Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101619\

Quantitation Report (Not Reviewed)

Data File : VL034314.D
Acq On : 17 Oct 2019 9:34
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Oct 17 14:44:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1117928	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	2171847	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2439906	10.00	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1971962	9.54	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1303791	6.765	ppbv	100
3) Chlorodifluoromethane	2.97	51	1246391	9.512	ppbv	99
4) Chloromethane	3.13	50	738845	9.533	ppbv	96
5) Vinyl Chloride	3.25	62	691991	9.363	ppbv	100
6) Bromomethane	3.47	94	364275	10.066	ppbv	98
7) Chloroethane	3.55	64	255093	9.807	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1560821	9.346	ppbv	99
9) Propene	2.99	41	553767	9.534	ppbv	97
10) Heptane	8.18	43	1545307	10.365	ppbv	99
11) Trichlorofluoromethane	3.95	101	1762359	9.631	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1181750	9.858	ppbv	99
13) Ethanol	3.60	45	133258	10.247	ppbv	96
14) Bromoethene	3.74	108	481822	10.208	ppbv	97
15) Acetone	3.85	43	1340165	8.381	ppbv	100
16) 1,3-Butadiene	3.32	39	646163	9.945	ppbv	99
17) tert-Butyl alcohol	4.30	59	1195269	11.712	ppbv	99
18) 1,1-Dichloroethene	4.29	96	526718	10.035	ppbv	95
19) Isopropyl Alcohol	3.97	45	1029703	11.543	ppbv	100
20) Methylene Chloride	4.35	84	470566	8.140	ppbv	94
21) Allyl Chloride	4.42	41	922946	10.441	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	541778	10.348	ppbv	91
23) Vinyl Acetate	5.10	43	2040916	10.220	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1435434	9.685	ppbv	99
25) Ethyl Acetate	5.71	43	2604281	9.647	ppbv	99
26) Hexane	5.72	57	1135820	9.871	ppbv	97
27) Carbon Disulfide	4.56	76	1376805	11.526	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1741776	10.002	ppbv	99
29) Chloroform	5.79	83	1770049	9.725	ppbv	98
30) Cyclohexane	7.18	84	865747	10.231	ppbv	99
31) cis-1,2-Dichloroethene	5.58	61	1193866	10.224	ppbv	97
32) 1,1,1-Trichloroethane	6.56	97	1739392	9.827	ppbv	99
34) 2-Butanone	5.27	43	1734839	9.773	ppbv	100
35) Carbon Tetrachloride	7.06	117	1858229	9.823	ppbv	99
36) Benzene	6.94	78	2058696	9.879	ppbv	99
37) 1,2-Dichloroethane	6.35	62	1513471	9.745	ppbv	100
38) Trichloroethene	7.89	130	815781	9.756	ppbv	96
39) 1,2-Dichloropropane	7.67	63	874952	9.751	ppbv	96
40) 1,4-Dioxane	7.88	88	333854	10.588	ppbv	98
41) Tetrahydrofuran	6.08	42	986532	10.014	ppbv	98
42) Bromodichloromethane	7.85	83	1946206	10.231	ppbv	100
43) Methyl Methacrylate	8.07	69	914866	10.615	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101619\

Quantitation Report (Not Reviewed)

Data File : VL034314.D
Acq On : 17 Oct 2019 9:34
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Oct 17 14:44:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3746832	9.715	ppbv		99
45) t-1,3-Dichloropropene	9.35	75	1225288	11.669	ppbv		99
46) cis-1,3-Dichloropropene	8.76	75	1369503	11.352	ppbv		98
47) 1,1,2-Trichloroethane	9.54	97	874210	9.619	ppbv		98
48) Dibromochloromethane	10.37	129	1608272	10.787	ppbv		100
49) Bromoform	13.13	173	1445495	10.942	ppbv		100
50) 4-Methyl-2-Pentanone	8.80	43	2599378	10.228	ppbv		99
51) 2-Hexanone	10.20	43	2193265	10.528	ppbv		100
52) Tetrachloroethene	11.30	164	448380	5.489	ppbv		97
53) Toluene	9.87	91	2370414	10.308	ppbv		98
54) 1,2-Dibromoethane	10.68	107	1357134	10.075	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.21	131	1062342	9.448	ppbv		98
57) Chlorobenzene	12.22	112	1838330	9.031	ppbv		100
58) Ethyl Benzene	12.79	91	3294954	9.661	ppbv		96
59) m/p-Xylene	13.08	91	2755560	9.325	ppbv	#	31
60) o-Xylene	13.78	91	2764454	9.394	ppbv		100
61) Styrene	13.61	104	2069789	9.991	ppbv		99
62) Isopropylbenzene	14.75	105	3573389	9.199	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.77	83	1913023	8.090	ppbv		99
64) n-propylbenzene	15.65	120	946670	9.496	ppbv		98
65) tert-Butylbenzene	16.84	119	3130067	9.091	ppbv		99
66) Benzyl Chloride	17.09	91	1489216	10.952	ppbv		100
67) sec-Butylbenzene	17.38	105	4366669	9.013	ppbv		99
69) p-Isopropyltoluene	17.74	119	3626480	9.181	ppbv		99
70) n-Butylbenzene	18.64	91	3872969	9.012	ppbv		99
71) 2-Chlorotoluene	15.55	91	2836636	9.418	ppbv		100
72) 4-Ethyltoluene	15.93	105	3105400	9.388	ppbv		99
73) 1,3,5-Trimethylbenzene	16.09	105	3040494	9.277	ppbv		96
74) 1,2,4-Trimethylbenzene	16.85	105	3103087	9.079	ppbv		96
75) 1,3-Dichlorobenzene	17.09	146	1770936	8.630	ppbv		100
76) 1,4-Dichlorobenzene	17.23	146	1775471	8.858	ppbv		100
77) 1,2-Dichlorobenzene	17.92	146	1691354	8.407	ppbv		99
78) Hexachloro-1,3-Butadiene	23.48	225	1601011	9.620	ppbv		99
79) Naphthalene	22.33	128	3005873	12.040	ppbv		99
80) Naphthalene,2-methyl-	25.06	142	1600397	22.176	ppbv		95
81) 1,2,4-Trichlorobenzene	22.05	180	1742589	10.686	ppbv		99

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

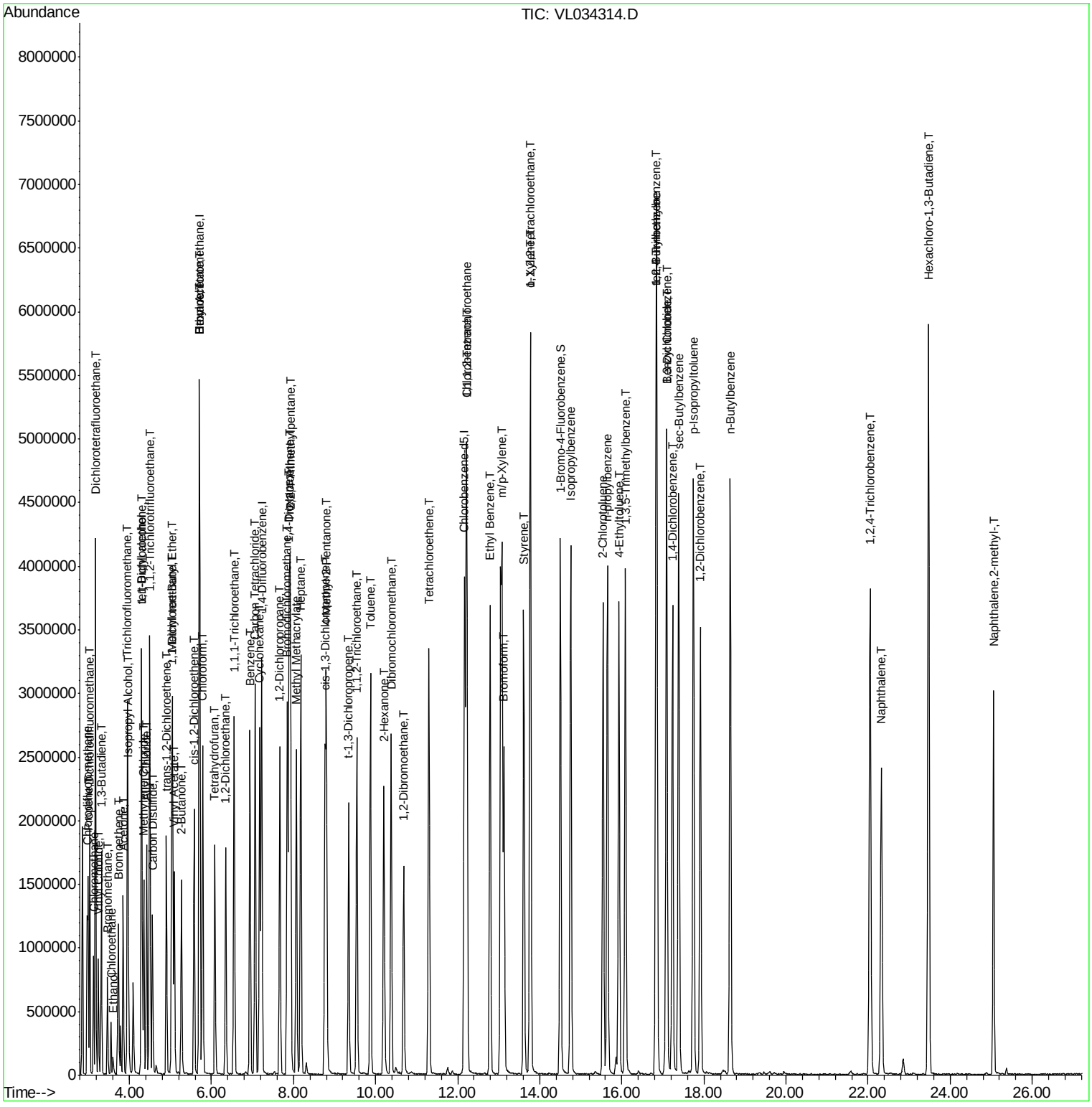
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101619\

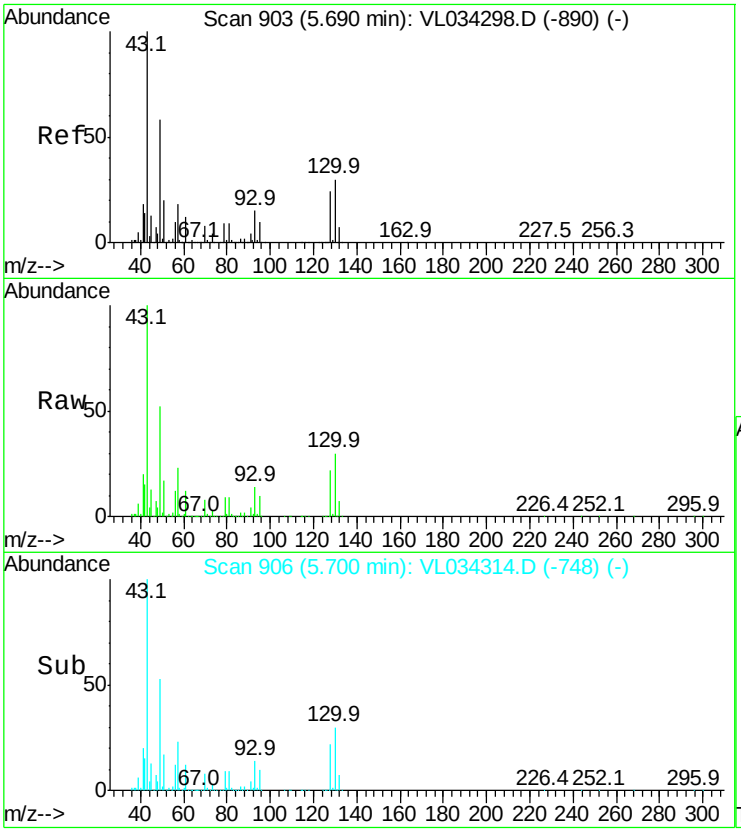
Quantitation Report (Not Reviewed)

Data File : VL034314.D
Acq On : 17 Oct 2019 9:34
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Oct 17 14:44:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration



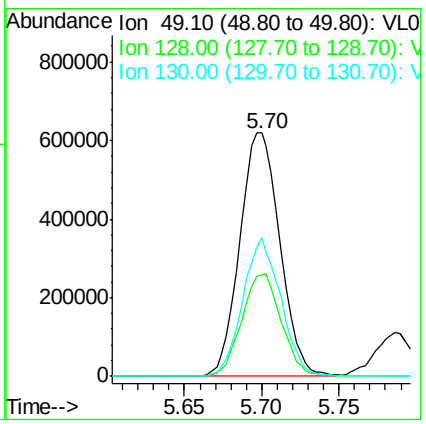


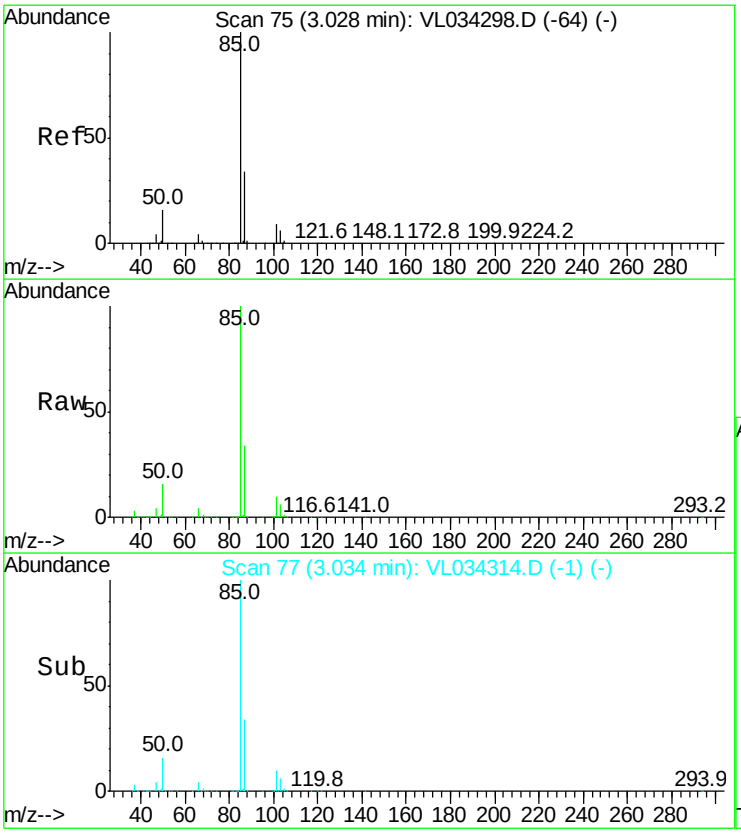
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 1117928

Ion	Ratio	Lower	Upper
49	100		
128	41.7	20.6	61.8
130	53.8	26.2	78.5

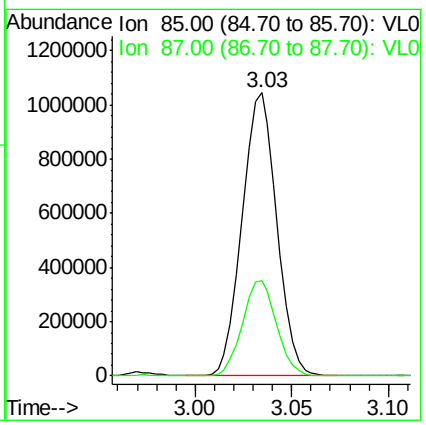


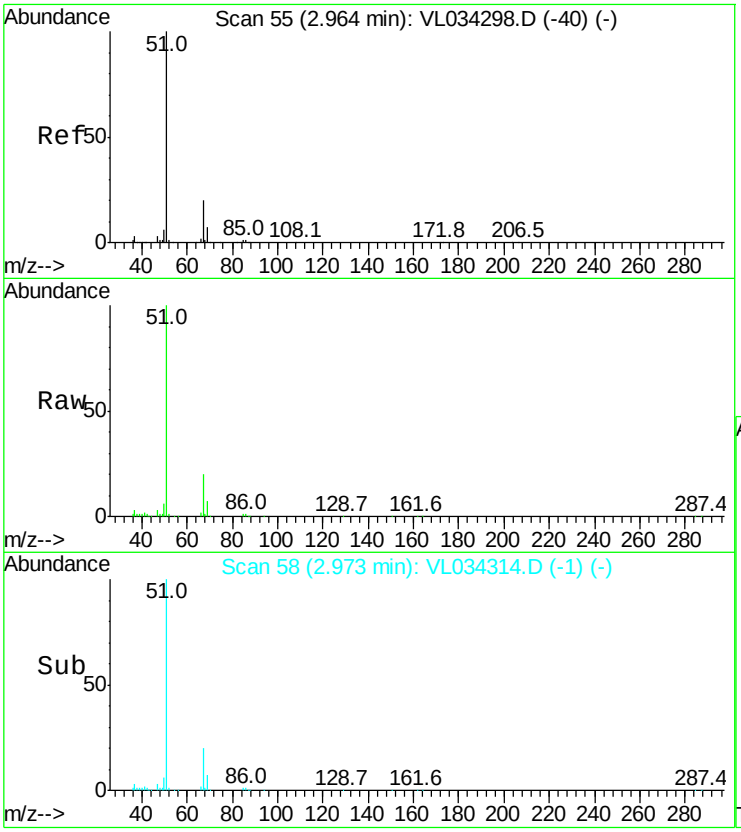


#2
Dichlorodifluoromethane
Concen: 6.765 ppbv
RT: 3.03 min Scan# 77
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 85 Resp: 1303791

Ion	Ratio	Lower	Upper
85	100		
87	33.7	27.0	40.6



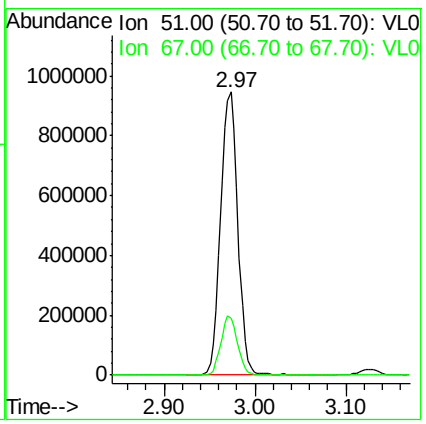


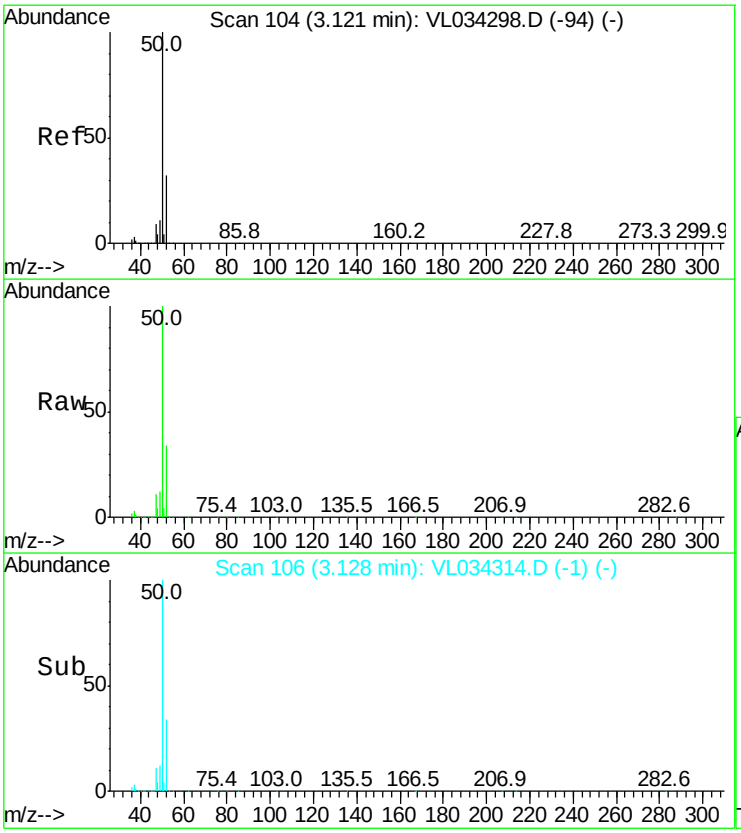
#3
Chlorodifluoromethane
Concen: 9.512 ppbv
RT: 2.97 min Scan# 58
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 1246391

Ion	Ratio	Lower	Upper
51	100		
67	20.2	15.8	23.8

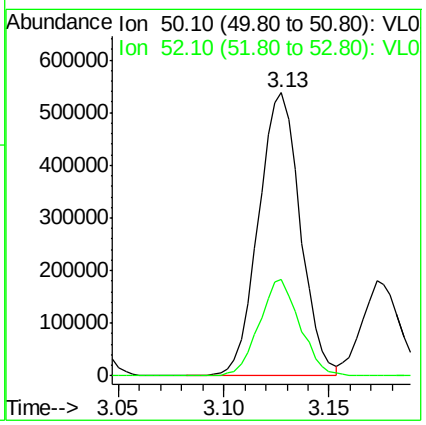


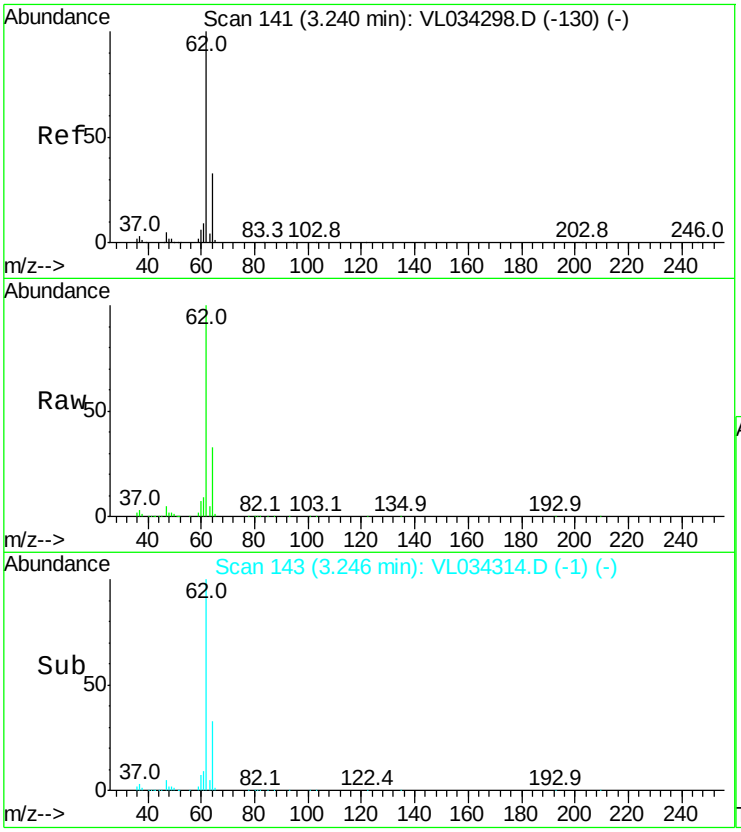


#4
Chloromethane
Concen: 9.533 ppbv
RT: 3.13 min Scan# 106
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 50 Resp: 738845

Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.4	38.2



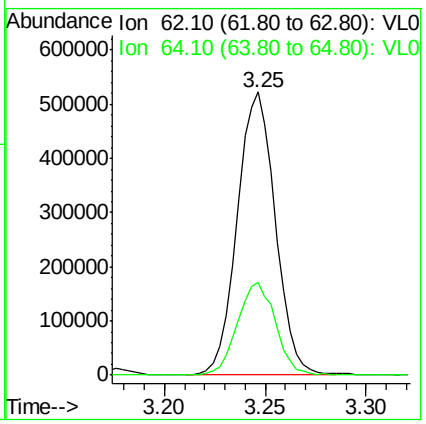


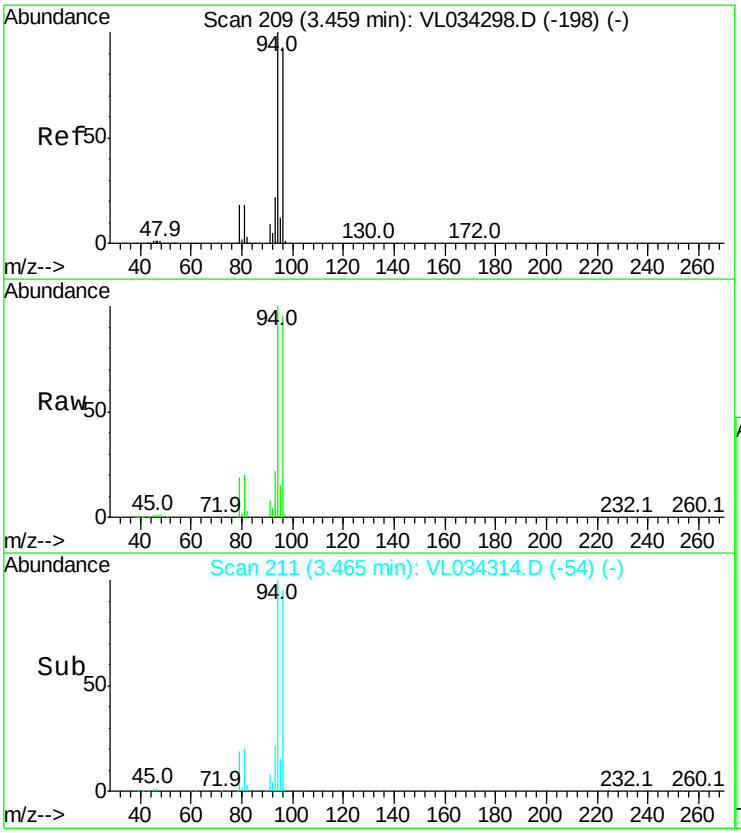
#5
Vinyl Chloride
Concen: 9.363 ppbv
RT: 3.25 min Scan# 143
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 691991

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.0	39.0

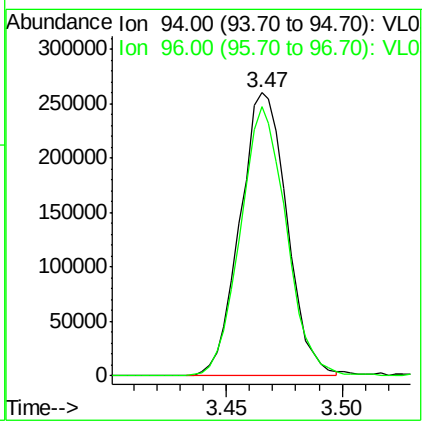


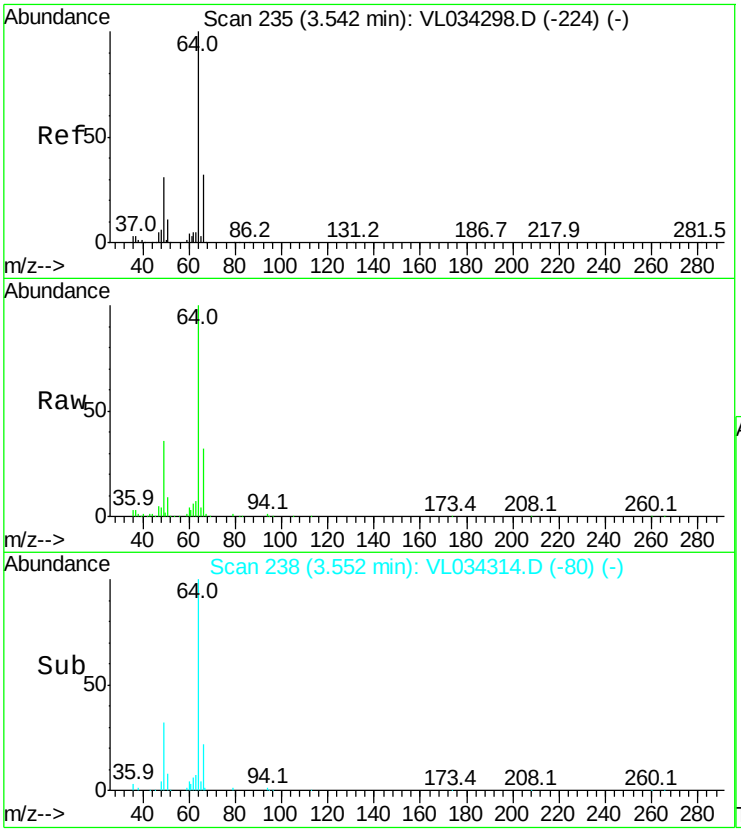


#6
Bromomethane
Concen: 10.066 ppbv
RT: 3.47 min Scan# 211
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 94 Resp: 364275

