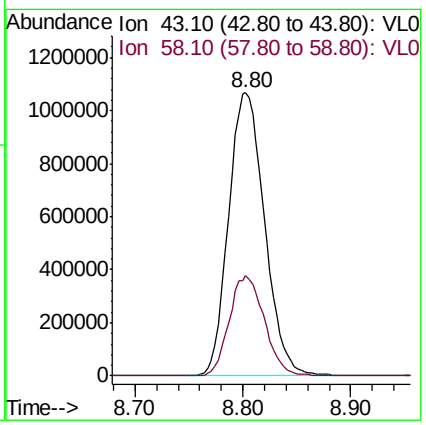


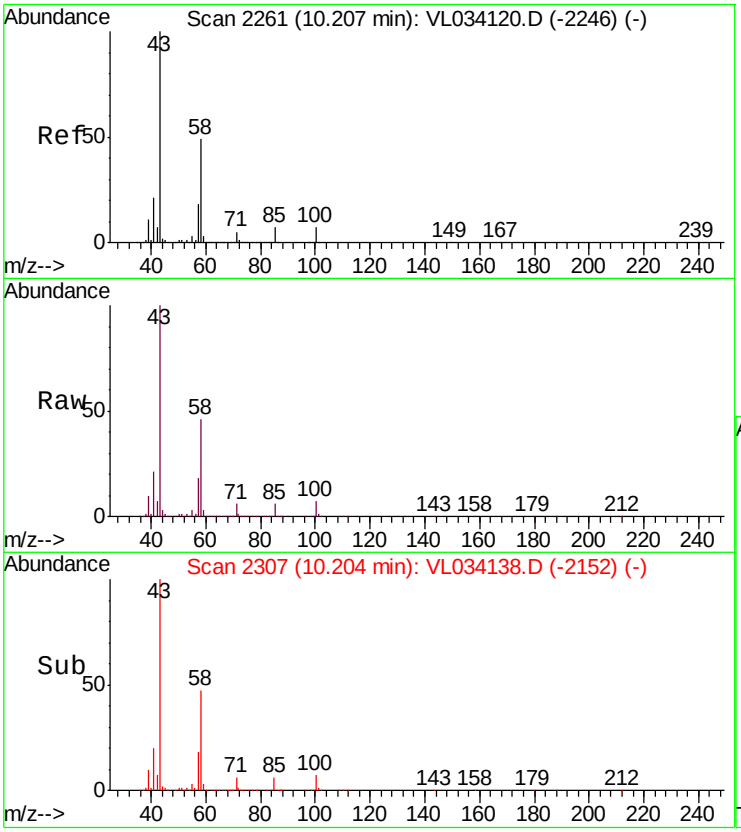


#50
4-Methyl-2-Pentanone
Concen: 8.941 ppbv
RT: 8.80 min Scan# 1871
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 43 Resp: 2479773

Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.5	42.7



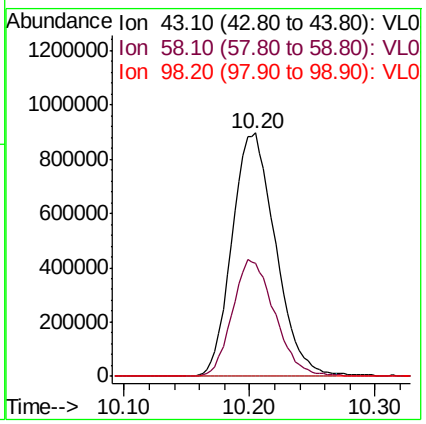


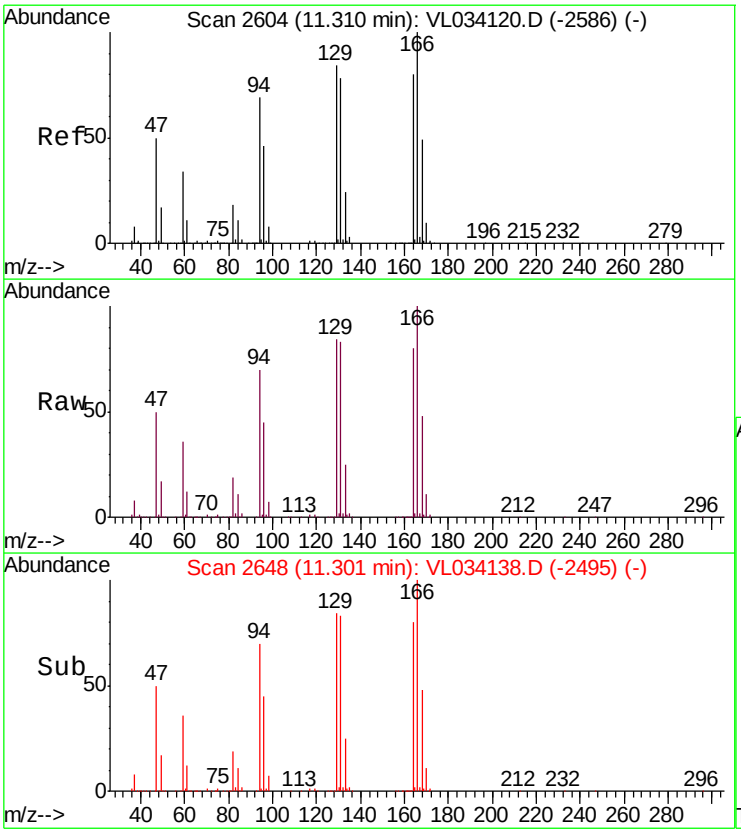
#51
2-Hexanone
Concen: 8.990 ppbv
RT: 10.20 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2153950

Ion	Ratio	Lower	Upper
43	100		
58	46.8	38.2	57.2
98	0.1	0.1	0.1#

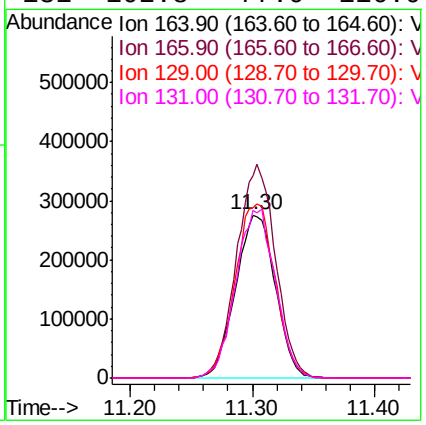


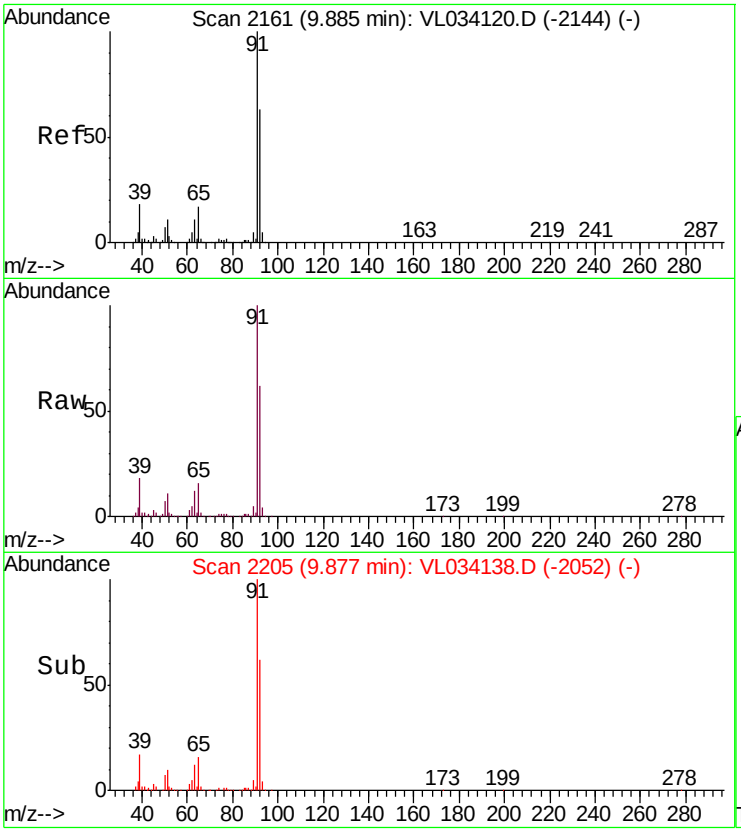


#52
Tetrachloroethene
Concen: 8.114 ppbv
RT: 11.30 min Scan# 2648
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:164 Resp: 618290

Ion	Ratio	Lower	Upper
164	100		
166	124.2	99.5	149.3
129	104.6	83.6	125.4
131	102.8	77.9	116.9



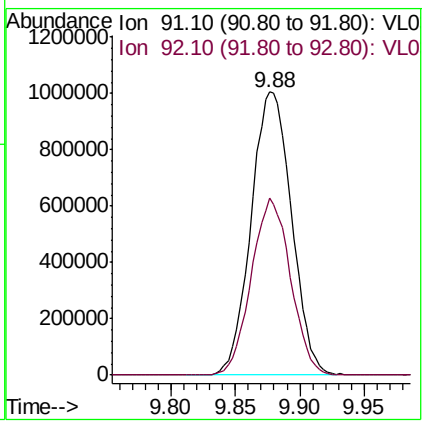


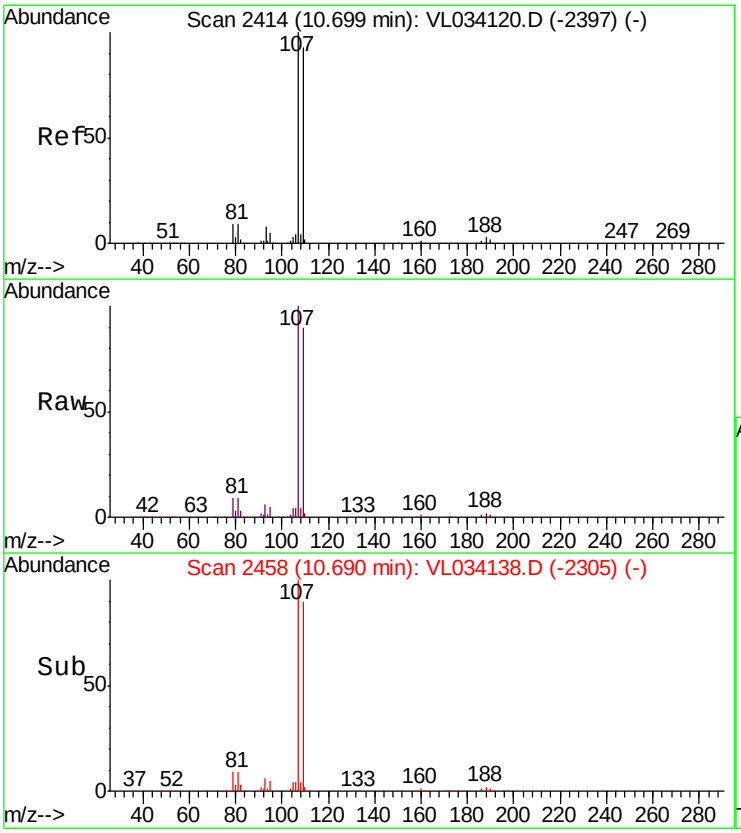
#53
Toluene
Concen: 9.201 ppbv
RT: 9.88 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2198903

