Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
Data File : VL034296.D
Acq On : 15 Oct 2019 00:37
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Oct 15 06:43:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	997916	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1718769	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.16	117	1872732	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1603285	9.85	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1726464	11.712	ppbv	97
3) Chlorodifluoromethane	2.97	51	1119608	9.569	ppbv	99
4) Chloromethane	3.12	50	650497	9.461	ppbv	99
5) Vinyl Chloride	3.24	62	587957	9.357	ppbv	97
6) Bromomethane	3.46	94	294487	10.045	ppbv	97
7) Chloroethane	3.55	64	221857	10.101	ppbv	92
8) Dichlorotetrafluoroethane	3.17	85	1286489	9.889	ppbv	99
9) Propene	2.99	41	510993	8.852	ppbv	98
10) Heptane	8.17	43	1369336	9.102	ppbv	99
11) Trichlorofluoromethane	3.94	101	1416045	10.554	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	928557	10.575	ppbv	100
13) Ethanol	3.60	45	111802	7.998	ppbv	96
14) Bromoethene	3.73	108	377695	10.521	ppbv	99
15) Acetone	3.84	43	1193650	8.925	ppbv	97
16) 1,3-Butadiene	3.31	39	586473	10.048	ppbv	99
17) tert-Butyl alcohol	4.30	59	835751	9.862	ppbv	100
18) 1,1-Dichloroethene	4.29	96	412551	10.772	ppbv	97
19) Isopropyl Alcohol	3.97	45	755573	9.187	ppbv	99
20) Methylene Chloride	4.35	84	382873	9.929	ppbv	97
21) Allyl Chloride	4.41	41	802647	10.625	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	424837	11.087	ppbv	98
23) Vinyl Acetate	5.09	43	1845981	9.366	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1259194	9.488	ppbv	100
25) Ethyl Acetate	5.70	43	2330407	9.214	ppbv	99
26) Hexane	5.71	57	957569	9.102	ppbv	97
27) Carbon Disulfide	4.56	76	1113326	11.474	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1478713	9.464	ppbv	98
29) Chloroform	5.78	83	1458686	9.703	ppbv	99
30) Cyclohexane	7.17	84	715412	9.419	ppbv	97
31) cis-1,2-Dichloroethene	5.57	61	1015535	9.469	ppbv	97
32) 1,1,1-Trichloroethane	6.55	97	1421944	9.807	ppbv	99
34) 2-Butanone	5.26	43	1564253	8.913	ppbv	98
35) Carbon Tetrachloride	7.06	117	1453052	10.176	ppbv	98
36) Benzene	6.93	78	1729068	9.109	ppbv	99
37) 1,2-Dichloroethane	6.34	62	1338856	9.916	ppbv	98
38) Trichloroethene	7.89	130	604142	8.907	ppbv	96
39) 1,2-Dichloropropane	7.66	63	748538	8.776	ppbv	98
40) 1,4-Dioxane	7.87	88	252678	9.155	ppbv #	90
41) Tetrahydrofuran	6.08	42	890058	9.005	ppbv	99
42) Bromodichloromethane	7.84	83	1619274	9.993	ppbv	99
43) Methyl Methacrylate	8.06	69	751230	9.580	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
Data File : VL034296.D
Acq On : 15 Oct 2019 00:37
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Oct 15 06:43:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3281748	8.980	ppbv		99
45) t-1,3-Dichloropropene	9.34	75	1016106	10.959	ppbv		97
46) cis-1,3-Dichloropropene	8.76	75	1131054	10.141	ppbv		99
47) 1,1,2-Trichloroethane	9.53	97	702275	9.170	ppbv		96
48) Dibromochloromethane	10.37	129	1233602	10.162	ppbv		100
49) Bromoform	13.12	173	1011570	10.298	ppbv		99
50) 4-Methyl-2-Pentanone	8.79	43	2340451	9.164	ppbv		97
51) 2-Hexanone	10.19	43	1925966	8.985	ppbv	#	99
52) Tetrachloroethene	11.29	164	533306	8.503	ppbv		96
53) Toluene	9.86	91	1923039	9.269	ppbv		98
54) 1,2-Dibromoethane	10.68	107	1072920	9.420	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.19	131	810592	9.706	ppbv		98
57) Chlorobenzene	12.22	112	1415714	8.683	ppbv		98
58) Ethyl Benzene	12.78	91	2680315	8.870	ppbv		98
59) m/p-Xylene	13.06	91	2389305	9.547	ppbv	#	46
60) o-Xylene	13.76	91	2244030	8.967	ppbv		99
61) Styrene	13.60	104	1598881	8.919	ppbv		100
62) Isopropylbenzene	14.74	105	2896069	8.939	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.75	83	1640795	7.995	ppbv		100
64) n-propylbenzene	15.64	120	728783	8.892	ppbv		90
65) tert-Butylbenzene	16.82	119	2466269	8.712	ppbv		99
66) Benzyl Chloride	17.07	91	1203860	12.021	ppbv		98
67) sec-Butylbenzene	17.37	105	3596496	8.885	ppbv		99
69) p-Isopropyltoluene	17.73	119	2894804	8.832	ppbv		99
70) n-Butylbenzene	18.63	91	3333634	8.735	ppbv		97
71) 2-Chlorotoluene	15.53	91	2318756	8.760	ppbv		99
72) 4-Ethyltoluene	15.91	105	2533606	8.961	ppbv		99
73) 1,3,5-Trimethylbenzene	16.08	105	2426242	8.882	ppbv		100
74) 1,2,4-Trimethylbenzene	16.84	105	2475640	8.536	ppbv		97
75) 1,3-Dichlorobenzene	17.08	146	1323479	8.505	ppbv		100
76) 1,4-Dichlorobenzene	17.22	146	1322659	8.299	ppbv		98
77) 1,2-Dichlorobenzene	17.90	146	1321006	8.387	ppbv		99
78) Hexachloro-1,3-Butadiene	23.46	225	976502	9.360	ppbv		99
79) Naphthalene	22.31	128	2102688	8.235	ppbv		98
80) Naphthalene,2-methyl-	25.04	142	816928	6.880	ppbv		99
81) 1,2,4-Trichlorobenzene	22.03	180	1153491	8.155	ppbv		98

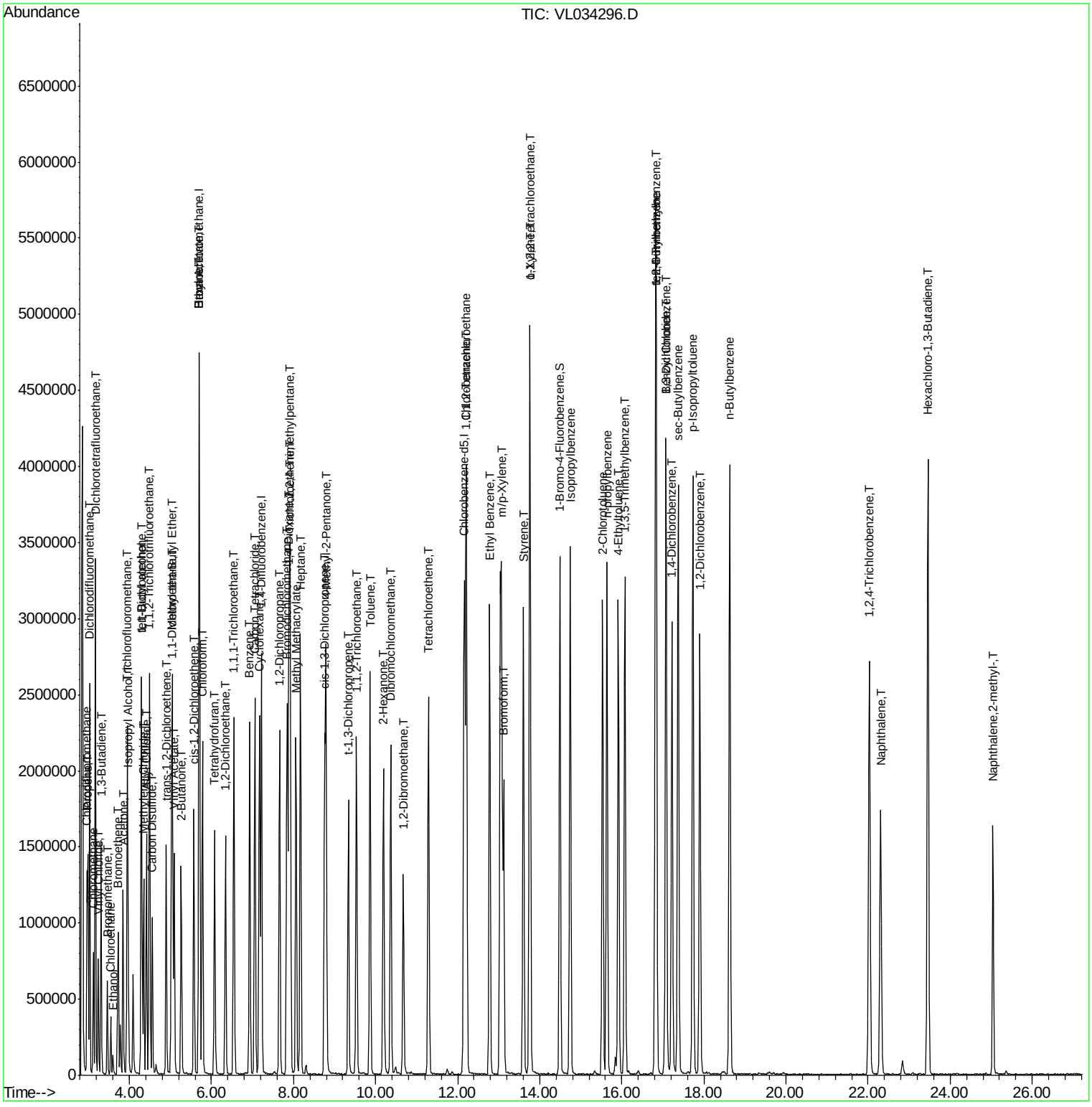
(#) = qualifier out of range (m) = manual integration (+) = signals summed

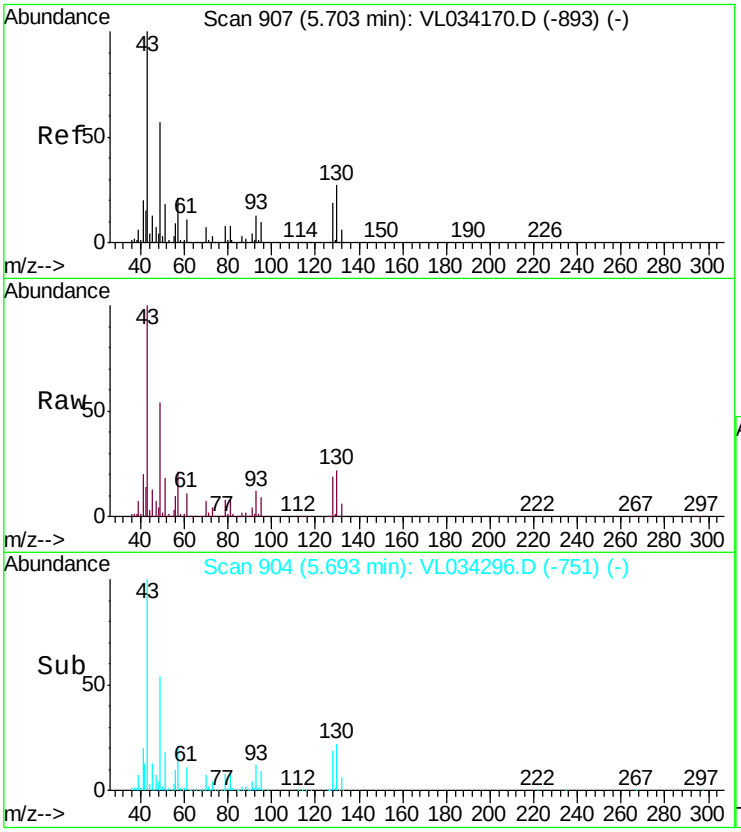
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
Data File : VL034296.D
Acq On : 15 Oct 2019 00:37
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Oct 15 06:43:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration



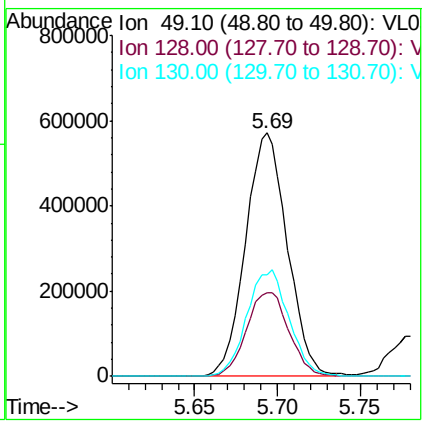


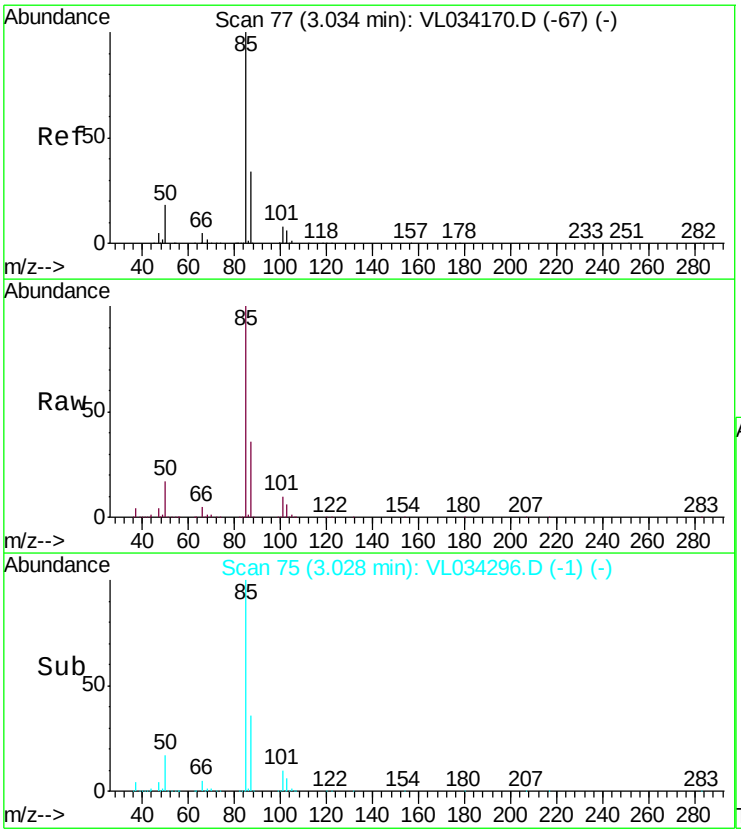
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 997916

Ion	Ratio	Lower	Upper
49	100		
128	35.5	17.6	52.9
130	44.2	22.3	66.9

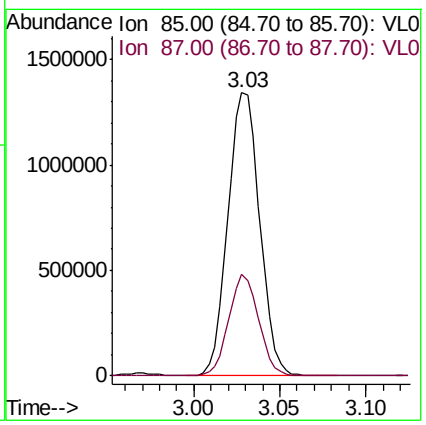


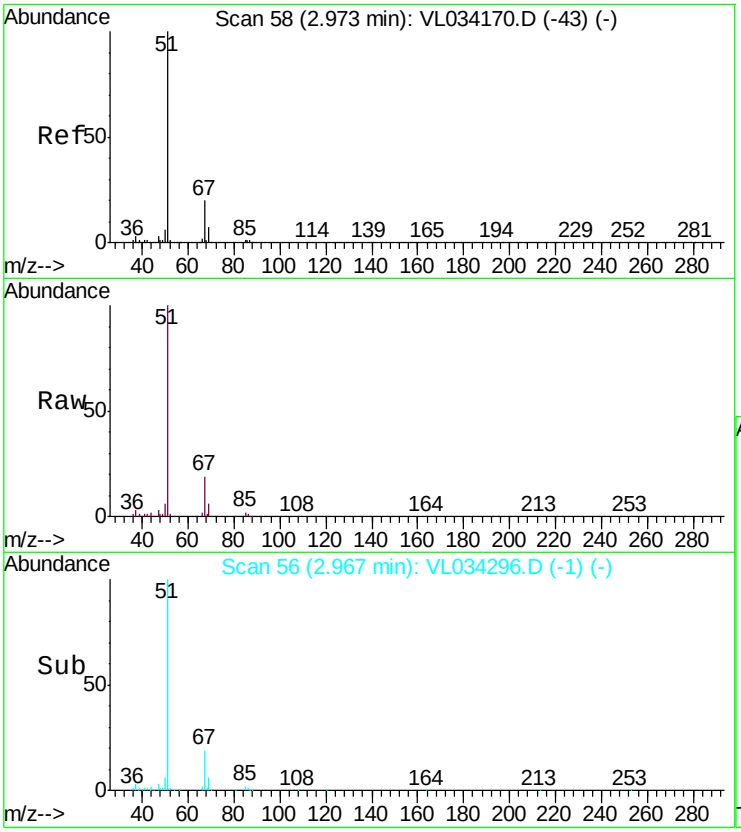


#2
Dichlorodifluoromethane
Concen: 11.712 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 85 Resp: 1726464

Ion	Ratio	Lower	Upper
85	100		
87	35.9	27.2	40.8



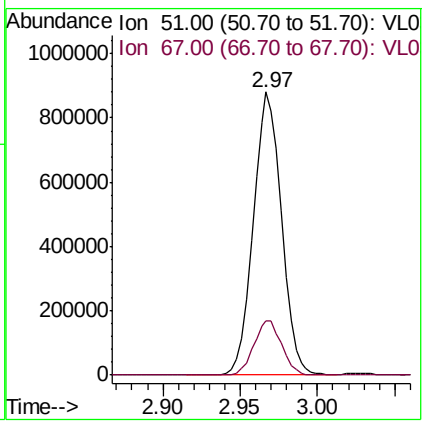


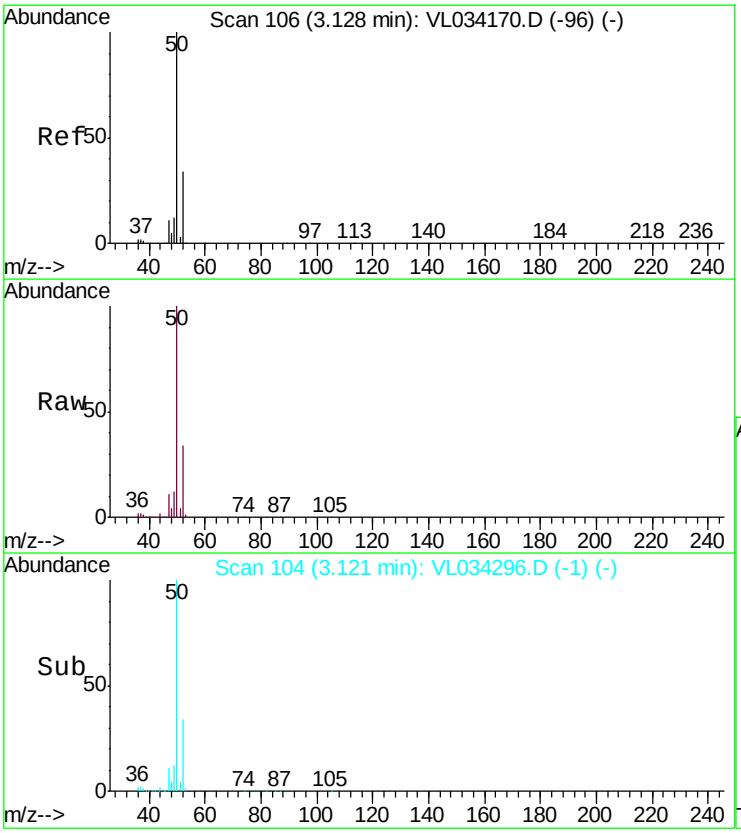
#3
Chlorodifluoromethane
Concen: 9.569 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 1119608

Ion	Ratio	Lower	Upper
51	100		
67	19.1	14.8	22.2

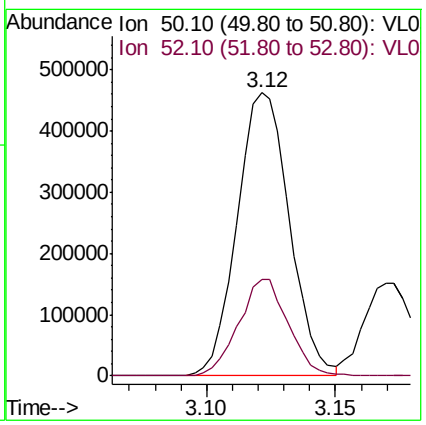


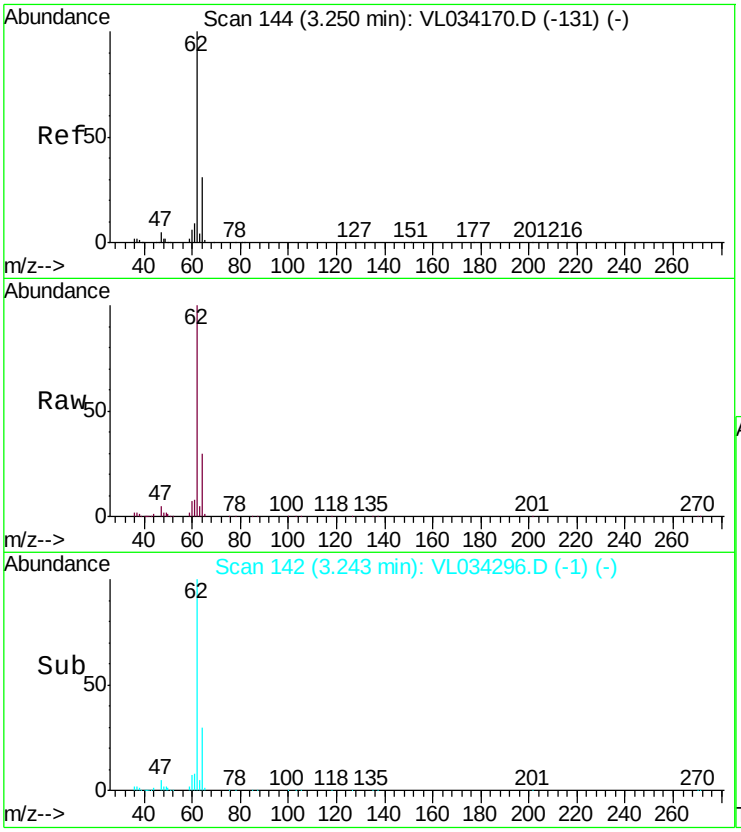


#4
Chloromethane
Concen: 9.461 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 50 Resp: 650497

Ion	Ratio	Lower	Upper
50	100		
52	34.2	27.1	40.7



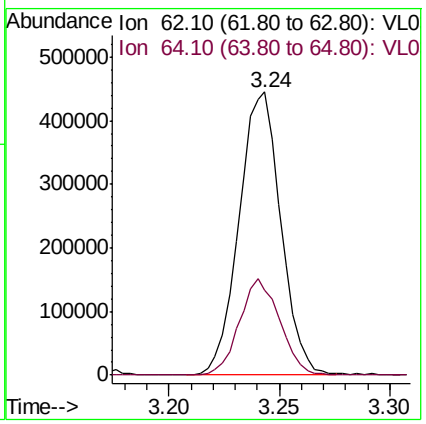


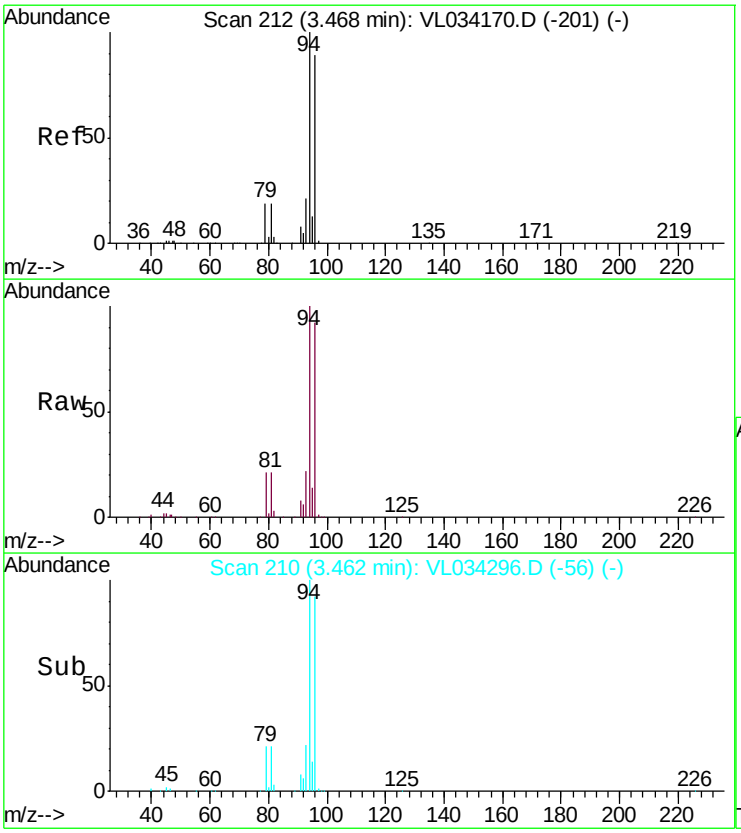
#5
Vinyl Chloride
Concen: 9.357 ppbv
RT: 3.24 min Scan# 142
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 587957

Ion	Ratio	Lower	Upper
62	100		
64	29.9	25.2	37.8

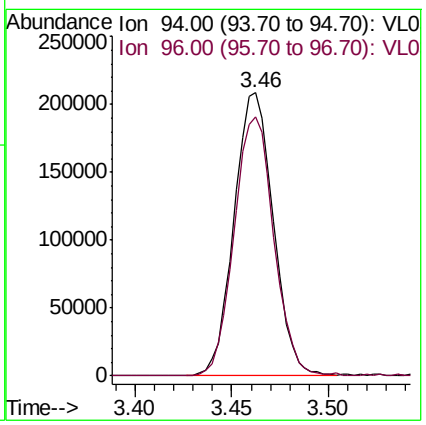


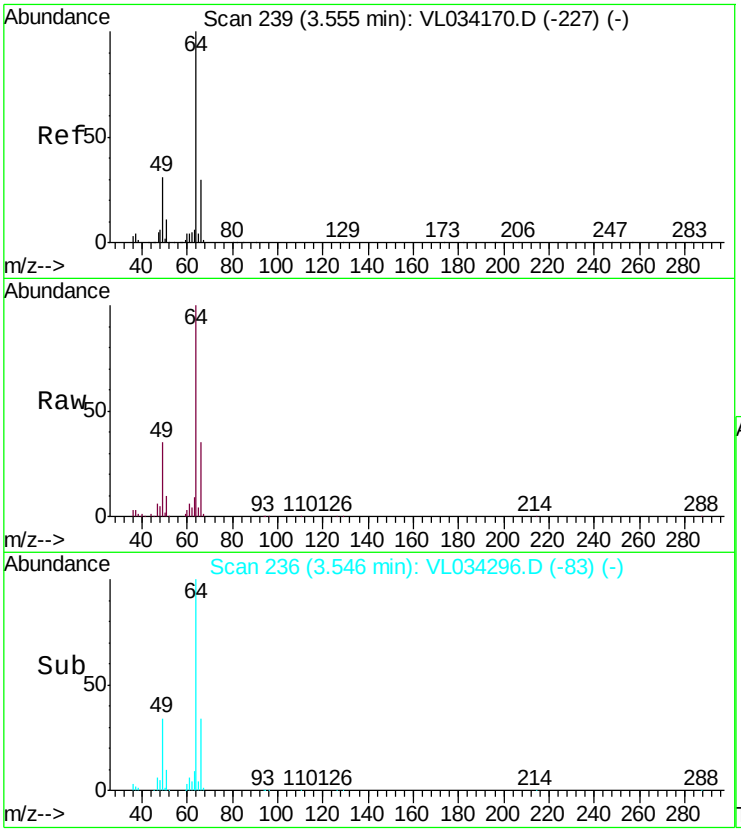


#6
Bromomethane
Concen: 10.045 ppbv
RT: 3.46 min Scan# 210
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 94 Resp: 294487

