Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030920\

Quantitation Report (Not Reviewed)

Data File : VL034843.D
Acq On : 9 Mar 2020 13:36
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Mar 09 15:37:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 15:34:13 2020
QLast Update : Mon Mar 09 15:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	936051	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2141657	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2158837	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1688527	9.38	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	164606	1.078	ppbv	100
3) Chlorodifluoromethane	2.95	51	105850	0.993	ppbv	98
4) Chloromethane	3.10	50	62304	1.085	ppbv	95
5) Vinyl Chloride	3.22	62	60247	0.993	ppbv	94
6) Bromomethane	3.44	94	34076	1.029	ppbv	97
7) Chloroethane	3.52	64	21550	1.027	ppbv	90
8) Dichlorotetrafluoroethane	3.15	85	145062	1.093	ppbv	99
9) Propene	2.97	41	50111	1.194	ppbv	97
10) Heptane	8.13	43	127869	1.199	ppbv	97
11) Trichlorofluoromethane	3.92	101	146232	1.070	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	100022	1.061	ppbv	100
13) Ethanol	3.58	45	17596	1.223	ppbv	98
14) Bromoethene	3.71	108	43496	1.124	ppbv	93
15) Acetone	3.83	43	130876	1.168	ppbv	94
16) 1,3-Butadiene	3.29	39	53262	1.050	ppbv	95
17) tert-Butyl alcohol	4.27	59	125890	1.424	ppbv	100
18) 1,1-Dichloroethene	4.26	96	44538	1.071	ppbv	98
19) Isopropyl Alcohol	3.94	45	81619	1.215	ppbv #	40
20) Methylene Chloride	4.32	84	41369	1.034	ppbv	87
21) Allyl Chloride	4.38	41	79398	1.119	ppbv	96
22) trans-1,2-Dichloroethene	4.86	96	45598	1.123	ppbv	90
23) Vinyl Acetate	5.06	43	185593	1.235	ppbv #	96
24) 1,1-Dichloroethane	4.99	63	127044	1.089	ppbv	99
25) Ethyl Acetate	5.67	43	232351	1.200	ppbv	99
26) Hexane	5.67	57	70245	0.830	ppbv #	47
27) Carbon Disulfide	4.53	76	104801	1.060	ppbv #	85
28) Methyl tert-Butyl Ether	5.02	73	165805	1.316	ppbv	99
29) Chloroform	5.74	83	151755	1.065	ppbv	92
30) Cyclohexane	7.13	84	79575	1.229	ppbv	96
31) cis-1,2-Dichloroethene	5.53	61	98151	1.131	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	146296	1.039	ppbv	98
34) 2-Butanone	5.23	43	150516	1.080	ppbv	98
35) Carbon Tetrachloride	7.02	117	143314	0.887	ppbv	93
36) Benzene	6.89	78	201939	1.103	ppbv	97
37) 1,2-Dichloroethane	6.30	62	115728	0.926	ppbv	99
38) Trichloroethene	7.84	130	77441	1.086	ppbv	94
39) 1,2-Dichloropropane	7.61	63	80134	1.085	ppbv	88
40) 1,4-Dioxane	7.85	88	11156	0.437	ppbv #	1
41) Tetrahydrofuran	6.05	42	82383	1.159	ppbv	98
42) Bromodichloromethane	7.79	83	152631	0.965	ppbv	98
43) Methyl Methacrylate	8.02	69	80139	1.033	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030920\

Quantitation Report (Not Reviewed)

Data File : VL034843.D
Acq On : 9 Mar 2020 13:36
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Mar 09 15:37:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 15:34:13 2020
QLast Update : Mon Mar 09 15:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	344603	1.078	ppbv		99
45) t-1,3-Dichloropropene	9.29	75	93110	1.144	ppbv		93
46) cis-1,3-Dichloropropene	8.71	75	113556	1.142	ppbv		90
47) 1,1,2-Trichloroethane	9.48	97	48917	0.627	ppbv		94
48) Dibromochloromethane	10.32	129	127690	1.047	ppbv		98
49) Bromoform	13.06	173	110229	1.036	ppbv		98
50) 4-Methyl-2-Pentanone	8.76	43	215499	1.079	ppbv		100
51) 2-Hexanone	10.16	43	167640	1.070	ppbv	#	96
52) Tetrachloroethene	11.24	164	75119	1.111	ppbv		96
53) Toluene	9.82	91	231340	1.194	ppbv		99
54) 1,2-Dibromoethane	10.63	107	122240	1.060	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.15	131	55314	0.578	ppbv	#	14
57) Chlorobenzene	12.17	112	185460	1.125	ppbv		93
58) Ethyl Benzene	12.73	91	309899	1.165	ppbv		96
59) m/p-Xylene	13.02	91	168700	0.733	ppbv	#	1
60) o-Xylene	13.72	91	134307	0.576	ppbv	#	40
61) Styrene	13.55	104	169696	1.174	ppbv		95
62) Isopropylbenzene	14.69	105	400163	1.167	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.70	83	178029	0.969	ppbv		98
64) n-propylbenzene	15.59	120	50840	0.591	ppbv	#	1
65) tert-Butylbenzene	16.78	119	349883	1.207	ppbv		98
66) Benzyl Chloride	17.03	91	53323	0.569	ppbv	#	57
67) sec-Butylbenzene	17.33	105	484358	1.147	ppbv		97
69) p-Isopropyltoluene	17.69	119	399981	1.170	ppbv		98
70) n-Butylbenzene	18.59	91	403150	1.079	ppbv		99
71) 2-Chlorotoluene	15.48	91	298443	1.152	ppbv		98
72) 4-Ethyltoluene	15.87	105	298408	1.150	ppbv		99
73) 1,3,5-Trimethylbenzene	16.03	105	281319	1.130	ppbv		91
74) 1,2,4-Trimethylbenzene	16.79	105	294473	1.089	ppbv	#	80
75) 1,3-Dichlorobenzene	17.04	146	81268	0.507	ppbv	#	5
76) 1,4-Dichlorobenzene	17.18	146	89206	0.582	ppbv	#	22
77) 1,2-Dichlorobenzene	17.85	146	168560	1.100	ppbv		95
78) Hexachloro-1,3-Butadiene	23.42	225	140920	1.102	ppbv		99
79) Naphthalene	22.26	128	184743	0.909	ppbv	#	92
80) Naphthalene,2-methyl-	25.03	142	15063	0.310	ppbv		95
81) 1,2,4-Trichlorobenzene	21.99	180	125732	0.978	ppbv		95

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

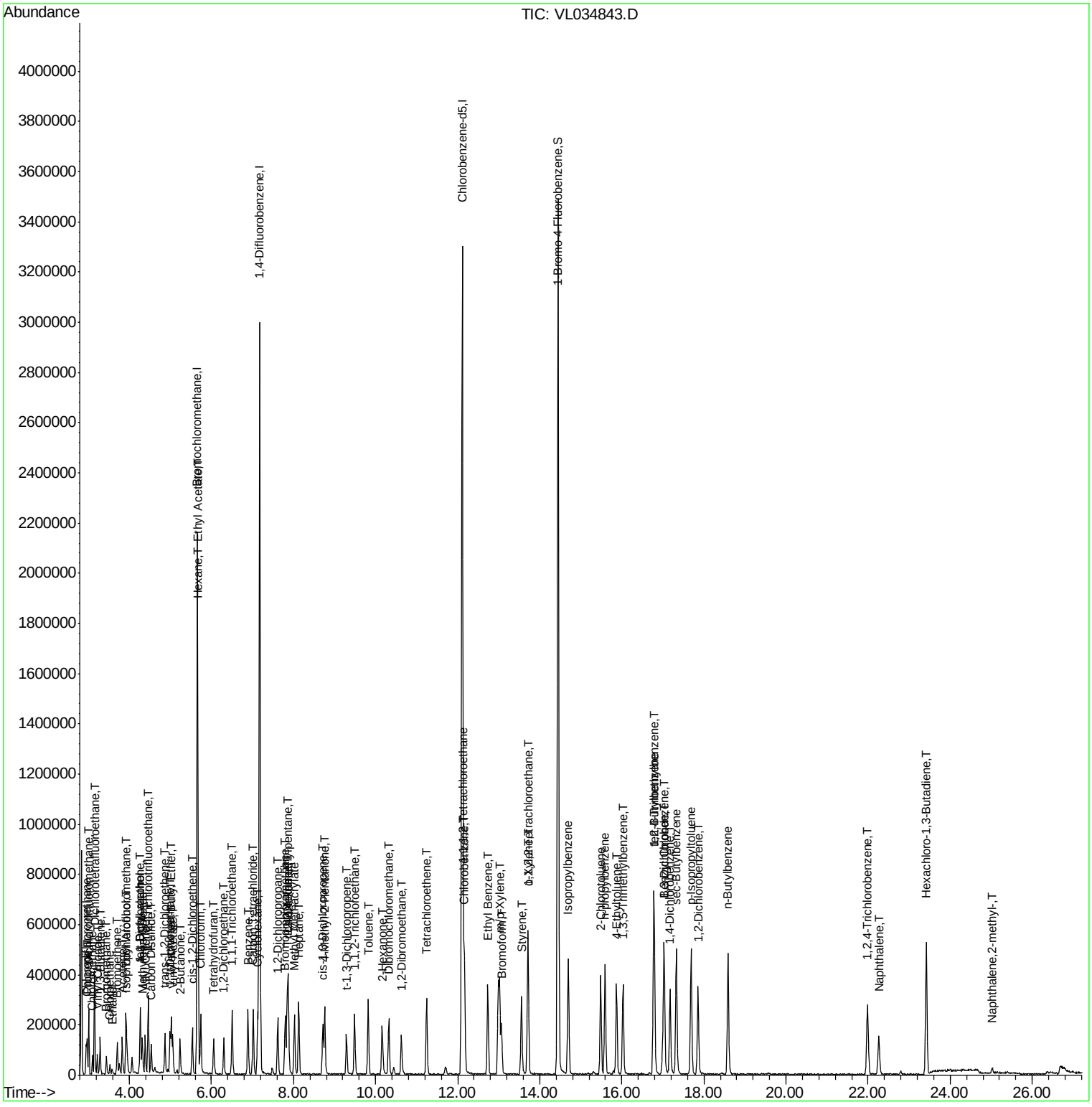
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030920\

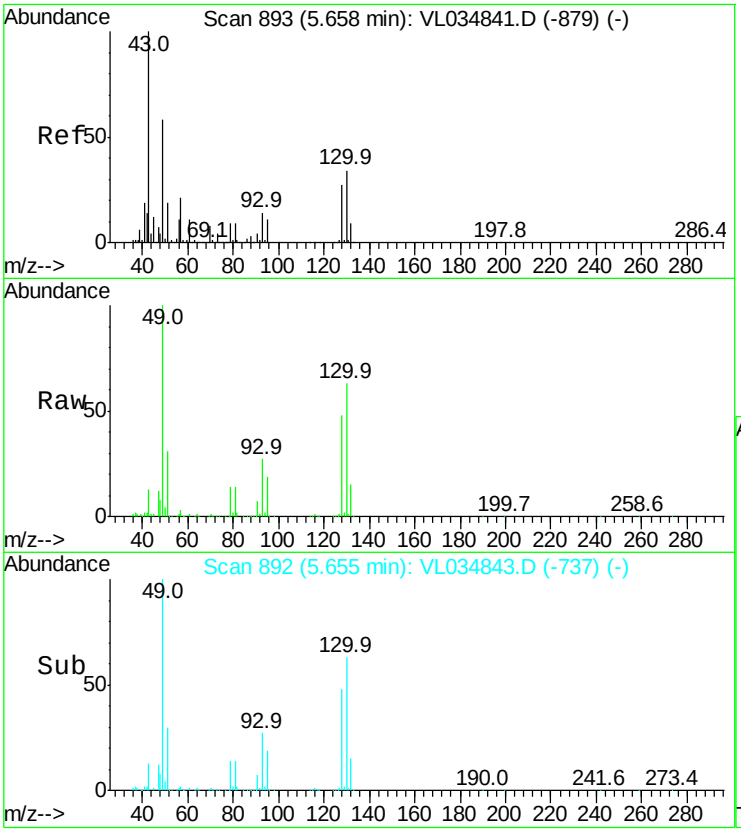
Quantitation Report (Not Reviewed)