Ion	Ratio	Lower	Upper
91	100		
92	60.7	49.3	73.9

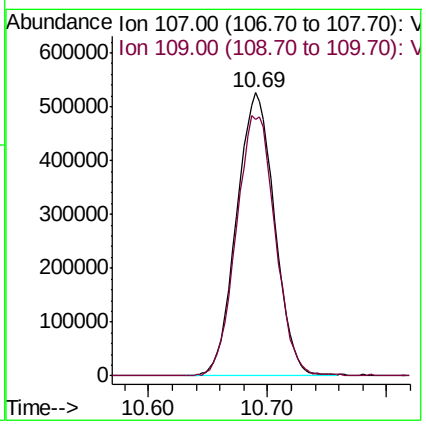


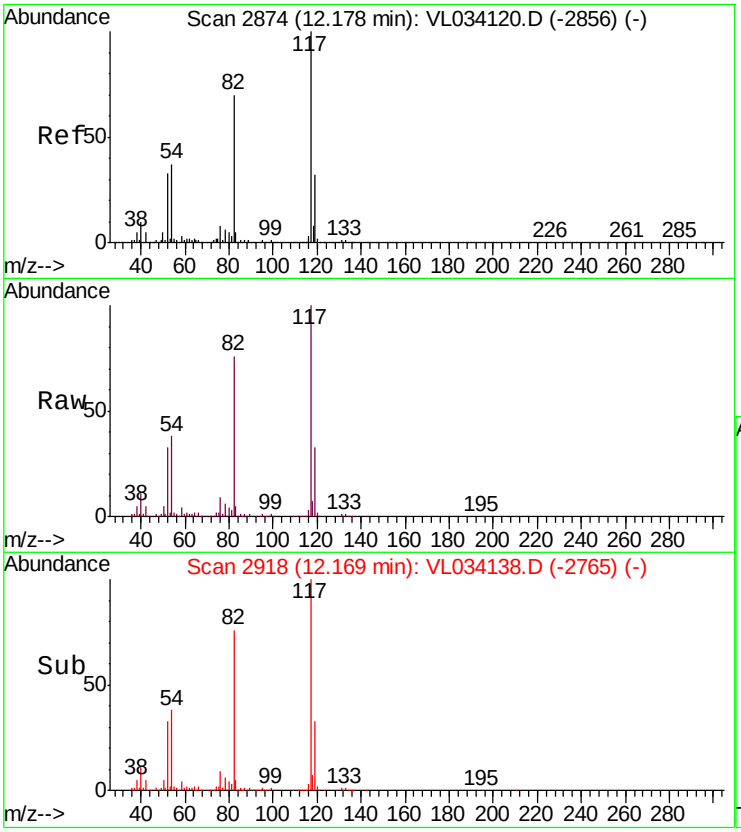


#54
1,2-Dibromoethane
Concen: 9.255 ppbv
RT: 10.69 min Scan# 2458
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:107 Resp: 1161605

Ion	Ratio	Lower	Upper
107	100		
109	90.4	74.5	111.7



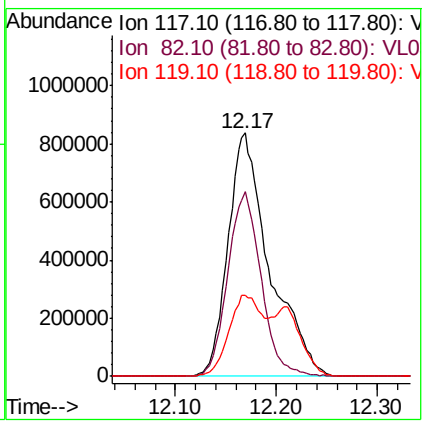


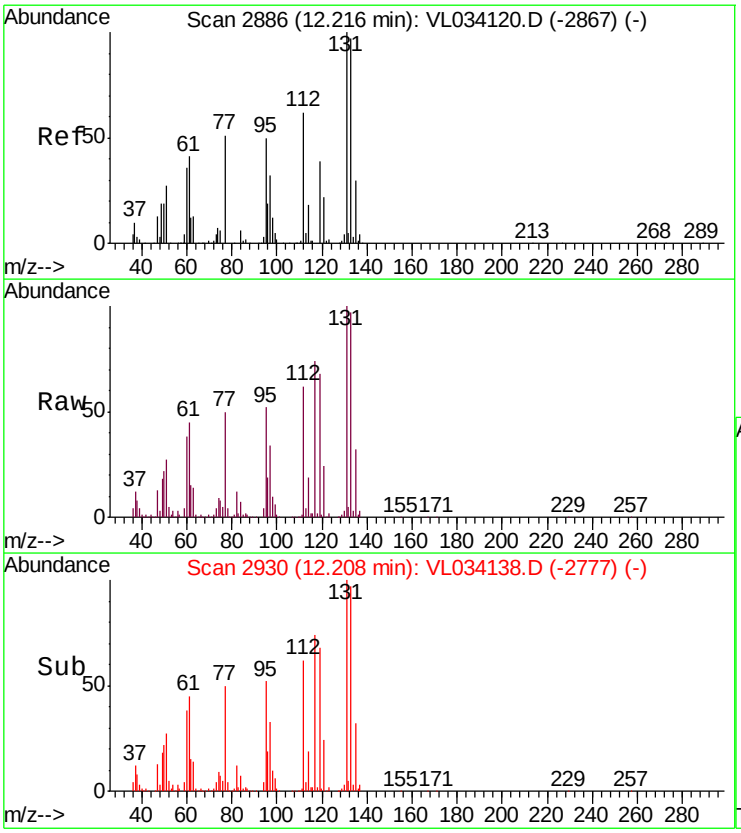
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2396233

Ion	Ratio	Lower	Upper
117	100		
82	61.1	55.8	83.6
119	47.0	43.1	64.7

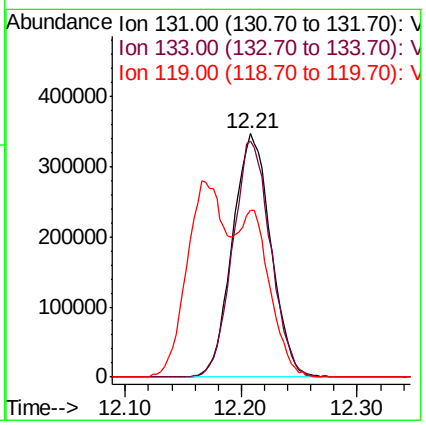


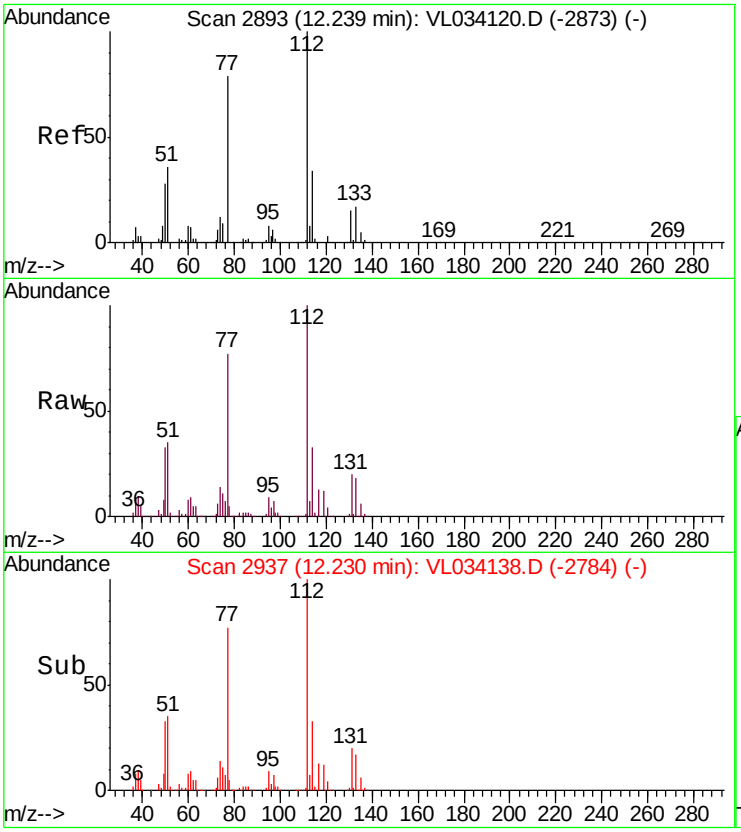


#56
1,1,1,2-Tetrachloroethane
Concen: 7.755 ppbv
RT: 12.21 min Scan# 2930
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:131 Resp: 796981

Ion	Ratio	Lower	Upper
131	100		
133	96.1	75.8	113.6
119	59.3	114.7	172.1#



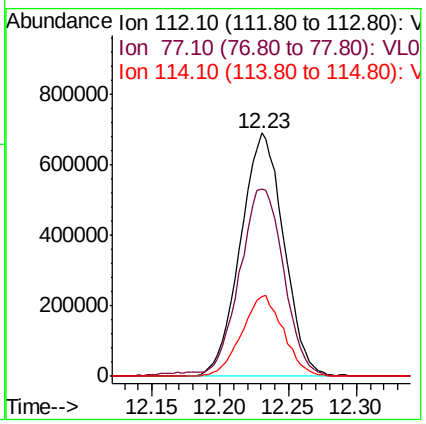


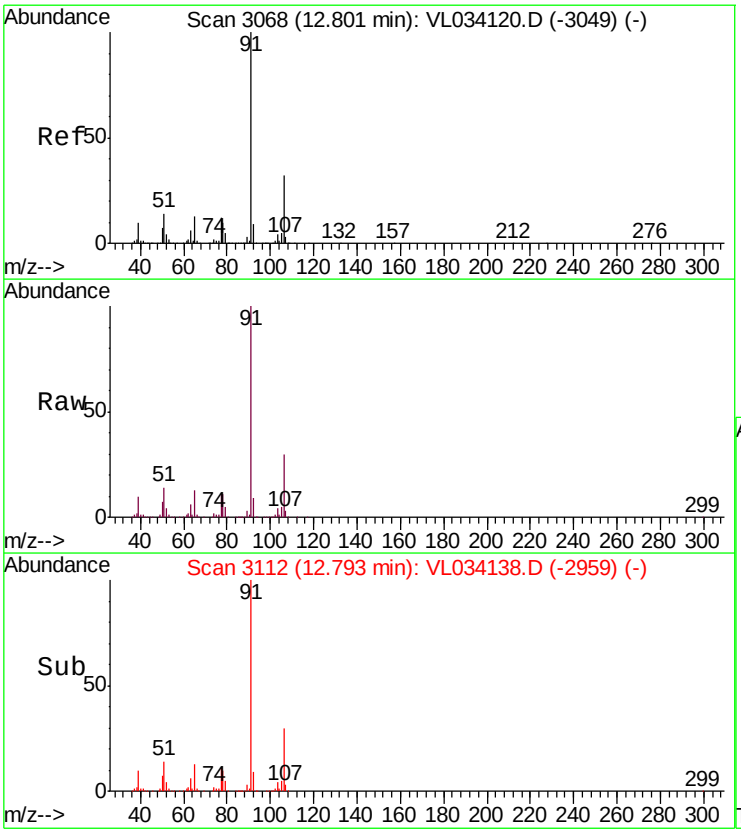
#57
Chlorobenzene
Concen: 7.382 ppbv
RT: 12.23 min Scan# 2937
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1521723

