Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081219\
Data File : VL034100.D
Acq On : 12 Aug 2019 10:32
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Aug 13 04:02:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 17:09:48 2019
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1151527	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	2313674	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2990179	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.52	95	2031584	8.37	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	1223198	8.631	ppbv	100
3) Chlorodifluoromethane	2.99	51	1196704	8.987	ppbv	98
4) Chloromethane	3.14	50	784124	9.134	ppbv	95
5) Vinyl Chloride	3.26	62	711354	9.405	ppbv	100
6) Bromomethane	3.48	94	371788	9.512	ppbv	96
7) Chloroethane	3.56	64	260649	9.198	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	1442882	8.826	ppbv	94
9) Propene	3.01	41	707746	9.016	ppbv	99
10) Heptane	8.19	43	1802169	8.875	ppbv	98
11) Trichlorofluoromethane	3.97	101	1501055	8.933	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.51	101	1040851	8.779	ppbv	95
13) Ethanol	3.62	45	135824	6.139	ppbv	98
14) Bromoethene	3.75	108	480750	9.080	ppbv	99
15) Acetone	3.86	43	1308808	7.954	ppbv	99
16) 1,3-Butadiene	3.33	39	713887	8.921	ppbv	98
17) tert-Butyl alcohol	4.32	59	1355171	8.825	ppbv	100
18) 1,1-Dichloroethene	4.31	96	490465	8.747	ppbv	96
19) Isopropyl Alcohol	3.99	45	1093872	8.538	ppbv	99
20) Methylene Chloride	4.37	84	435473	8.825	ppbv	97
21) Allyl Chloride	4.44	41	993252	8.721	ppbv	99
22) trans-1,2-Dichloroethene	4.92	96	498407	9.147	ppbv	96
23) Vinyl Acetate	5.11	43	2361584	8.656	ppbv	99
24) 1,1-Dichloroethane	5.05	63	1469140	9.050	ppbv	100
25) Ethyl Acetate	5.72	43	2773898	8.570	ppbv	99
26) Hexane	5.73	57	1200549	8.751	ppbv	98
27) Carbon Disulfide	4.58	76	1330935	9.202	ppbv	99
28) Methyl tert-Butyl Ether	5.07	73	2027638	8.838	ppbv	99
29) Chloroform	5.80	83	1741439	9.338	ppbv	99
30) Cyclohexane	7.19	84	997593	9.205	ppbv	97
31) cis-1,2-Dichloroethene	5.60	61	1260932	9.305	ppbv	96
32) 1,1,1-Trichloroethane	6.57	97	1683266	9.120	ppbv	99
34) 2-Butanone	5.28	43	1973917	9.177	ppbv	98
35) Carbon Tetrachloride	7.08	117	1608763	9.059	ppbv	98
36) Benzene	6.96	78	2415906	9.187	ppbv	99
37) 1,2-Dichloroethane	6.36	62	1388610	9.815	ppbv	99
38) Trichloroethene	7.91	130	803642	7.891	ppbv	94
39) 1,2-Dichloropropane	7.68	63	1003282	9.455	ppbv	97
40) 1,4-Dioxane	7.90	88	382093	9.544	ppbv #	96
41) Tetrahydrofuran	6.10	42	1234322	9.328	ppbv	98
42) Bromodichloromethane	7.87	83	1907185	9.615	ppbv	97
43) Methyl Methacrylate	8.09	69	1028245	9.533	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081219\
Data File : VL034100.D
Acq On : 12 Aug 2019 10:32
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Aug 13 04:02:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 17:09:48 2019
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.94	57	4059473	8.622	ppbv		99
45) t-1,3-Dichloropropene	9.36	75	1377141	10.071	ppbv		97
46) cis-1,3-Dichloropropene	8.79	75	1549036	9.816	ppbv		95
47) 1,1,2-Trichloroethane	9.56	97	975732	9.619	ppbv		96
48) Dibromochloromethane	10.40	129	1520871	9.351	ppbv		100
49) Bromoform	13.15	173	1361529	9.362	ppbv		99
50) 4-Methyl-2-Pentanone	8.81	43	2875990	8.785	ppbv		99
51) 2-Hexanone	10.22	43	2510966	9.127	ppbv	#	100
52) Tetrachloroethene	11.31	164	795854	7.837	ppbv		92
53) Toluene	9.89	91	2715544	8.948	ppbv		99
54) 1,2-Dibromoethane	10.70	107	1417106	9.221	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.22	131	1006449	7.362	ppbv	#	58
57) Chlorobenzene	12.24	112	1889721	7.018	ppbv		97
58) Ethyl Benzene	12.80	91	3606714	7.173	ppbv		98
59) m/p-Xylene	13.09	91	2945248	7.297	ppbv	#	39
60) o-Xylene	13.79	91	2832515	7.023	ppbv		99
61) Styrene	13.63	104	2331101	7.282	ppbv		99
62) Isopropylbenzene	14.77	105	3701079	6.836	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.78	83	2023181	6.944	ppbv		99
64) n-propylbenzene	15.66	120	984722	6.882	ppbv		94
65) tert-Butylbenzene	16.85	119	3185105	6.605	ppbv		96
66) Benzyl Chloride	17.10	91	2051553	7.685	ppbv		98
67) sec-Butylbenzene	17.40	105	4486540	6.592	ppbv		99
69) p-Isopropyltoluene	17.76	119	3678314	6.552	ppbv		98
70) n-Butylbenzene	18.66	91	4075301	6.730	ppbv		99
71) 2-Chlorotoluene	15.56	91	3046051	6.997	ppbv		99
72) 4-Ethyltoluene	15.94	105	3324864	7.004	ppbv		99
73) 1,3,5-Trimethylbenzene	16.10	105	3181981	6.968	ppbv		95
74) 1,2,4-Trimethylbenzene	16.87	105	3140377	6.610	ppbv		97
75) 1,3-Dichlorobenzene	17.11	146	1788389	6.721	ppbv		100
76) 1,4-Dichlorobenzene	17.25	146	1833790	6.745	ppbv		99
77) 1,2-Dichlorobenzene	17.93	146	1771139	6.752	ppbv		98
78) Hexachloro-1,3-Butadiene	23.49	225	1514912	7.285	ppbv		100
79) Naphthalene	22.34	128	3212869	6.512	ppbv		99
80) Naphthalene,2-methyl-	25.07	142	1761333	11.383	ppbv		97
81) 1,2,4-Trichlorobenzene	22.06	180	1740250	6.354	ppbv		99

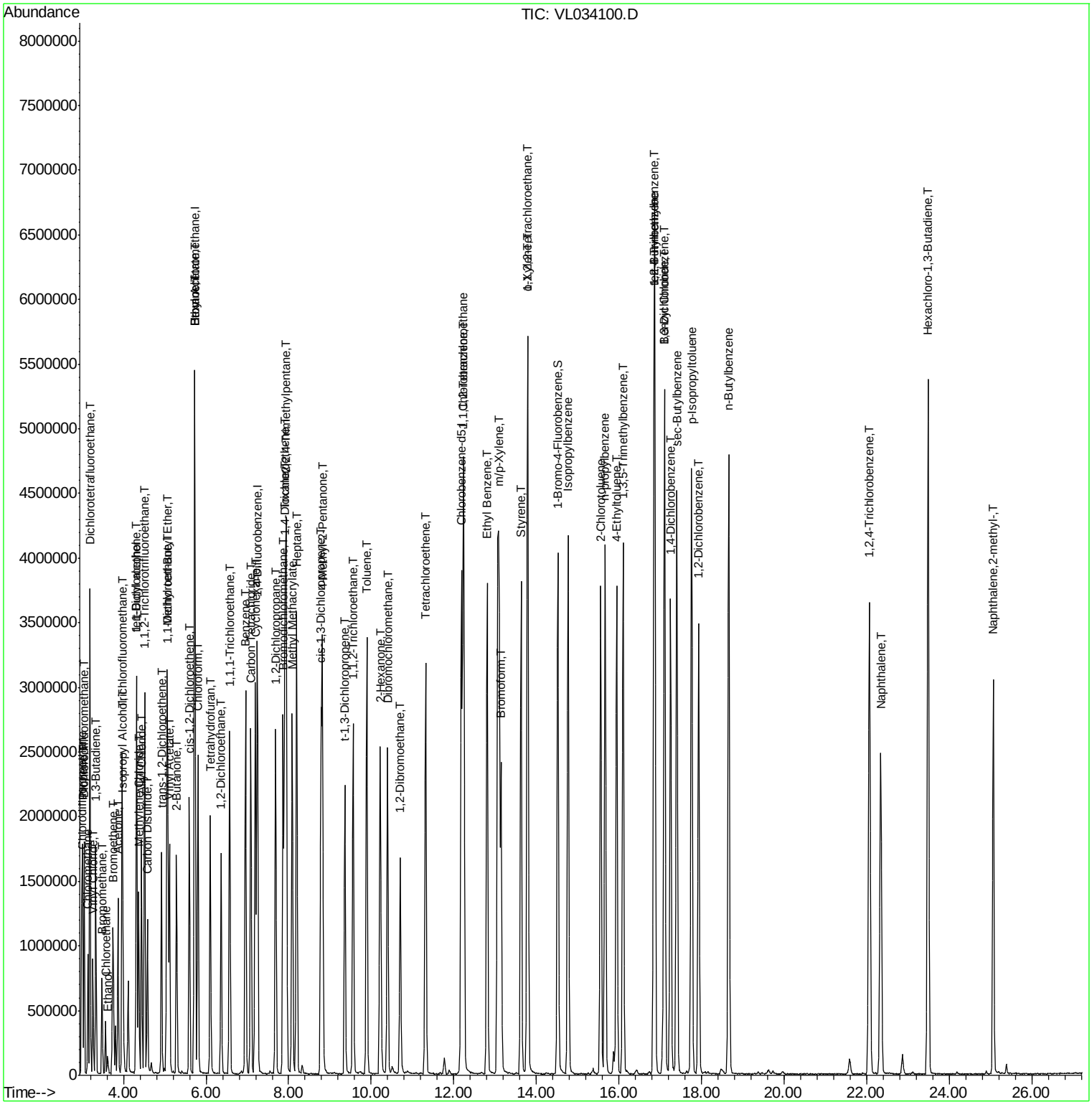
(#) = qualifier out of range (m) = manual integration (+) = signals summed

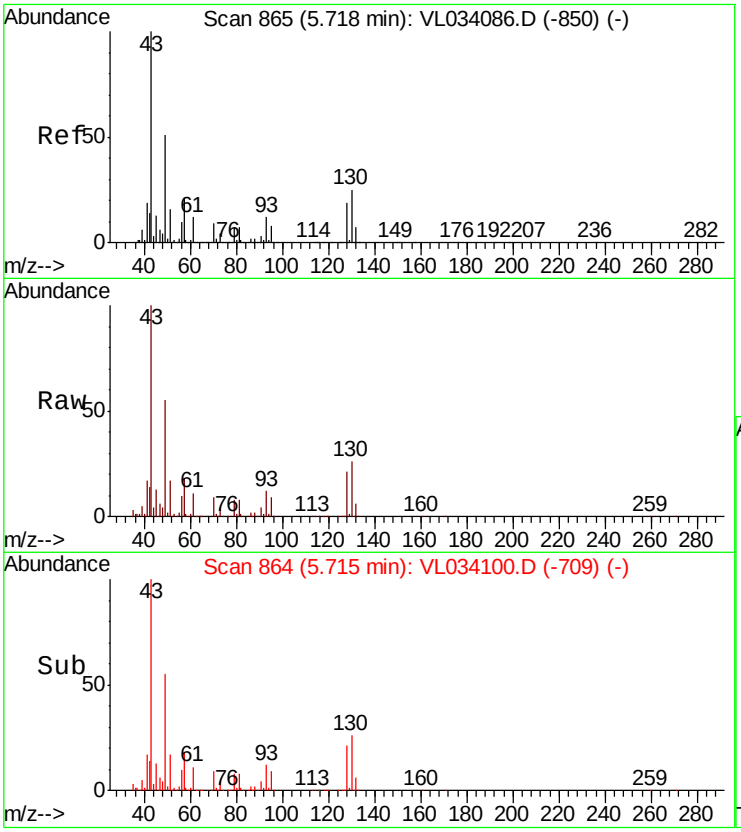
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081219\
Data File : VL034100.D
Acq On : 12 Aug 2019 10:32
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Aug 13 04:02:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 17:09:48 2019
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration



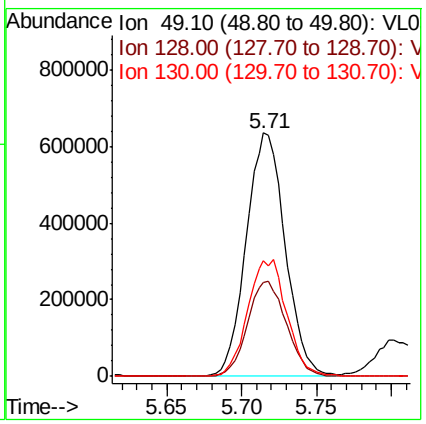


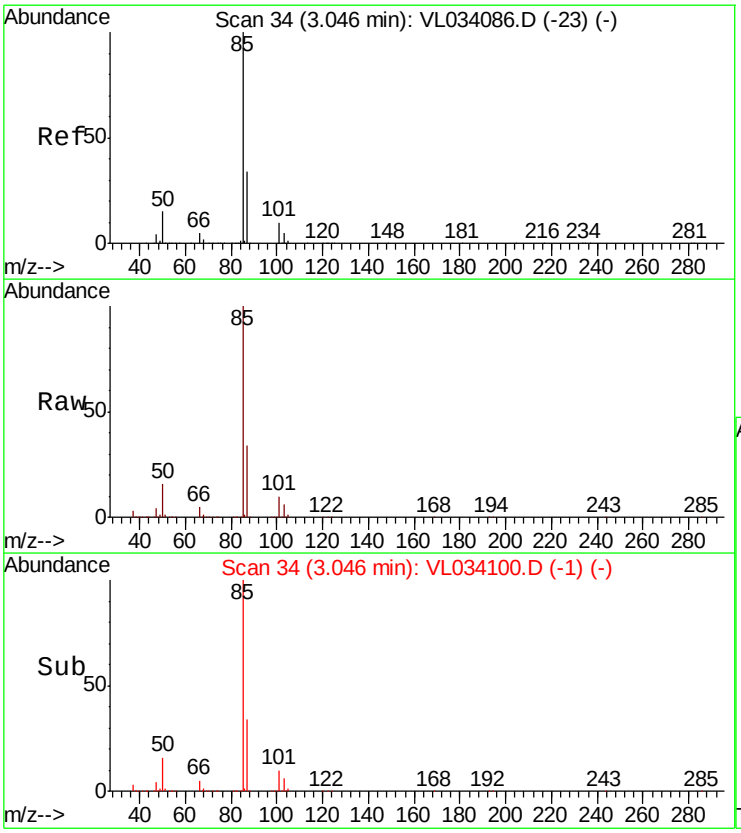
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.71 min Scan# 864
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1151527

Ion	Ratio	Lower	Upper
49	100		
128	39.1	19.5	58.5
130	48.4	25.4	76.0

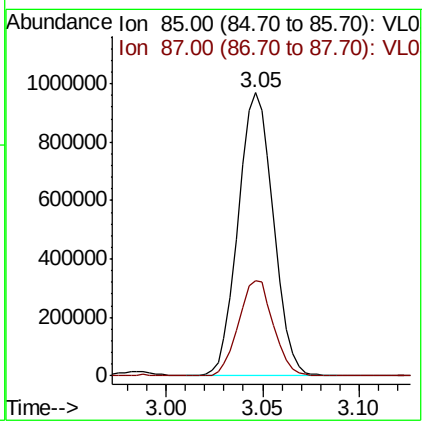


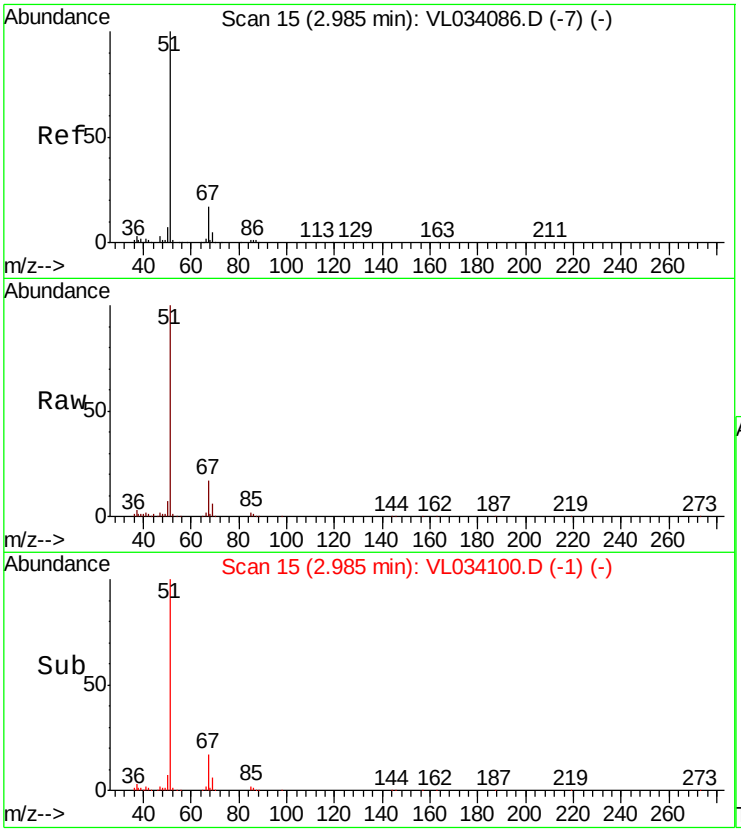


#2
Dichlorodifluoromethane
Concen: 8.631 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 85 Resp: 1223198

Ion	Ratio	Lower	Upper
85	100		
87	33.7	27.1	40.7



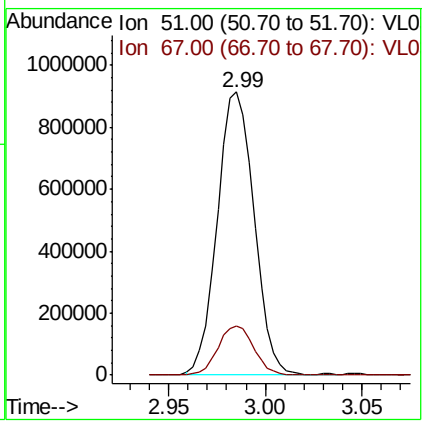


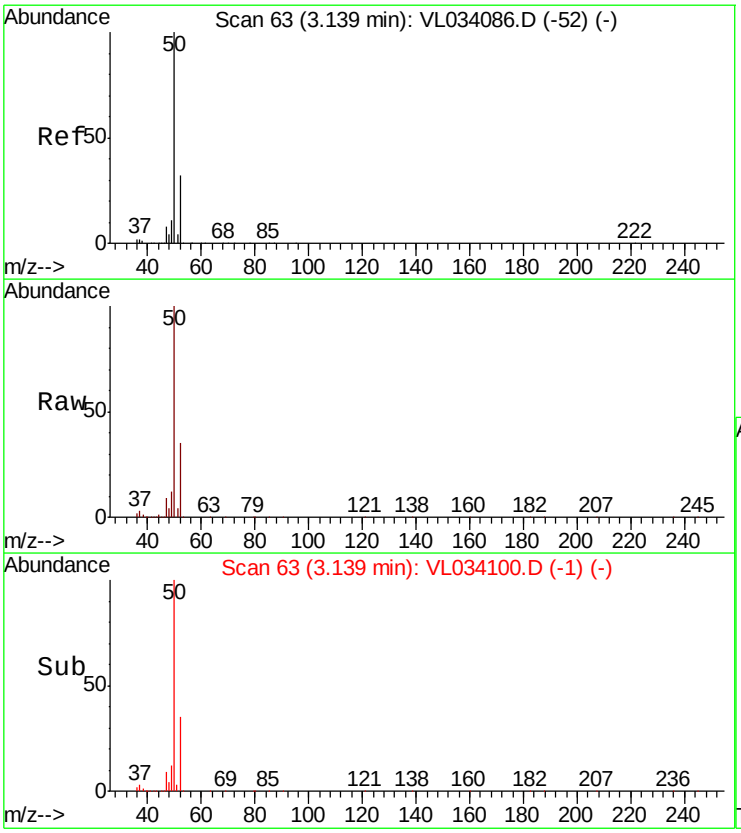
#3
Chlorodifluoromethane
Concen: 8.987 ppbv
RT: 2.99 min Scan# 15
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1196704

Ion	Ratio	Lower	Upper
51	100		
67	17.3	13.3	19.9

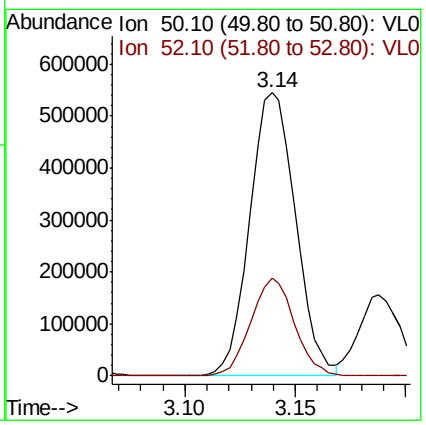


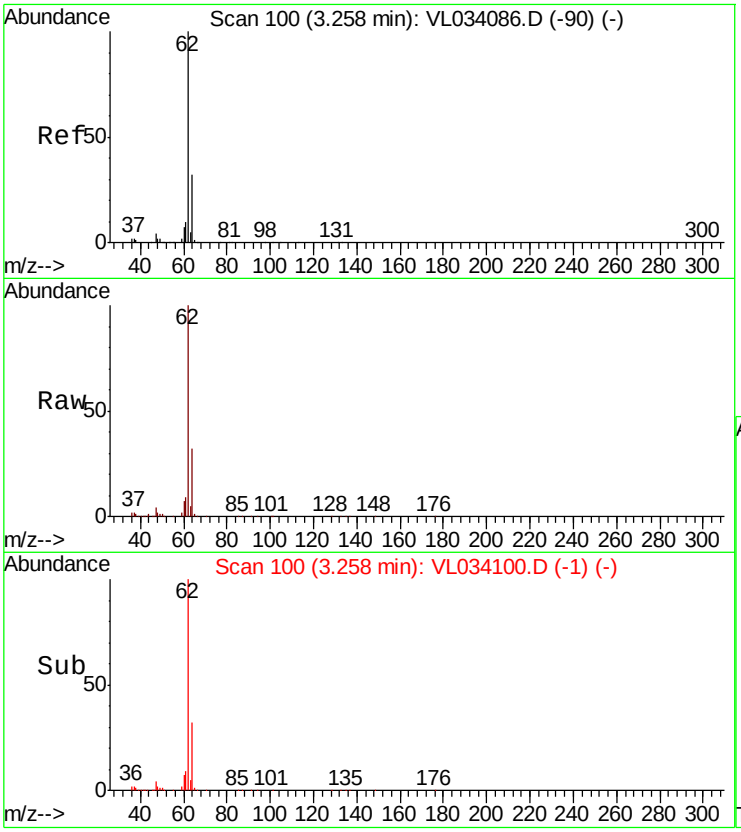


#4
Chloromethane
Concen: 9.134 ppbv
RT: 3.14 min Scan# 63
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 50 Resp: 784124

Ion	Ratio	Lower	Upper
50	100		
52	34.7	25.7	38.5



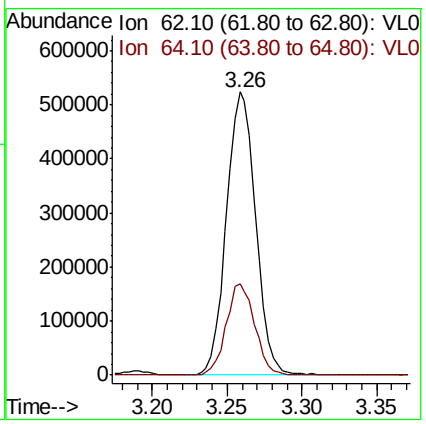


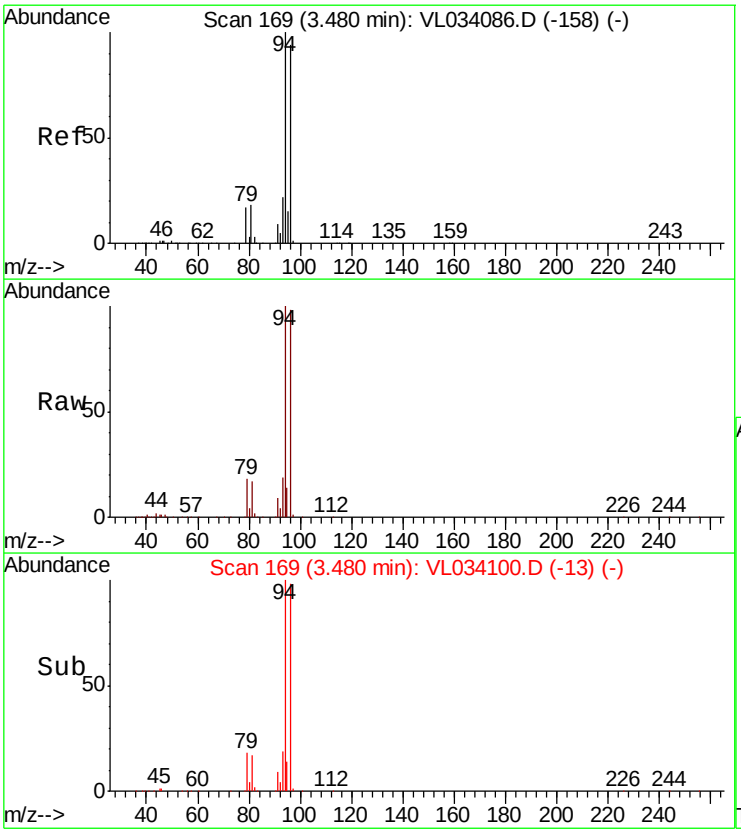
#5
Vinyl Chloride
Concen: 9.405 ppbv
RT: 3.26 min Scan# 100
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 711354

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.8	38.6

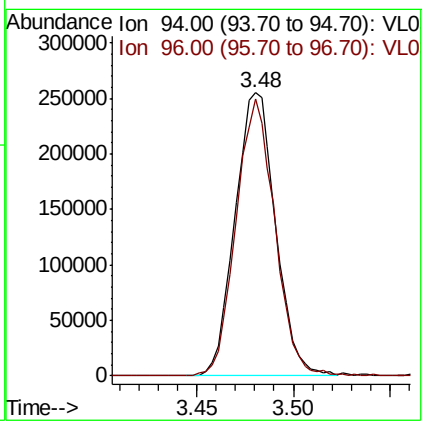


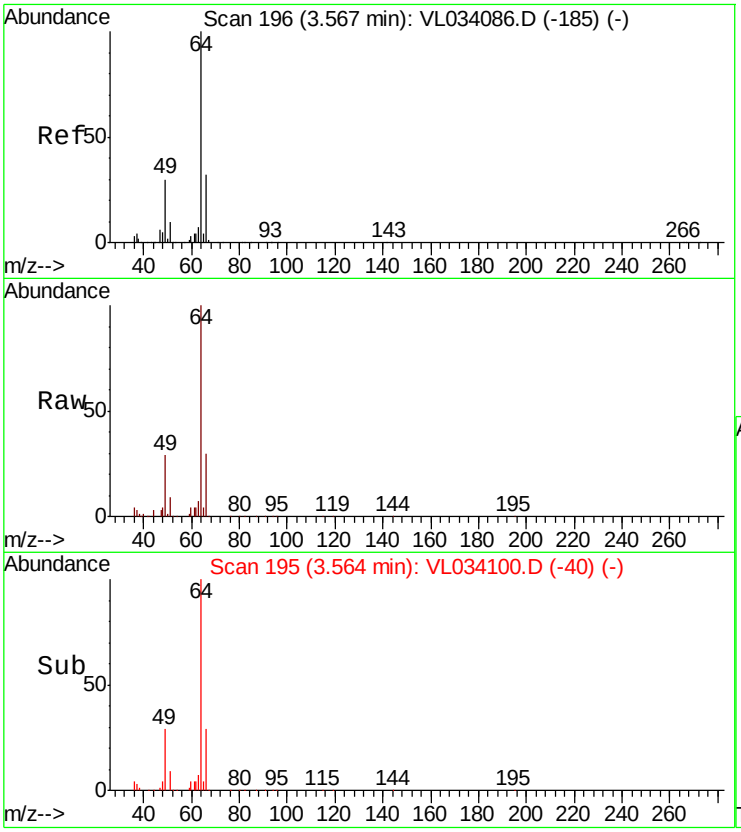


#6
Bromomethane
Concen: 9.512 ppbv
RT: 3.48 min Scan# 169
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 94 Resp: 371788