Ion	Ratio	Lower	Upper
94	100		
96	91.6	71.3	106.9



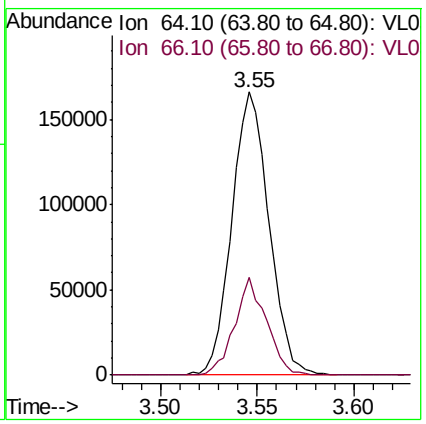


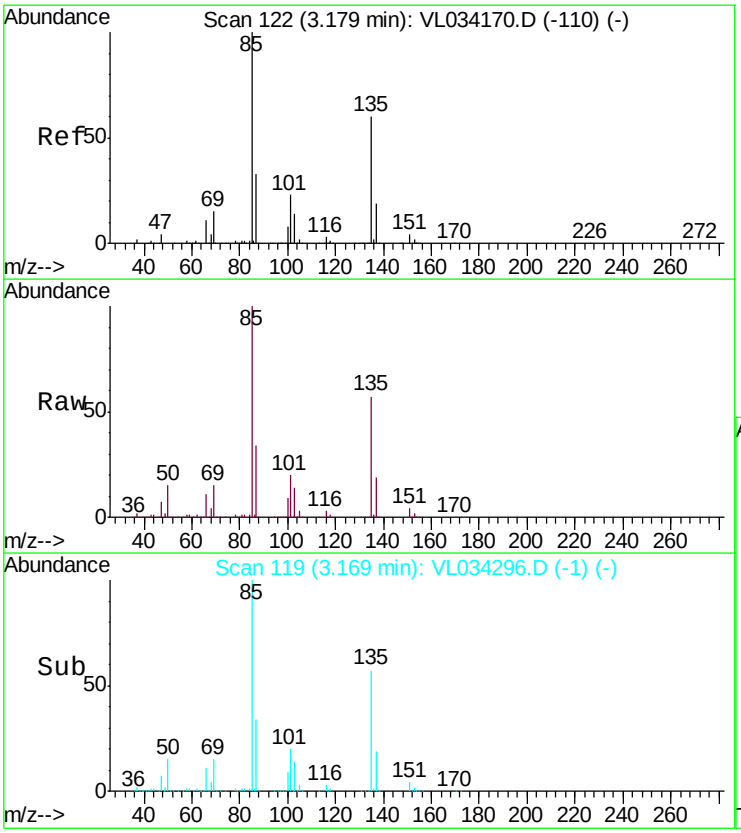
#7
Chloroethane
Concen: 10.101 ppbv
RT: 3.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 64 Resp: 221857

Ion	Ratio	Lower	Upper
64	100		
66	34.8	24.2	36.4

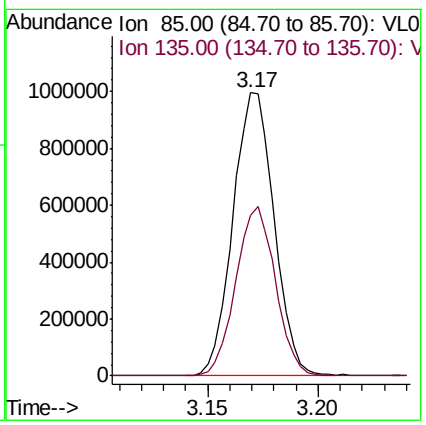


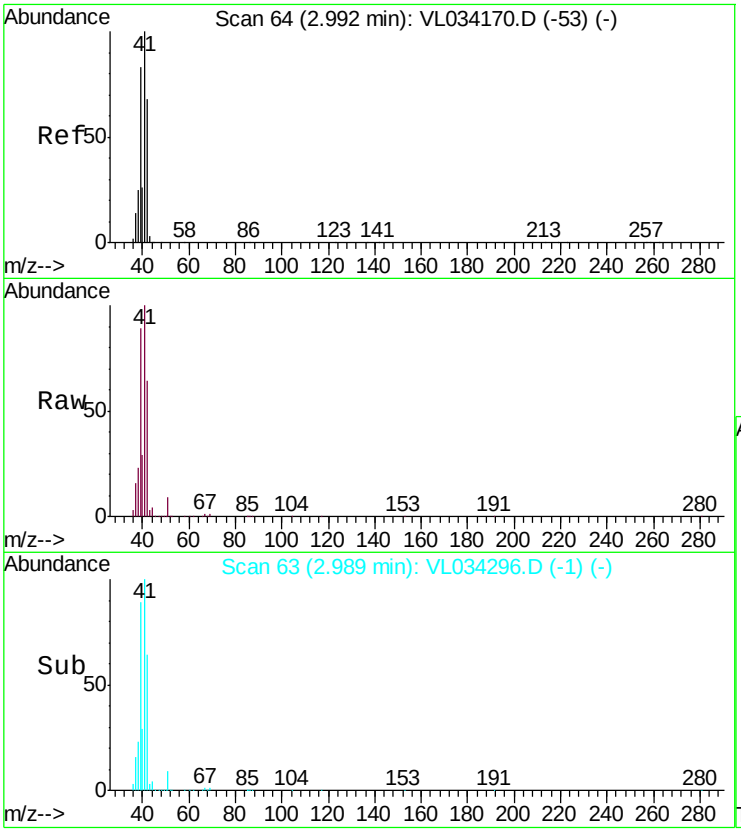


#8
Dichlorotetrafluoroethane
Concen: 9.889 ppbv
RT: 3.17 min Scan# 119
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 85 Resp: 1286489

Ion	Ratio	Lower	Upper
85	100		
135	58.1	47.3	70.9



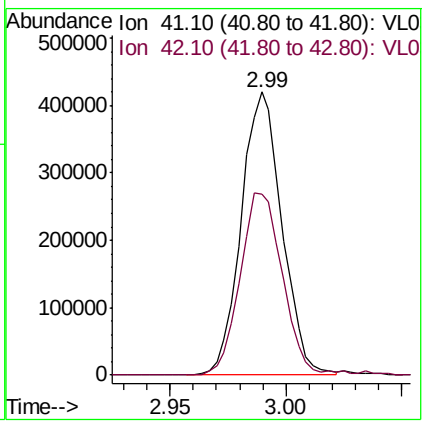


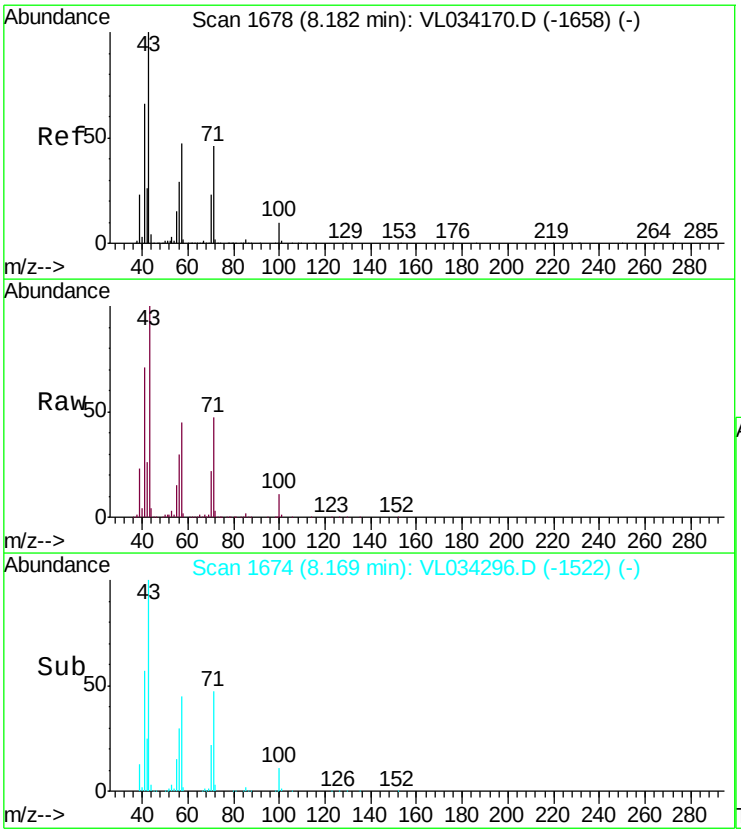
#9
Propene
Concen: 8.852 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.00 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 510993

Ion	Ratio	Lower	Upper
41	100		
42	68.4	55.8	83.6

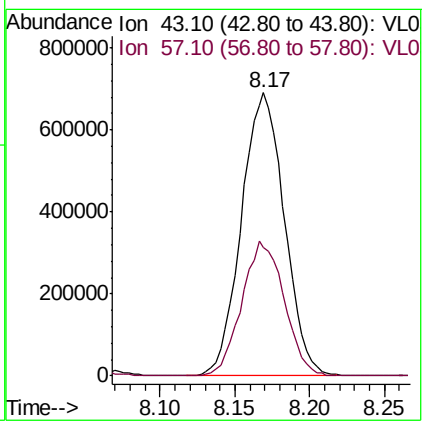


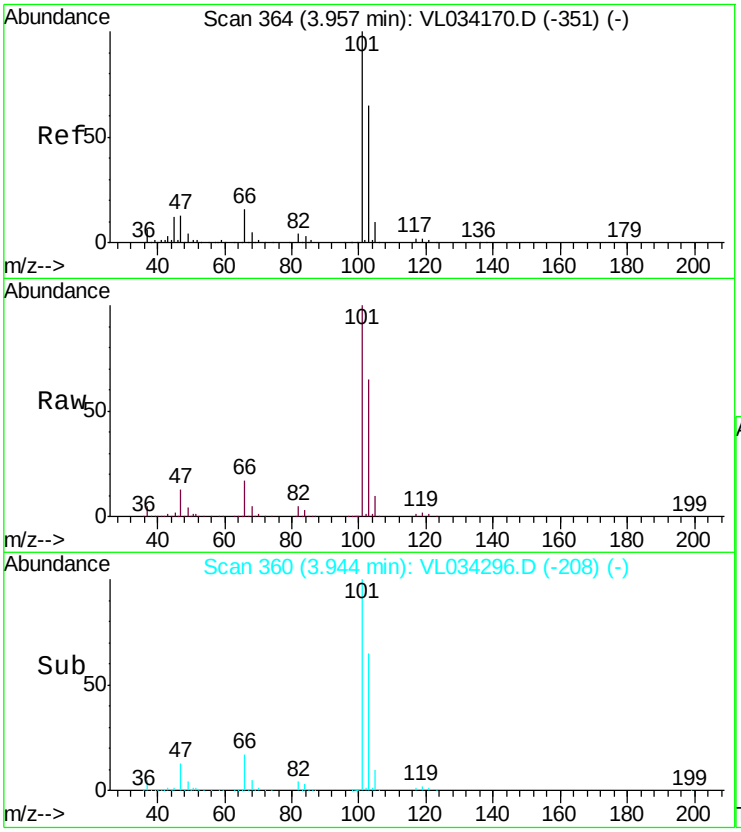


#10
Heptane
Concen: 9.102 ppbv
RT: 8.17 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 43 Resp: 1369336

Ion	Ratio	Lower	Upper
43	100		
57	47.2	37.5	56.3



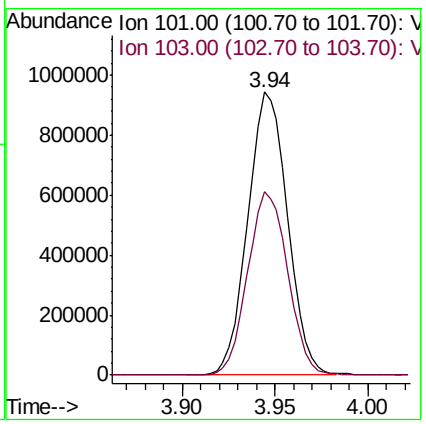


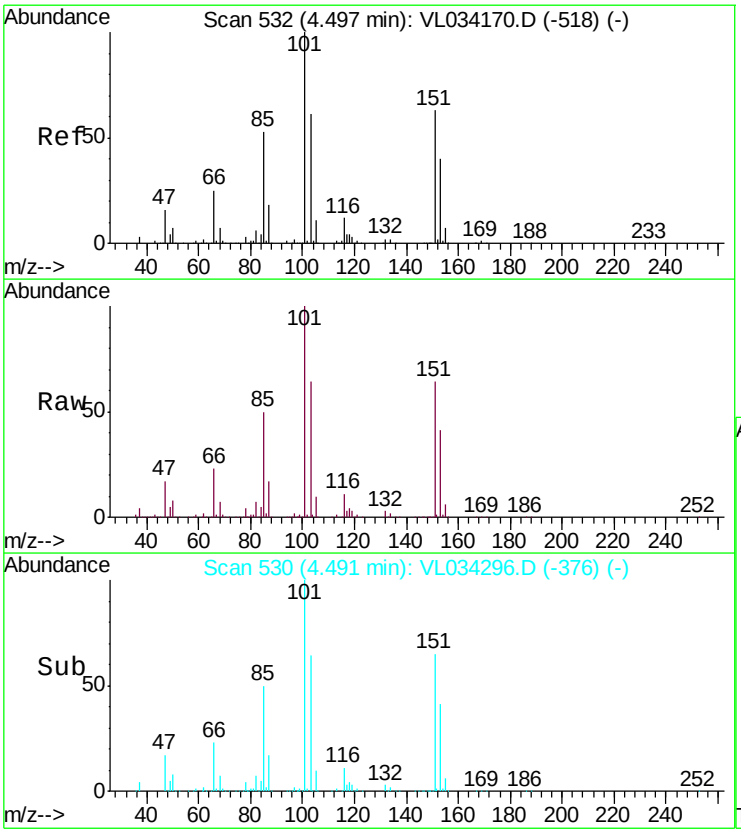
#11
Trichlorofluoromethane
Concen: 10.554 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1416045

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.1	78.1

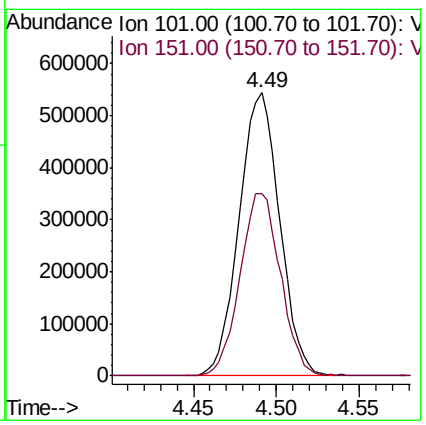


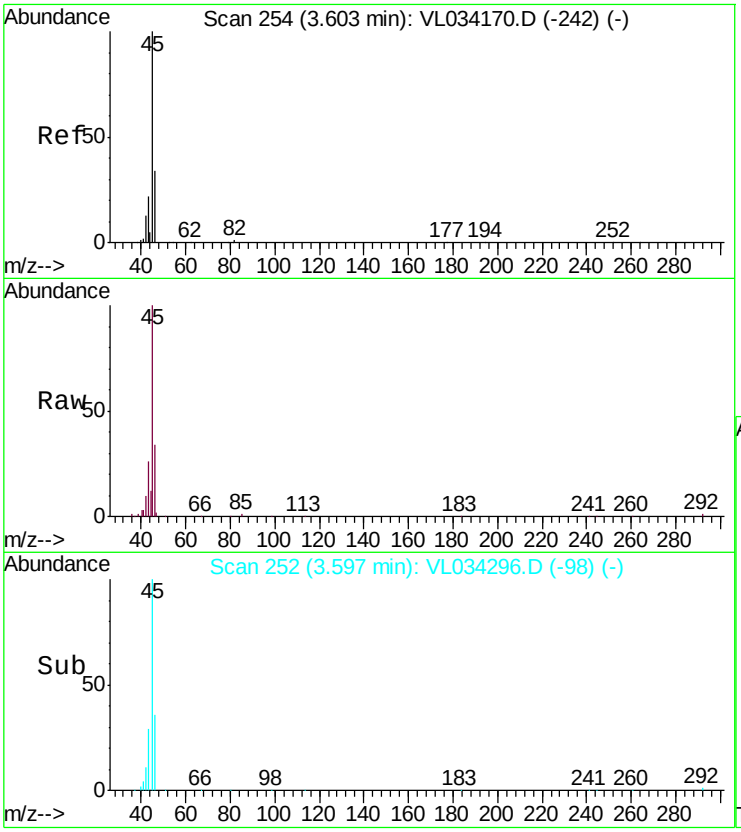


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.575 ppbv
RT: 4.49 min Scan# 530
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:101 Resp: 928557

Ion	Ratio	Lower	Upper
101	100		
151	64.5	51.8	77.8



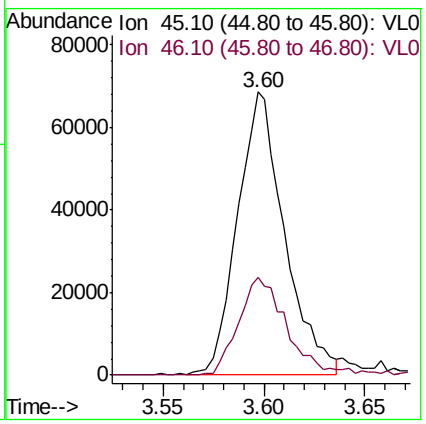


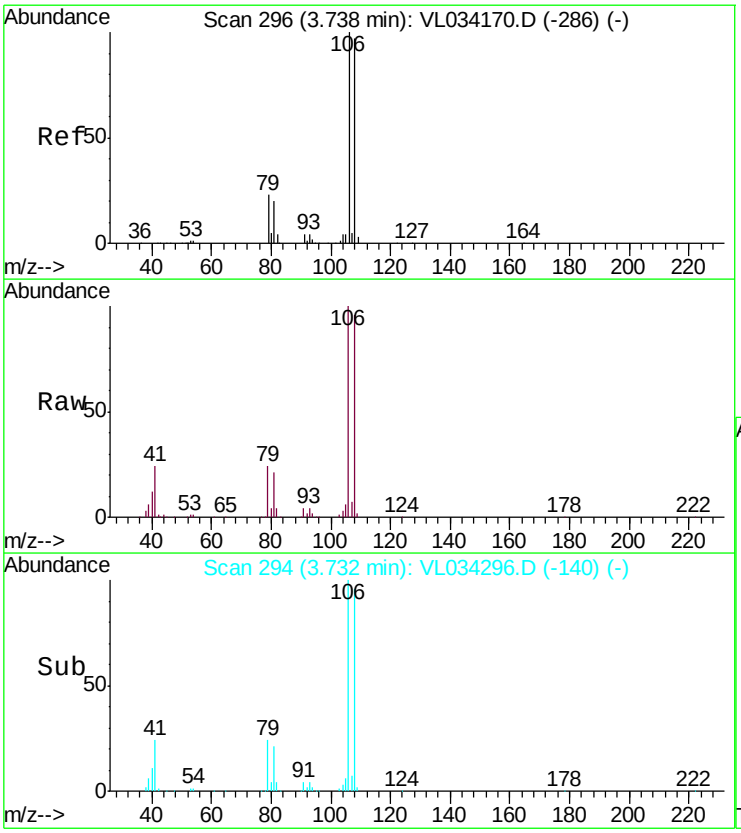
#13
Ethanol
Concen: 7.998 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 111802

Ion	Ratio	Lower	Upper
45	100		
46	36.4	15.5	61.9

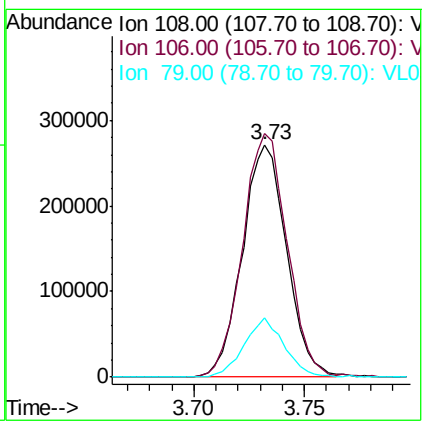


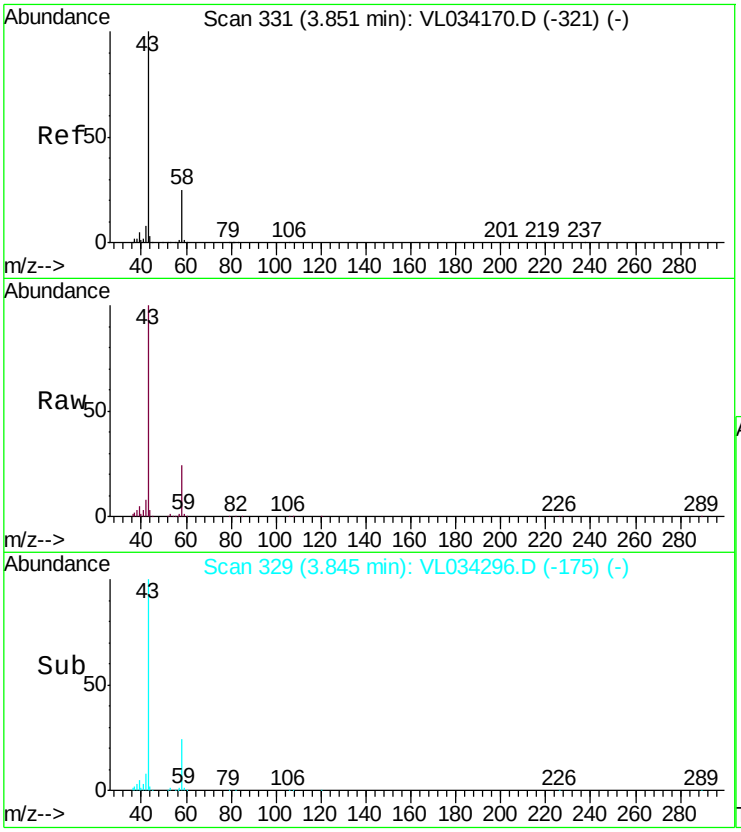


#14
Bromoethene
Concen: 10.521 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:108 Resp: 377695

Ion	Ratio	Lower	Upper
108	100		
106	106.3	86.2	129.4
79	23.4	18.6	27.8



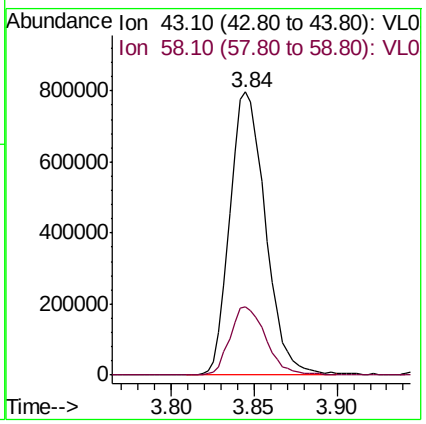


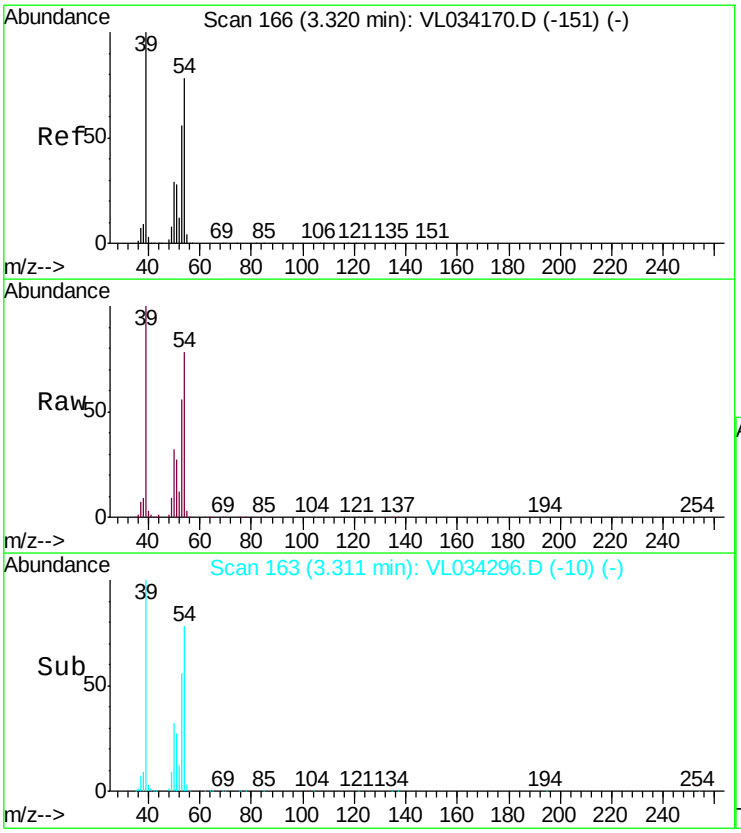
#15
Acetone
Concen: 8.925 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1193650

Ion	Ratio	Lower	Upper
43	100		
58	24.3	20.5	30.7

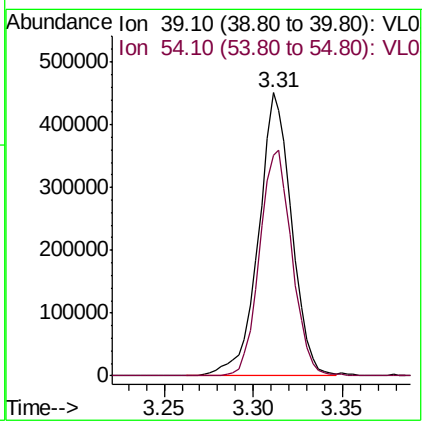


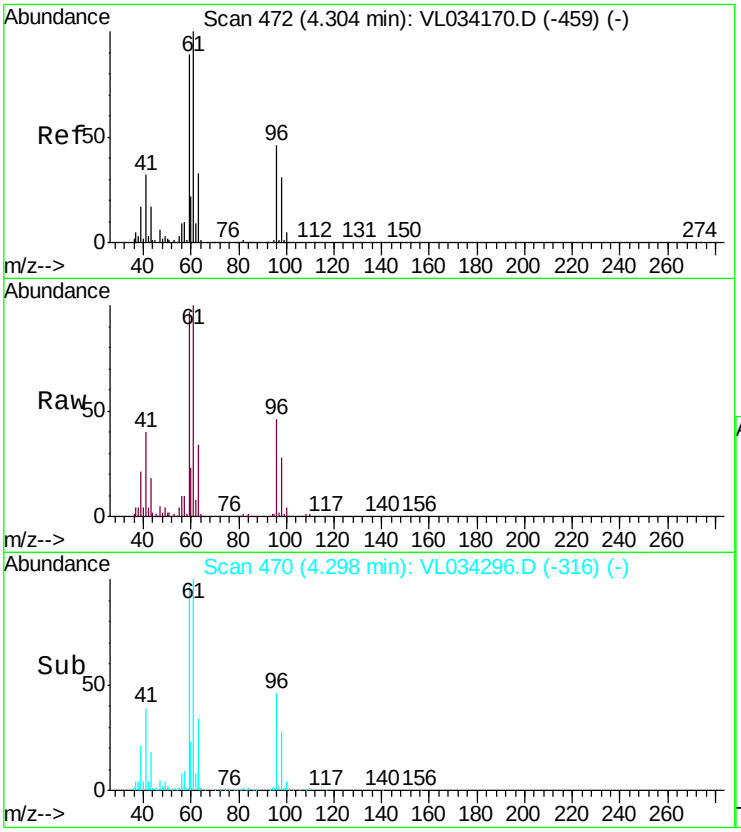


#16
1,3-Butadiene
Concen: 10.048 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 39 Resp: 586473

Ion	Ratio	Lower	Upper
39	100		
54	78.3	63.4	95.0



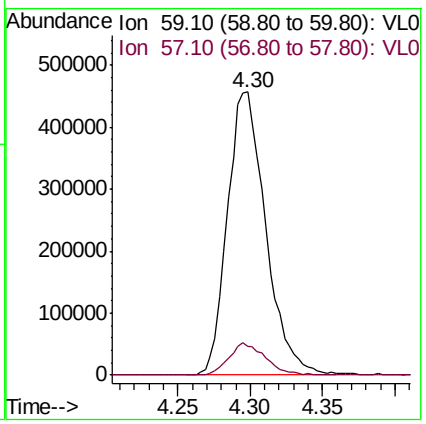


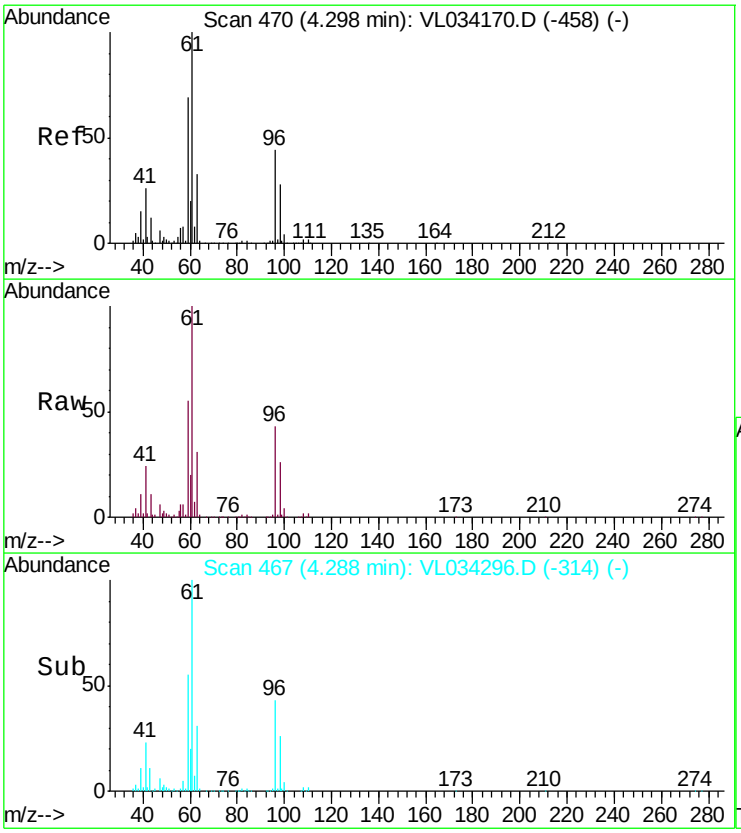
#17
tert-Butyl alcohol
Concen: 9.862 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 59 Resp: 835751