Data File : VL034843.D
Acq On : 9 Mar 2020 13:36
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Mar 09 15:37:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 15:34:13 2020
QLast Update : Mon Mar 09 15:34:13 2020
Response via : Initial Calibration



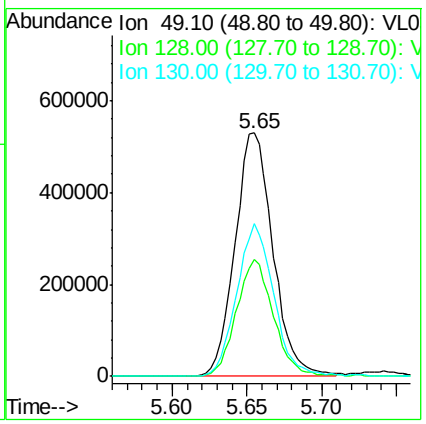


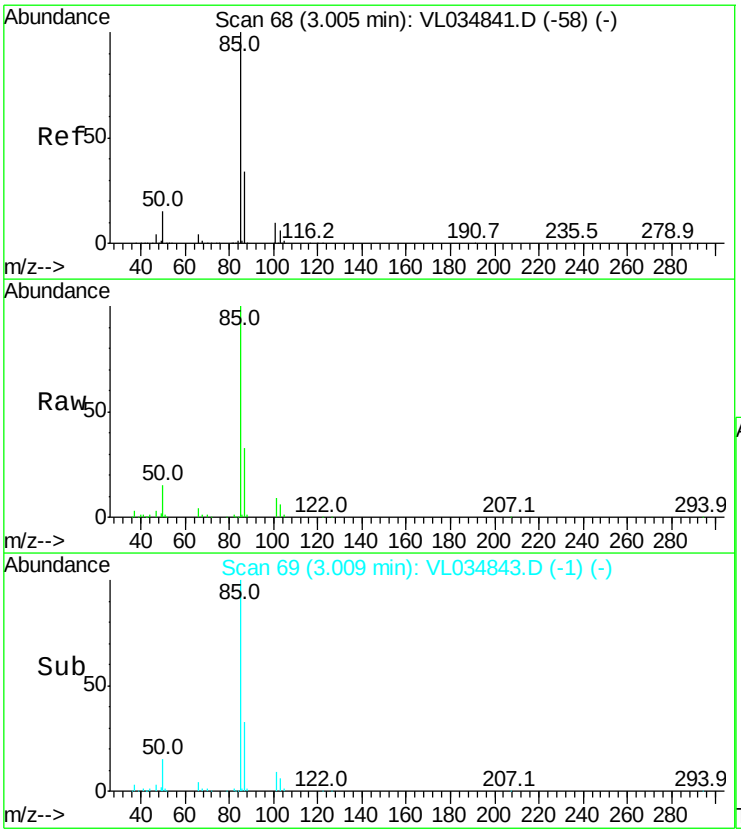
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 936051

Ion	Ratio	Lower	Upper
49	100		
128	47.1	23.4	70.3
130	61.8	30.0	90.0

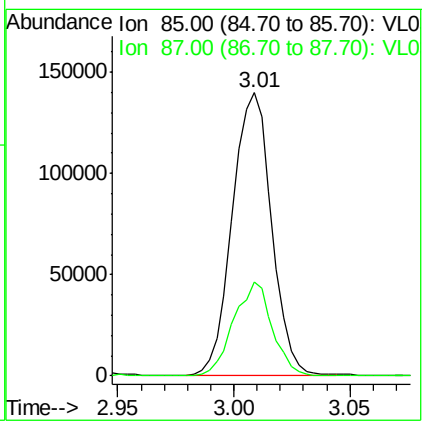


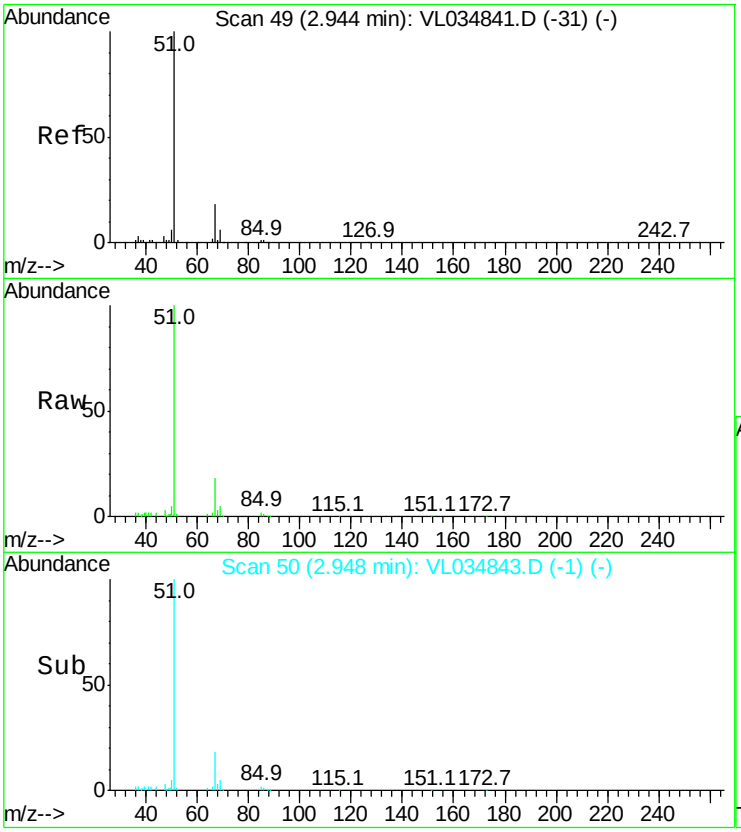


#2
Dichlorodifluoromethane
Concen: 1.078 ppbv
RT: 3.01 min Scan# 69
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 85 Resp: 164606

Ion	Ratio	Lower	Upper
85	100		
87	33.3	26.9	40.3



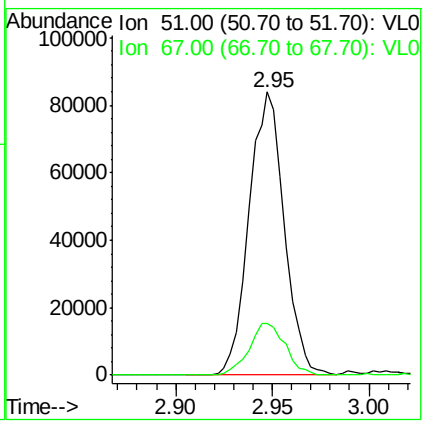


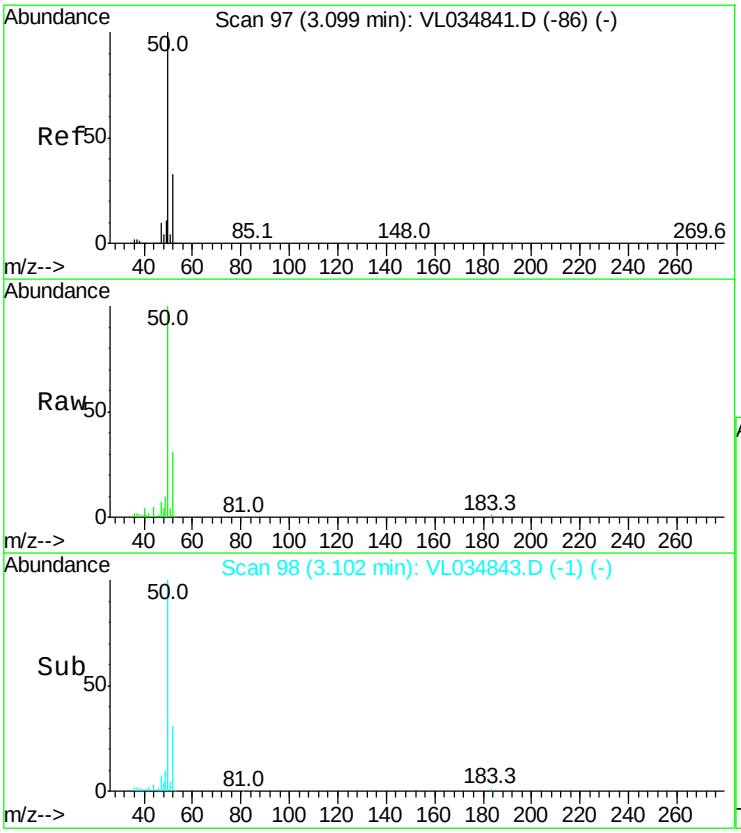
#3
Chlorodifluoromethane
Concen: 0.993 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 105850

Ion	Ratio	Lower	Upper
51	100		
67	18.9	14.3	21.5

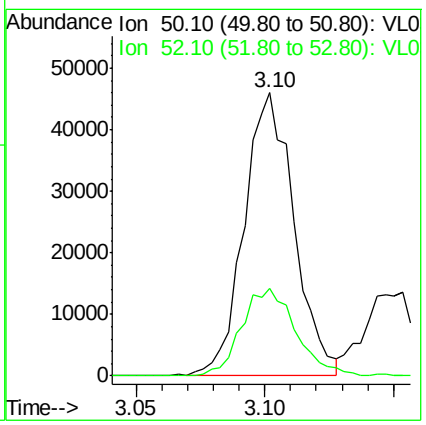


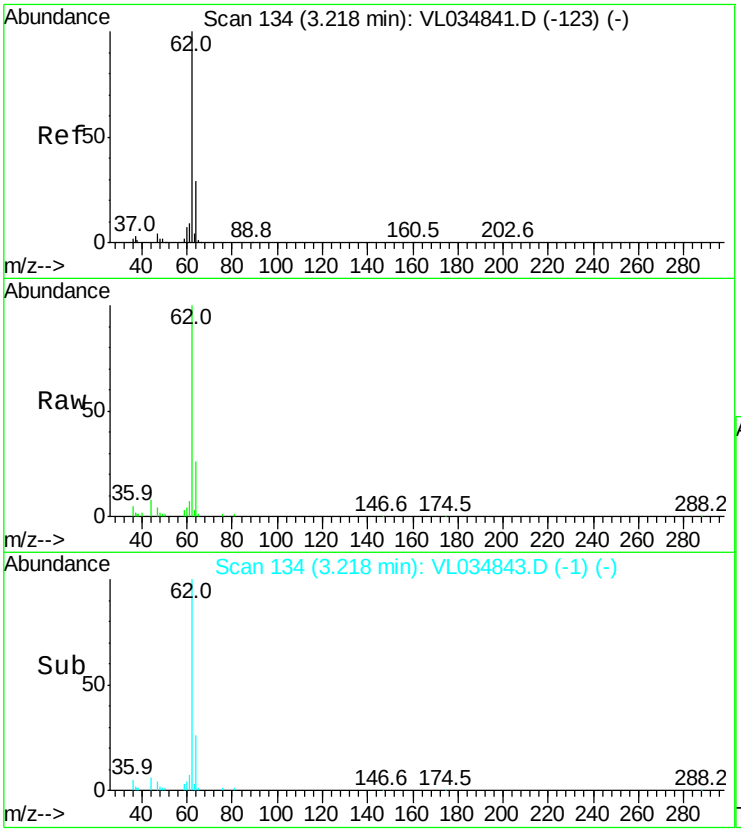


#4
Chloromethane
Concen: 1.085 ppbv
RT: 3.10 min Scan# 98
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 50 Resp: 62304