Ion	Ratio	Lower	Upper
112	100		
77	76.7	64.4	96.6
114	32.7	30.3	37.1

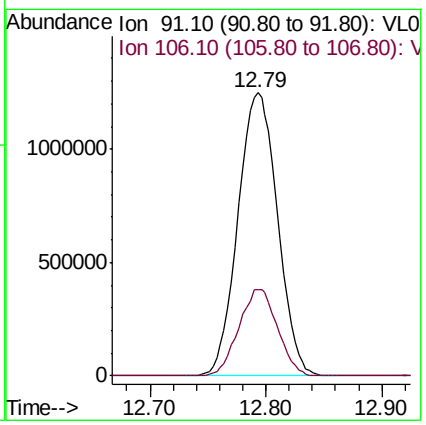


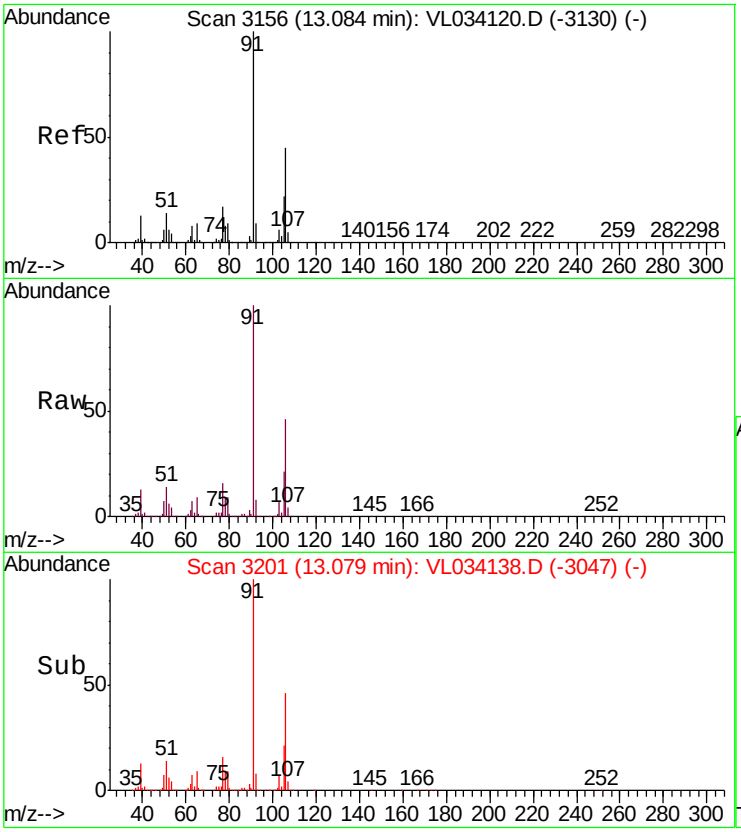


#58
Ethyl Benzene
Concen: 7.543 ppbv
RT: 12.79 min Scan# 3112
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 91 Resp: 2963817

Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.3	37.9



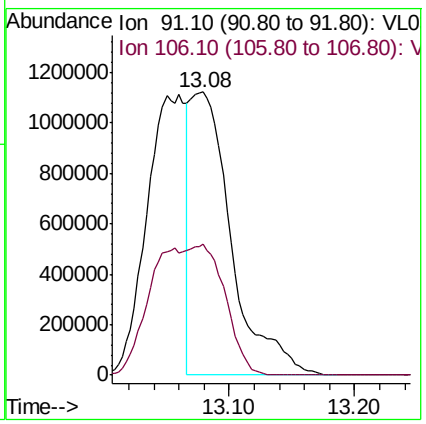


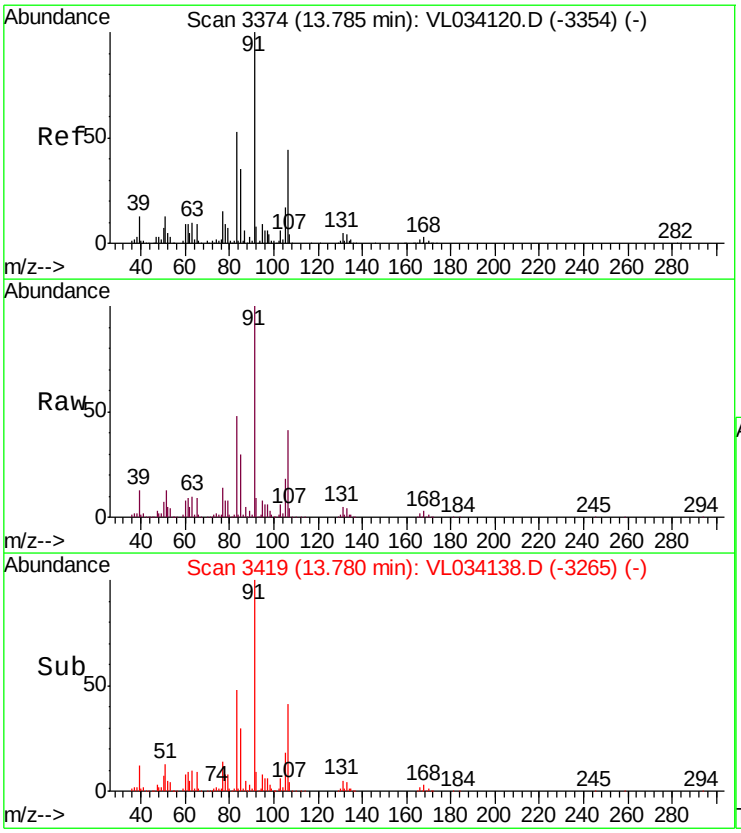
#59
m/p-Xylene
Concen: 7.926 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2540652

Ion	Ratio	Lower	Upper
91	100		
106	82.5	35.4	53.2#

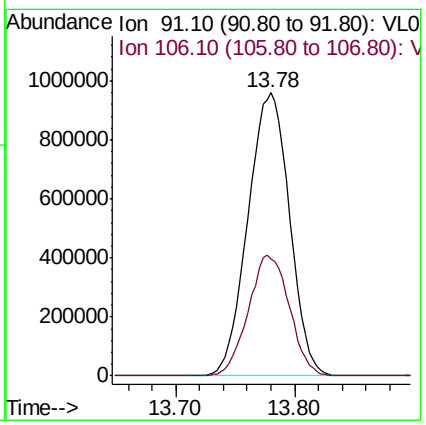


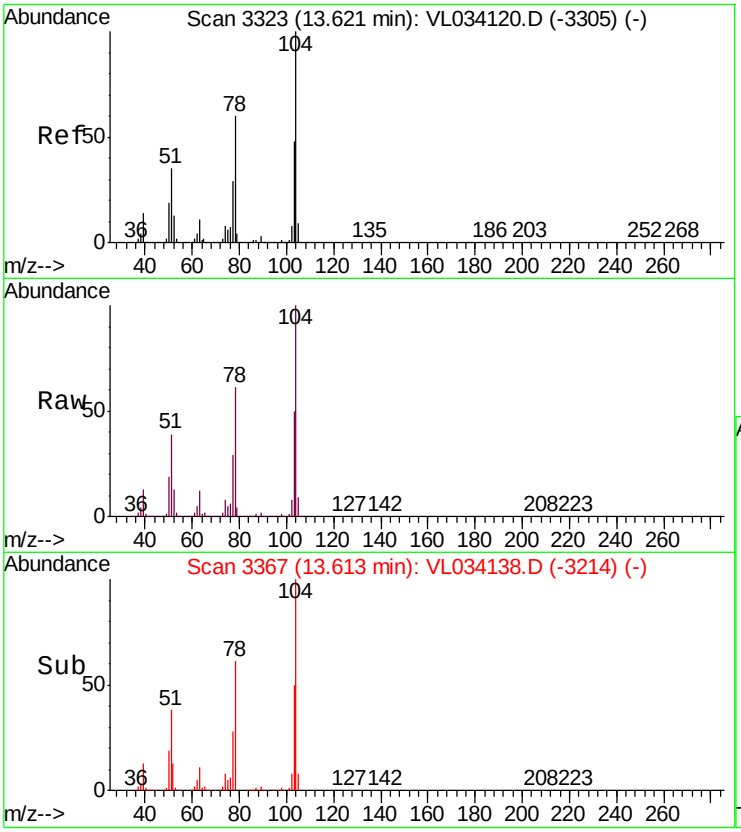


#60
o-Xylene
Concen: 7.264 ppbv
RT: 13.78 min Scan# 3419
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 91 Resp: 2319149

Ion	Ratio	Lower	Upper
91	100		
106	42.2	21.4	64.3



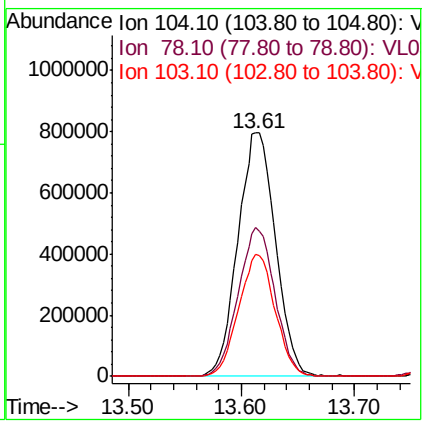


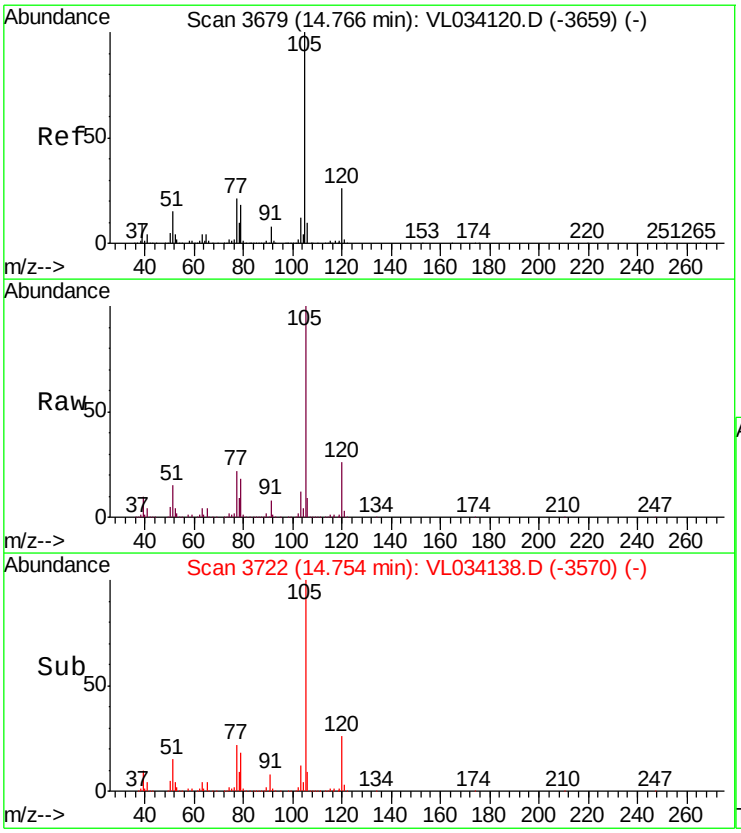
#61
Styrene
Concen: 7.715 ppbv
RT: 13.61 min Scan# 3367
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1842417