Ion	Ratio	Lower	Upper
94	100		
96	97.7	75.3	112.9



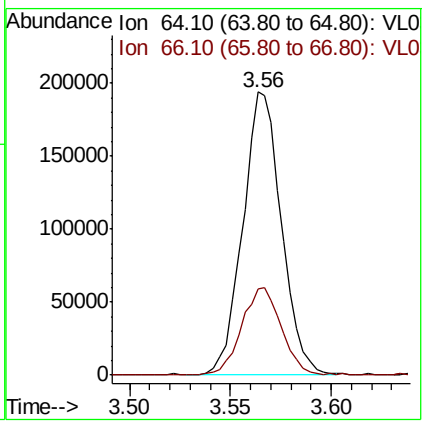


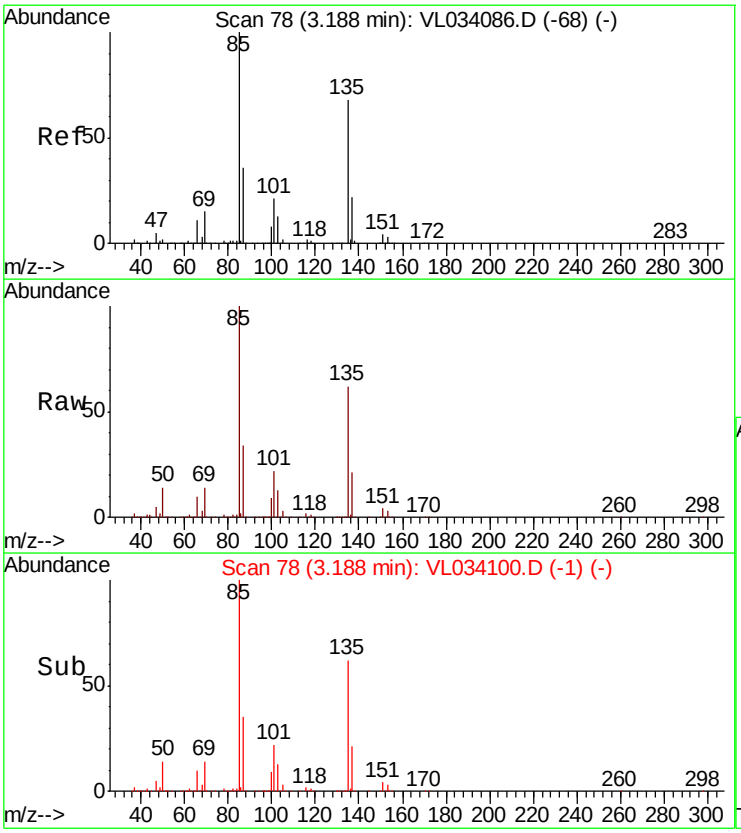
#7
Chloroethane
Concen: 9.198 ppbv
RT: 3.56 min Scan# 195
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 260649

Ion	Ratio	Lower	Upper
64	100		
66	30.3	25.2	37.8

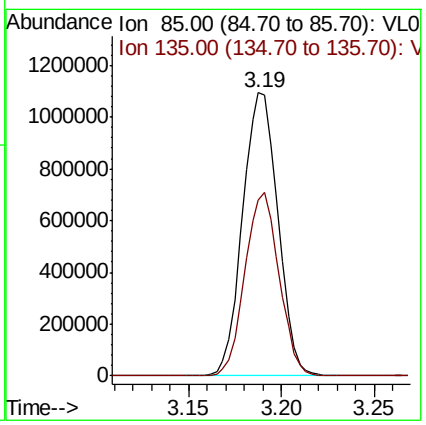


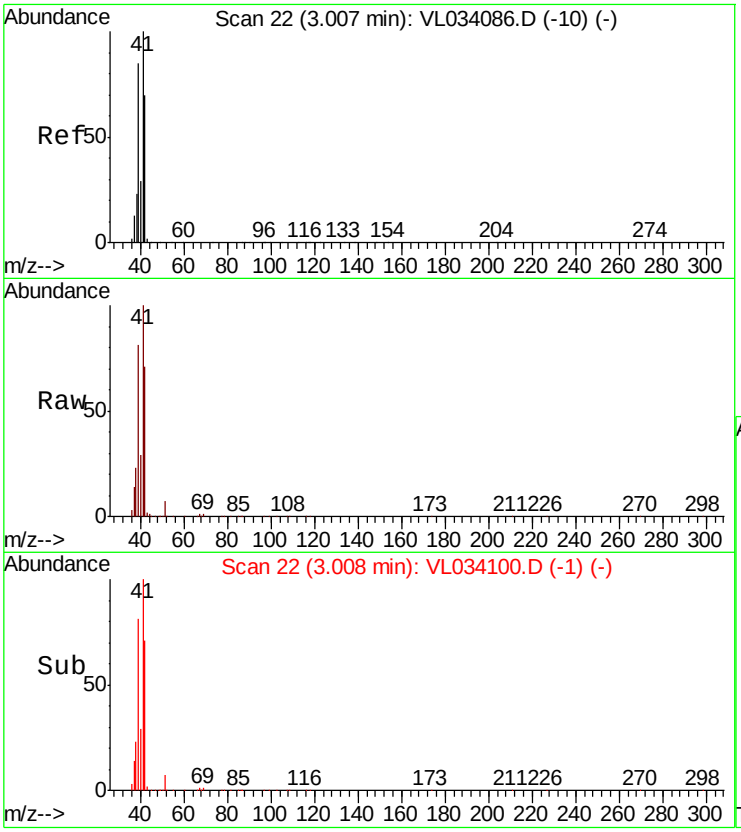


#8
Dichlorotetrafluoroethane
Concen: 8.826 ppbv
RT: 3.19 min Scan# 78
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 85 Resp: 1442882

Ion	Ratio	Lower	Upper
85	100		
135	62.9	54.0	81.0



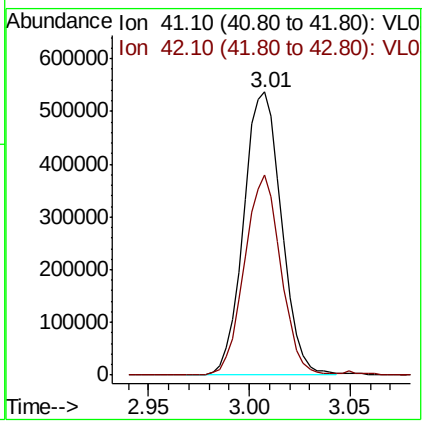


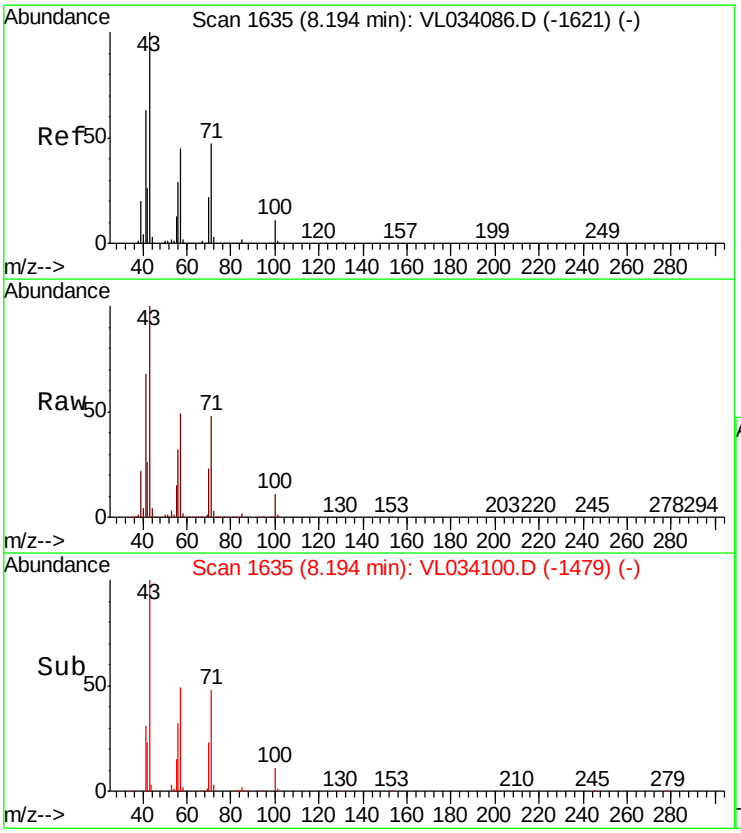
#9
Propene
Concen: 9.016 ppbv
RT: 3.01 min Scan# 22
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 707746

Ion	Ratio	Lower	Upper
41	100		
42	68.5	55.8	83.6

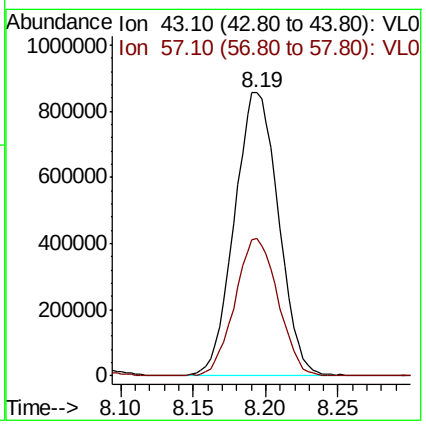


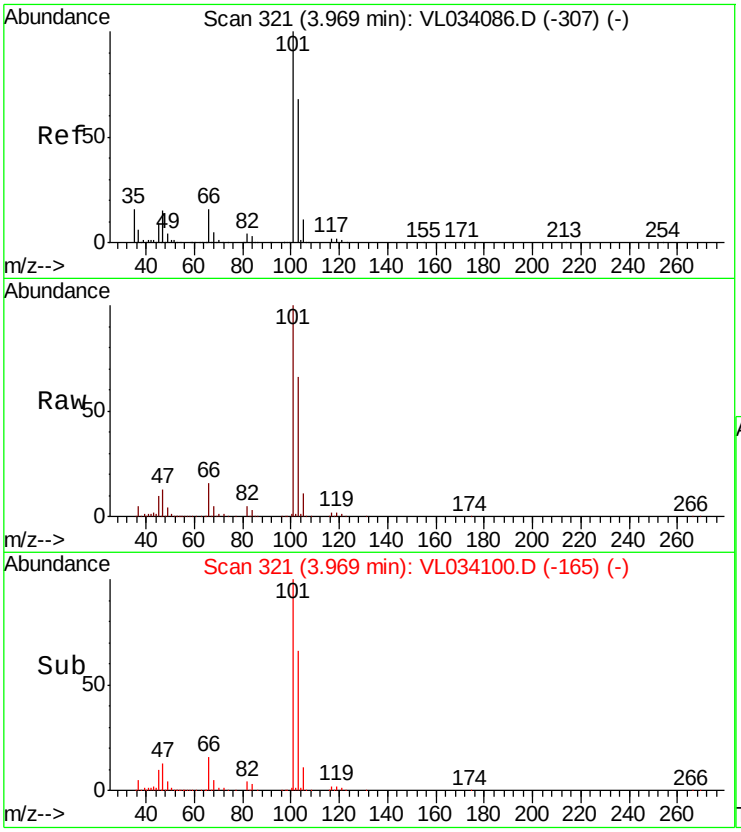


#10
Heptane
Concen: 8.875 ppbv
RT: 8.19 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 43 Resp: 1802169

Ion	Ratio	Lower	Upper
43	100		
57	47.9	37.2	55.8



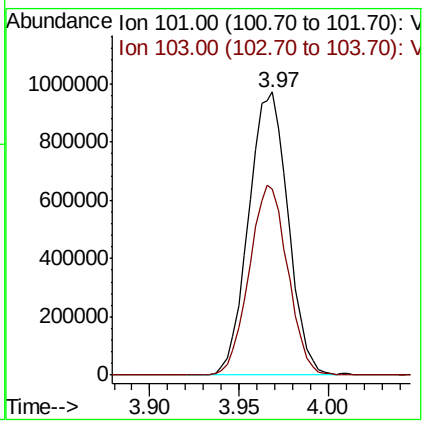


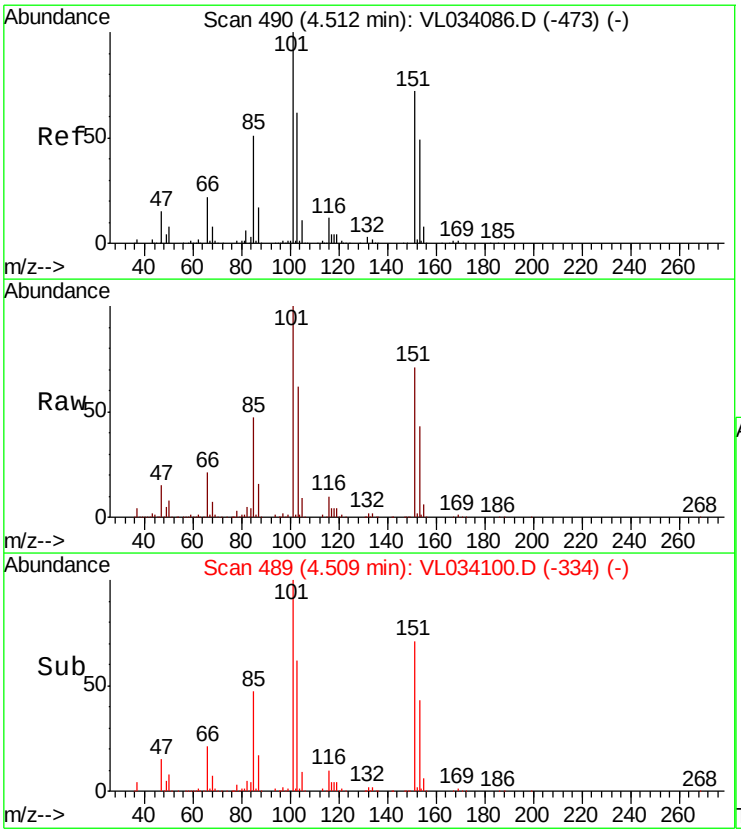
#11
Trichlorofluoromethane
Concen: 8.933 ppbv
RT: 3.97 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1501055

Ion	Ratio	Lower	Upper
101	100		
103	65.5	54.3	81.5

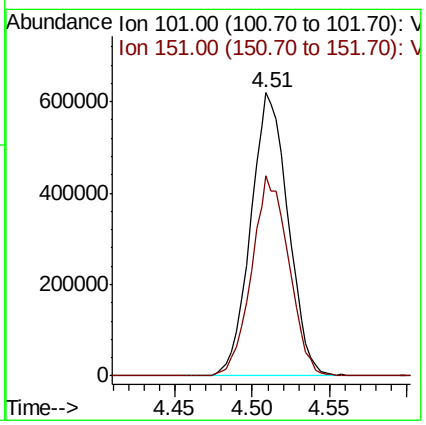


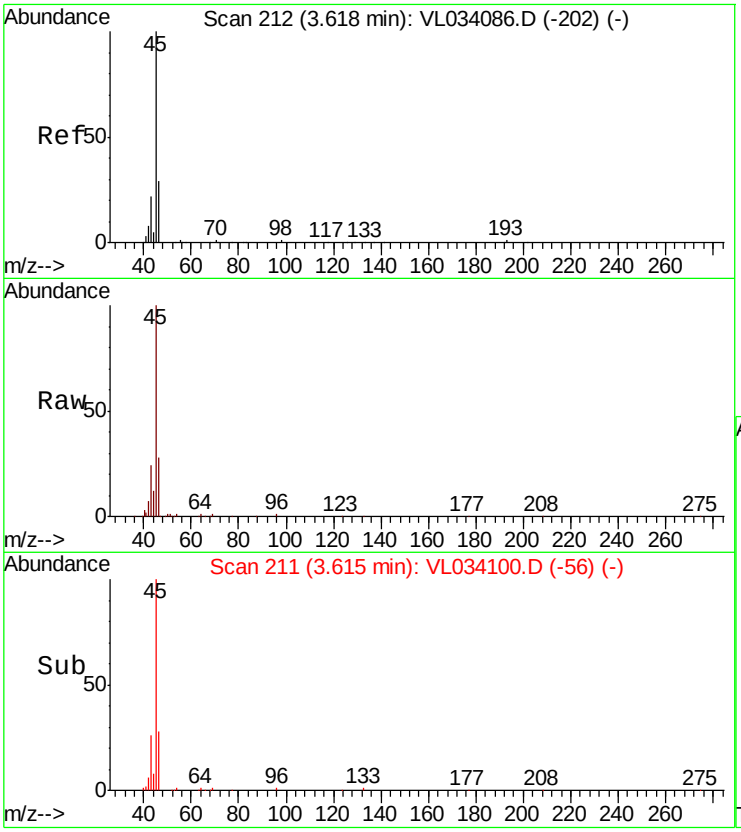


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.779 ppbv
RT: 4.51 min Scan# 489
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:101 Resp: 1040851

Ion	Ratio	Lower	Upper
101	100		
151	70.4	59.4	89.0



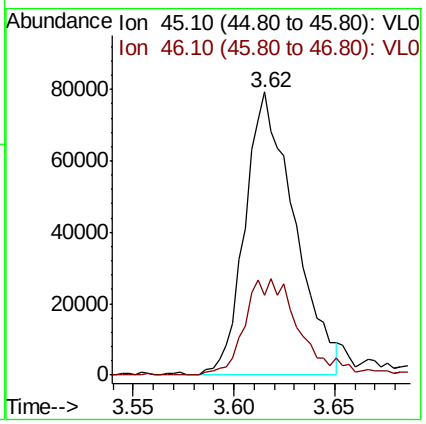


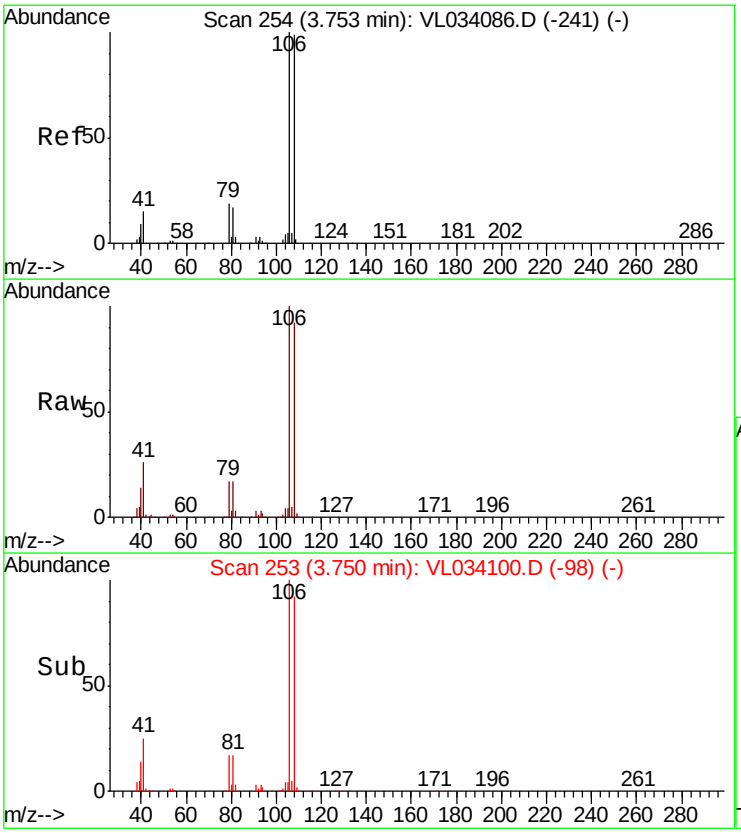
#13
Ethanol
Concen: 6.139 ppbv
RT: 3.62 min Scan# 211
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 135824

Ion	Ratio	Lower	Upper
45	100		
46	38.5	14.9	59.5

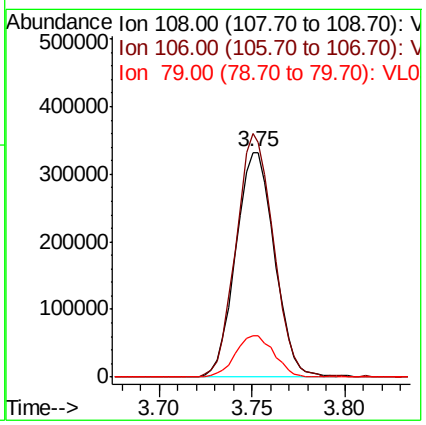


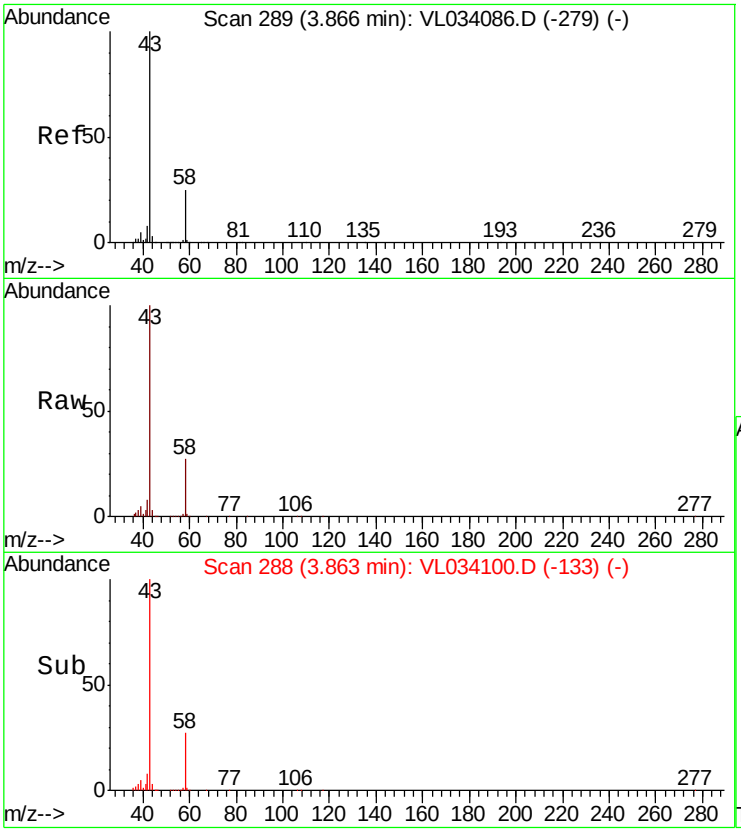


#14
Bromoethene
Concen: 9.080 ppbv
RT: 3.75 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:108 Resp: 480750

Ion	Ratio	Lower	Upper
108	100		
106	105.7	85.0	127.6
79	19.0	15.8	23.8



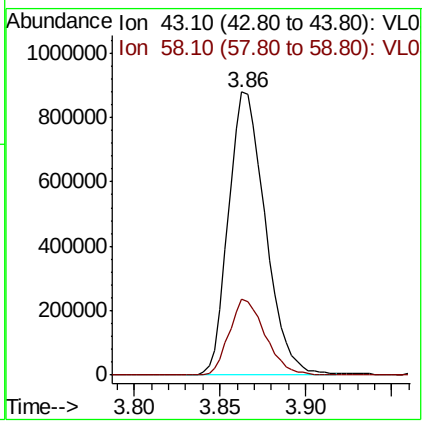


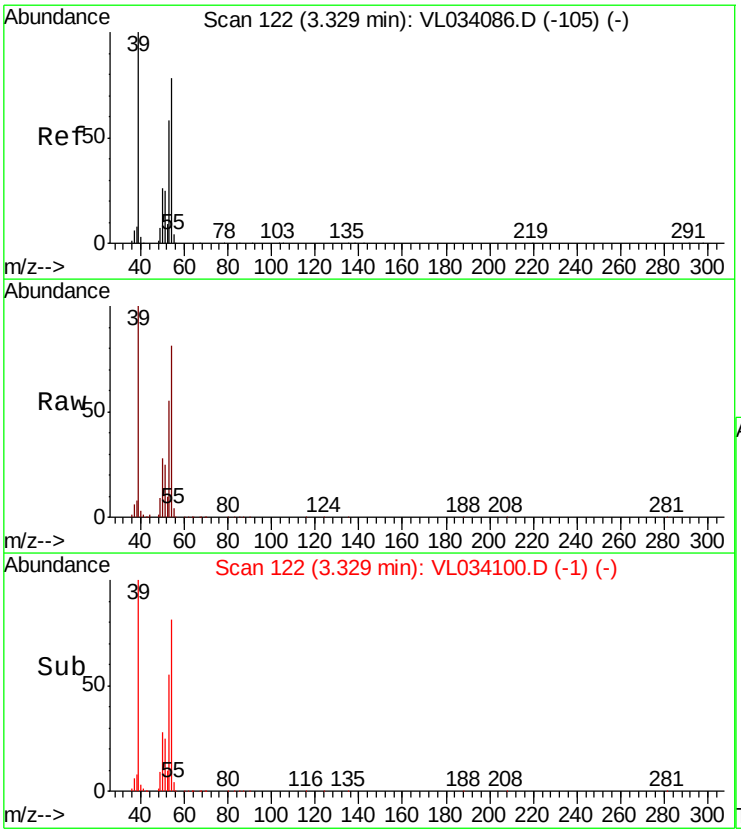
#15
Acetone
Concen: 7.954 ppbv
RT: 3.86 min Scan# 288
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1308808

Ion	Ratio	Lower	Upper
43	100		
58	26.3	20.6	30.8

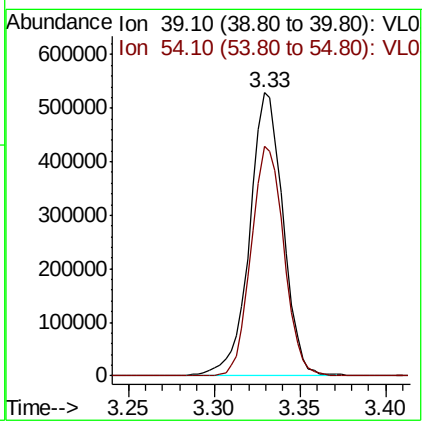


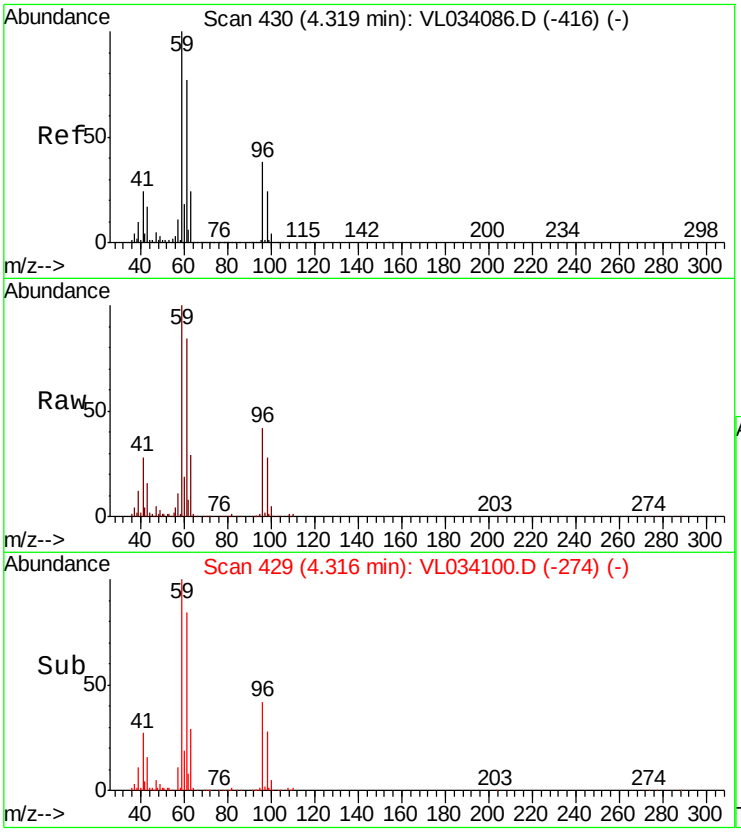


#16
1,3-Butadiene
Concen: 8.921 ppbv
RT: 3.33 min Scan# 122
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 39 Resp: 713887

Ion	Ratio	Lower	Upper
39	100		
54	79.8	62.7	94.1



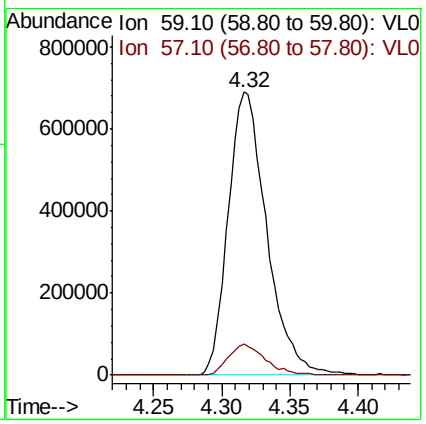


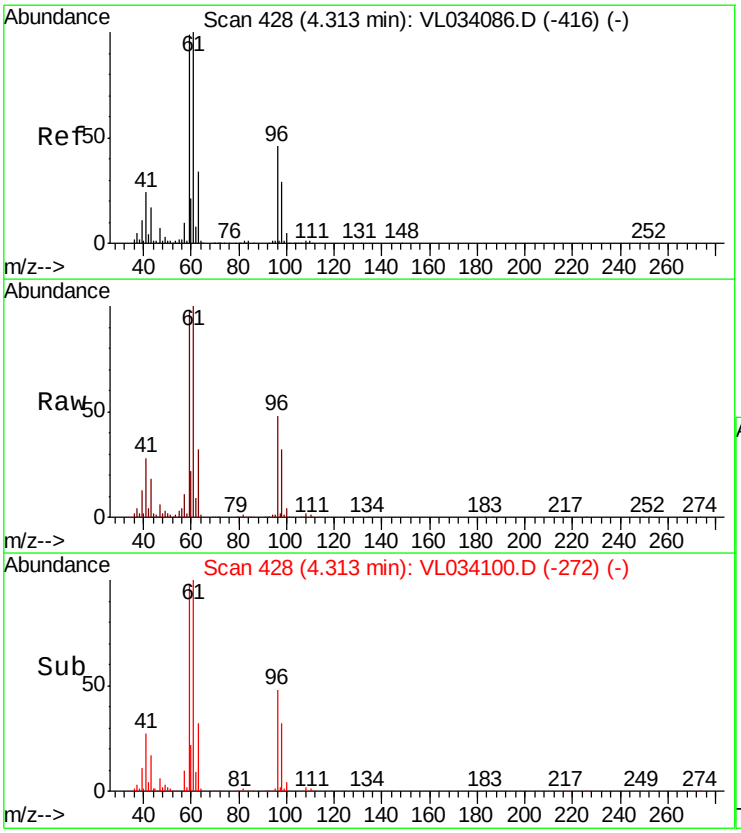
#17
tert-Butyl alcohol
Concen: 8.825 ppbv
RT: 4.32 min Scan# 429
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1355171