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.7	13.1

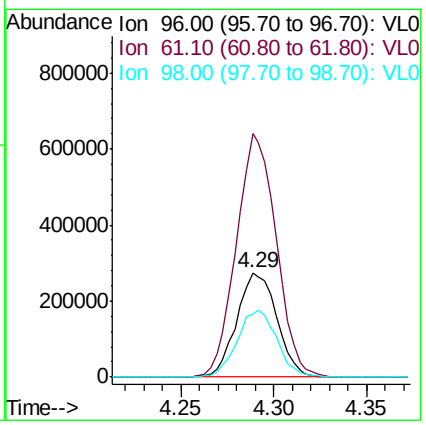


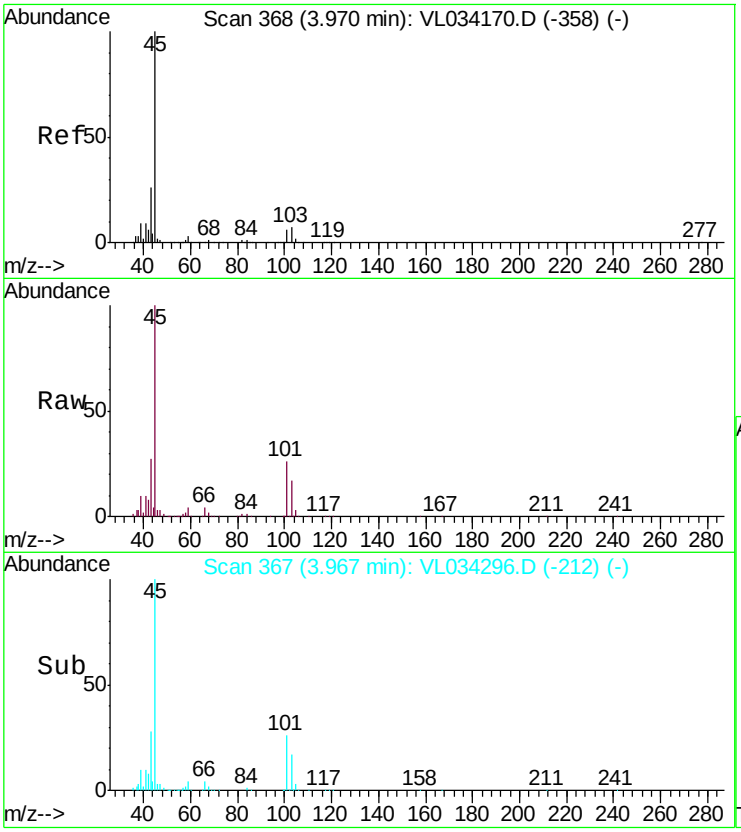


#18
1,1-Dichloroethene
Concen: 10.772 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 96 Resp: 412551

Ion	Ratio	Lower	Upper
96	100		
61	233.4	183.3	274.9
98	61.0	51.4	77.2



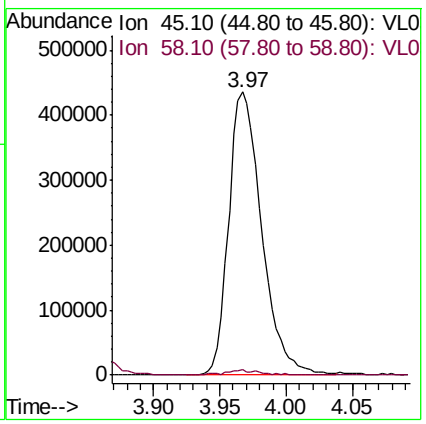


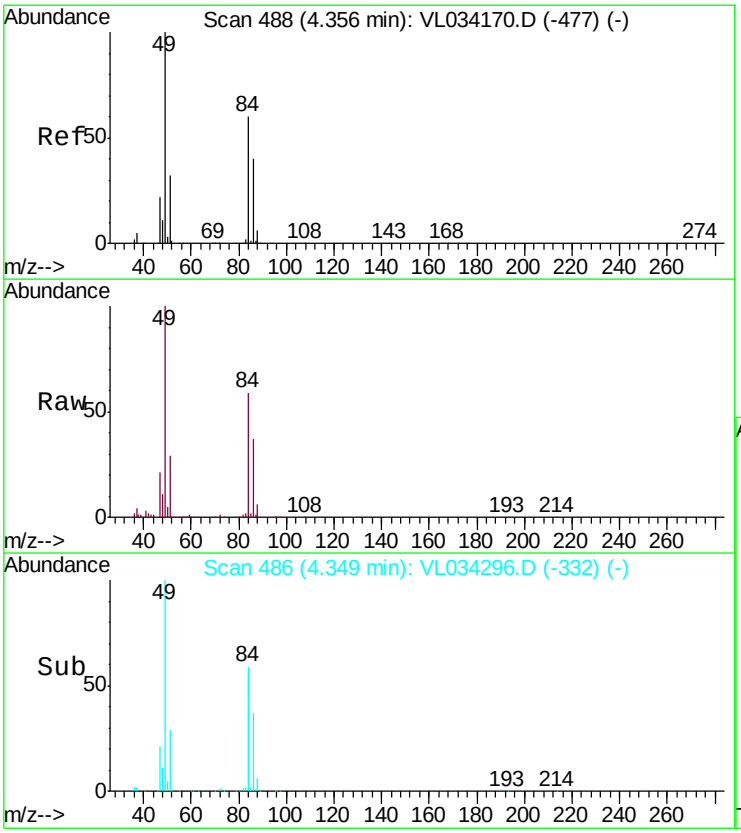
#19
Isopropyl Alcohol
Concen: 9.187 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 755573

Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.4	2.0

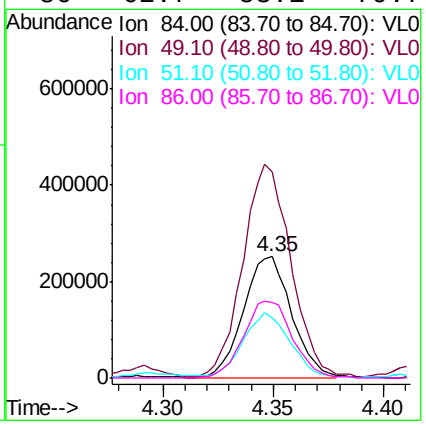


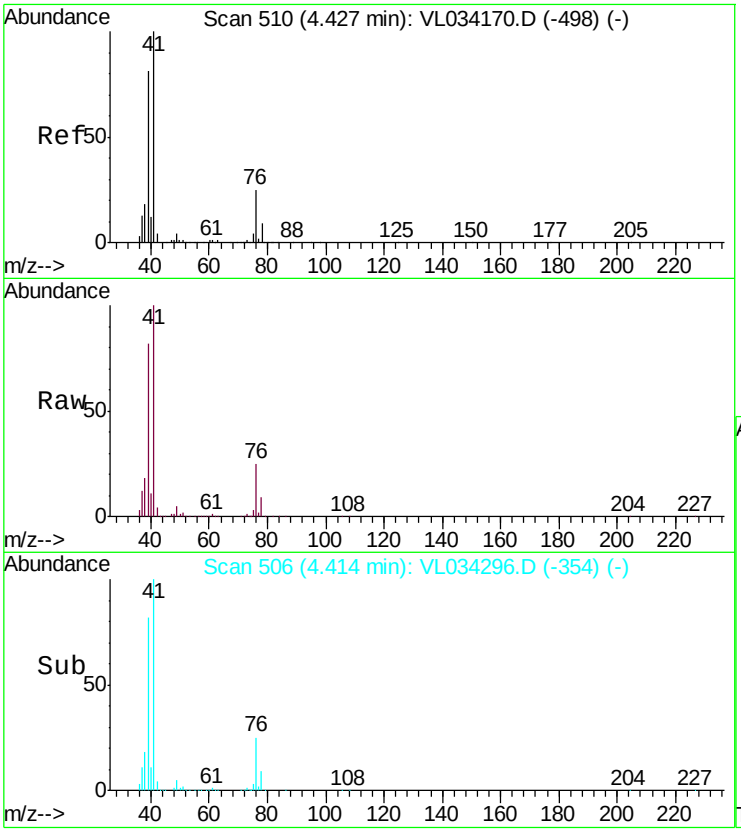


#20
Methylene Chloride
Concen: 9.929 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 84 Resp: 382873

Ion	Ratio	Lower	Upper
84	100		
49	169.1	133.8	200.8
51	48.2	43.6	65.4
86	62.7	53.1	79.7



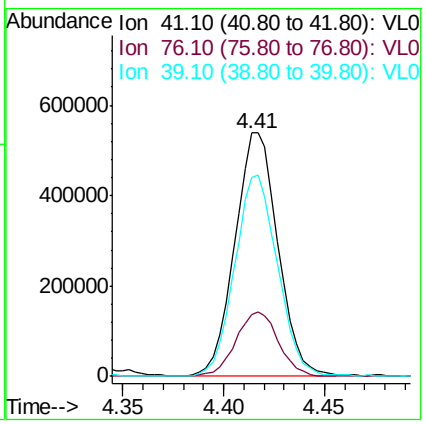


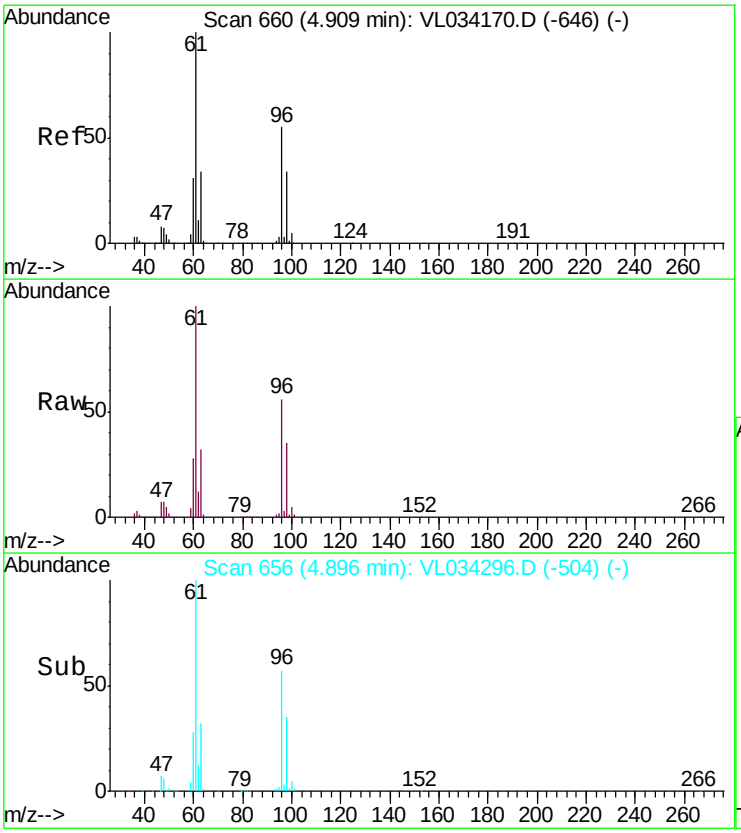
#21
Allyl Chloride
Concen: 10.625 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 802647

Ion	Ratio	Lower	Upper
41	100		
76	26.5	21.8	32.6
39	82.7	64.8	97.2

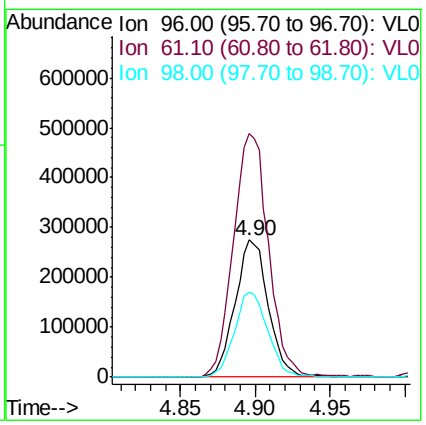


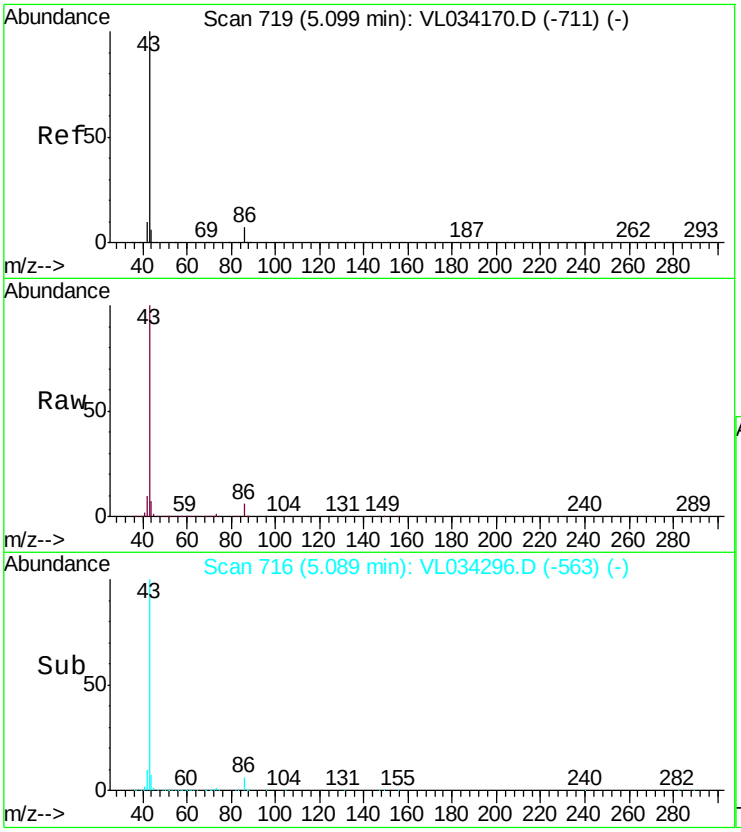


#22
trans-1,2-Dichloroethene
Concen: 11.087 ppbv
RT: 4.90 min Scan# 656
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 96 Resp: 424837

Ion	Ratio	Lower	Upper
96	100		
61	178.0	145.5	218.3
98	62.0	49.9	74.9



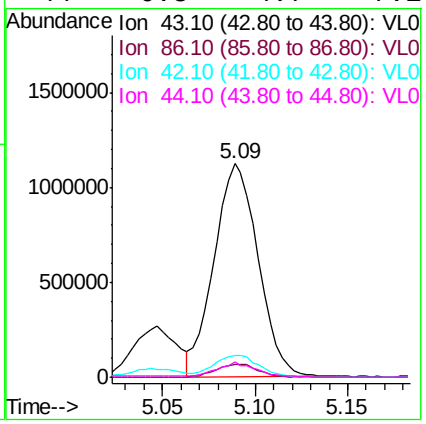


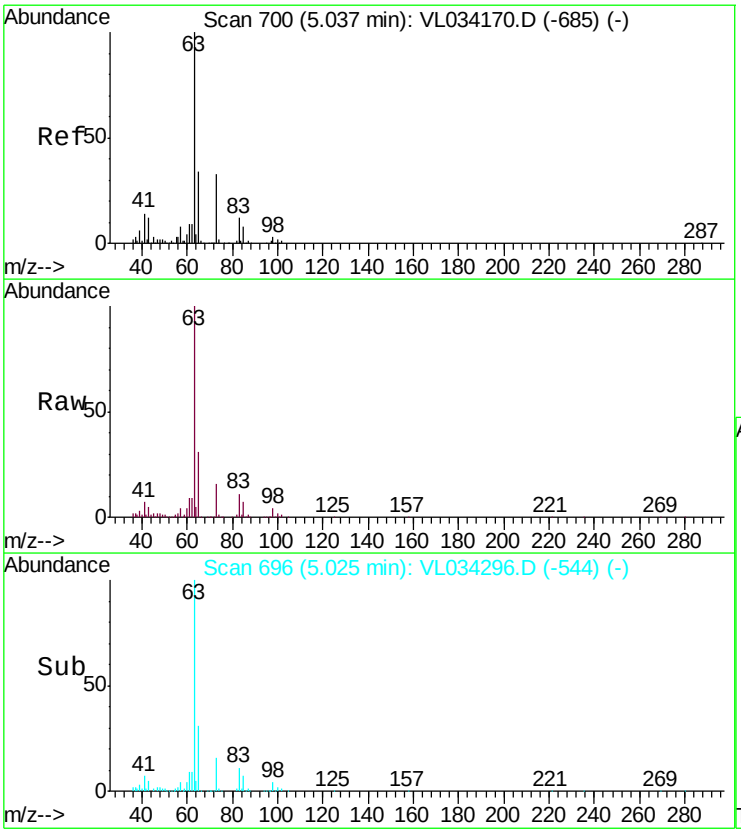
#23
Vinyl Acetate
Concen: 9.366 ppbv
RT: 5.09 min Scan# 716
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1845981

Ion	Ratio	Lower	Upper
43	100		
86	6.0	5.1	7.7
42	10.4	8.6	12.8
44	6.8	4.7	7.1

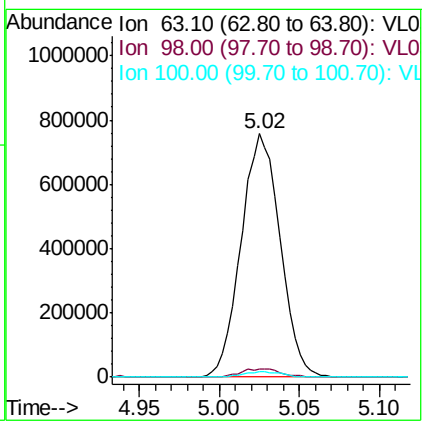


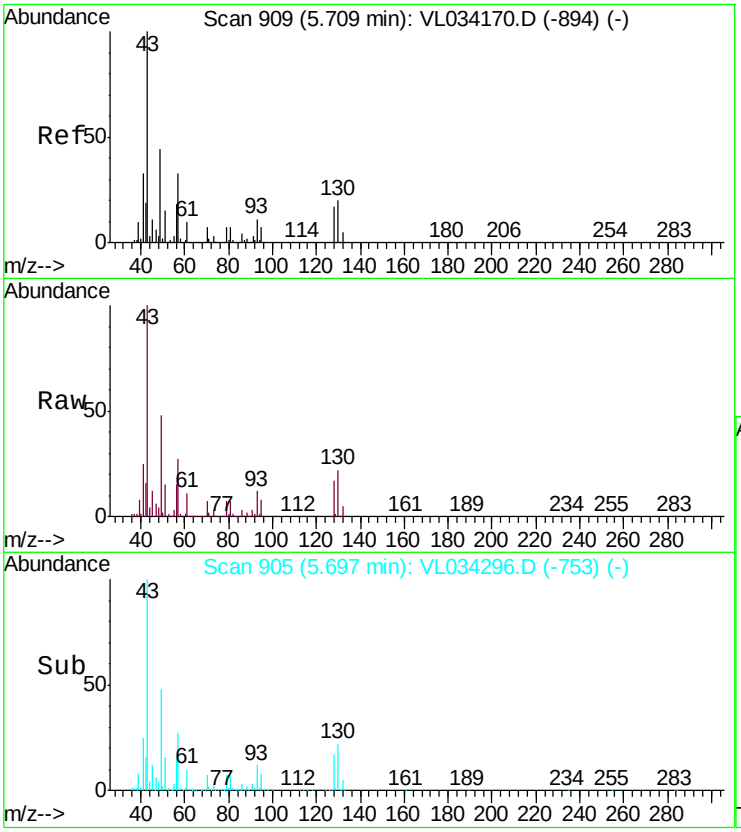


#24
1,1-Dichloroethane
Concen: 9.488 ppbv
RT: 5.02 min Scan# 696
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 63 Resp: 1259194

Ion	Ratio	Lower	Upper
63	100		
98	3.5	1.8	5.3
100	2.2	1.0	3.0



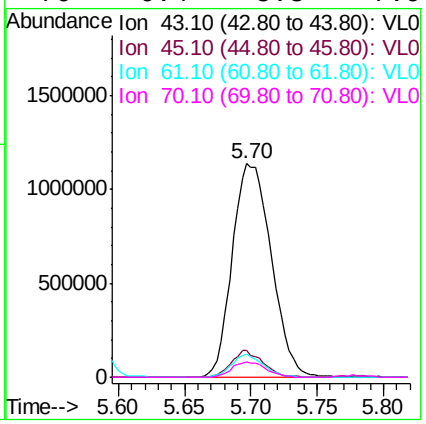


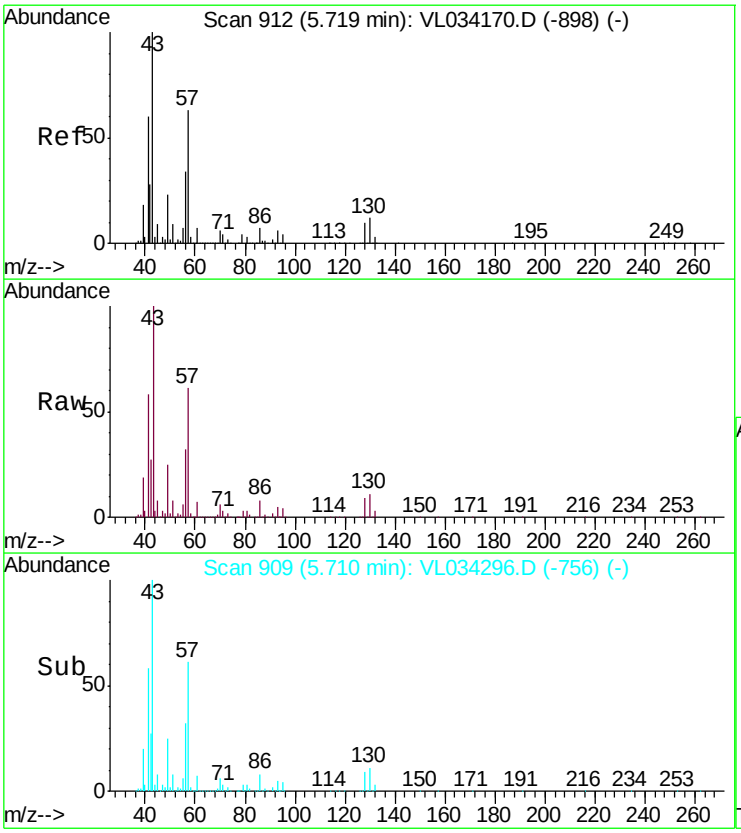
#25
Ethyl Acetate
Concen: 9.214 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2330407

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.4	12.6
61	8.7	7.2	10.8
70	6.4	5.3	7.9

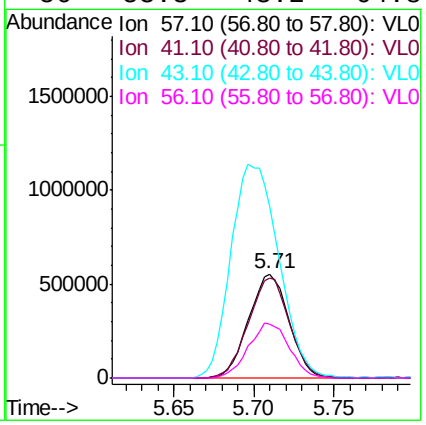


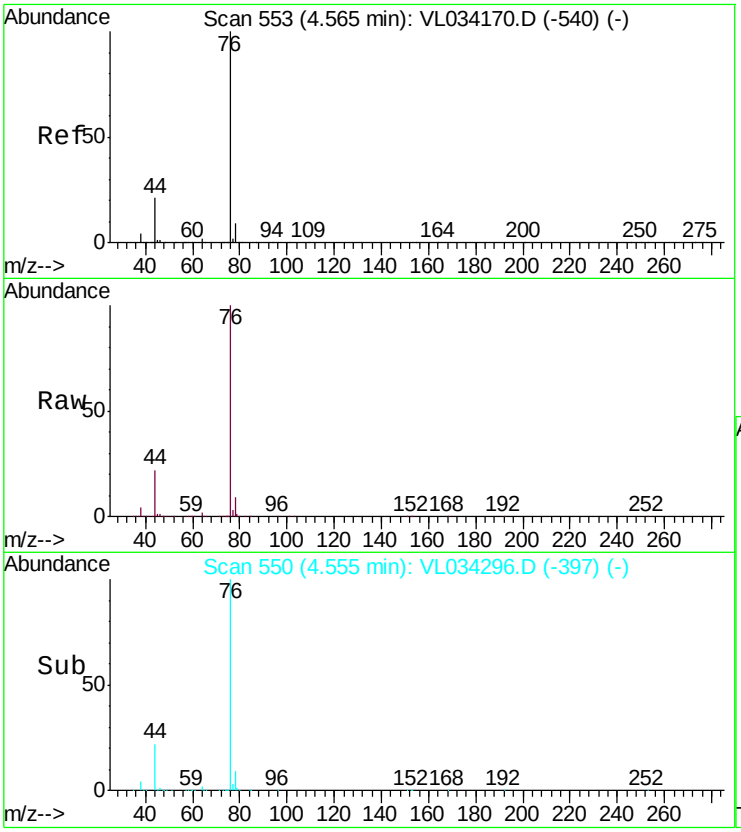


#26
Hexane
Concen: 9.102 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 57 Resp: 957569

Ion	Ratio	Lower	Upper
57	100		
41	98.3	78.5	117.7
43	244.5	189.5	284.3
56	53.3	43.2	64.8



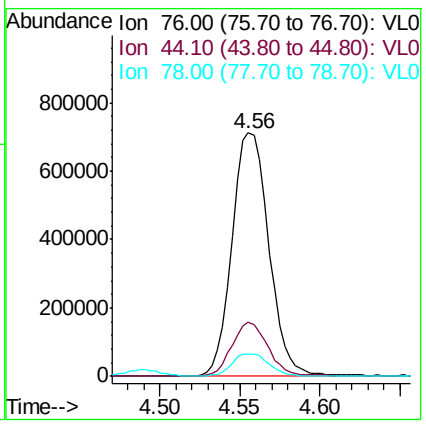


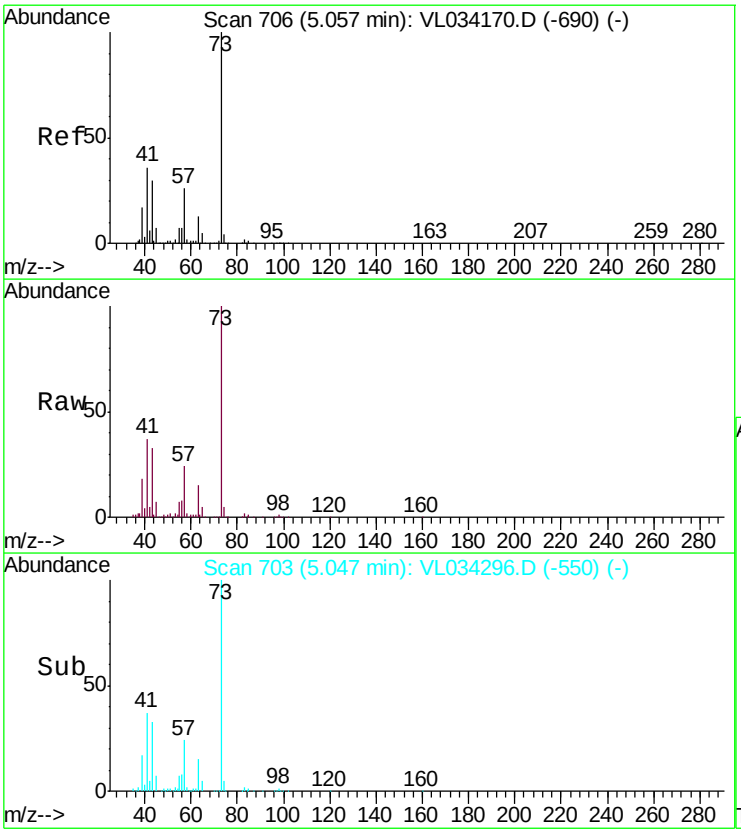
#27
Carbon Disulfide
Concen: 11.474 ppbv
RT: 4.56 min Scan# 550
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 1113326

Ion	Ratio	Lower	Upper
76	100		
44	21.5	17.6	26.4
78	9.5	7.6	11.4

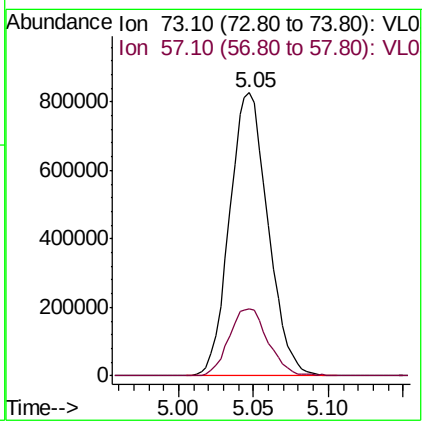


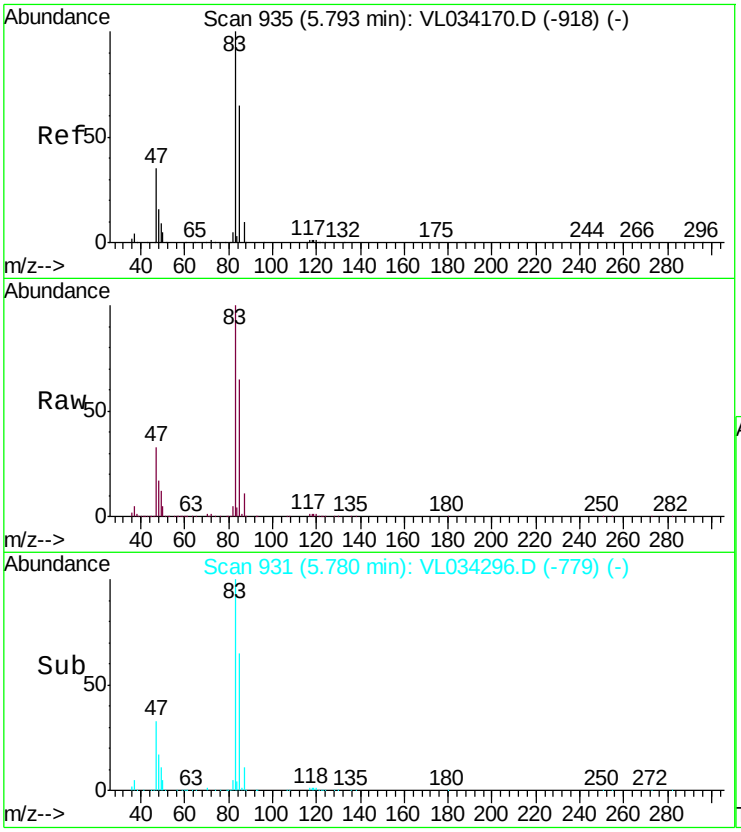


#28
Methyl tert-Butyl Ether
Concen: 9.464 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 73 Resp: 1478713