Ion	Ratio	Lower	Upper
104	100		
78	59.8	47.8	71.6
103	48.5	38.7	58.1

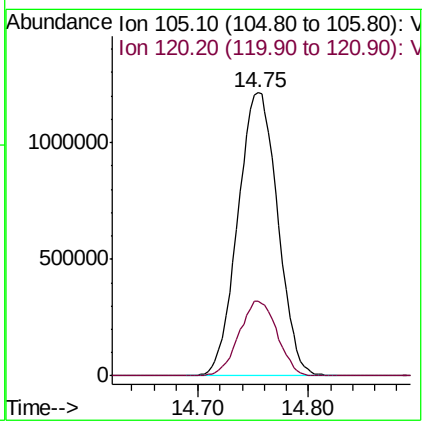


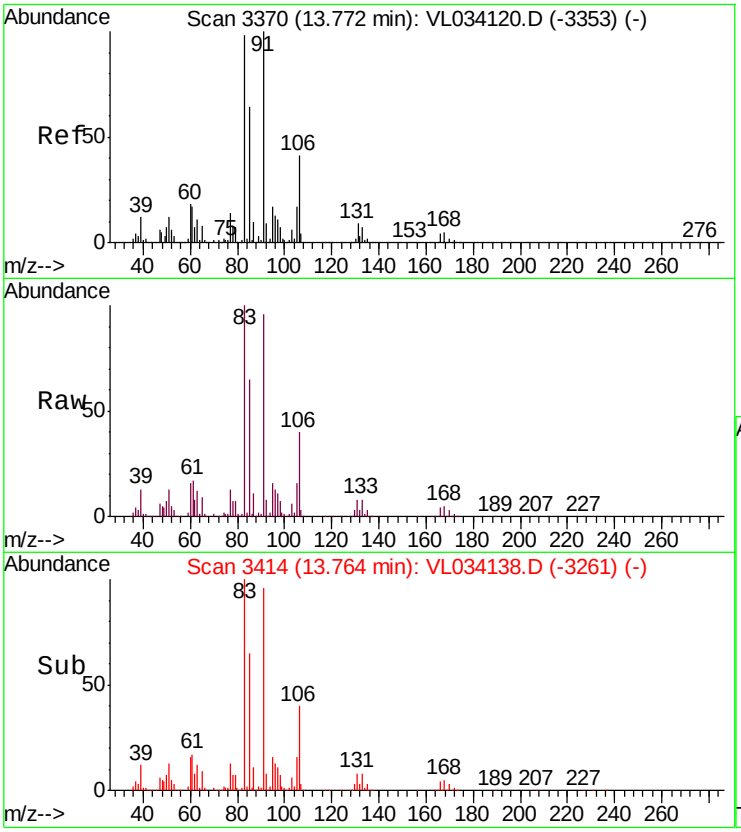


#62
Isopropylbenzene
Concen: 7.310 ppbv
RT: 14.75 min Scan# 3722
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:105 Resp: 3036621

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.6	31.0



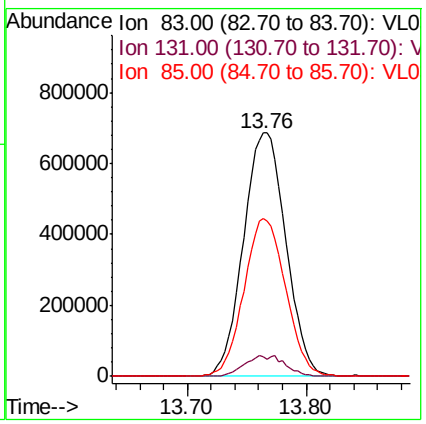


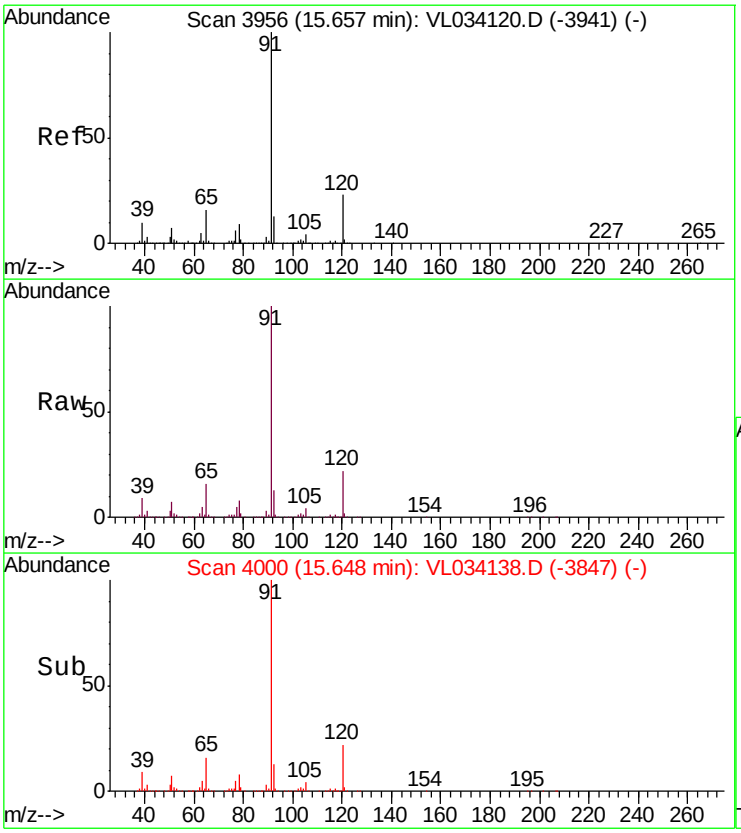
#63
1,1,2,2-Tetrachloroethane
Concen: 6.516 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 83 Resp: 1695235

Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.3	12.8
85	63.5	32.5	97.5

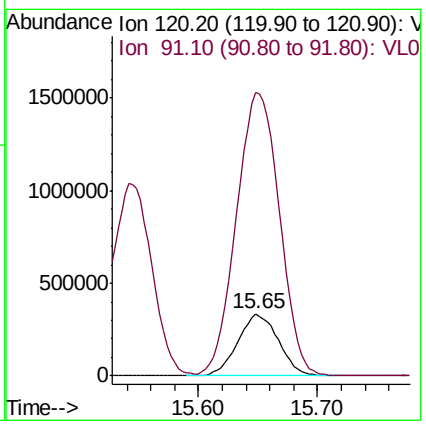


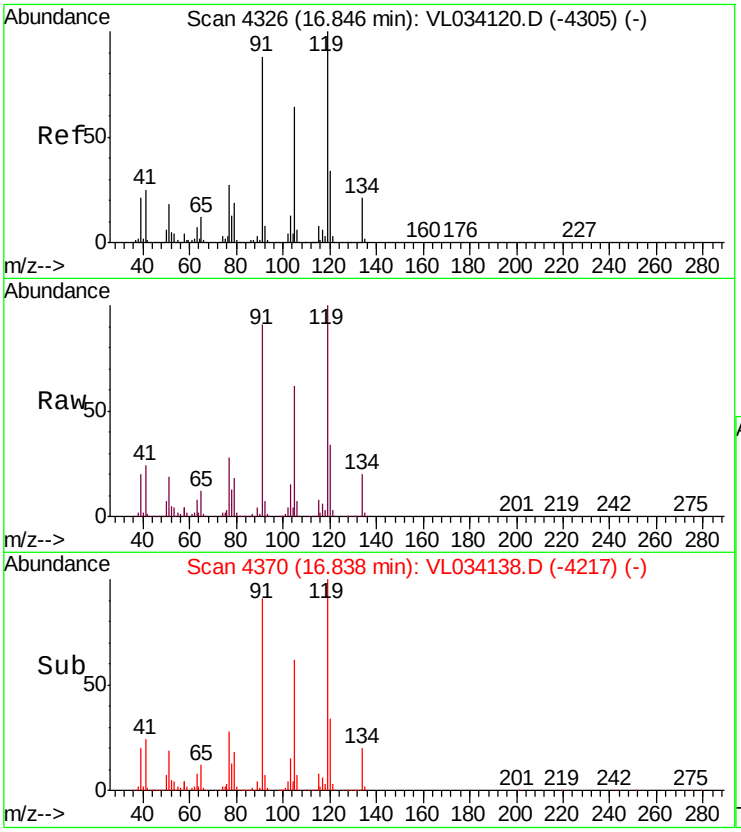


#64
n-propylbenzene
Concen: 7.576 ppbv
RT: 15.65 min Scan# 4000
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:120 Resp: 788330

Ion	Ratio	Lower	Upper
120	100		
91	486.1	376.8	565.2



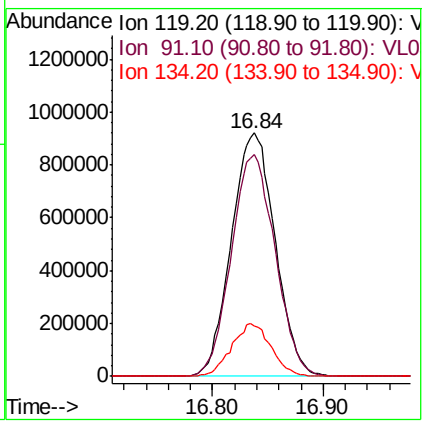


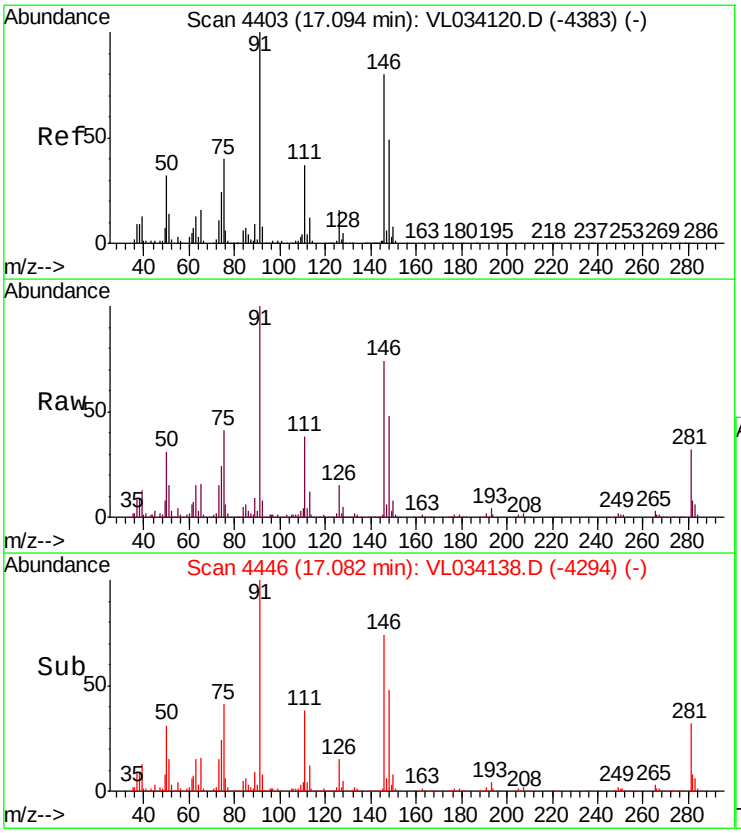
#65
tert-Butylbenzene
Concen: 7.040 ppbv
RT: 16.84 min Scan# 4370
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 2523929