Ion	Ratio	Lower	Upper
50	100		
52	30.9	26.8	40.2



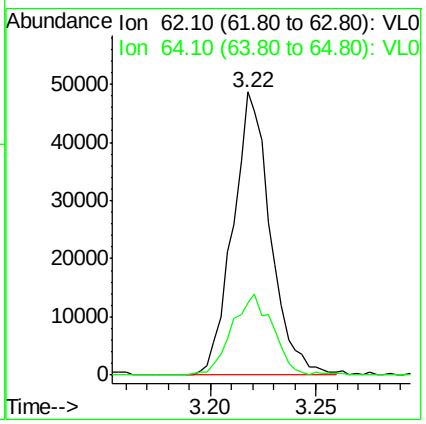


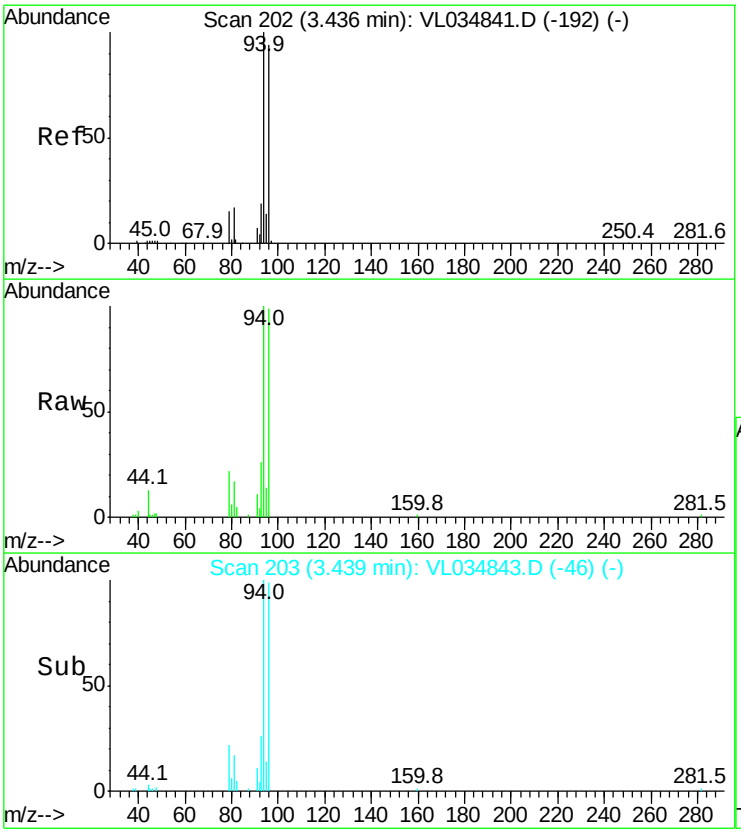
#5
Vinyl Chloride
Concen: 0.993 ppbv
RT: 3.22 min Scan# 134
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 60247

Ion	Ratio	Lower	Upper
62	100		
64	25.5	23.0	34.4

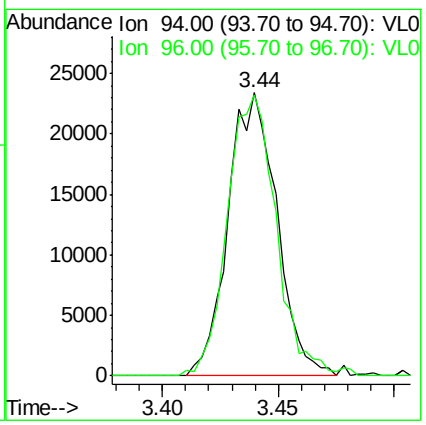


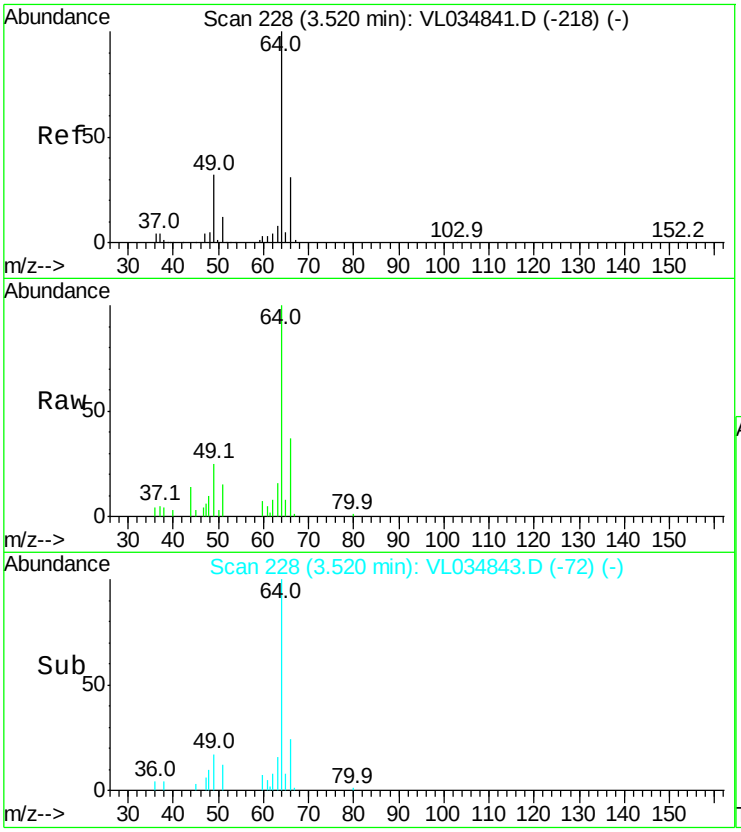


#6
Bromomethane
Concen: 1.029 ppbv
RT: 3.44 min Scan# 203
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 94 Resp: 34076

Ion	Ratio	Lower	Upper
94	100		
96	97.3	75.5	113.3



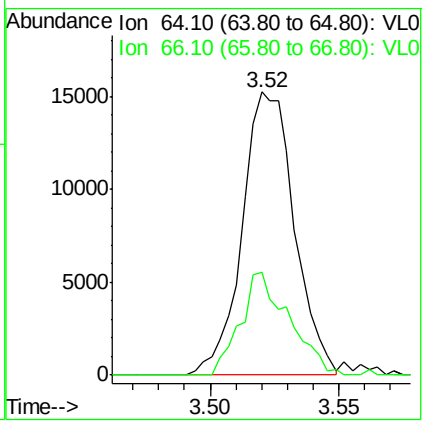


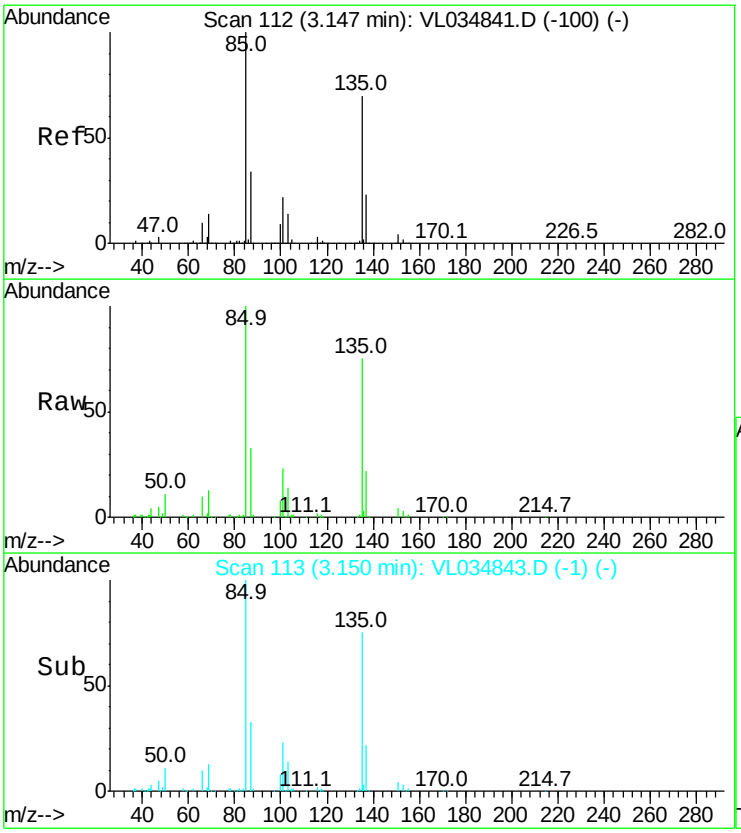
#7
Chloroethane
Concen: 1.027 ppbv
RT: 3.52 min Scan# 228
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 21550

Ion	Ratio	Lower	Upper
64	100		
66	36.6	24.8	37.2

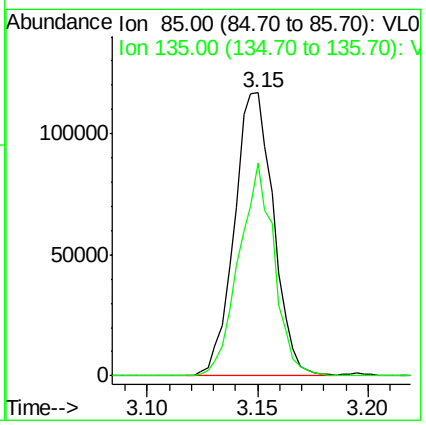


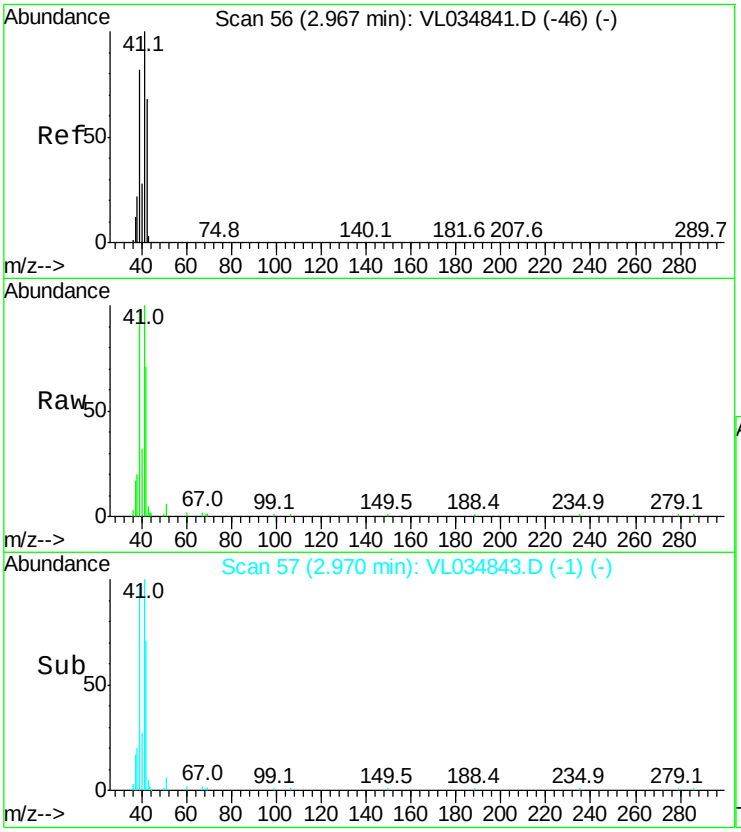


#8
Dichlorotetrafluoroethane
Concen: 1.093 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 85 Resp: 145062