Ion	Ratio	Lower	Upper
73	100		
57	24.3	20.2	30.2



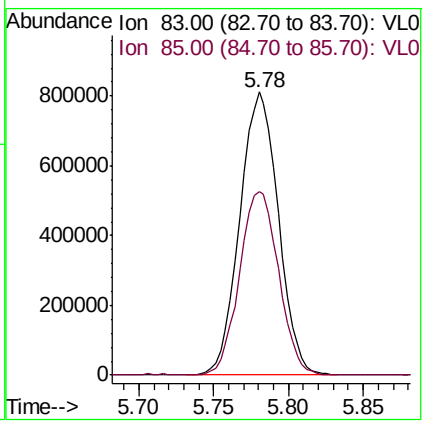


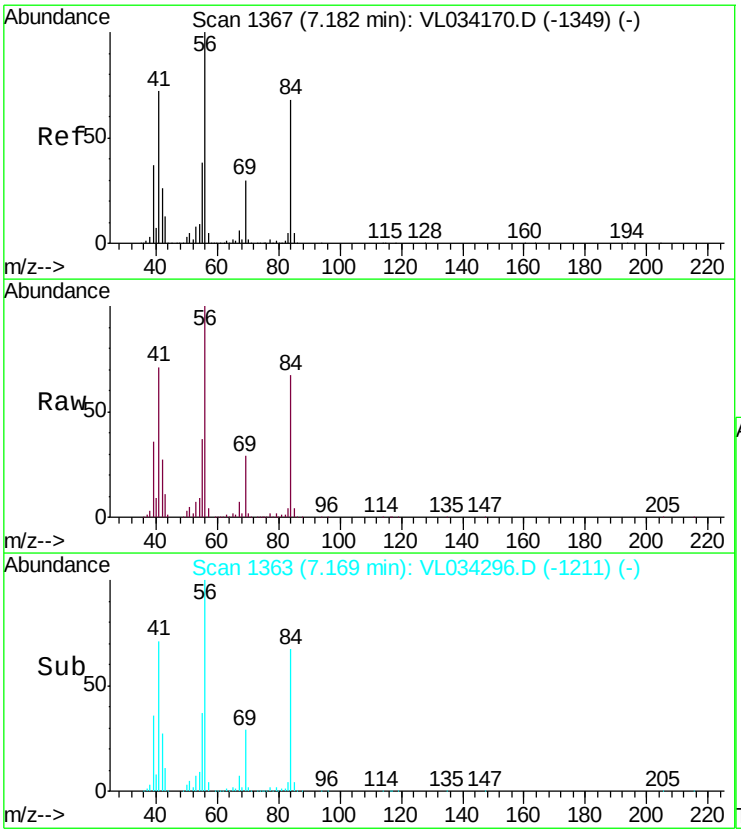
#29
Chloroform
Concen: 9.703 ppbv
RT: 5.78 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1458686

Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.3	78.5

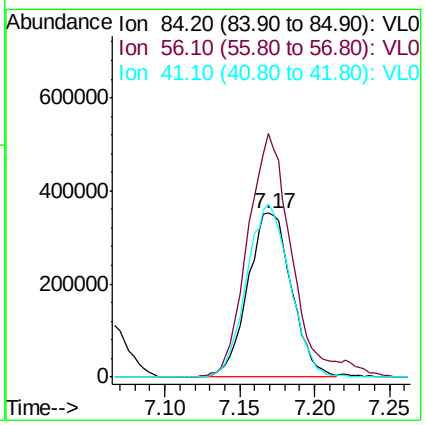


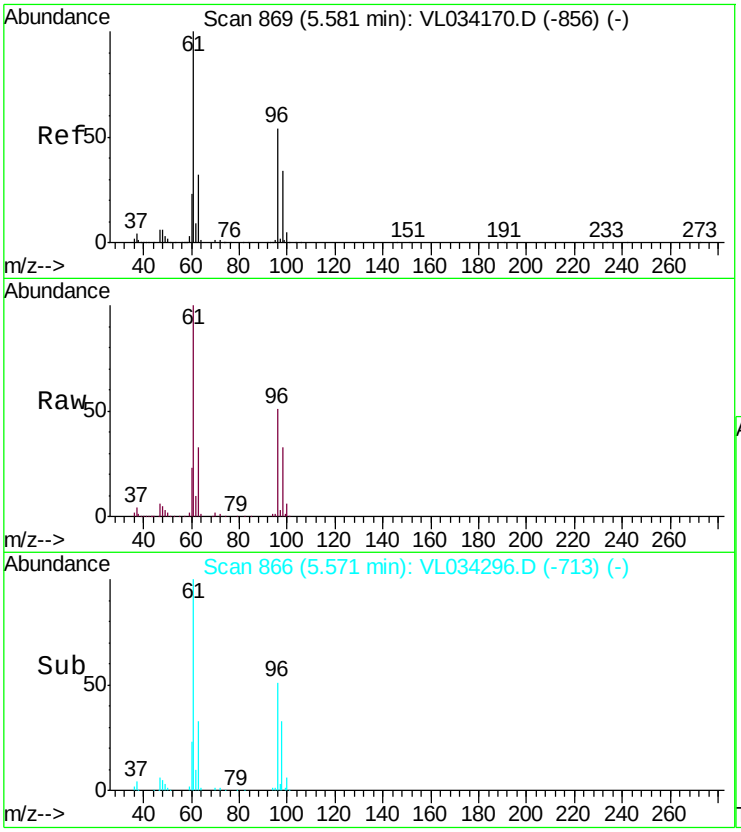


#30
Cyclohexane
Concen: 9.419 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 84 Resp: 715412

Ion	Ratio	Lower	Upper
84	100		
56	152.3	126.2	189.2
41	105.3	85.8	128.8



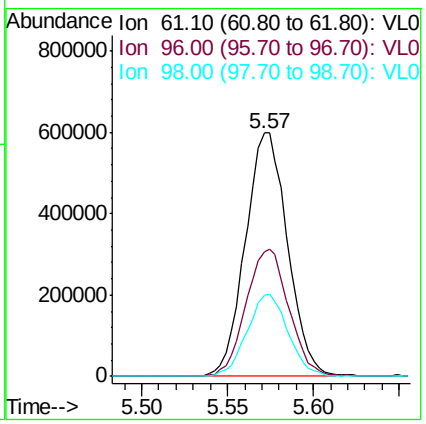


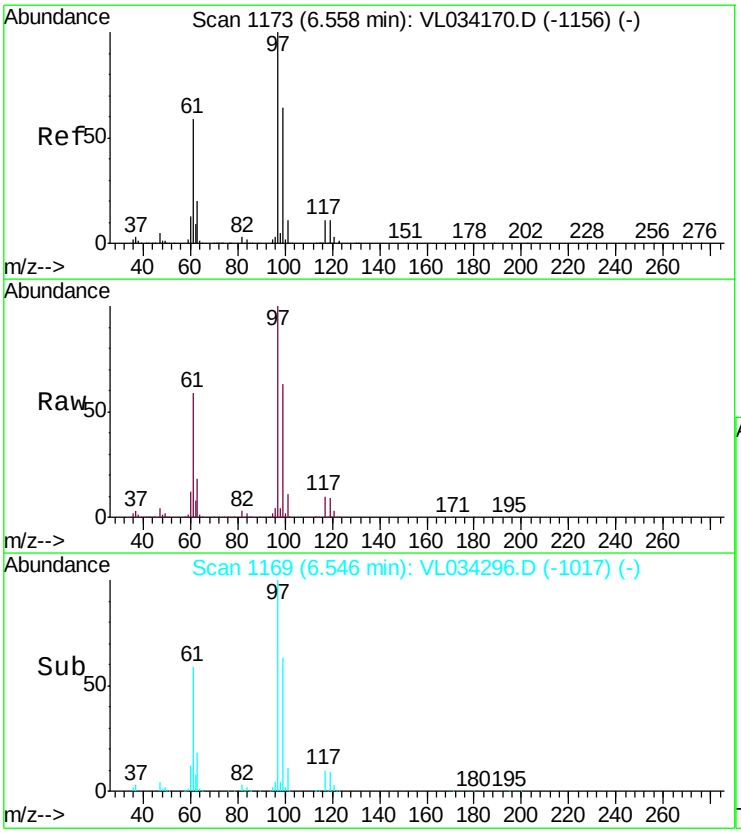
#31
cis-1,2-Dichloroethene
Concen: 9.469 ppbv
RT: 5.57 min Scan# 866
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 61 Resp: 1015535

Ion	Ratio	Lower	Upper
61	100		
96	51.0	43.0	64.4
98	33.5	27.2	40.8

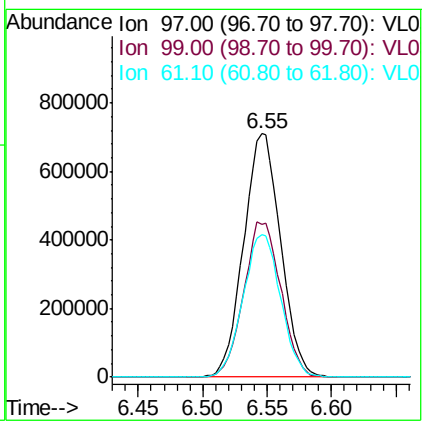


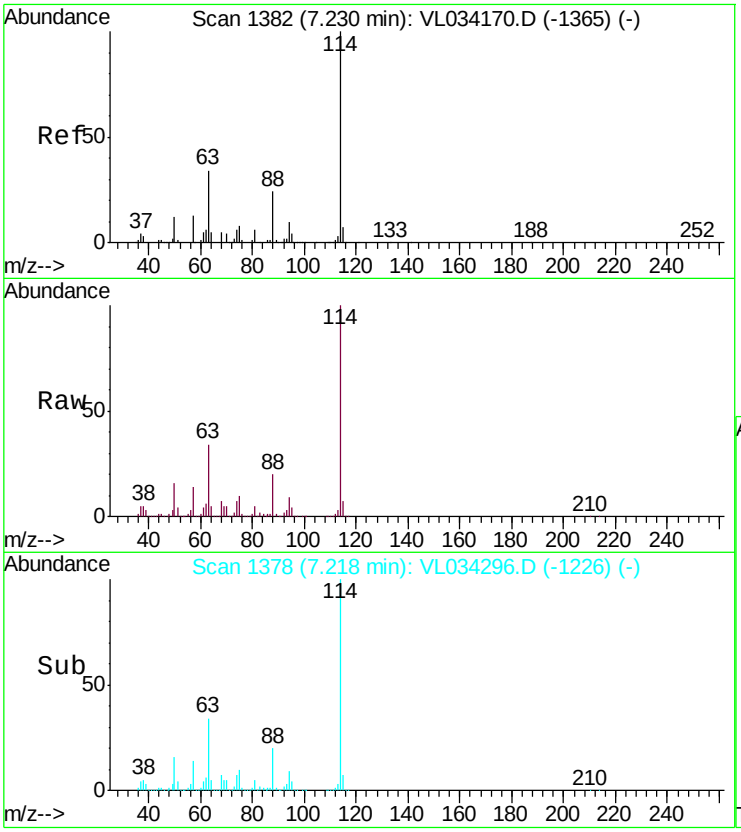


#32
1,1,1-Trichloroethane
Concen: 9.807 ppbv
RT: 6.55 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 97 Resp: 1421944

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	59.8	48.4	72.6



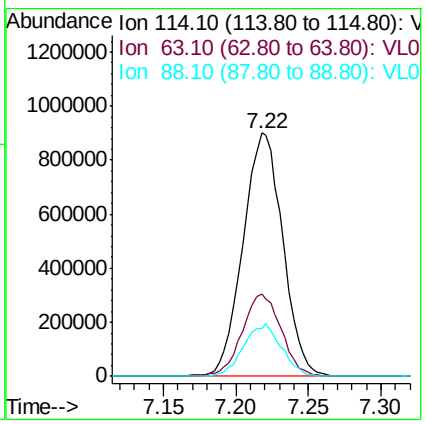


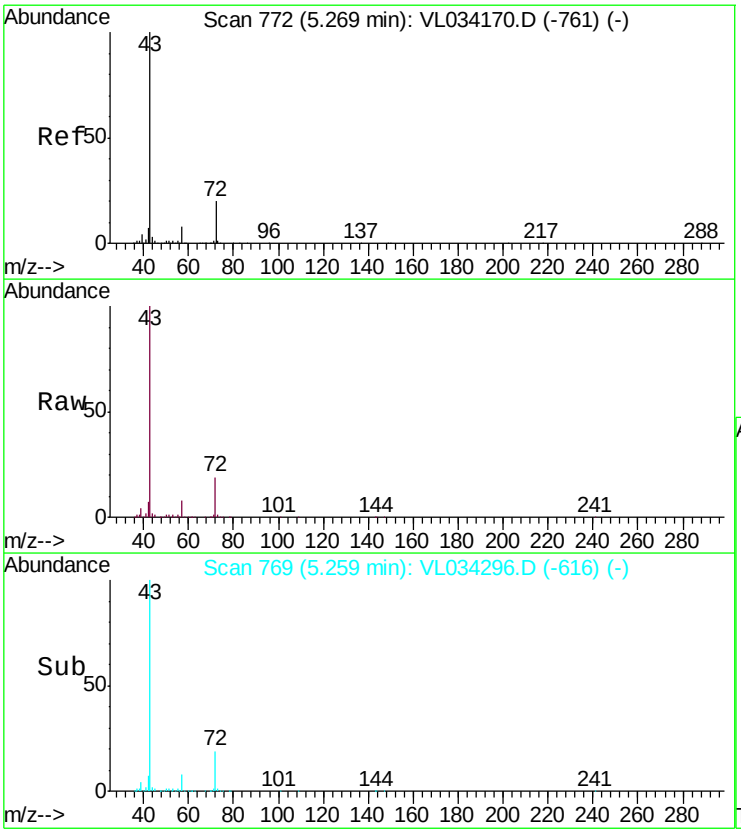
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 1718769

Ion	Ratio	Lower	Upper
114	100		
63	33.7	27.8	41.6
88	20.6	17.1	25.7

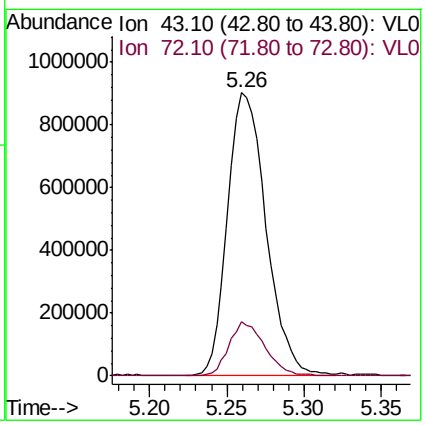


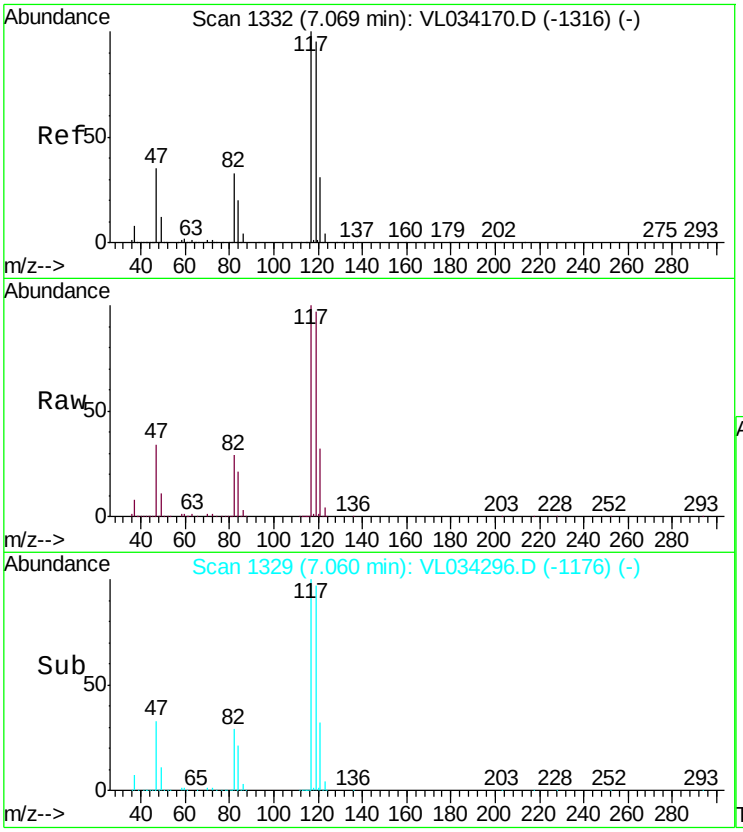


#34
2-Butanone
Concen: 8.913 ppbv
RT: 5.26 min Scan# 769
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 43 Resp: 1564253

Ion	Ratio	Lower	Upper
43	100		
72	18.0	15.0	22.6



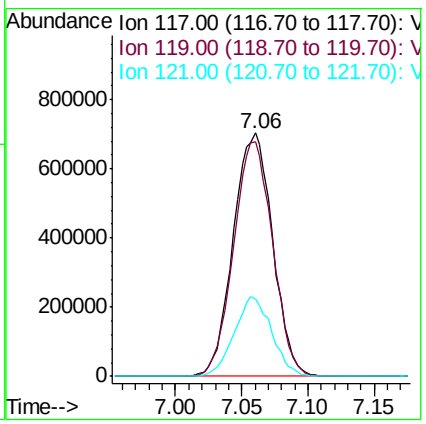


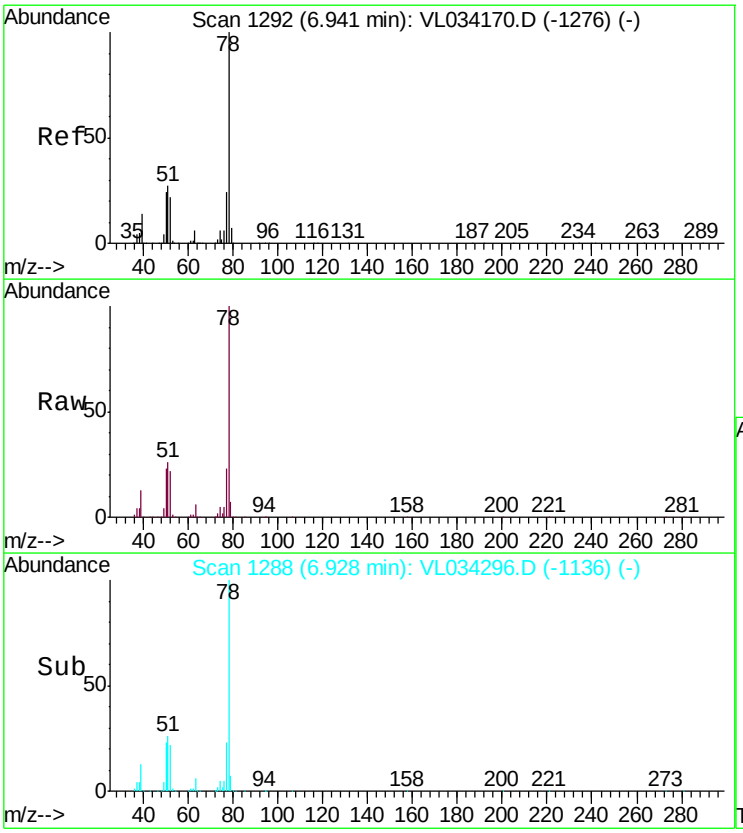
#35
Carbon Tetrachloride
Concen: 10.176 ppbv
RT: 7.06 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 1453052

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.8	113.6
121	31.9	25.0	37.6

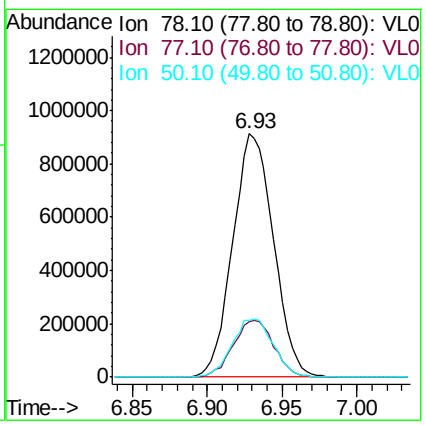


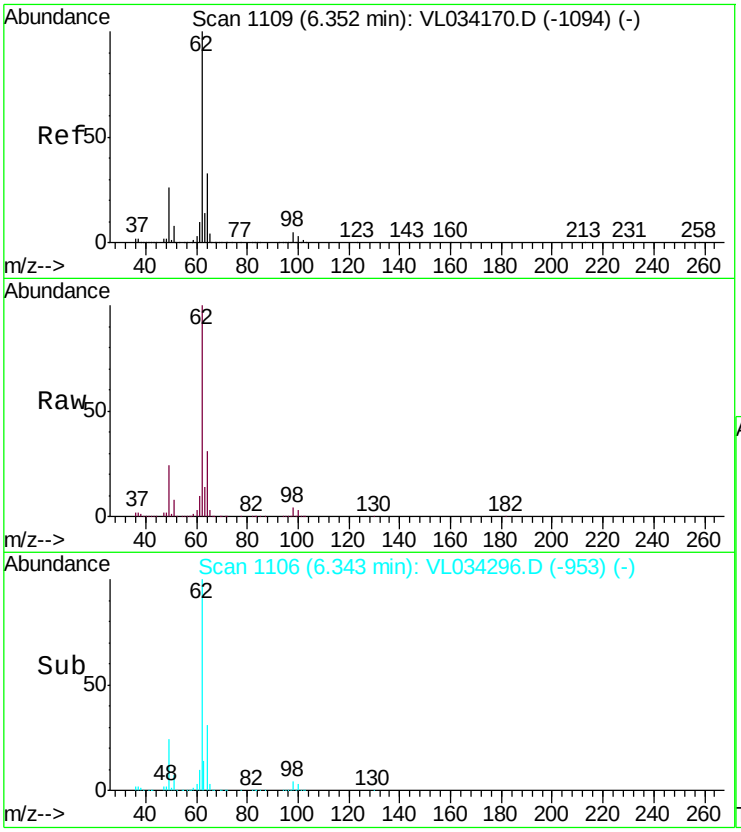


#36
Benzene
Concen: 9.109 ppbv
RT: 6.93 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 78 Resp: 1729068

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.4
50	23.4	18.9	28.3



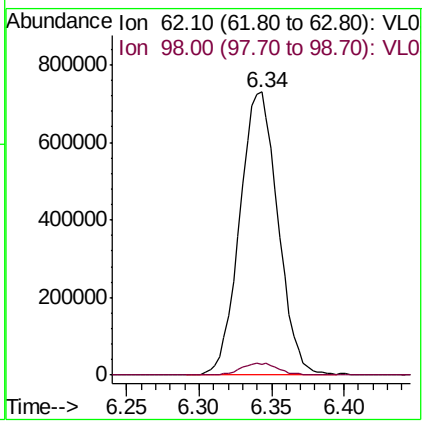


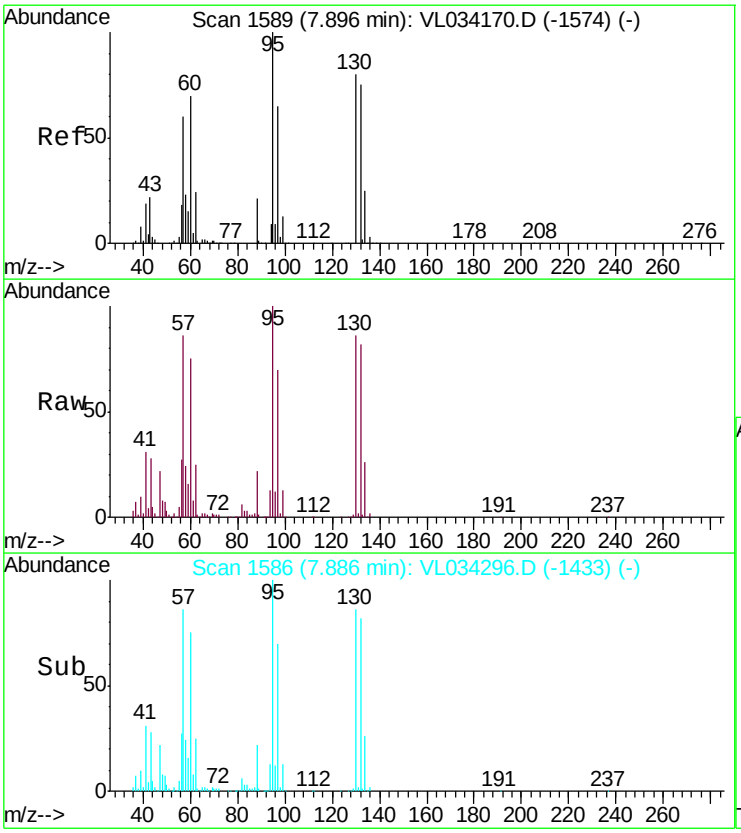
#37
1,2-Dichloroethane
Concen: 9.916 ppbv
RT: 6.34 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 1338856

Ion	Ratio	Lower	Upper
62	100		
98	4.3	3.8	5.8

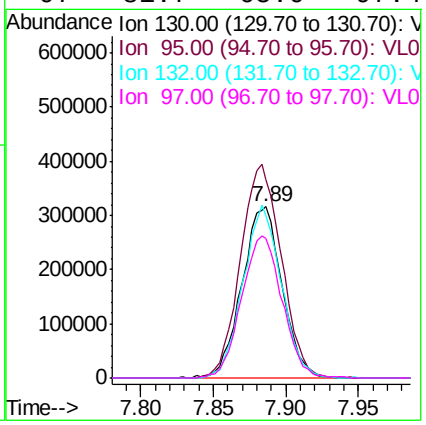


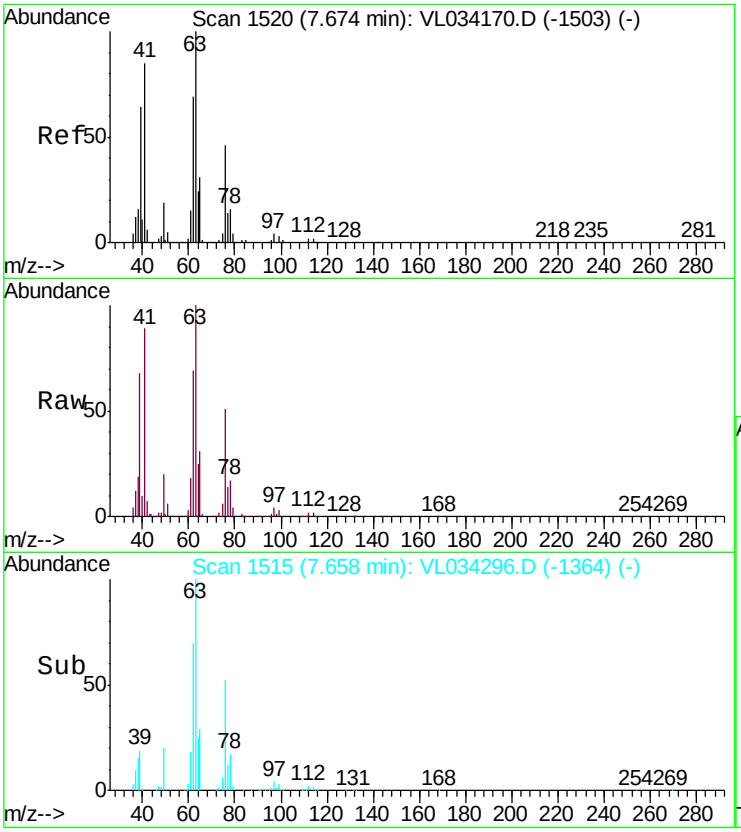


#38
Trichloroethene
Concen: 8.907 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:130 Resp: 604142

Ion	Ratio	Lower	Upper
130	100		
95	116.2	99.8	149.6
132	95.4	75.2	112.8
97	81.7	65.0	97.4