Ion	Ratio	Lower	Upper
119	100		
91	91.8	72.8	109.2
134	19.6	15.8	23.8

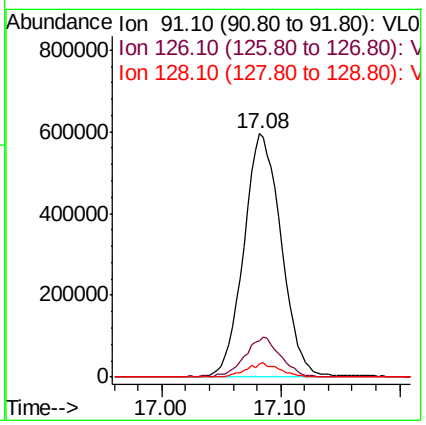


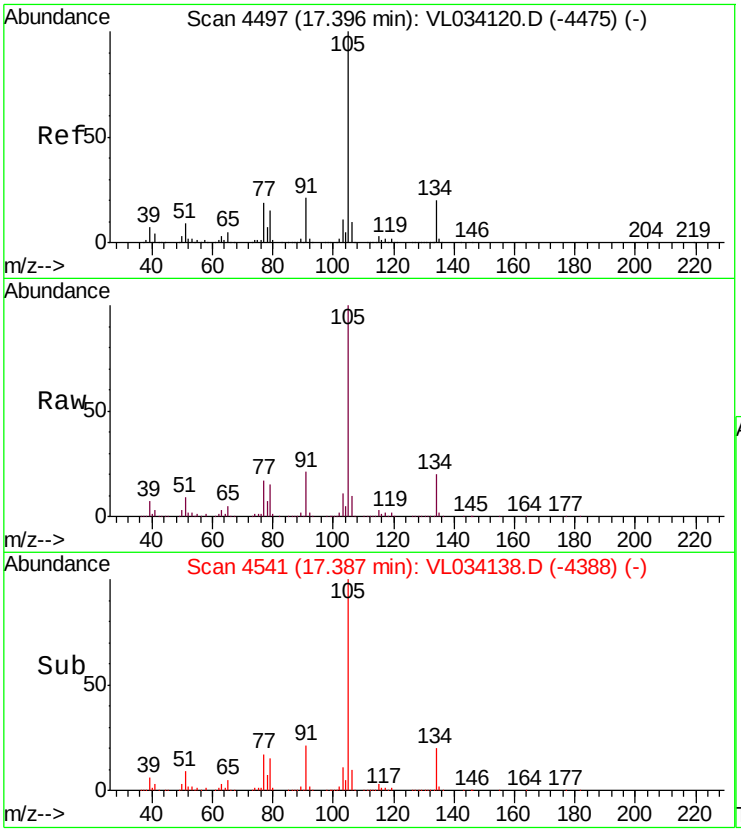


#66
Benzyl Chloride
Concen: 9.784 ppbv
RT: 17.08 min Scan# 4446
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 91 Resp: 1293205

Ion	Ratio	Lower	Upper
91	100		
126	16.0	13.7	20.5
128	5.2	4.2	6.4



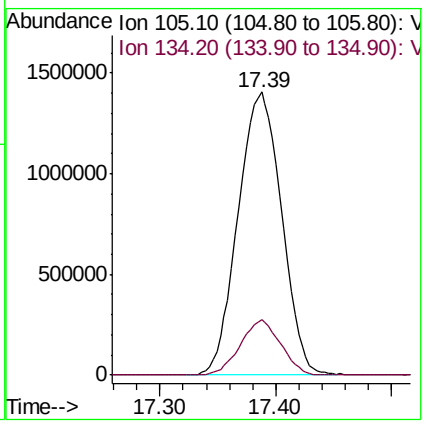


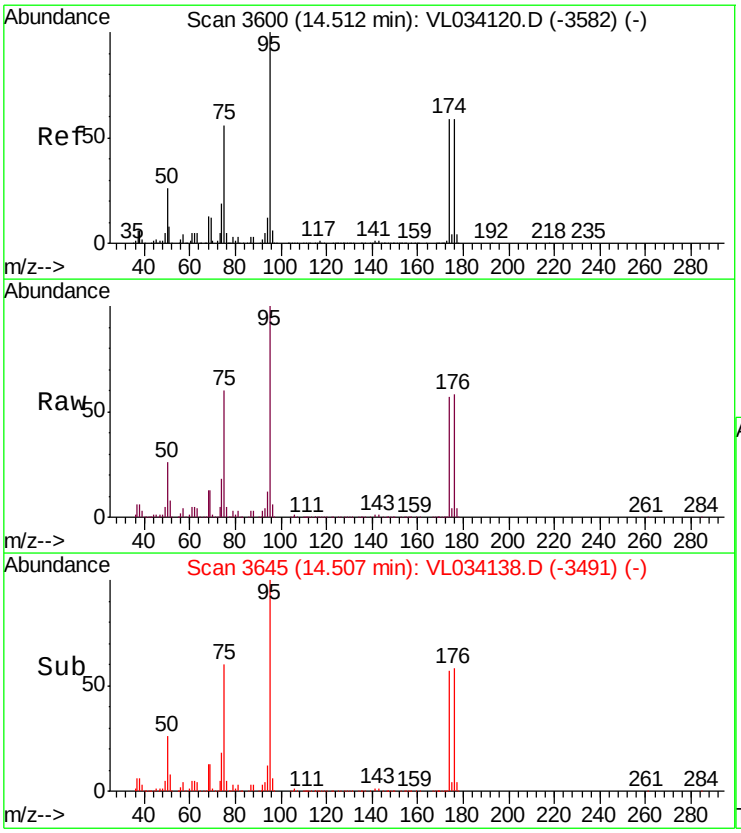
#67
sec-Butylbenzene
Concen: 7.119 ppbv
RT: 17.39 min Scan# 4541
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3669961

Ion	Ratio	Lower	Upper
105	100		
134	18.2	15.0	22.4

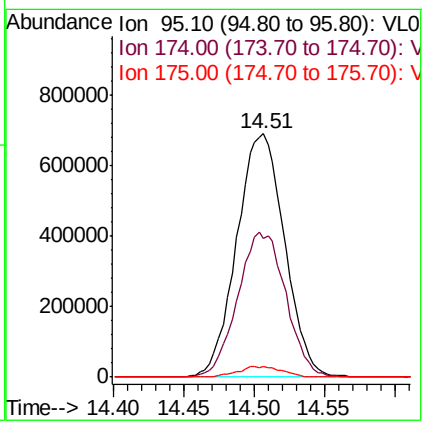


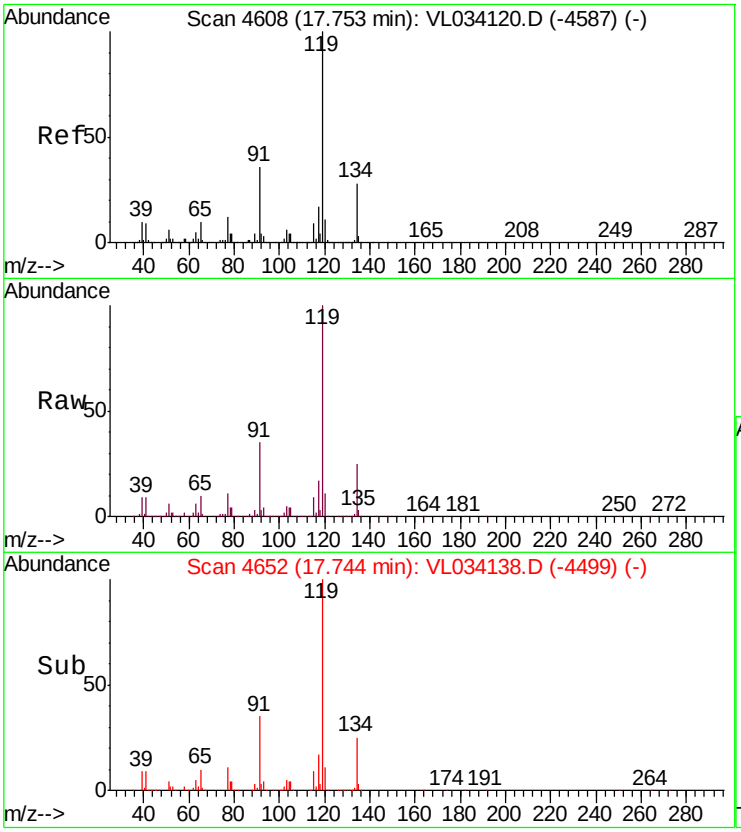


#68
1-Bromo-4-Fluorobenzene
Concen: 8.317 ppbv
RT: 14.51 min Scan# 3645
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 95 Resp: 1629176

Ion	Ratio	Lower	Upper
95	100		
174	60.0	48.1	72.1
175	4.2	3.5	5.3



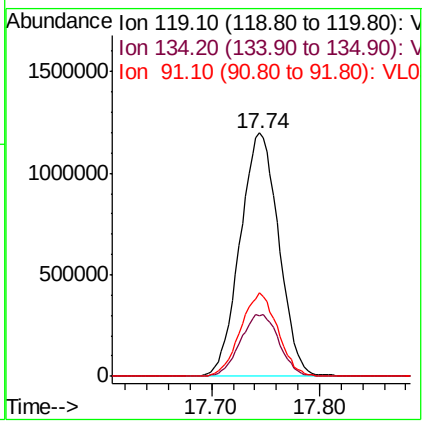


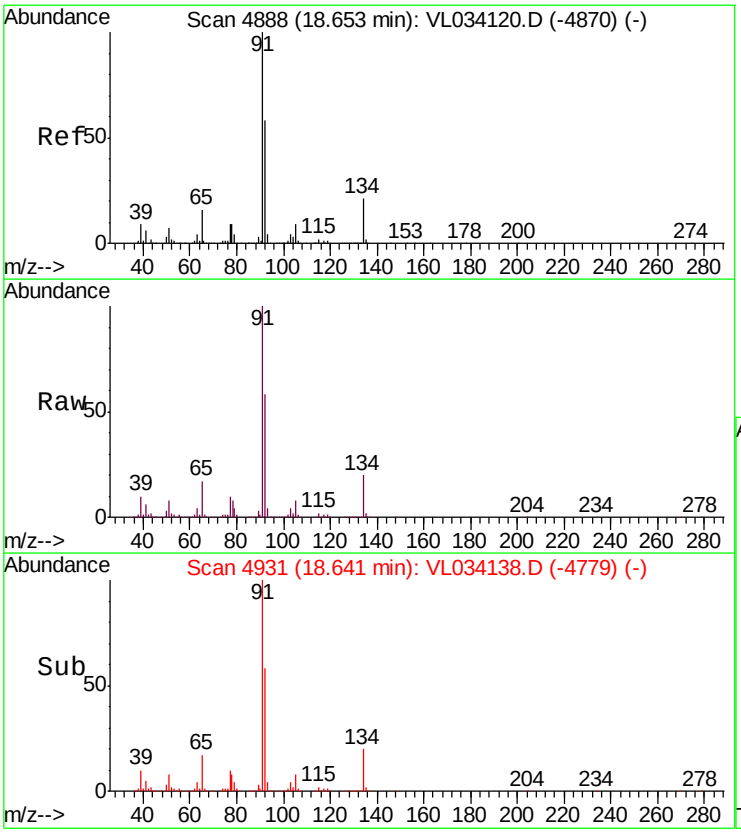
#69
p-Isopropyltoluene
Concen: 7.220 ppbv
RT: 17.74 min Scan# 4652
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 2977846