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

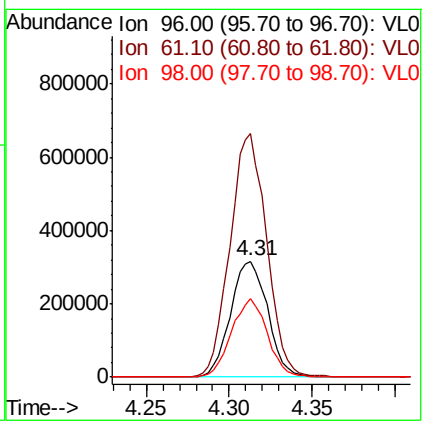


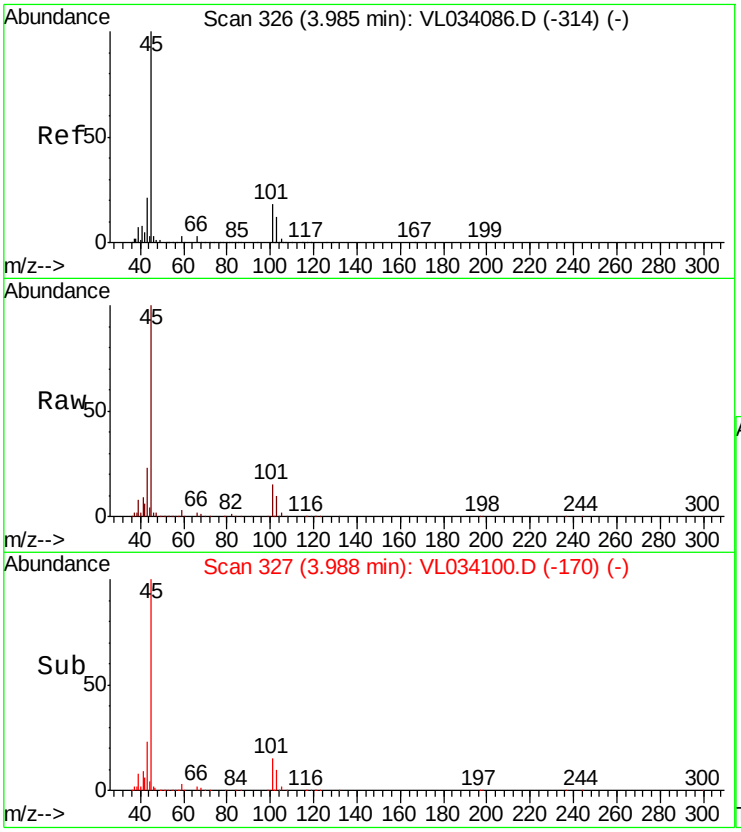


#18
1,1-Dichloroethene
Concen: 8.747 ppbv
RT: 4.31 min Scan# 428
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 96 Resp: 490465

Ion	Ratio	Lower	Upper
96	100		
61	210.1	173.1	259.7
98	67.7	50.3	75.5



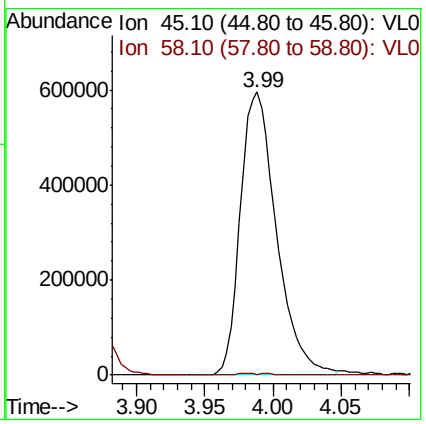


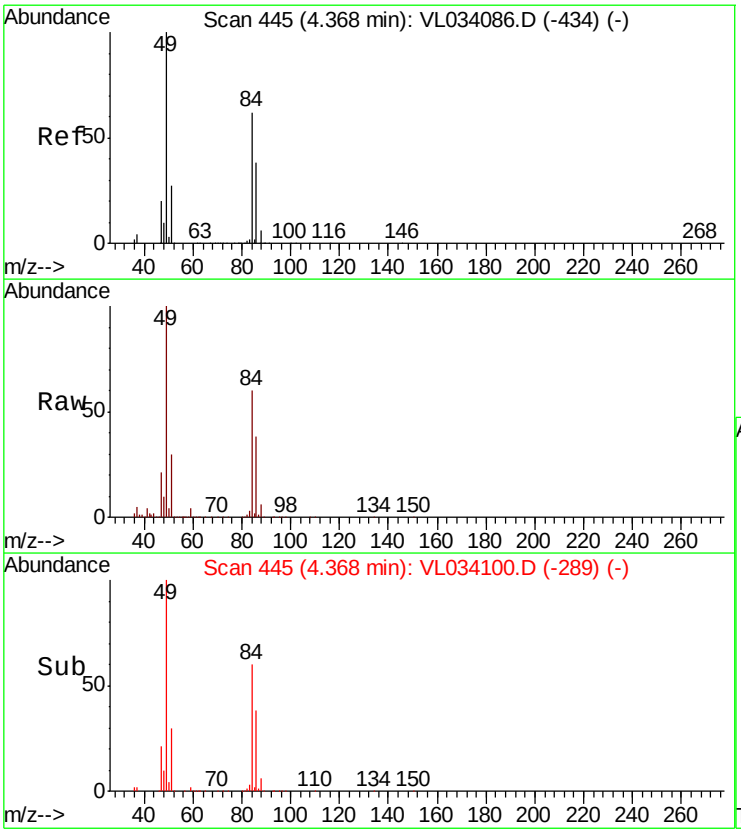
#19
Isopropyl Alcohol
Concen: 8.538 ppbv
RT: 3.99 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 1093872

Ion	Ratio	Lower	Upper
45	100		
58	31.5	24.6	37.0

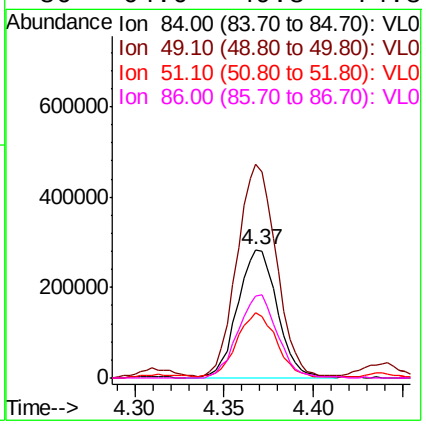


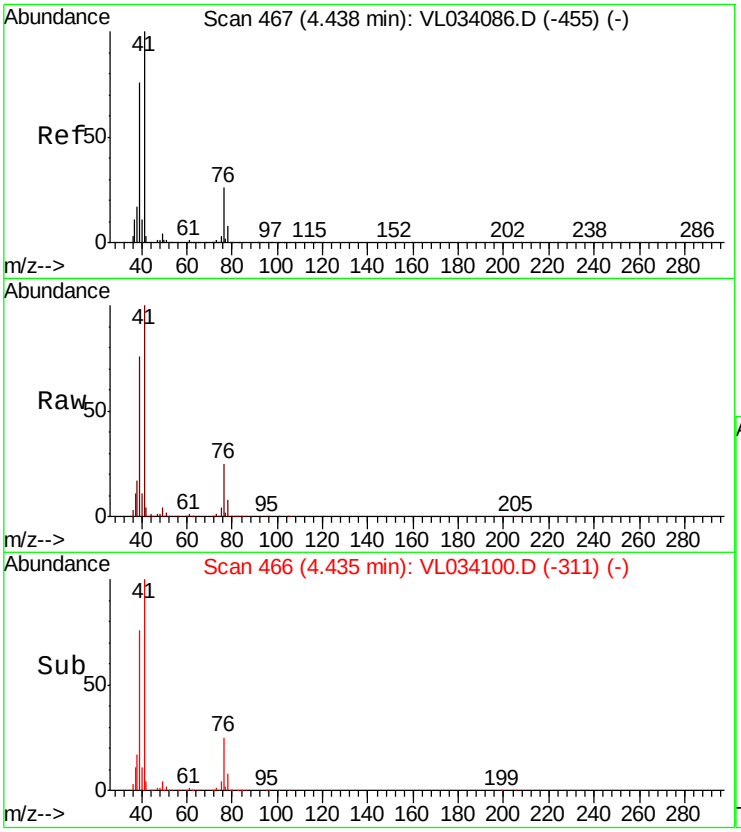


#20
Methylene Chloride
Concen: 8.825 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 84 Resp: 435473

Ion	Ratio	Lower	Upper
84	100		
49	164.6	129.7	194.5
51	49.8	35.8	53.8
86	64.0	49.8	74.8



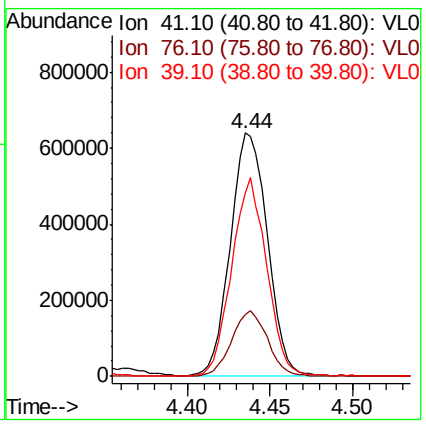


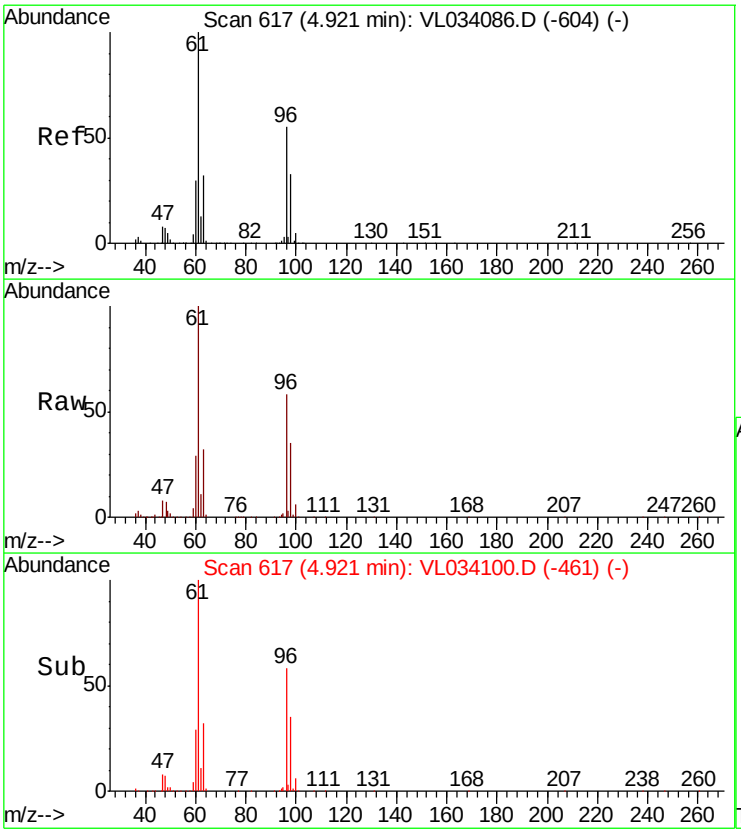
#21
Allyl Chloride
Concen: 8.721 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 993252

Ion	Ratio	Lower	Upper
41	100		
76	26.2	20.8	31.2
39	77.6	61.3	91.9

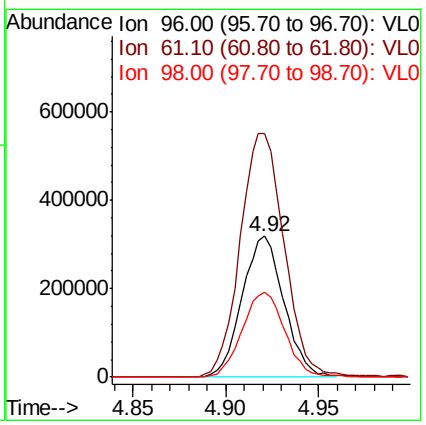


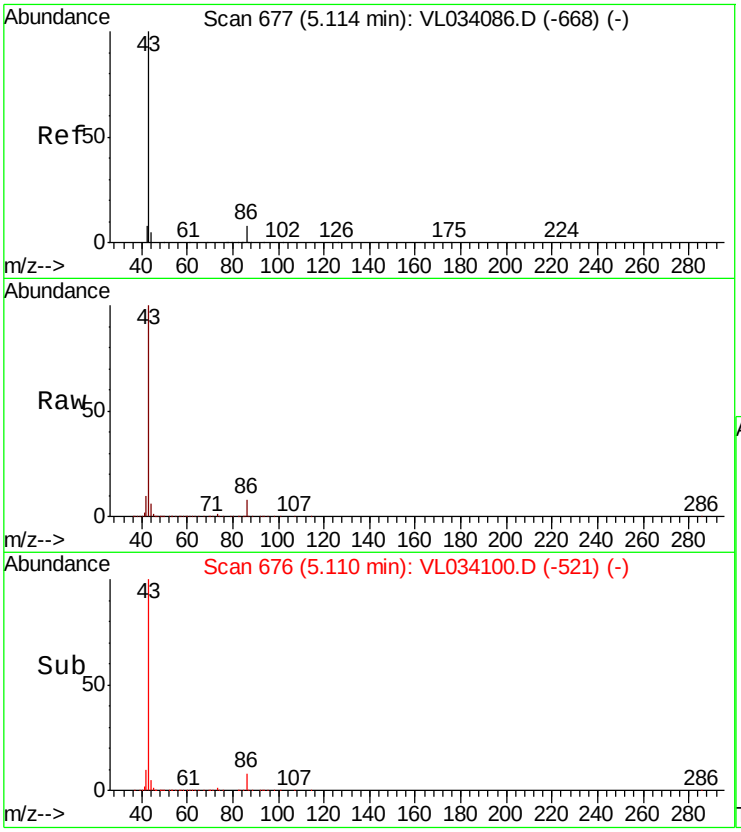


#22
trans-1,2-Dichloroethene
Concen: 9.147 ppbv
RT: 4.92 min Scan# 617
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 96 Resp: 498407

Ion	Ratio	Lower	Upper
96	100		
61	172.5	144.2	216.2
98	59.8	48.0	72.0



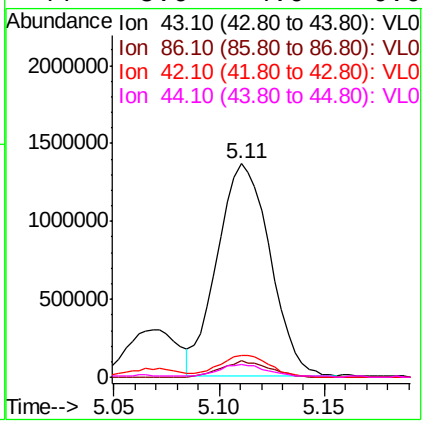


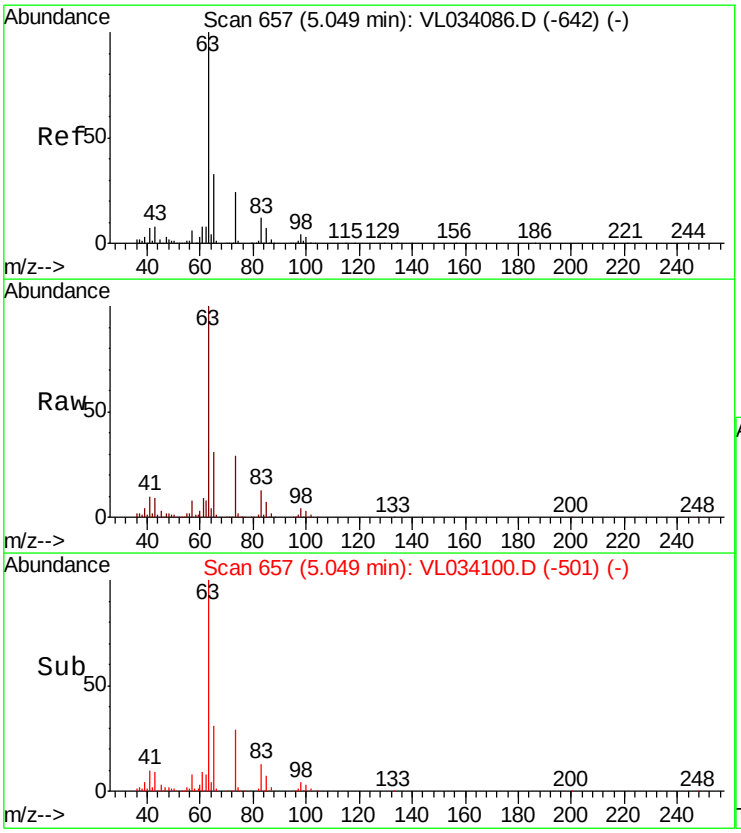
#23
Vinyl Acetate
Concen: 8.656 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2361584

Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.4	8.0
42	9.9	7.9	11.9
44	5.6	4.0	6.0

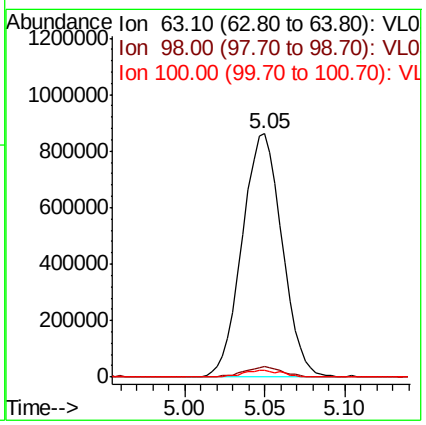


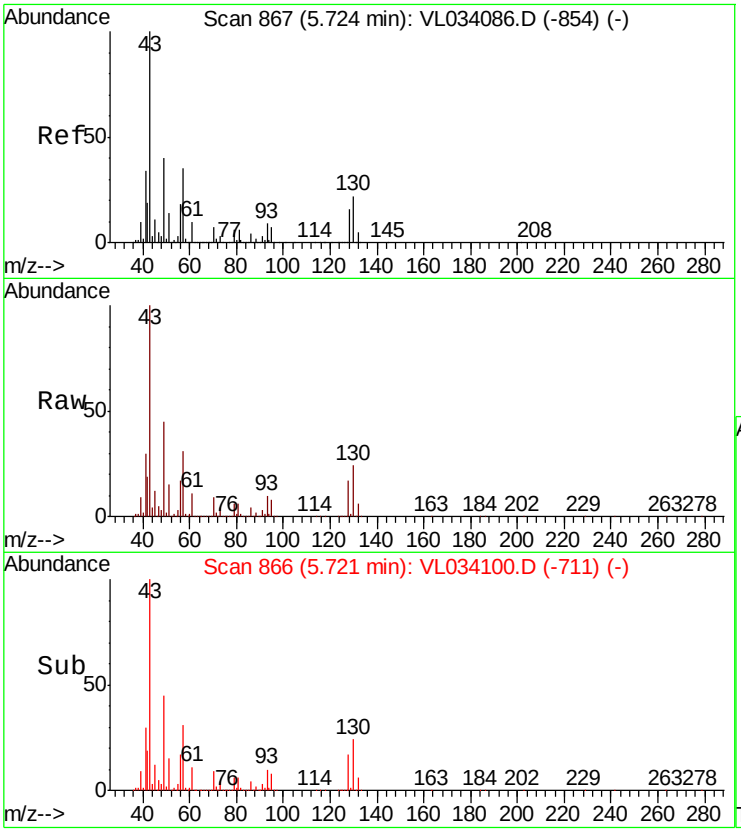


#24
1,1-Dichloroethane
Concen: 9.050 ppbv
RT: 5.05 min Scan# 657
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 63 Resp: 1469140

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.0	6.0
100	2.7	1.3	3.8



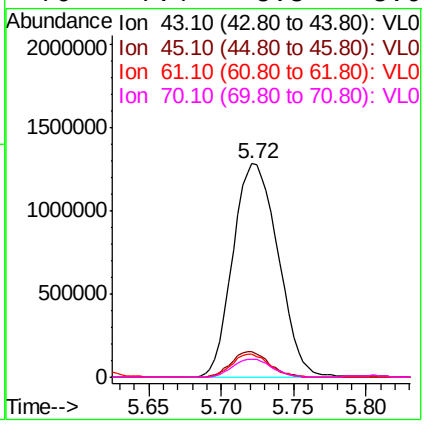


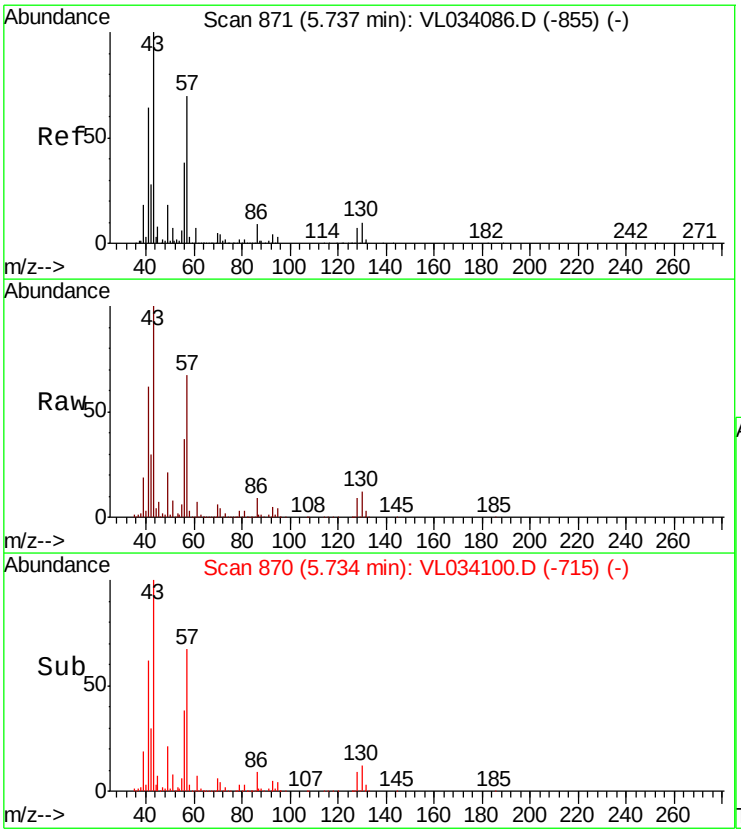
#25
Ethyl Acetate
Concen: 8.570 ppbv
RT: 5.72 min Scan# 866
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2773898

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.4	12.6
61	9.2	7.3	10.9
70	7.4	5.8	8.6

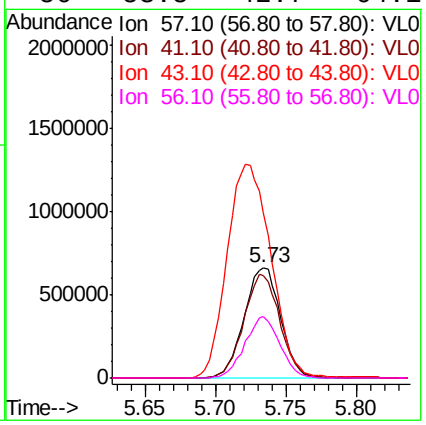


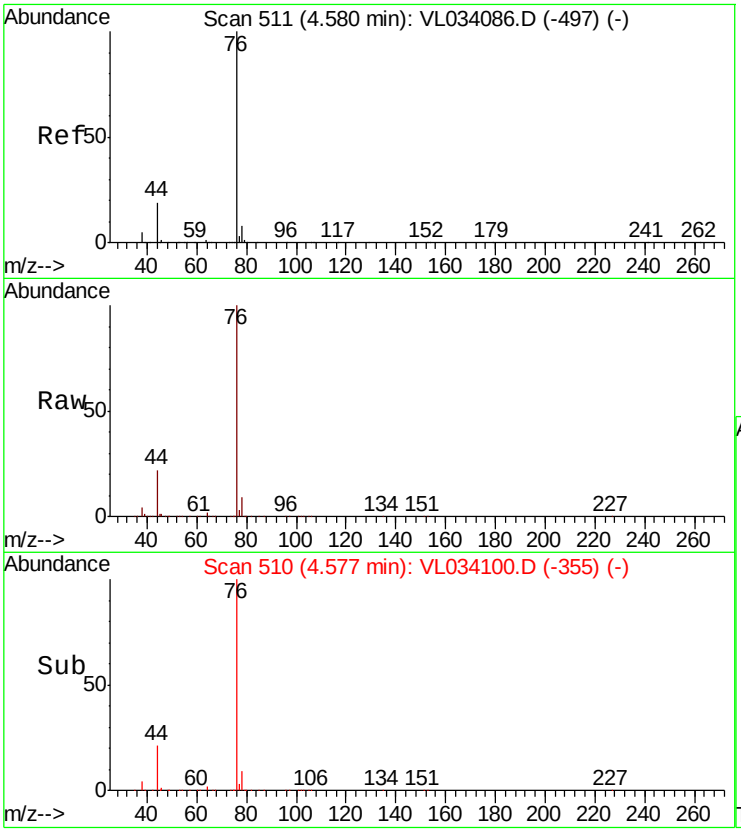


#26
Hexane
Concen: 8.751 ppbv
RT: 5.73 min Scan# 870
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 57 Resp: 1200549

Ion	Ratio	Lower	Upper
57	100		
41	93.0	75.7	113.5
43	232.5	189.8	284.8
56	53.5	42.7	64.1



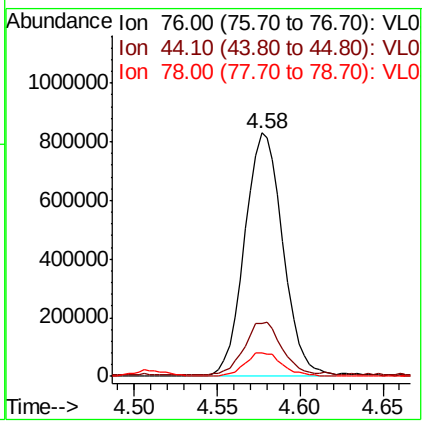


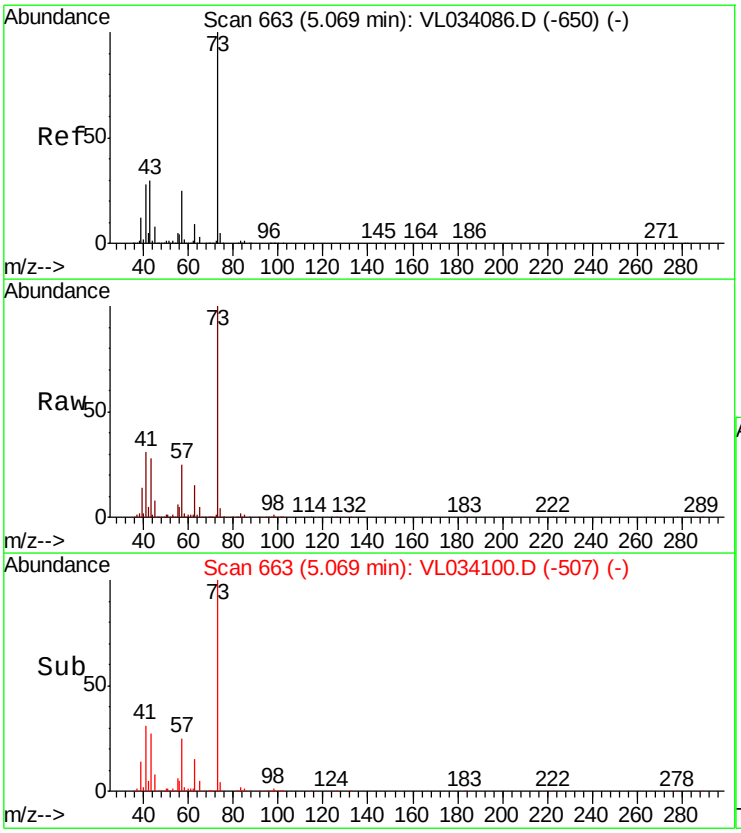
#27
Carbon Disulfide
Concen: 9.202 ppbv
RT: 4.58 min Scan# 510
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1330935