Ion	Ratio	Lower	Upper
94	100		
96	95.2	74.6	112.0



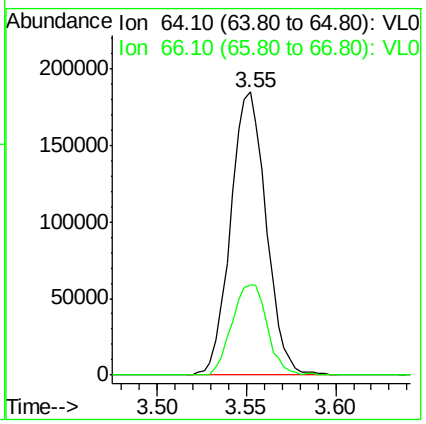


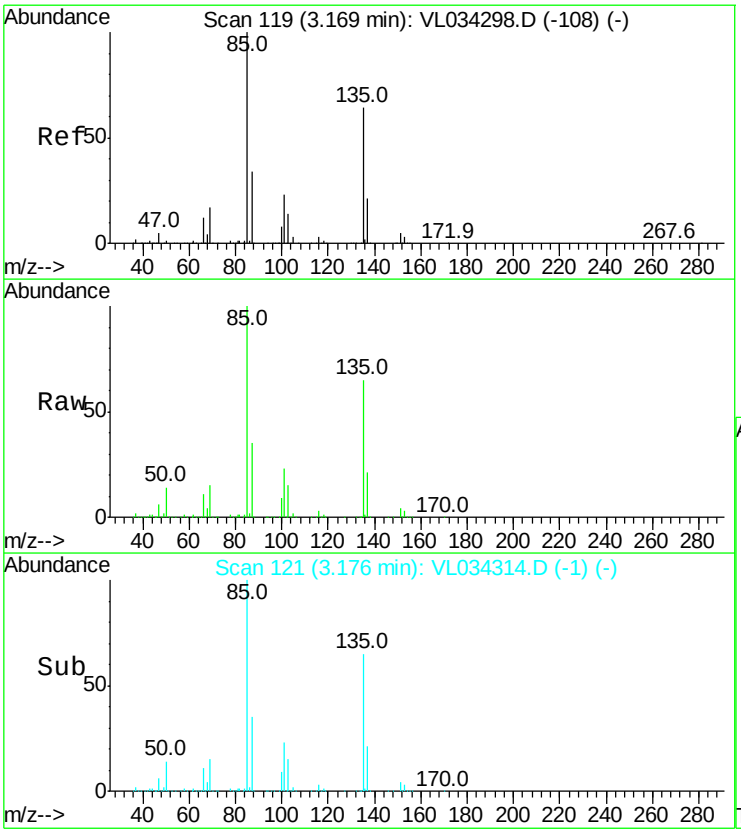
#7
Chloroethane
Concen: 9.807 ppbv
RT: 3.55 min Scan# 238
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 255093

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.4	38.0

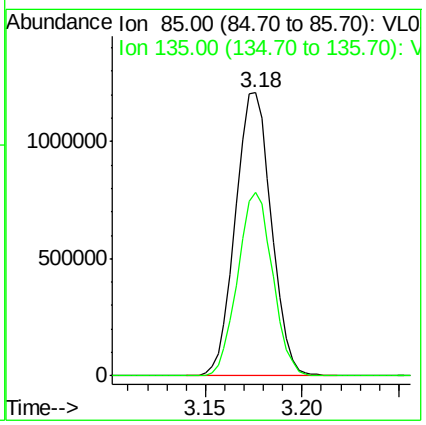


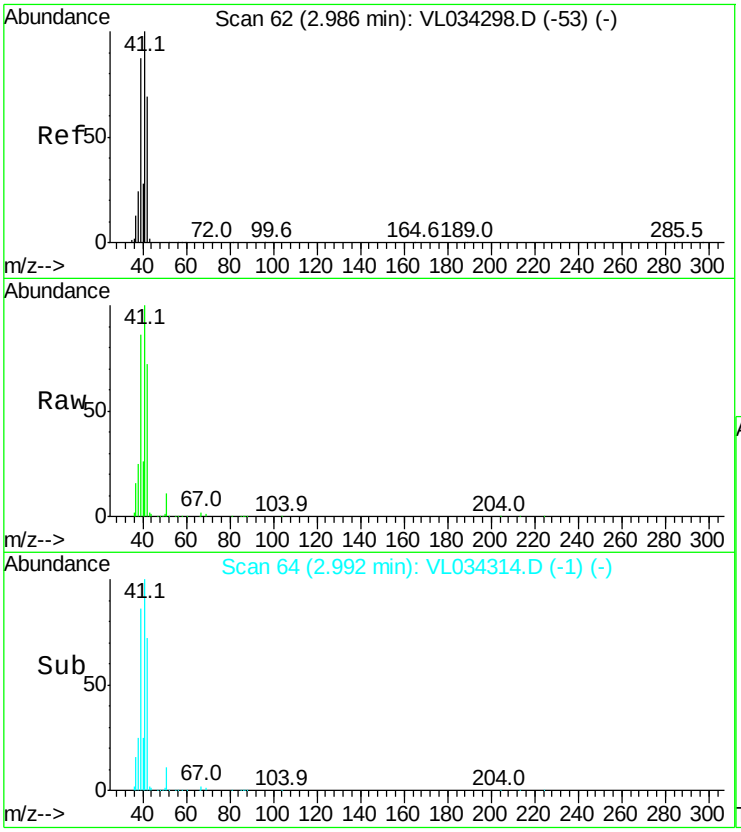


#8
Dichlorotetrafluoroethane
Concen: 9.346 ppbv
RT: 3.18 min Scan# 121
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 85 Resp: 1560821

Ion	Ratio	Lower	Upper
85	100		
135	63.1	50.2	75.2



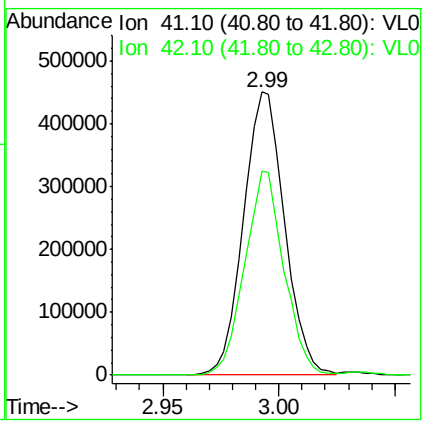


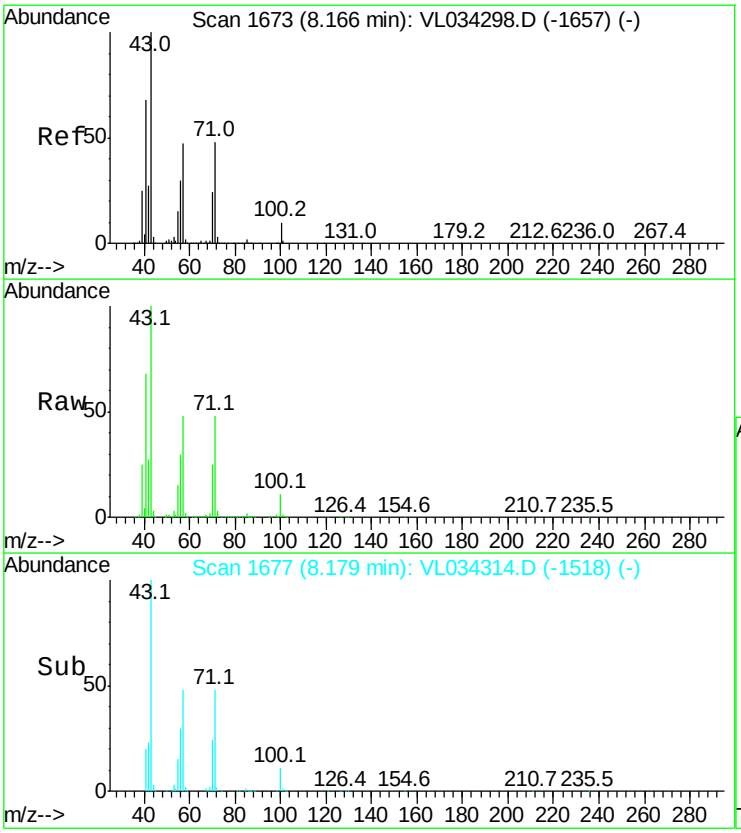
#9
Propene
Concen: 9.534 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 553767

Ion	Ratio	Lower	Upper
41	100		
42	69.7	53.9	80.9

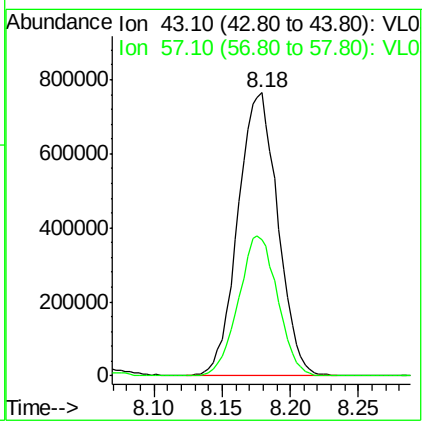


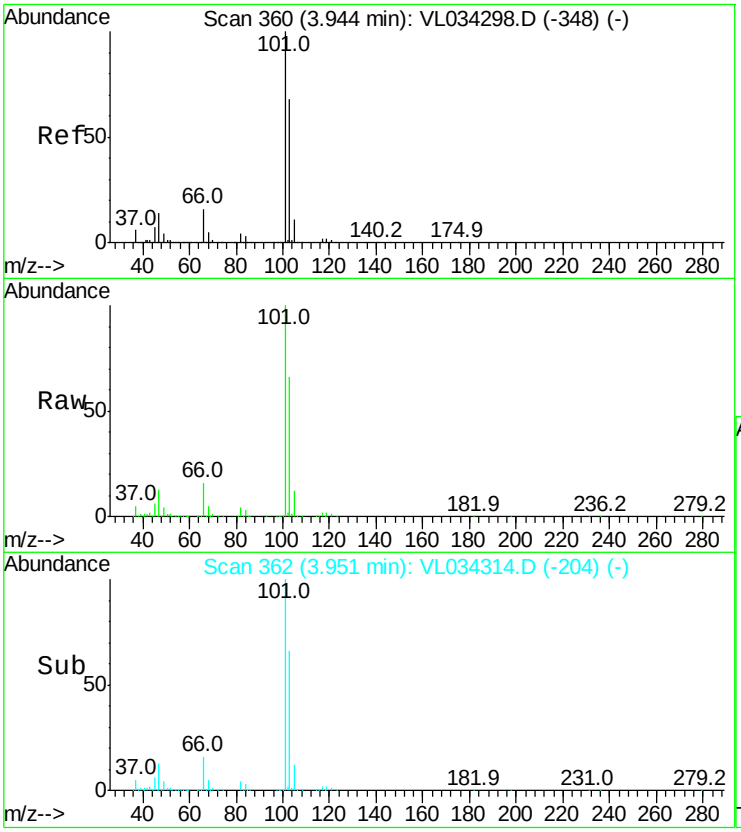


#10
Heptane
Concen: 10.365 ppbv
RT: 8.18 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 43 Resp: 1545307

Ion	Ratio	Lower	Upper
43	100		
57	48.8	39.5	59.3



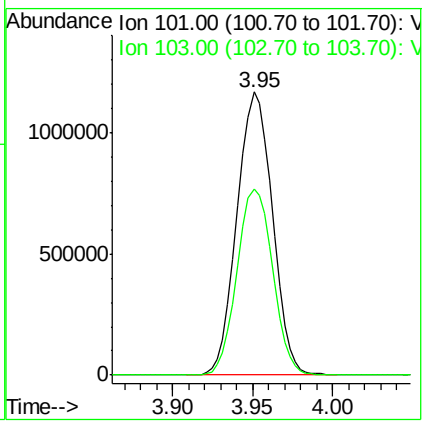


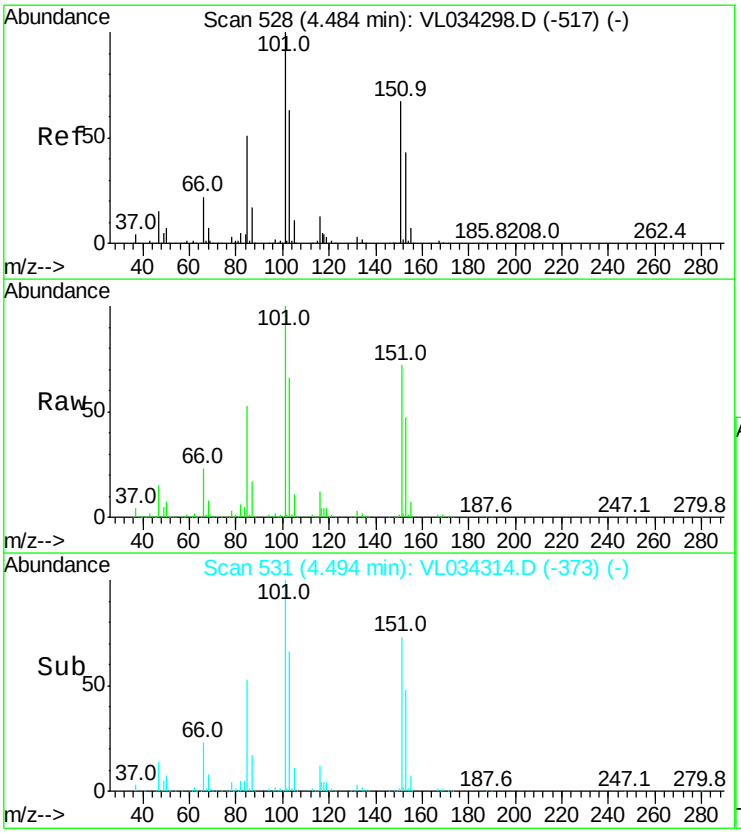
#11
Trichlorofluoromethane
Concen: 9.631 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1762359

Ion	Ratio	Lower	Upper
101	100		
103	65.7	54.5	81.7

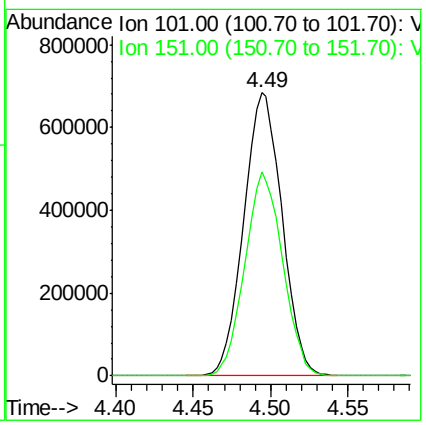


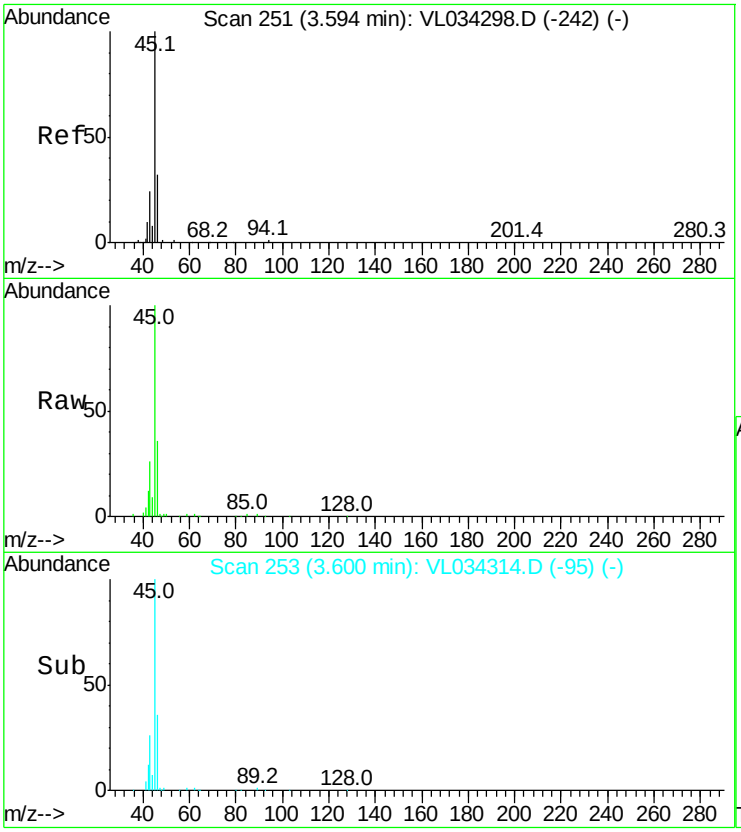


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.858 ppbv
RT: 4.49 min Scan# 531
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:101 Resp: 1181750

Ion	Ratio	Lower	Upper
101	100		
151	71.0	57.4	86.2



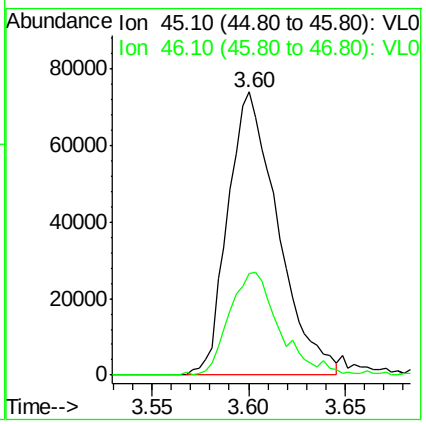


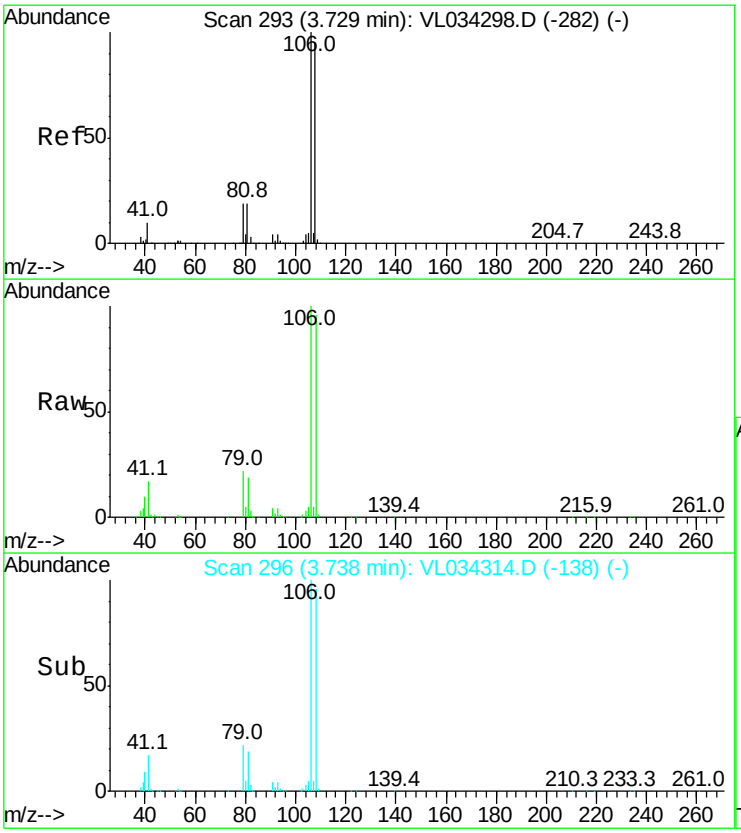
#13
Ethanol
Concen: 10.247 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 133258

Ion	Ratio	Lower	Upper
45	100		
46	37.1	15.8	63.2

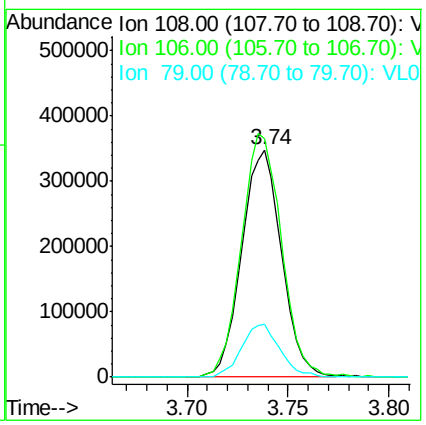


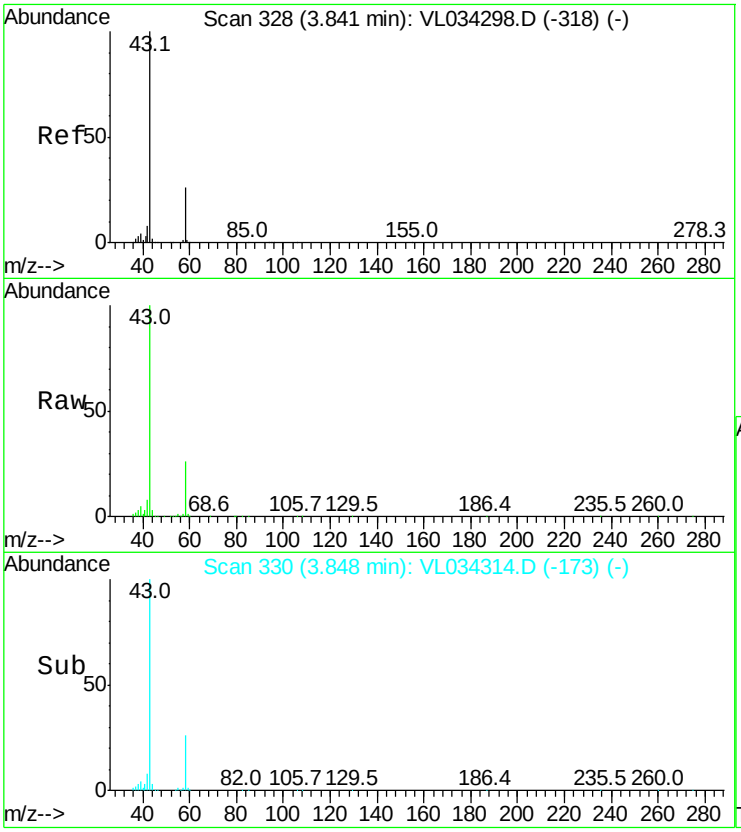


#14
Bromoethene
Concen: 10.208 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:108 Resp: 481822

Ion	Ratio	Lower	Upper
108	100		
106	108.9	84.8	127.2
79	22.7	17.0	25.4



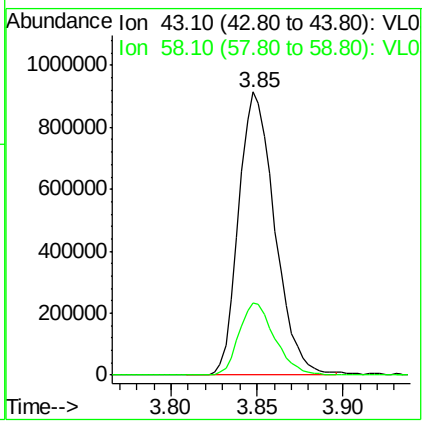


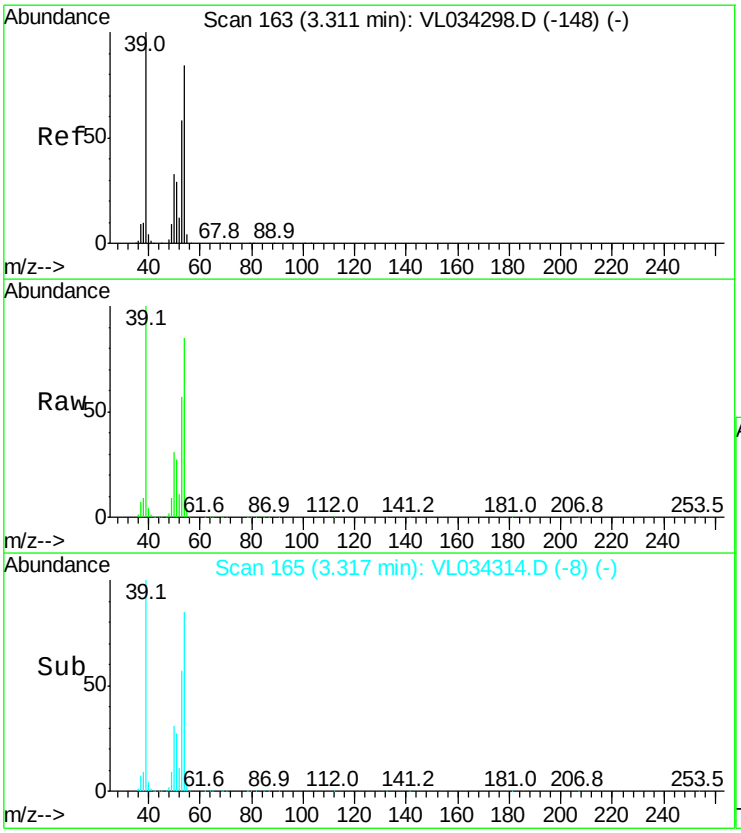
#15
Acetone
Concen: 8.381 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1340165

Ion	Ratio	Lower	Upper
43	100		
58	25.3	20.4	30.6

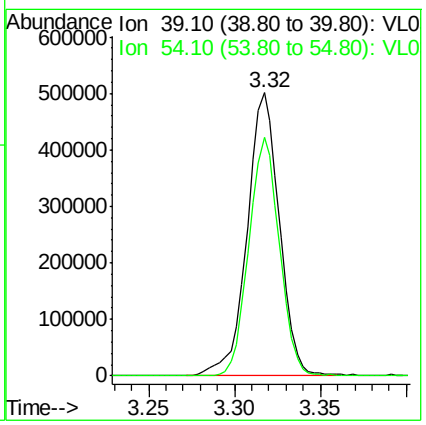


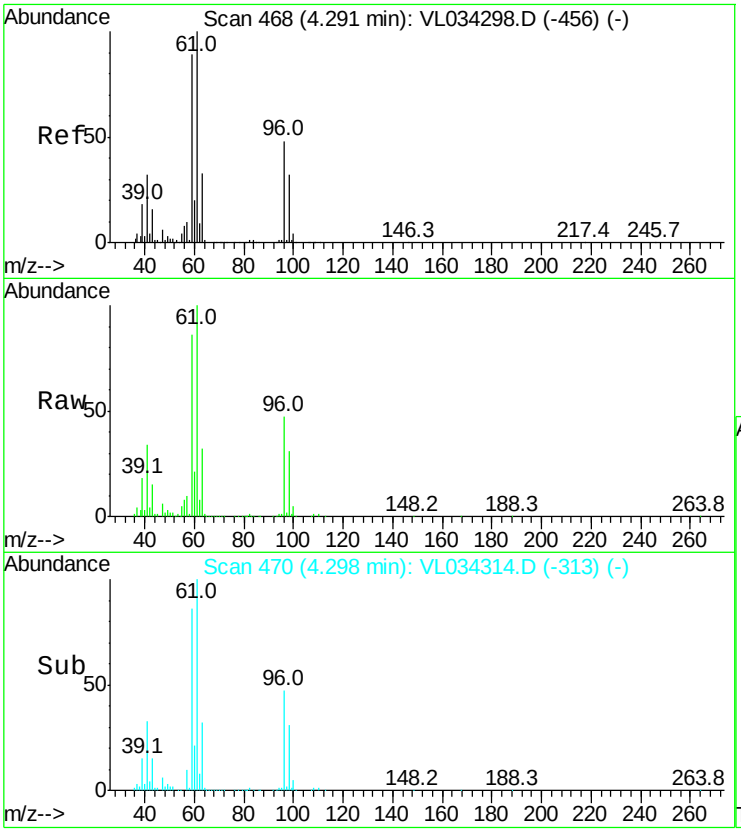


#16
1,3-Butadiene
Concen: 9.945 ppbv
RT: 3.32 min Scan# 165
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 39 Resp: 646163

Ion	Ratio	Lower	Upper
39	100		
54	80.9	63.9	95.9



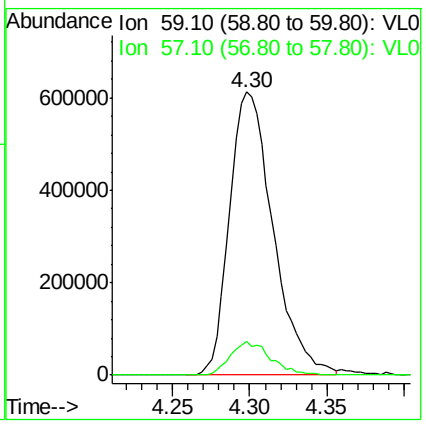


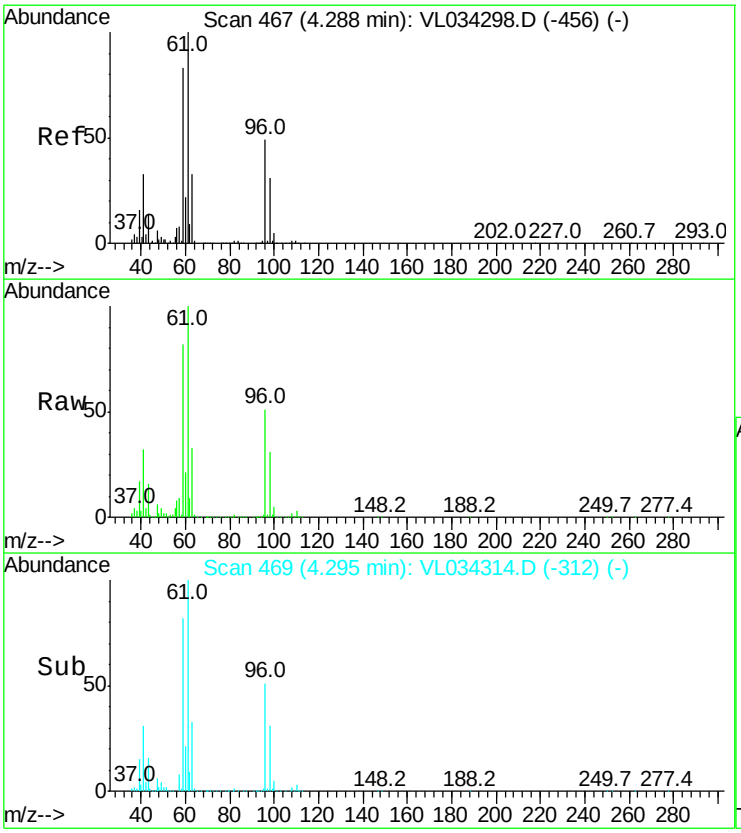
#17
tert-Butyl alcohol
Concen: 11.712 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 1195269