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.8	31.2
91	33.2	27.2	40.8

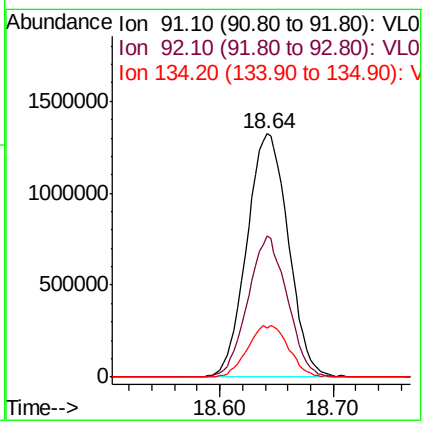


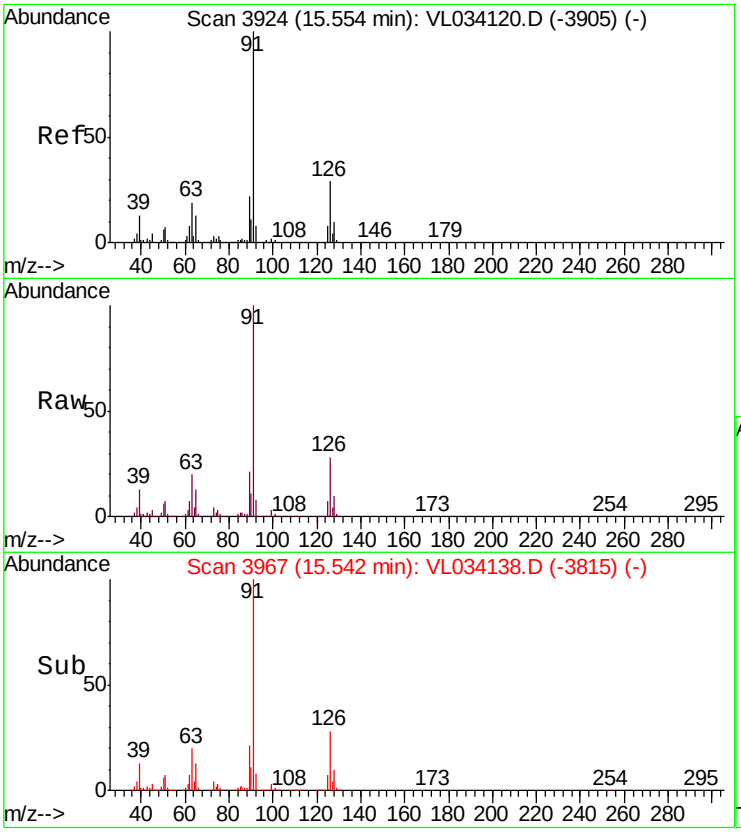


#70
n-Butylbenzene
Concen: 7.156 ppbv
RT: 18.64 min Scan# 4931
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion: 91 Resp: 3358405

Ion	Ratio	Lower	Upper
91	100		
92	55.2	45.3	67.9
134	21.1	17.4	26.0



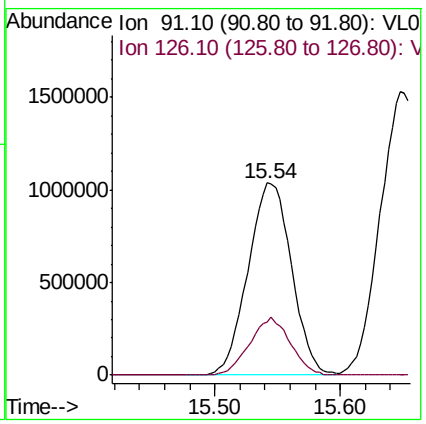


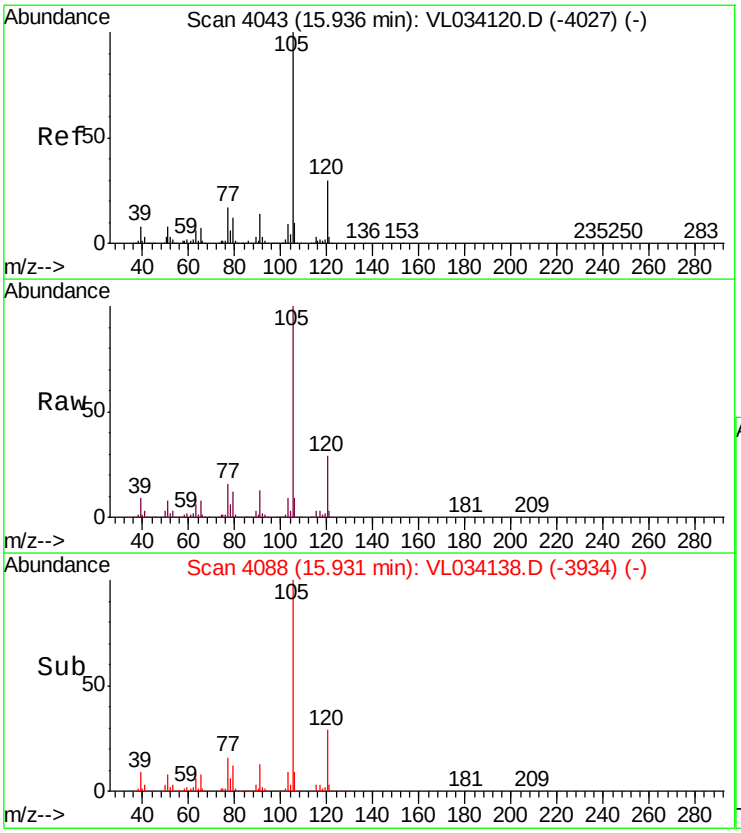
#71
2-Chlorotoluene
Concen: 7.387 ppbv
RT: 15.54 min Scan# 3967
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2506527

Ion	Ratio	Lower	Upper
91	100		
126	28.2	11.4	45.4

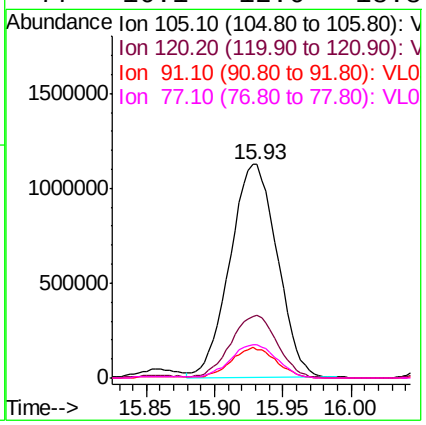


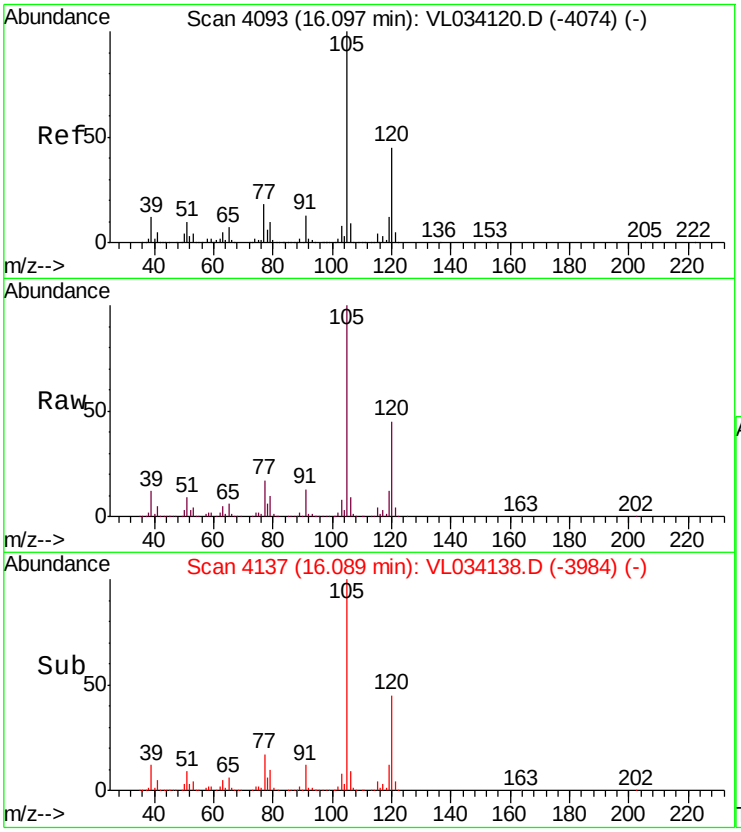


#72
4-Ethyltoluene
Concen: 7.528 ppbv
RT: 15.93 min Scan# 4088
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:105 Resp: 2711654

Ion	Ratio	Lower	Upper
105	100		
120	28.8	23.8	35.6
91	13.5	11.4	17.0
77	16.1	12.6	18.8