Ion	Ratio	Lower	Upper
76	100		
44	21.9	17.8	26.6
78	9.4	7.7	11.5

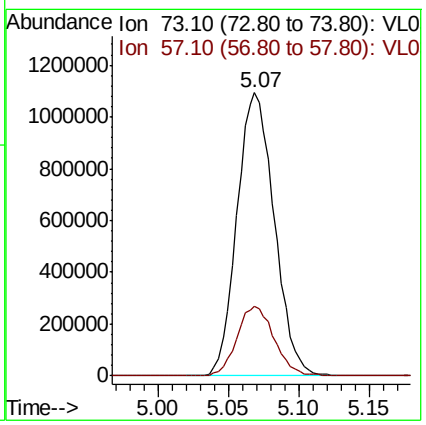


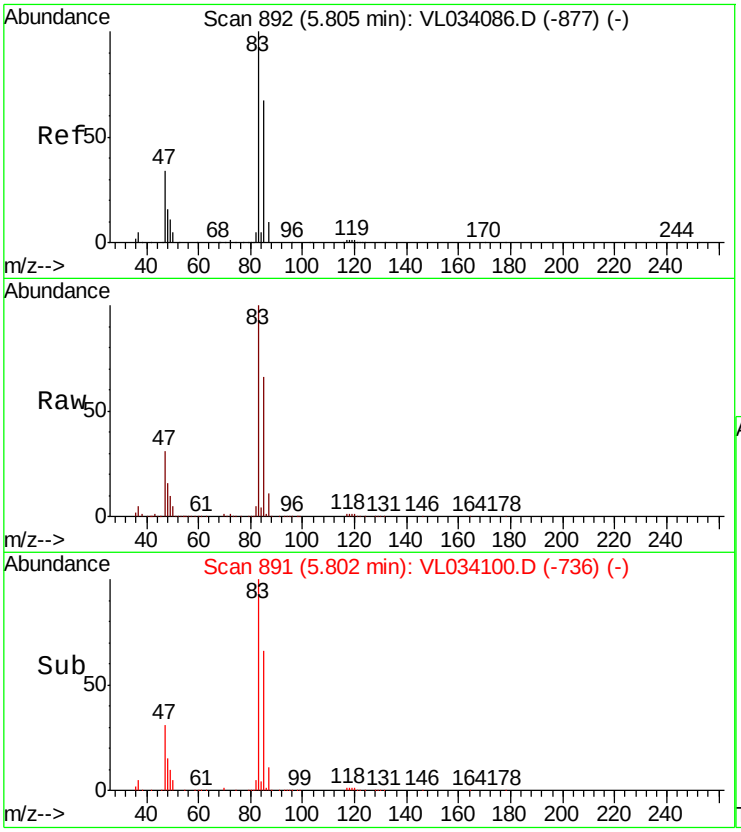


#28
Methyl tert-Butyl Ether
Concen: 8.838 ppbv
RT: 5.07 min Scan# 663
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 73 Resp: 2027638

Ion	Ratio	Lower	Upper
73	100		
57	24.7	19.5	29.3



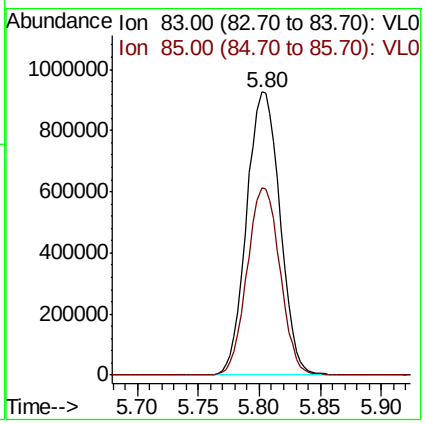


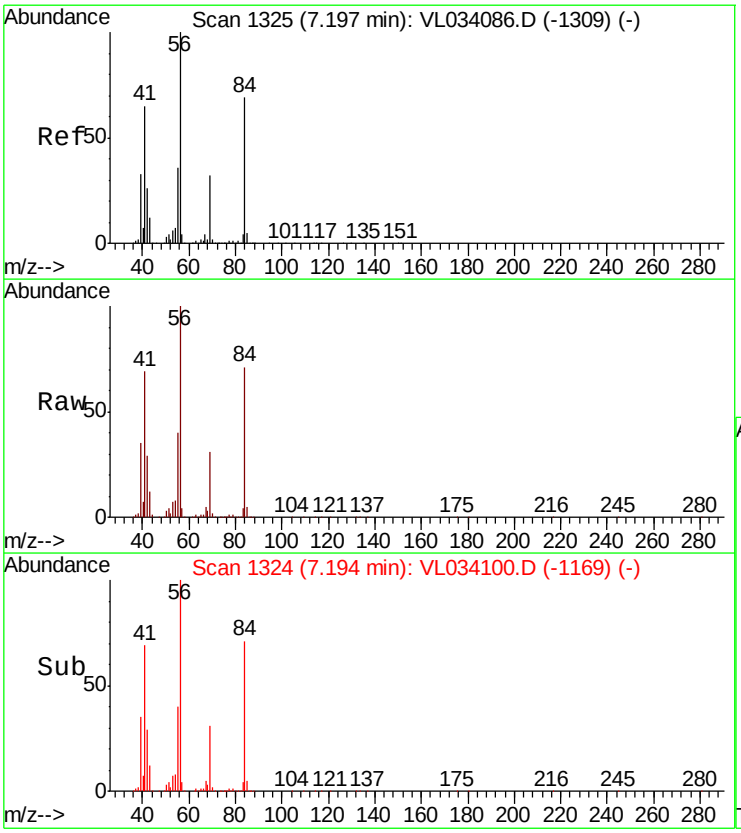
#29
Chloroform
Concen: 9.338 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1741439

Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.2	79.8

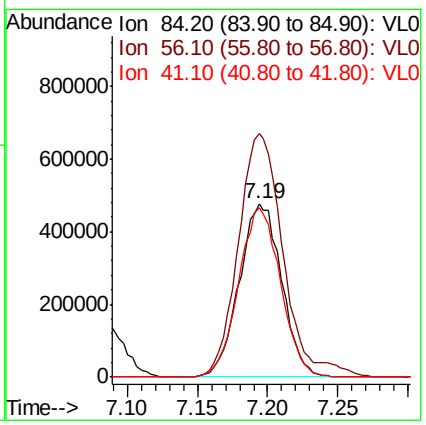


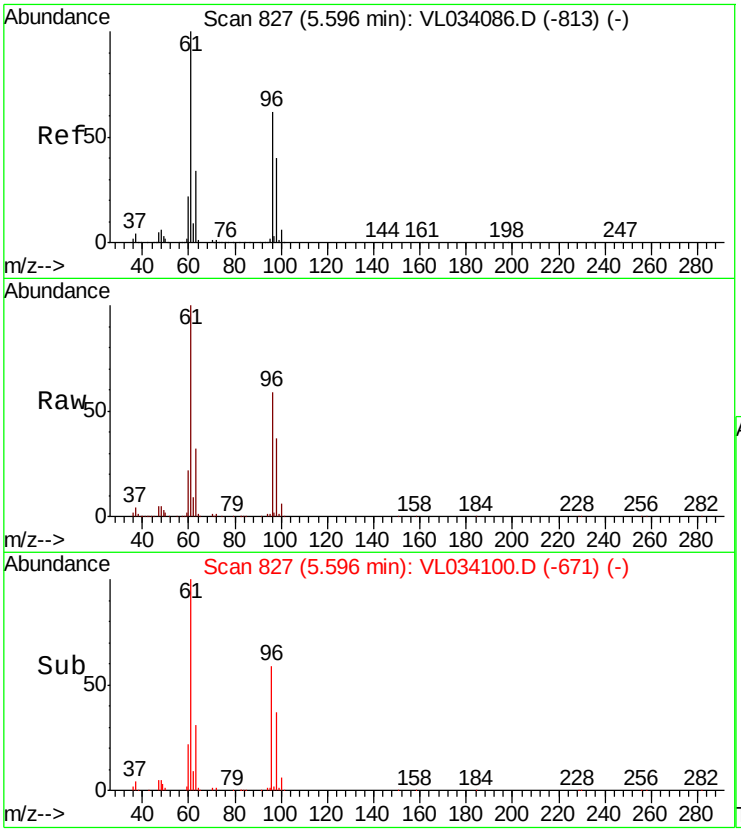


#30
Cyclohexane
Concen: 9.205 ppbv
RT: 7.19 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 84 Resp: 997593

Ion	Ratio	Lower	Upper
84	100		
56	149.8	122.6	184.0
41	97.2	80.1	120.1



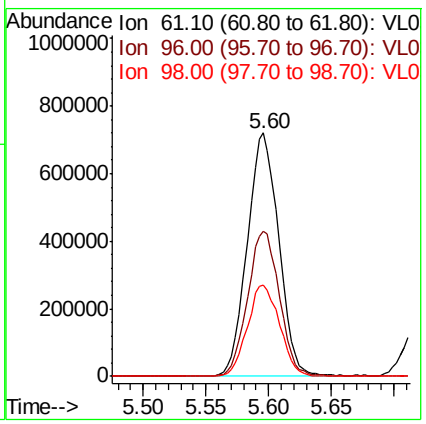


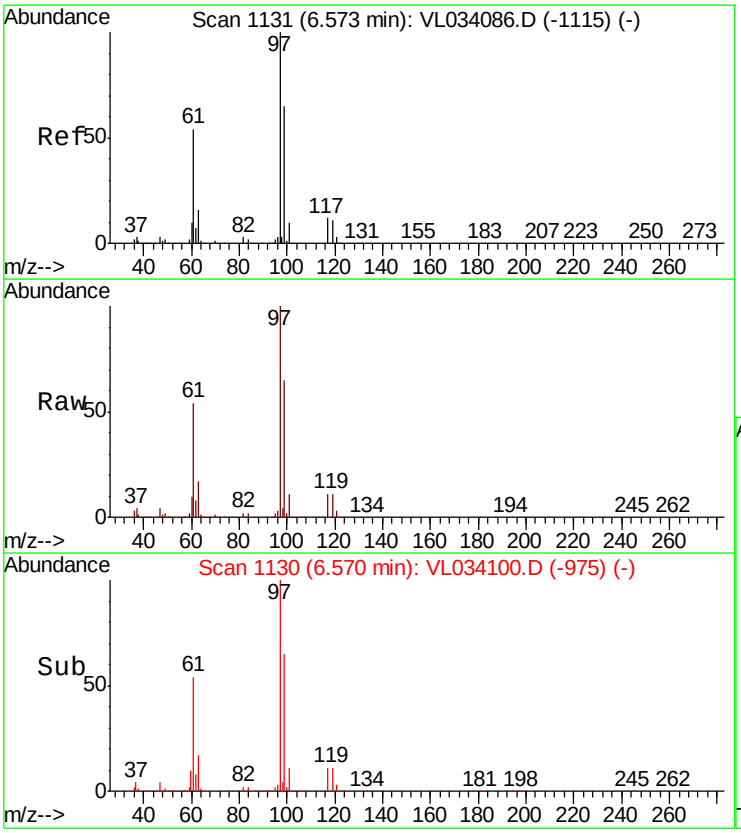
#31
cis-1,2-Dichloroethene
Concen: 9.305 ppbv
RT: 5.60 min Scan# 827
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1260932

Ion	Ratio	Lower	Upper
61	100		
96	59.3	49.3	73.9
98	37.4	32.4	48.6

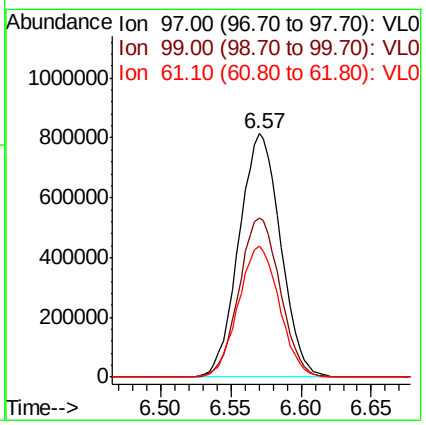


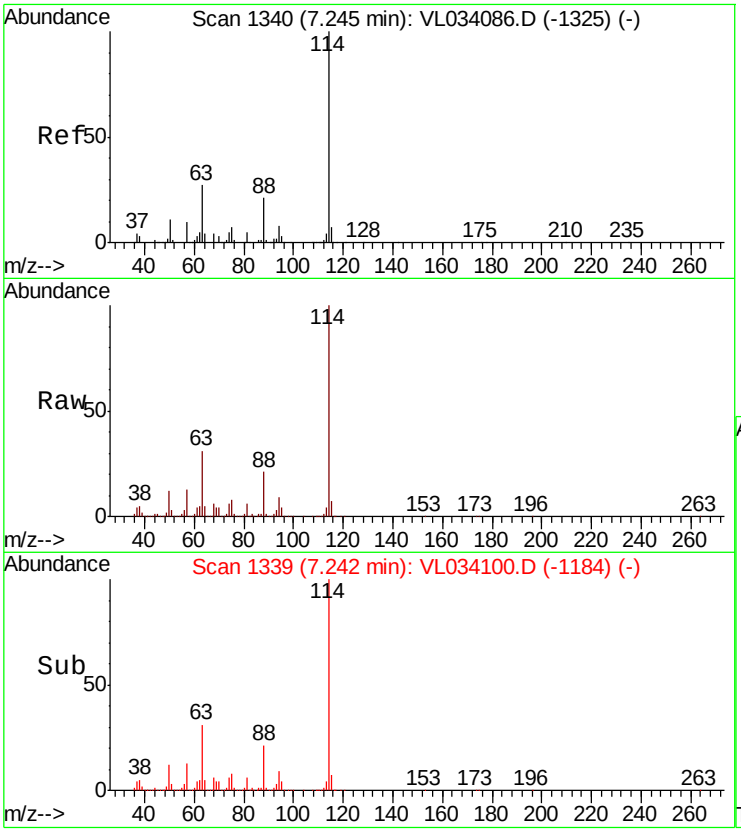


#32
1,1,1-Trichloroethane
Concen: 9.120 ppbv
RT: 6.57 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 97 Resp: 1683266

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.4
61	53.3	42.0	63.0



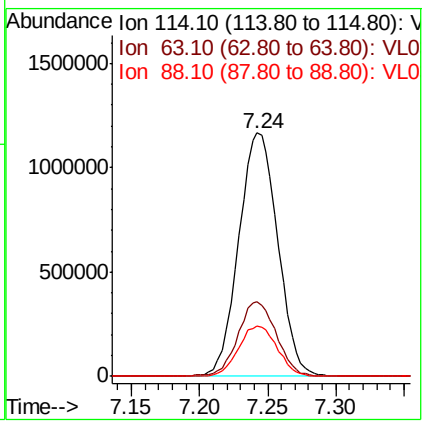


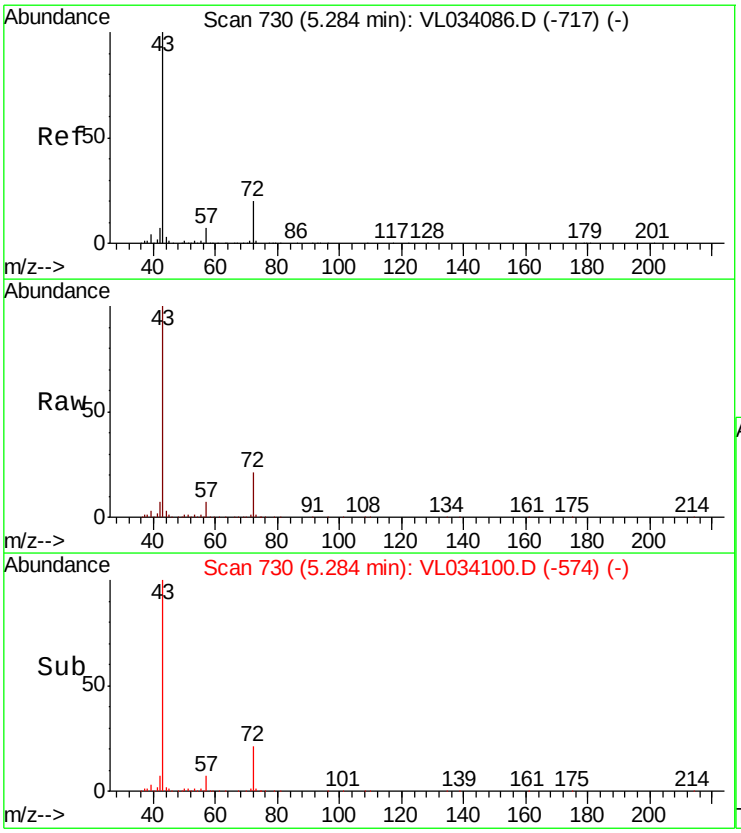
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 2313674

Ion	Ratio	Lower	Upper
114	100		
63	30.5	22.5	33.7
88	20.5	15.7	23.5

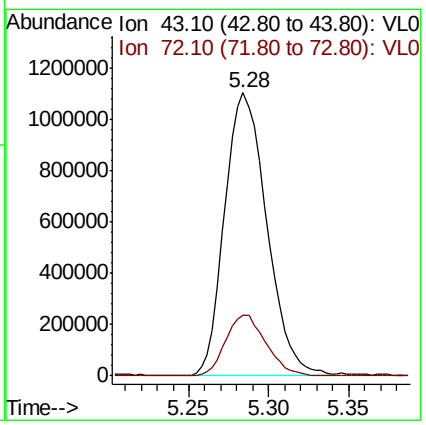


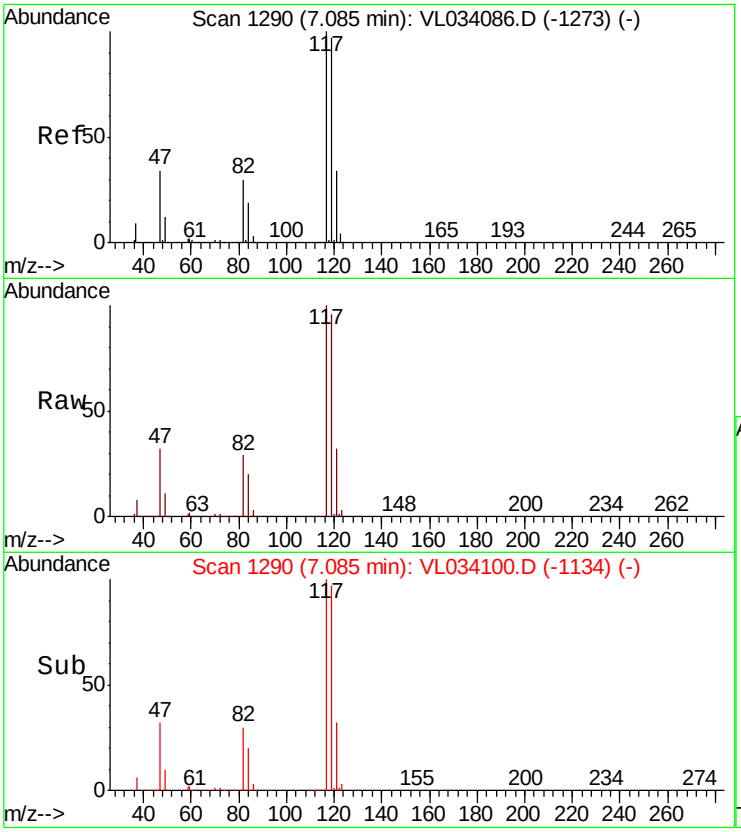


#34
2-Butanone
Concen: 9.177 ppbv
RT: 5.28 min Scan# 730
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 43 Resp: 1973917

Ion	Ratio	Lower	Upper
43	100		
72	20.9	16.0	24.0



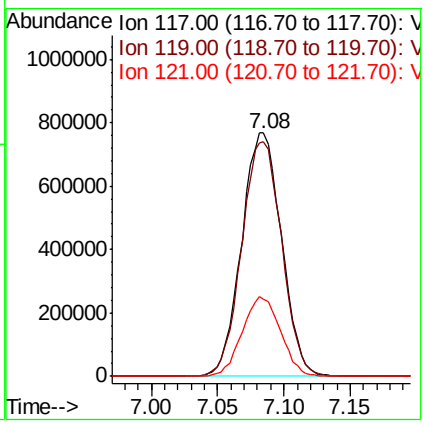


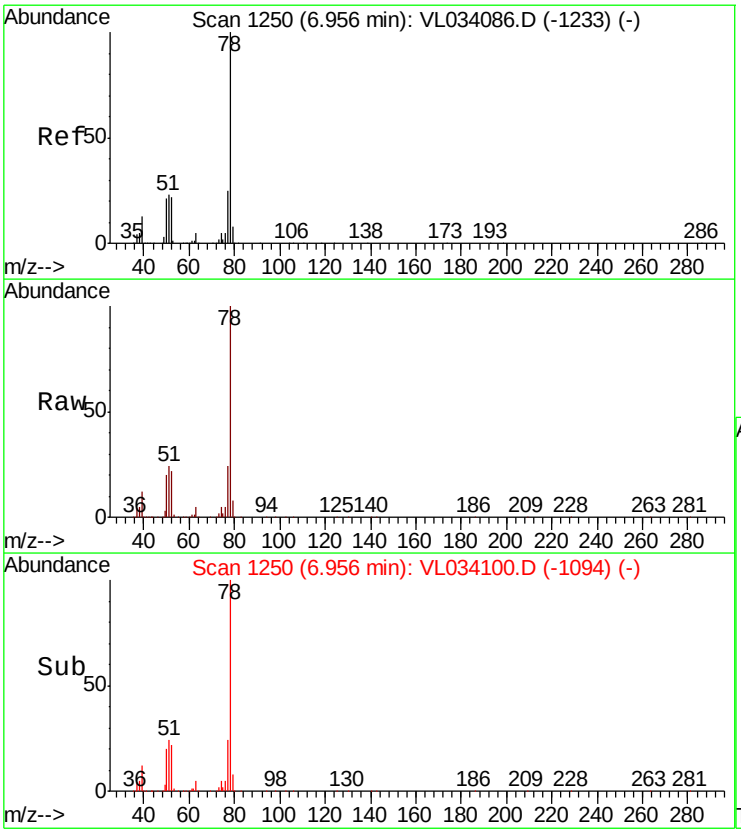
#35
Carbon Tetrachloride
Concen: 9.059 ppbv
RT: 7.08 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 1608763

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.8	116.6
121	31.5	27.4	41.2

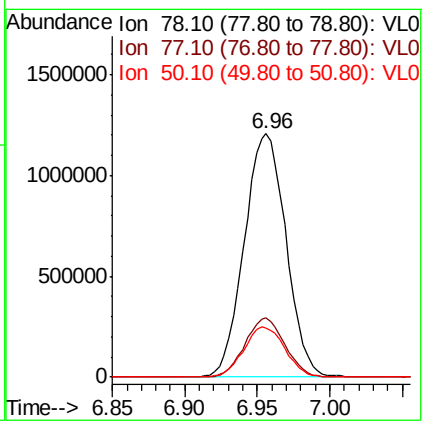


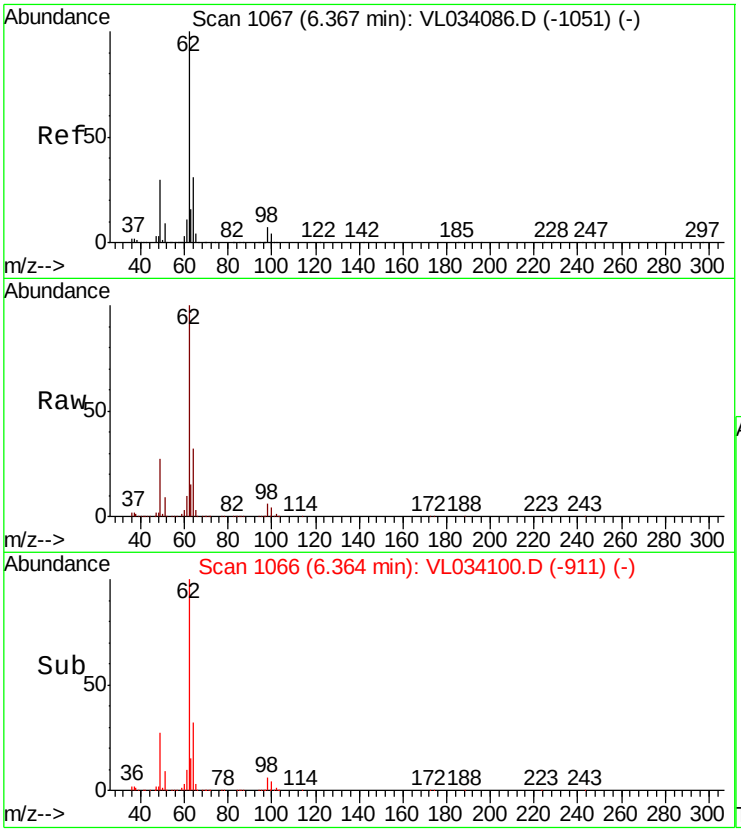


#36
Benzene
Concen: 9.187 ppbv
RT: 6.96 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 78 Resp: 2415906

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.9	29.9
50	20.3	16.7	25.1



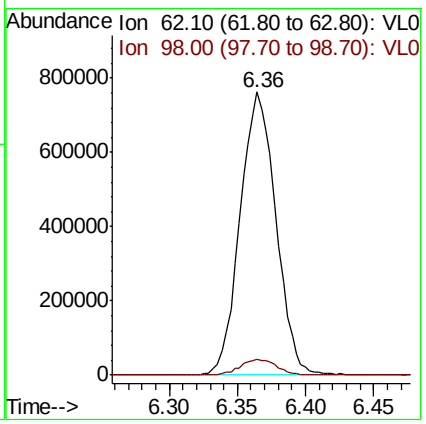


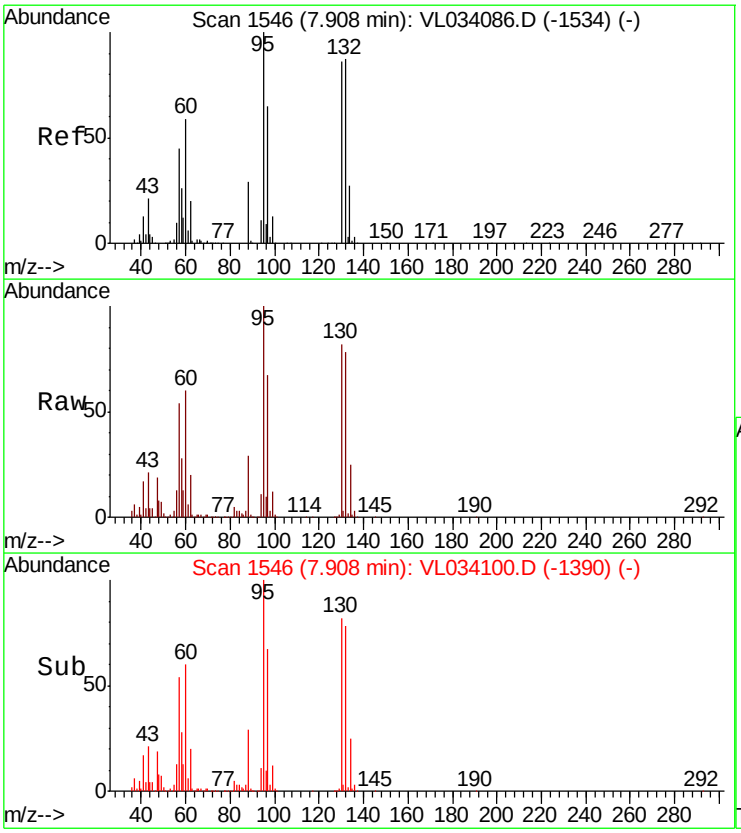
#37
1,2-Dichloroethane
Concen: 9.815 ppbv
RT: 6.36 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1388610

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.9	7.3

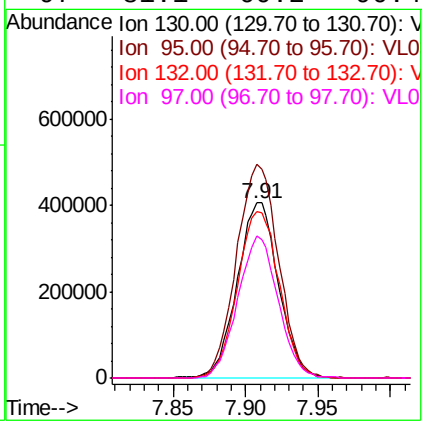


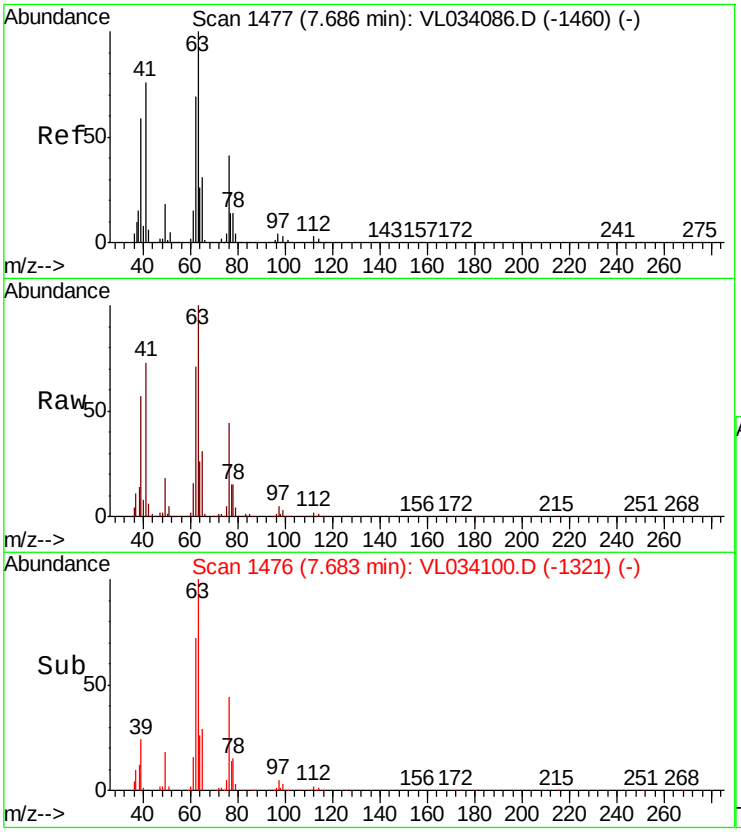


#38
Trichloroethene
Concen: 7.891 ppbv
RT: 7.91 min Scan# 1546
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:130 Resp: 803642

Ion	Ratio	Lower	Upper
130	100		
95	121.8	92.1	138.1
132	95.2	79.7	119.5
97	81.1	60.2	90.4