Ion	Ratio	Lower	Upper
85	100		
135	67.5	54.3	81.5



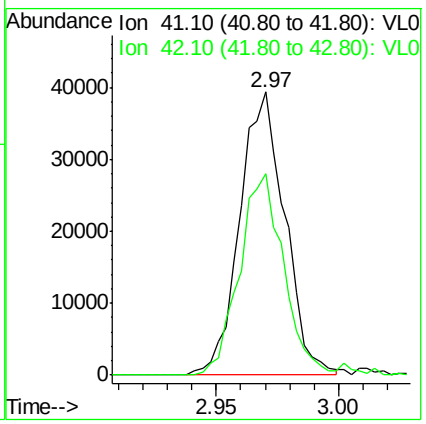


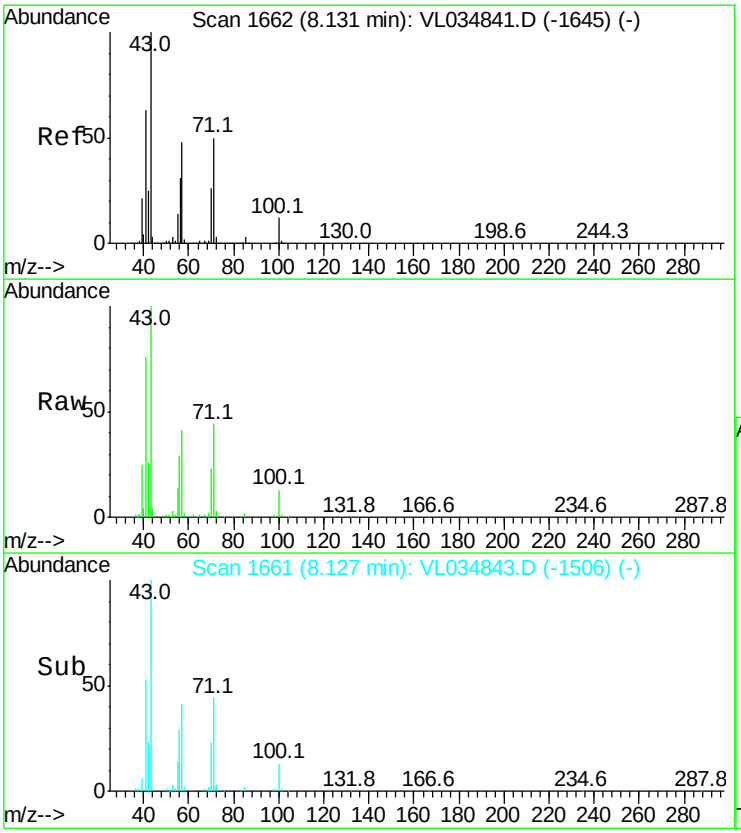
#9
Propene
Concen: 1.194 ppbv
RT: 2.97 min Scan# 57
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 50111

Ion	Ratio	Lower	Upper
41	100		
42	71.5	55.2	82.8

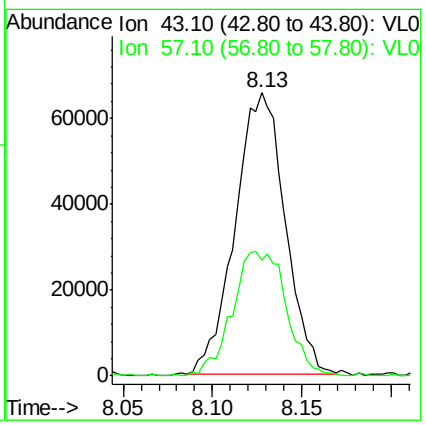


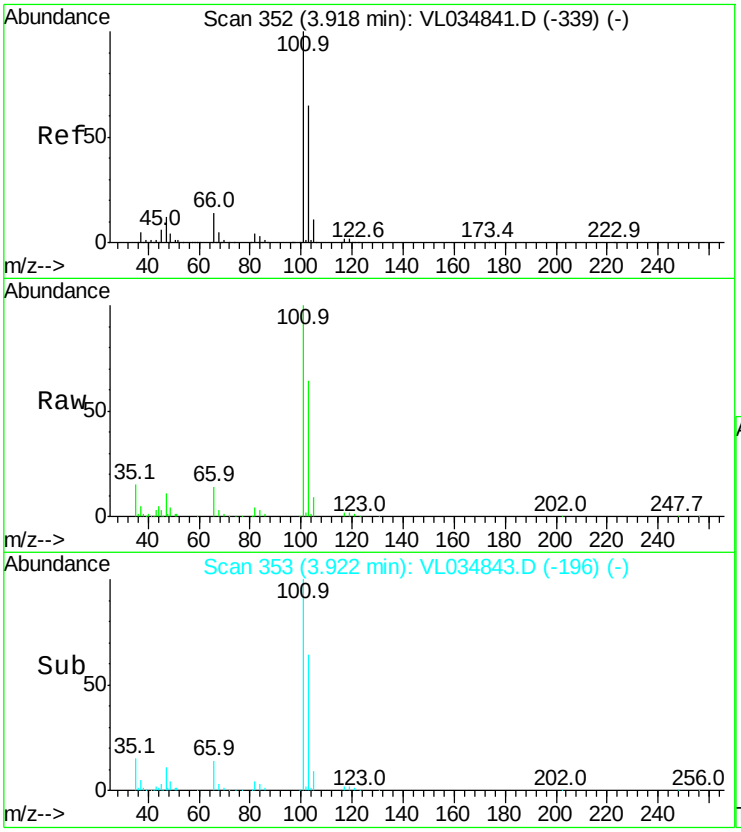


#10
Heptane
Concen: 1.199 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 43 Resp: 127869

Ion	Ratio	Lower	Upper
43	100		
57	47.9	39.7	59.5



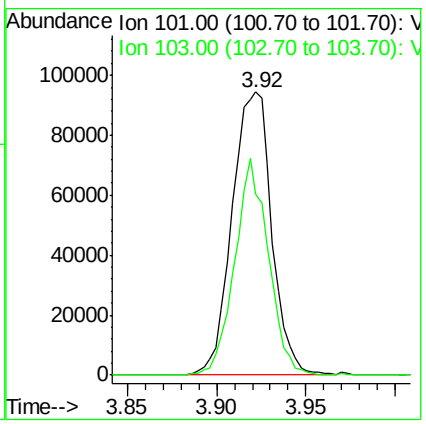


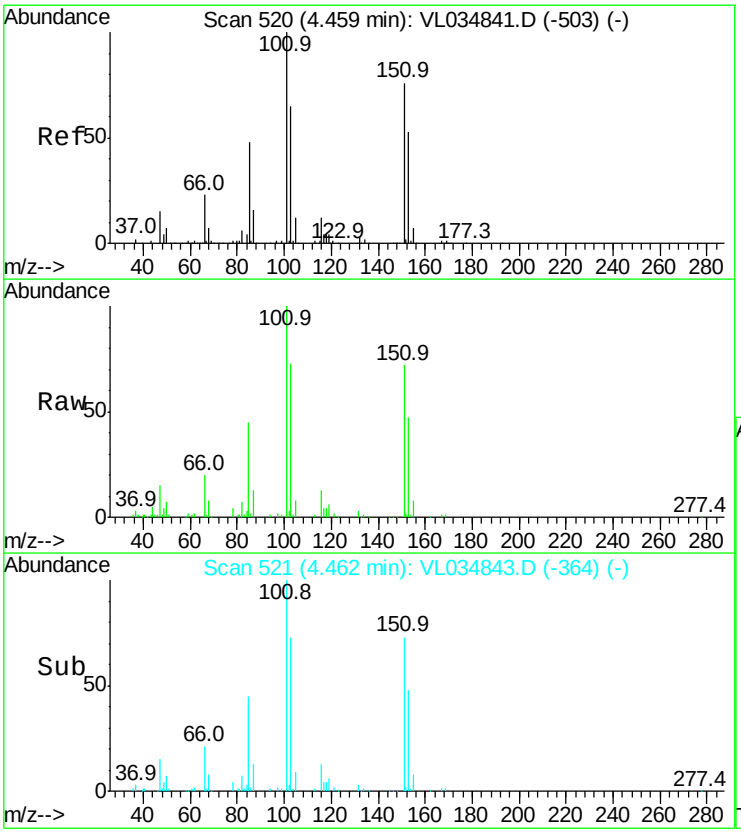
#11
Trichlorofluoromethane
Concen: 1.070 ppbv
RT: 3.92 min Scan# 353
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 146232

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.8	77.8

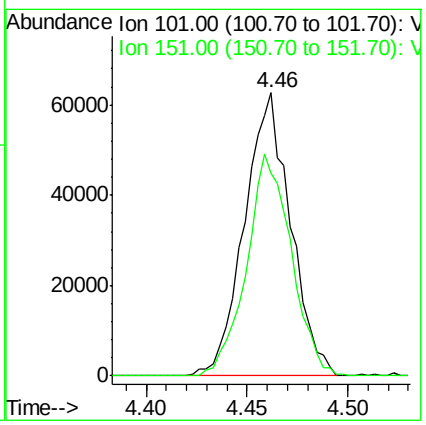


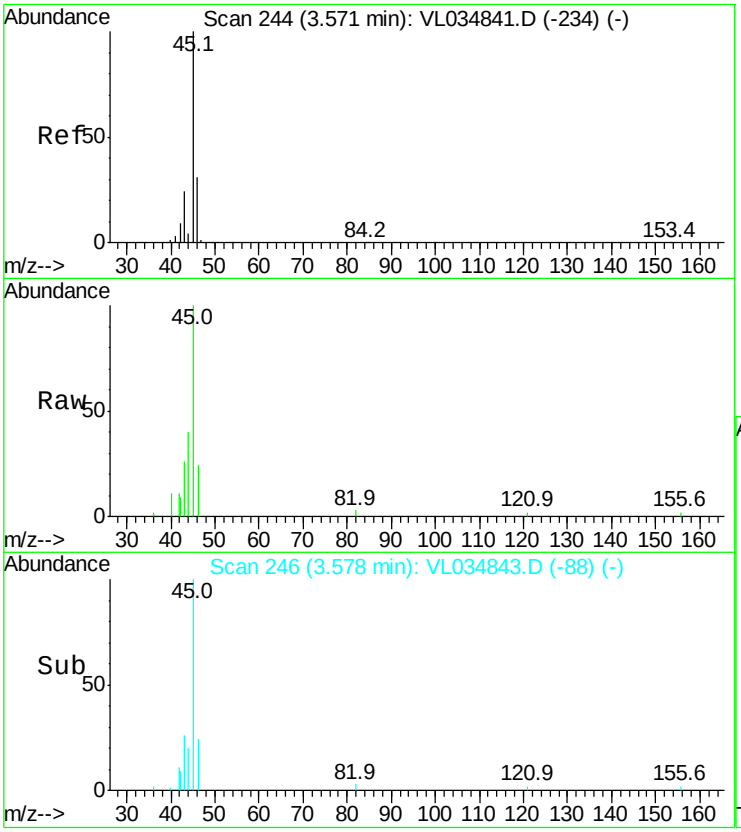


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.061 ppbv
RT: 4.46 min Scan# 521
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:101 Resp: 100022