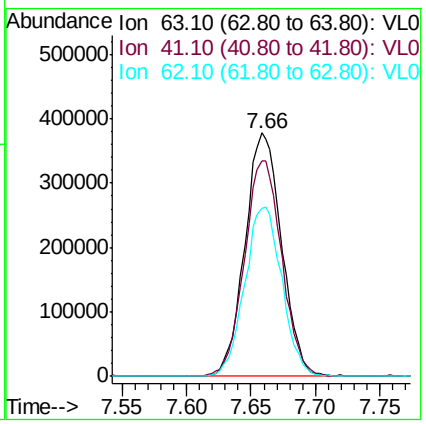


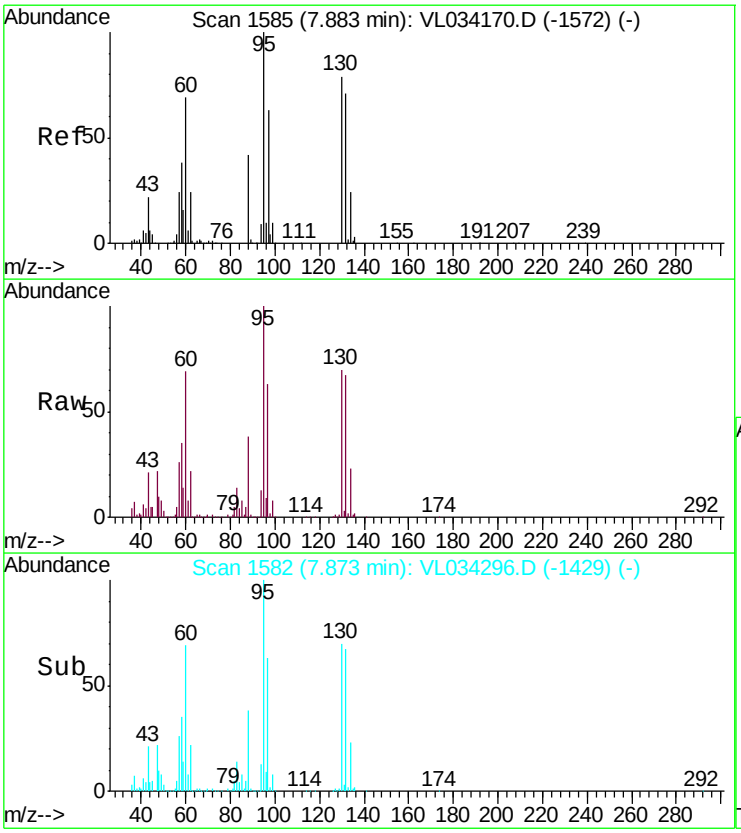
#39
1,2-Dichloropropane
Concen: 8.776 ppbv
RT: 7.66 min Scan# 1515
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 63 Resp: 748538

Ion	Ratio	Lower	Upper
63	100		
41	88.5	68.4	102.6
62	69.0	55.4	83.2

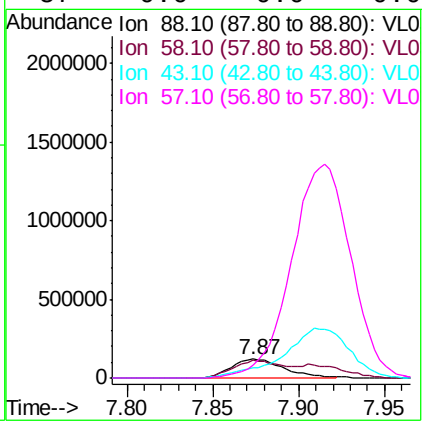


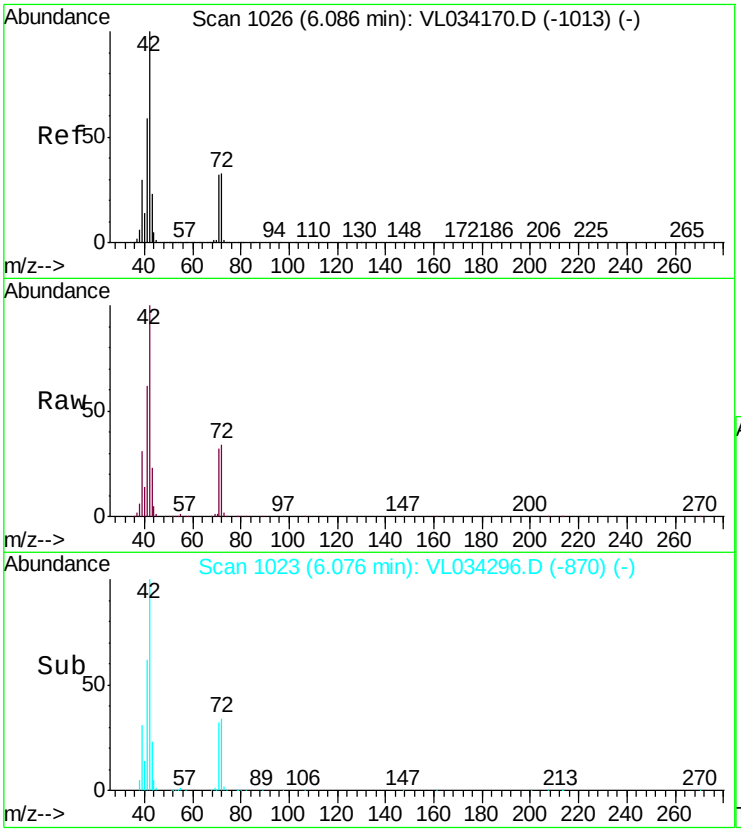


#40
1,4-Dioxane
Concen: 9.155 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 88 Resp: 252678

Ion	Ratio	Lower	Upper
88	100		
58	151.4	131.8	197.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0



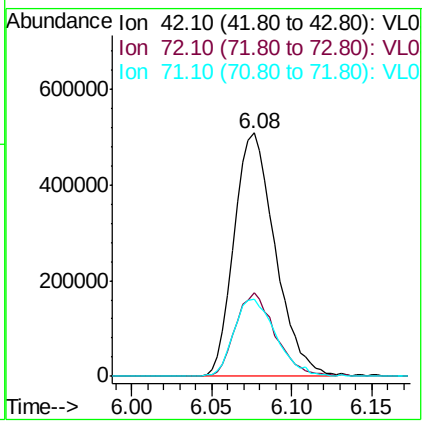


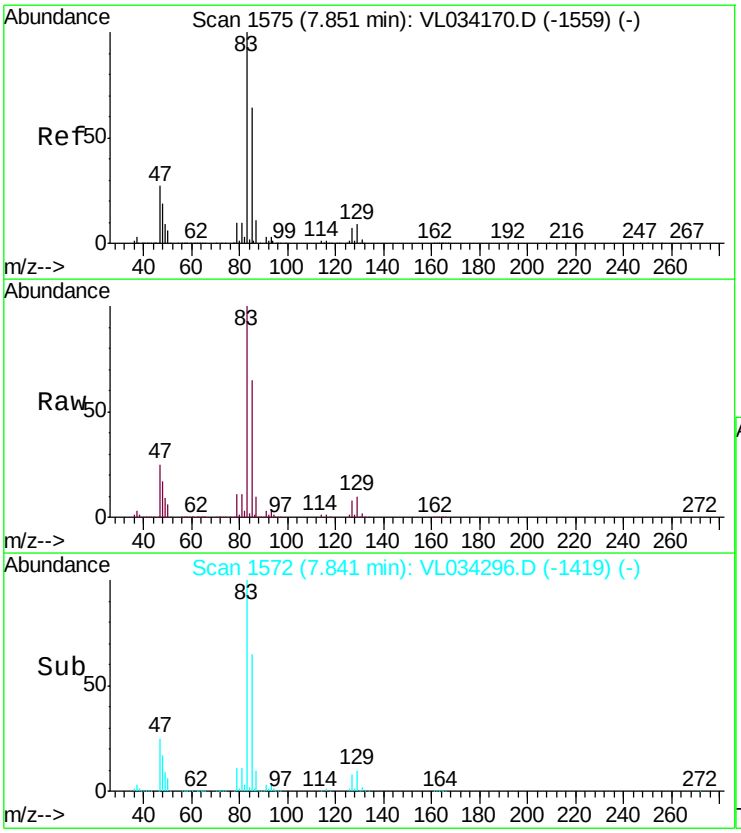
#41
Tetrahydrofuran
Concen: 9.005 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 890058

Ion	Ratio	Lower	Upper
42	100		
72	33.5	26.6	40.0
71	32.7	25.1	37.7

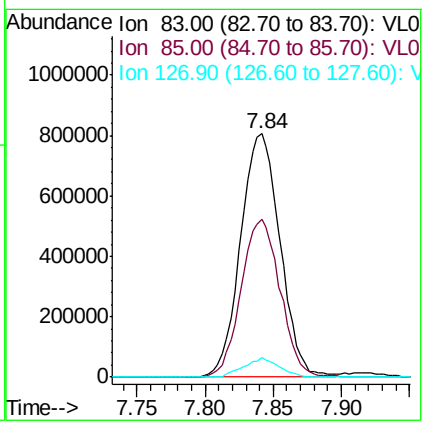


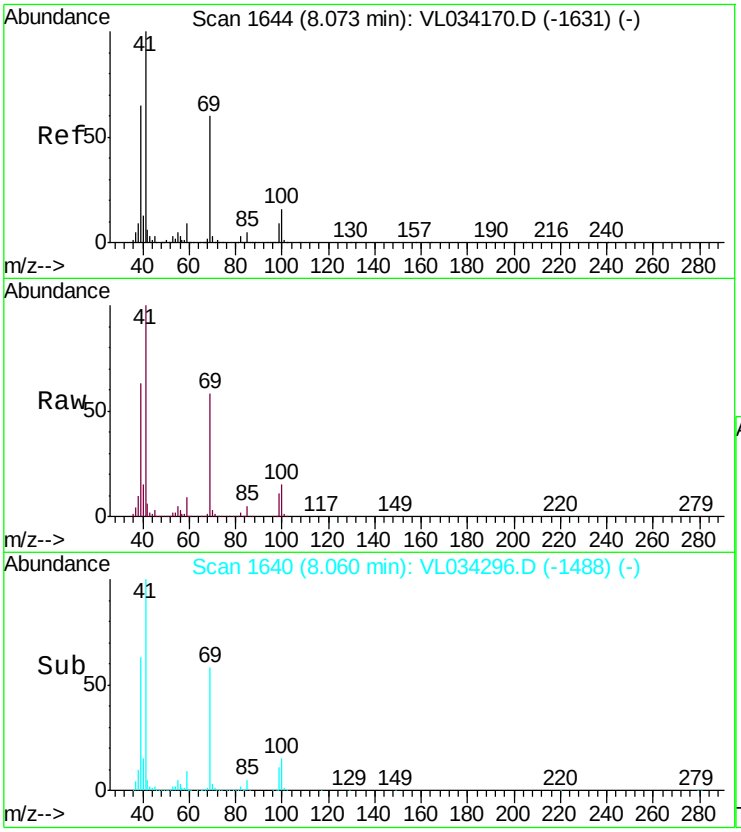


#42
Bromodichloromethane
Concen: 9.993 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 83 Resp: 1619274

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.0
127	8.3	5.5	8.3



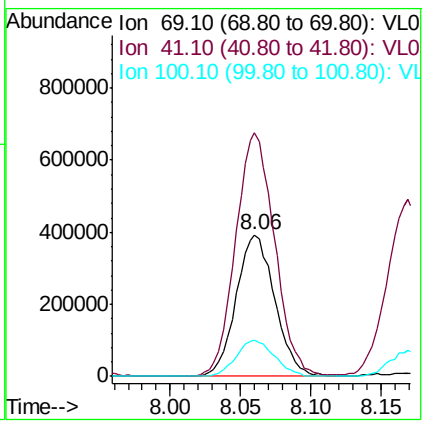


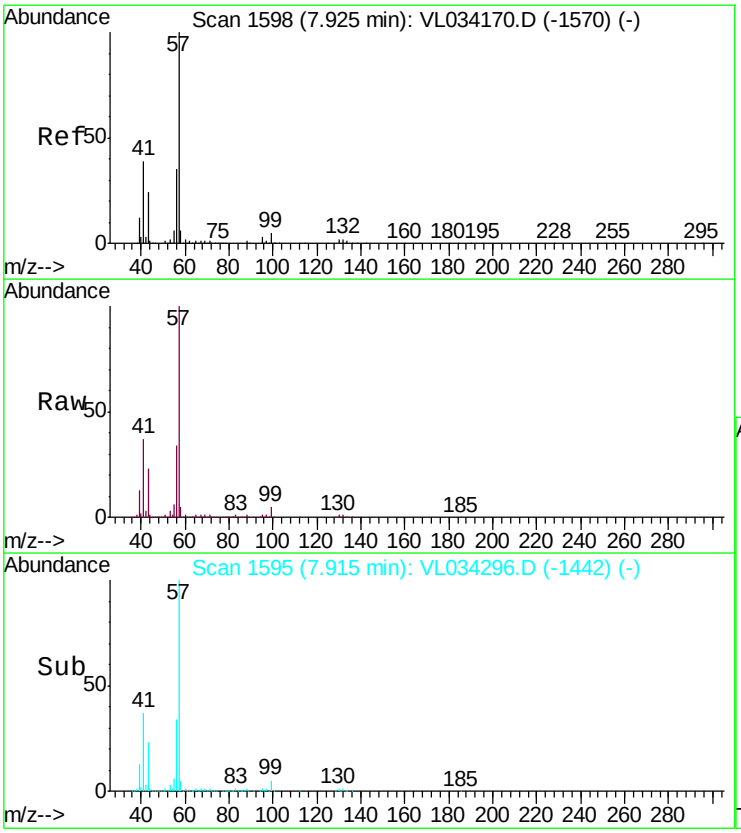
#43
Methyl Methacrylate
Concen: 9.580 ppbv
RT: 8.06 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 751230

Ion	Ratio	Lower	Upper
69	100		
41	173.9	140.4	210.6
100	25.9	21.9	32.9

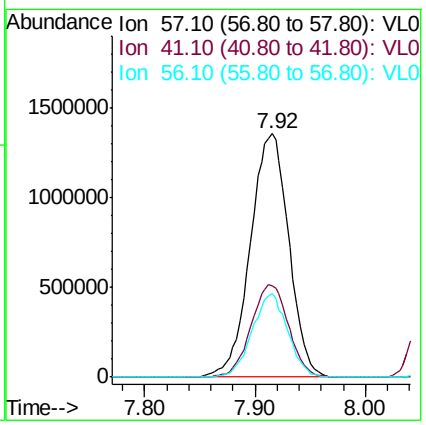


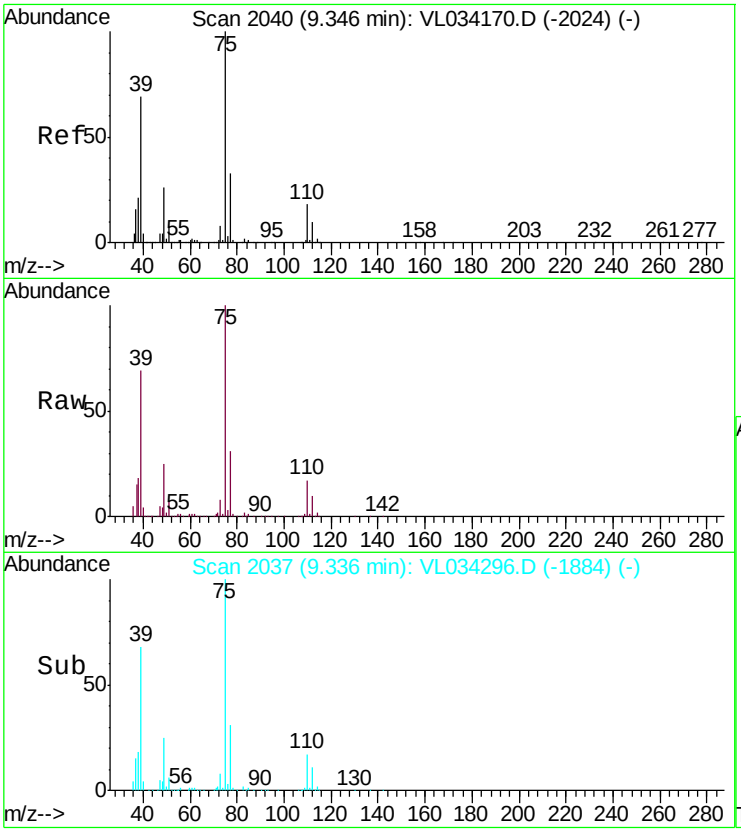


#44
2,2,4-Trimethylpentane
Concen: 8.980 ppbv
RT: 7.92 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 57 Resp: 3281748

Ion	Ratio	Lower	Upper
57	100		
41	37.1	29.8	44.6
56	31.7	25.9	38.9



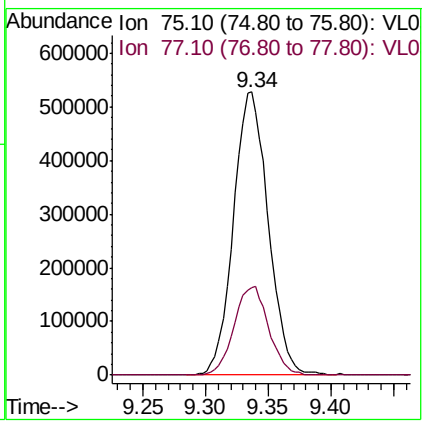


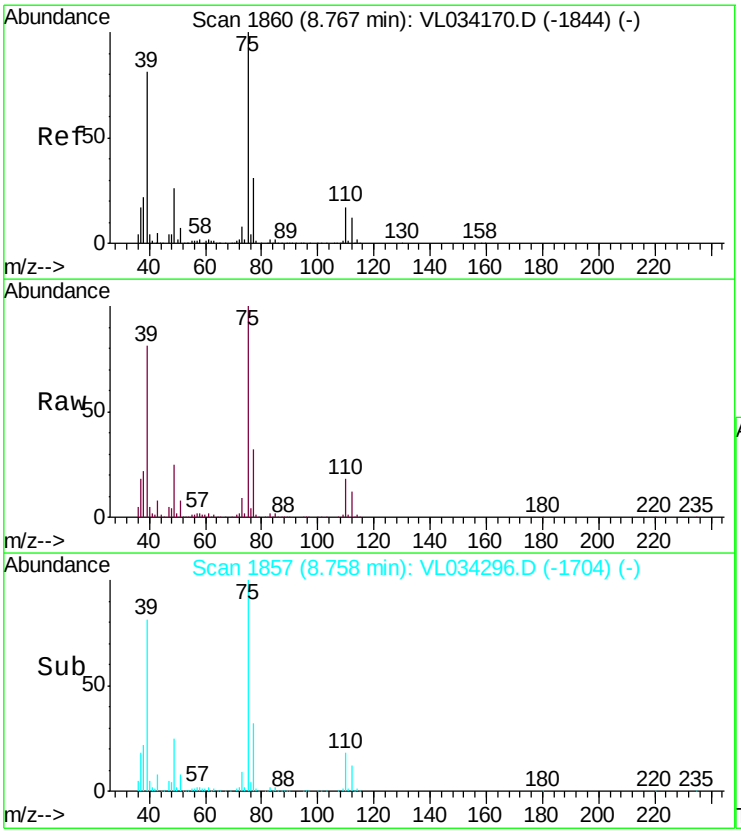
#45
t-1,3-Dichloropropene
Concen: 10.959 ppbv
RT: 9.34 min Scan# 2037
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 1016106

Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.2	39.2

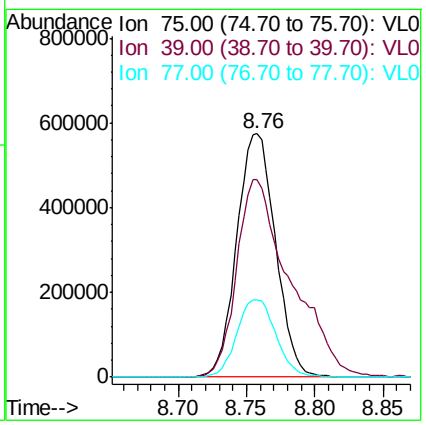


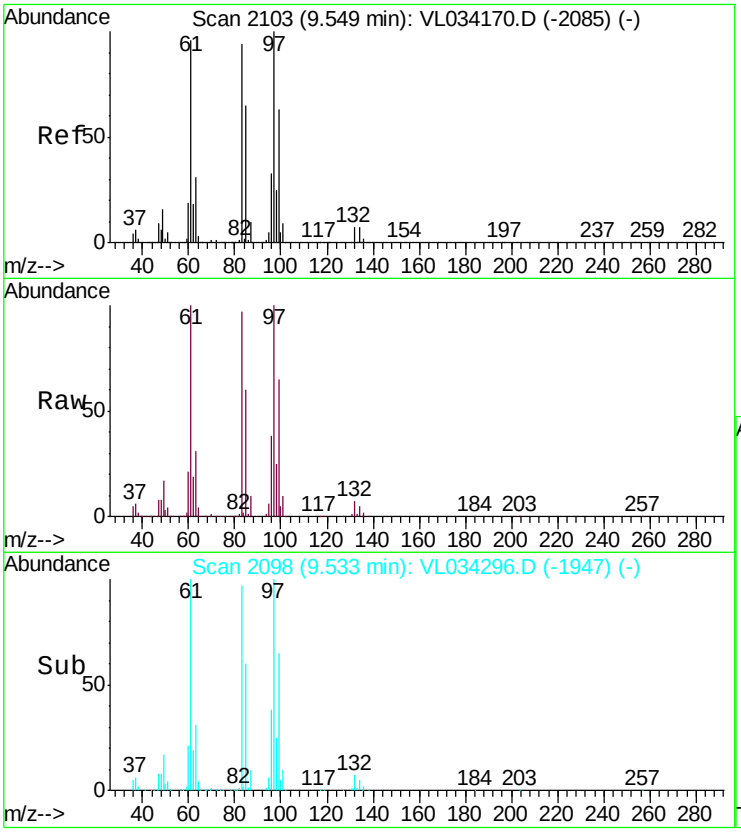


#46
cis-1,3-Dichloropropene
Concen: 10.141 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 75 Resp: 1131054

Ion	Ratio	Lower	Upper
75	100		
39	81.0	65.0	97.4
77	32.0	24.5	36.7



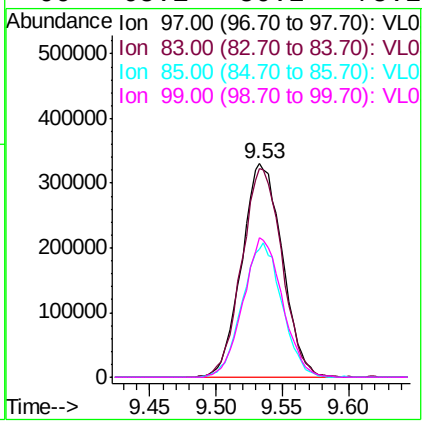


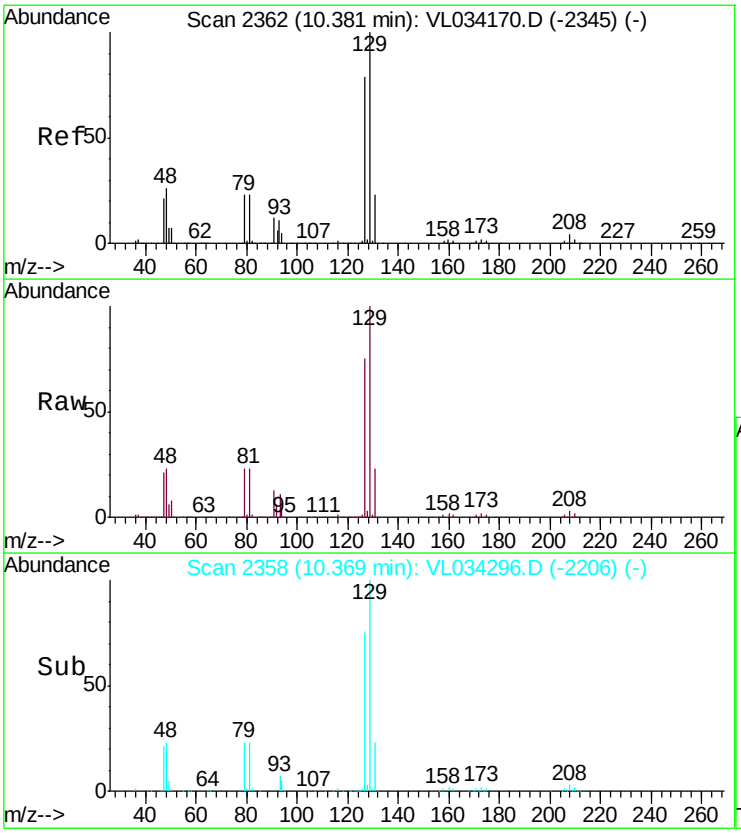
#47
1,1,2-Trichloroethane
Concen: 9.170 ppbv
RT: 9.53 min Scan# 2098
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 702275

Ion	Ratio	Lower	Upper
97	100		
83	97.6	75.3	112.9
85	59.9	52.1	78.1
99	65.1	50.2	75.2

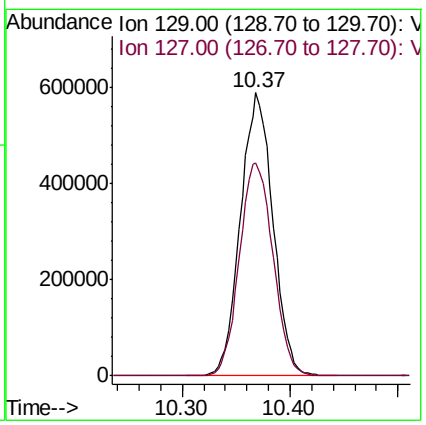


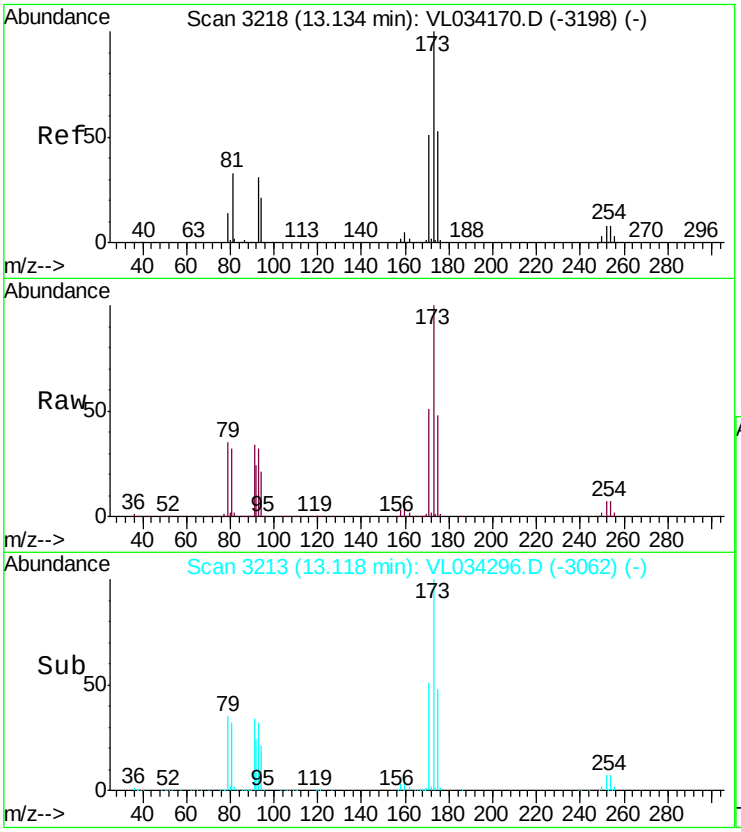


#48
Dibromochloromethane
Concen: 10.162 ppbv
RT: 10.37 min Scan# 2358
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:129 Resp: 1233602

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.2	117.6



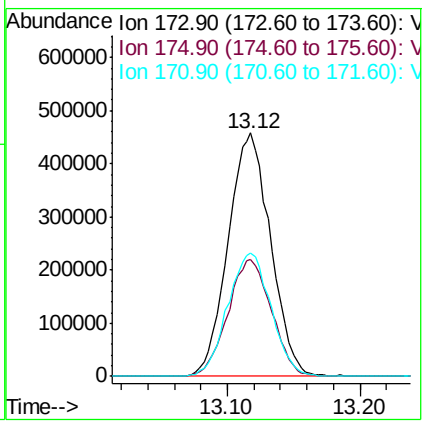


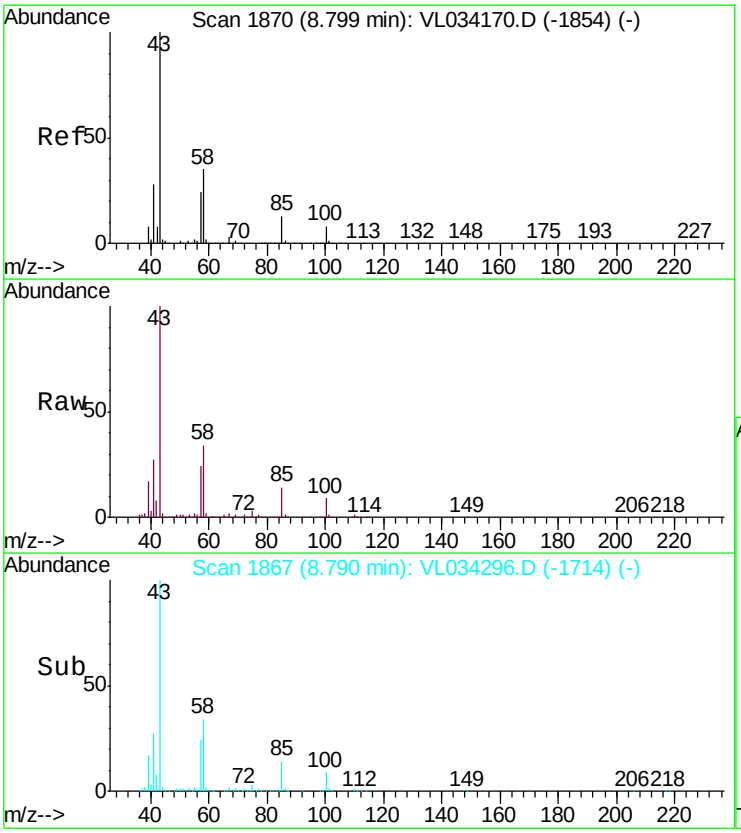
#49
Bromoform
Concen: 10.298 ppbv
RT: 13.12 min Scan# 3213
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:173 Resp: 1011570