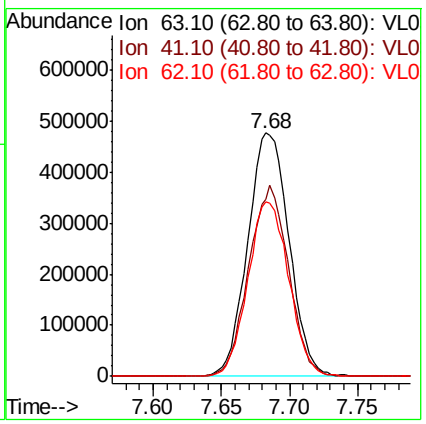


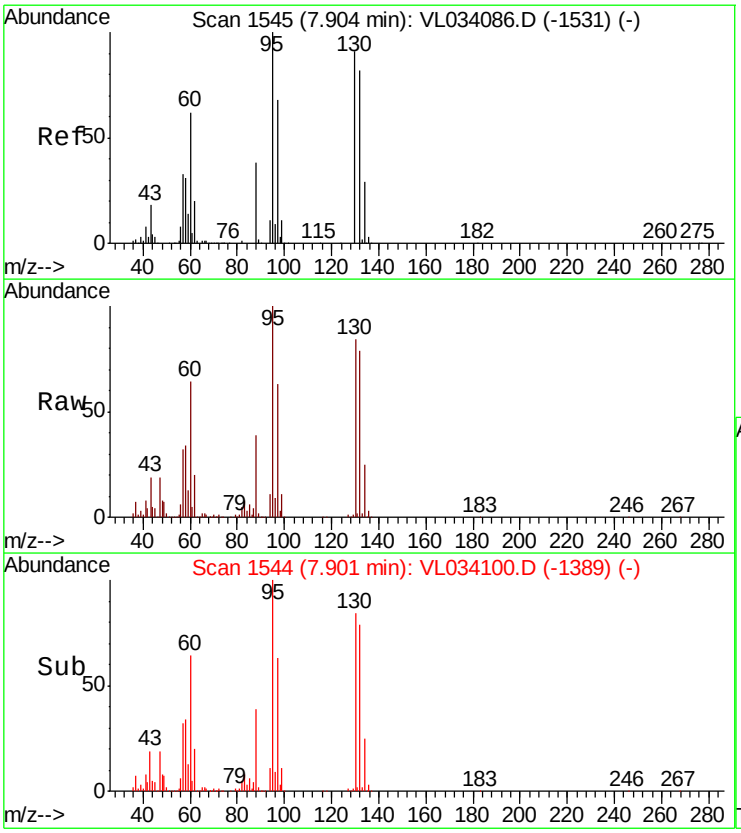
#39
1,2-Dichloropropane
Concen: 9.455 ppbv
RT: 7.68 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 1003282

Ion	Ratio	Lower	Upper
63	100		
41	72.6	60.6	91.0
62	71.5	55.0	82.6

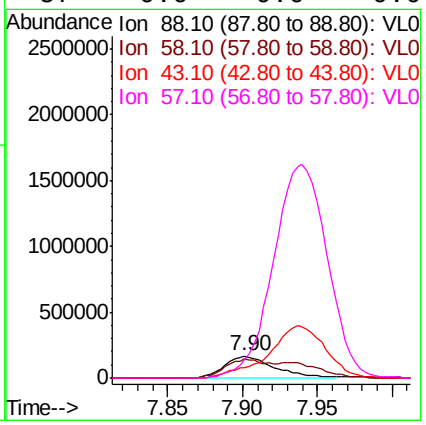


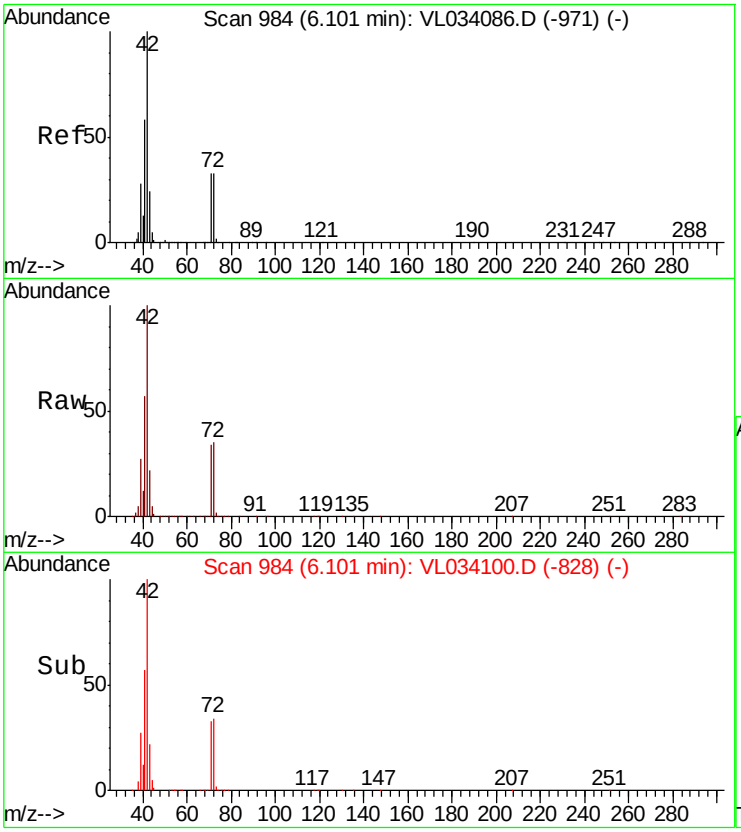


#40
1,4-Dioxane
Concen: 9.544 ppbv
RT: 7.90 min Scan# 1544
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 88 Resp: 382093

Ion	Ratio	Lower	Upper
88	100		
58	135.8	113.0	169.4
43	0.0	0.0	0.0
57	0.0	0.0	0.0



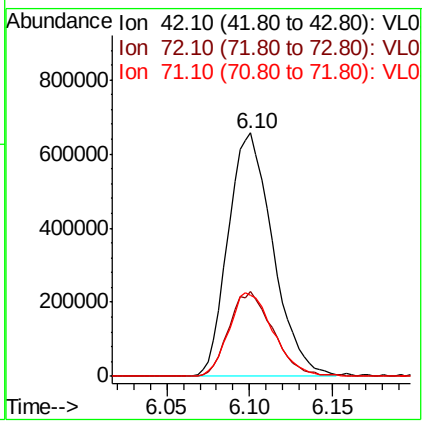


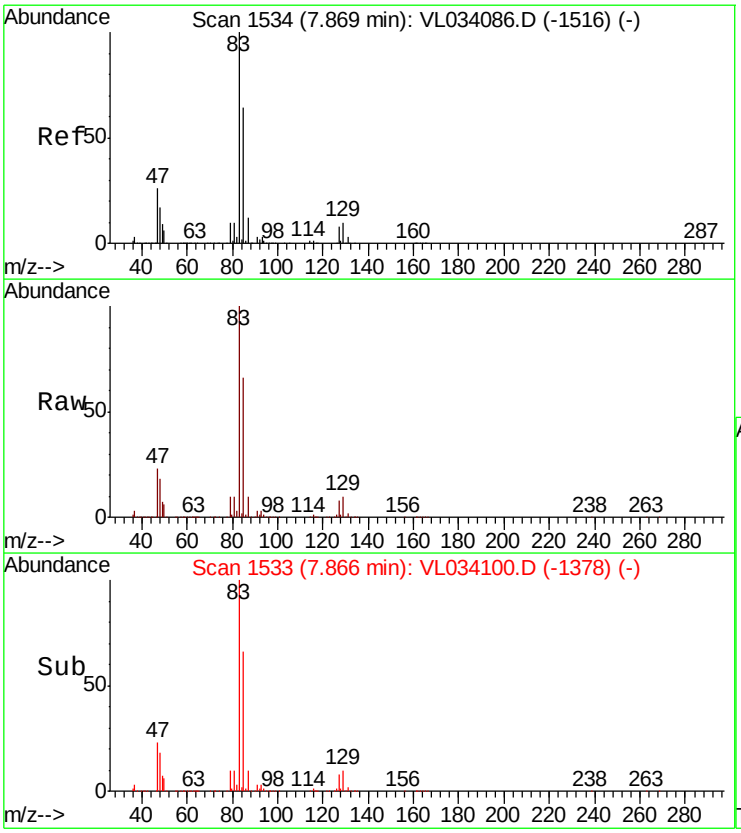
#41
Tetrahydrofuran
Concen: 9.328 ppbv
RT: 6.10 min Scan# 984
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 42 Resp: 1234322

Ion	Ratio	Lower	Upper
42	100		
72	34.4	26.9	40.3
71	34.2	26.5	39.7

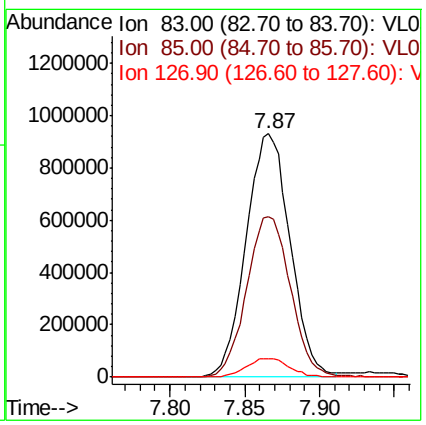


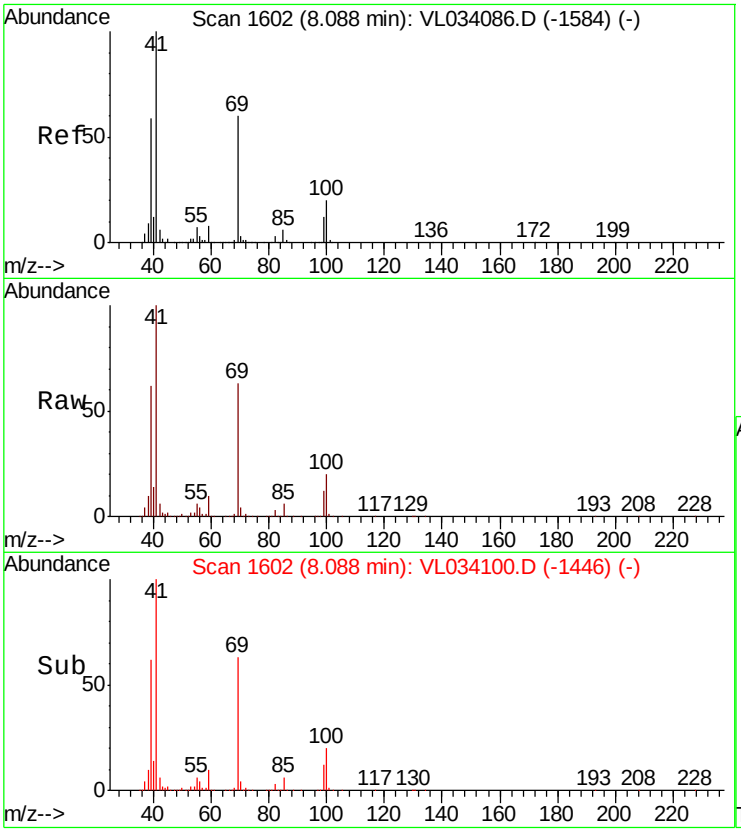


#42
Bromodichloromethane
Concen: 9.615 ppbv
RT: 7.87 min Scan# 1533
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 83 Resp: 1907185

Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.9	76.3
127	7.7	6.1	9.1



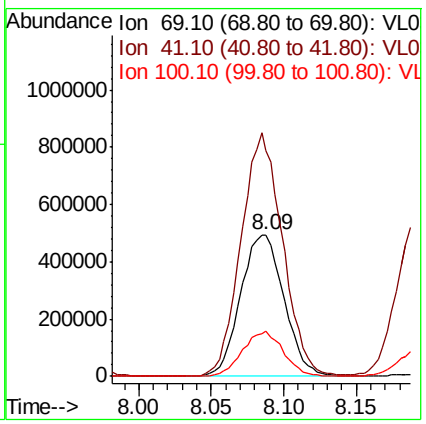


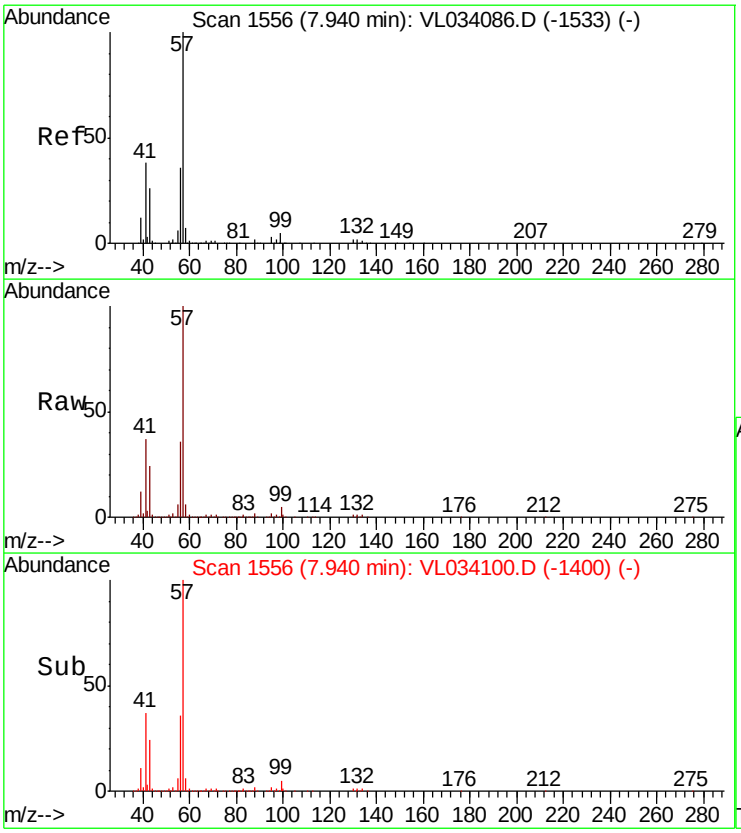
#43
Methyl Methacrylate
Concen: 9.533 ppbv
RT: 8.09 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1028245

Ion	Ratio	Lower	Upper
69	100		
41	164.4	132.9	199.3
100	30.3	25.8	38.8

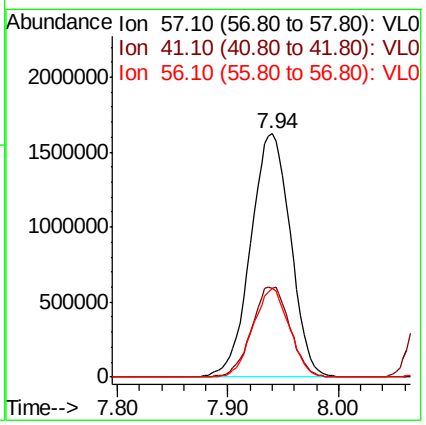


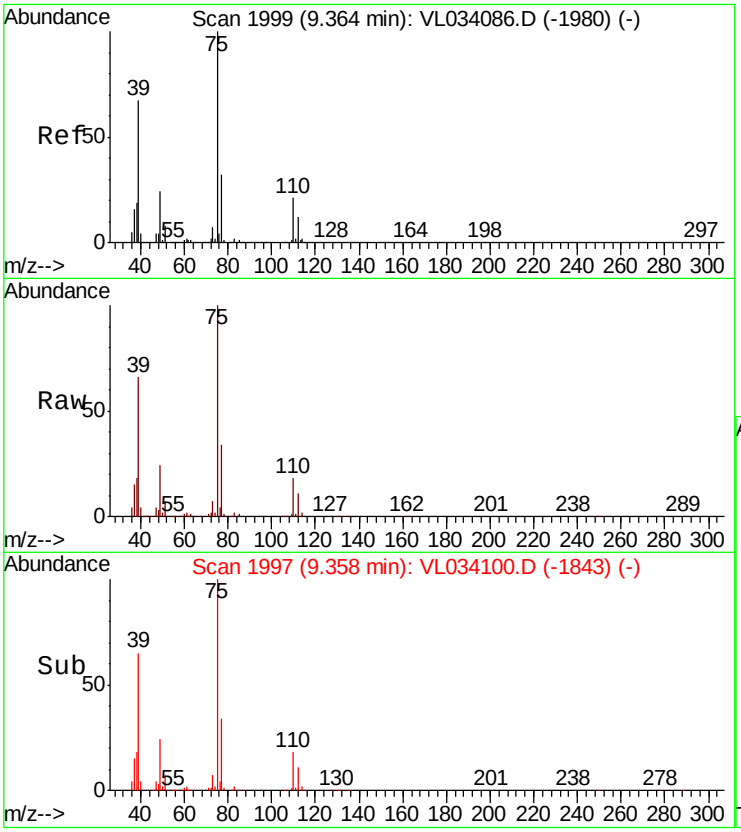


#44
2,2,4-Trimethylpentane
Concen: 8.622 ppbv
RT: 7.94 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 57 Resp: 4059473

Ion	Ratio	Lower	Upper
57	100		
41	35.5	29.2	43.8
56	33.3	26.7	40.1



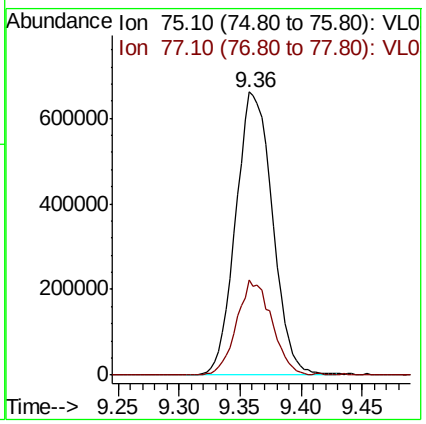


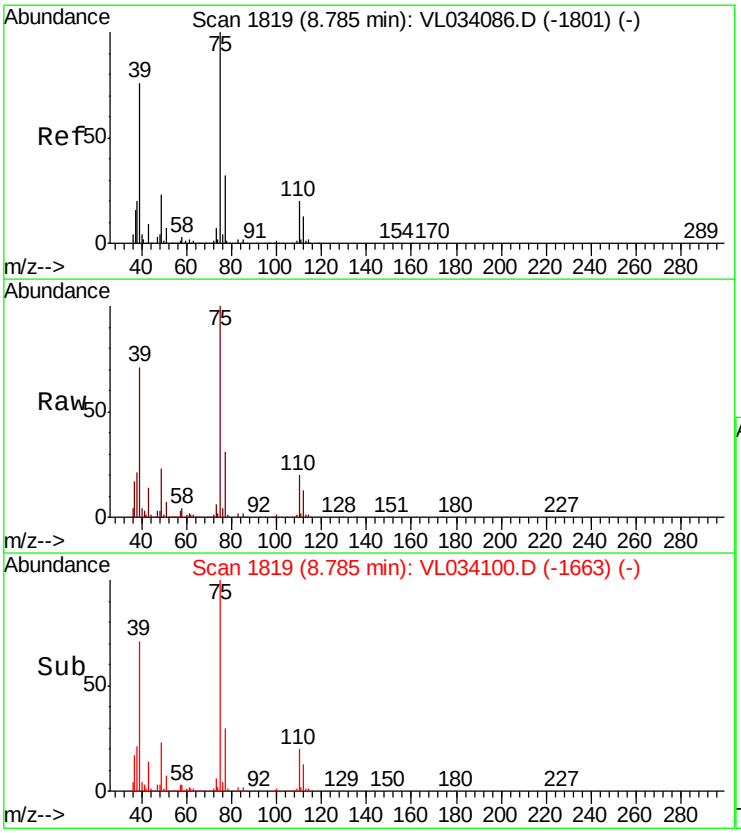
#45
t-1,3-Dichloropropene
Concen: 10.071 ppbv
RT: 9.36 min Scan# 1997
Delta R.T. -0.01 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1377141

Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.7	38.5

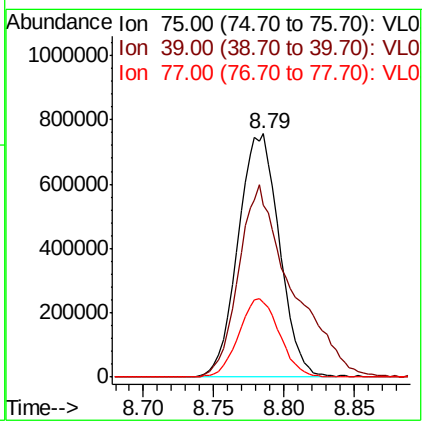


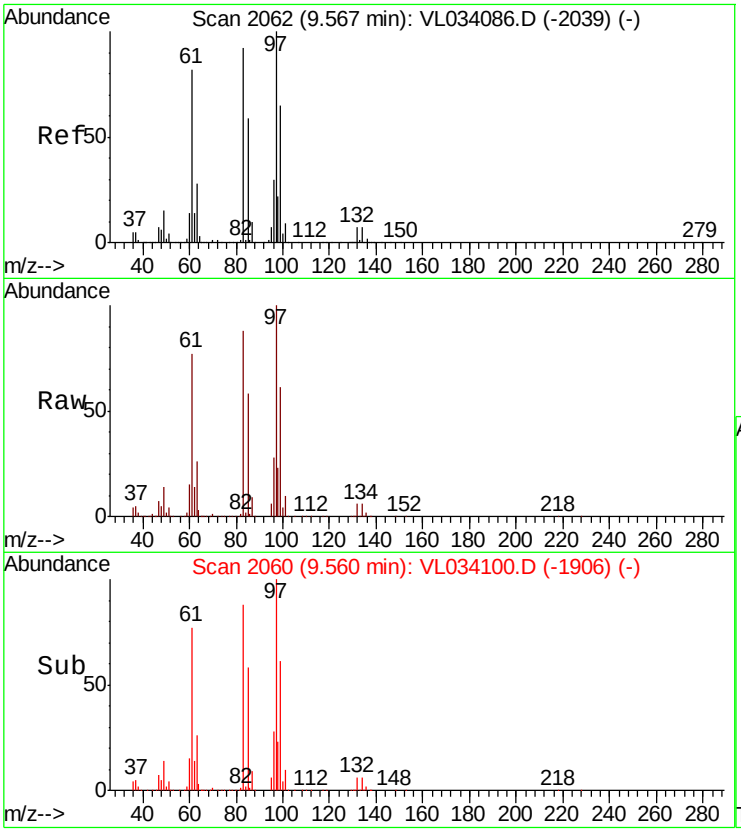


#46
cis-1,3-Dichloropropene
Concen: 9.816 ppbv
RT: 8.79 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 75 Resp: 1549036

Ion	Ratio	Lower	Upper
75	100		
39	70.6	61.0	91.4
77	30.5	25.6	38.4



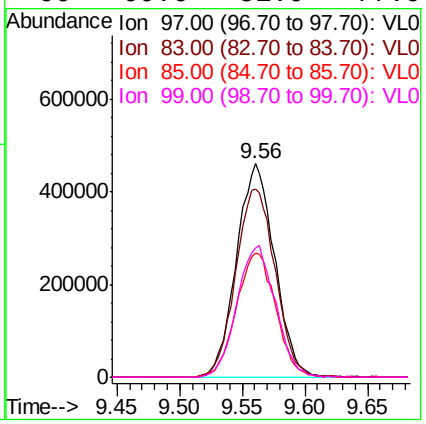


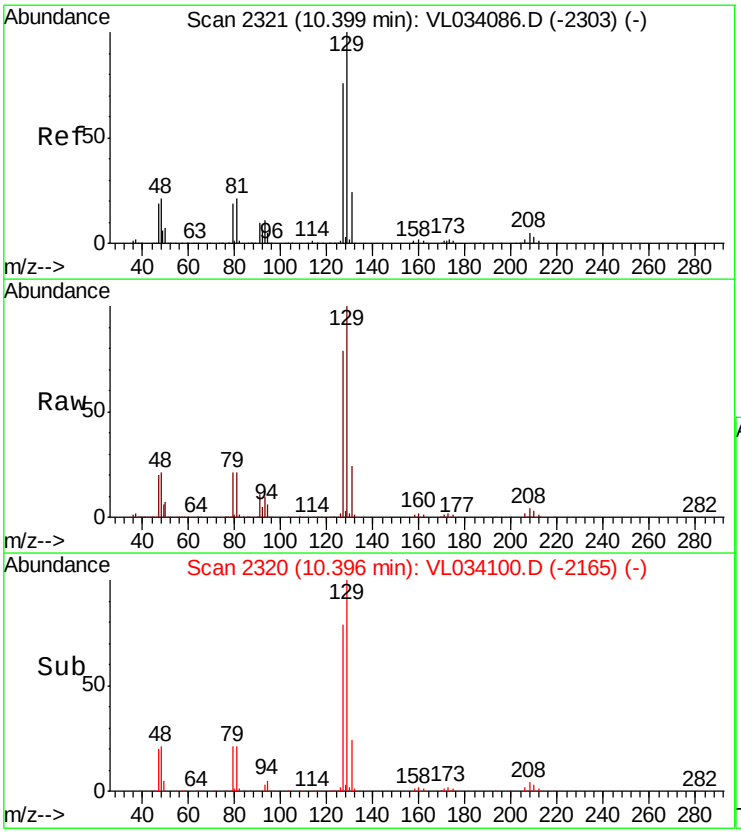
#47
1,1,2-Trichloroethane
Concen: 9.619 ppbv
RT: 9.56 min Scan# 2060
Delta R.T. -0.01 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 975732

Ion	Ratio	Lower	Upper
97	100		
83	88.1	74.0	111.0
85	58.3	47.1	70.7
99	60.6	51.9	77.9

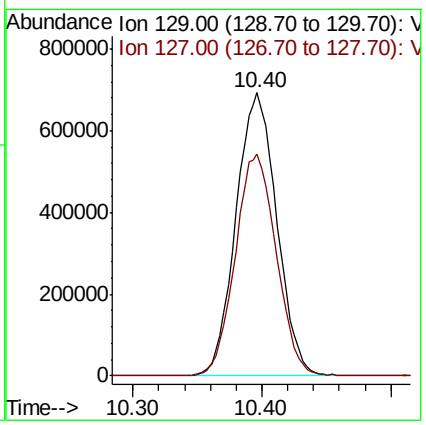


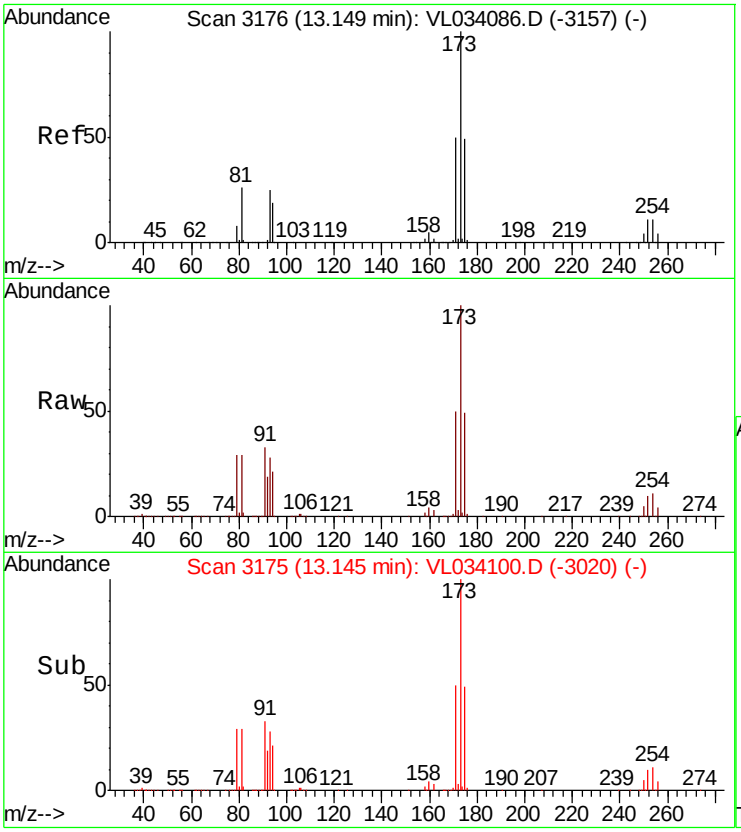


#48
Dibromochloromethane
Concen: 9.351 ppbv
RT: 10.40 min Scan# 2320
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:129 Resp: 1520871

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.4	118.2



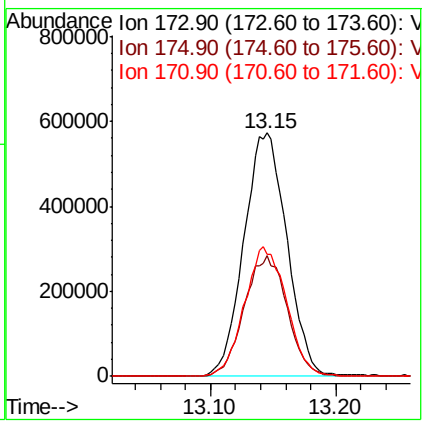


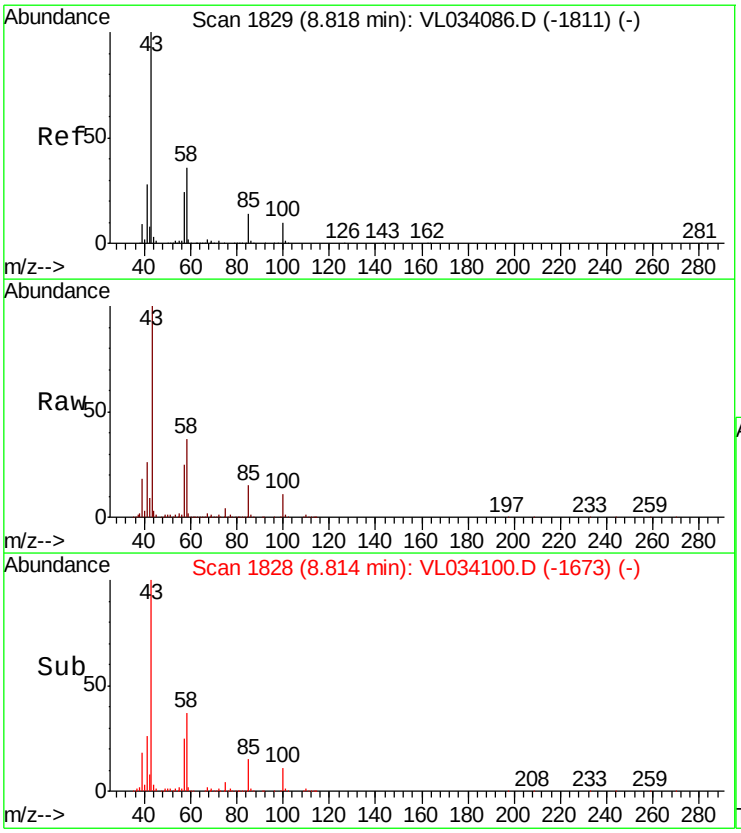
#49
Bromoform
Concen: 9.362 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1361529

Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.8	59.8
171	52.4	42.7	64.1

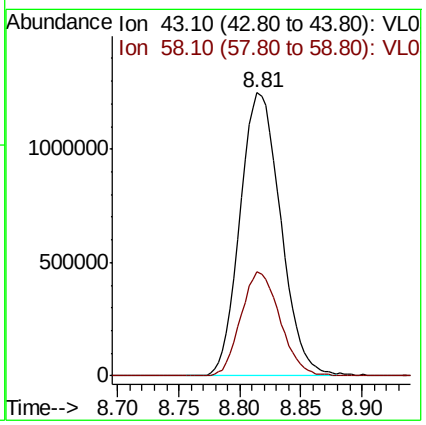


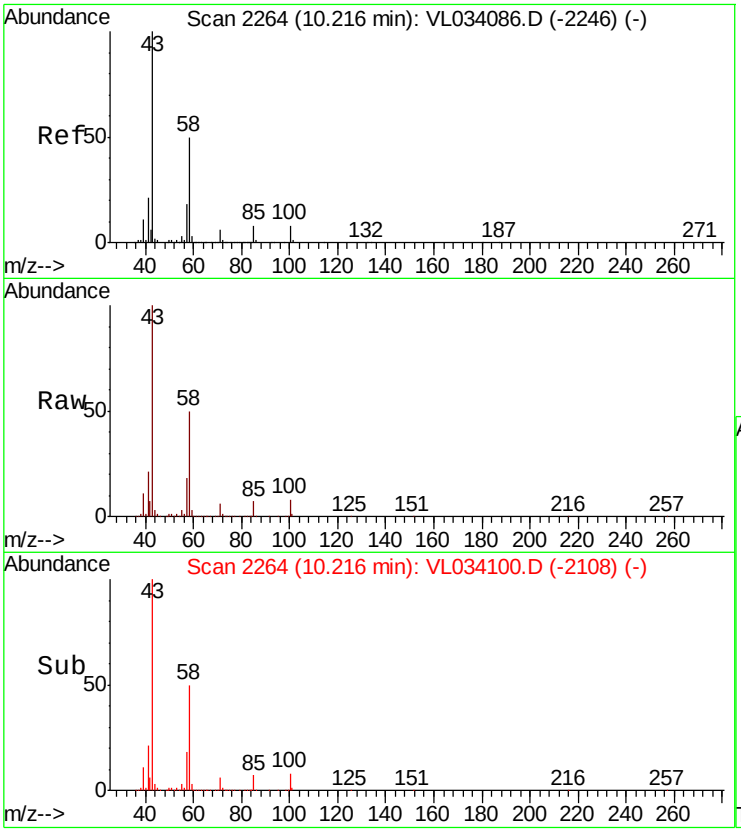


#50
4-Methyl-2-Pentanone
Concen: 8.785 ppbv
RT: 8.81 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 43 Resp: 2875990

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.2	42.2



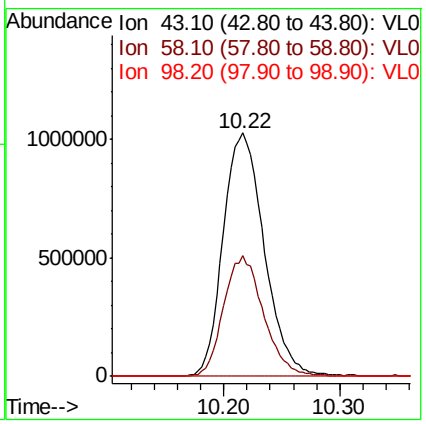


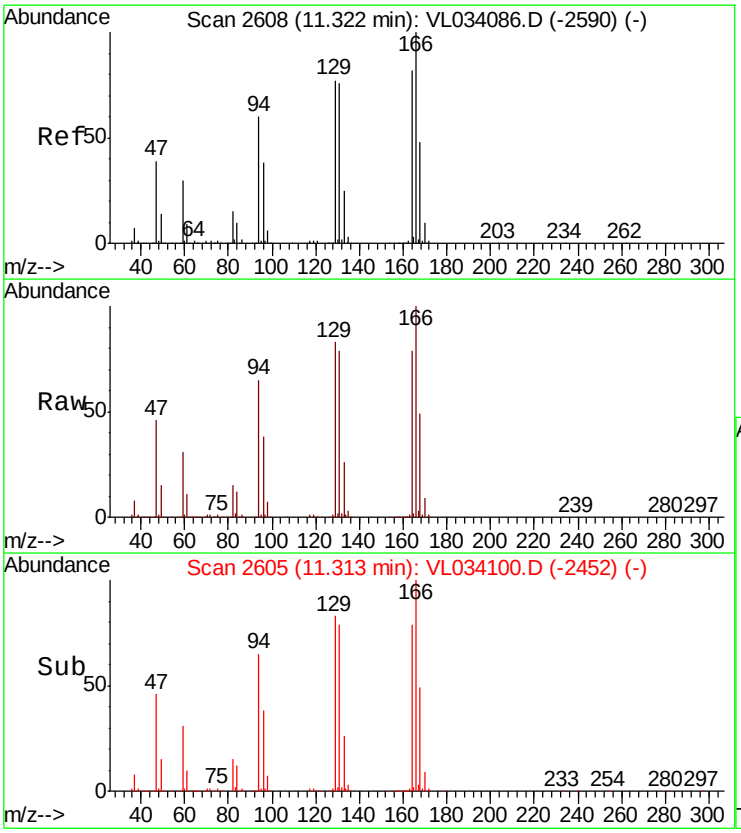
#51
2-Hexanone
Concen: 9.127 ppbv
RT: 10.22 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2510966

Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.5	57.7
98	0.0	0.0	0.0#

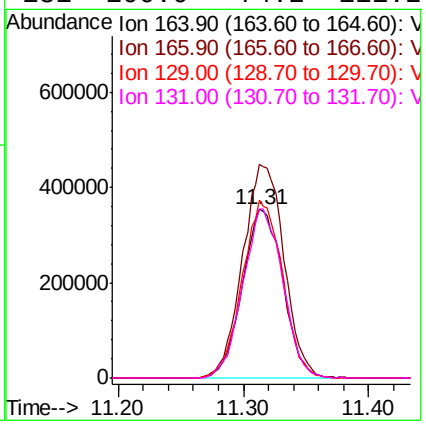


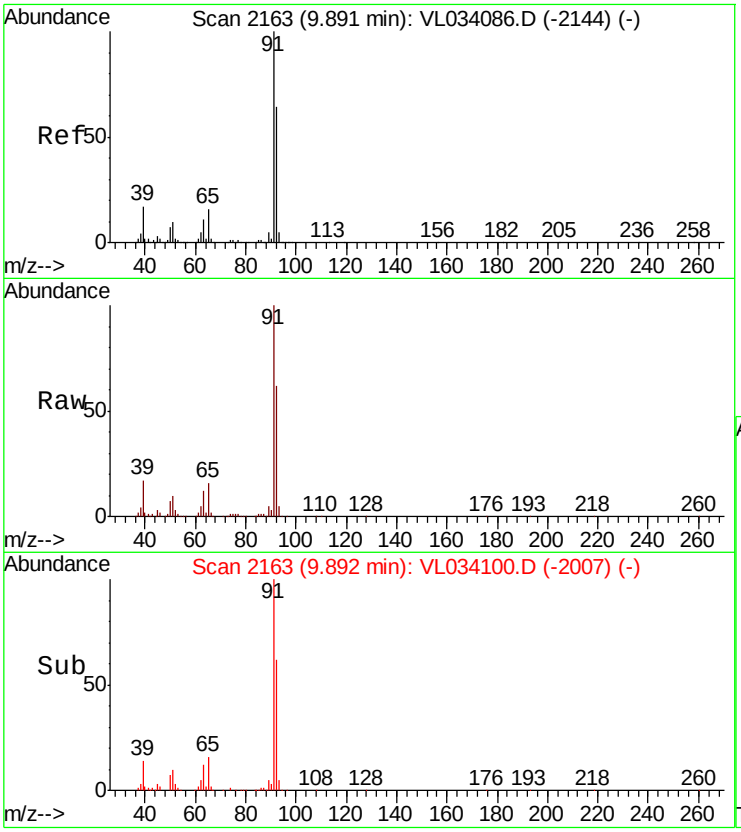


#52
Tetrachloroethene
Concen: 7.837 ppbv
RT: 11.31 min Scan# 2605
Delta R.T. -0.01 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:164 Resp: 795854

Ion	Ratio	Lower	Upper
164	100		
166	126.7	96.8	145.2
129	105.3	74.9	112.3
131	100.0	74.2	111.2



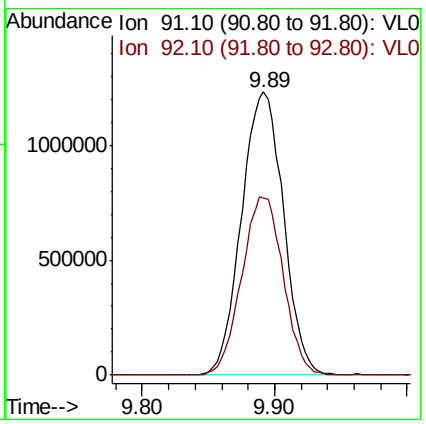


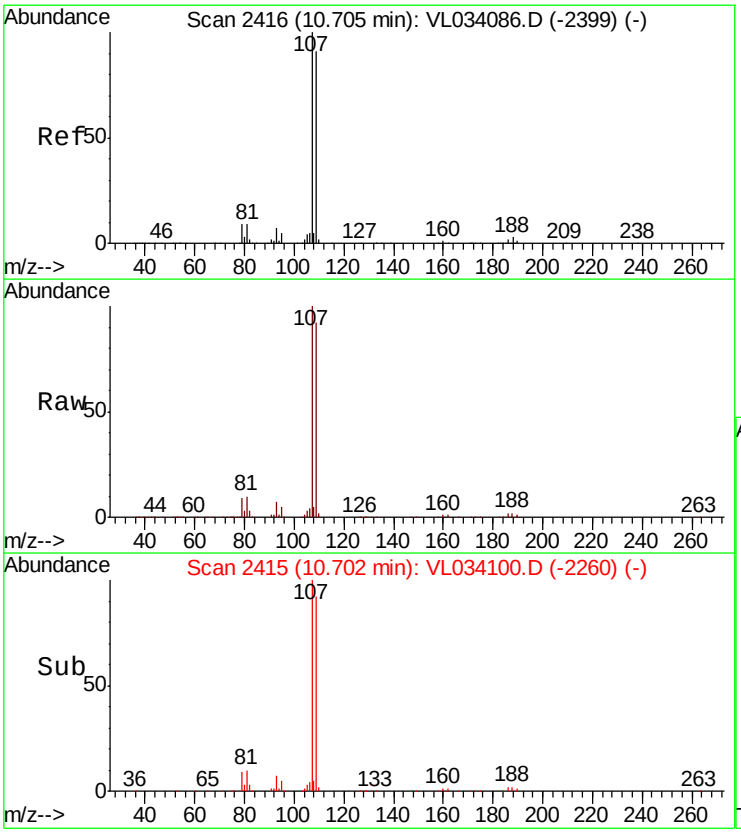
#53
Toluene
Concen: 8.948 ppbv
RT: 9.89 min Scan# 2163
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2715544

Ion	Ratio	Lower	Upper
91	100		
92	62.3	50.3	75.5

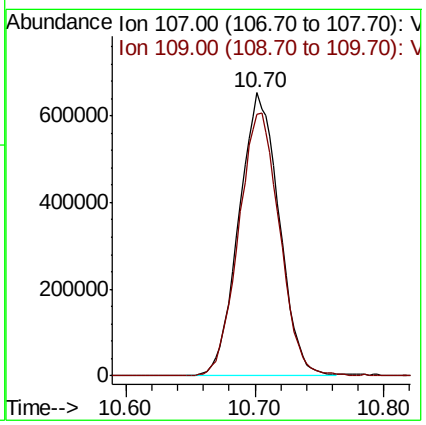


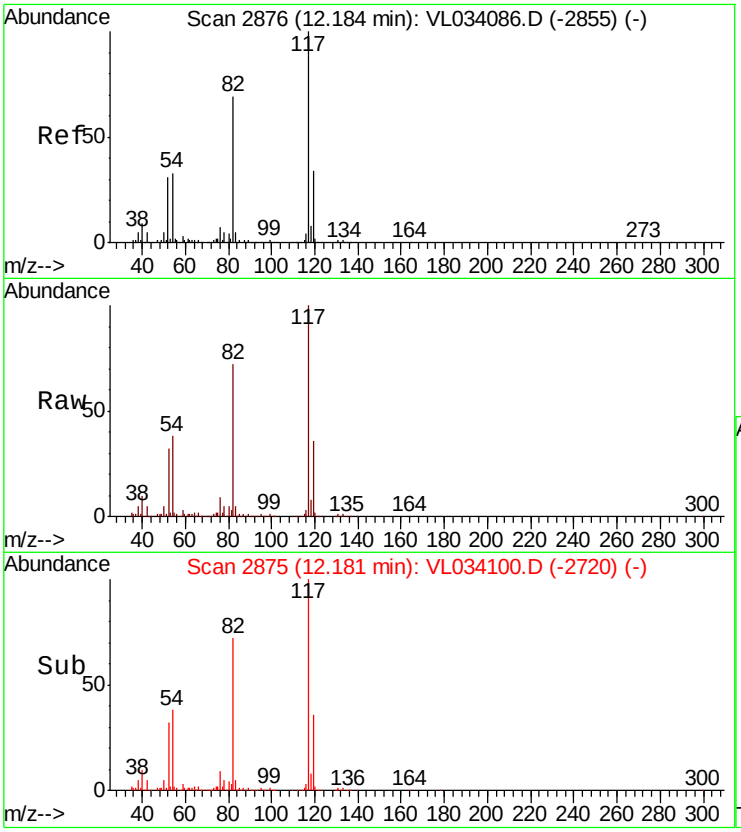


#54
1,2-Dibromoethane
Concen: 9.221 ppbv
RT: 10.70 min Scan# 2415
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:107 Resp: 1417106

Ion	Ratio	Lower	Upper
107	100		
109	92.3	72.9	109.3



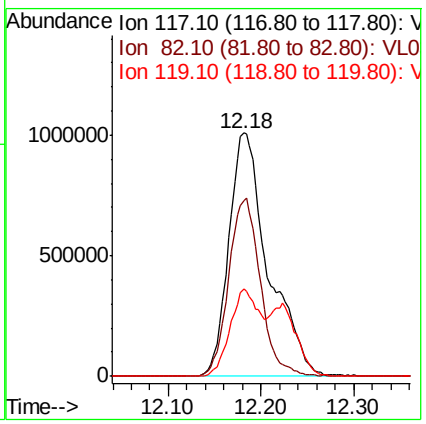


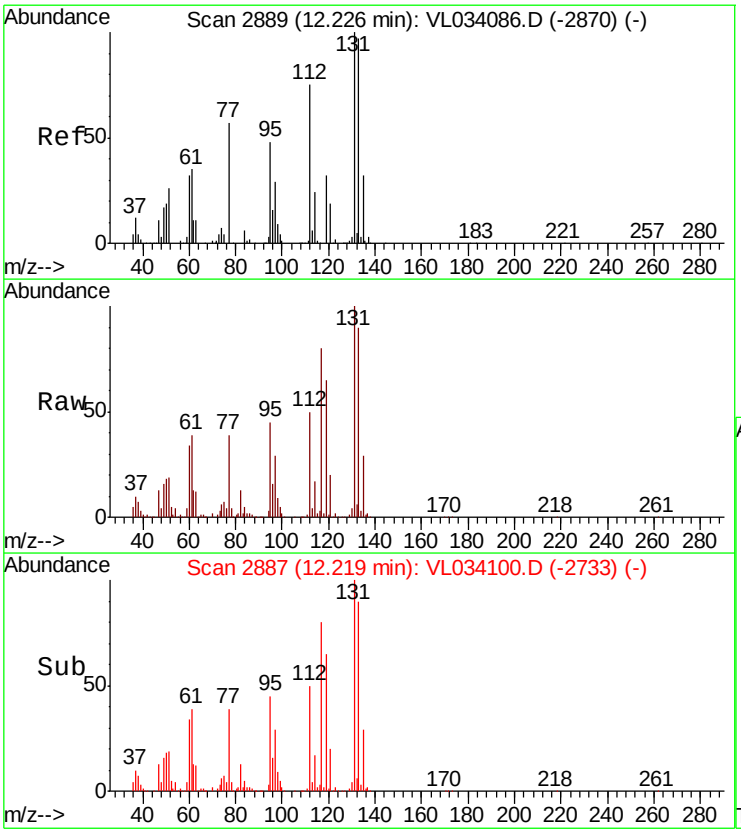
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.18 min Scan# 2875
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2990179

Ion	Ratio	Lower	Upper
117	100		
82	59.1	52.2	78.4
119	47.5	44.8	67.2

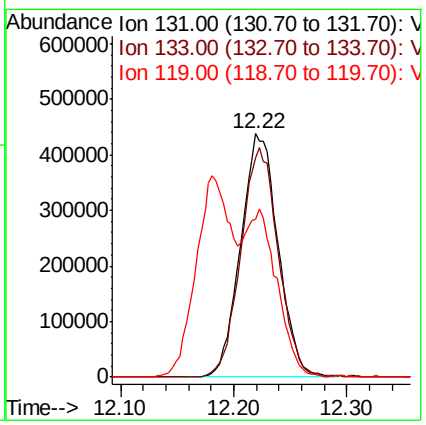


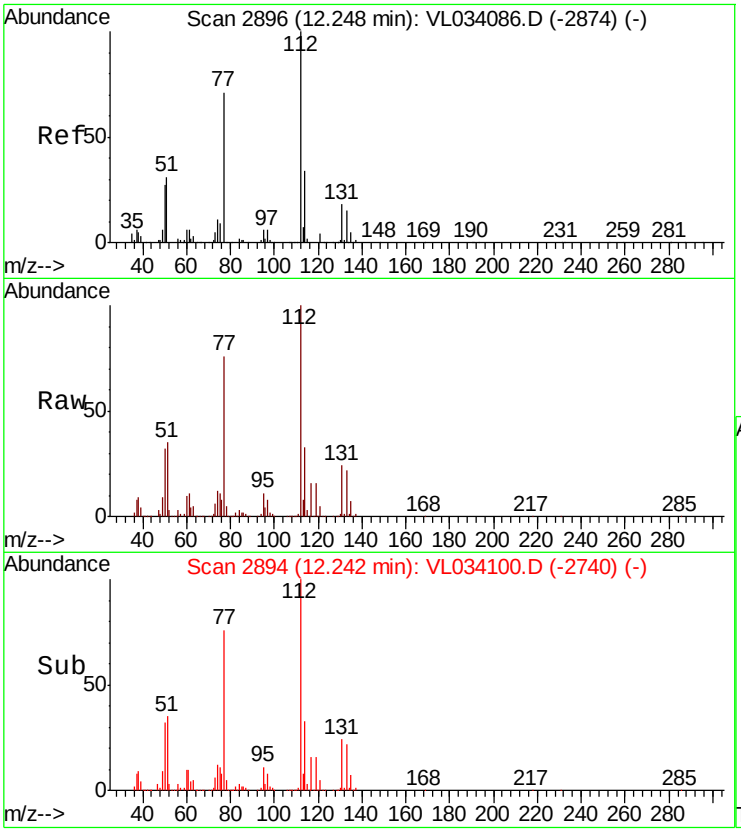


#56
1,1,1,2-Tetrachloroethane
Concen: 7.362 ppbv
RT: 12.22 min Scan# 2887
Delta R.T. -0.01 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:131 Resp: 1006449

Ion	Ratio	Lower	Upper
131	100		
133	94.6	76.5	114.7
119	57.0	114.7	172.1#



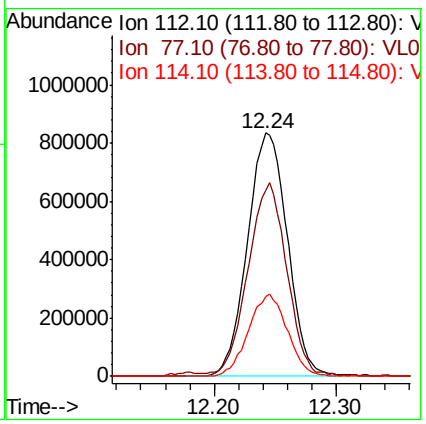


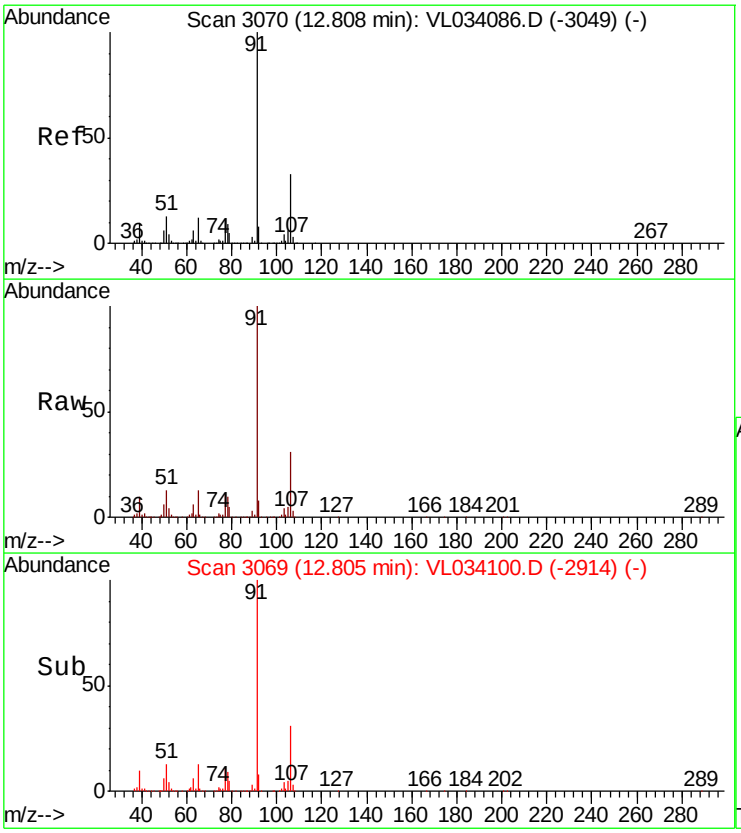
#57
Chlorobenzene
Concen: 7.018 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:112 Resp: 1889721

Ion	Ratio	Lower	Upper
112	100		
77	75.7	57.8	86.6
114	32.7	30.3	37.1

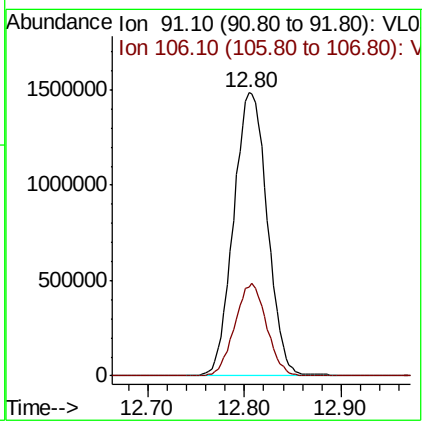


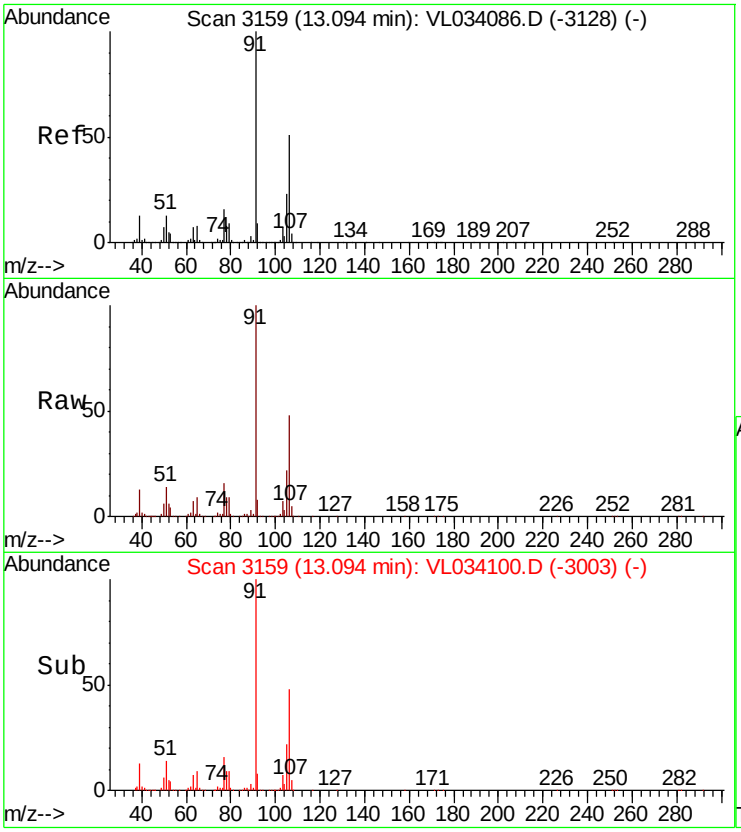


#58
Ethyl Benzene
Concen: 7.173 ppbv
RT: 12.80 min Scan# 3069
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 91 Resp: 3606714

Ion	Ratio	Lower	Upper
91	100		
106	31.3	26.0	39.0



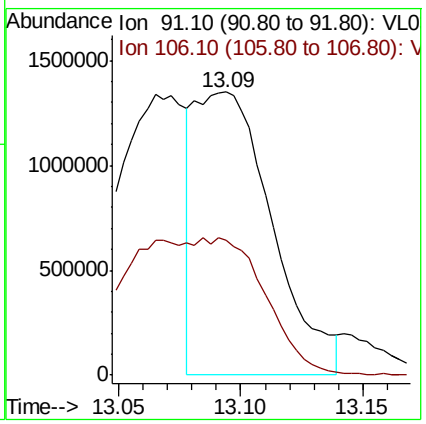


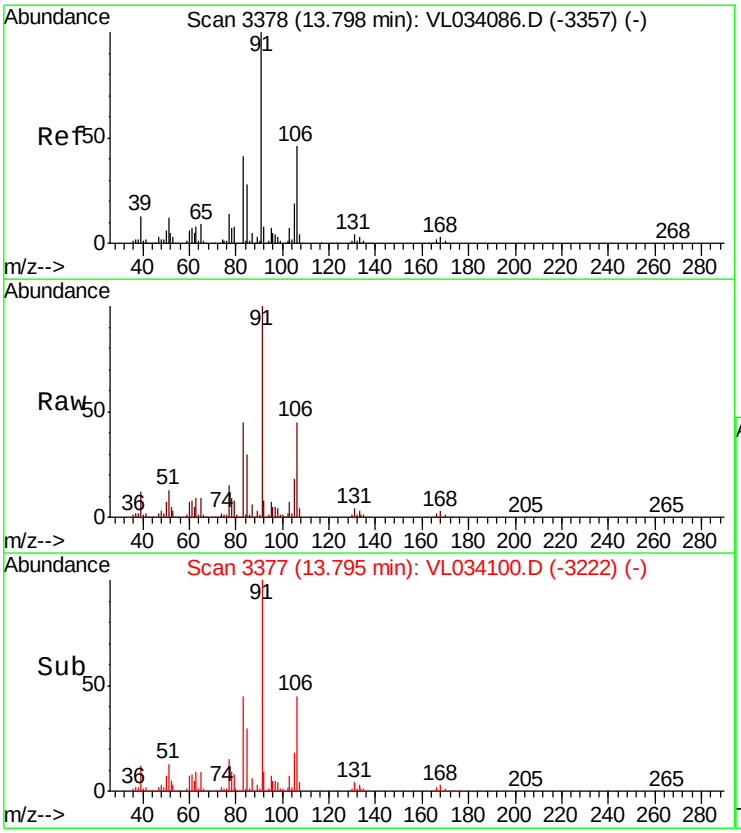
#59
m/p-Xylene
Concen: 7.297 ppbv
RT: 13.09 min Scan# 3159
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2945248