Ion	Ratio	Lower	Upper
101	100		
151	76.0	60.8	91.2



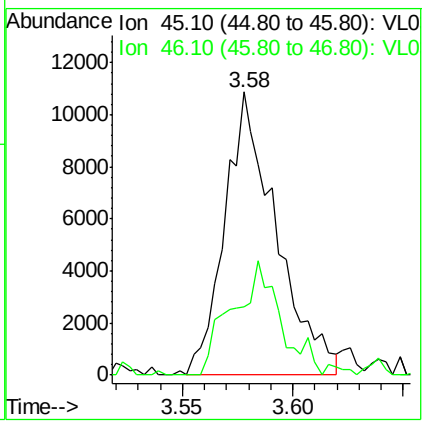


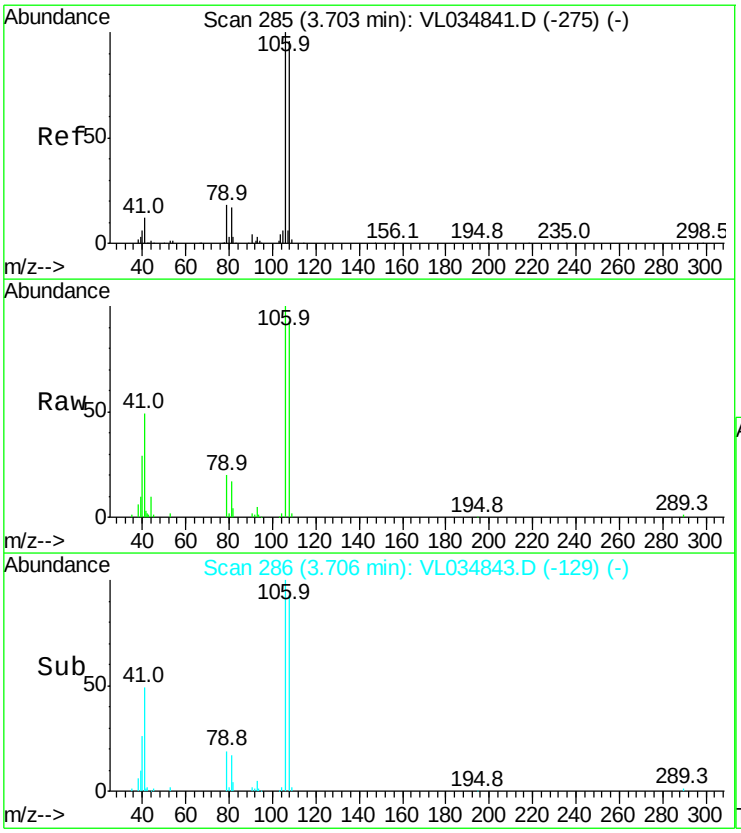
#13
Ethanol
Concen: 1.223 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 17596

Ion	Ratio	Lower	Upper
45	100		
46	38.8	16.0	64.0

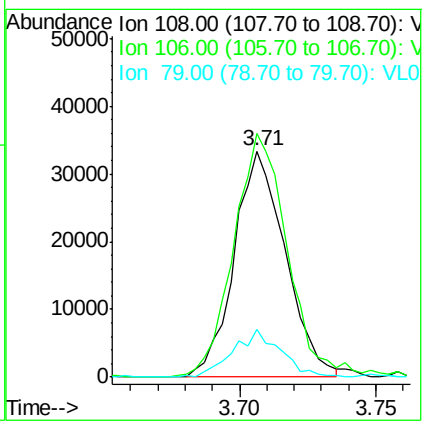


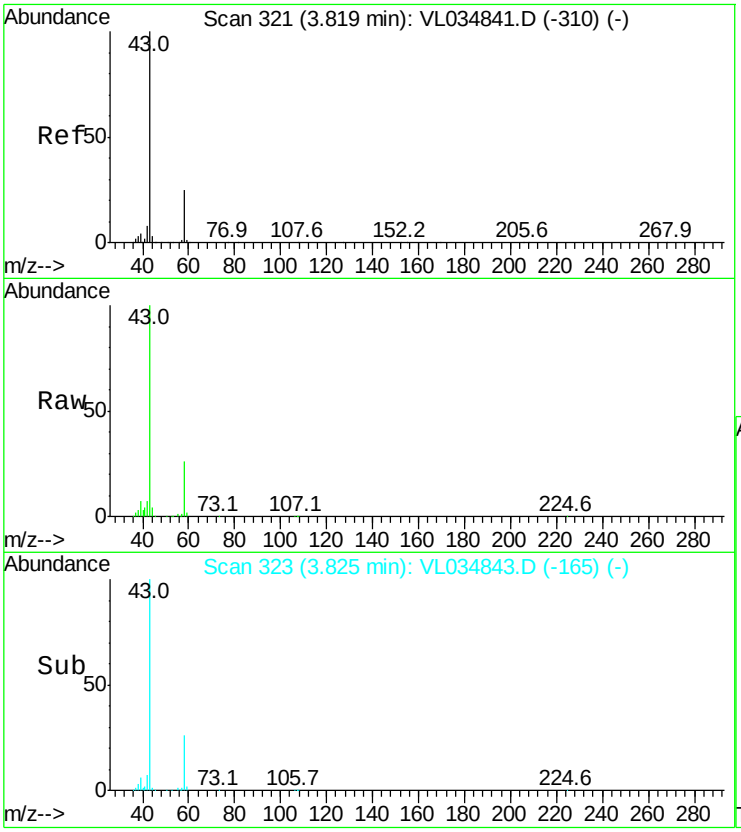


#14
Bromoethene
Concen: 1.124 ppbv
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:108 Resp: 43496

Ion	Ratio	Lower	Upper
108	100		
106	114.3	85.1	127.7
79	20.0	14.7	22.1



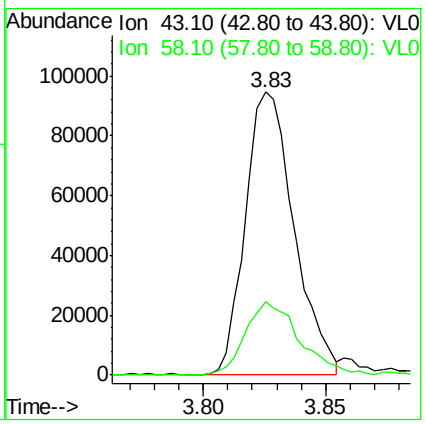


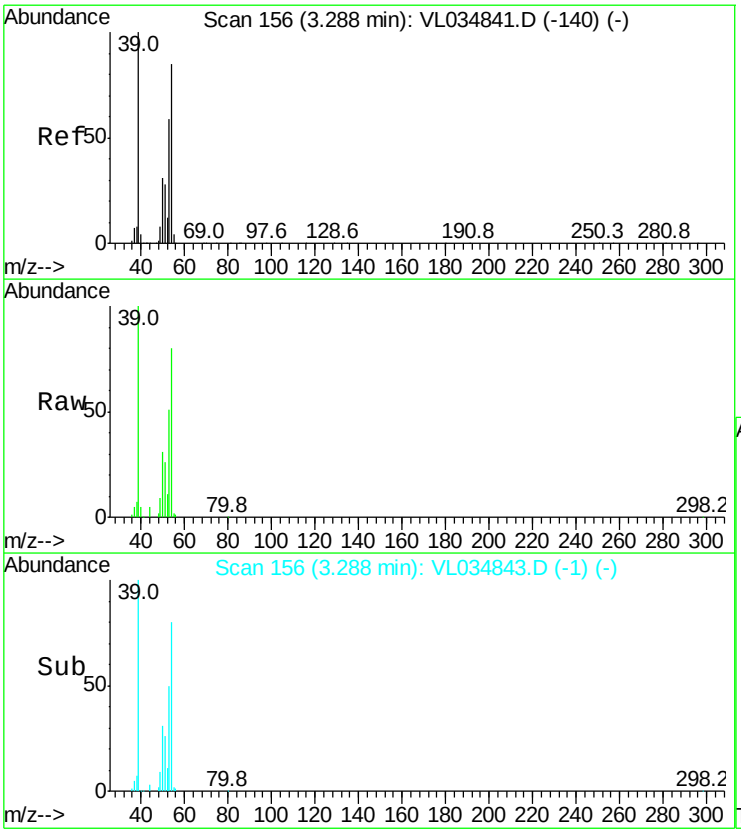
#15
Acetone
Concen: 1.168 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 130876

Ion	Ratio	Lower	Upper
43	100		
58	29.4	21.0	31.6

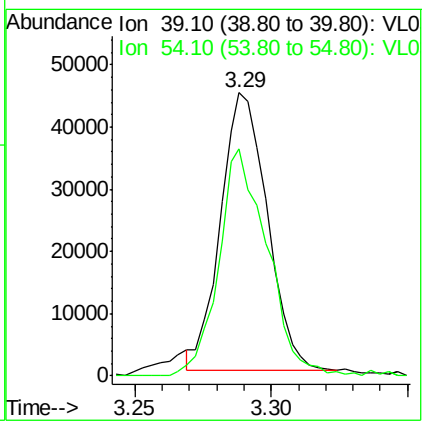


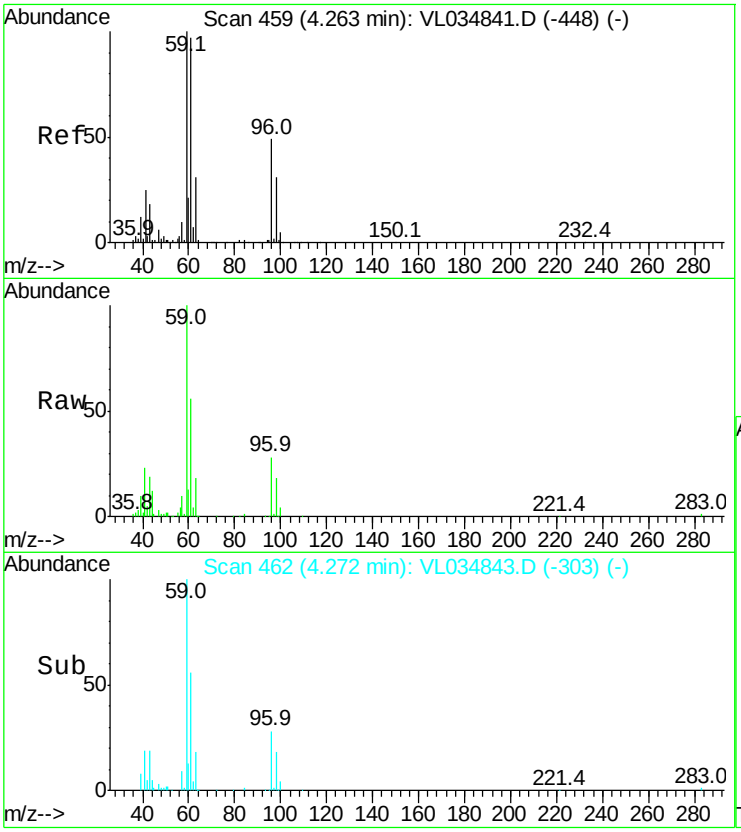


#16
1,3-Butadiene
Concen: 1.050 ppbv
RT: 3.29 min Scan# 156
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 39 Resp: 53262

Ion	Ratio	Lower	Upper
39	100		
54	85.5	65.0	97.6



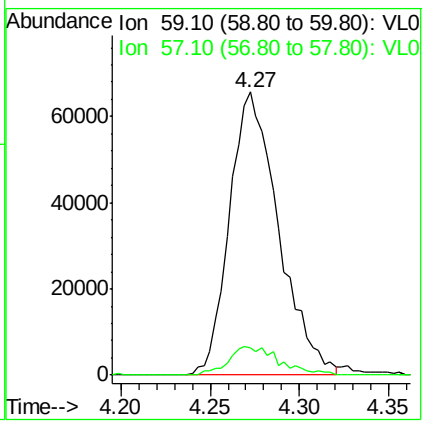


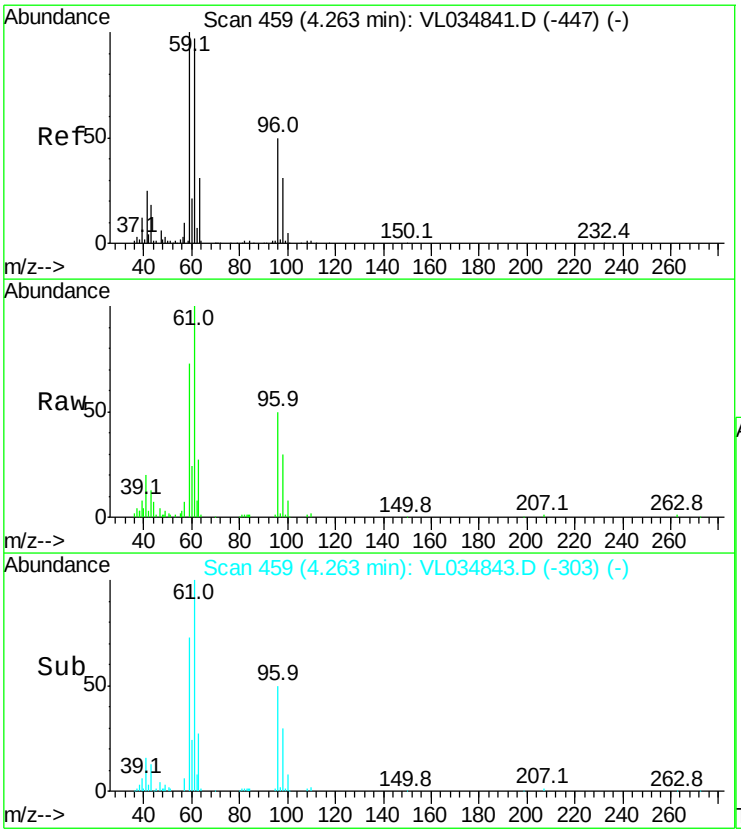
#17
tert-Butyl alcohol
Concen: 1.424 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 125890