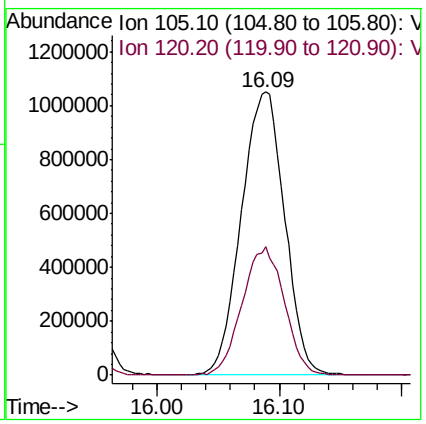


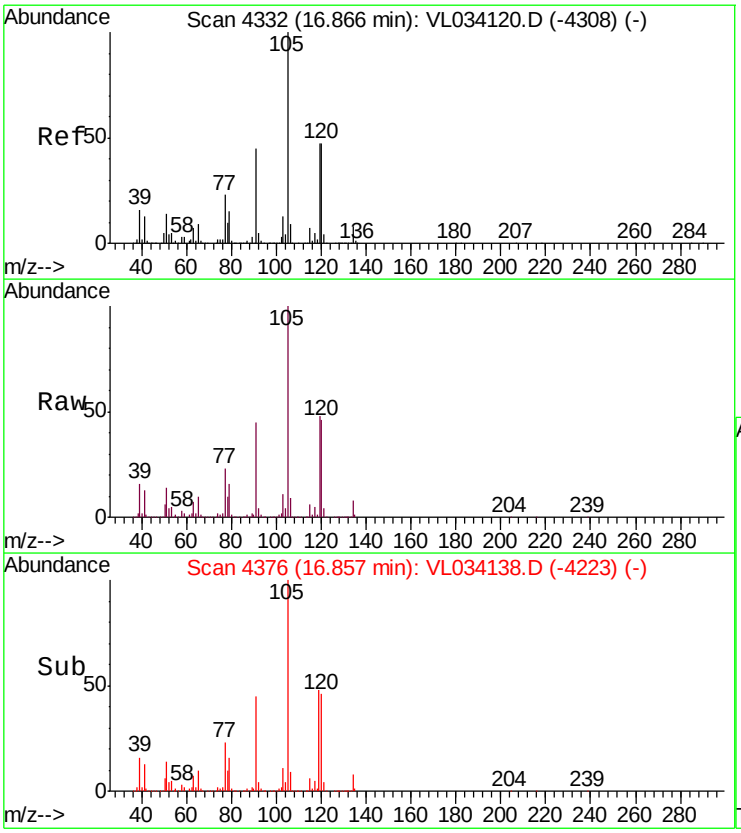
#73
1,3,5-Trimethylbenzene
Concen: 7.328 ppbv
RT: 16.09 min Scan# 4137
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2565392

Ion	Ratio	Lower	Upper
105	100		
120	45.4	35.8	53.8

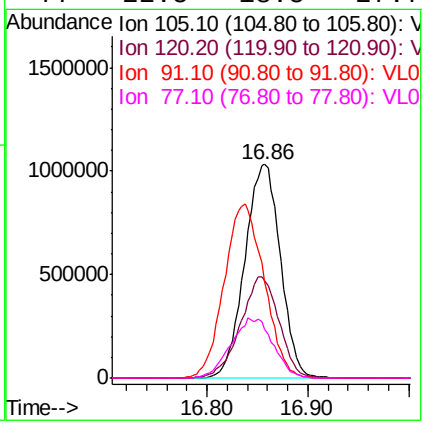


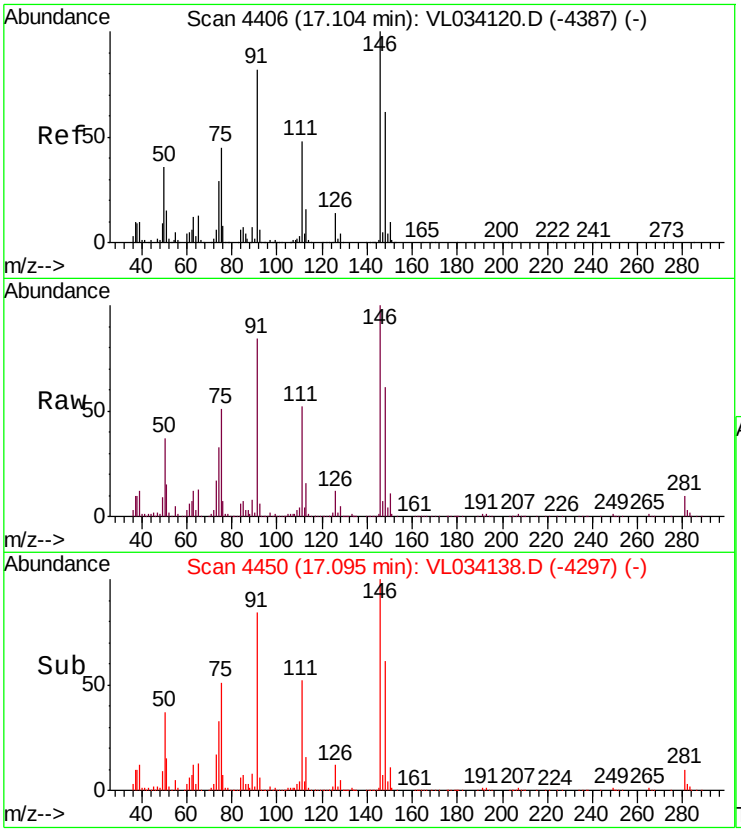


#74
1,2,4-Trimethylbenzene
Concen: 7.003 ppbv
RT: 16.86 min Scan# 4376
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:105 Resp: 2524322

Ion	Ratio	Lower	Upper
105	100		
120	45.9	37.7	56.5
91	44.7	36.2	54.2
77	22.5	18.5	27.7



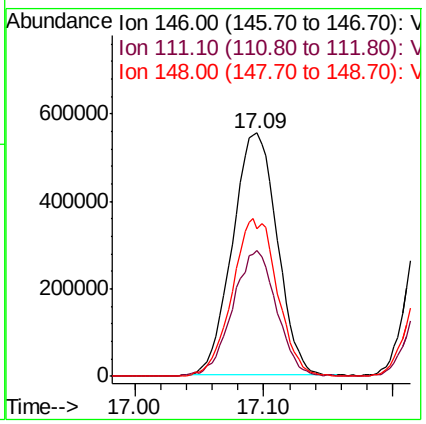


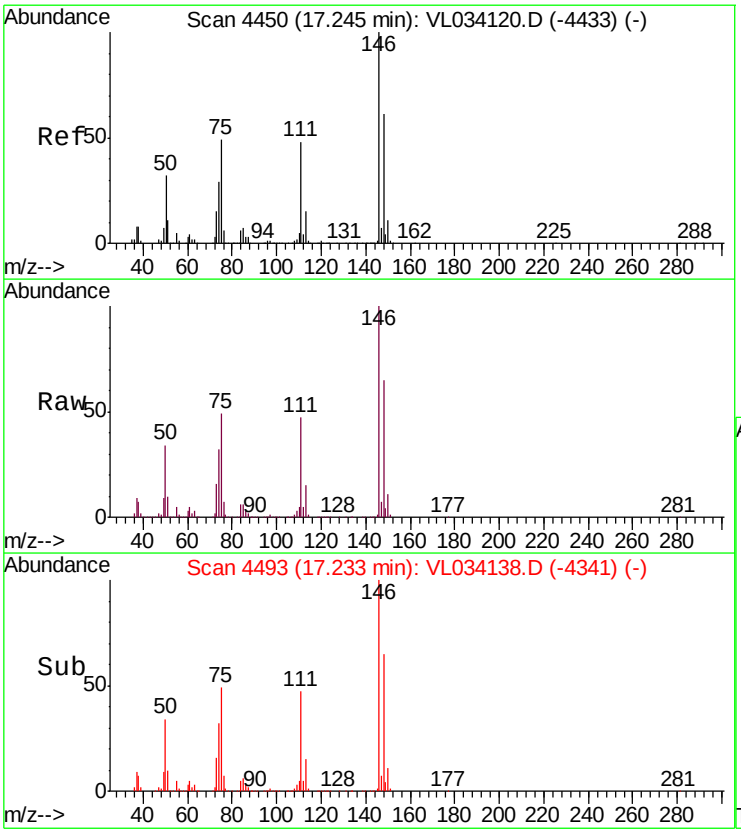
#75
1,3-Dichlorobenzene
Concen: 7.002 ppbv
RT: 17.09 min Scan# 4450
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1337356

Ion	Ratio	Lower	Upper
146	100		
111	51.2	24.9	74.7
148	65.9	32.5	97.5

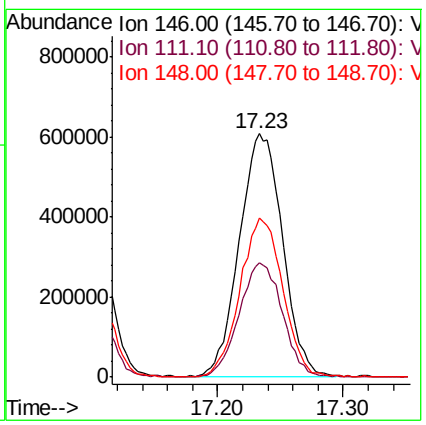


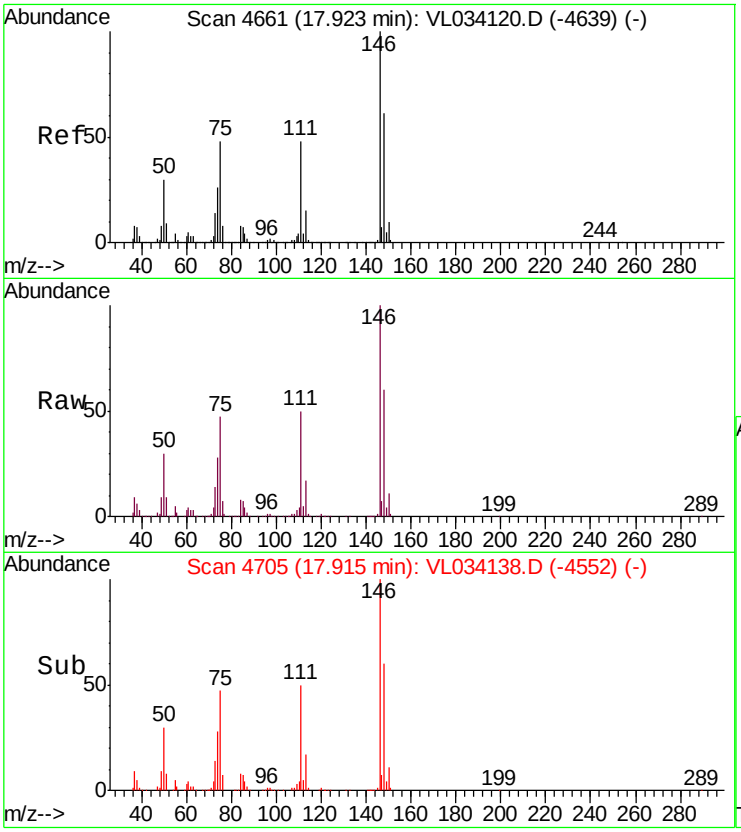


#76
1,4-Dichlorobenzene
Concen: 7.234 ppbv
RT: 17.23 min Scan# 4493
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:146 Resp: 1448246