Ion	Ratio	Lower	Upper
91	100		
106	90.1	38.7	58.1#

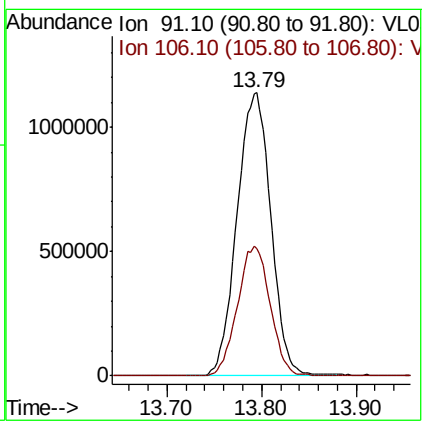


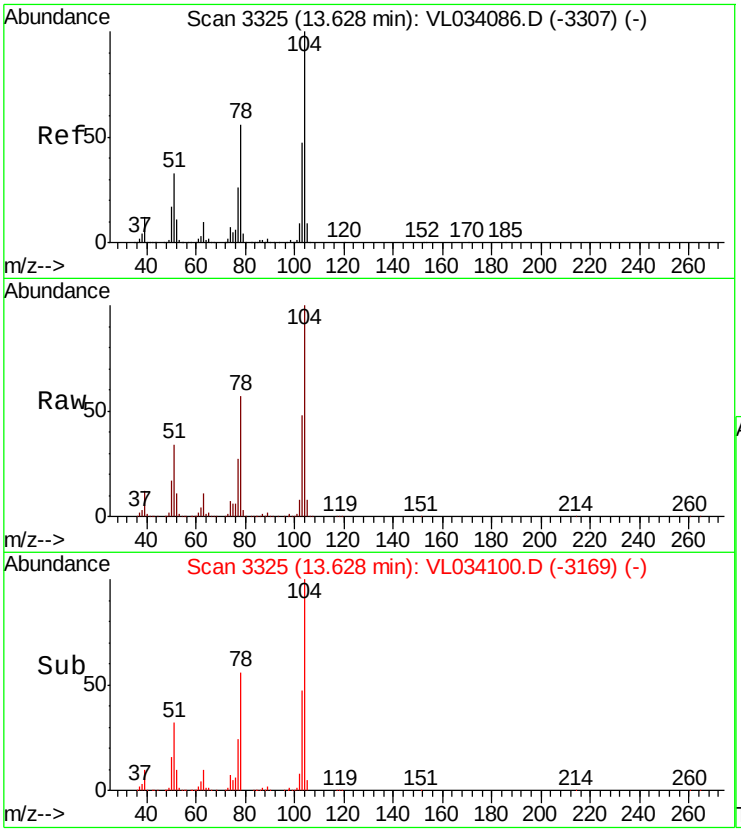


#60
o-Xylene
Concen: 7.023 ppbv
RT: 13.79 min Scan# 3377
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 91 Resp: 2832515

Ion	Ratio	Lower	Upper
91	100		
106	44.6	22.6	67.7



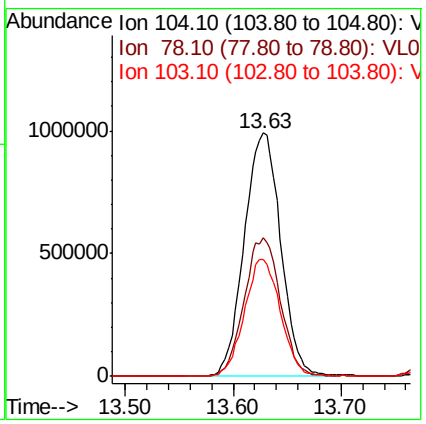


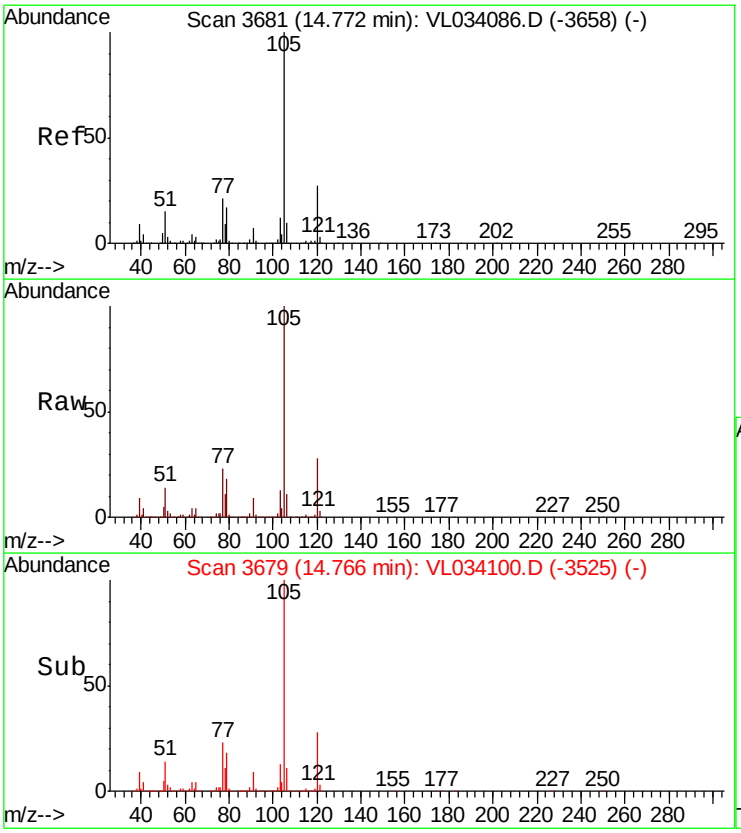
#61
Styrene
Concen: 7.282 ppbv
RT: 13.63 min Scan# 3325
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 2331101

Ion	Ratio	Lower	Upper
104	100		
78	56.7	44.2	66.4
103	47.6	38.3	57.5

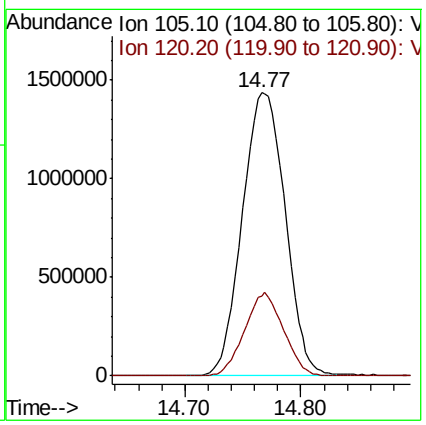


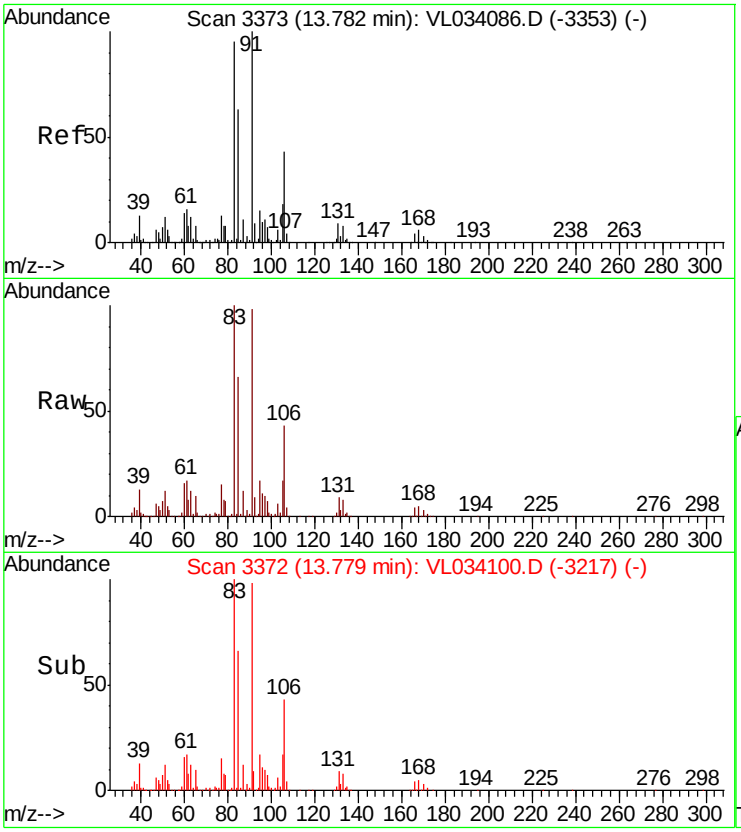


#62
Isopropylbenzene
Concen: 6.836 ppbv
RT: 14.77 min Scan# 3679
Delta R.T. -0.01 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:105 Resp: 3701079

Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.4	32.2



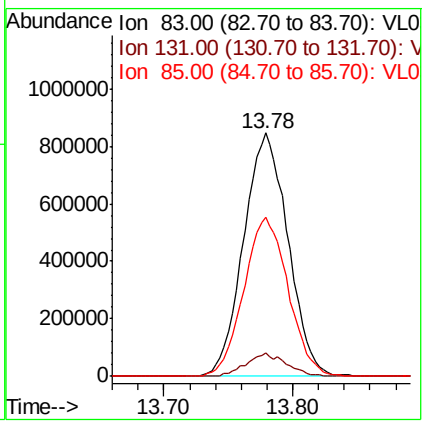


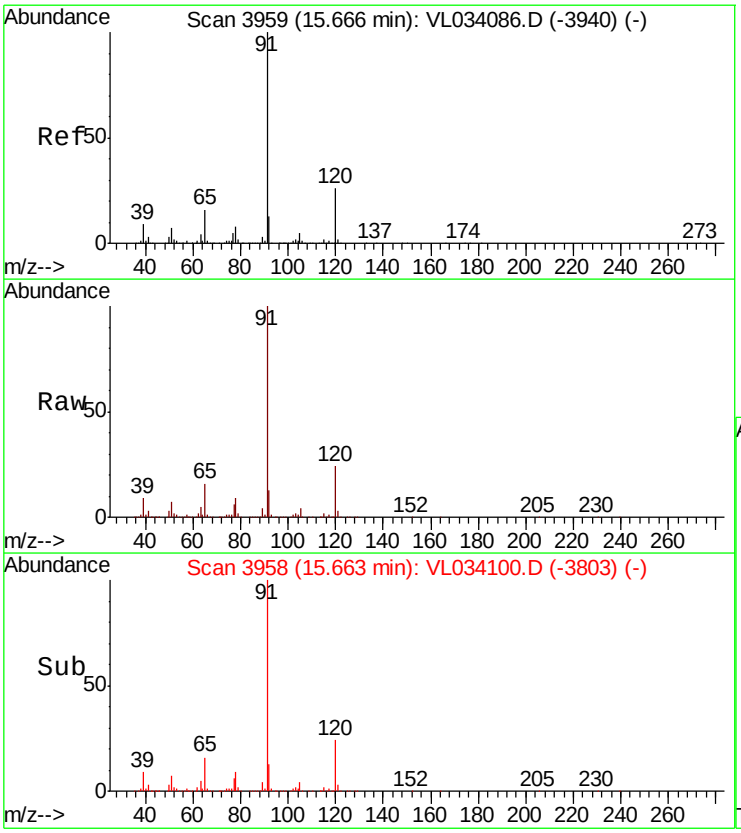
#63
1,1,2,2-Tetrachloroethane
Concen: 6.944 ppbv
RT: 13.78 min Scan# 3372
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 83 Resp: 2023181

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.6	13.8
85	65.5	32.6	97.8

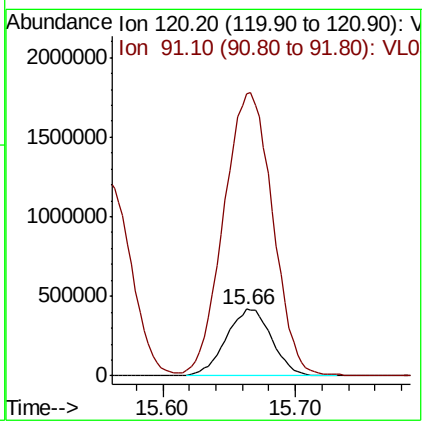


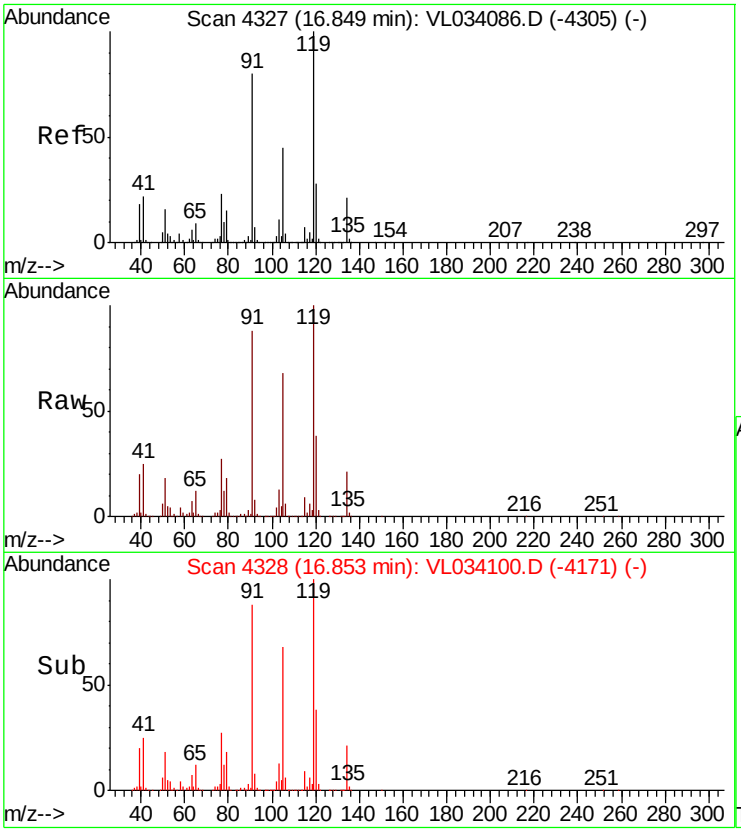


#64
n-propylbenzene
Concen: 6.882 ppbv
RT: 15.66 min Scan# 3958
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:120 Resp: 984722

Ion	Ratio	Lower	Upper
120	100		
91	464.9	359.7	539.5



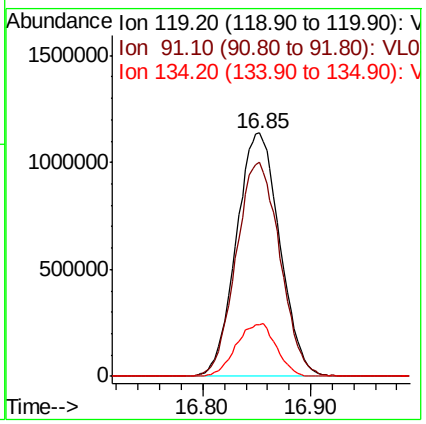


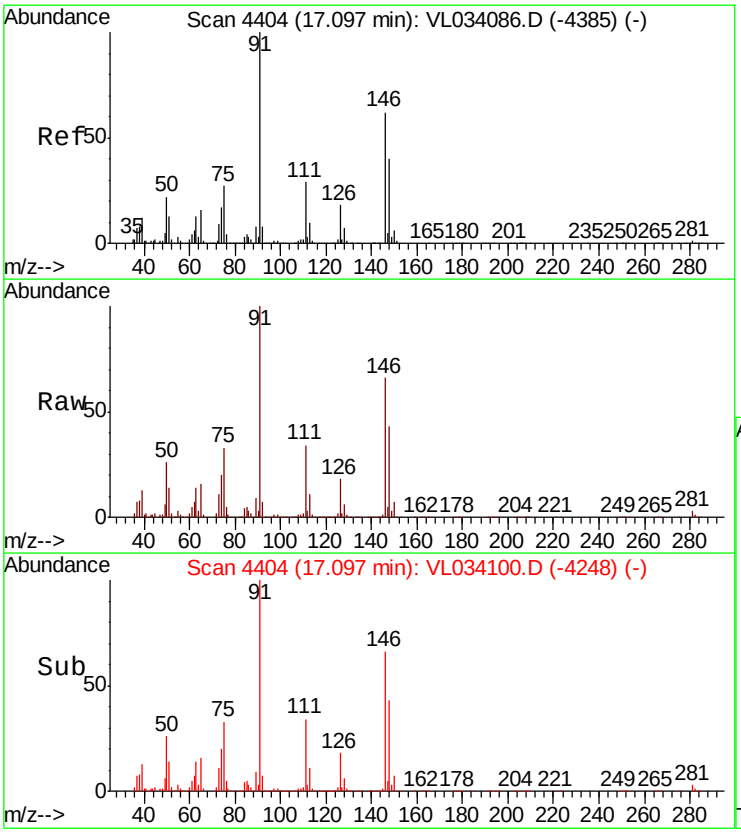
#65
tert-Butylbenzene
Concen: 6.605 ppbv
RT: 16.85 min Scan# 4328
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3185105

Ion	Ratio	Lower	Upper
119	100		
91	88.8	67.6	101.4
134	20.0	16.0	24.0

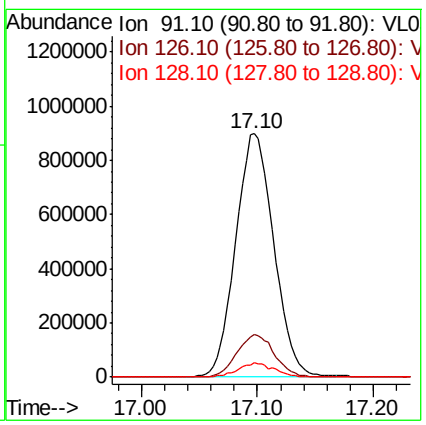


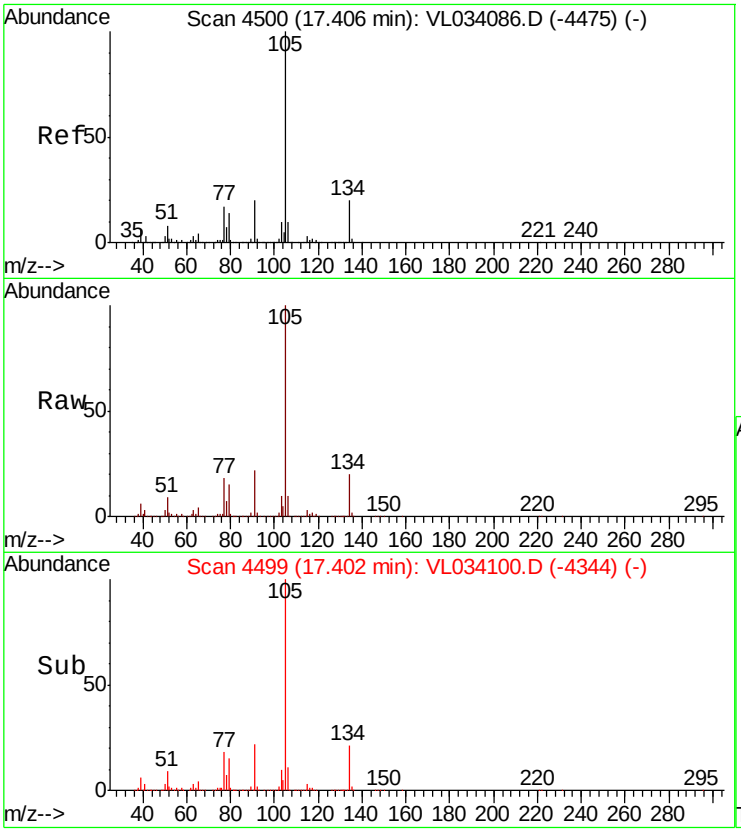


#66
Benzyl Chloride
Concen: 7.685 ppbv
RT: 17.10 min Scan# 4404
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 91 Resp: 2051553

Ion	Ratio	Lower	Upper
91	100		
126	17.2	14.8	22.2
128	5.6	4.8	7.2



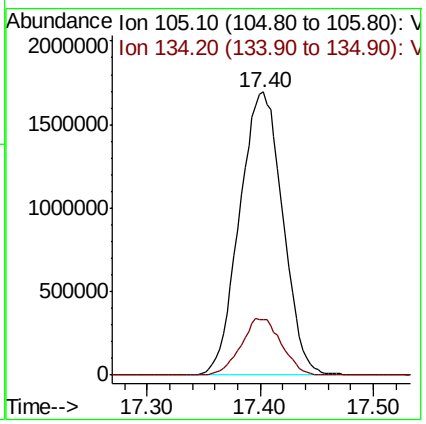


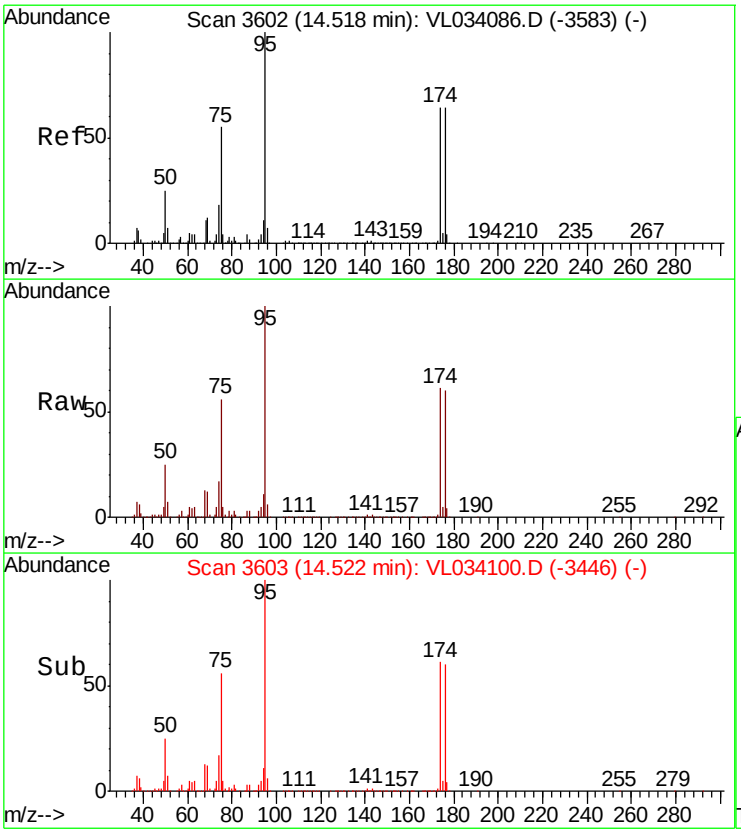
#67
sec-Butylbenzene
Concen: 6.592 ppbv
RT: 17.40 min Scan# 4499
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4486540

Ion	Ratio	Lower	Upper
105	100		
134	18.7	15.4	23.2

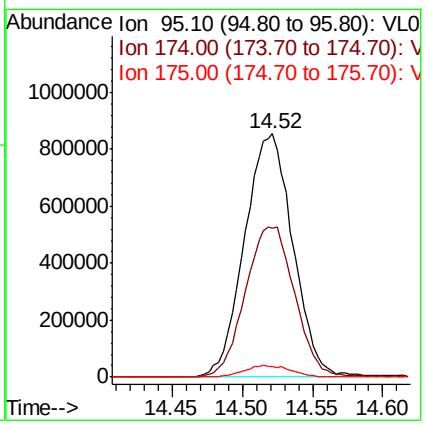


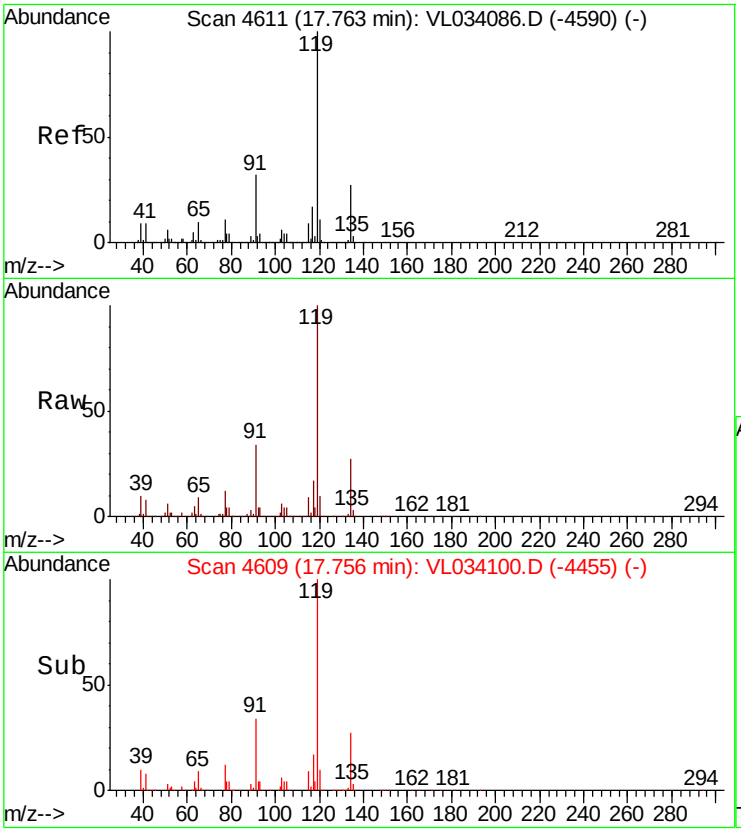


#68
1-Bromo-4-Fluorobenzene
Concen: 8.374 ppbv
RT: 14.52 min Scan# 3603
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 95 Resp: 2031584

Ion	Ratio	Lower	Upper
95	100		
174	64.0	53.0	79.6
175	4.7	4.2	6.2



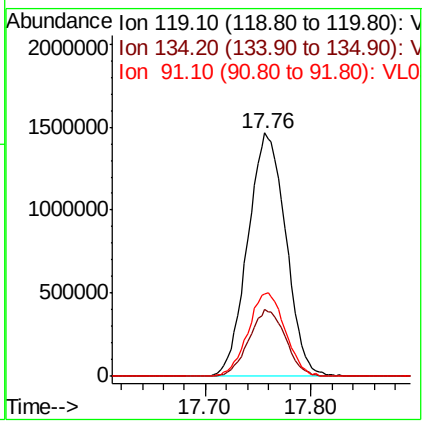


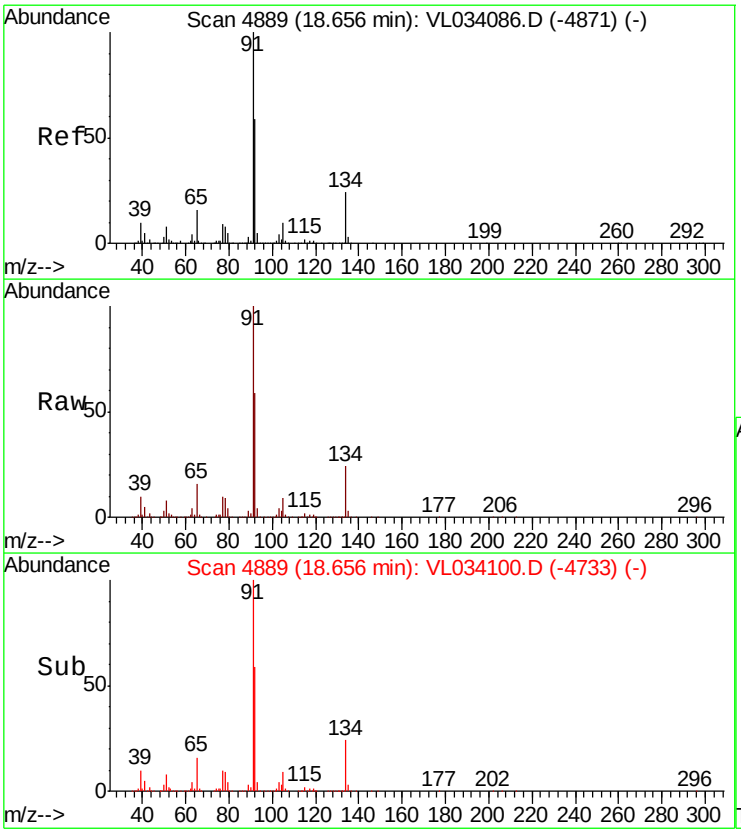
#69
p-Isopropyltoluene
Concen: 6.552 ppbv
RT: 17.76 min Scan# 4609
Delta R.T. -0.01 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3678314

Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.3	31.9
91	33.3	25.4	38.0

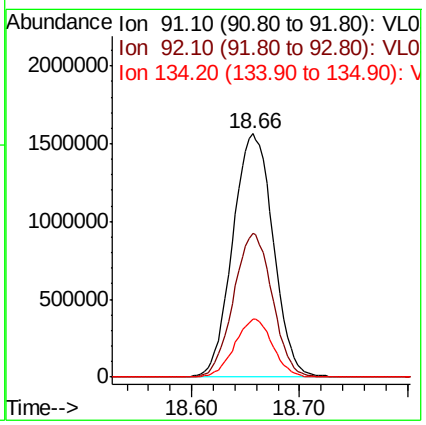


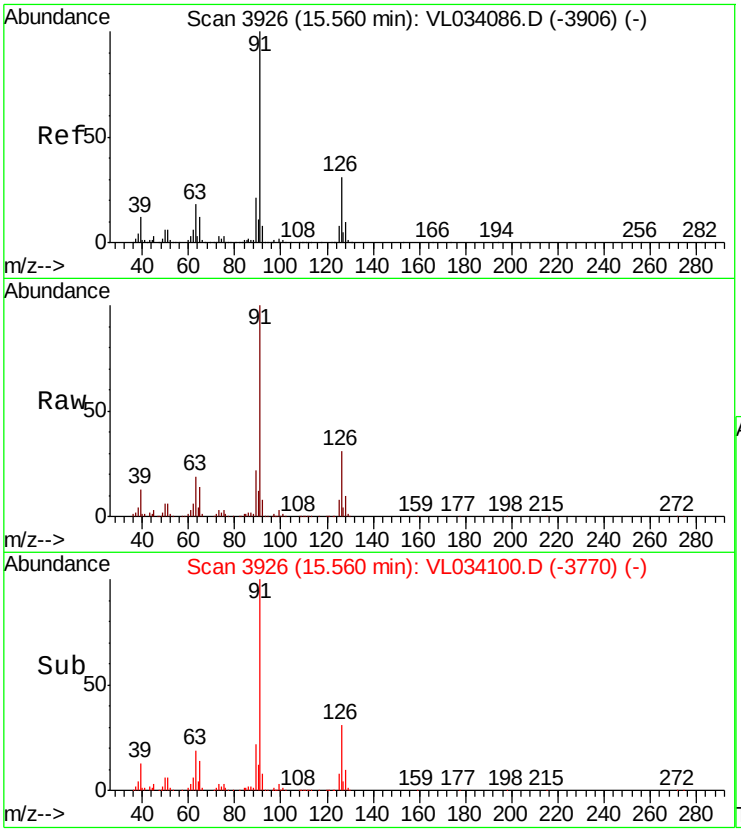


#70
n-Butylbenzene
Concen: 6.730 ppbv
RT: 18.66 min Scan# 4889
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 91 Resp: 4075301

Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.9	68.9
134	22.5	19.0	28.4



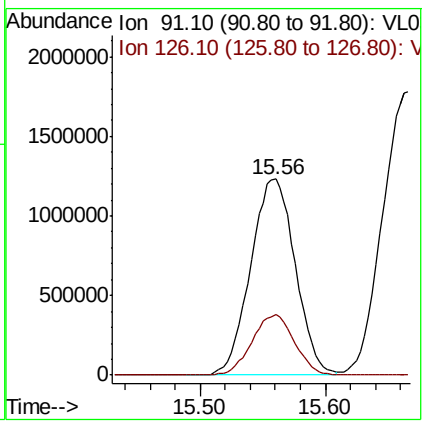


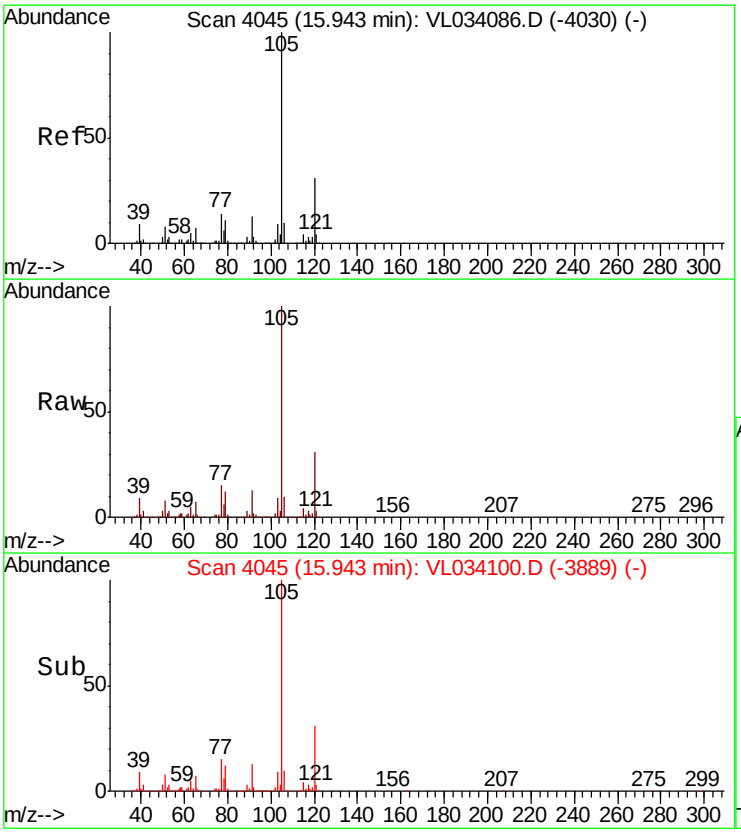
#71
2-Chlorotoluene
Concen: 6.997 ppbv
RT: 15.56 min Scan# 3926
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3046051

Ion	Ratio	Lower	Upper
91	100		
126	29.6	12.2	48.6

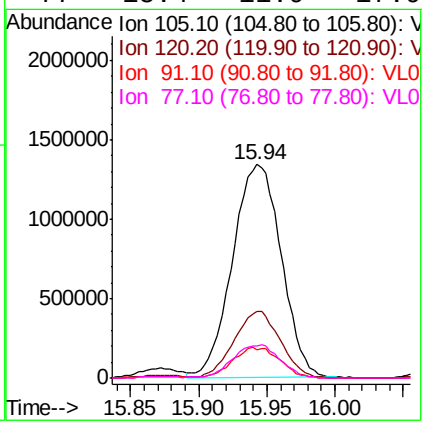


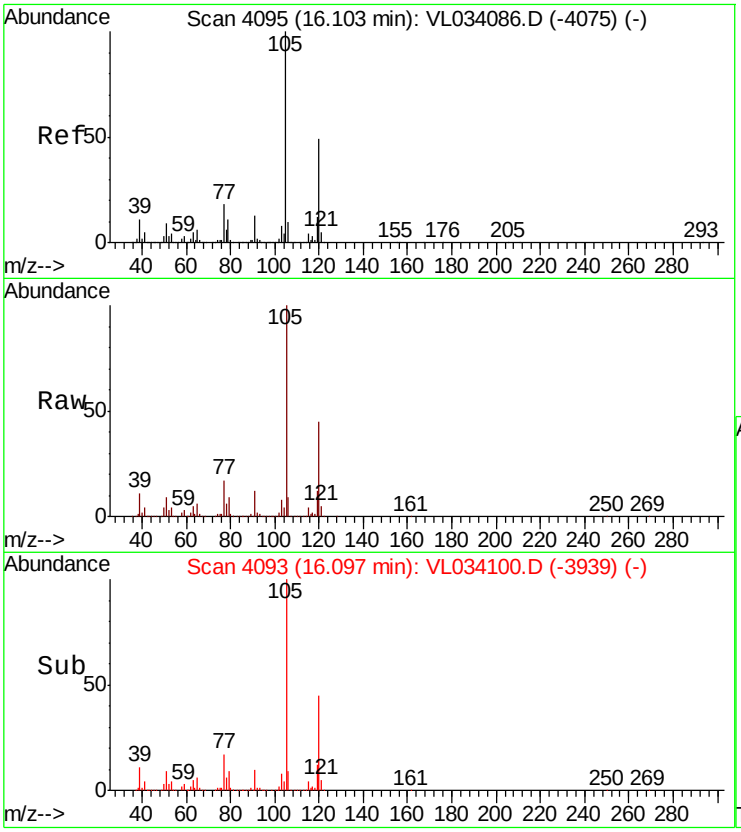


#72
4-Ethyltoluene
Concen: 7.004 ppbv
RT: 15.94 min Scan# 4045
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:105 Resp: 3324864

Ion	Ratio	Lower	Upper
105	100		
120	30.0	24.2	36.2
91	13.8	10.5	15.7
77	15.4	11.9	17.9



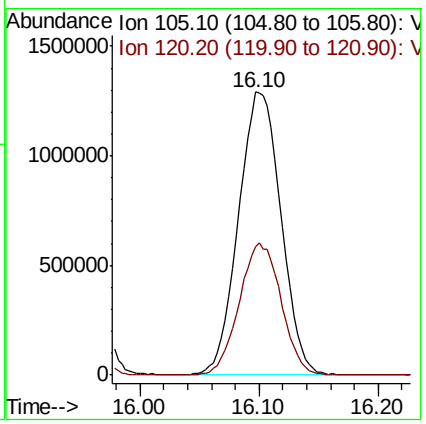


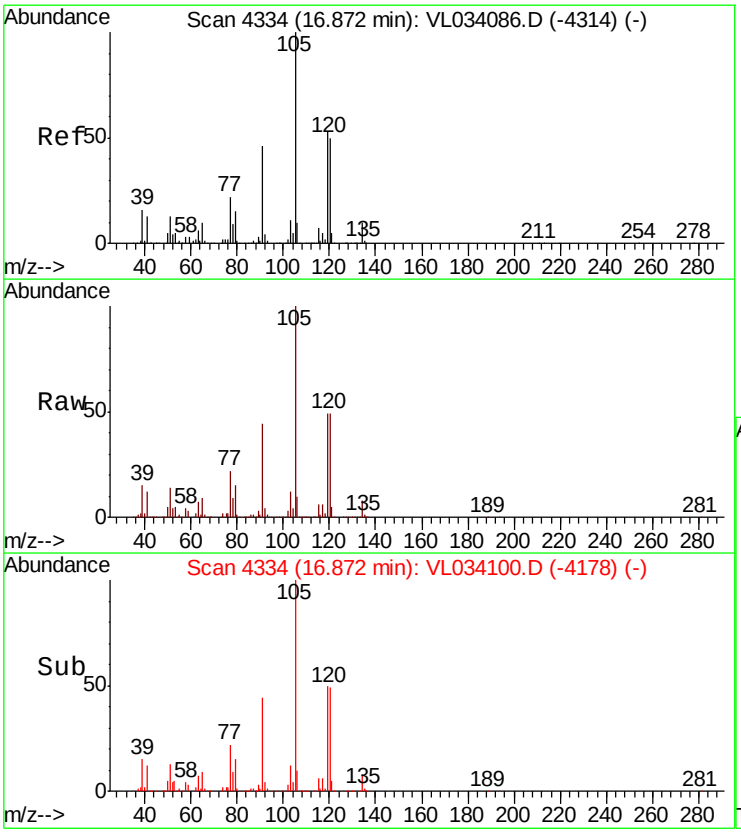
#73
1,3,5-Trimethylbenzene
Concen: 6.968 ppbv
RT: 16.10 min Scan# 4093
Delta R.T. -0.01 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3181981

Ion	Ratio	Lower	Upper
105	100		
120	45.5	39.0	58.4

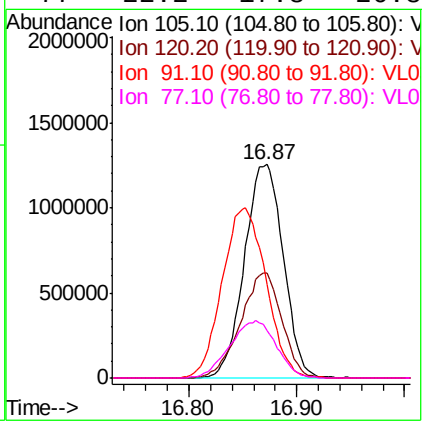


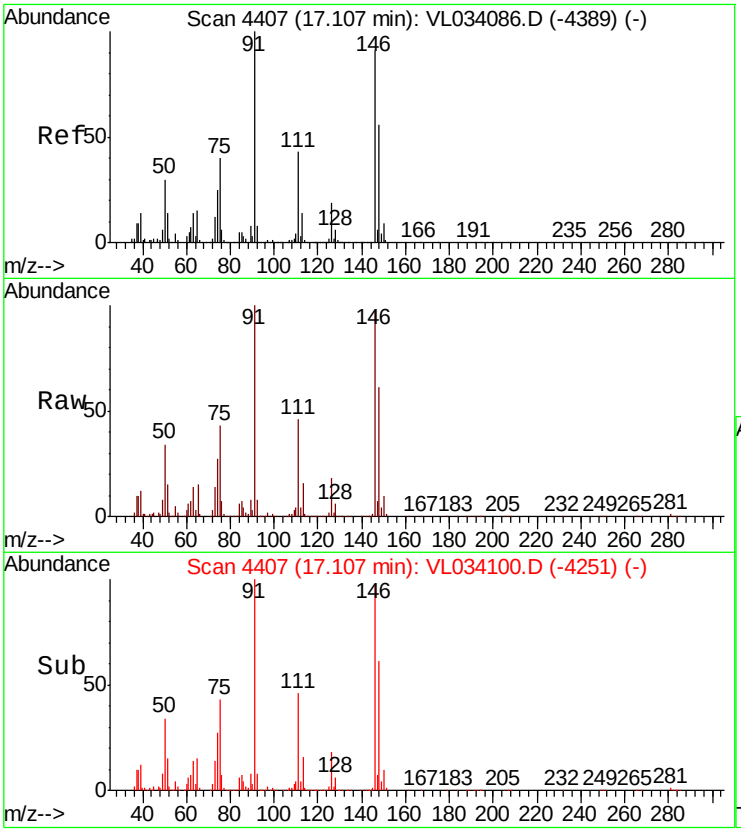


#74
1,2,4-Trimethylbenzene
Concen: 6.610 ppbv
RT: 16.87 min Scan# 4334
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:105 Resp: 3140377

Ion	Ratio	Lower	Upper
105	100		
120	48.8	40.2	60.4
91	43.7	38.1	57.1
77	22.2	17.8	26.8



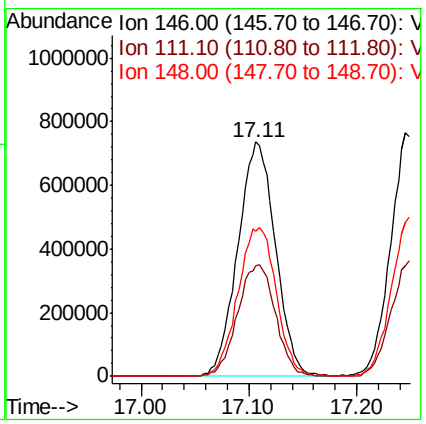


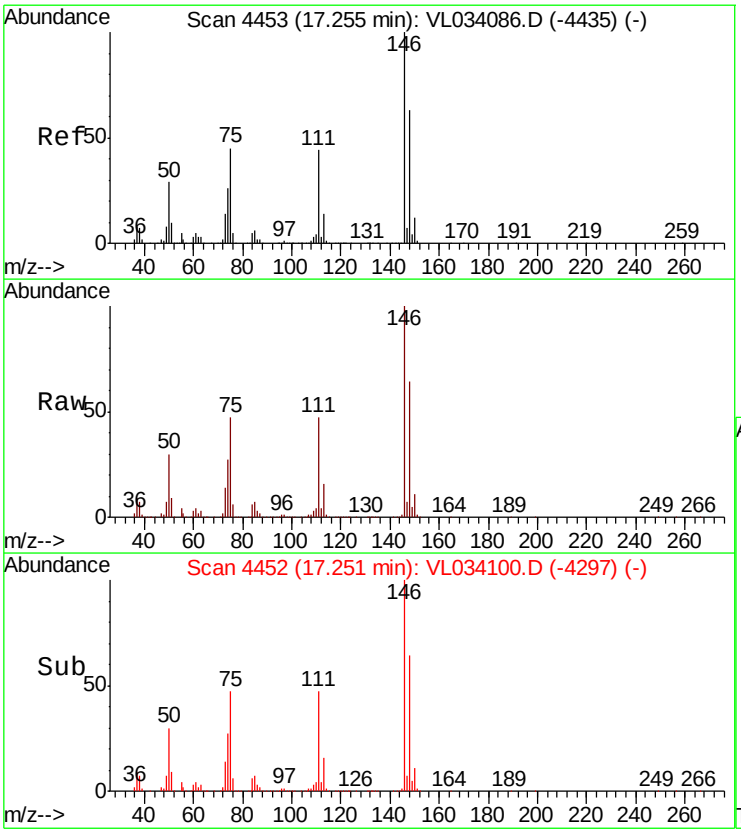
#75
1,3-Dichlorobenzene
Concen: 6.721 ppbv
RT: 17.11 min Scan# 4407
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1788389

Ion	Ratio	Lower	Upper
146	100		
111	48.0	23.8	71.5
148	64.8	32.4	97.2

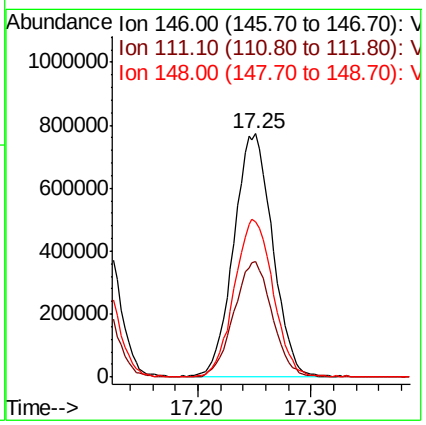


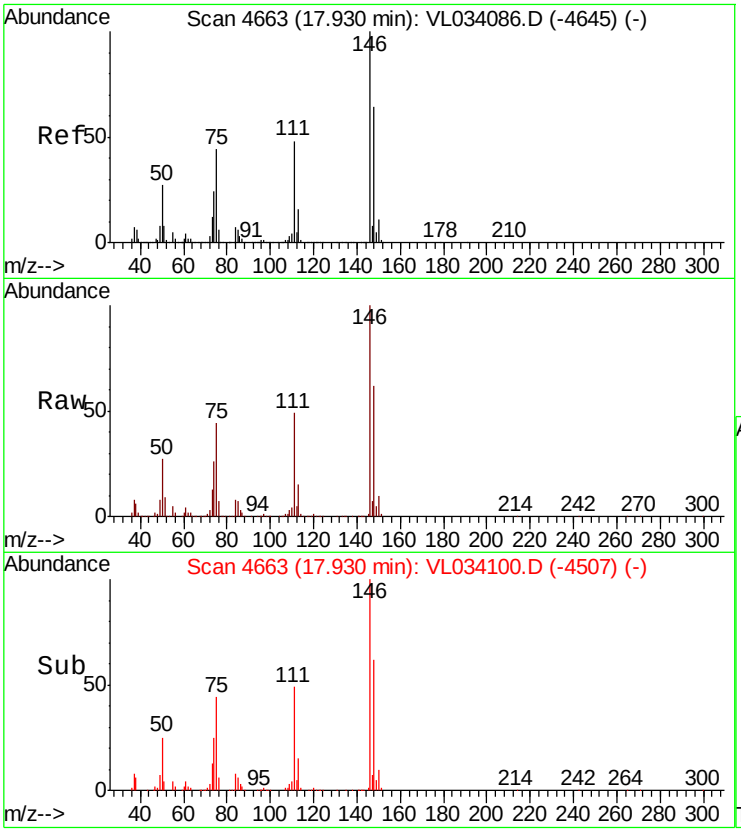


#76
1,4-Dichlorobenzene
Concen: 6.745 ppbv
RT: 17.25 min Scan# 4452
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:146 Resp: 1833790

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.2	69.5
148	65.4	32.1	96.5



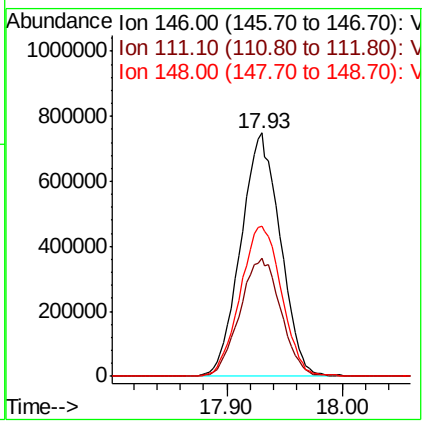


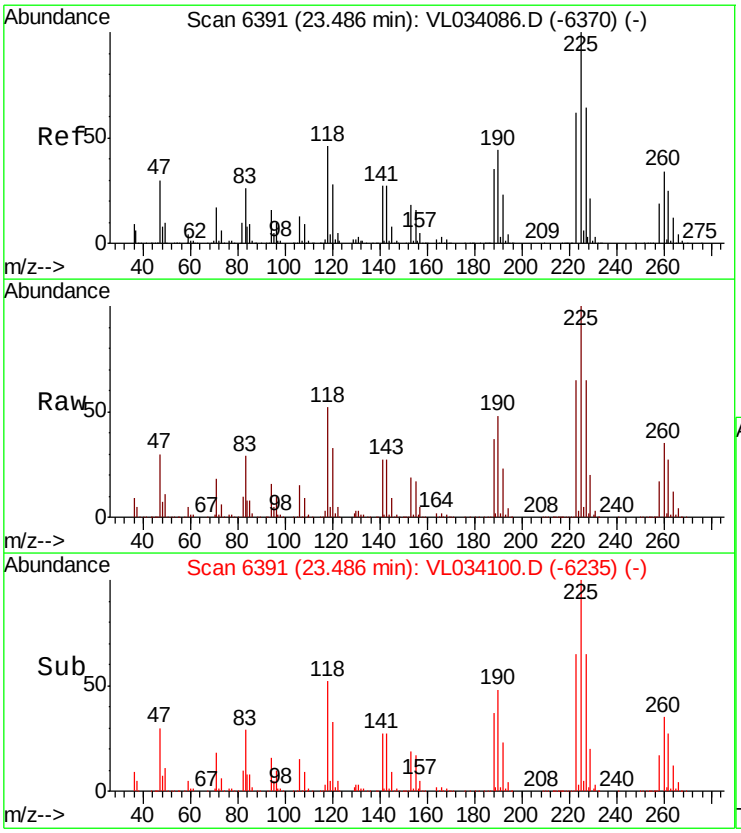
#77
1,2-Dichlorobenzene
Concen: 6.752 ppbv
RT: 17.93 min Scan# 4663
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1771139

Ion	Ratio	Lower	Upper
146	100		
111	50.3	24.0	72.0
148	64.8	31.9	95.7

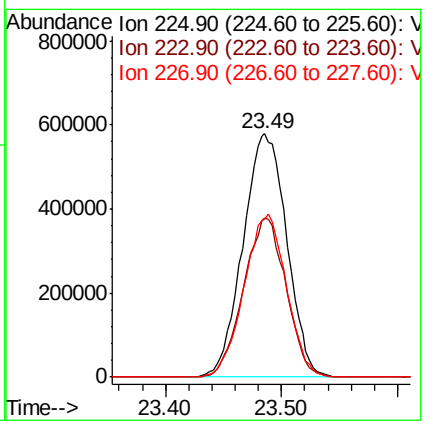


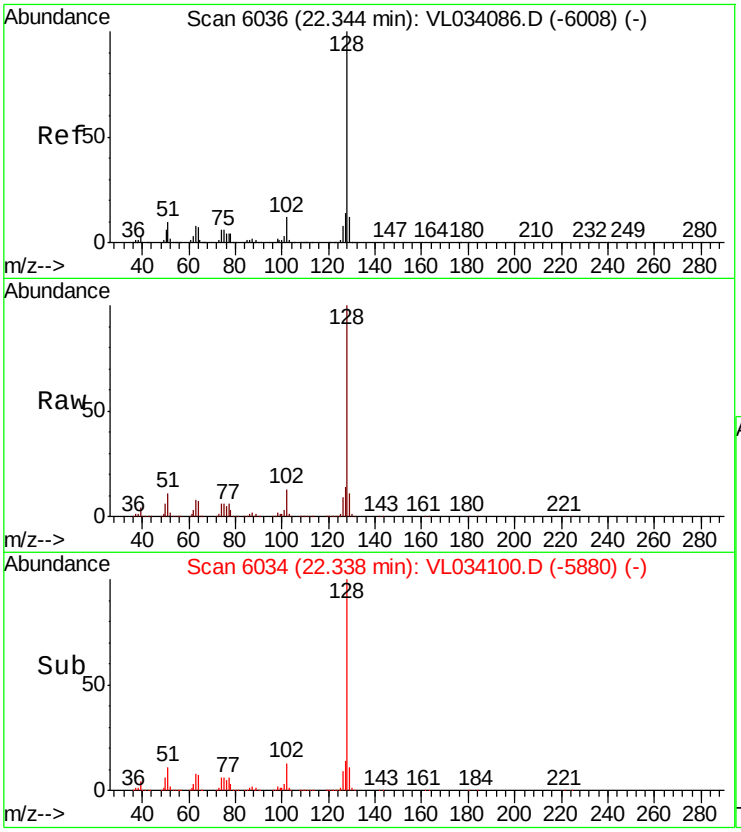


#78
Hexachloro-1,3-Butadiene
Concen: 7.285 ppbv
RT: 23.49 min Scan# 6391
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:225 Resp: 1514912

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.8	76.2
227	64.7	52.2	78.2



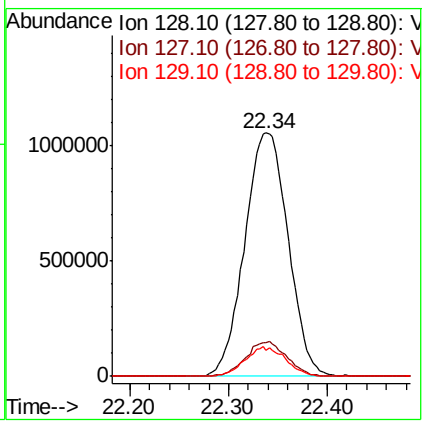


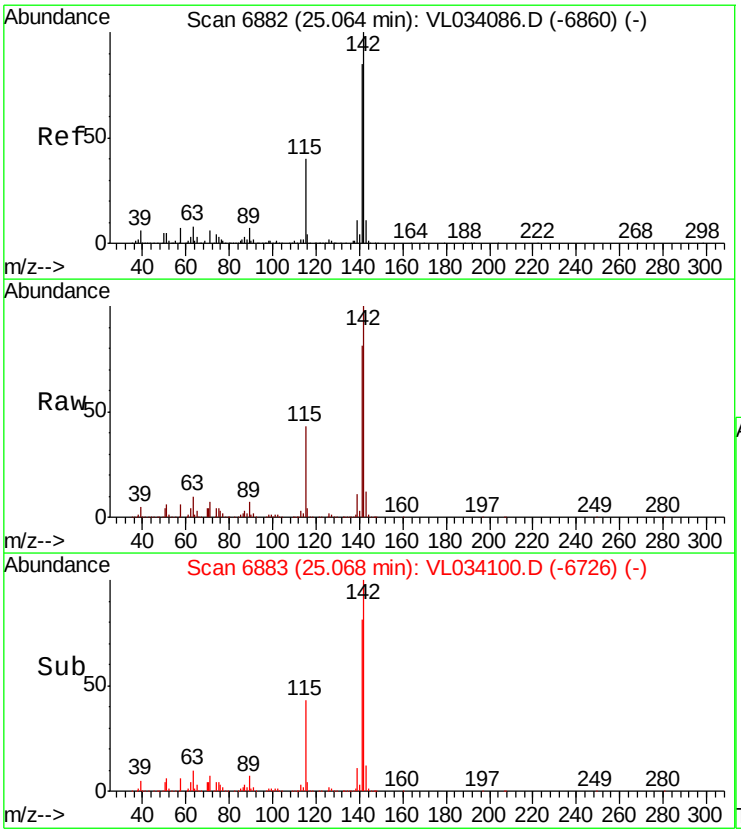
#79
Naphthalene
Concen: 6.512 ppbv
RT: 22.34 min Scan# 6034
Delta R.T. -0.01 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 3212869

Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.6
129	10.9	9.2	13.8

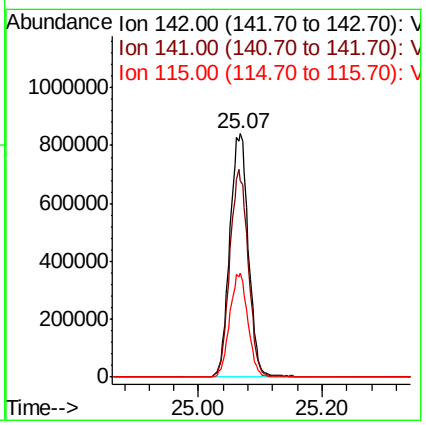


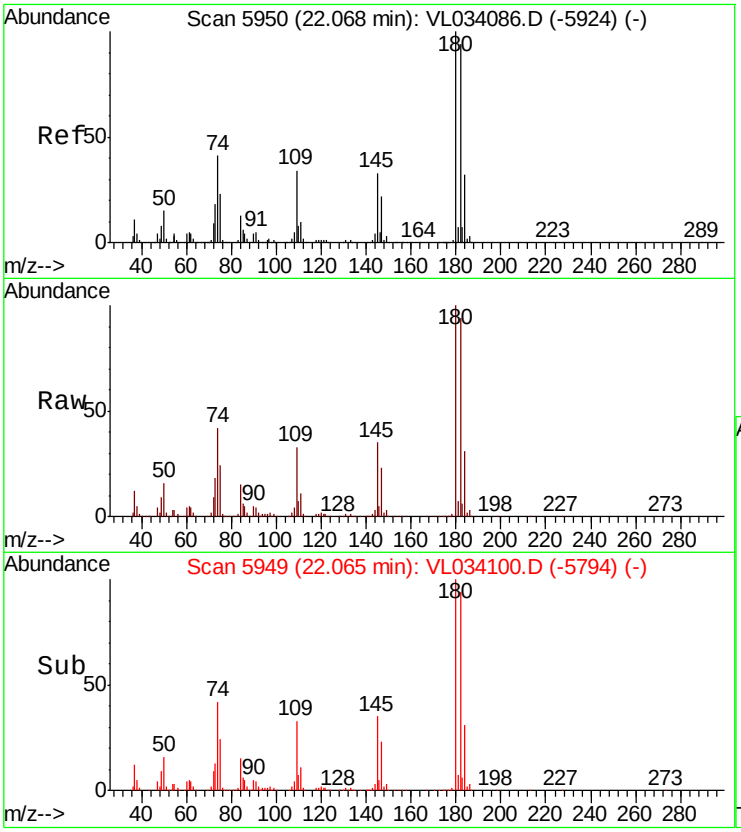


#80
Naphthalene,2-methyl-
Concen: 11.383 ppbv
RT: 25.07 min Scan# 6883
Delta R.T. 0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Tgt Ion:142 Resp: 1761333

Ion	Ratio	Lower	Upper
142	100		
141	84.0	66.1	99.1
115	41.5	30.8	46.2





#81
1,2,4-Trichlorobenzene
Concen: 6.354 ppbv
RT: 22.06 min Scan# 5949
Delta R.T. -0.00 min
Lab File: VL034100.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1740250

Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.7	115.1
184	31.3	25.0	37.4