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.8	13.2

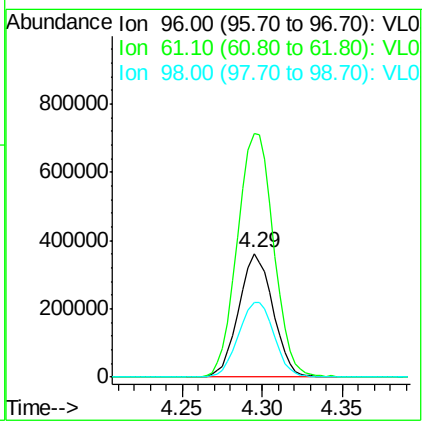


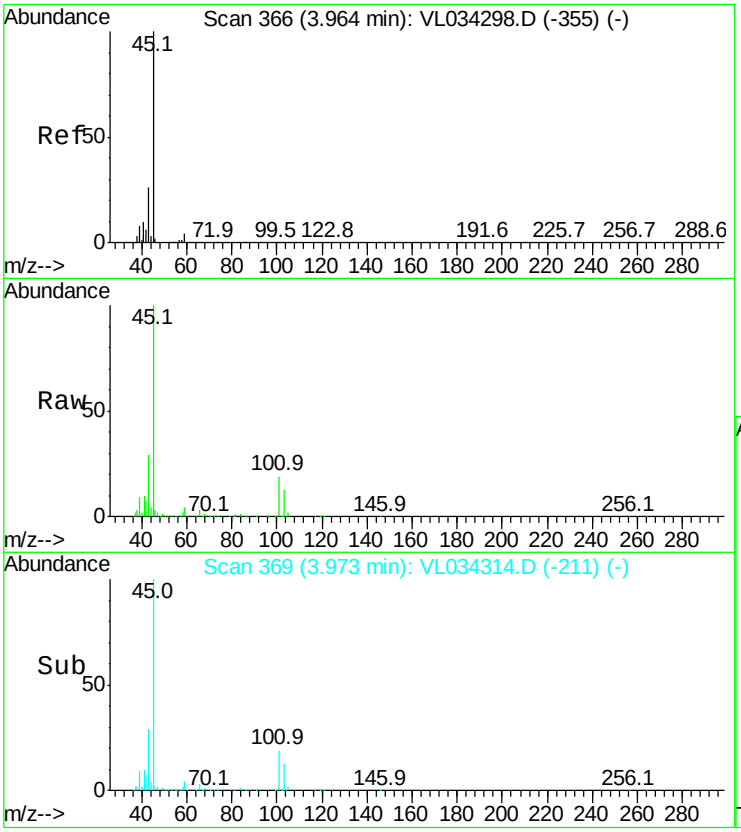


#18
1,1-Dichloroethene
Concen: 10.035 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 96 Resp: 526718

Ion	Ratio	Lower	Upper
96	100		
61	197.2	164.5	246.7
98	60.9	51.7	77.5



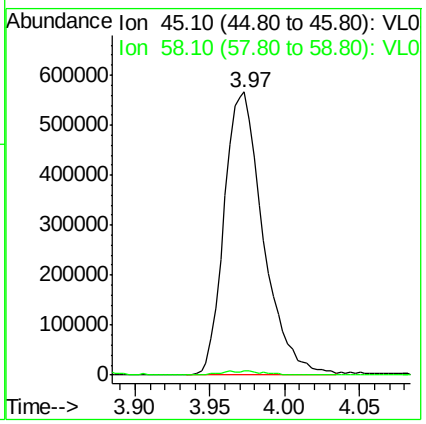


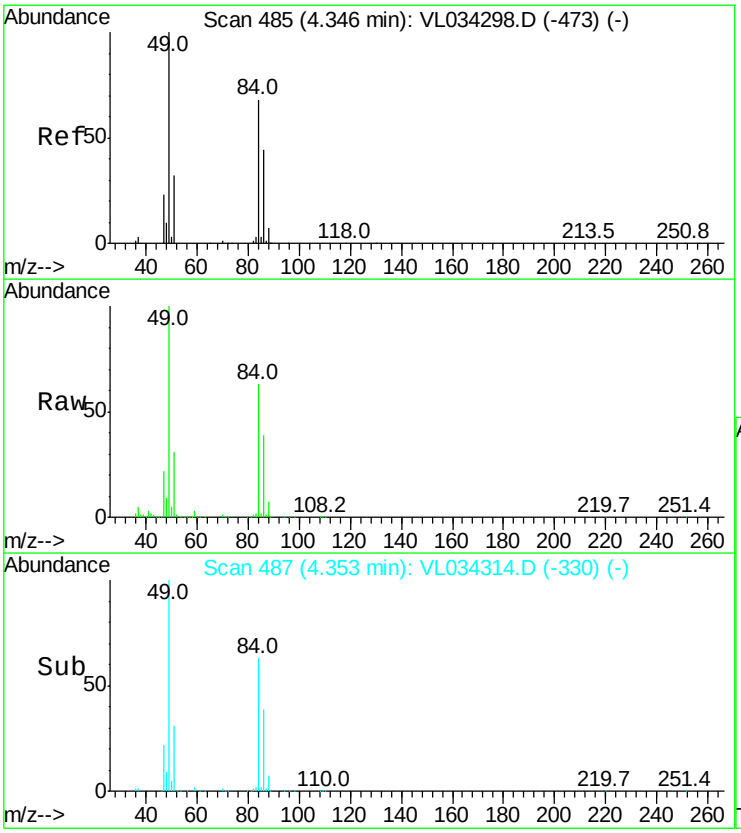
#19
Isopropyl Alcohol
Concen: 11.543 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 1029703

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.4	2.2

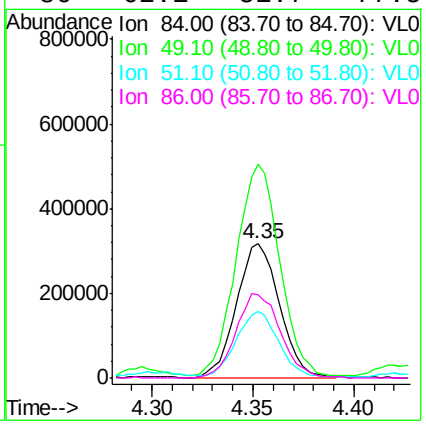


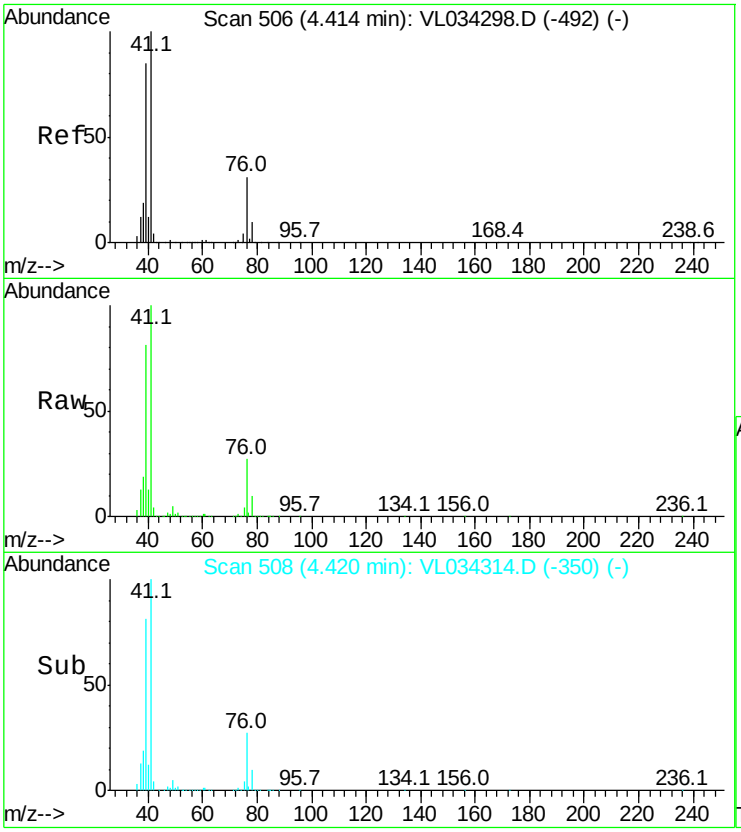


#20
Methylene Chloride
Concen: 8.140 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 84 Resp: 470566

Ion	Ratio	Lower	Upper
84	100		
49	158.3	118.5	177.7
51	49.4	38.8	58.2
86	62.1	51.7	77.5



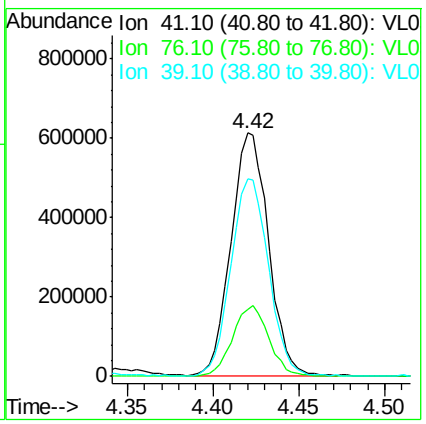


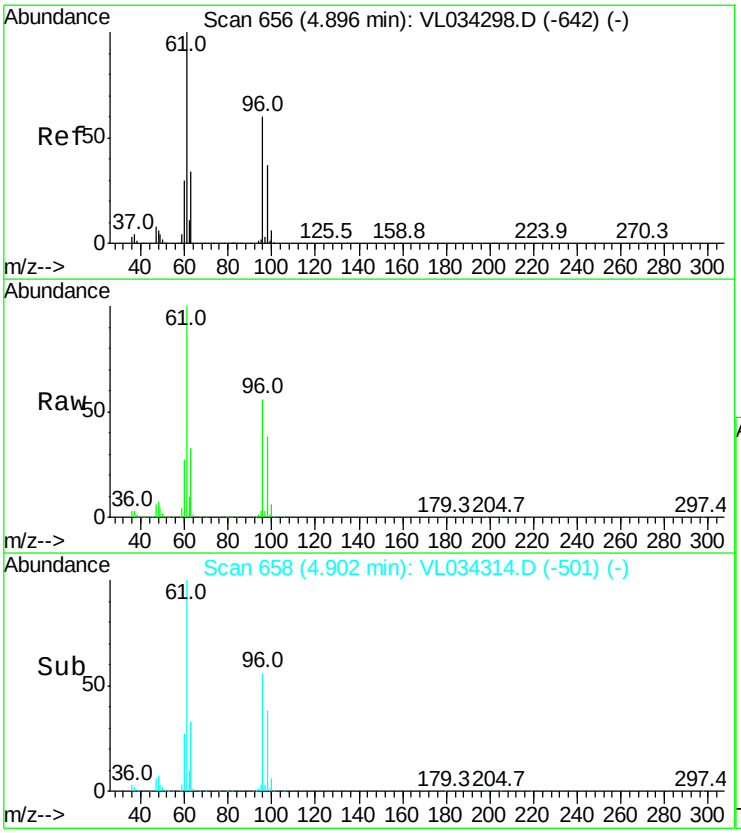
#21
Allyl Chloride
Concen: 10.441 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 922946

Ion	Ratio	Lower	Upper
41	100		
76	28.2	22.8	34.2
39	82.0	66.0	99.0

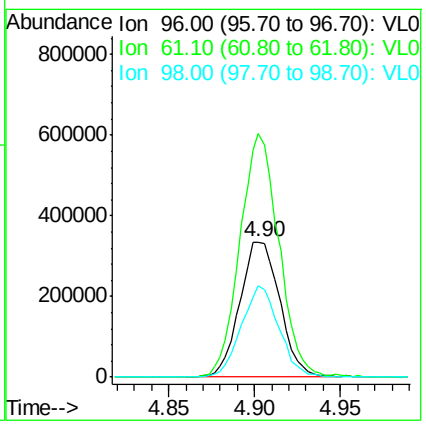


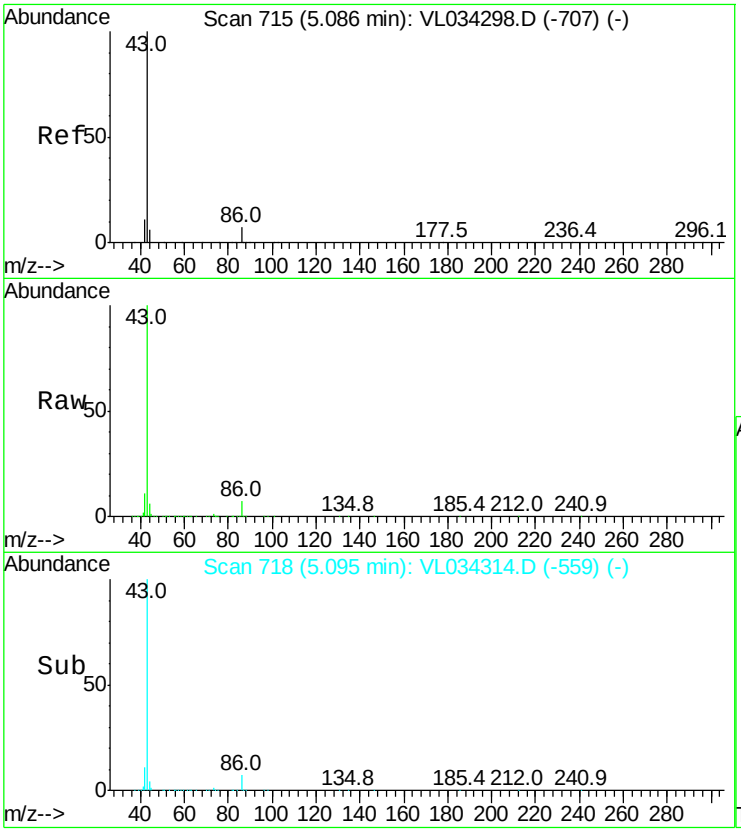


#22
trans-1,2-Dichloroethene
Concen: 10.348 ppbv
RT: 4.90 min Scan# 658
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 96 Resp: 541778

Ion	Ratio	Lower	Upper
96	100		
61	180.0	133.8	200.6
98	67.6	49.4	74.0



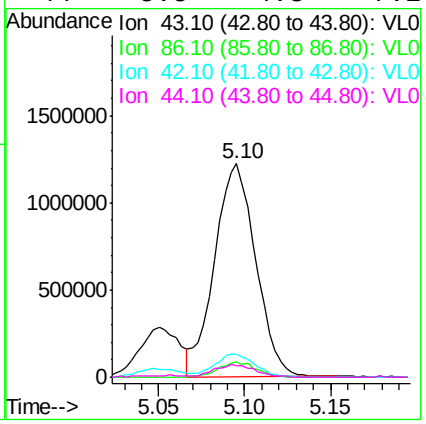


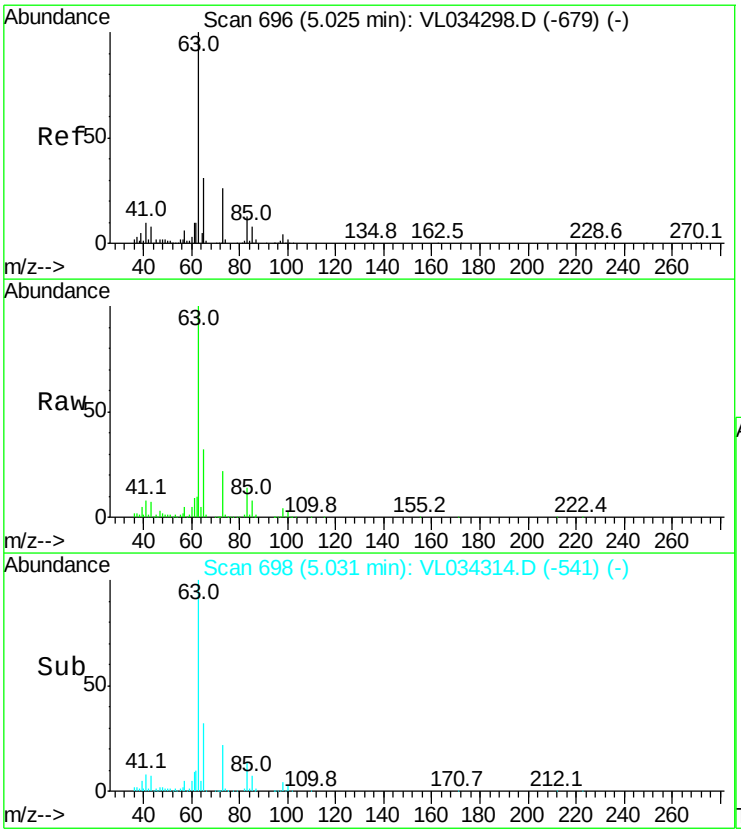
#23
Vinyl Acetate
Concen: 10.220 ppbv
RT: 5.10 min Scan# 718
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2040916

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.0	7.4
42	10.7	8.6	13.0
44	5.5	4.8	7.2

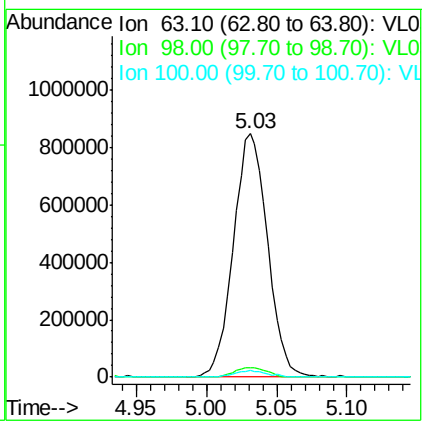


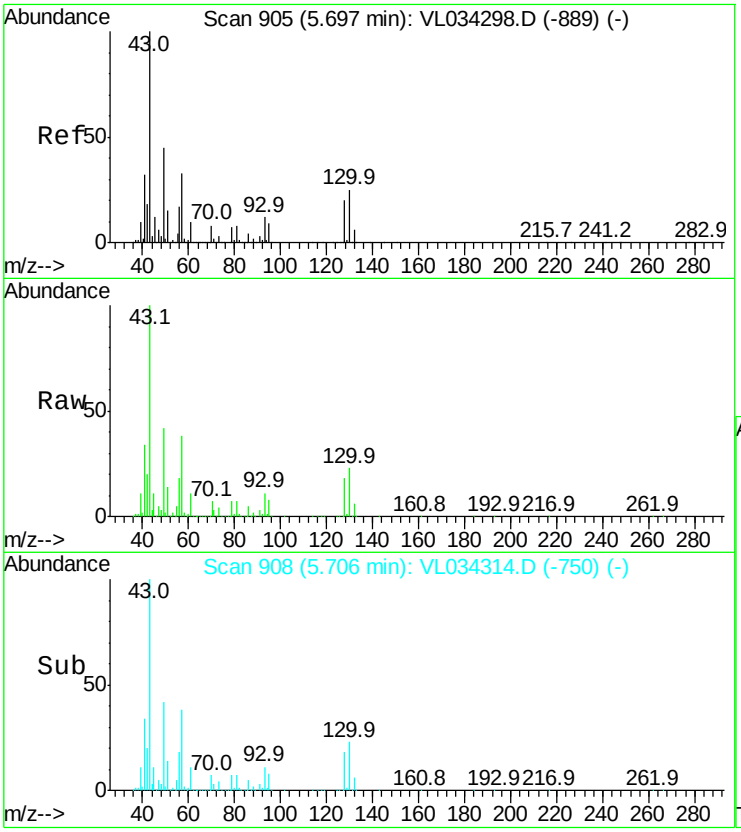


#24
1,1-Dichloroethane
Concen: 9.685 ppbv
RT: 5.03 min Scan# 698
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 63 Resp: 1435434

Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.0	6.0
100	2.6	1.1	3.5



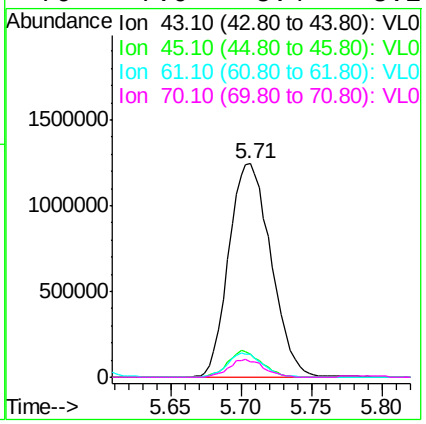


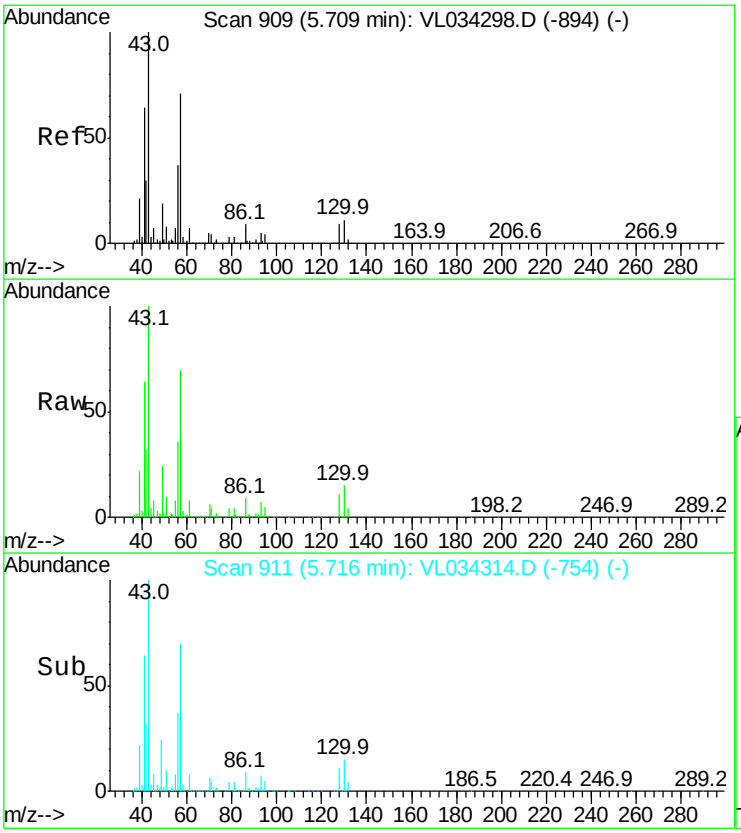
#25
Ethyl Acetate
Concen: 9.647 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2604281

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.3	12.5
61	9.4	7.7	11.5
70	7.0	5.4	8.2

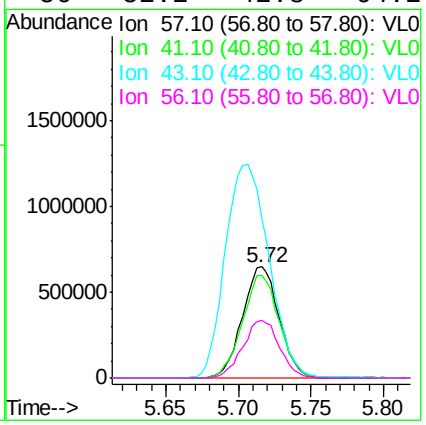


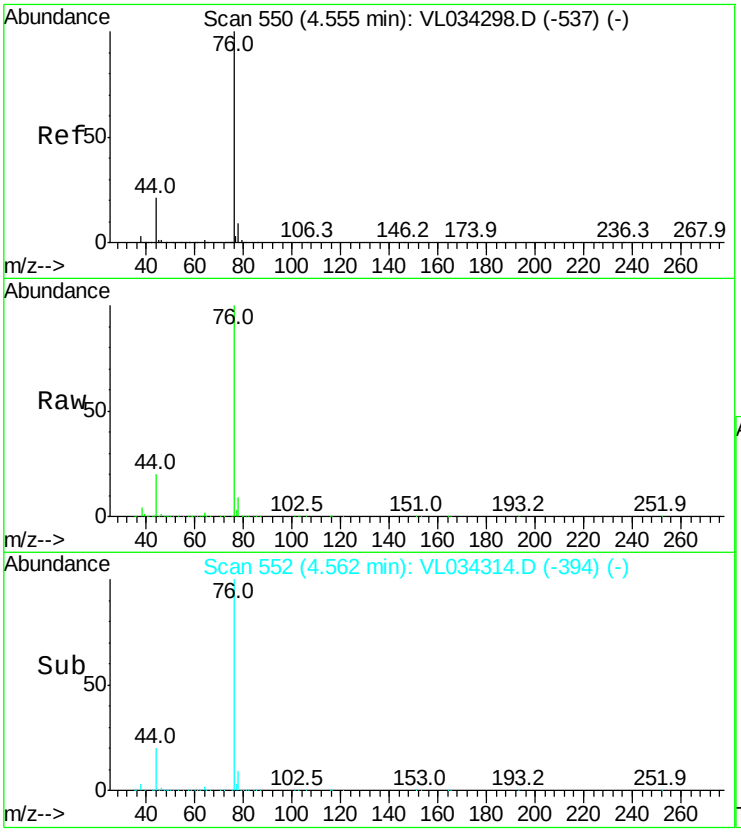


#26
Hexane
Concen: 9.871 ppbv
RT: 5.72 min Scan# 911
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 57 Resp: 1135820

Ion	Ratio	Lower	Upper
57	100		
41	93.4	76.5	114.7
43	230.0	188.5	282.7
56	52.2	42.8	64.2



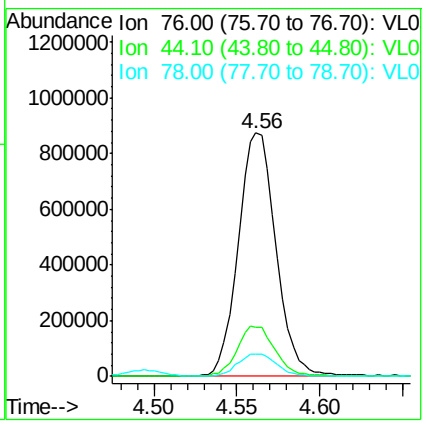


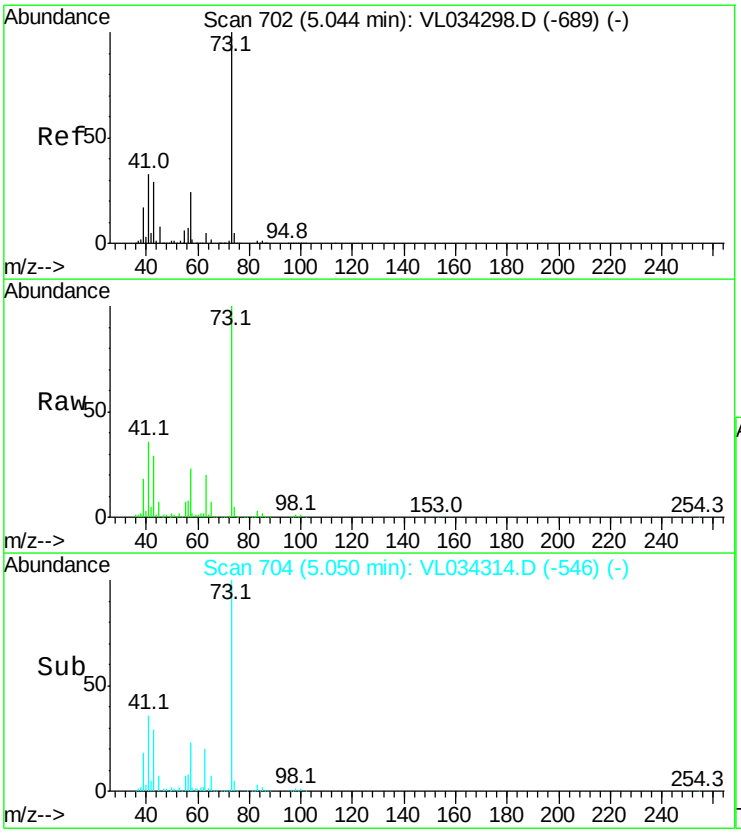
#27
Carbon Disulfide
Concen: 11.526 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 76 Resp: 1376805

Ion	Ratio	Lower	Upper
76	100		
44	20.4	17.3	25.9
78	9.7	7.8	11.6

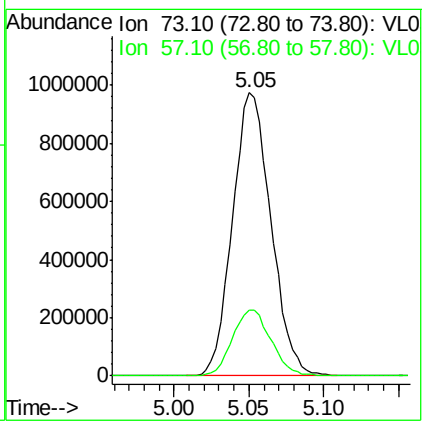


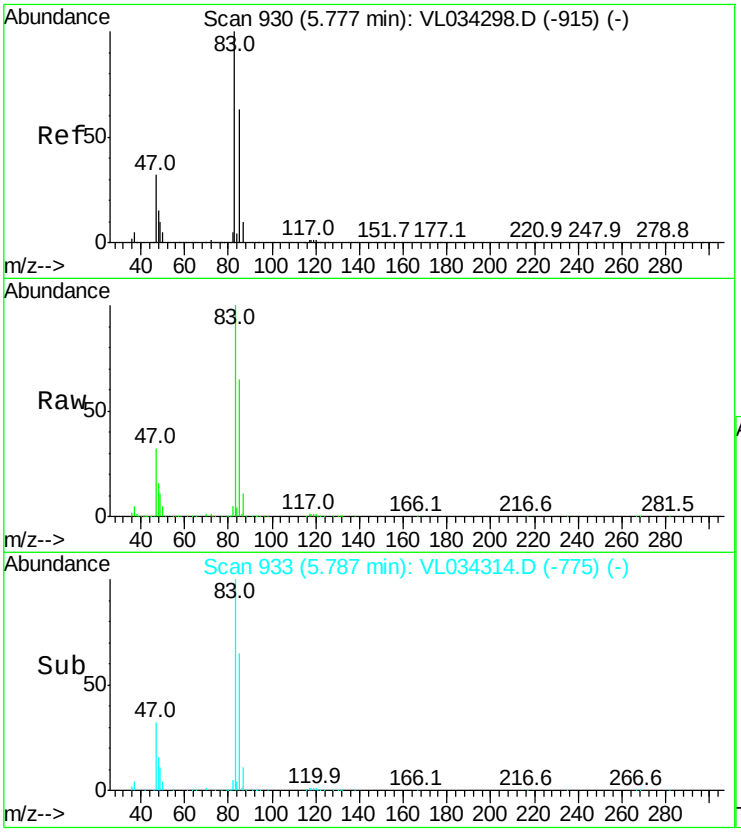


#28
Methyl tert-Butyl Ether
Concen: 10.002 ppbv
RT: 5.05 min Scan# 704
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 73 Resp: 1741776

Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.2	28.8



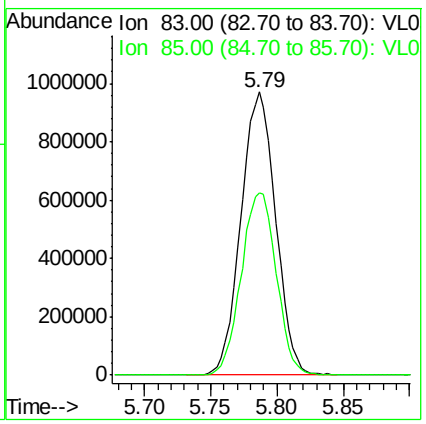


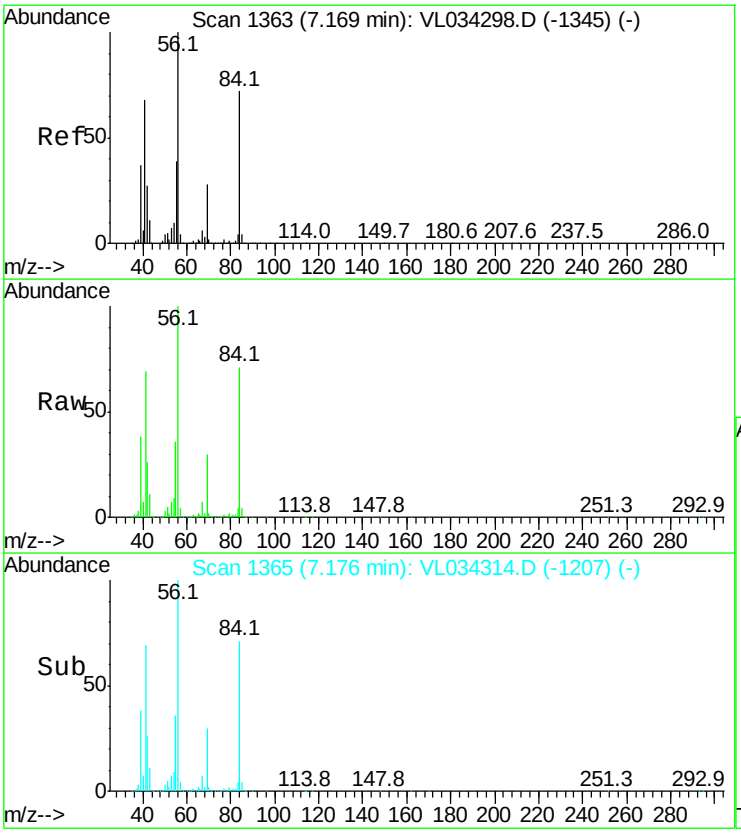
#29
Chloroform
Concen: 9.725 ppbv
RT: 5.79 min Scan# 933
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1770049

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.5	75.7

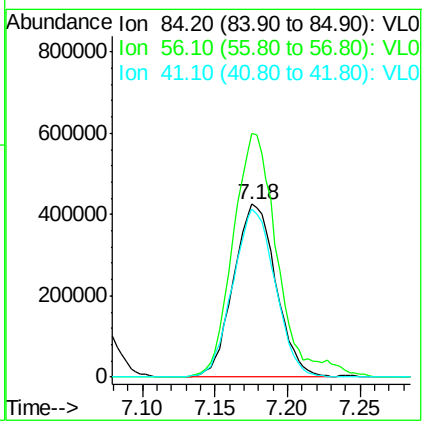


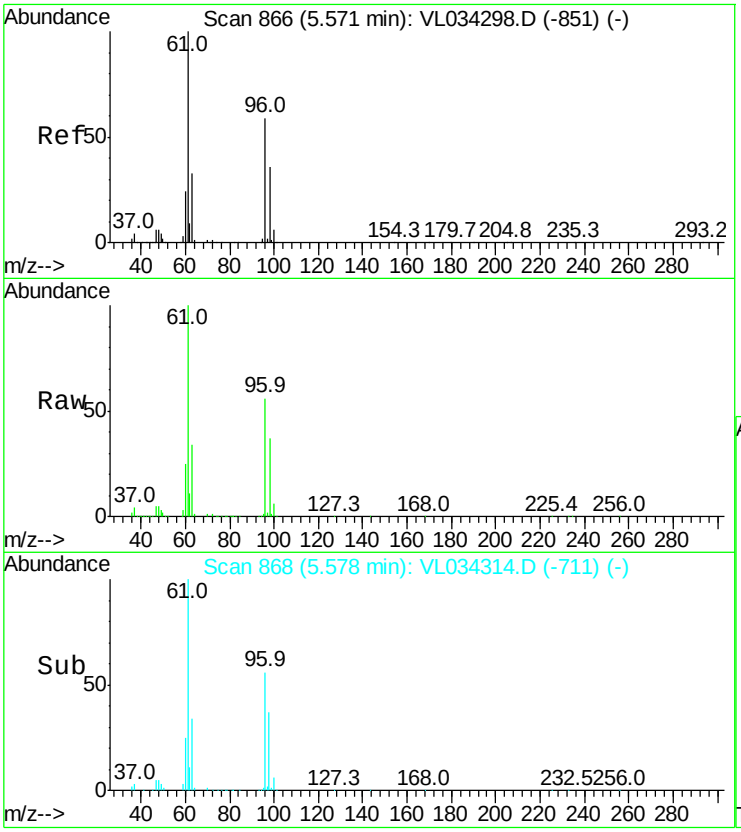


#30
Cyclohexane
Concen: 10.231 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 84 Resp: 865747

Ion	Ratio	Lower	Upper
84	100		
56	147.7	119.4	179.0
41	96.8	78.7	118.1



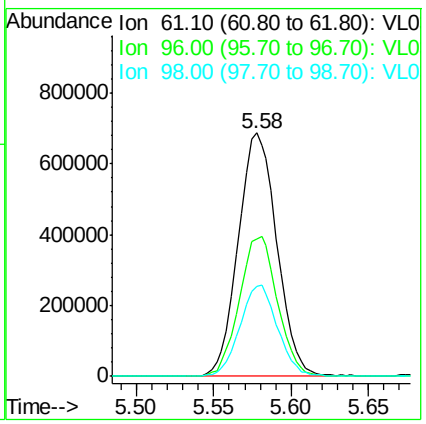


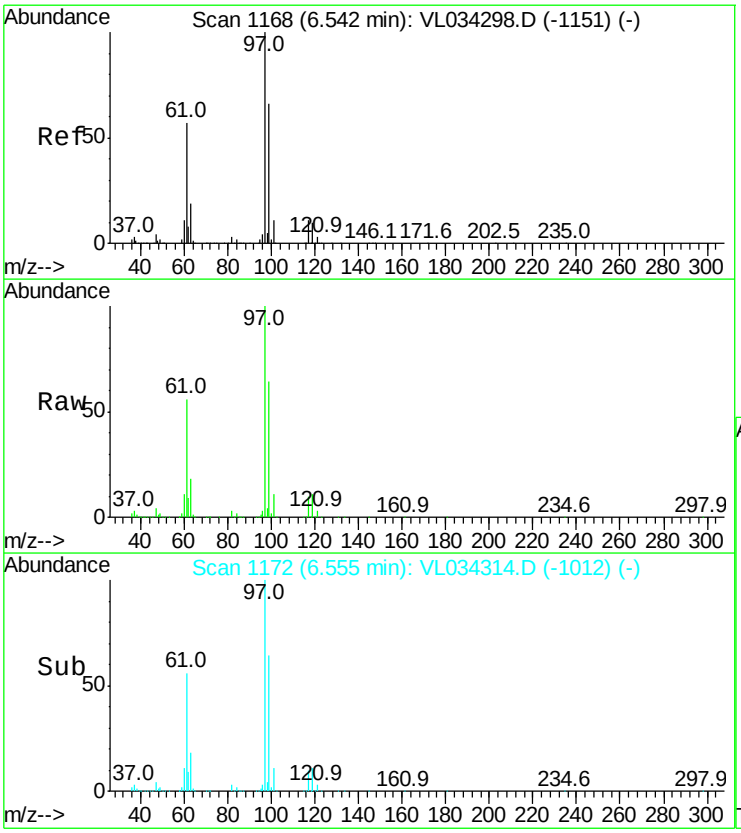
#31
cis-1,2-Dichloroethene
Concen: 10.224 ppbv
RT: 5.58 min Scan# 868
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 61 Resp: 1193866

Ion	Ratio	Lower	Upper
61	100		
96	56.2	47.5	71.3
98	37.2	28.8	43.2

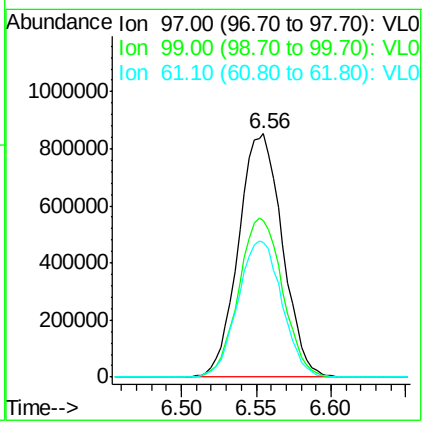


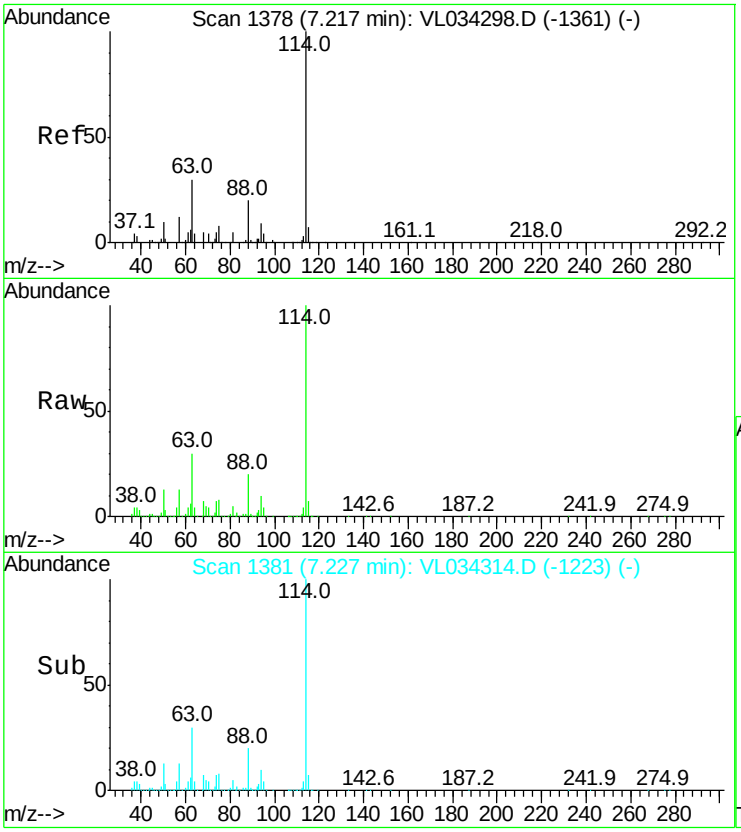


#32
1,1,1-Trichloroethane
Concen: 9.827 ppbv
RT: 6.56 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 97 Resp: 1739392

Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.6	78.8
61	56.3	44.5	66.7



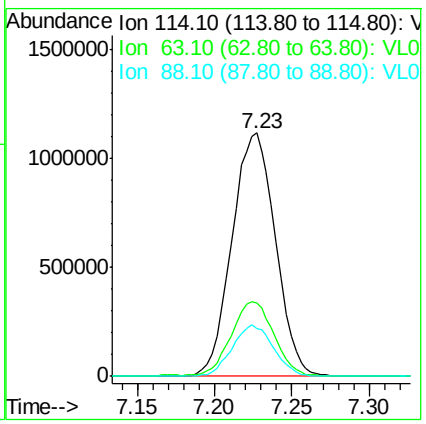


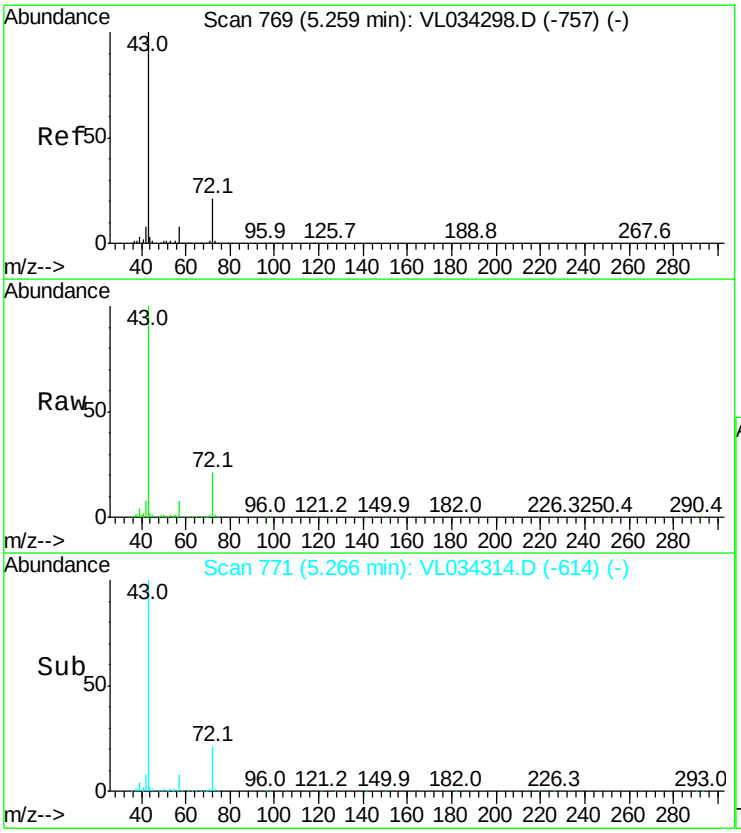
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.23 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 2171847

Ion	Ratio	Lower	Upper
114	100		
63	31.0	25.2	37.8
88	20.3	16.0	24.0

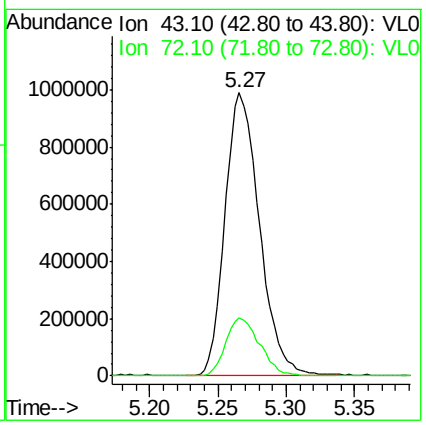


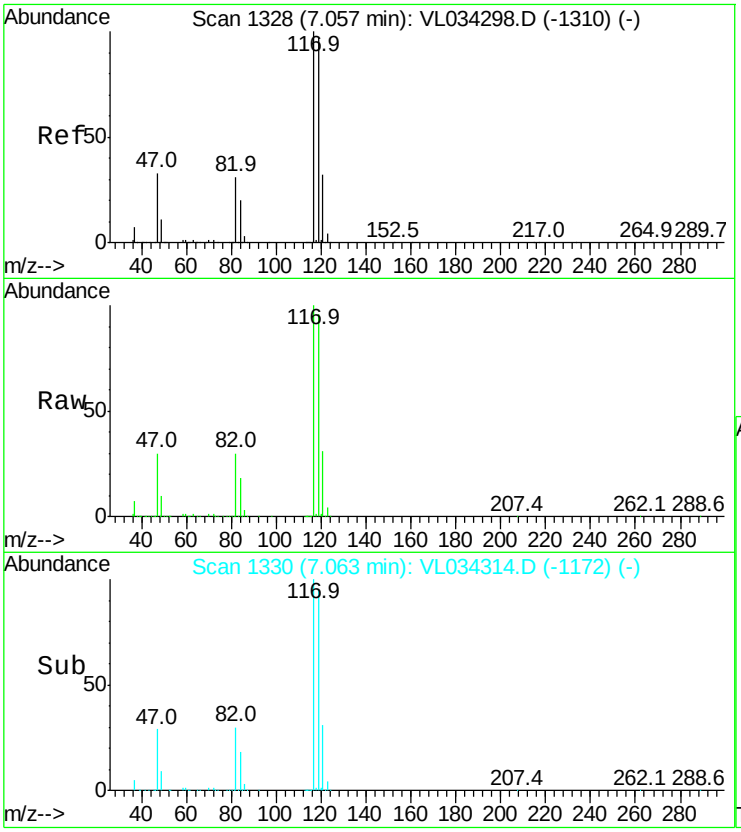


#34
2-Butanone
Concen: 9.773 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 43 Resp: 1734839

Ion	Ratio	Lower	Upper
43	100		
72	20.4	16.3	24.5



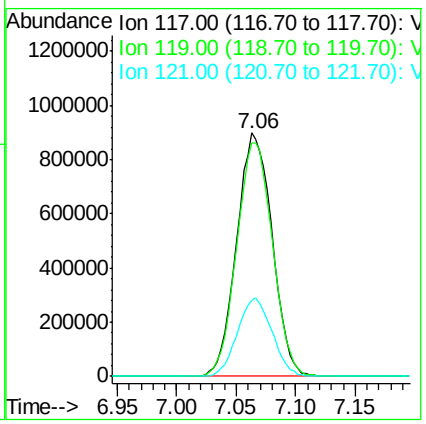


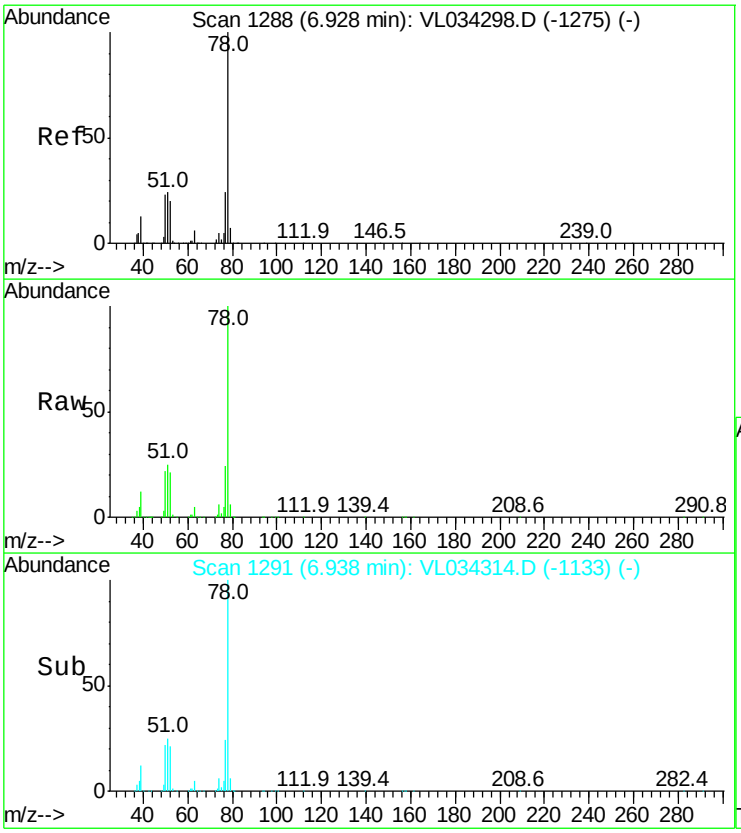
#35
Carbon Tetrachloride
Concen: 9.823 ppbv
RT: 7.06 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 1858229

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.3	115.9
121	31.3	25.5	38.3

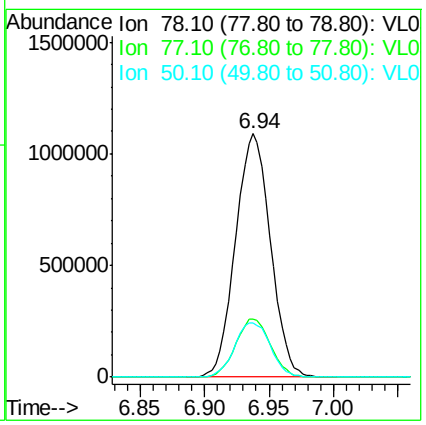


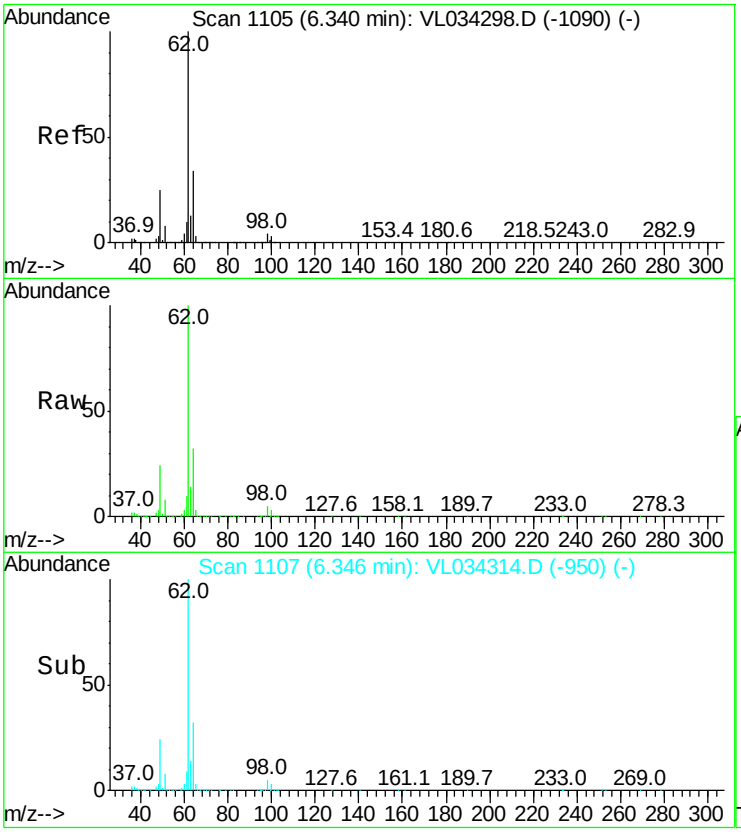


#36
Benzene
Concen: 9.879 ppbv
RT: 6.94 min Scan# 1291
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 78 Resp: 2058696

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4
50	22.5	18.6	27.8



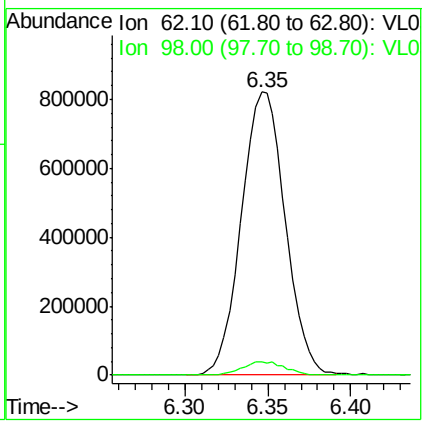


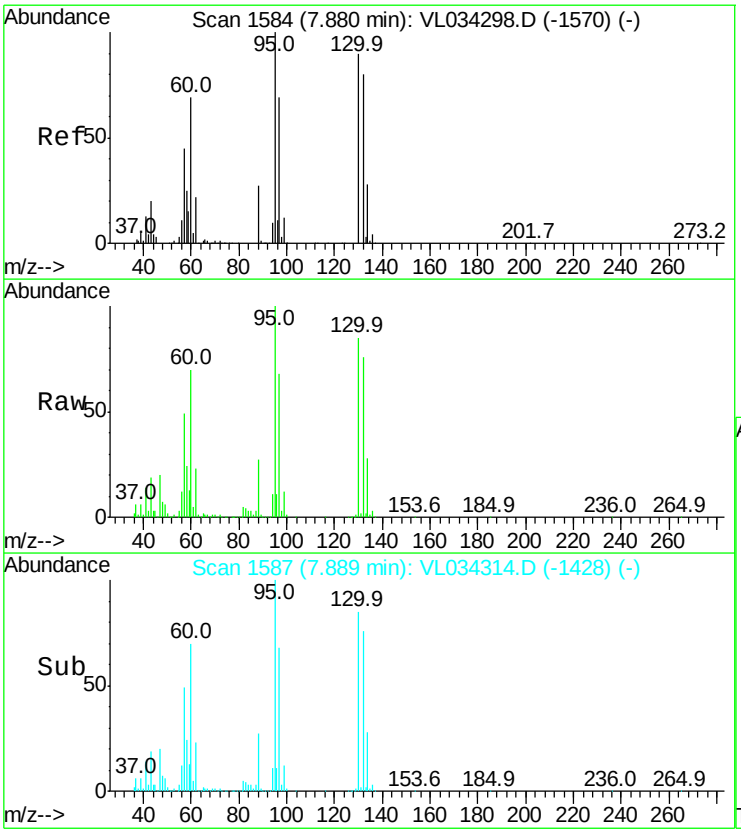
#37
1,2-Dichloroethane
Concen: 9.745 ppbv
RT: 6.35 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 1513471

Ion	Ratio	Lower	Upper
62	100		
98	4.7	3.8	5.6

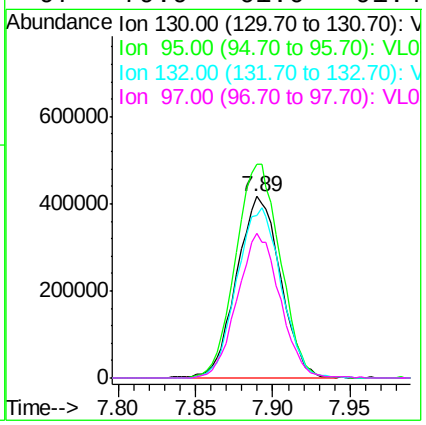


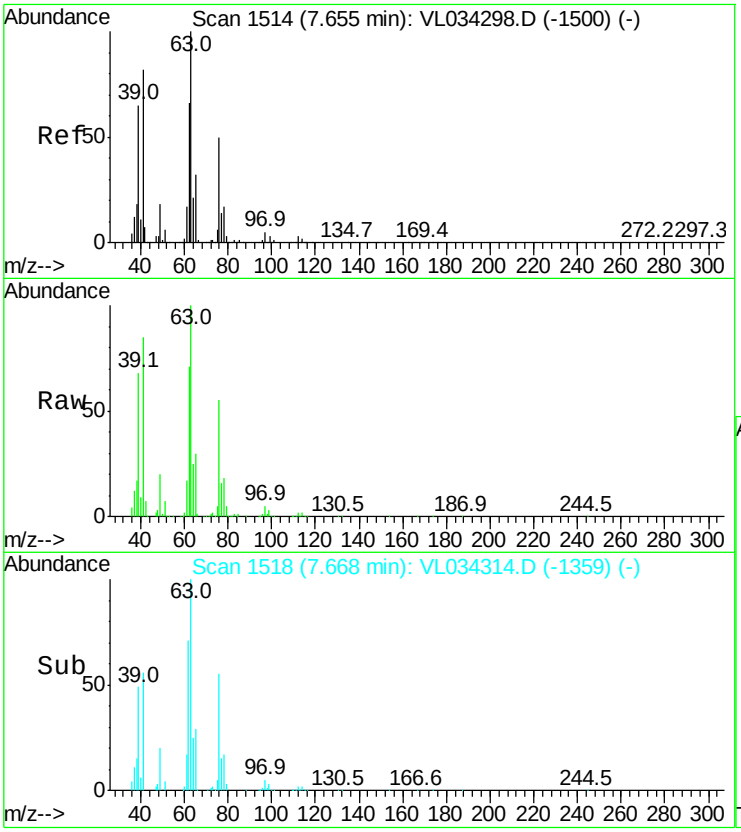


#38
Trichloroethene
Concen: 9.756 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:130 Resp: 815781

Ion	Ratio	Lower	Upper
130	100		
95	117.8	88.6	132.8
132	90.0	71.2	106.8
97	79.9	61.0	91.4