Ion	Ratio	Lower	Upper
146	100		
111	47.4	24.3	72.8
148	65.3	32.6	98.0



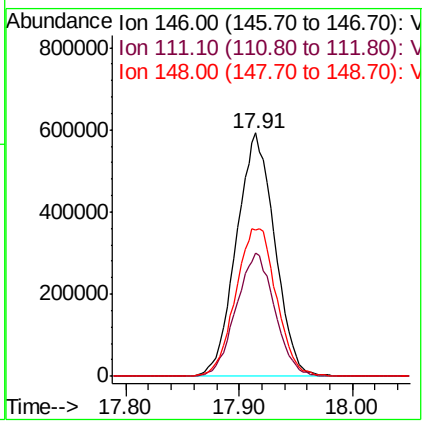


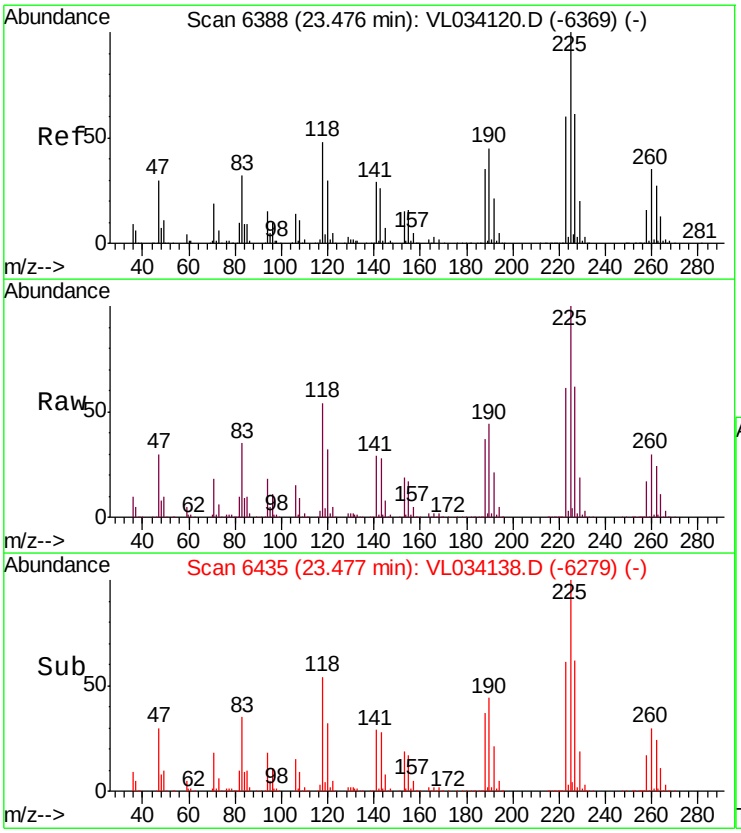
#77
1,2-Dichlorobenzene
Concen: 7.132 ppbv
RT: 17.91 min Scan# 4705
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1394571

Ion	Ratio	Lower	Upper
146	100		
111	50.9	25.1	75.4
148	64.6	32.0	96.2

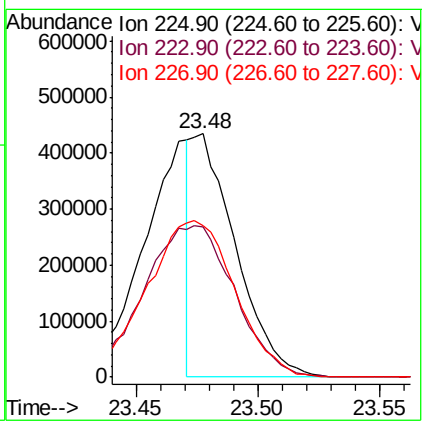


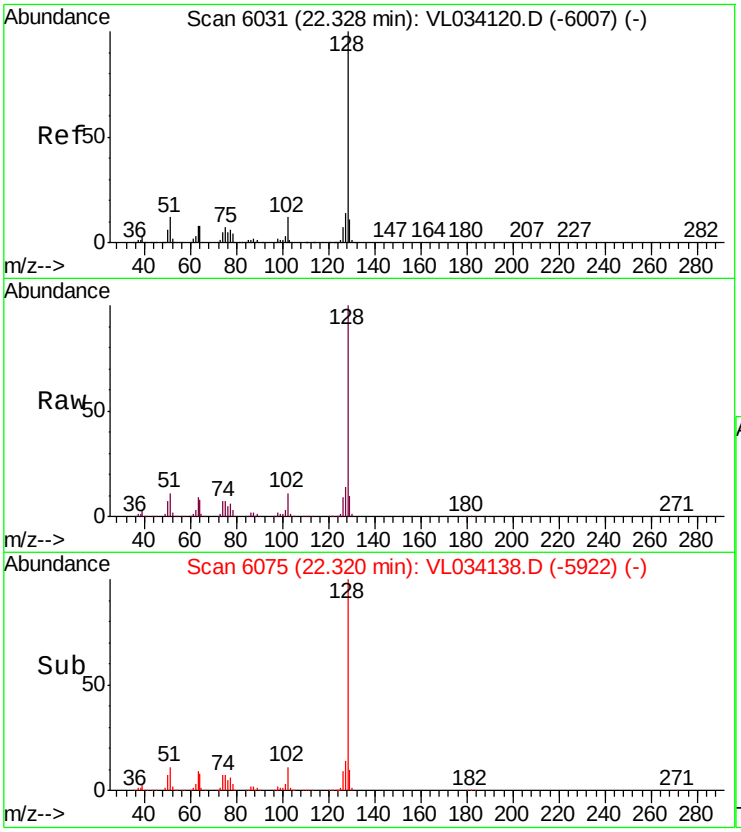


#78
Hexachloro-1,3-Butadiene
Concen: 4.027 ppbv
RT: 23.48 min Scan# 6435
Delta R.T. 0.00 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:225 Resp: 537219

Ion	Ratio	Lower	Upper
225	100		
223	131.6	50.3	75.5#
227	132.6	50.9	76.3#



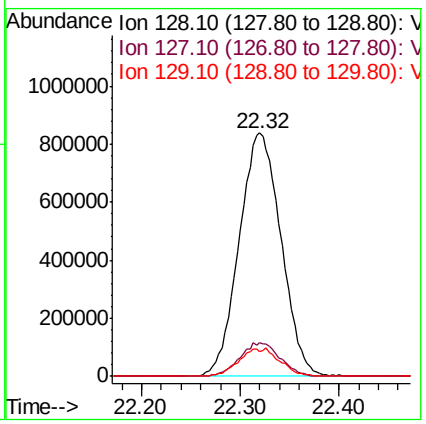


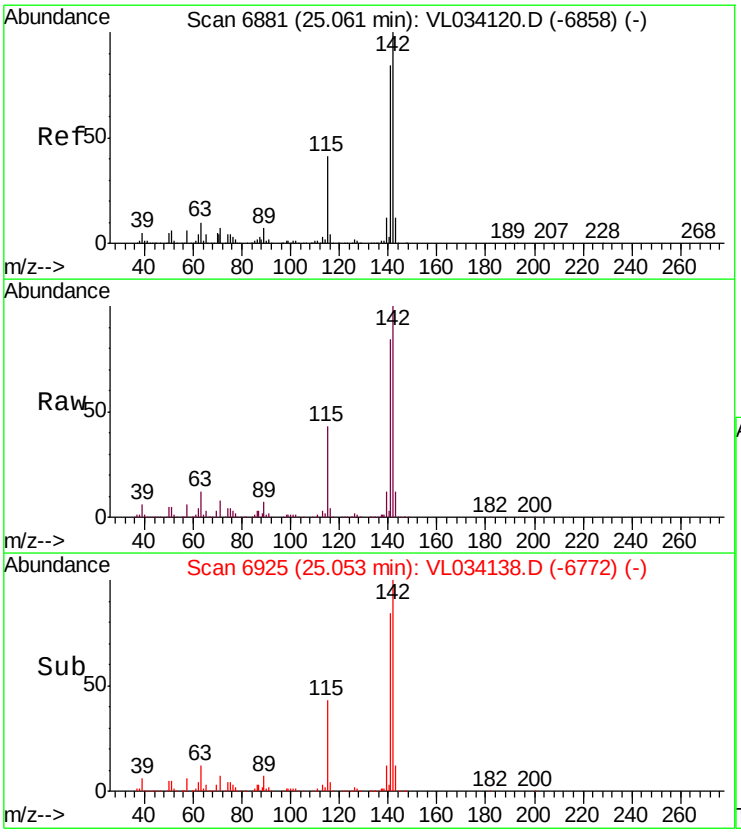
#79
Naphthalene
Concen: 7.540 ppbv
RT: 22.32 min Scan# 6075
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2457280

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.9	16.3
129	10.1	8.5	12.7

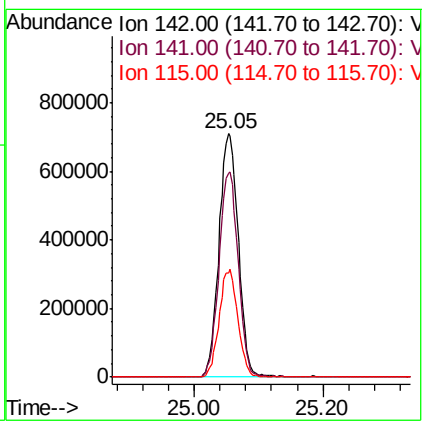


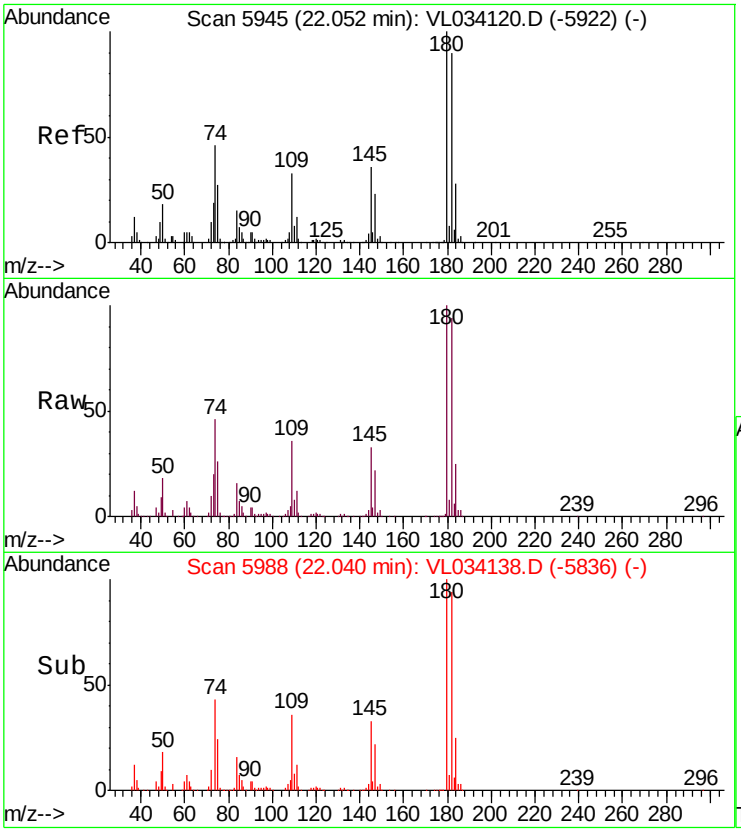


#80
Naphthalene,2-methyl-
Concen: 13.114 ppbv
RT: 25.05 min Scan# 6925
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Tgt Ion:142 Resp: 1483548

Ion	Ratio	Lower	Upper
142	100		
141	84.0	67.6	101.4
115	42.8	34.6	52.0





#81
1,2,4-Trichlorobenzene
Concen: 3.231 ppbv
RT: 22.04 min Scan# 5988
Delta R.T. -0.01 min
Lab File: VL034138.D
Acq: 10 Sep 2019 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 572955

Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.0	115.4#
184	0.0	25.5	38.3#