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

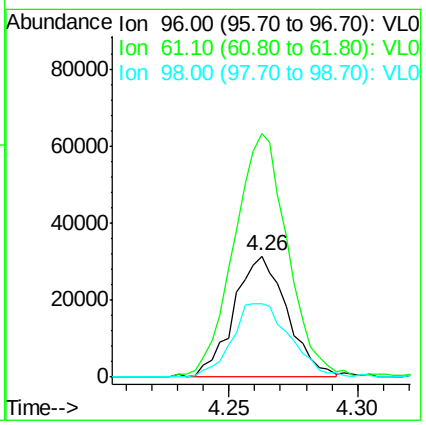


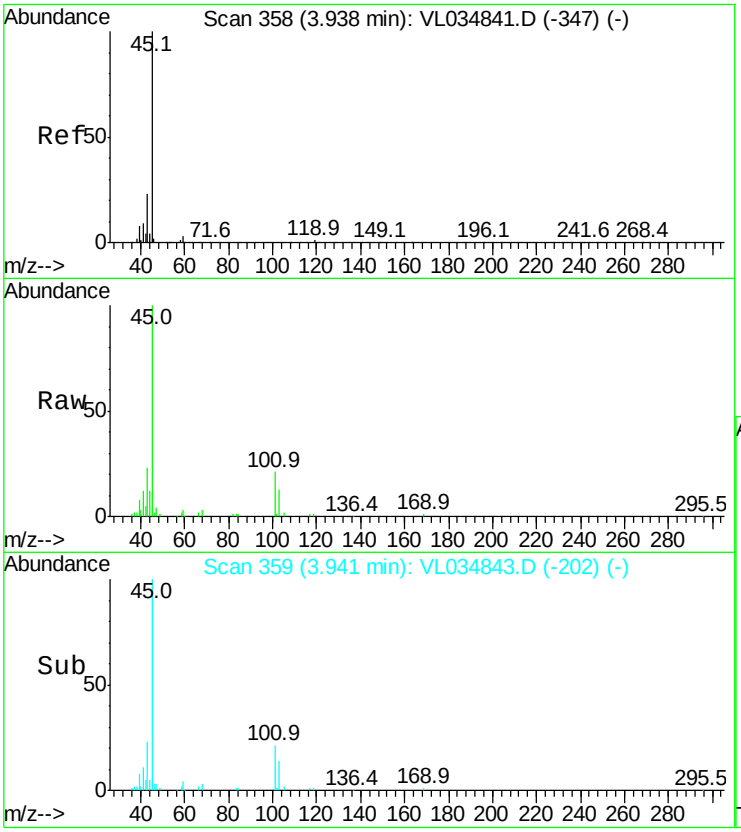


#18
1,1-Dichloroethene
Concen: 1.071 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 96 Resp: 44538

Ion	Ratio	Lower	Upper
96	100		
61	199.4	157.3	235.9
98	60.6	50.2	75.4



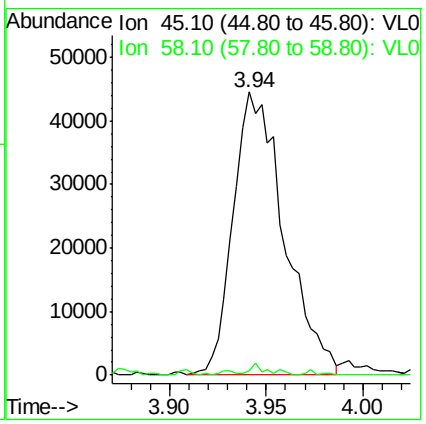


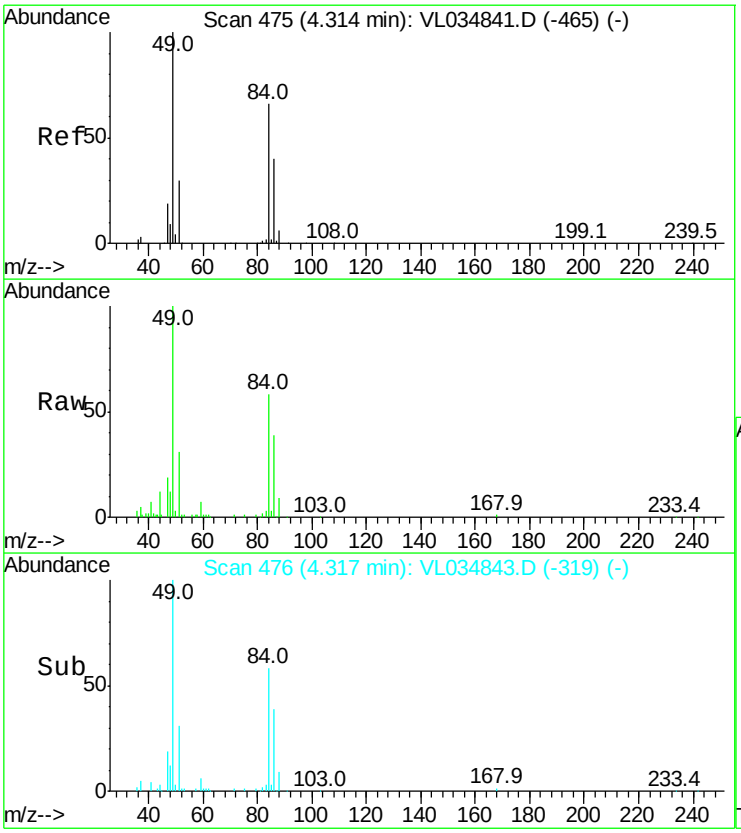
#19
Isopropyl Alcohol
Concen: 1.215 ppbv
RT: 3.94 min Scan# 359
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 81619

Ion	Ratio	Lower	Upper
45	100		
58	1.6	30.5	45.7#

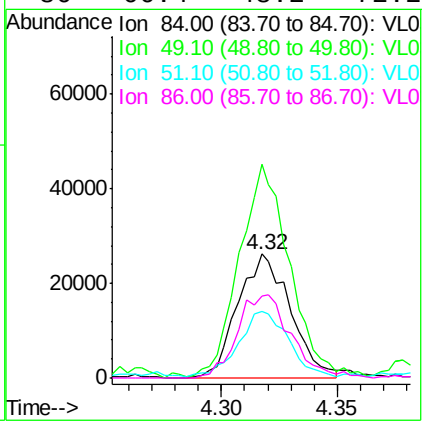


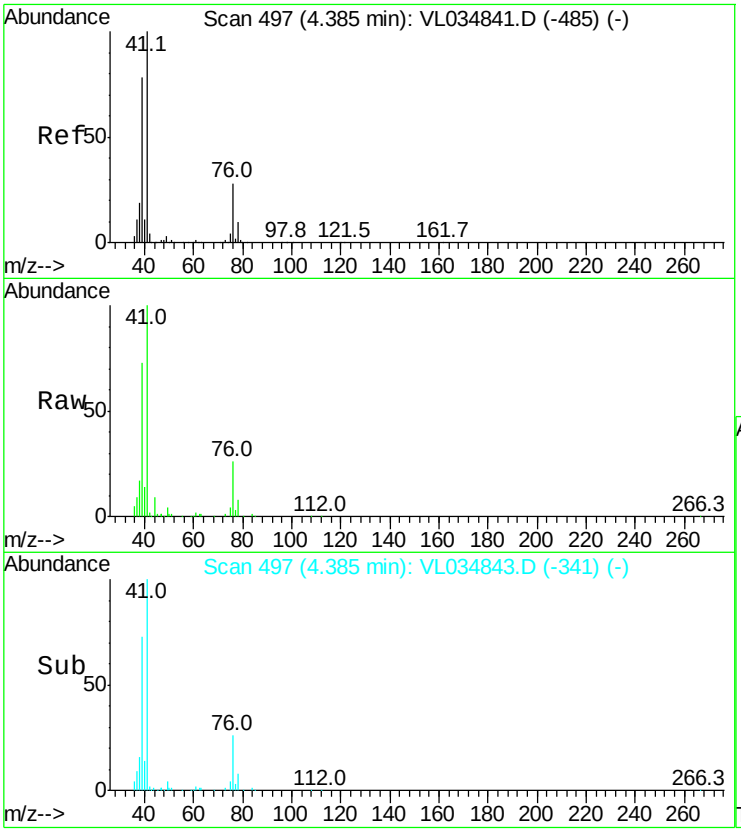


#20
Methylene Chloride
Concen: 1.034 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 84 Resp: 41369

Ion	Ratio	Lower	Upper
84	100		
49	171.5	121.5	182.3
51	52.2	36.6	55.0
86	66.4	48.2	72.2



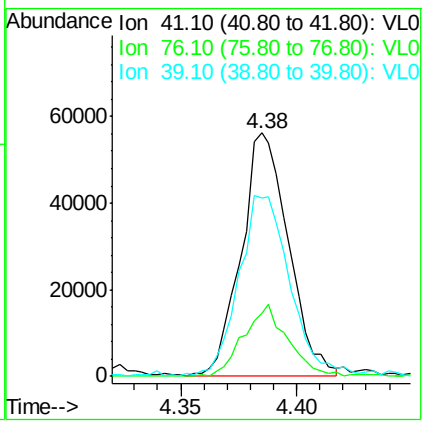


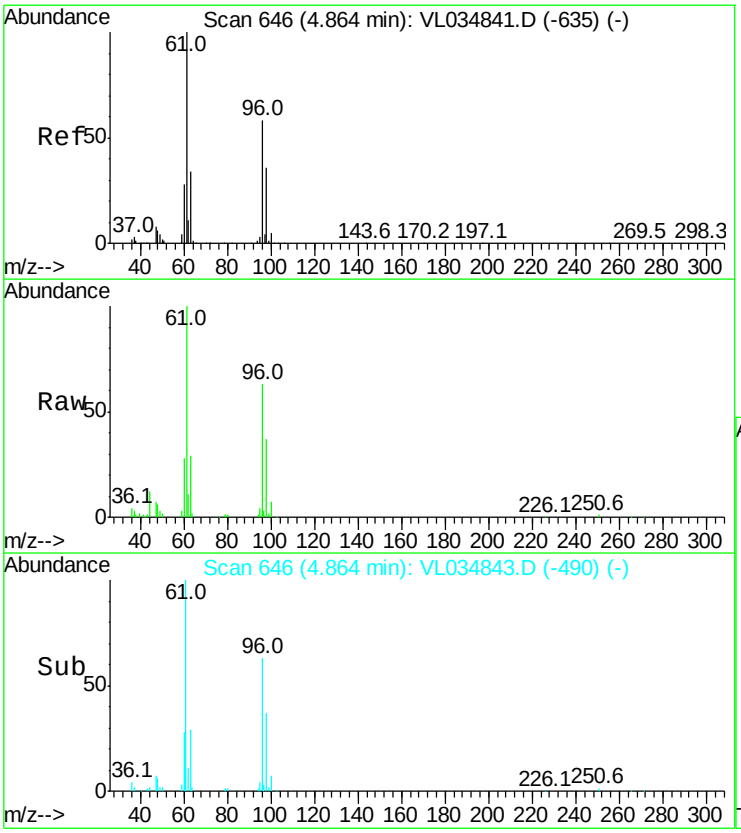
#21
Allyl Chloride
Concen: 1.119 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 79398