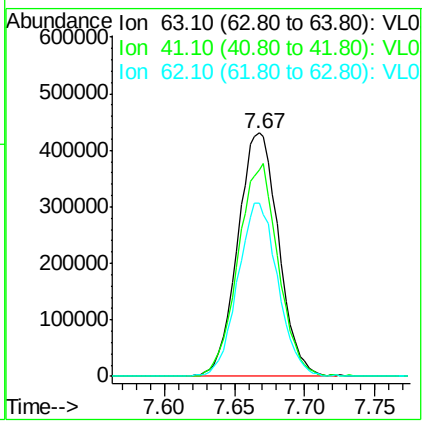


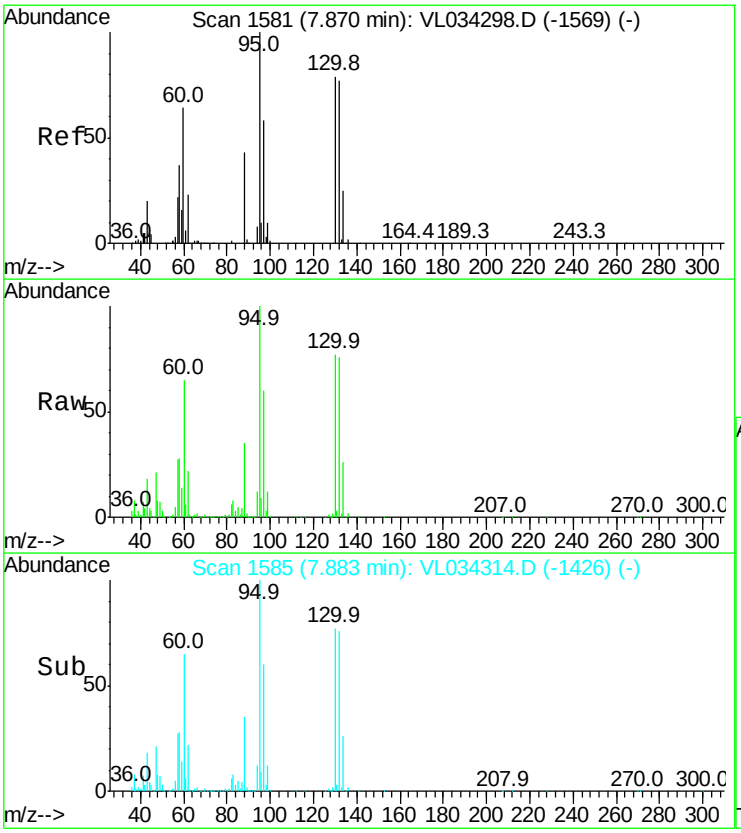
#39
1,2-Dichloropropane
Concen: 9.751 ppbv
RT: 7.67 min Scan# 1518
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 63 Resp: 874952

Ion	Ratio	Lower	Upper
63	100		
41	84.5	65.6	98.4
62	70.9	53.0	79.6

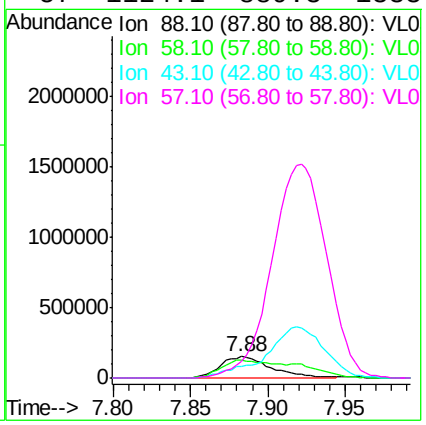


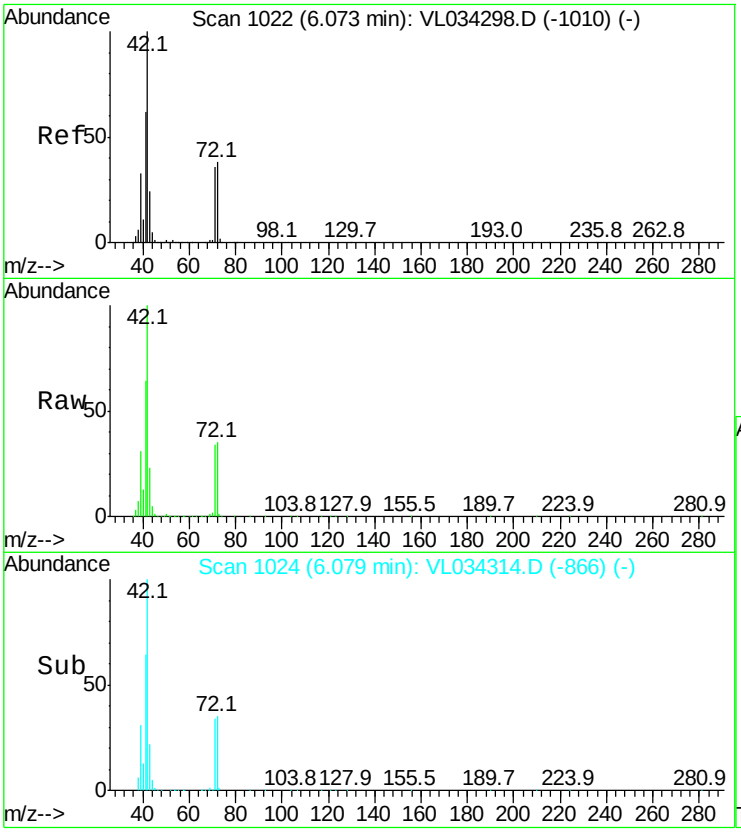


#40
1,4-Dioxane
Concen: 10.588 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 88 Resp: 333854

Ion	Ratio	Lower	Upper
88	100		
58	138.2	110.3	165.5
43	285.9	228.1	342.1
57	1124.1	889.3	1333.9



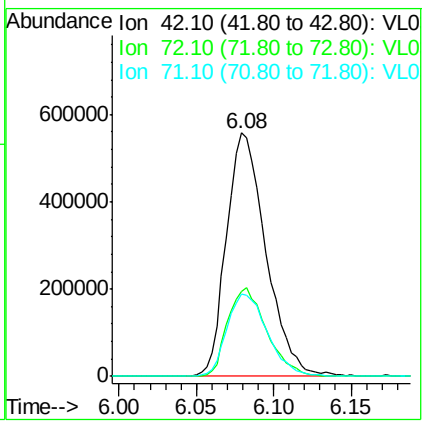


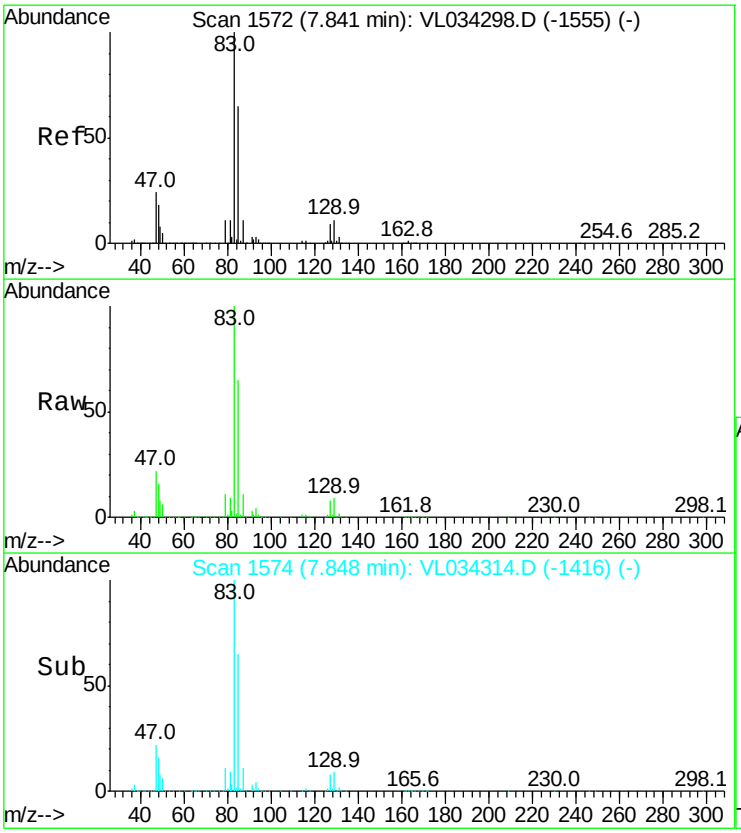
#41
Tetrahydrofuran
Concen: 10.014 ppbv
RT: 6.08 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 986532

Ion	Ratio	Lower	Upper
42	100		
72	36.4	28.0	42.0
71	34.9	27.3	40.9

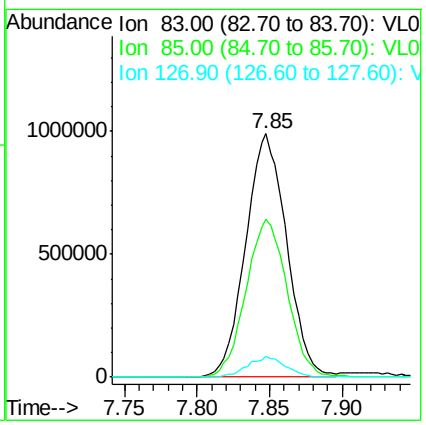


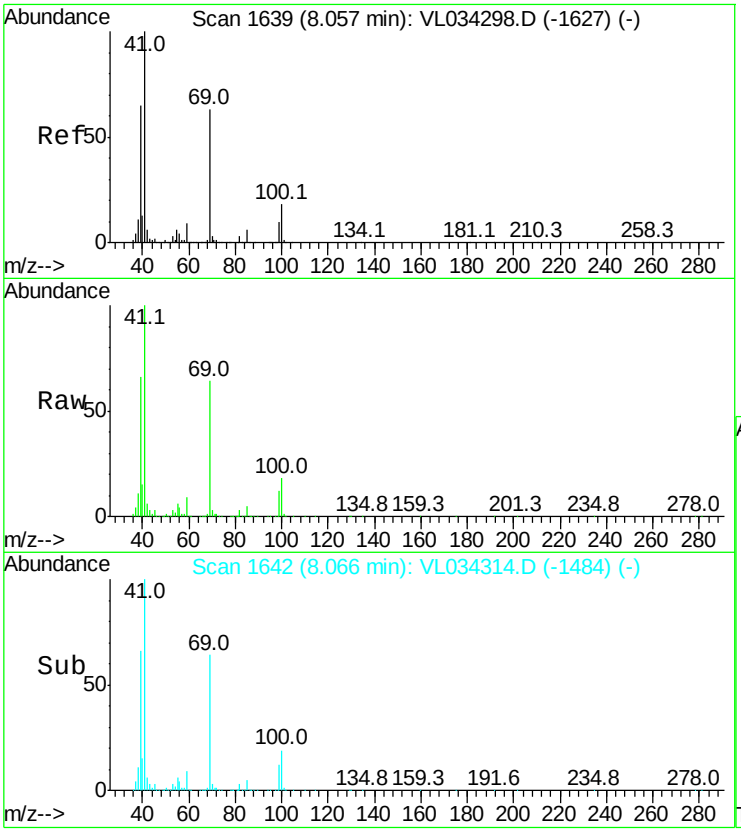


#42
Bromodichloromethane
Concen: 10.231 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 83 Resp: 1946206

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6
127	8.3	7.0	10.6



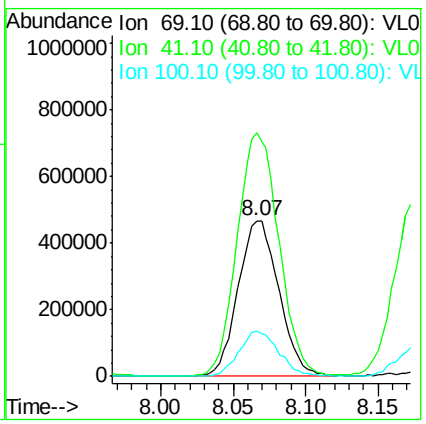


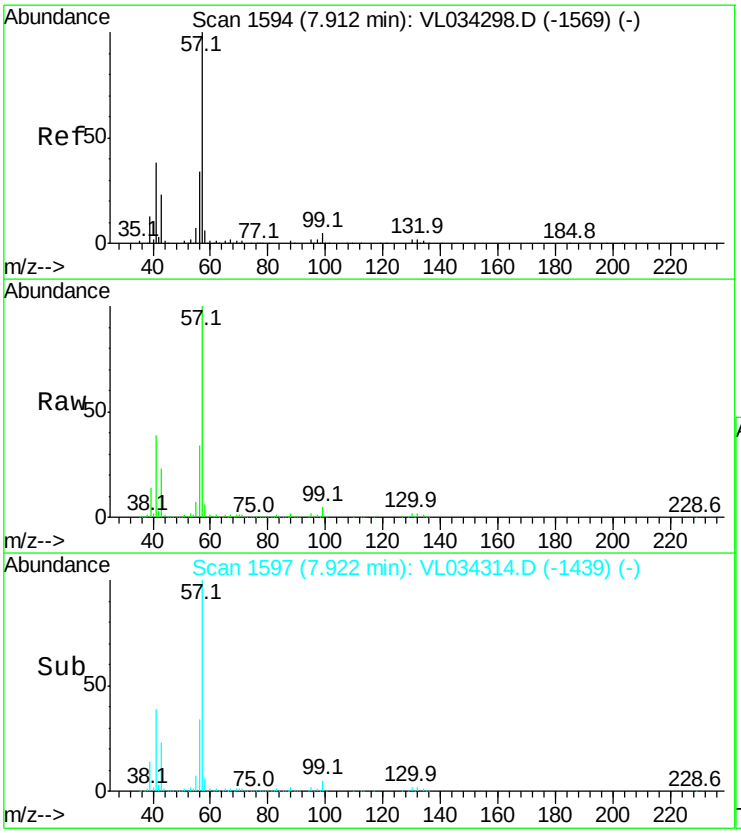
#43
Methyl Methacrylate
Concen: 10.615 ppbv
RT: 8.07 min Scan# 1642
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 914866

Ion	Ratio	Lower	Upper
69	100		
41	160.4	132.1	198.1
100	28.4	23.2	34.8

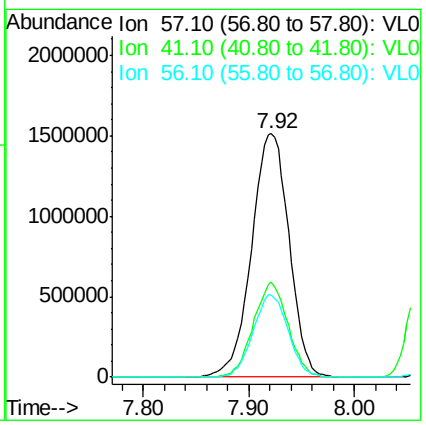


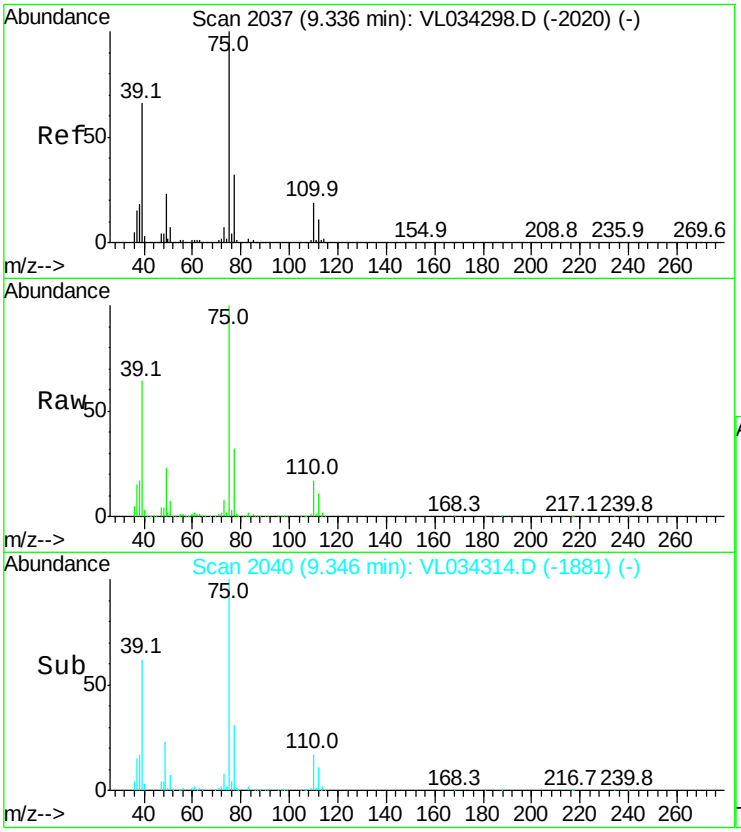


#44
2,2,4-Trimethylpentane
Concen: 9.715 ppbv
RT: 7.92 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 57 Resp: 3746832

Ion	Ratio	Lower	Upper
57	100		
41	36.0	29.3	43.9
56	31.7	25.3	37.9



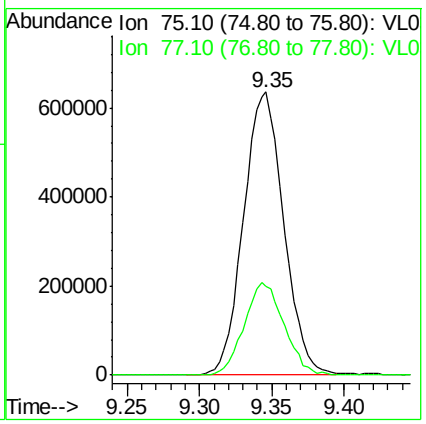


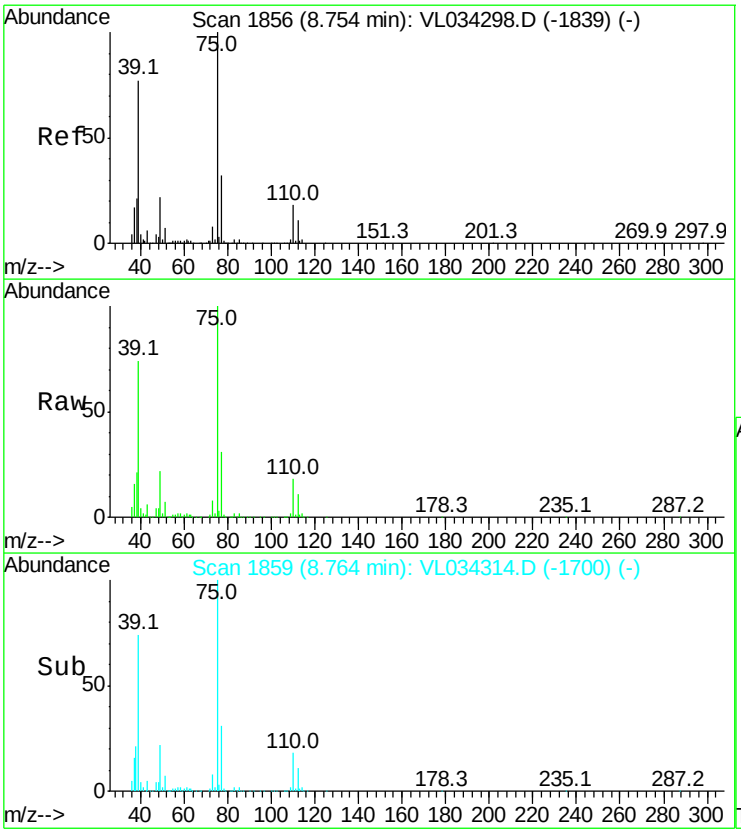
#45
t-1,3-Dichloropropene
Concen: 11.669 ppbv
RT: 9.35 min Scan# 2040
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 75 Resp: 1225288

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4

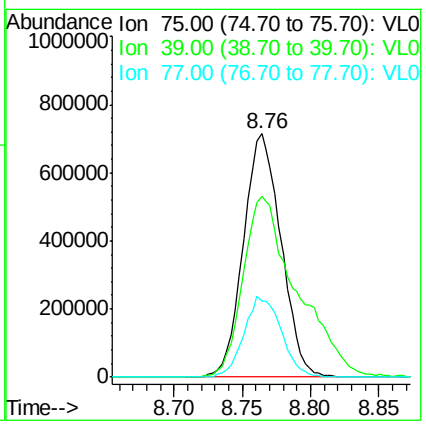


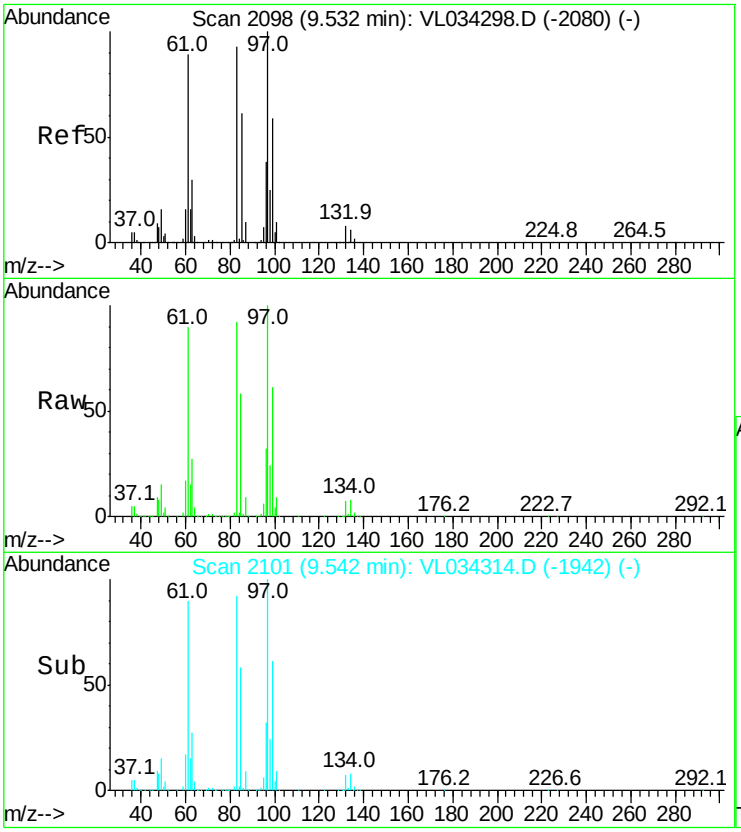


#46
cis-1,3-Dichloropropene
Concen: 11.352 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 75 Resp: 1369503

Ion	Ratio	Lower	Upper
75	100		
39	74.4	61.2	91.8
77	31.2	25.9	38.9



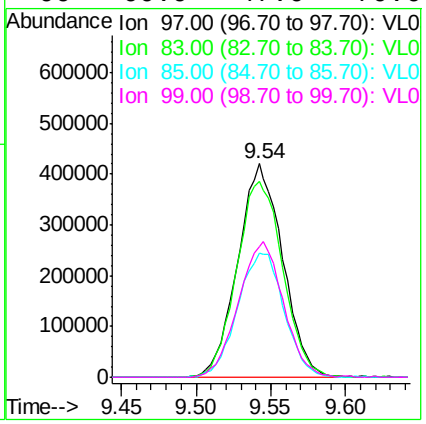


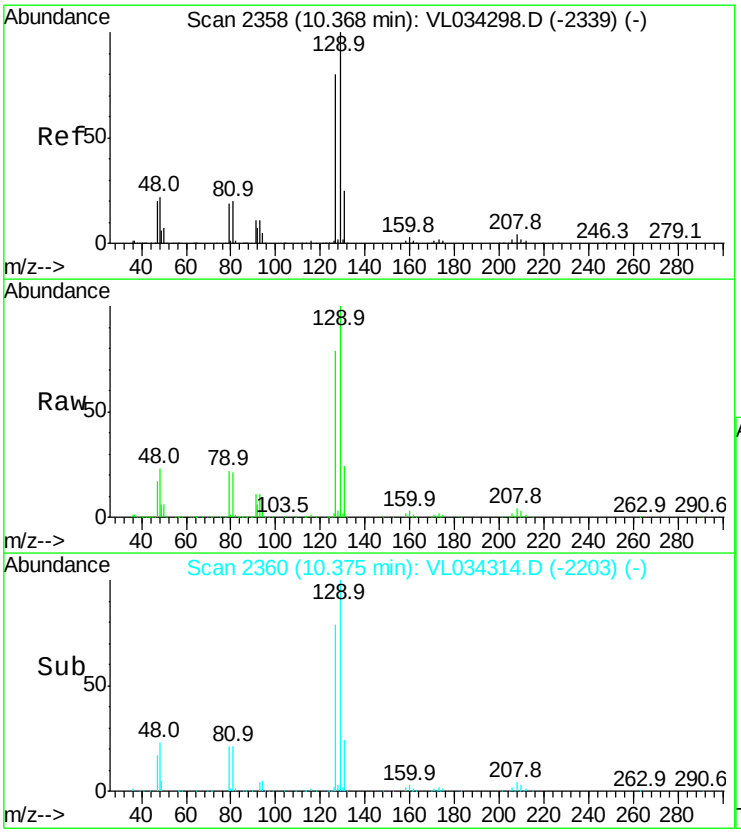
#47
1,1,2-Trichloroethane
Concen: 9.619 ppbv
RT: 9.54 min Scan# 2101
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 97 Resp: 874210

Ion	Ratio	Lower	Upper
97	100		
83	91.5	74.2	111.2
85	58.3	48.6	73.0
99	60.9	47.0	70.6

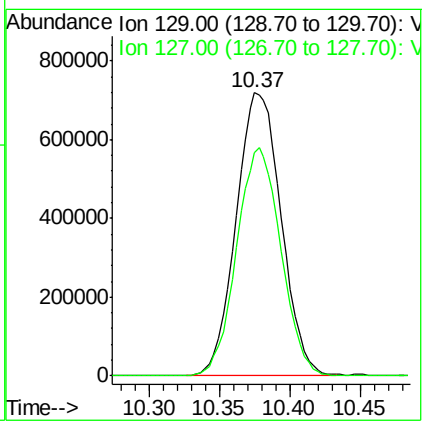


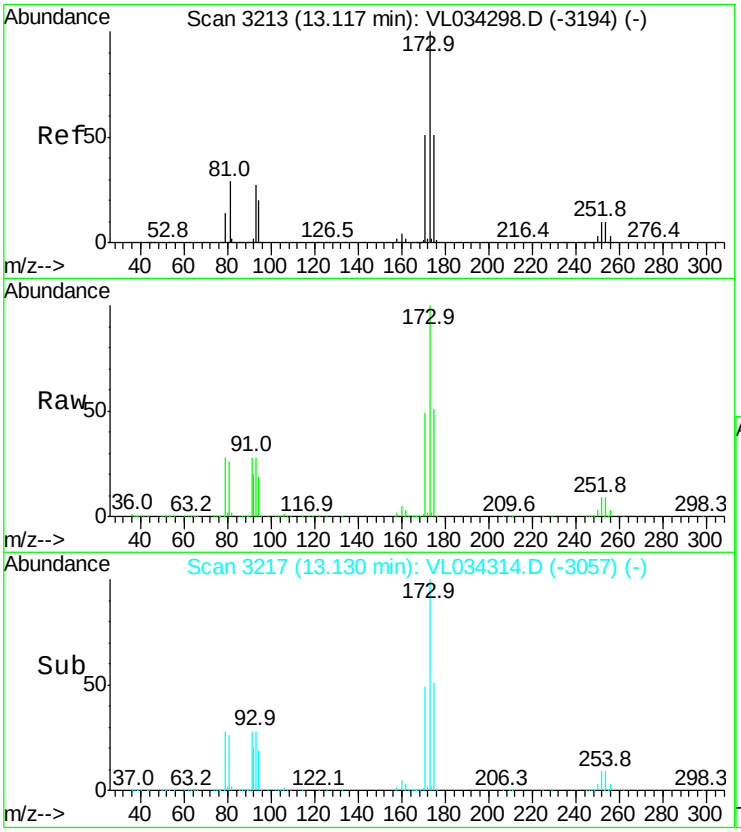


#48
Dibromochloromethane
Concen: 10.787 ppbv
RT: 10.37 min Scan# 2360
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:129 Resp: 1608272

Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.7	119.1



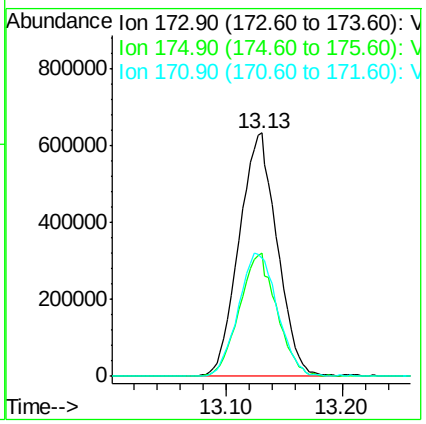


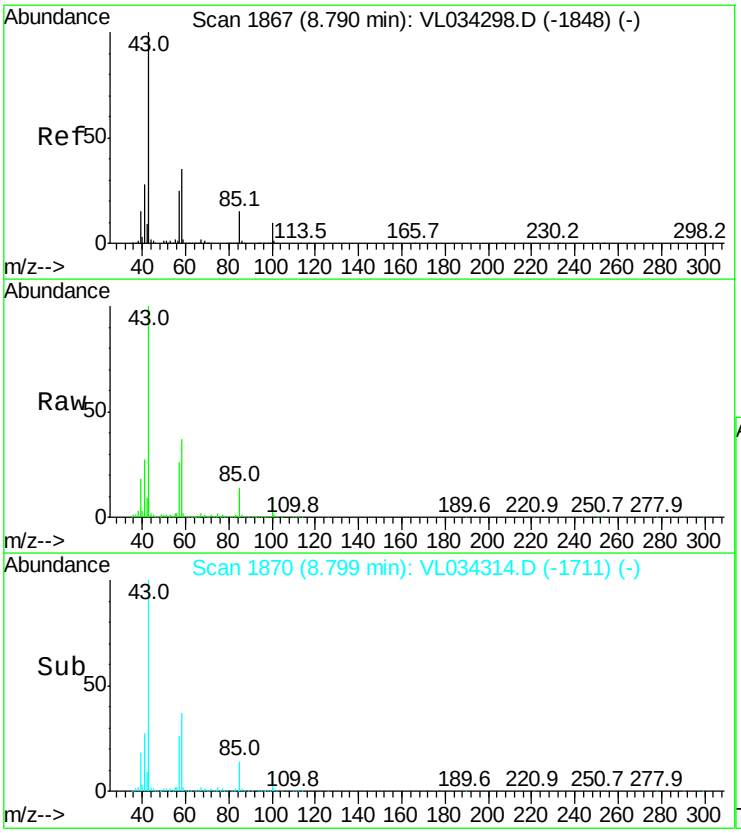
#49
Bromoform
Concen: 10.942 ppbv
RT: 13.13 min Scan# 3217
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1445495