Ion	Ratio	Lower	Upper
173	100		
175	49.5	40.3	60.5
171	51.8	42.0	63.0

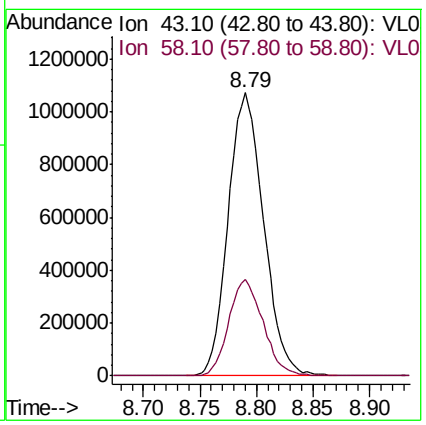


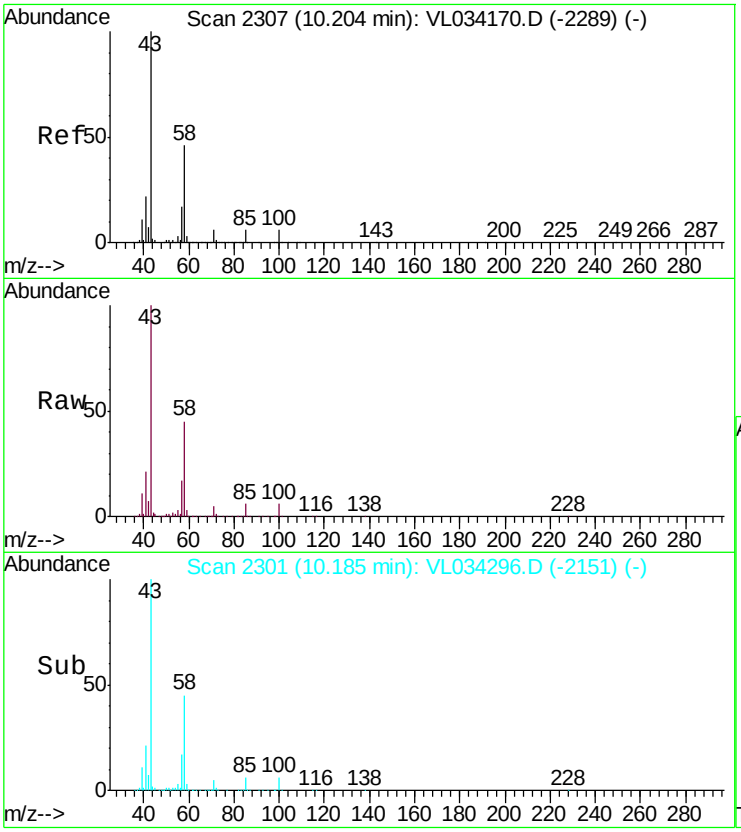


#50
4-Methyl-2-Pentanone
Concen: 9.164 ppbv
RT: 8.79 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 43 Resp: 2340451

Ion	Ratio	Lower	Upper
43	100		
58	33.0	27.6	41.4



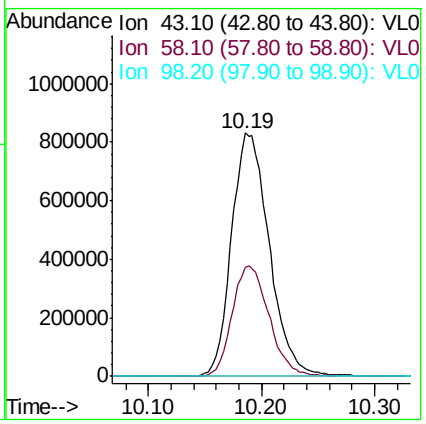


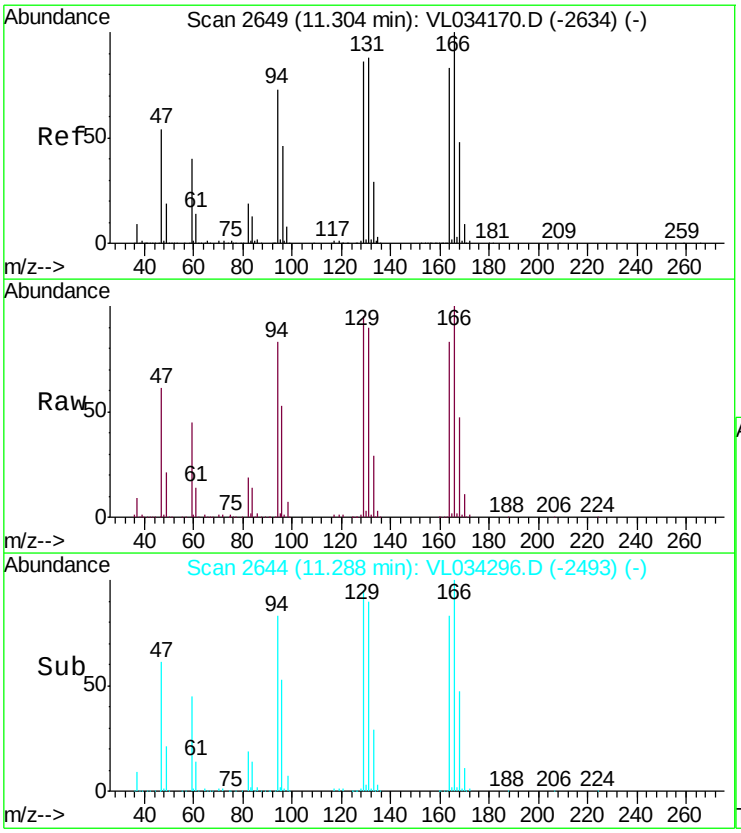
#51
2-Hexanone
Concen: 8.985 ppbv
RT: 10.19 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1925966

Ion	Ratio	Lower	Upper
43	100		
58	44.6	36.2	54.4
98	0.1	0.2	0.2#

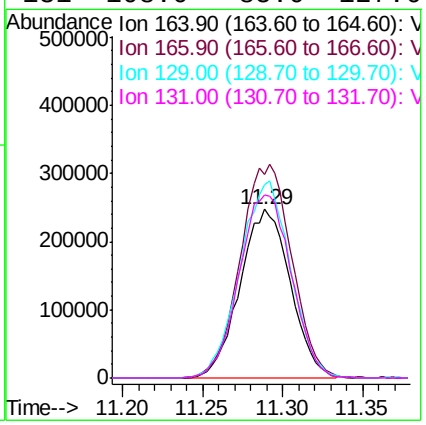


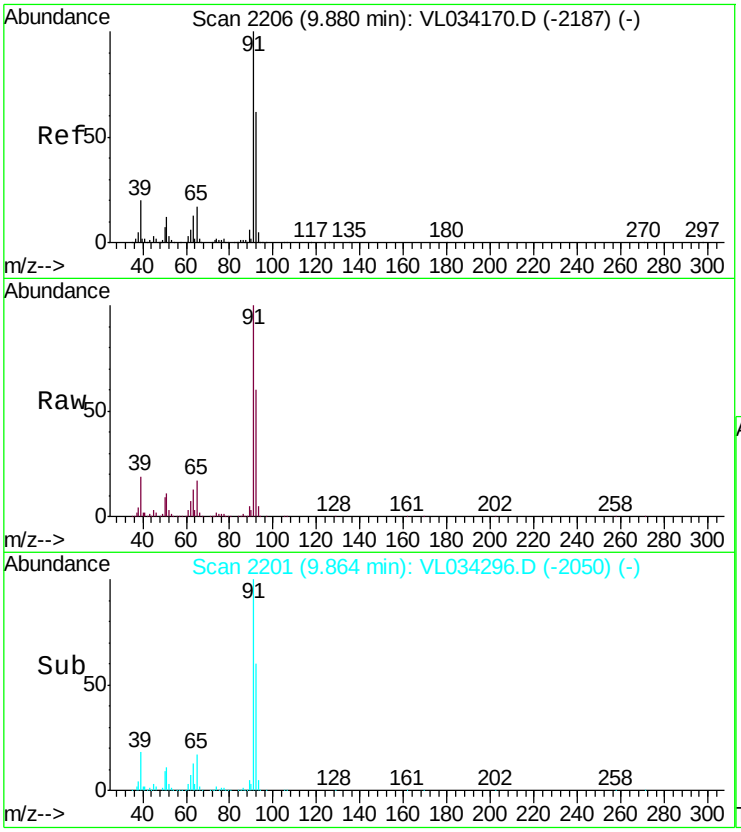


#52
Tetrachloroethene
Concen: 8.503 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:164 Resp: 533306

Ion	Ratio	Lower	Upper
164	100		
166	120.5	96.7	145.1
129	114.3	82.8	124.2
131	108.0	85.0	127.6



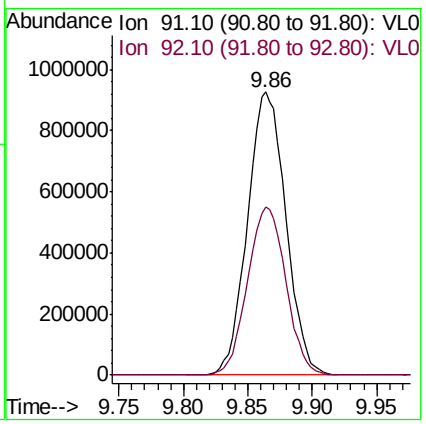


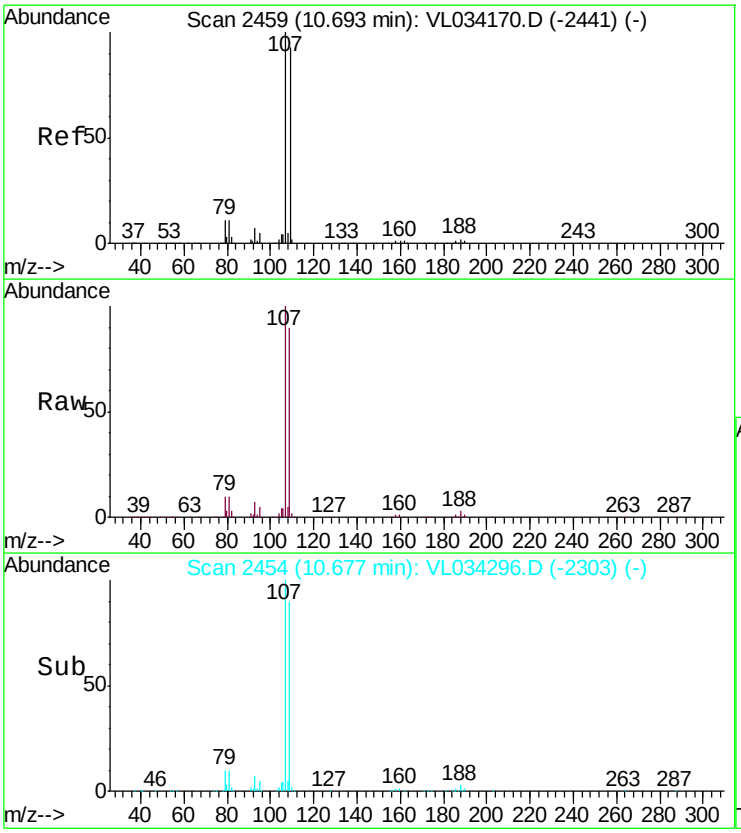
#53
Toluene
Concen: 9.269 ppbv
RT: 9.86 min Scan# 2201
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 1923039

Ion	Ratio	Lower	Upper
91	100		
92	59.5	49.0	73.6

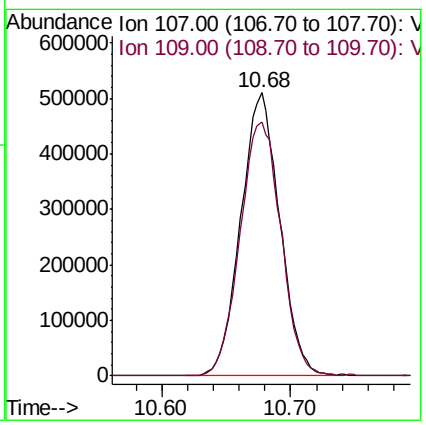


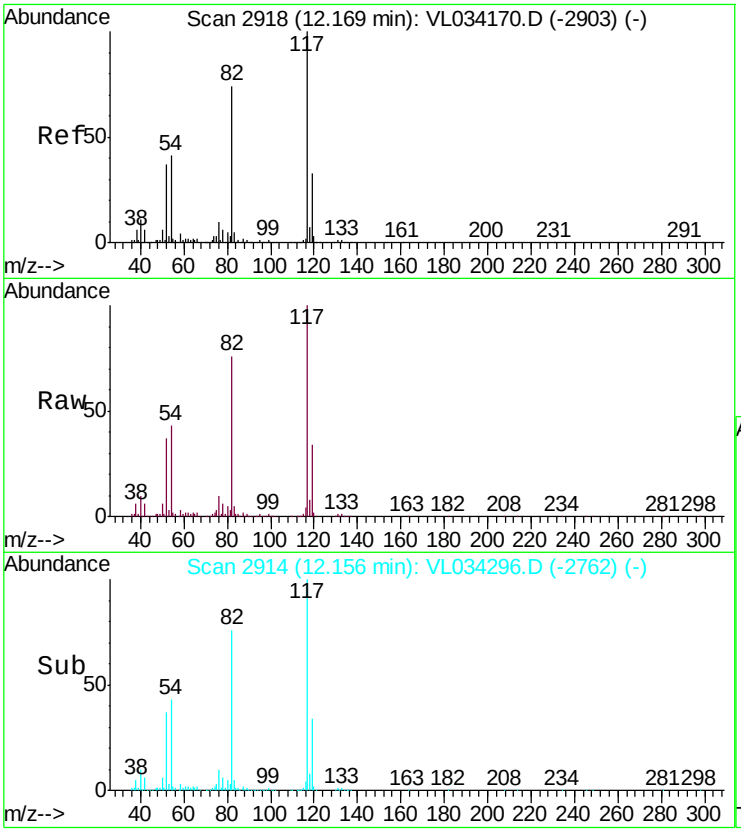


#54
1,2-Dibromoethane
Concen: 9.420 ppbv
RT: 10.68 min Scan# 2454
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:107 Resp: 1072920

Ion	Ratio	Lower	Upper
107	100		
109	89.7	74.5	111.7



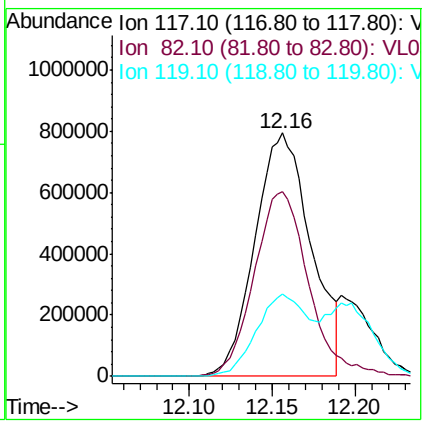


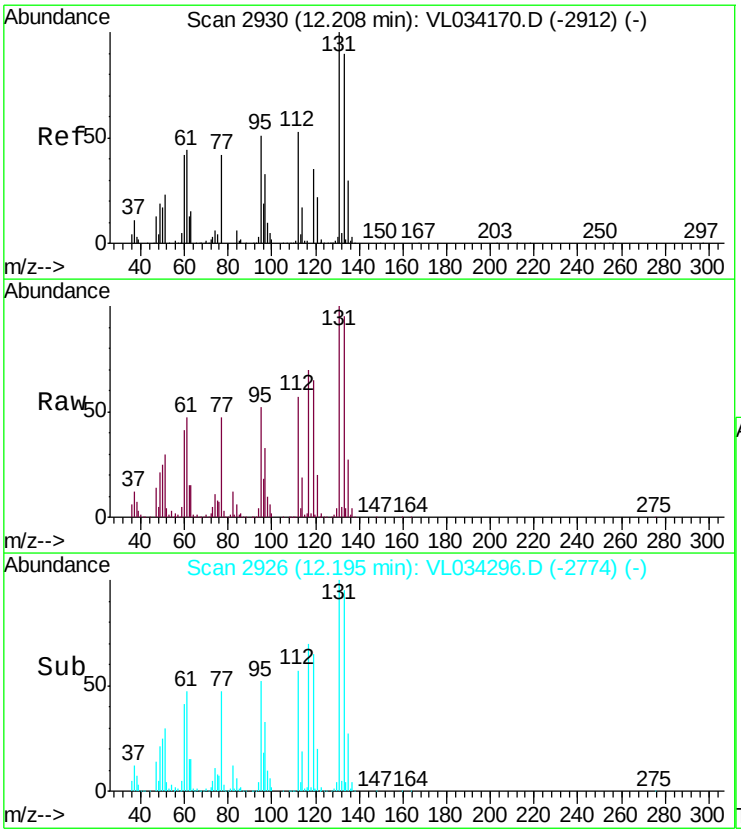
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 1872732

Ion	Ratio	Lower	Upper
117	100		
82	73.8	58.2	87.4
119	32.3	23.7	35.5

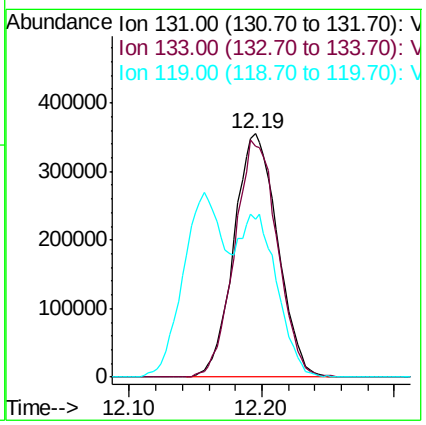


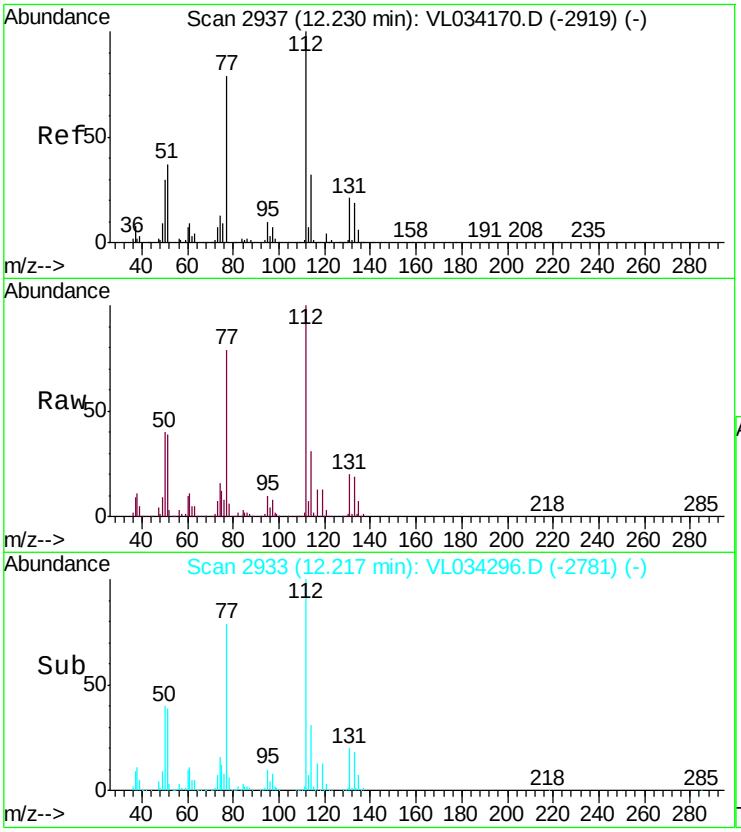


#56
1,1,1,2-Tetrachloroethane
Concen: 9.706 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:131 Resp: 810592

Ion	Ratio	Lower	Upper
131	100		
133	95.9	75.1	112.7
119	57.8	47.4	71.0



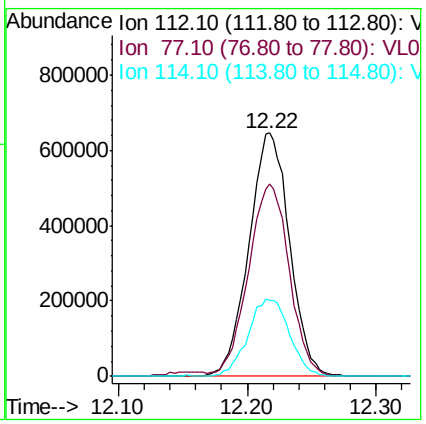


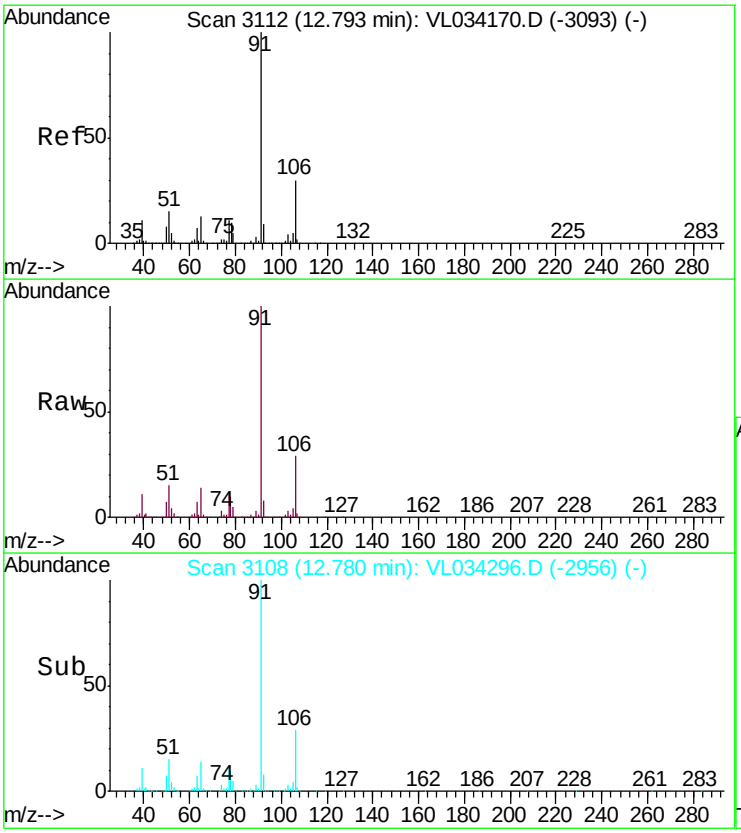
#57
Chlorobenzene
Concen: 8.683 ppbv
RT: 12.22 min Scan# 2933
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 1415714

Ion	Ratio	Lower	Upper
112	100		
77	78.5	64.3	96.5
114	30.9	28.9	35.3

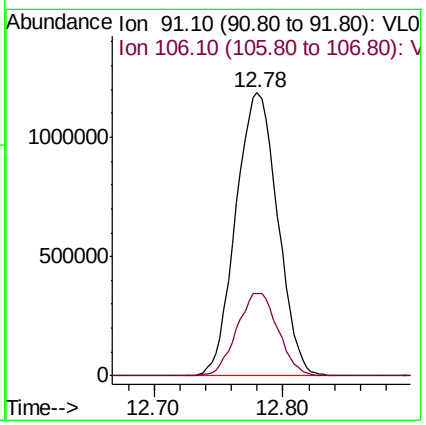


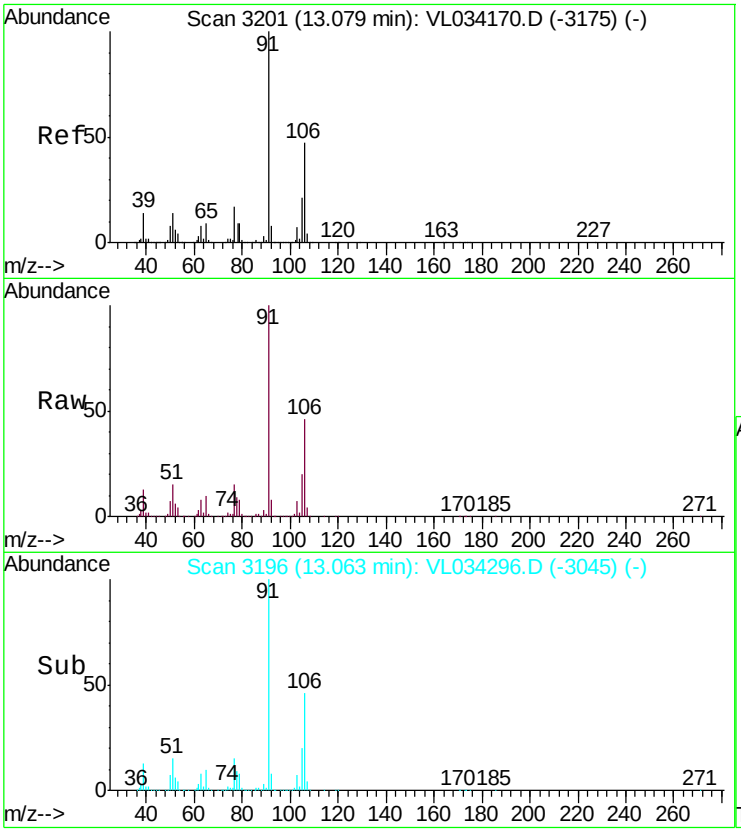


#58
Ethyl Benzene
Concen: 8.870 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 91 Resp: 2680315

Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.2	36.4



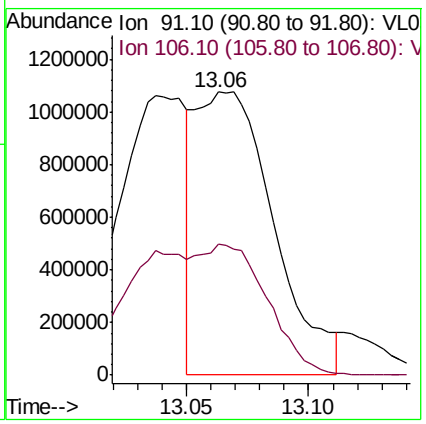


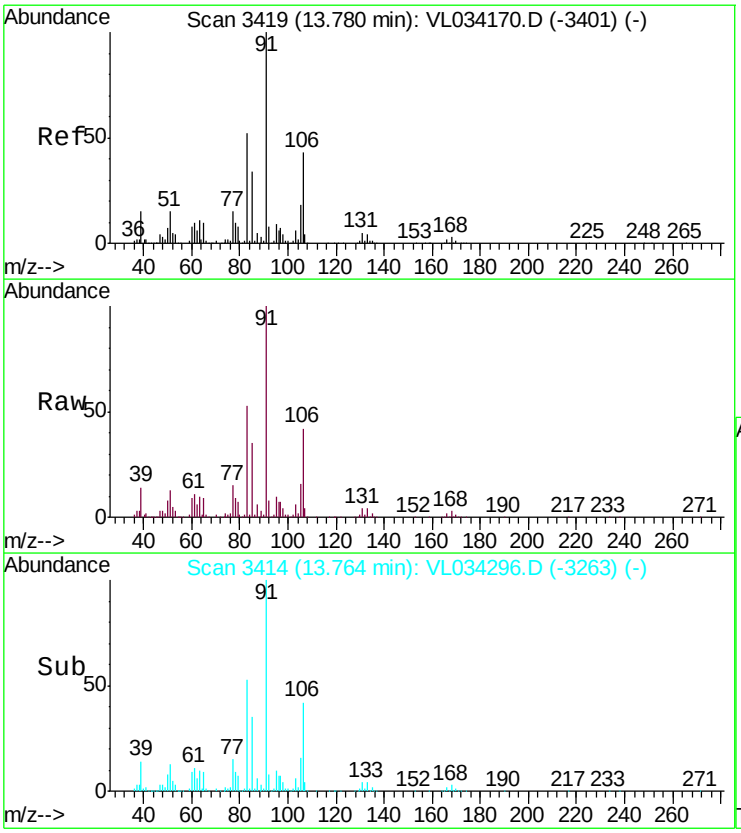
#59
m/p-Xylene
Concen: 9.547 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2389305