Ion	Ratio	Lower	Upper
41	100		
76	28.1	22.2	33.2
39	82.8	62.6	93.8

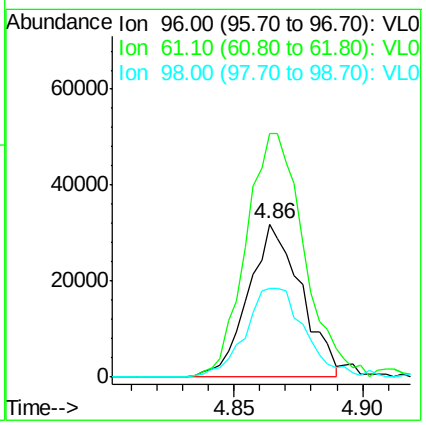


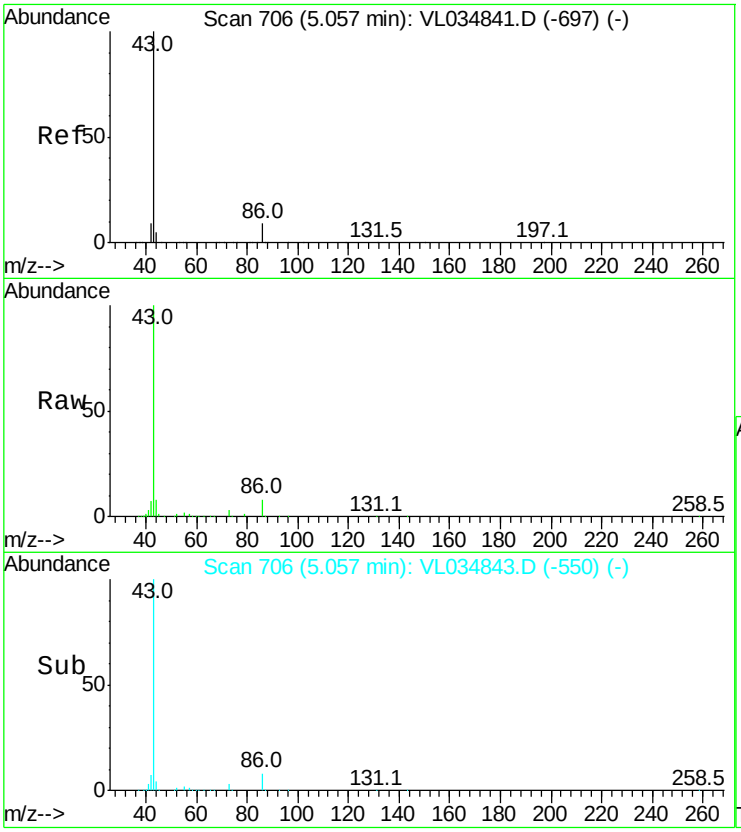


#22
trans-1,2-Dichloroethene
Concen: 1.123 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 96 Resp: 45598

Ion	Ratio	Lower	Upper
96	100		
61	158.3	139.0	208.6
98	58.0	50.3	75.5



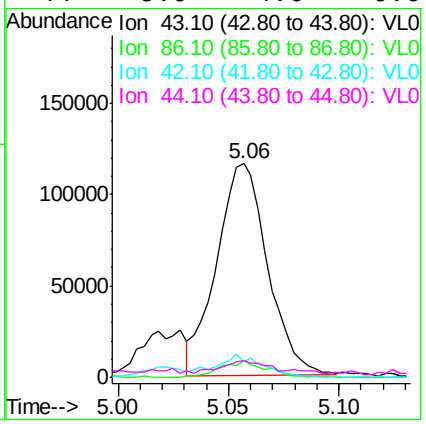


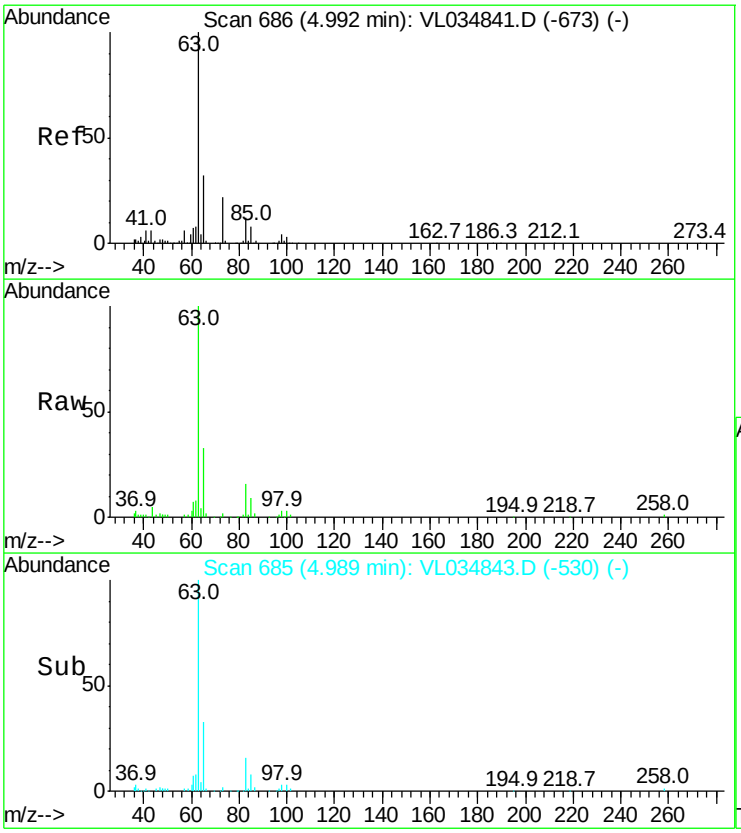
#23
Vinyl Acetate
Concen: 1.235 ppbv
RT: 5.06 min Scan# 706
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 185593

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.3	9.5
42	6.6	7.8	11.8#
44	5.9	4.0	6.0

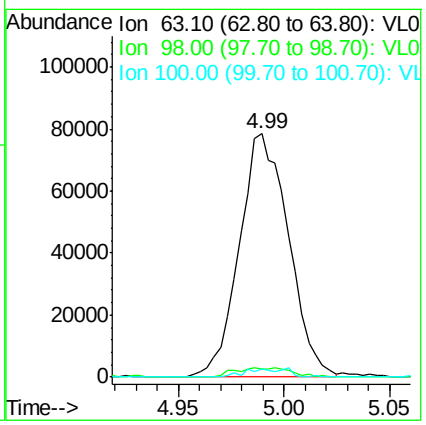


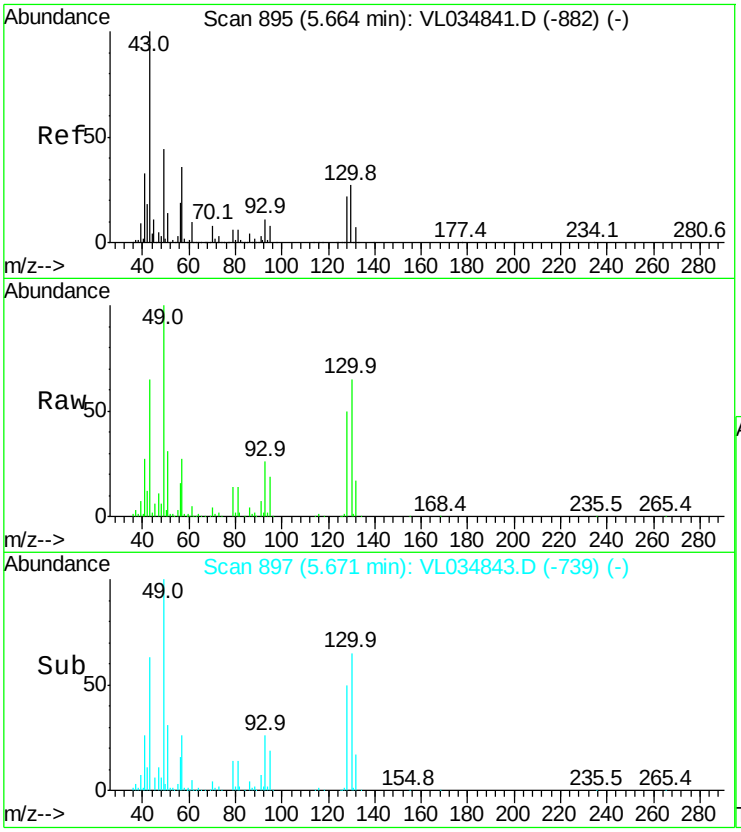


#24
1,1-Dichloroethane
Concen: 1.089 ppbv
RT: 4.99 min Scan# 685
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 63 Resp: 127044

Ion	Ratio	Lower	Upper
63	100		
98	3.3	2.0	5.8
100	3.1	1.4	4.0



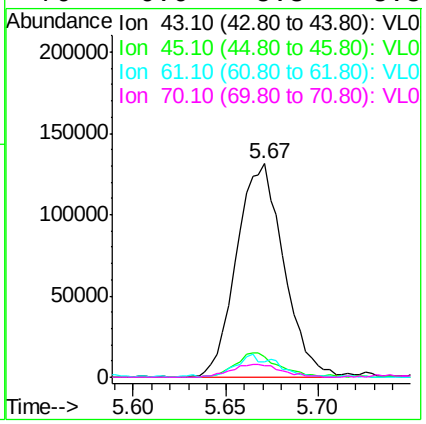


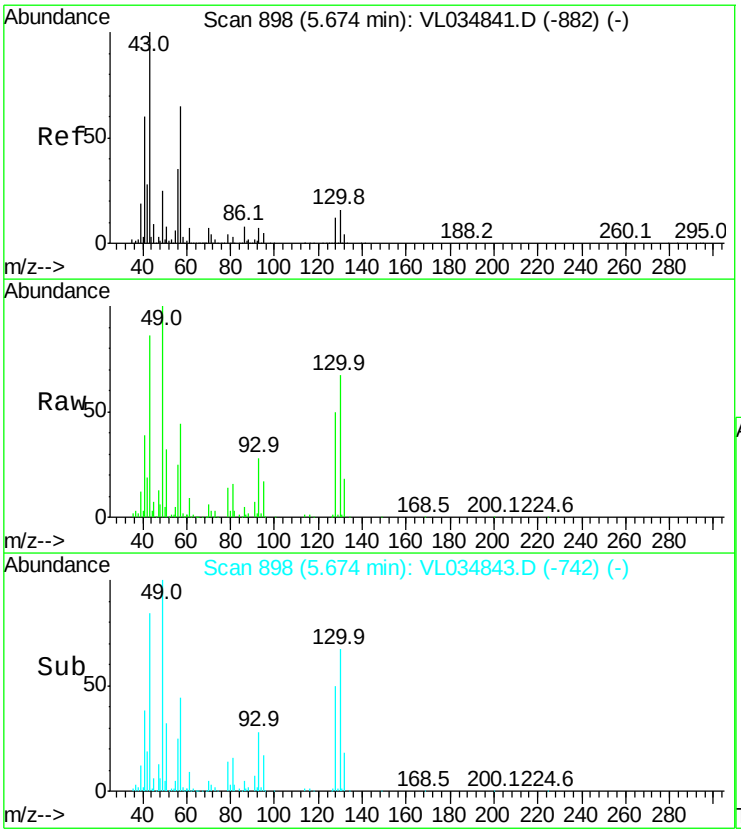
#25
Ethyl Acetate
Concen: 1.200 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 232351

Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.2	12.2
61	9.6	7.8	11.6
70	6.6	5.8	8.8