Ion	Ratio	Lower	Upper
173	100		
175	49.9	39.8	59.6
171	52.1	41.8	62.6

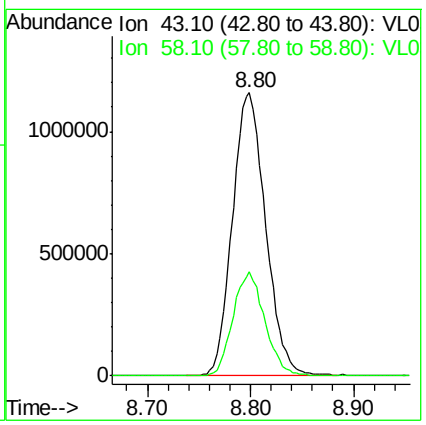


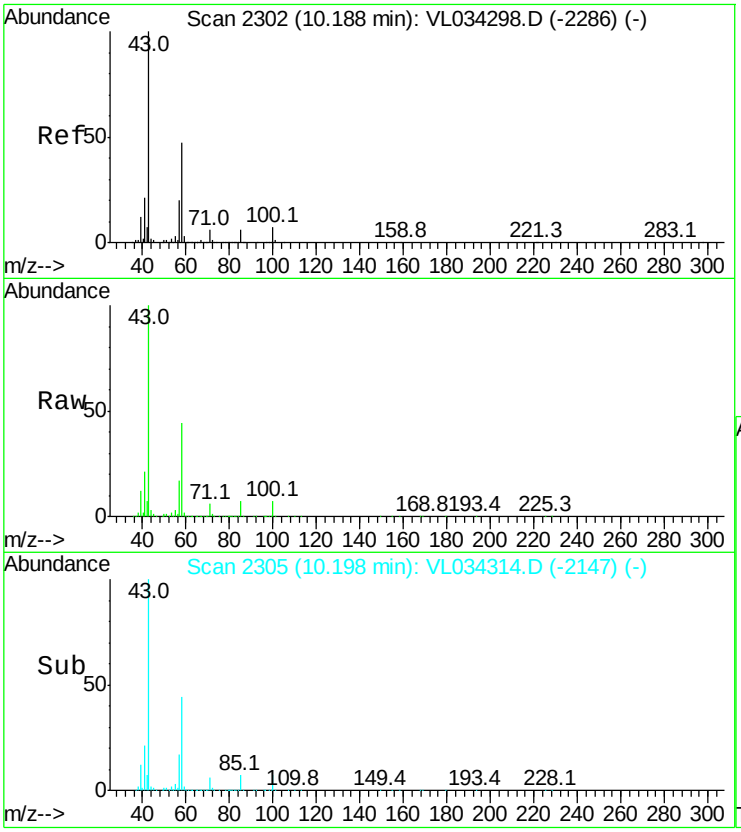


#50
4-Methyl-2-Pentanone
Concen: 10.228 ppbv
RT: 8.80 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 43 Resp: 2599378

Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.6	41.4



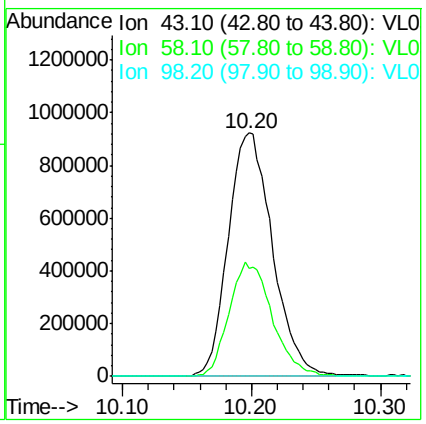


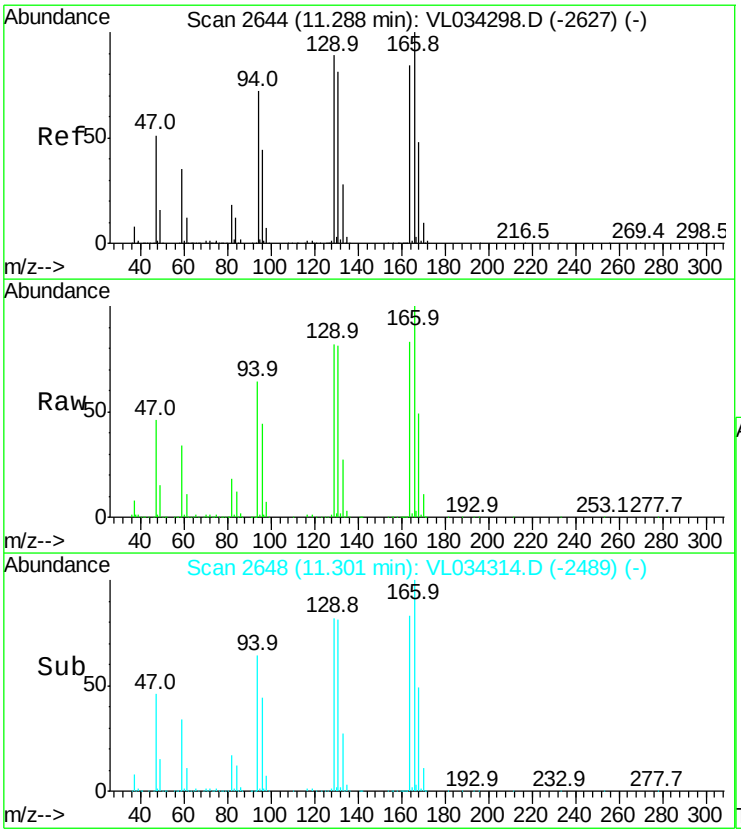
#51
2-Hexanone
Concen: 10.528 ppbv
RT: 10.20 min Scan# 2305
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2193265

Ion	Ratio	Lower	Upper
43	100		
58	46.0	37.0	55.6
98	0.2	0.2	0.2

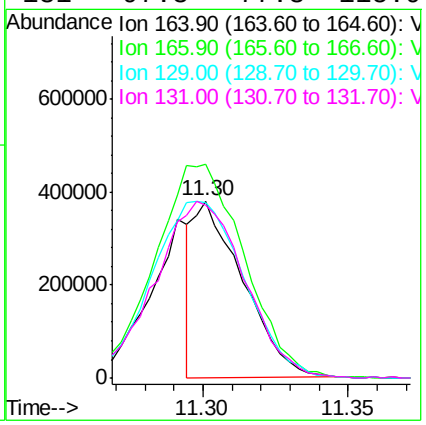


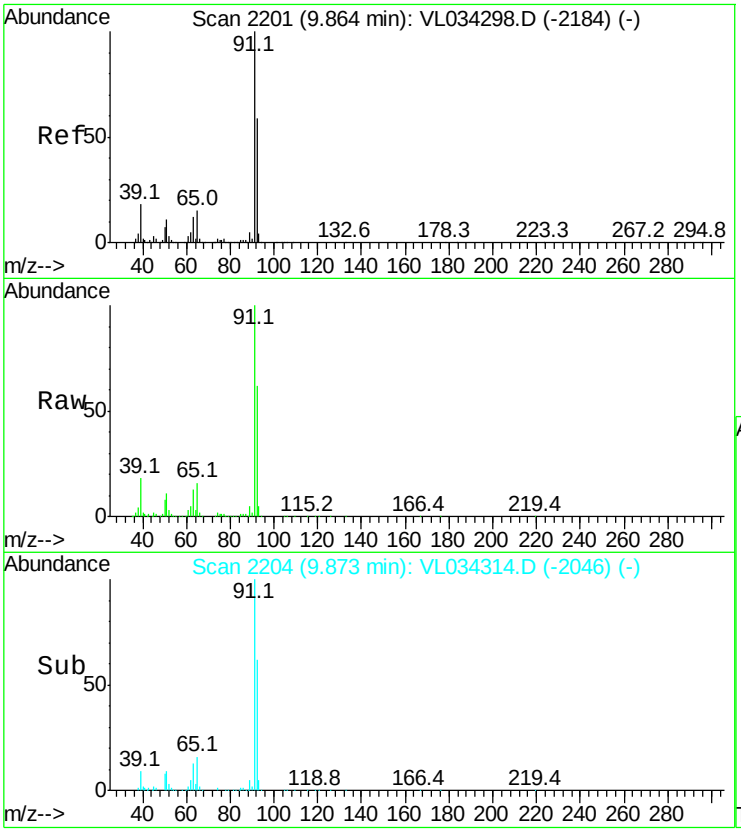


#52
Tetrachloroethene
Concen: 5.489 ppbv
RT: 11.30 min Scan# 2648
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:164 Resp: 448380

Ion	Ratio	Lower	Upper
164	100		
166	120.3	95.3	142.9
129	98.9	84.5	126.7
131	97.3	77.3	115.9



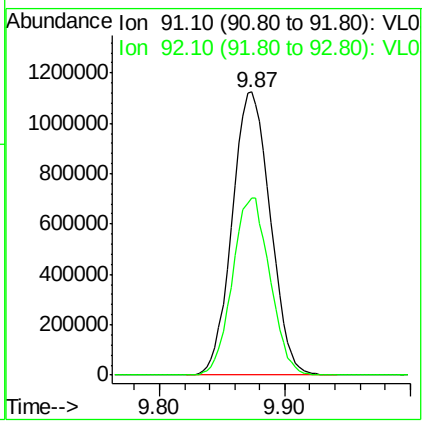


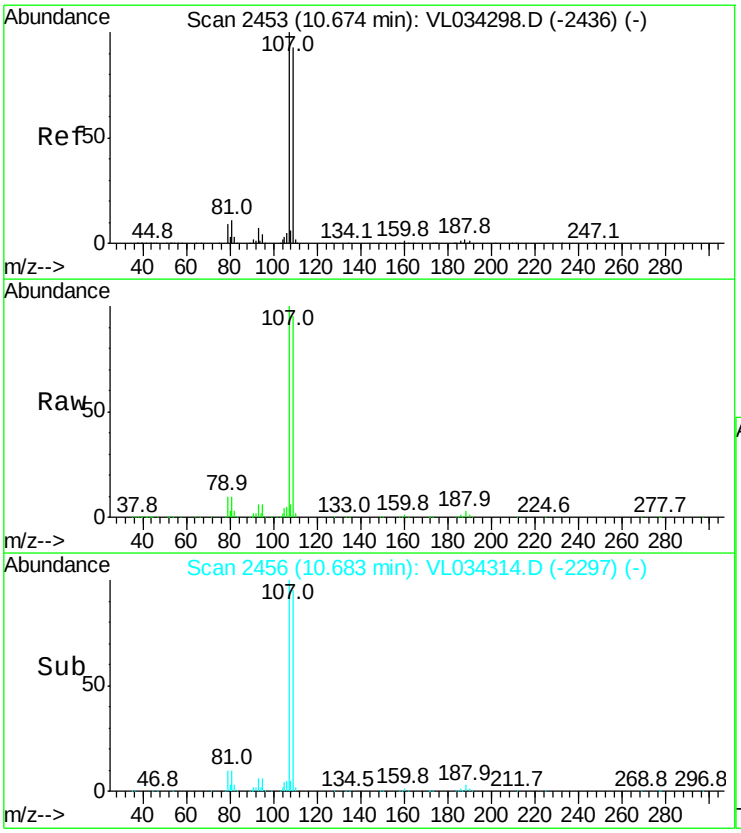
#53
Toluene
Concen: 10.308 ppbv
RT: 9.87 min Scan# 2204
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2370414

Ion	Ratio	Lower	Upper
91	100		
92	61.8	48.4	72.6

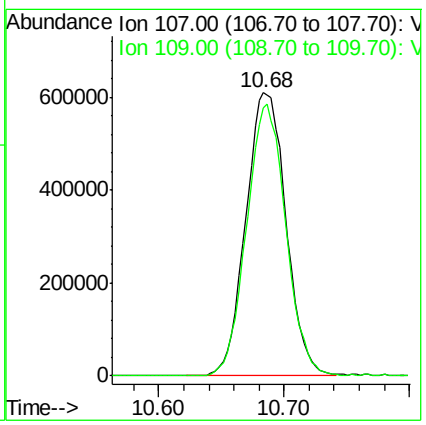


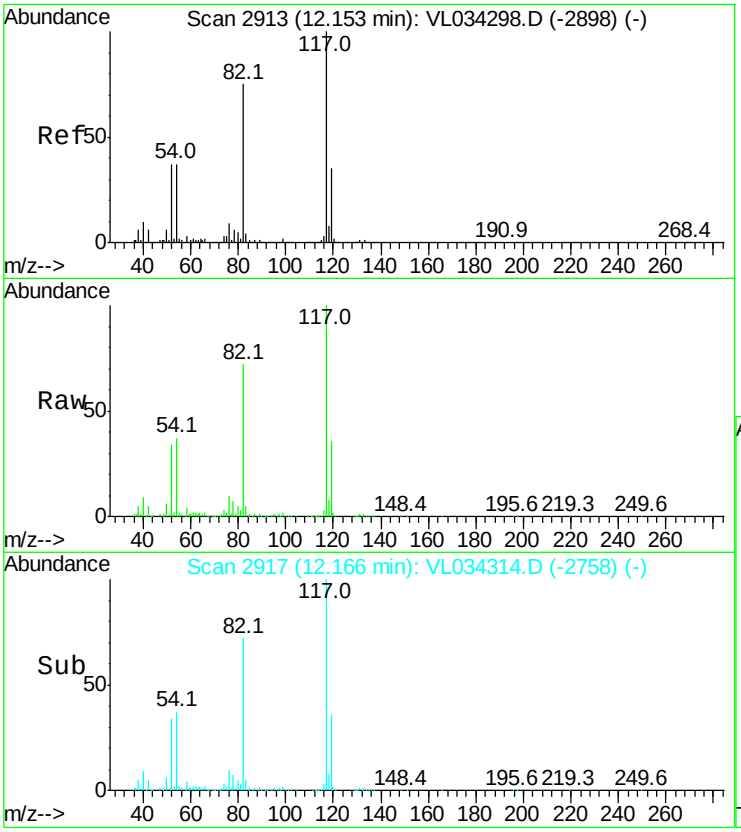


#54
1,2-Dibromoethane
Concen: 10.075 ppbv
RT: 10.68 min Scan# 2456
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:107 Resp: 1357134

Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.6	112.0



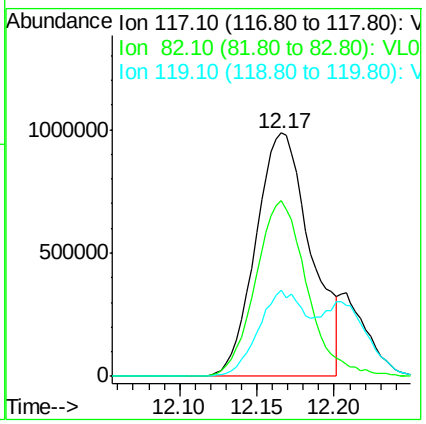


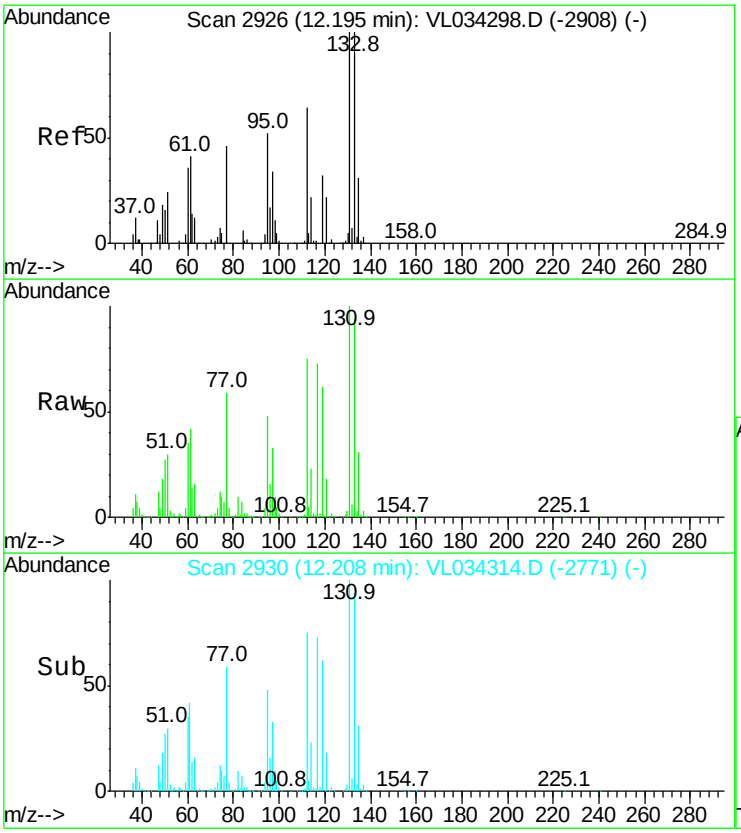
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 2439906

Ion	Ratio	Lower	Upper
117	100		
82	67.9	55.5	83.3
119	31.5	26.5	39.7

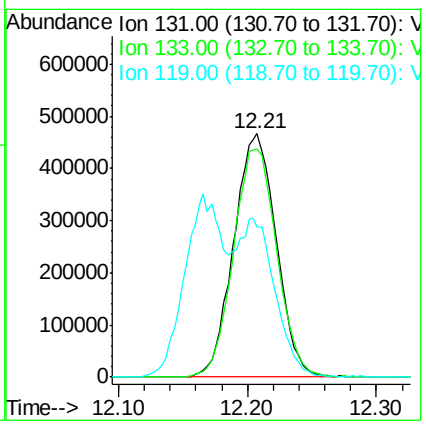


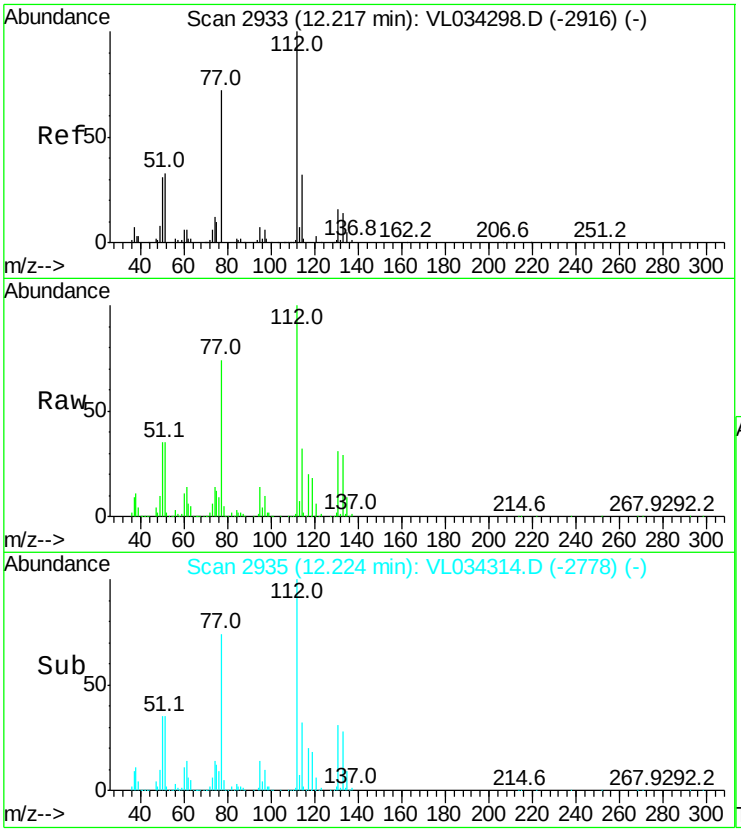


#56
1,1,1,2-Tetrachloroethane
Concen: 9.448 ppbv
RT: 12.21 min Scan# 2930
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:131 Resp: 1062342

Ion	Ratio	Lower	Upper
131	100		
133	96.5	77.1	115.7
119	56.5	49.0	73.4



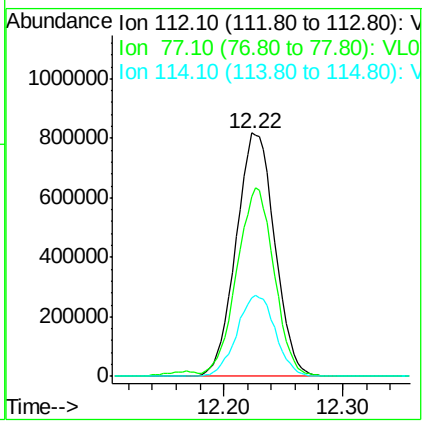


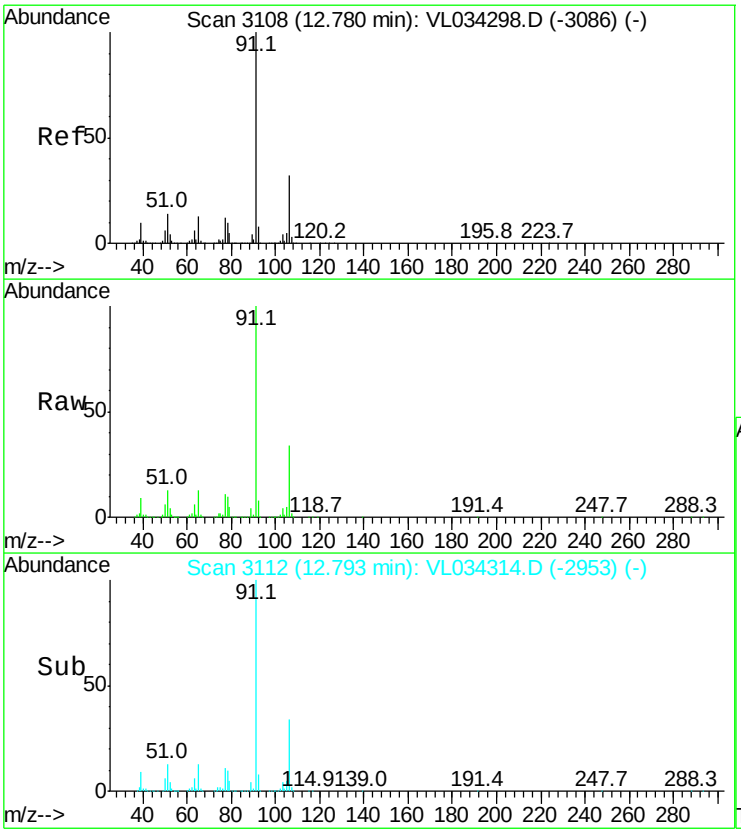
#57
Chlorobenzene
Concen: 9.031 ppbv
RT: 12.22 min Scan# 2935
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 1838330

Ion	Ratio	Lower	Upper
112	100		
77	73.6	58.6	88.0
114	31.9	28.6	35.0

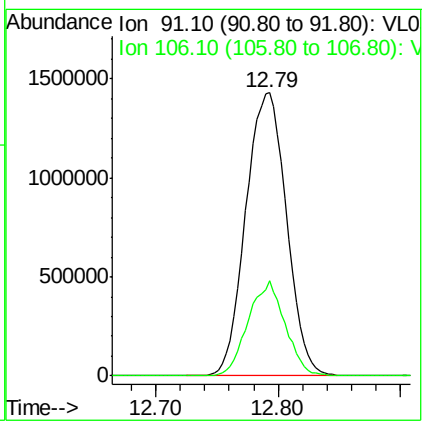


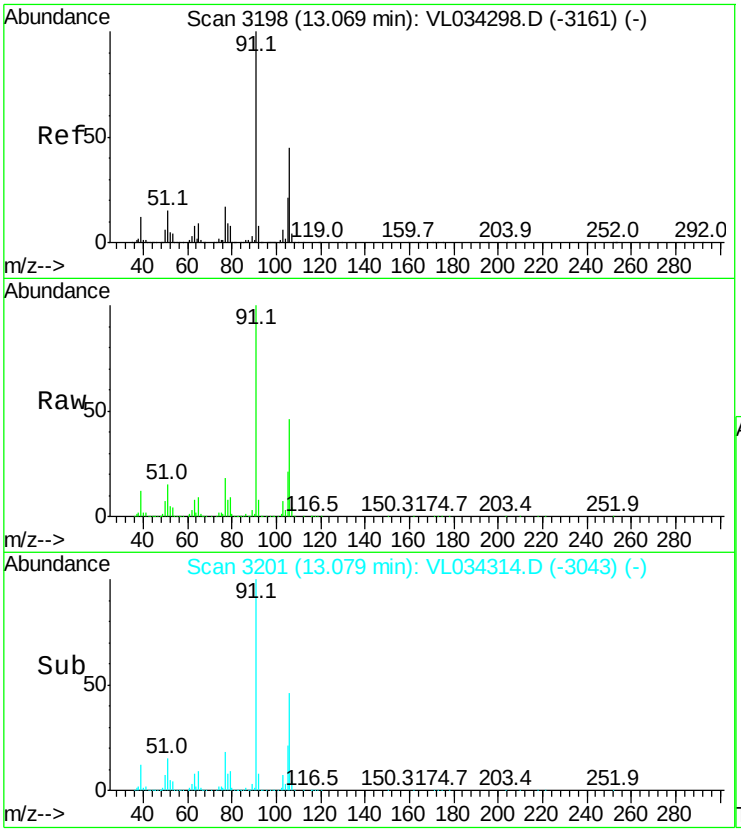


#58
Ethyl Benzene
Concen: 9.661 ppbv
RT: 12.79 min Scan# 3112
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 91 Resp: 3294954

Ion	Ratio	Lower	Upper
91	100		
106	33.5	25.3	37.9



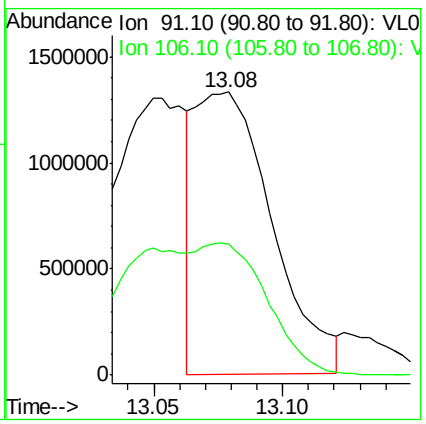


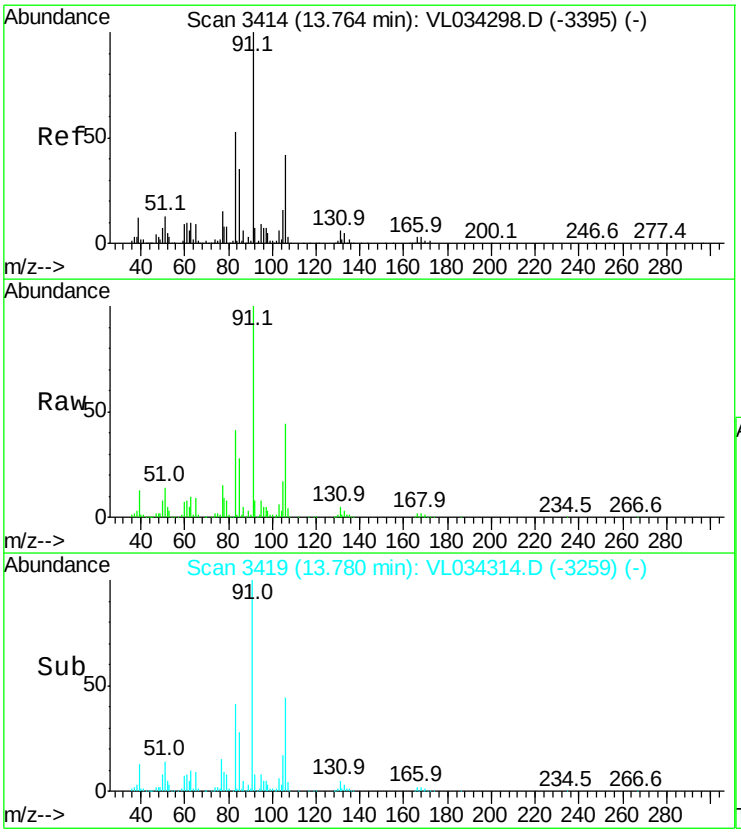
#59
m/p-Xylene
Concen: 9.325 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2755560