Ion	Ratio	Lower	Upper
91	100		
106	79.5	35.5	53.3#

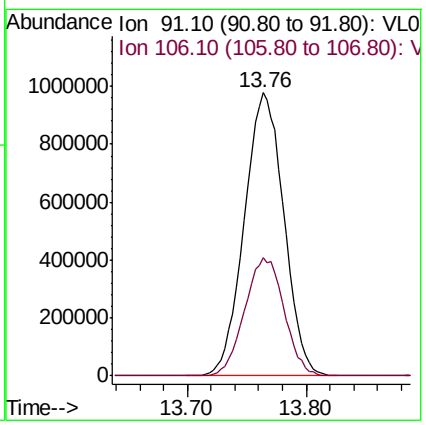


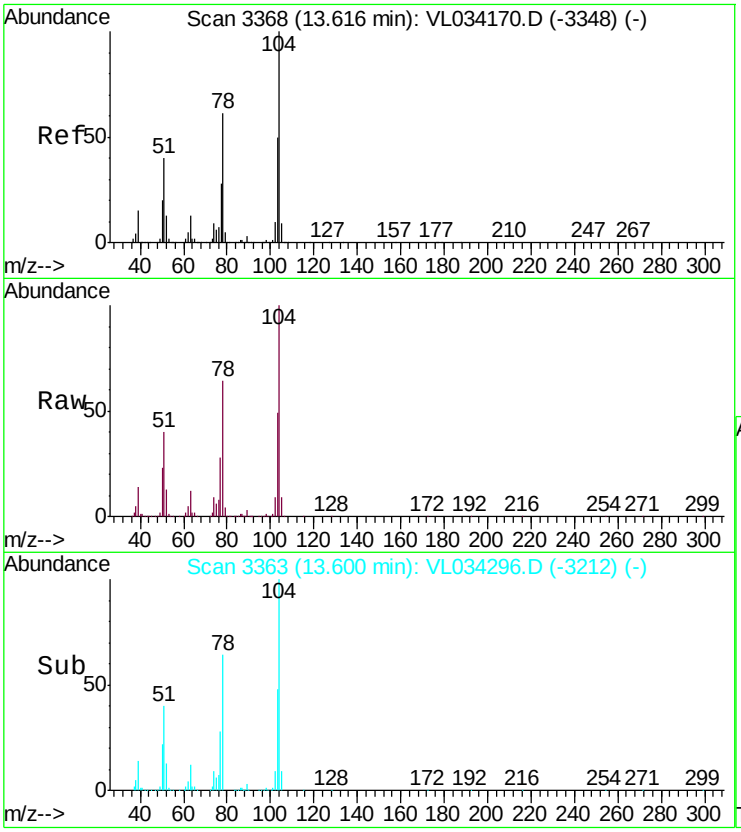


#60
o-Xylene
Concen: 8.967 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 91 Resp: 2244030

Ion	Ratio	Lower	Upper
91	100		
106	41.7	21.2	63.6



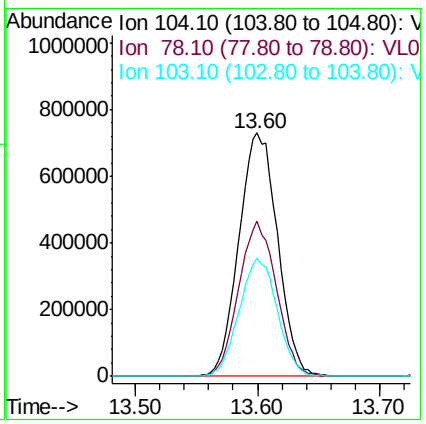


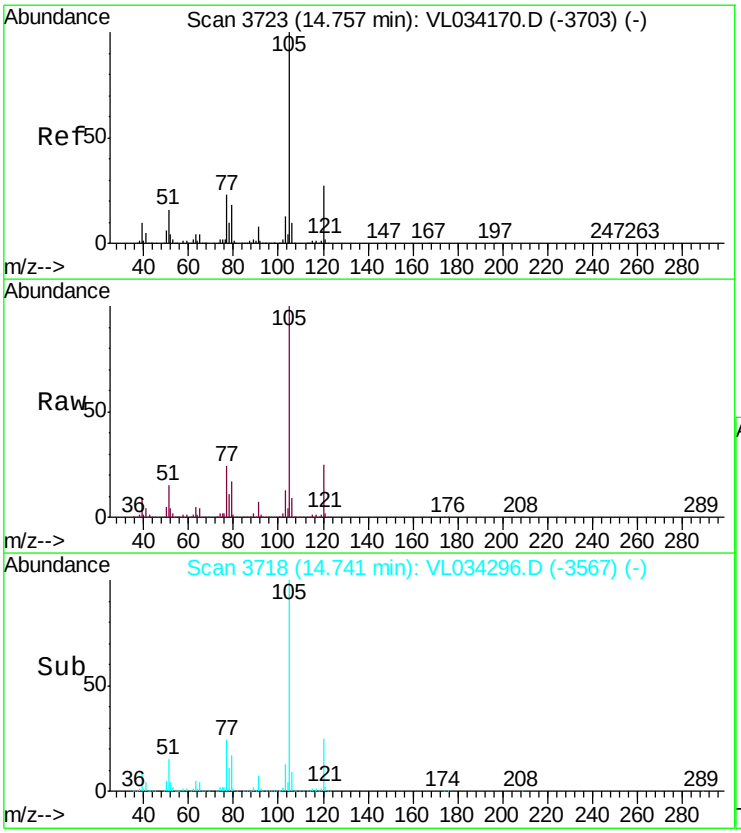
#61
Styrene
Concen: 8.919 ppbv
RT: 13.60 min Scan# 3363
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 1598881

Ion	Ratio	Lower	Upper
104	100		
78	62.3	49.7	74.5
103	47.6	38.4	57.6

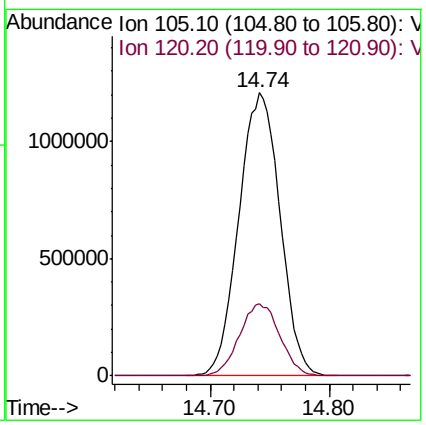


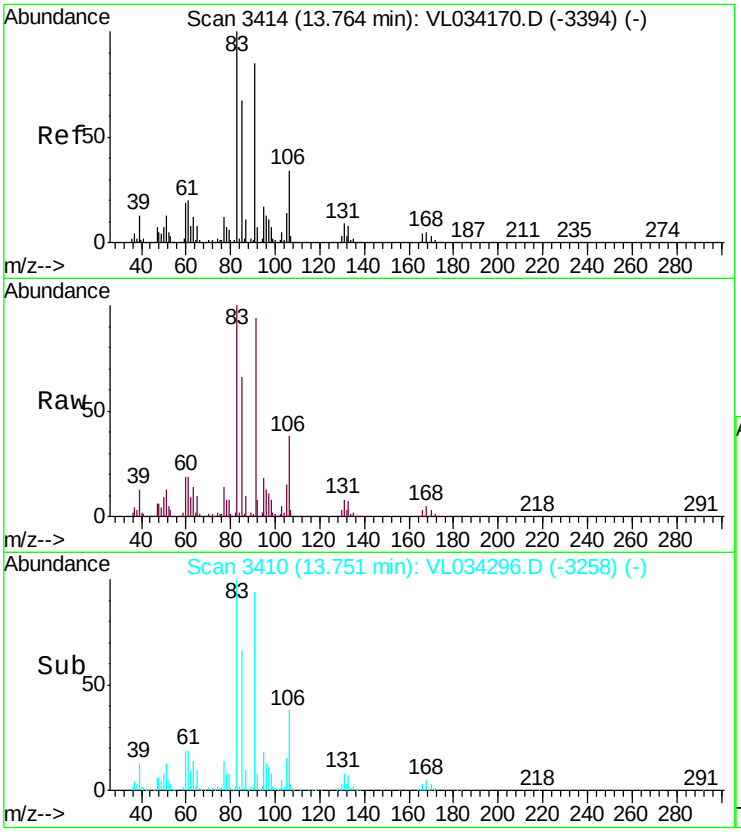


#62
Isopropylbenzene
Concen: 8.939 ppbv
RT: 14.74 min Scan# 3718
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:105 Resp: 2896069

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.7	31.1



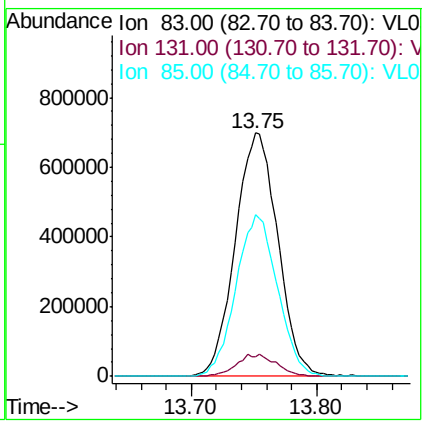


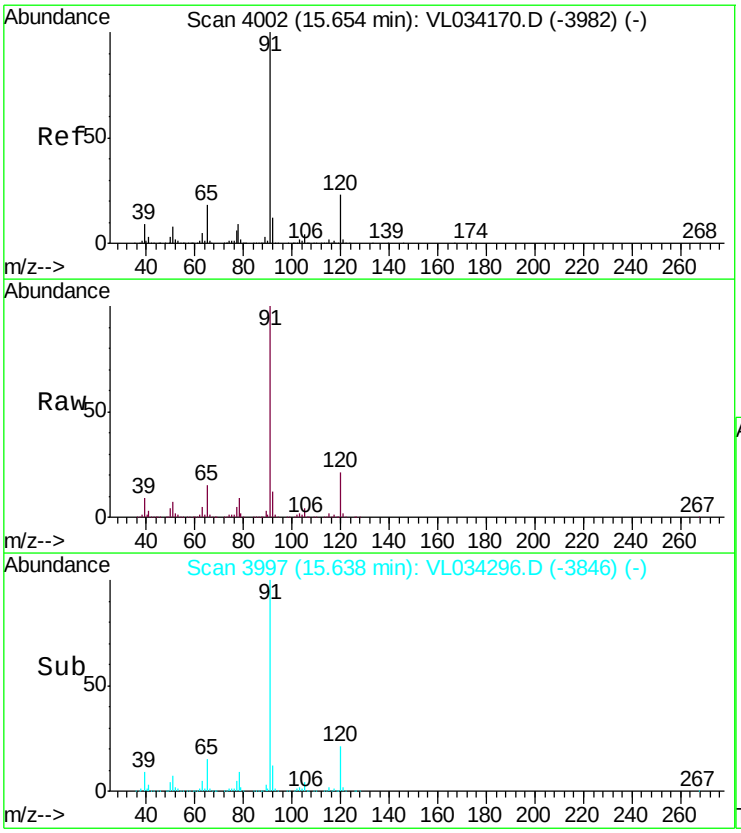
#63
1,1,2,2-Tetrachloroethane
Concen: 7.995 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1640795

Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.3	12.8
85	65.2	32.8	98.4

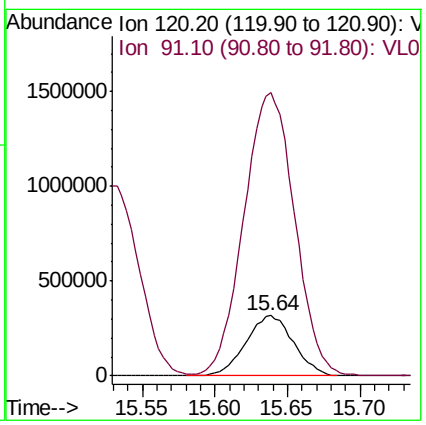


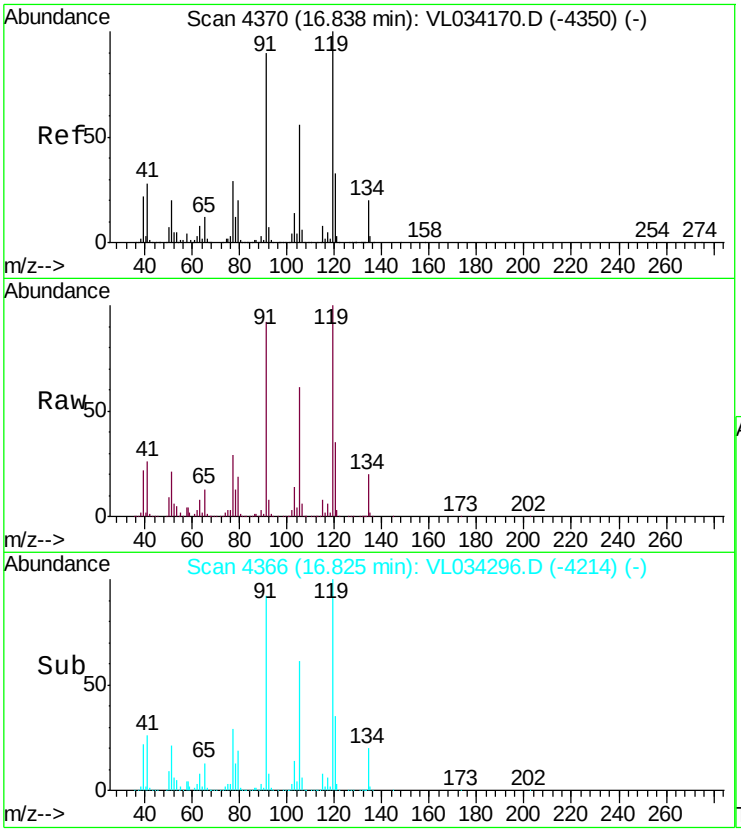


#64
n-propylbenzene
Concen: 8.892 ppbv
RT: 15.64 min Scan# 3997
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:120 Resp: 728783

Ion	Ratio	Lower	Upper
120	100		
91	499.7	378.2	567.2



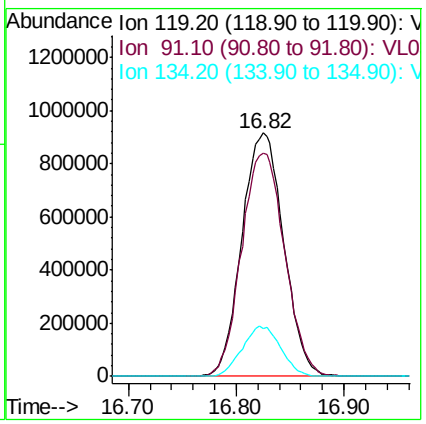


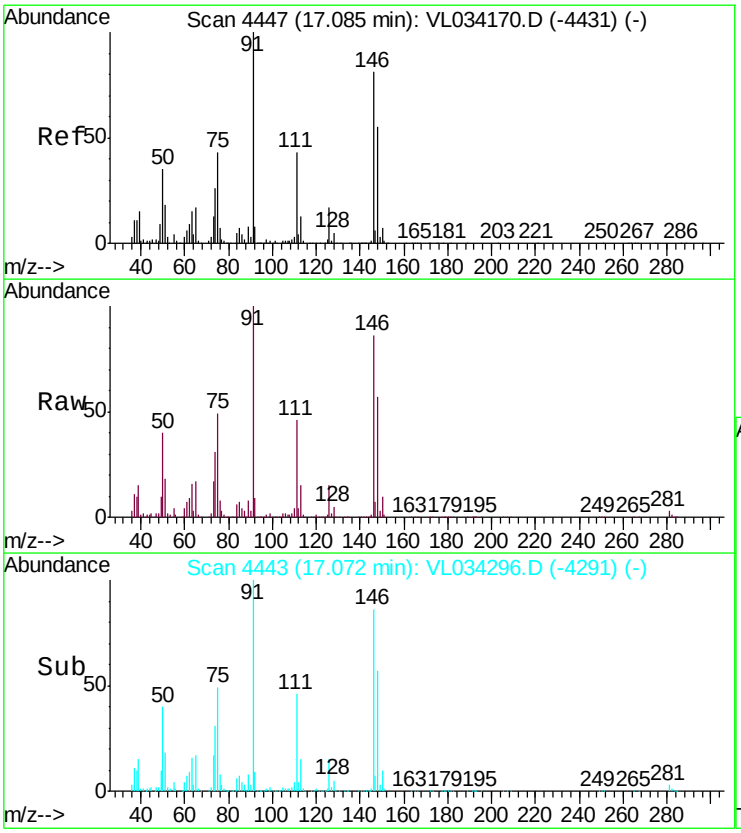
#65
tert-Butylbenzene
Concen: 8.712 ppbv
RT: 16.82 min Scan# 4366
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 2466269

Ion	Ratio	Lower	Upper
119	100		
91	94.8	74.9	112.3
134	19.1	15.8	23.6

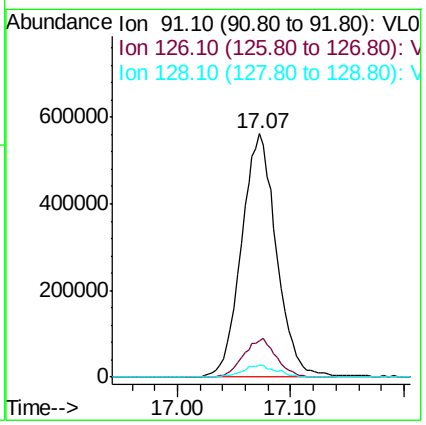


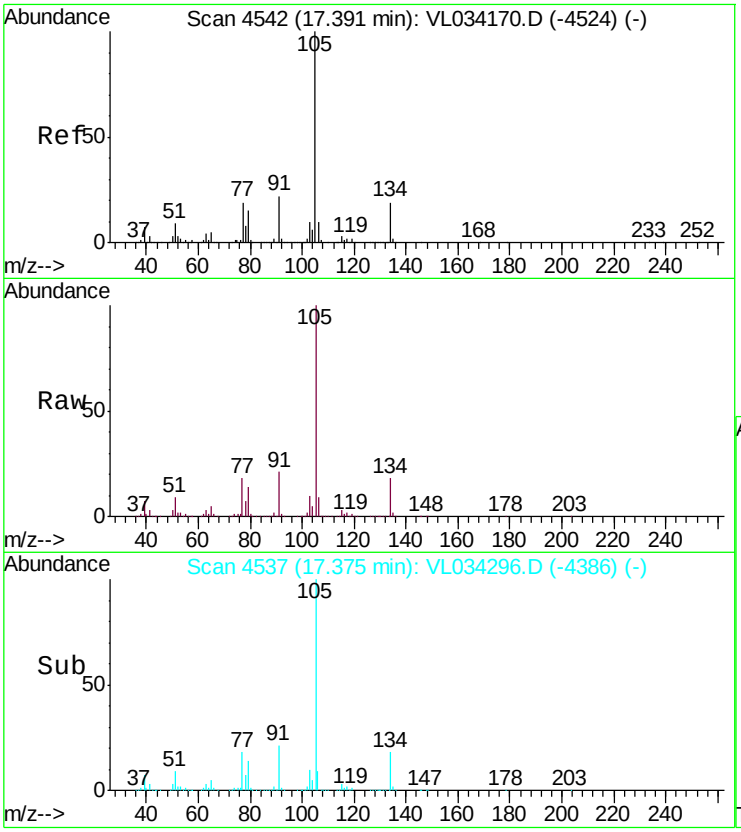


#66
Benzyl Chloride
Concen: 12.021 ppbv
RT: 17.07 min Scan# 4443
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 91 Resp: 1203860

Ion	Ratio	Lower	Upper
91	100		
126	15.0	12.6	19.0
128	4.8	4.0	6.0



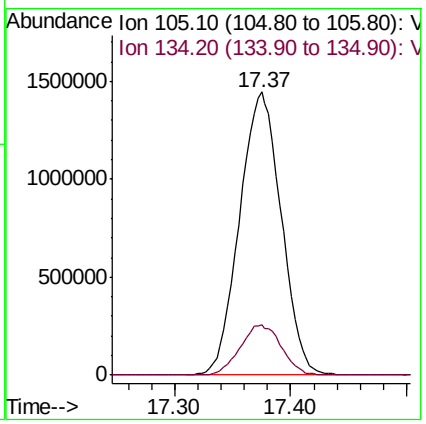


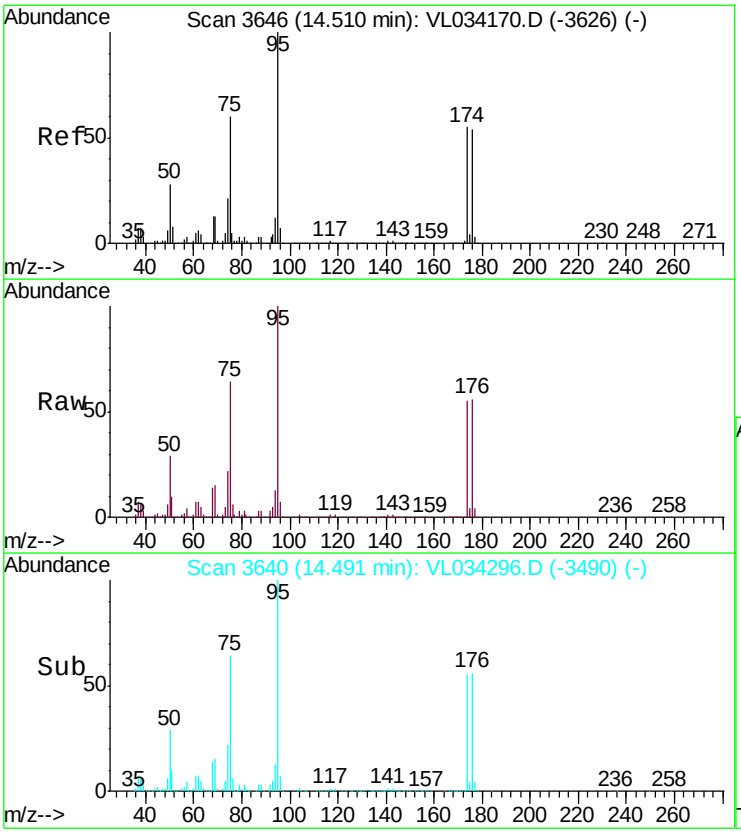
#67
sec-Butylbenzene
Concen: 8.885 ppbv
RT: 17.37 min Scan# 4537
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:105 Resp: 3596496

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.6	22.0

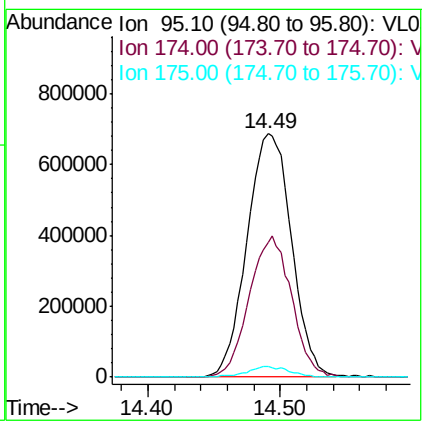


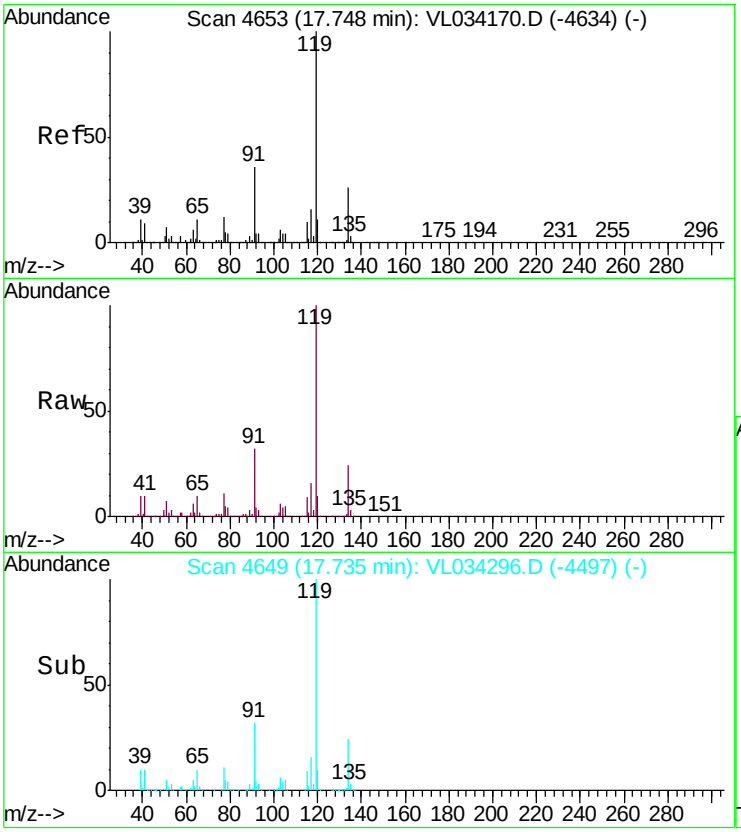


#68
1-Bromo-4-Fluorobenzene
Concen: 9.853 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 95 Resp: 1603285

Ion	Ratio	Lower	Upper
95	100		
174	55.2	45.1	67.7
175	4.1	3.3	4.9



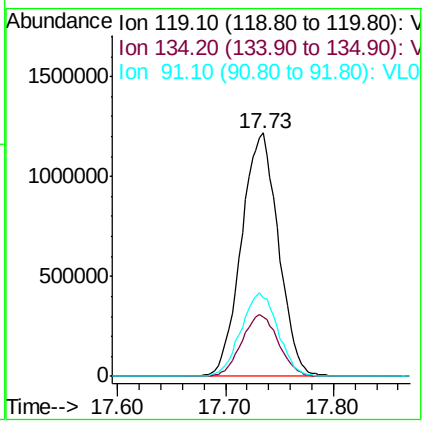


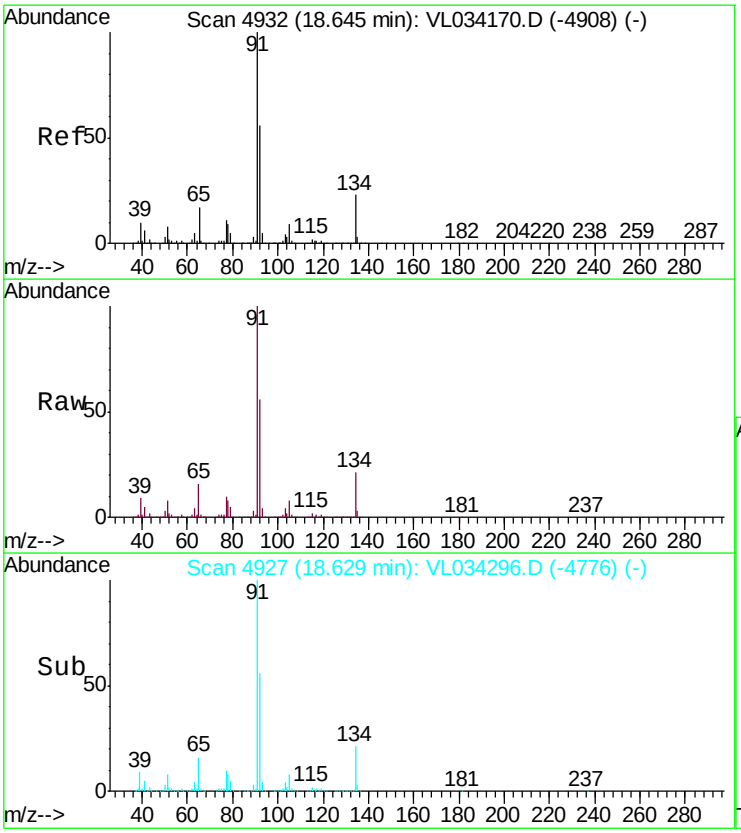
#69
p-Isopropyltoluene
Concen: 8.832 ppbv
RT: 17.73 min Scan# 4649
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 2894804

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	30.8
91	34.3	27.6	41.4

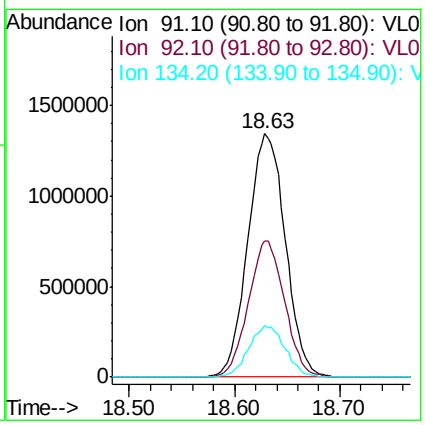


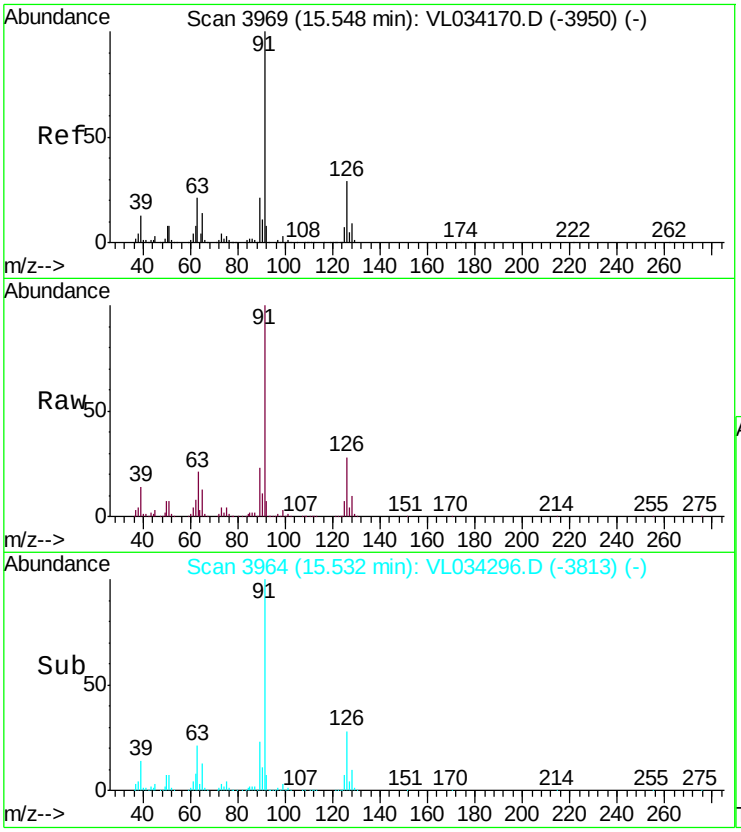


#70
n-Butylbenzene
Concen: 8.735 ppbv
RT: 18.63 min Scan# 4927
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion: 91 Resp: 3333634

Ion	Ratio	Lower	Upper
91	100		
92	54.0	44.8	67.2
134	20.4	17.3	25.9



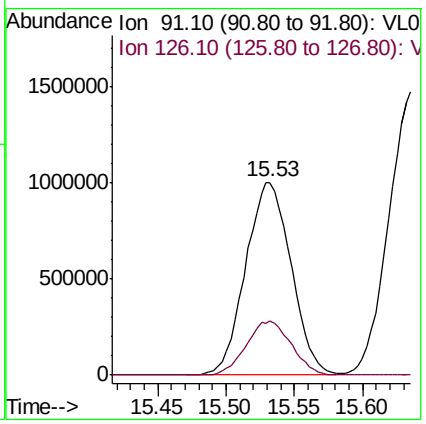


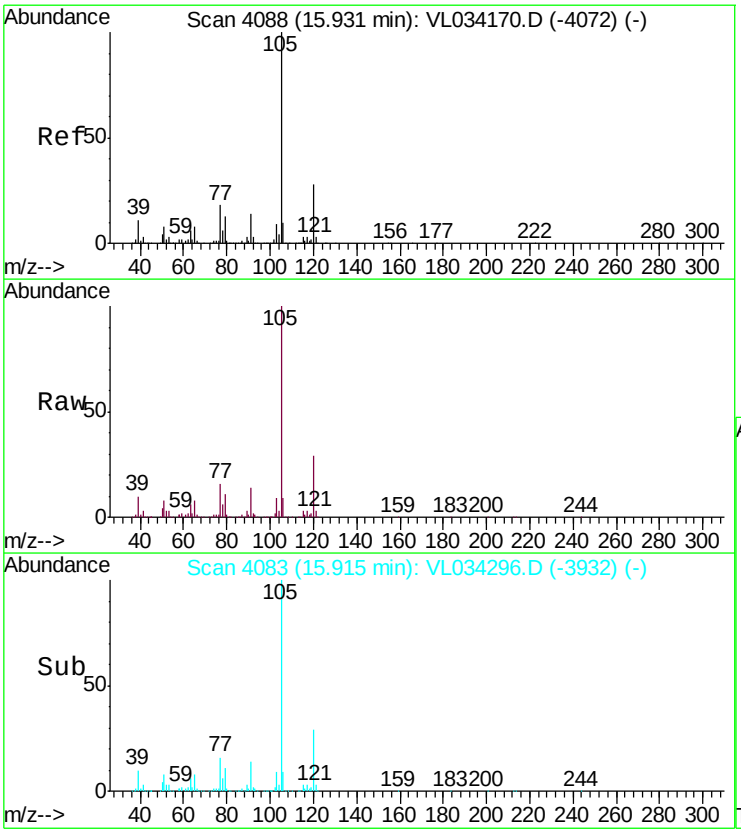
#71
2-Chlorotoluene
Concen: 8.760 ppbv
RT: 15.53 min Scan# 3964
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2318756

Ion	Ratio	Lower	Upper
91	100		
126	27.8	11.2	45.0

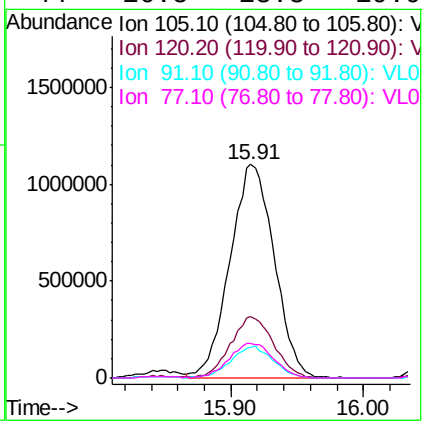


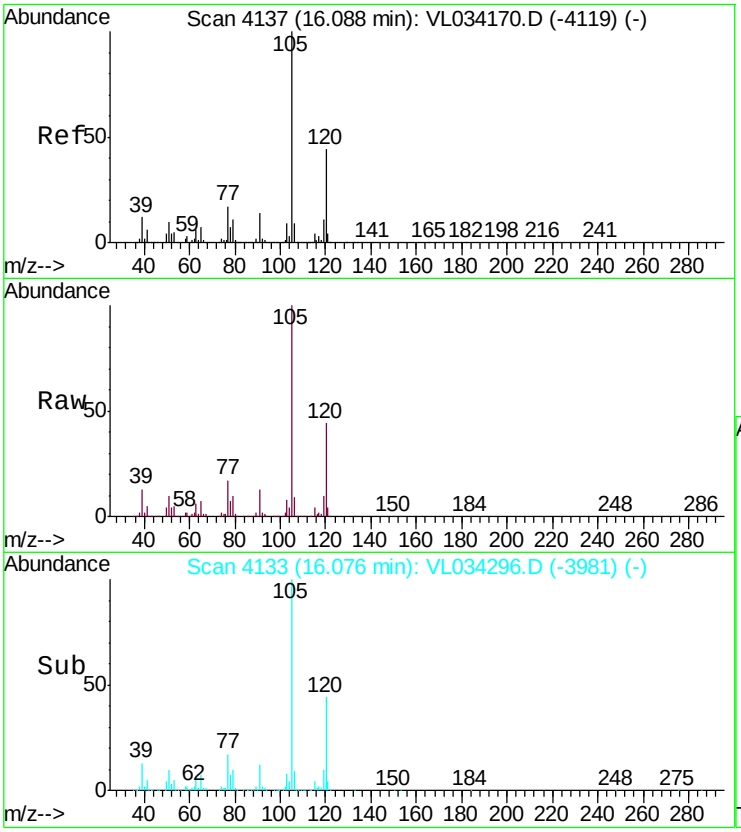


#72
4-Ethyltoluene
Concen: 8.961 ppbv
RT: 15.91 min Scan# 4083
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:105 Resp: 2533606

Ion	Ratio	Lower	Upper
105	100		
120	28.1	23.3	34.9
91	14.2	11.4	17.2
77	16.5	13.3	19.9



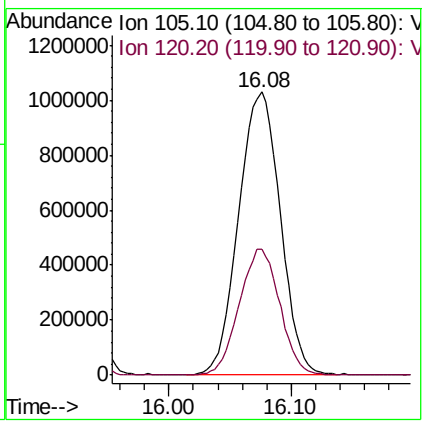


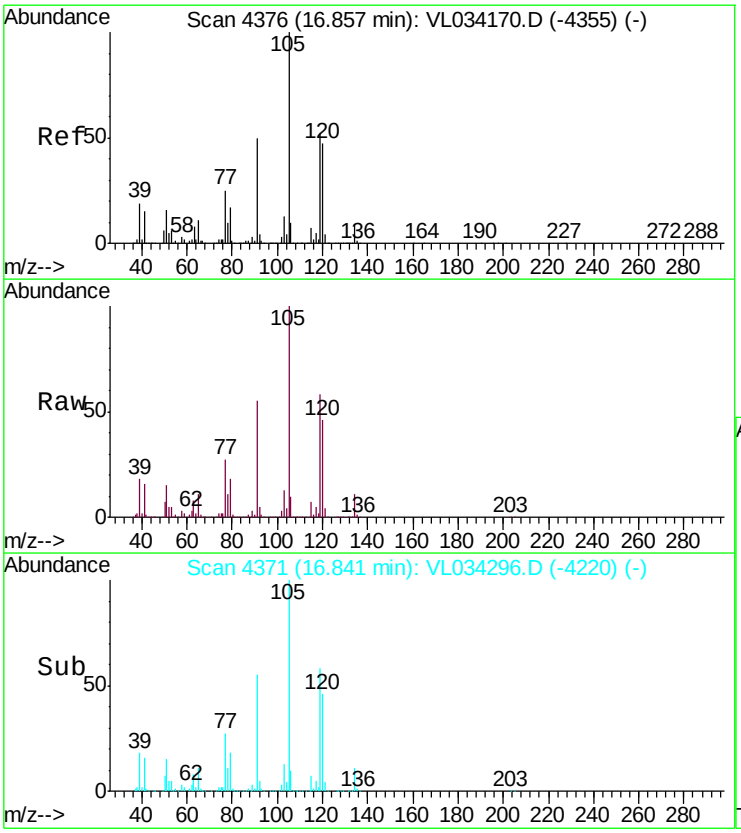
#73
1,3,5-Trimethylbenzene
Concen: 8.882 ppbv
RT: 16.08 min Scan# 4133
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 2426242

Ion	Ratio	Lower	Upper
105	100		
120	44.3	35.6	53.4

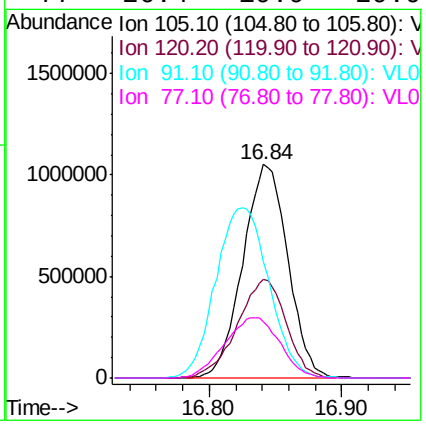


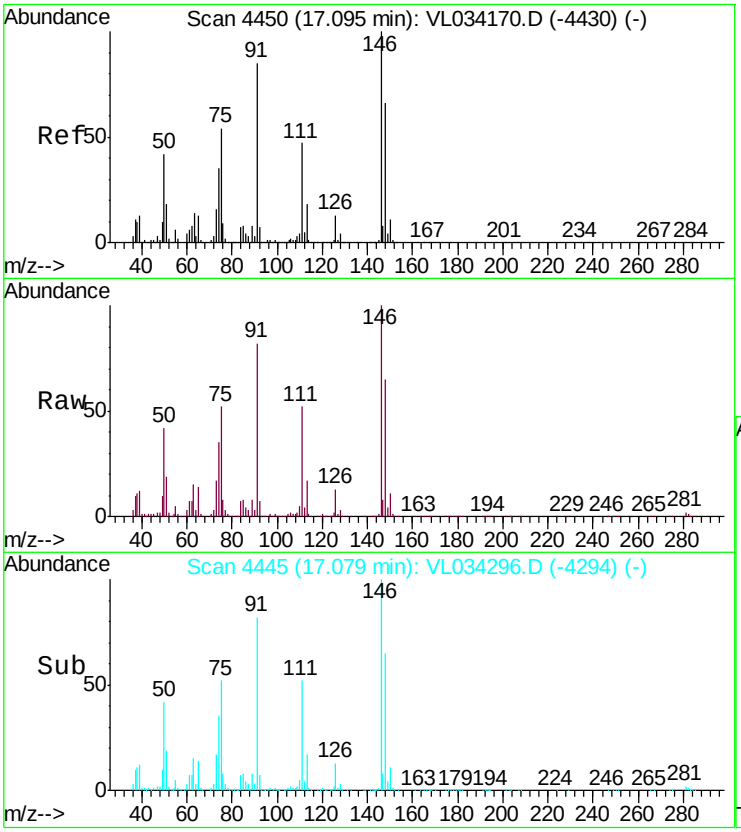


#74
1,2,4-Trimethylbenzene
Concen: 8.536 ppbv
RT: 16.84 min Scan# 4371
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:105 Resp: 2475640

Ion	Ratio	Lower	Upper
105	100		
120	45.6	37.5	56.3
91	54.5	41.1	61.7
77	26.4	19.9	29.9



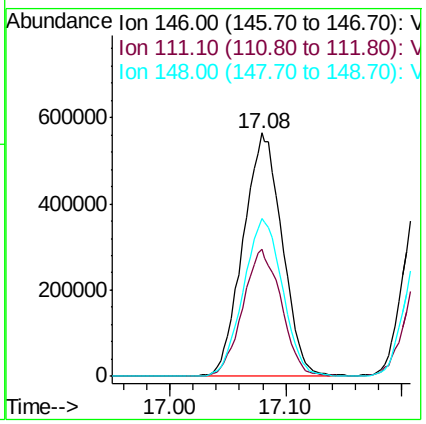


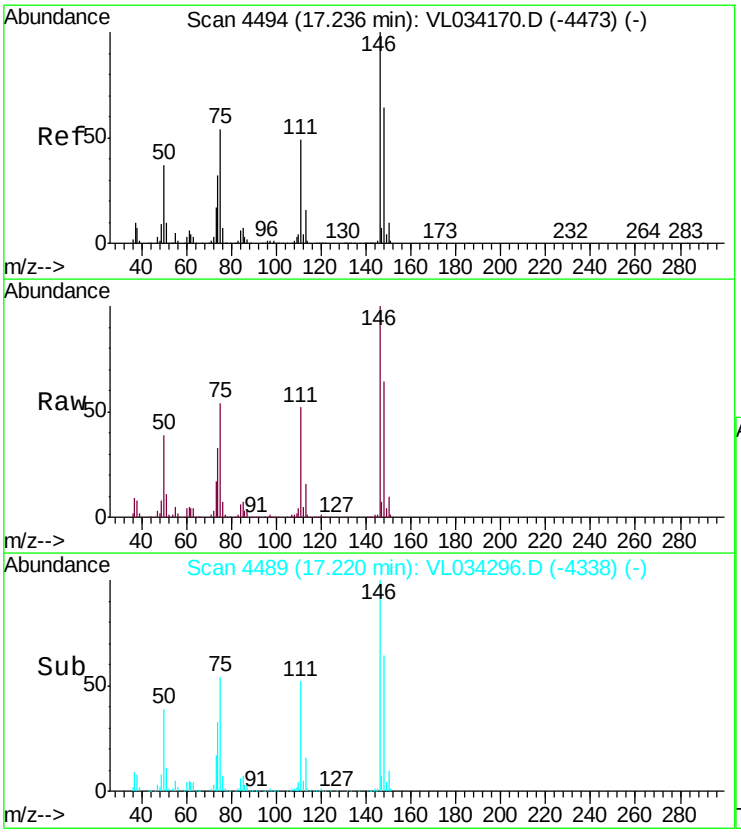
#75
1,3-Dichlorobenzene
Concen: 8.505 ppbv
RT: 17.08 min Scan# 4445
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1323479

Ion	Ratio	Lower	Upper
146	100		
111	51.5	25.9	77.8
148	65.0	32.6	97.7

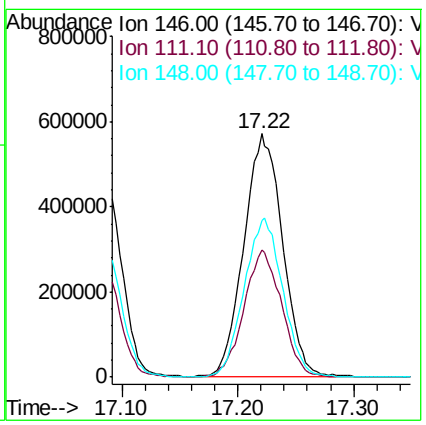


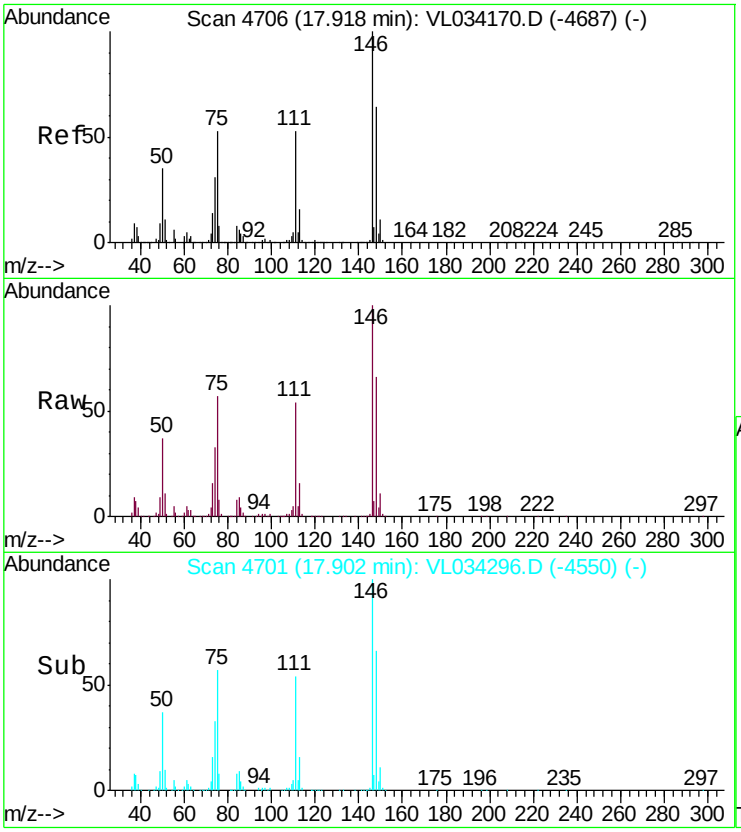


#76
1,4-Dichlorobenzene
Concen: 8.299 ppbv
RT: 17.22 min Scan# 4489
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:146 Resp: 1322659

Ion	Ratio	Lower	Upper
146	100		
111	51.2	24.6	74.0
148	65.3	32.4	97.0



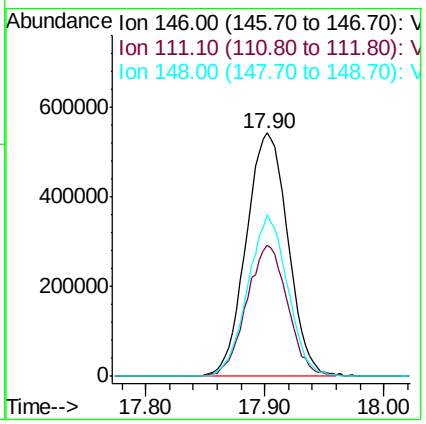


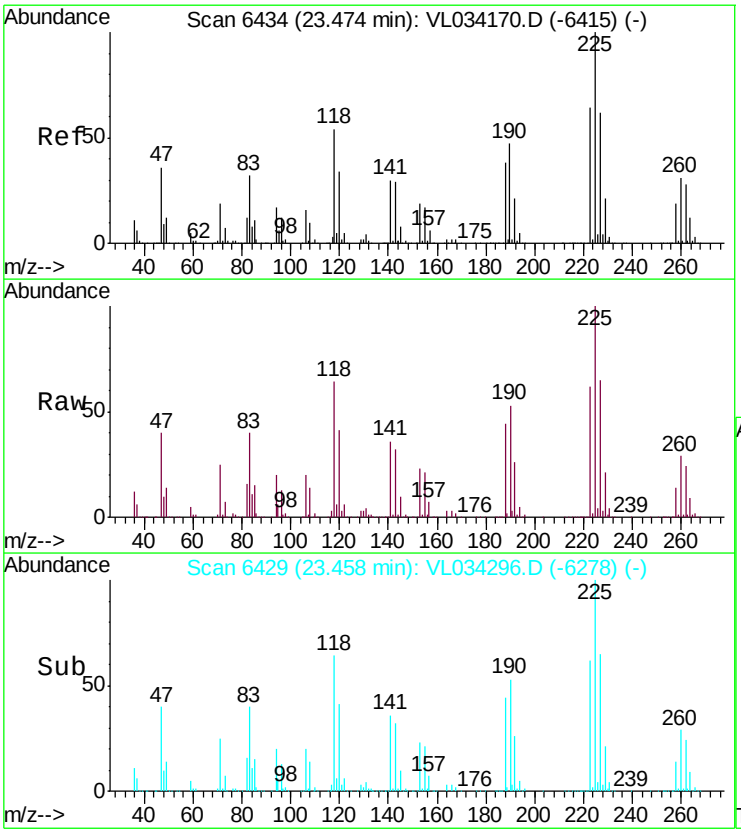
#77
1,2-Dichlorobenzene
Concen: 8.387 ppbv
RT: 17.90 min Scan# 4701
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:146 Resp: 1321006

Ion	Ratio	Lower	Upper
146	100		
111	52.9	26.1	78.3
148	63.4	31.9	95.9

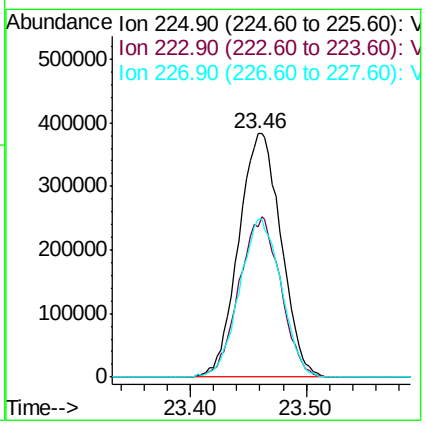


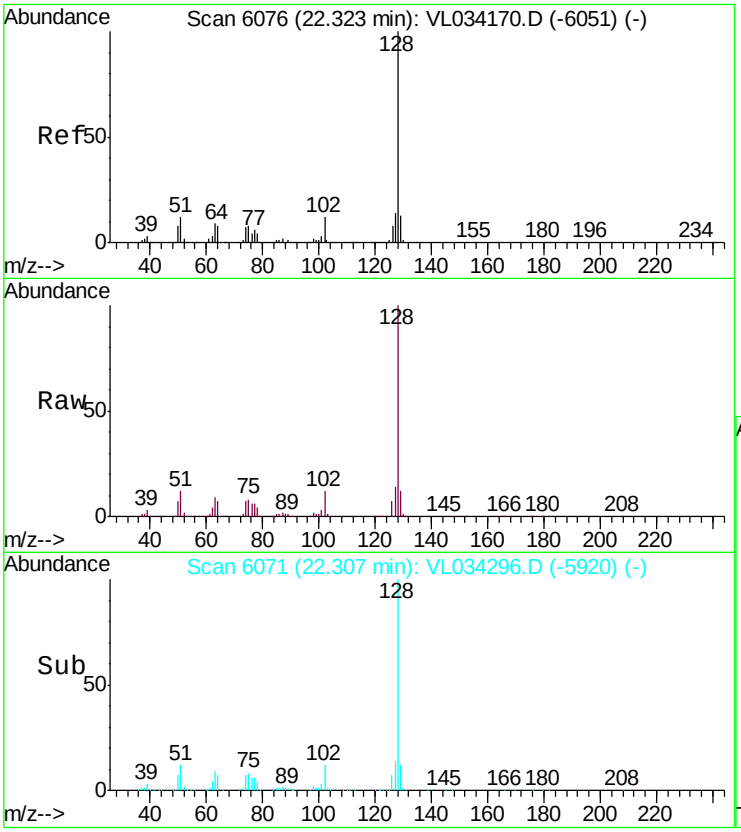


#78
Hexachloro-1,3-Butadiene
Concen: 9.360 ppbv
RT: 23.46 min Scan# 6429
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:225 Resp: 976502

Ion	Ratio	Lower	Upper
225	100		
223	64.6	51.7	77.5
227	63.7	52.1	78.1



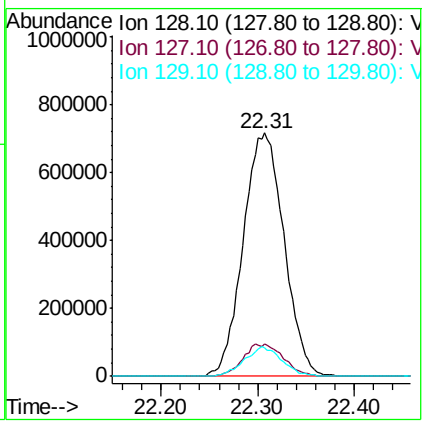


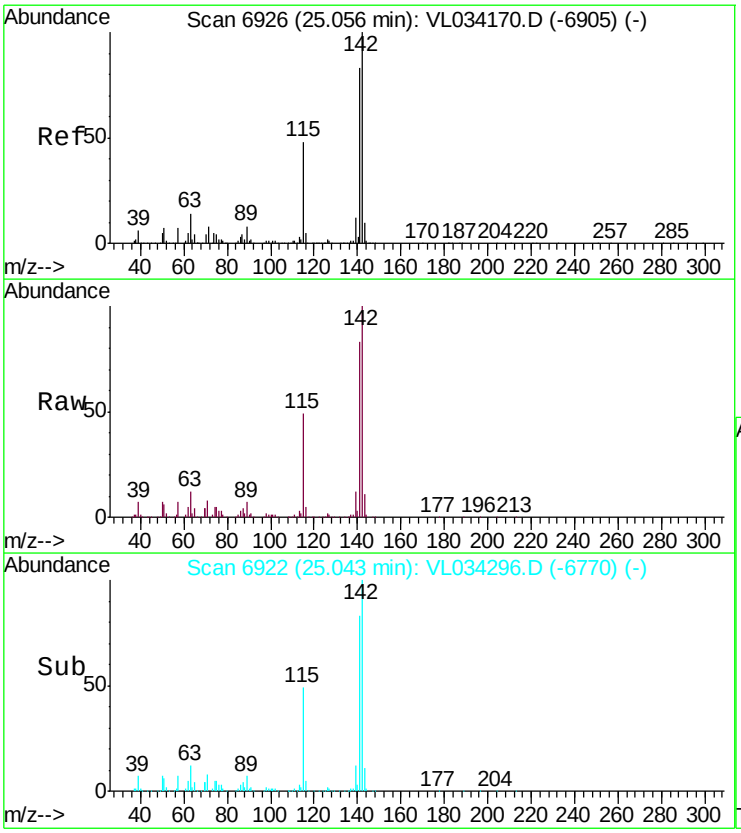
#79
Naphthalene
Concen: 8.235 ppbv
RT: 22.31 min Scan# 6071
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 2102688

Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.1	16.7
129	11.5	10.2	15.4

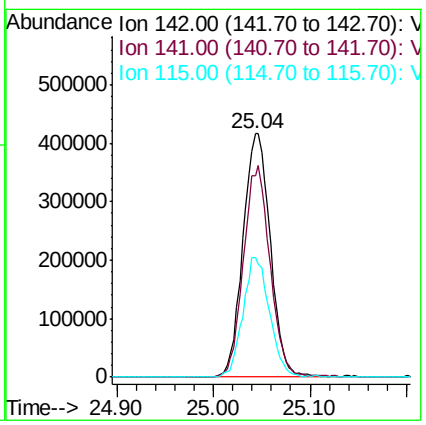


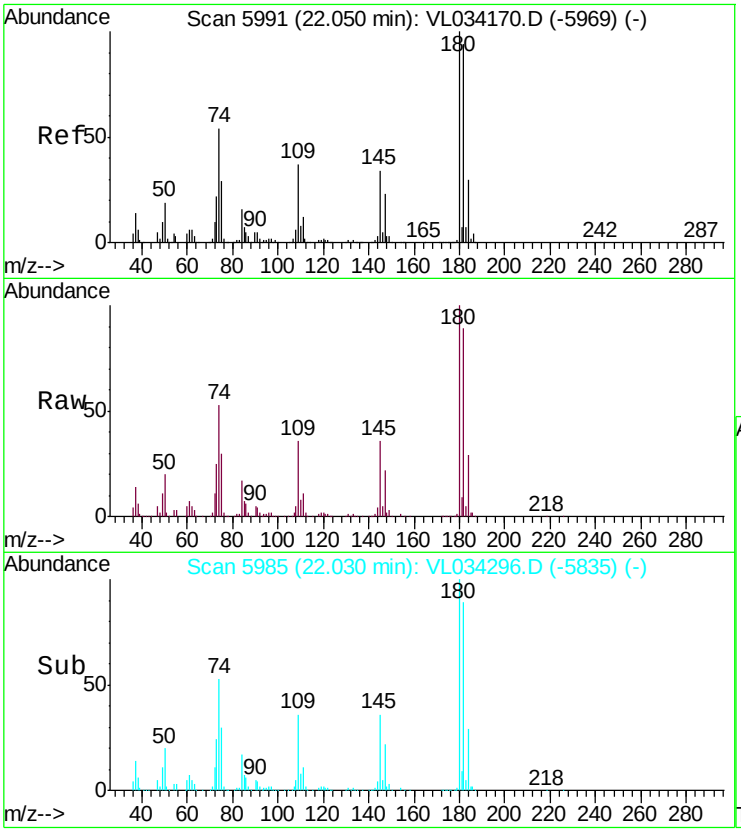


#80
Naphthalene,2-methyl-
Concen: 6.880 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. -0.01 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Tgt Ion:142 Resp: 816928

Ion	Ratio	Lower	Upper
142	100		
141	85.0	67.6	101.4
115	48.3	36.9	55.3





#81
1,2,4-Trichlorobenzene
Concen: 8.155 ppbv
RT: 22.03 min Scan# 5985
Delta R.T. -0.02 min
Lab File: VL034296.D
Acq: 15 Oct 2019 00:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1153491

Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.4	116.2
184	30.3	25.0	37.4