Ion	Ratio	Lower	Upper
91	100		
106	89.1	35.4	53.2#

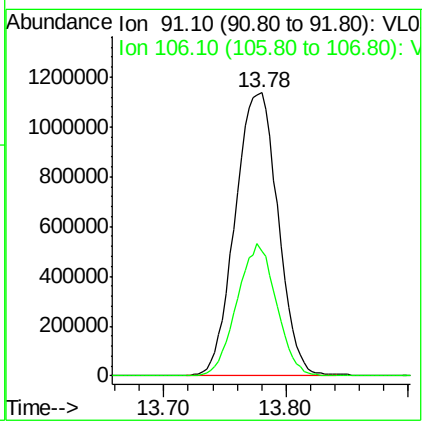


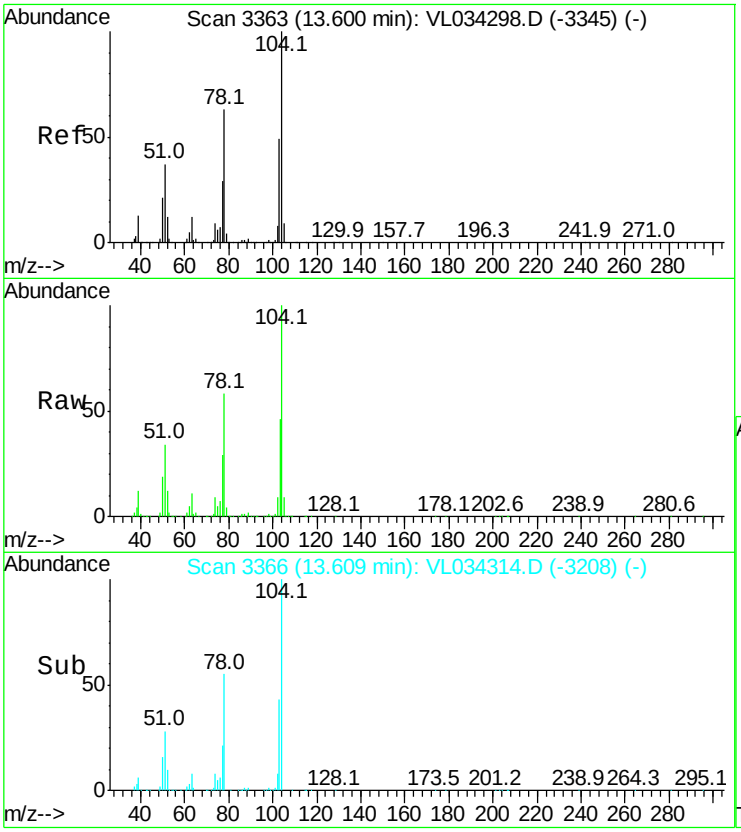


#60
o-Xylene
Concen: 9.394 ppbv
RT: 13.78 min Scan# 3419
Delta R.T. 0.02 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 91 Resp: 2764454

Ion	Ratio	Lower	Upper
91	100		
106	43.0	21.6	64.6



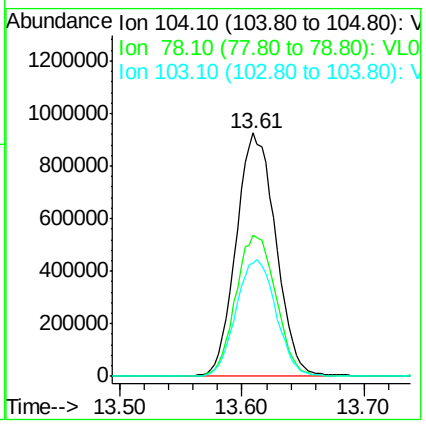


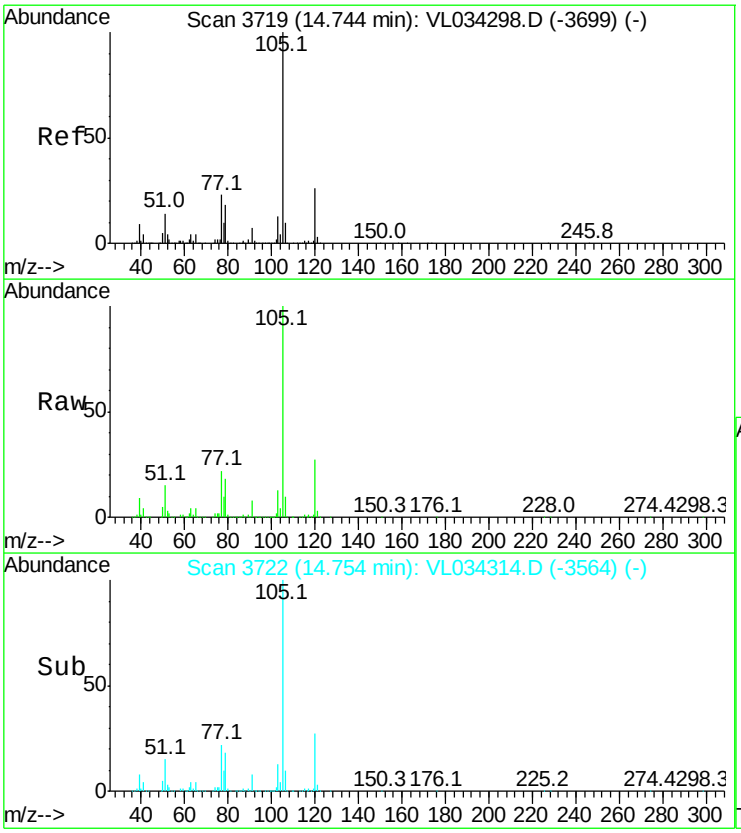
#61
Styrene
Concen: 9.991 ppbv
RT: 13.61 min Scan# 3366
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:104 Resp: 2069789

Ion	Ratio	Lower	Upper
104	100		
78	58.9	47.8	71.8
103	48.5	39.0	58.6

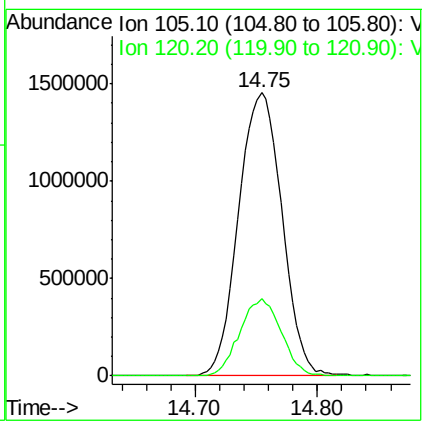


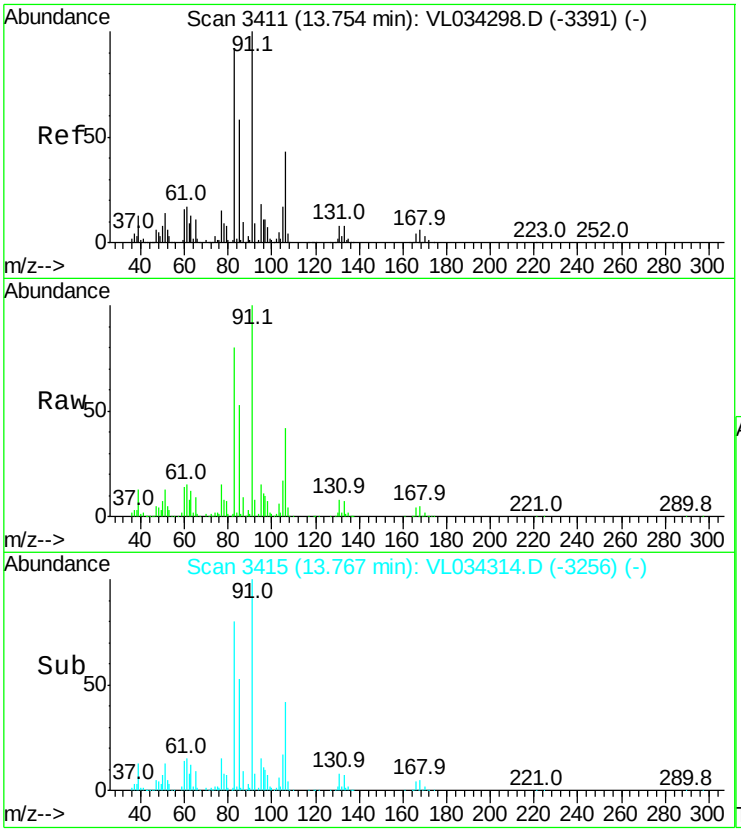


#62
Isopropylbenzene
Concen: 9.199 ppbv
RT: 14.75 min Scan# 3722
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:105 Resp: 3573389

Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.8	31.2



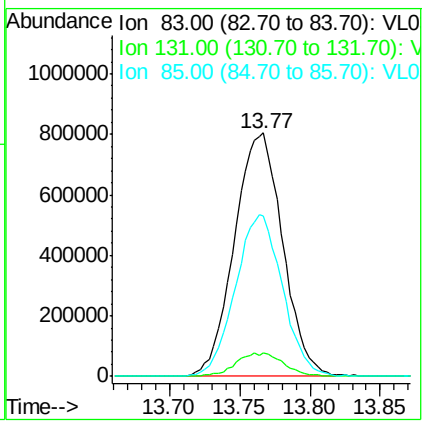


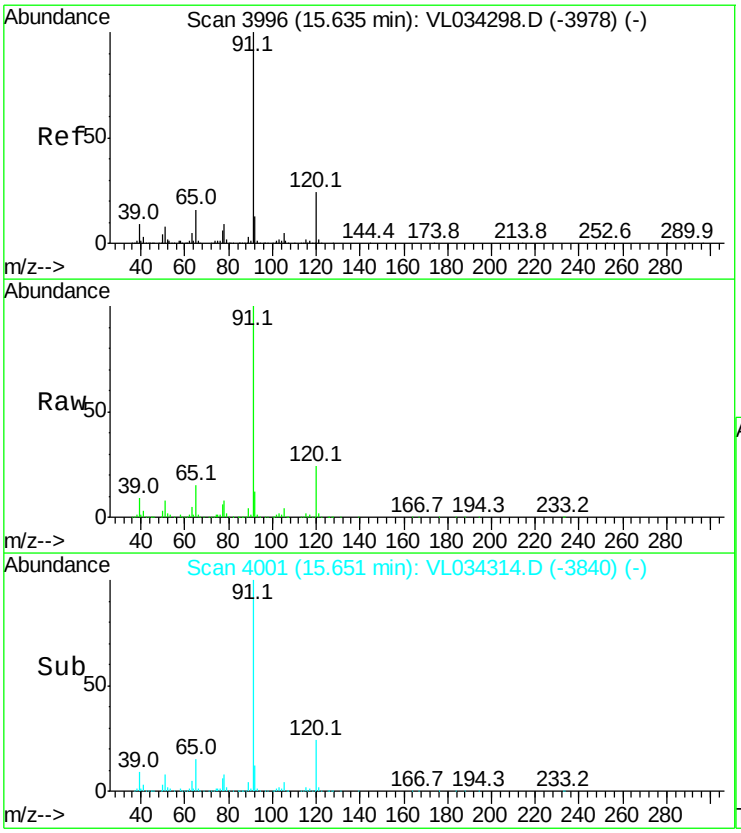
#63
1,1,2,2-Tetrachloroethane
Concen: 8.090 ppbv
RT: 13.77 min Scan# 3415
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1913023

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	65.5	32.5	97.4

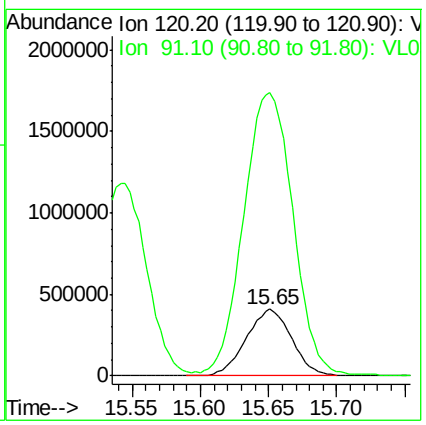


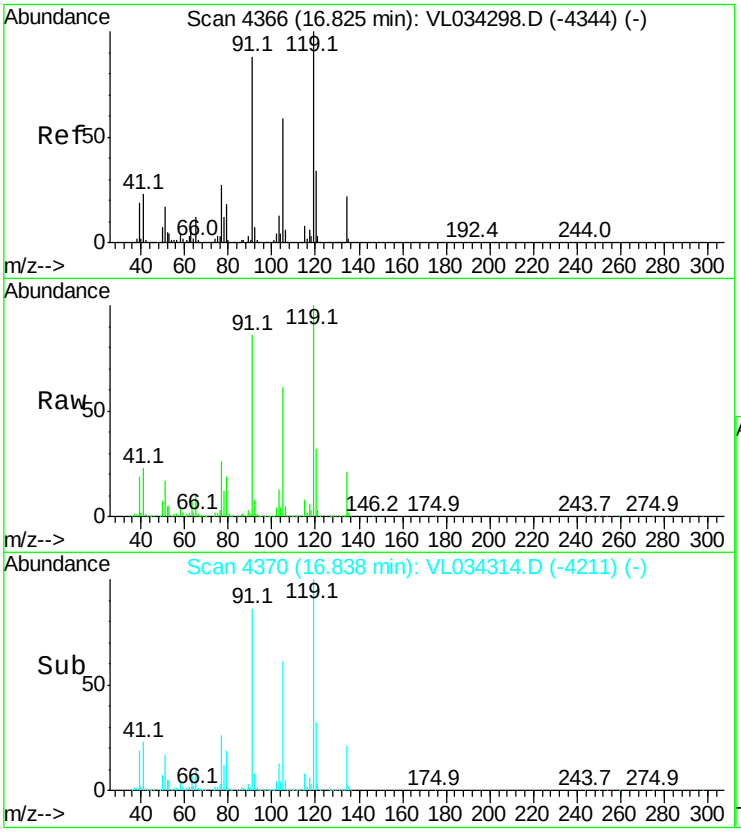


#64
n-propylbenzene
Concen: 9.496 ppbv
RT: 15.65 min Scan# 4001
Delta R.T. 0.02 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:120 Resp: 946670

Ion	Ratio	Lower	Upper
120	100		
91	463.6	374.9	562.3



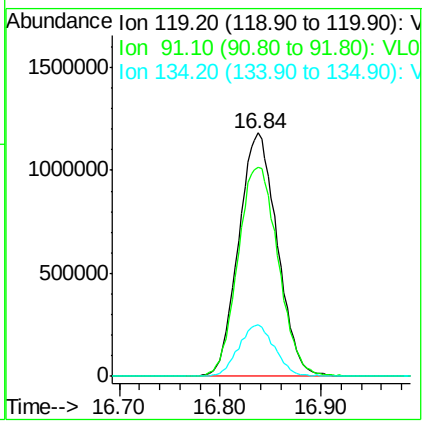


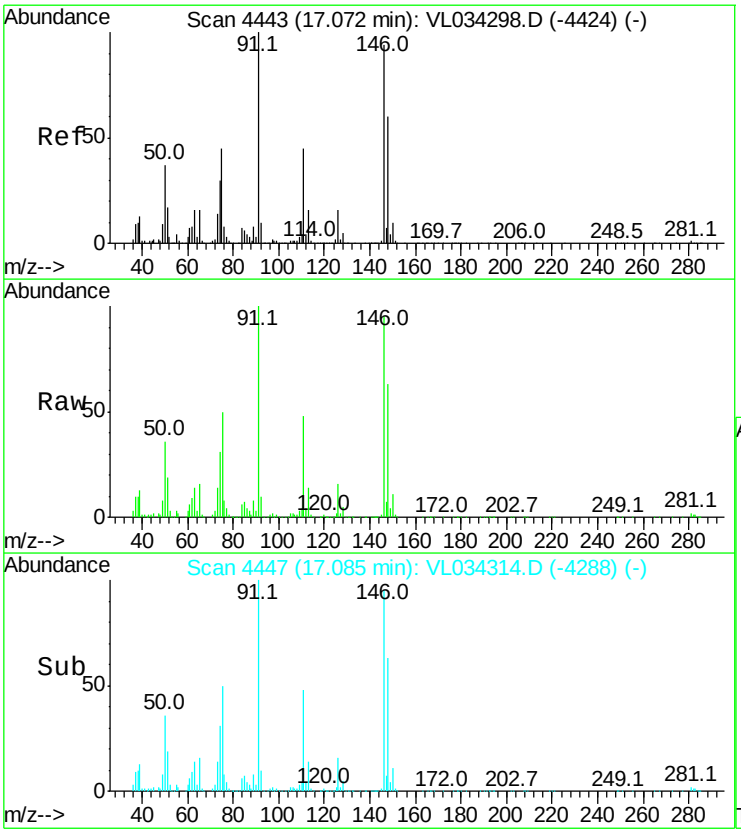
#65
tert-Butylbenzene
Concen: 9.091 ppbv
RT: 16.84 min Scan# 4370
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 3130067

Ion	Ratio	Lower	Upper
119	100		
91	90.1	71.4	107.0
134	19.9	15.9	23.9

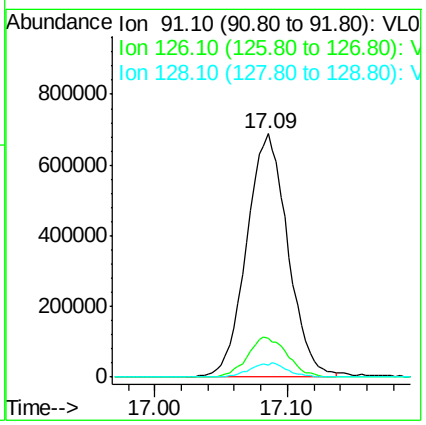


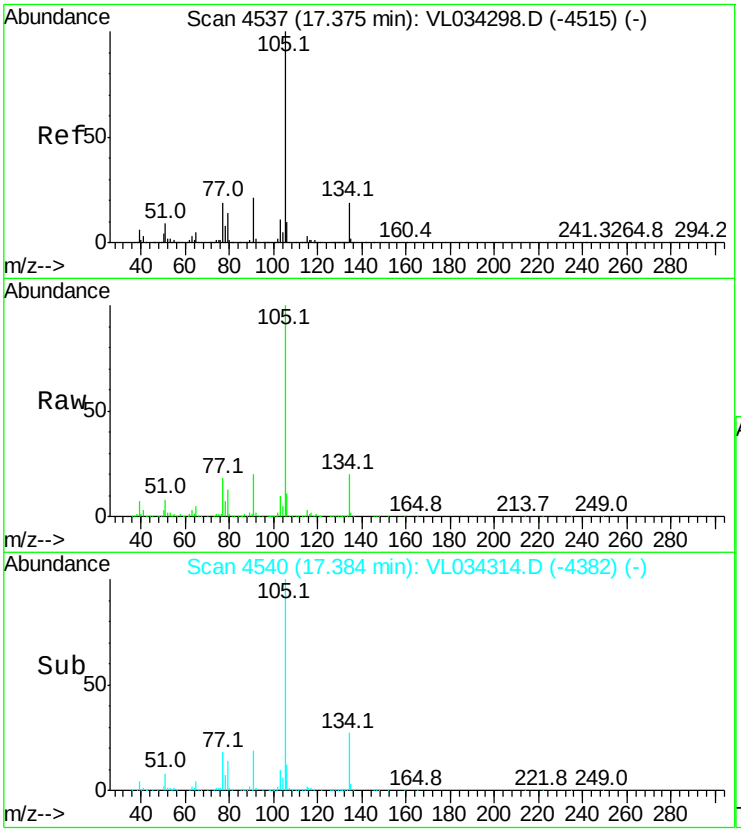


#66
Benzyl Chloride
Concen: 10.952 ppbv
RT: 17.09 min Scan# 4447
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 91 Resp: 1489216

Ion	Ratio	Lower	Upper
91	100		
126	16.1	12.9	19.3
128	5.3	4.3	6.5



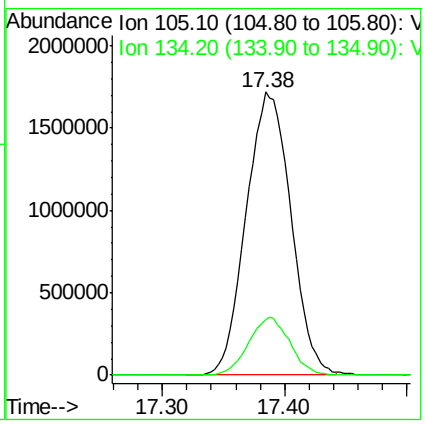


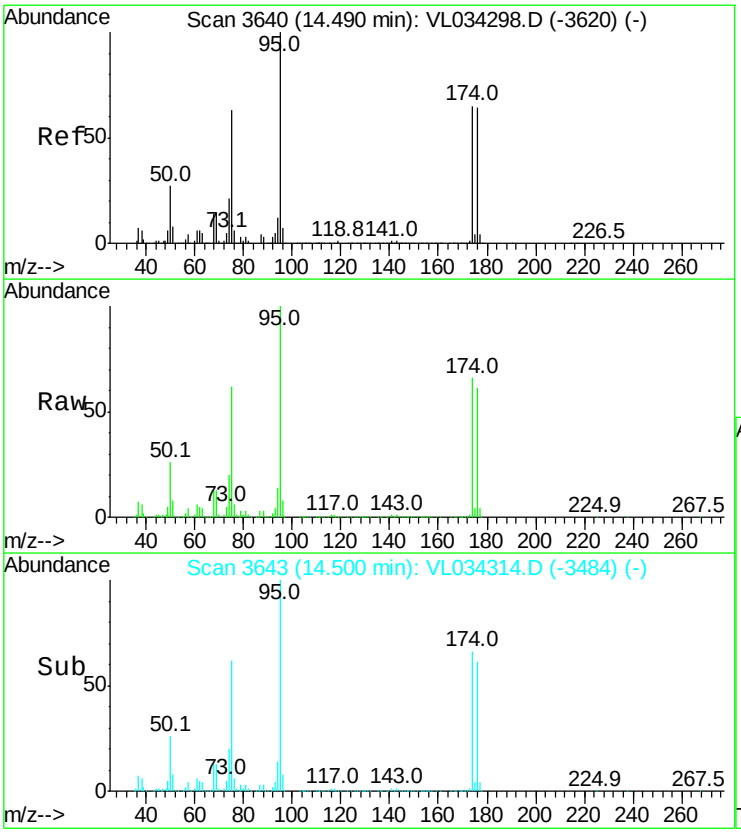
#67
sec-Butylbenzene
Concen: 9.013 ppbv
RT: 17.38 min Scan# 4540
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:105 Resp: 4366669

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.4	23.0

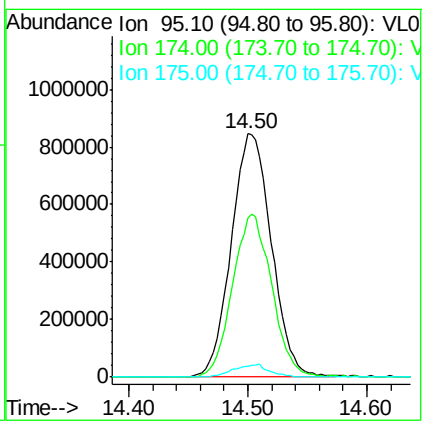


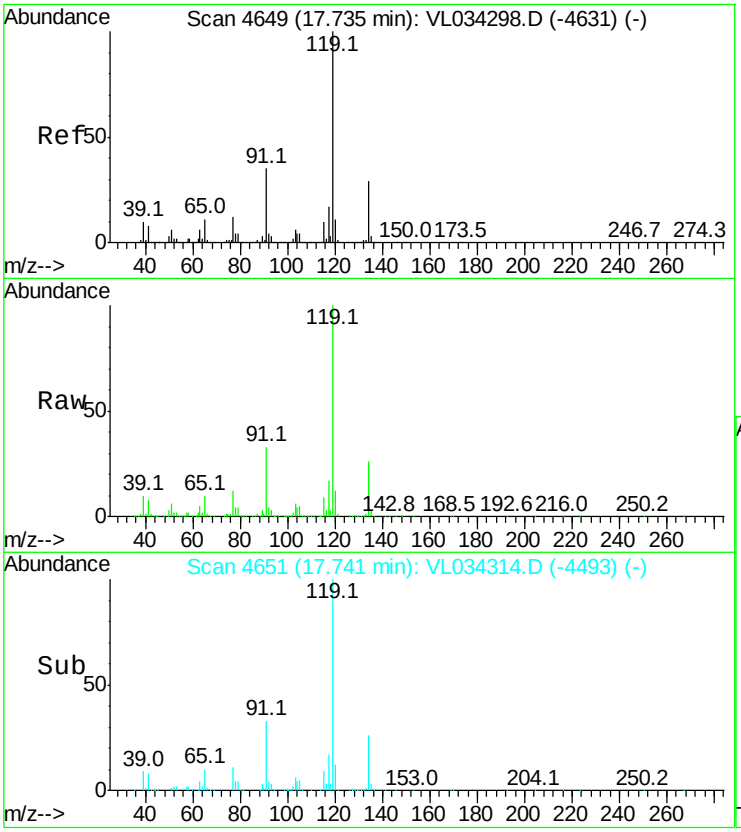


#68
1-Bromo-4-Fluorobenzene
Concen: 9.543 ppbv
RT: 14.50 min Scan# 3643
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 95 Resp: 1971962

Ion	Ratio	Lower	Upper
95	100		
174	65.8	52.6	78.8
175	4.8	3.8	5.6



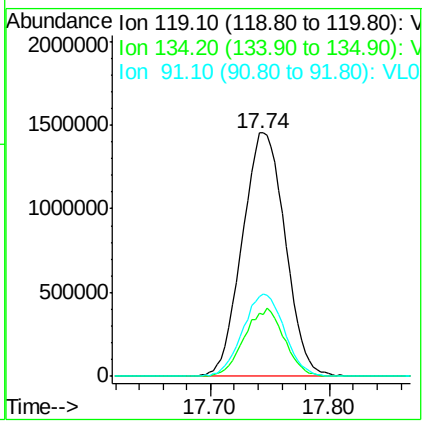


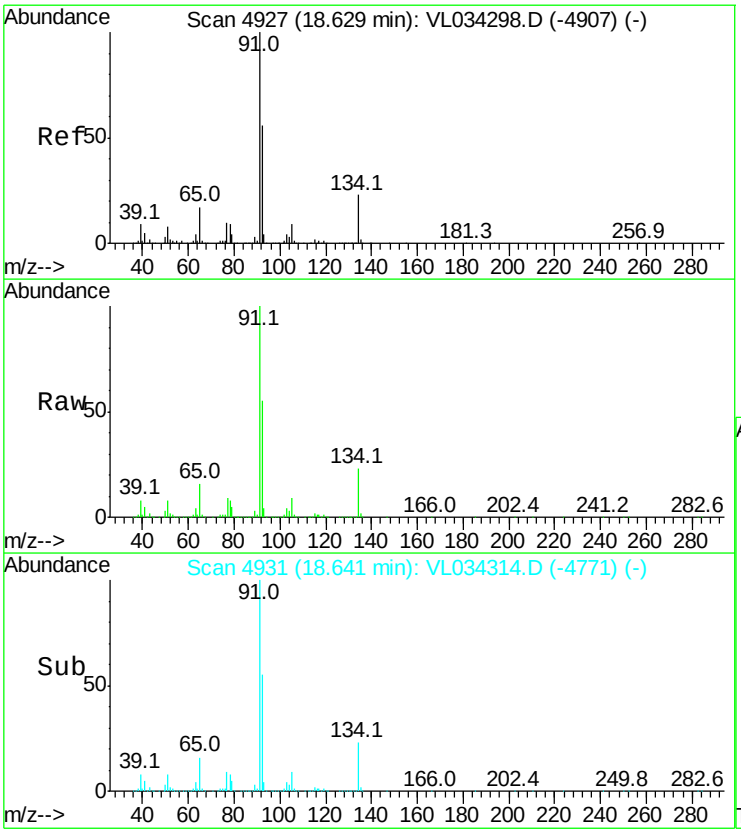
#69
p-Isopropyltoluene
Concen: 9.181 ppbv
RT: 17.74 min Scan# 4651
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 3626480

Ion	Ratio	Lower	Upper
119	100		
134	26.1	21.3	31.9
91	32.9	26.6	39.8

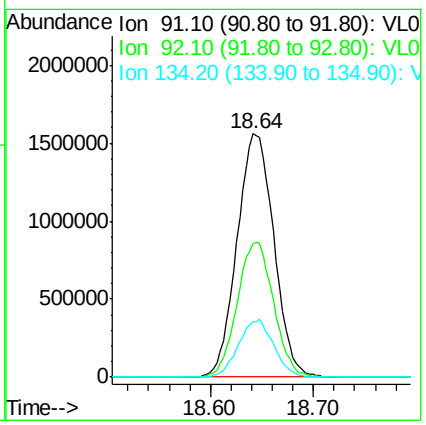


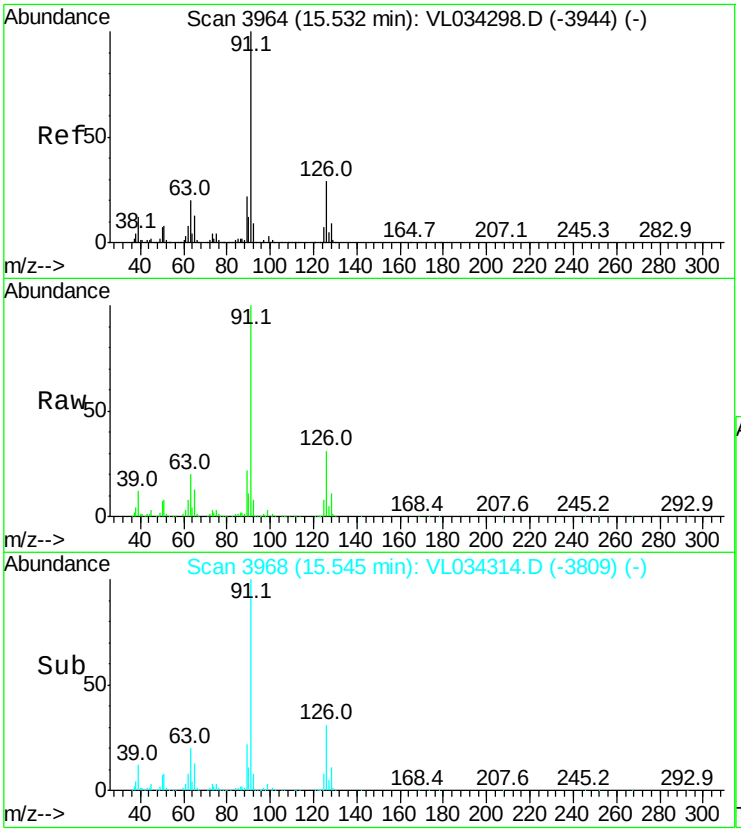


#70
n-Butylbenzene
Concen: 9.012 ppbv
RT: 18.64 min Scan# 4931
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion: 91 Resp: 3872969

Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.5	66.7
134	22.5	18.2	27.2



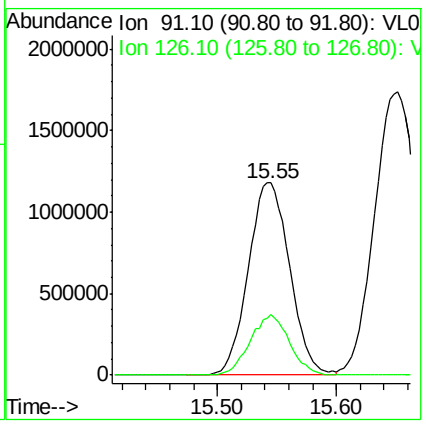


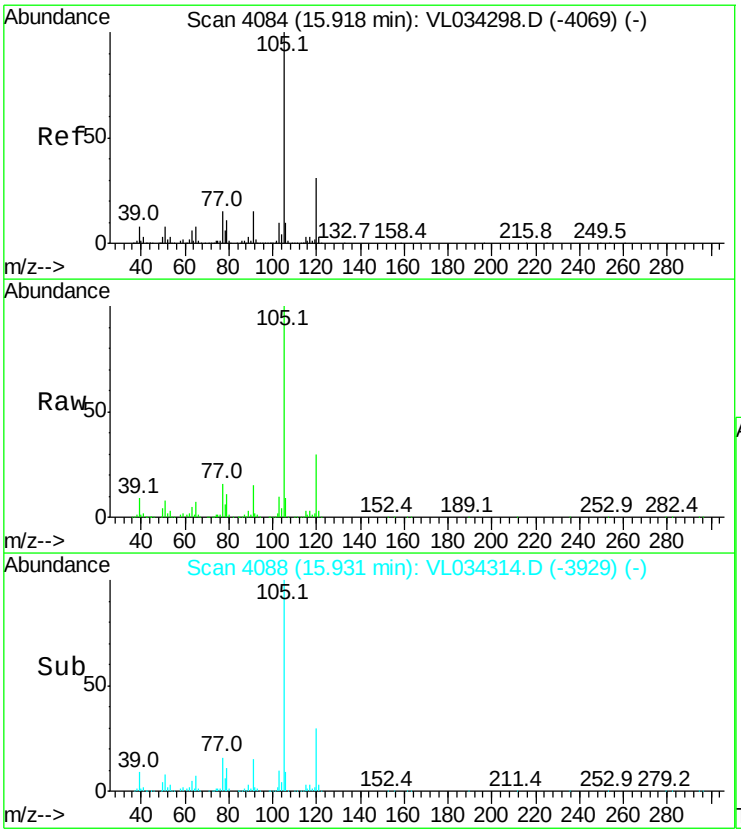
#71
2-Chlorotoluene
Concen: 9.418 ppbv
RT: 15.55 min Scan# 3968
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2836636

Ion	Ratio	Lower	Upper
91	100		
126	29.7	11.9	47.5

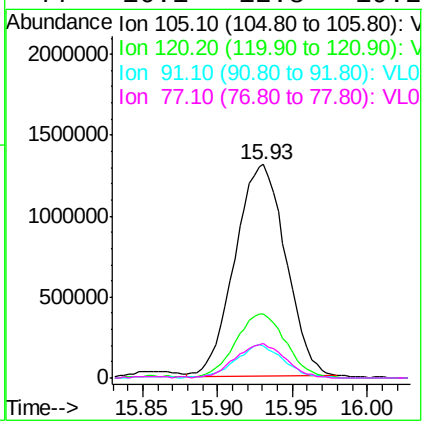


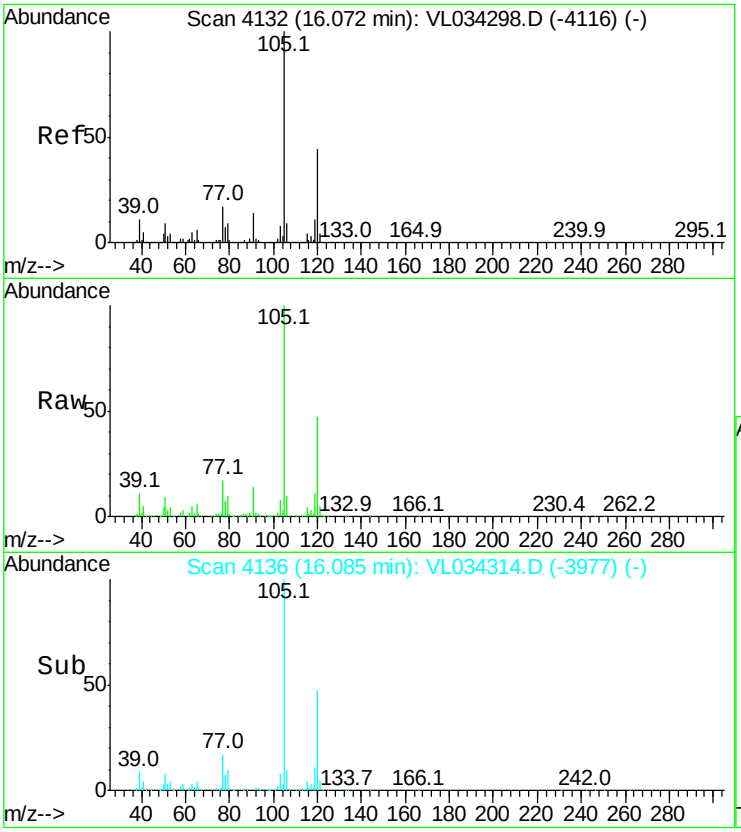


#72
4-Ethyltoluene
Concen: 9.388 ppbv
RT: 15.93 min Scan# 4088
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:105 Resp: 3105400

Ion	Ratio	Lower	Upper
105	100		
120	30.2	23.8	35.8
91	14.6	11.2	16.8
77	16.1	12.8	19.2



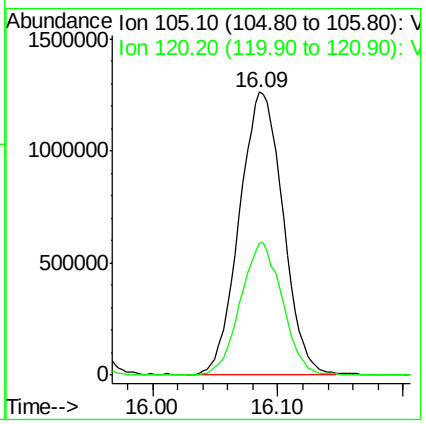


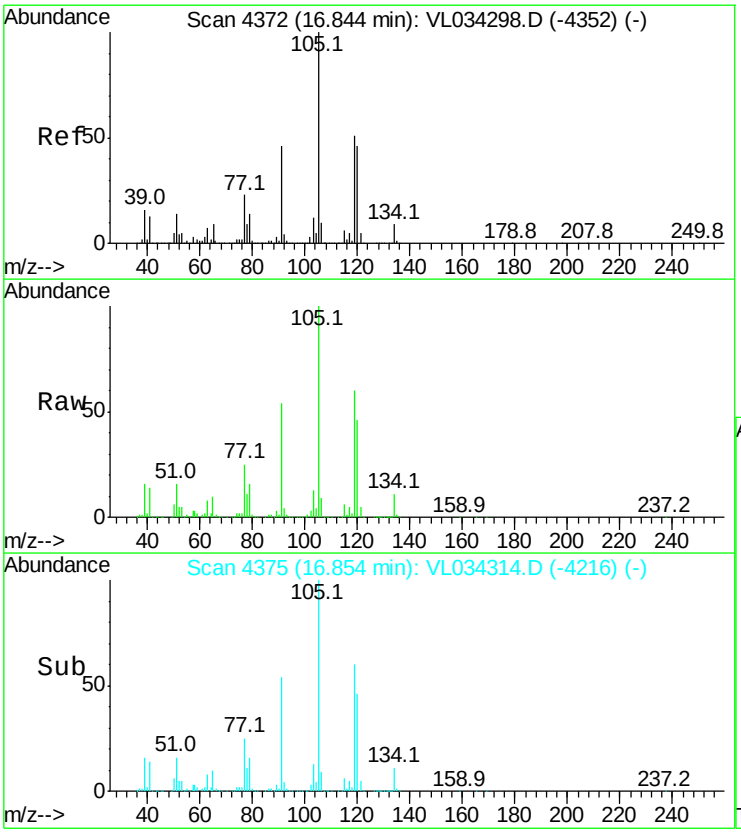
#73
1,3,5-Trimethylbenzene
Concen: 9.277 ppbv
RT: 16.09 min Scan# 4136
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 3040494

Ion	Ratio	Lower	Upper
105	100		
120	46.7	35.2	52.8

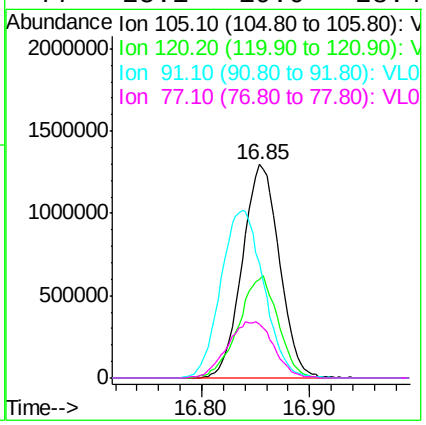


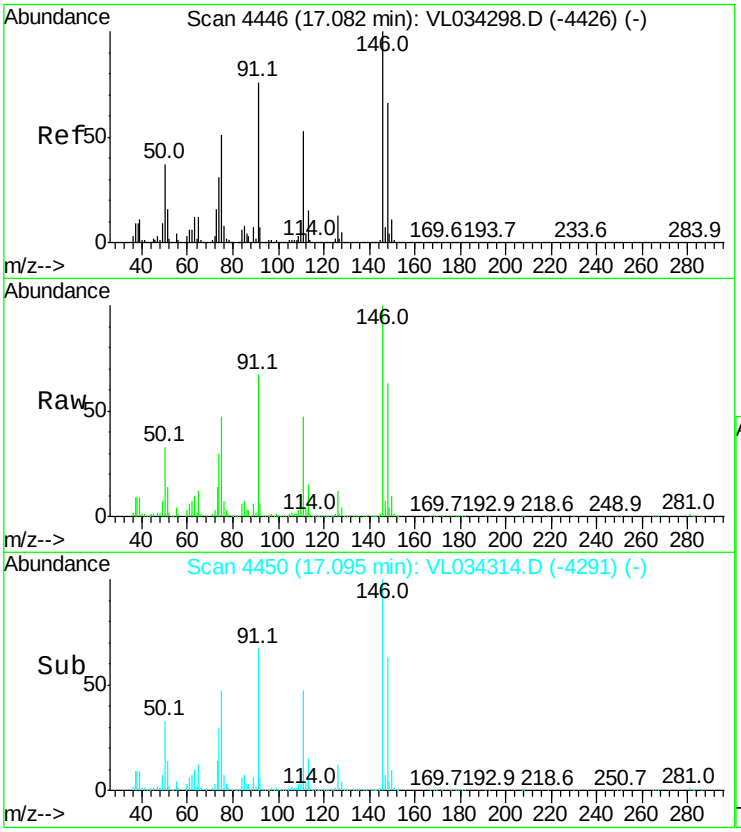


#74
1,2,4-Trimethylbenzene
Concen: 9.079 ppbv
RT: 16.85 min Scan# 4375
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:105 Resp: 3103087

Ion	Ratio	Lower	Upper
105	100		
120	46.1	37.0	55.6
91	53.9	38.2	57.2
77	25.1	19.0	28.4



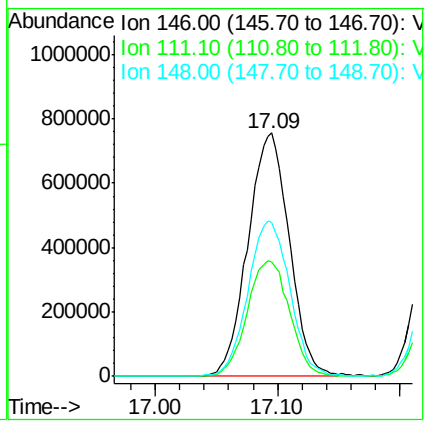


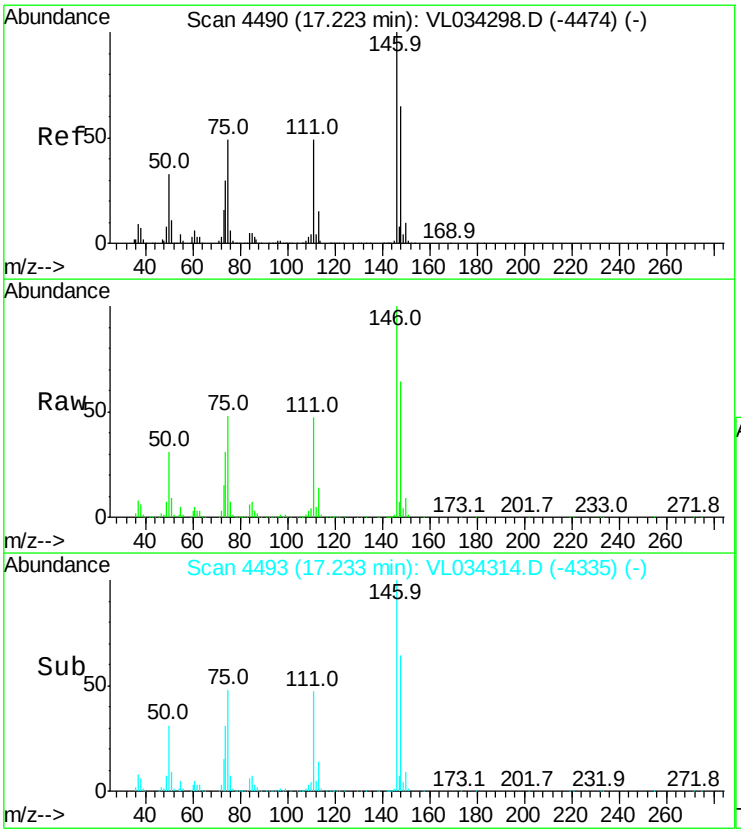
#75
1,3-Dichlorobenzene
Concen: 8.630 ppbv
RT: 17.09 min Scan# 4450
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1770936

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.5	73.5
148	64.9	32.3	96.8

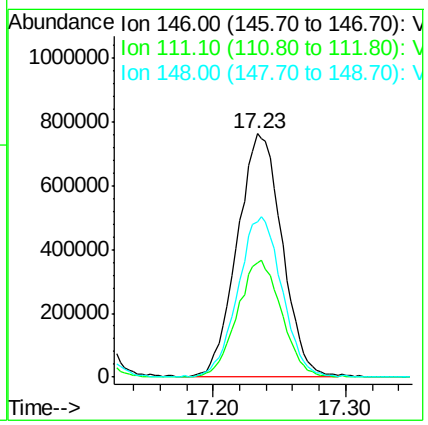


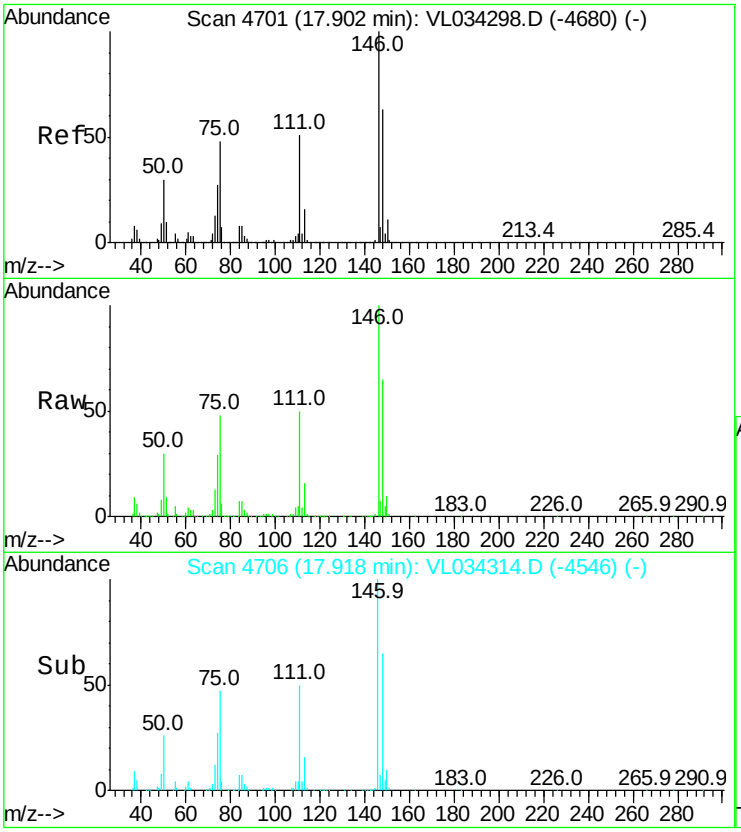


#76
1,4-Dichlorobenzene
Concen: 8.858 ppbv
RT: 17.23 min Scan# 4493
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:146 Resp: 1775471

Ion	Ratio	Lower	Upper
146	100		
111	47.8	23.9	71.7
148	65.9	33.1	99.2



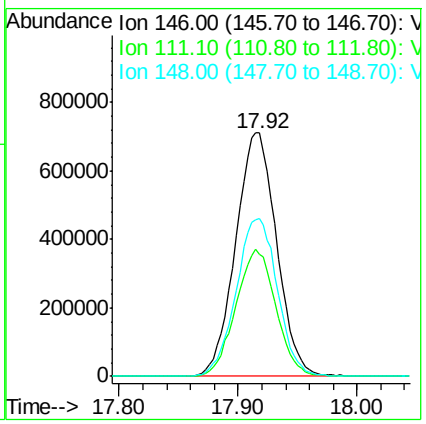


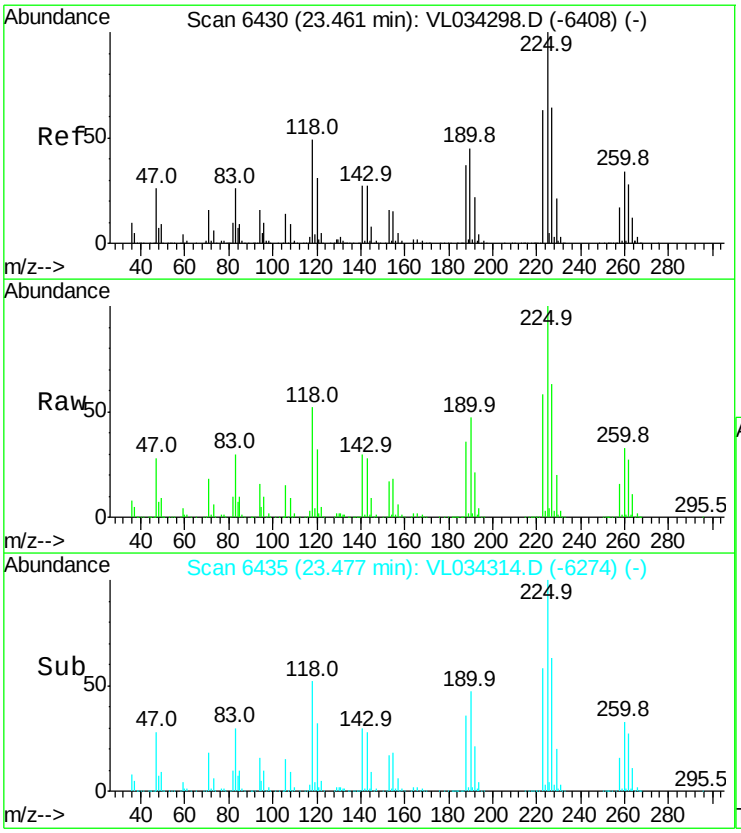
#77
1,2-Dichlorobenzene
Concen: 8.407 ppbv
RT: 17.92 min Scan# 4706
Delta R.T. 0.02 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1691354

Ion	Ratio	Lower	Upper
146	100		
111	51.1	25.1	75.3
148	65.7	32.3	96.8

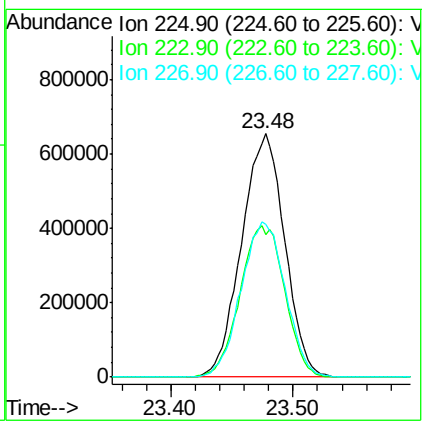


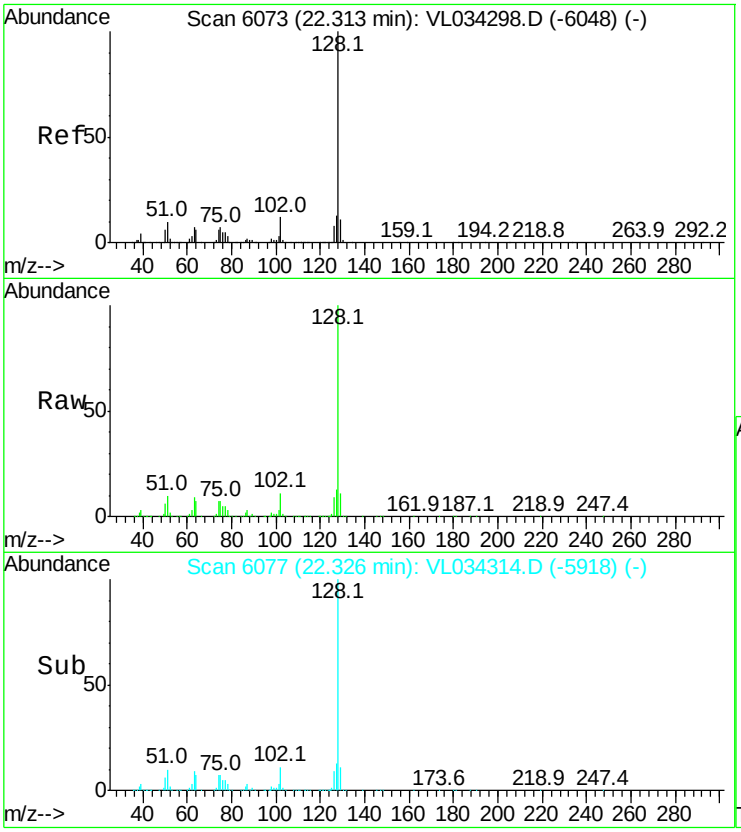


#78
Hexachloro-1,3-Butadiene
Concen: 9.620 ppbv
RT: 23.48 min Scan# 6435
Delta R.T. 0.02 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:225 Resp: 1601011

Ion	Ratio	Lower	Upper
225	100		
223	64.4	50.8	76.2
227	65.4	51.5	77.3



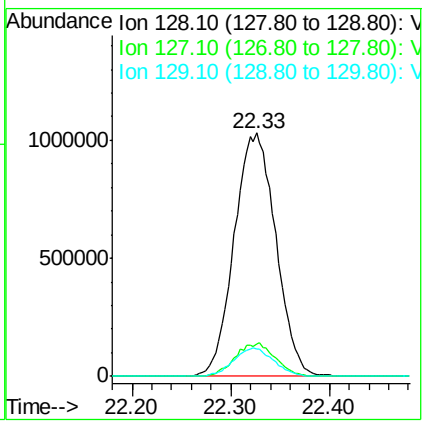


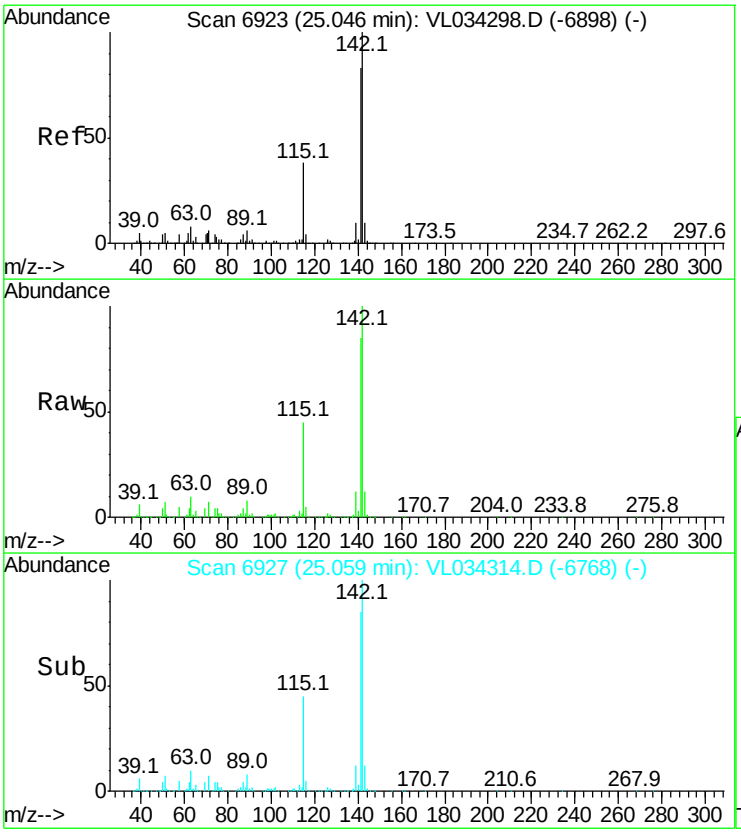
#79
Naphthalene
Concen: 12.040 ppbv
RT: 22.33 min Scan# 6077
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 3005873

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.2	8.9	13.3

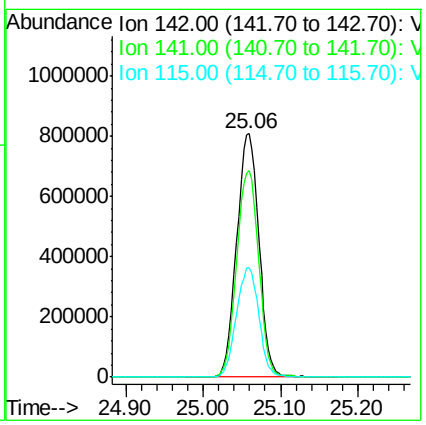


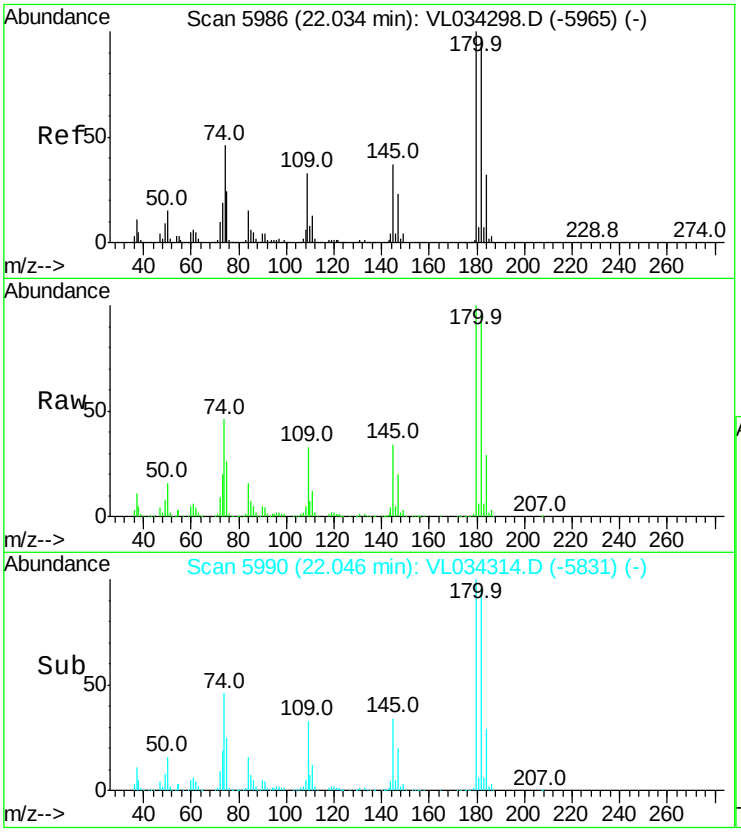


#80
Naphthalene,2-methyl-
Concen: 22.176 ppbv
RT: 25.06 min Scan# 6927
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Tgt Ion:142 Resp: 1600397

Ion	Ratio	Lower	Upper
142	100		
141	84.6	65.7	98.5
115	45.1	30.9	46.3





#81
1,2,4-Trichlorobenzene
Concen: 10.686 ppbv
RT: 22.05 min Scan# 5990
Delta R.T. 0.01 min
Lab File: VL034314.D
Acq: 17 Oct 2019 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1742589

Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.8	116.8
184	31.1	25.4	38.2