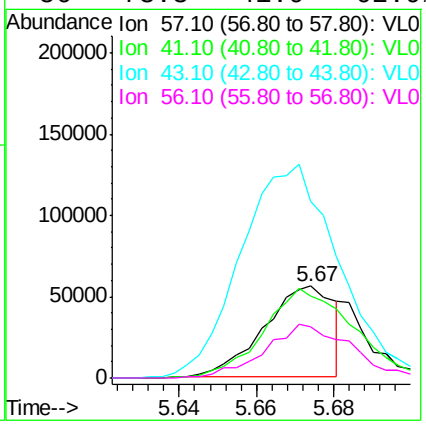


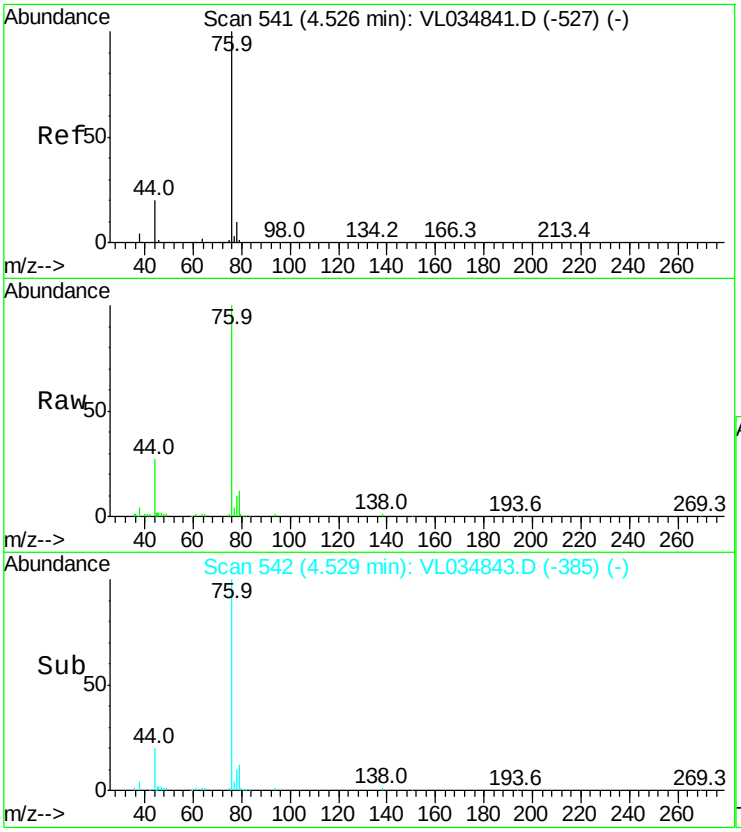


#26
Hexane
Concen: 0.830 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 57 Resp: 70245

Ion	Ratio	Lower	Upper
57	100		
41	127.9	72.6	109.0#
43	336.0	183.8	275.6#
56	73.3	41.9	62.9#



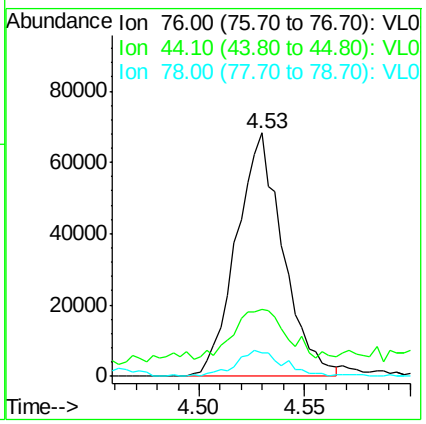


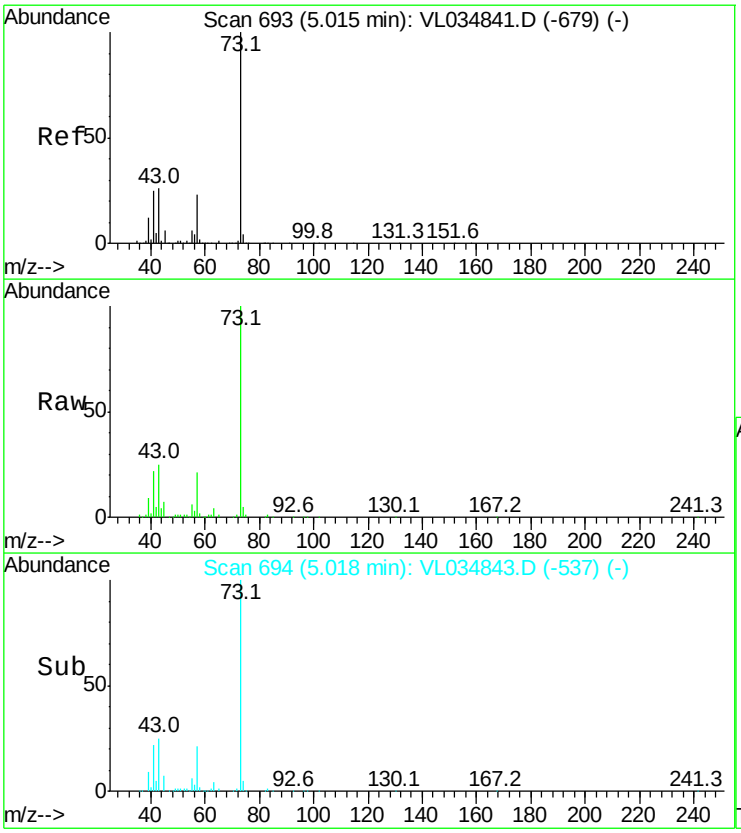
#27
Carbon Disulfide
Concen: 1.060 ppbv
RT: 4.53 min Scan# 542
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 76 Resp: 104801

Ion	Ratio	Lower	Upper
76	100		
44	29.5	16.2	24.2#
78	11.3	7.8	11.6

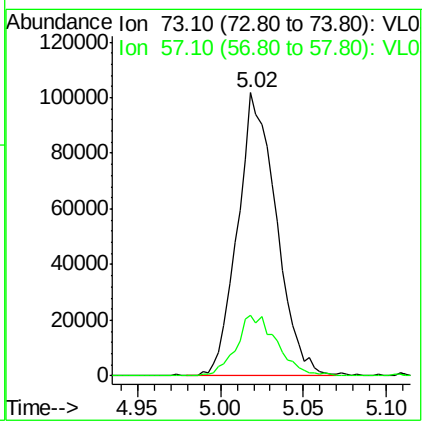


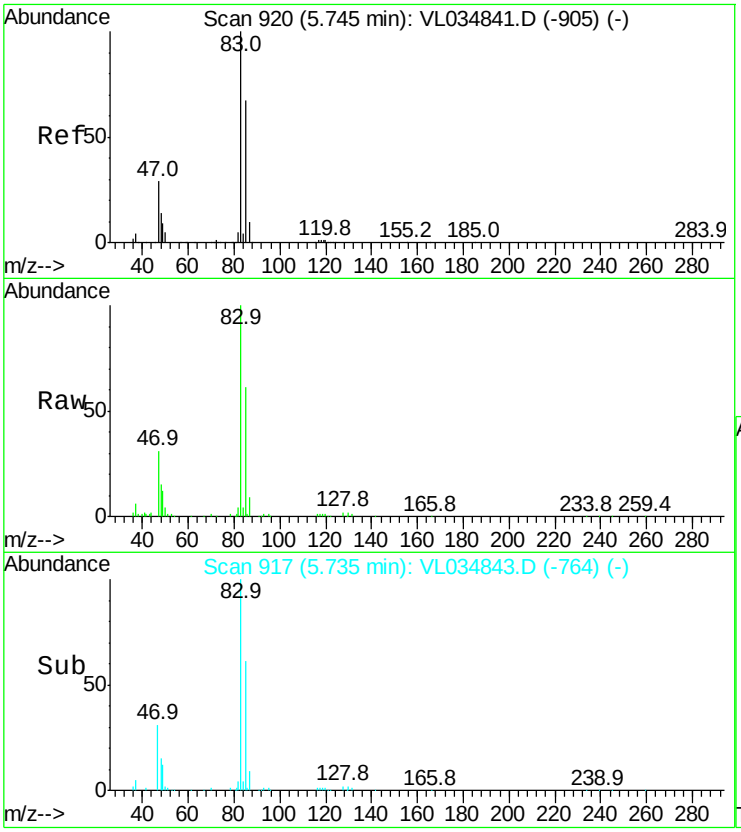


#28
Methyl tert-Butyl Ether
Concen: 1.316 ppbv
RT: 5.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 73 Resp: 165805

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.3	27.5



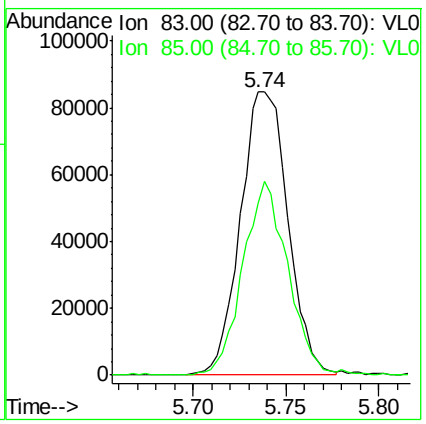


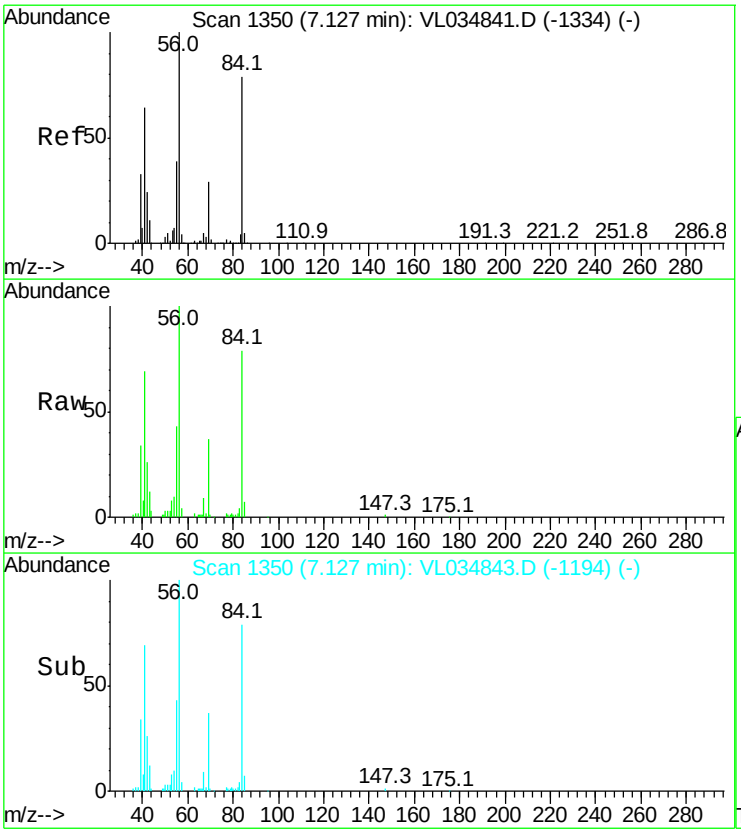
#29
Chloroform
Concen: 1.065 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 151755

Ion	Ratio	Lower	Upper
83	100		
85	60.9	53.8	80.6

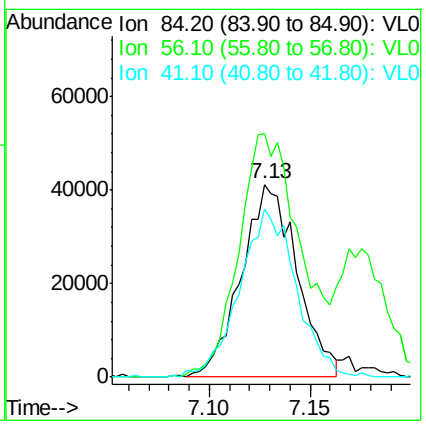


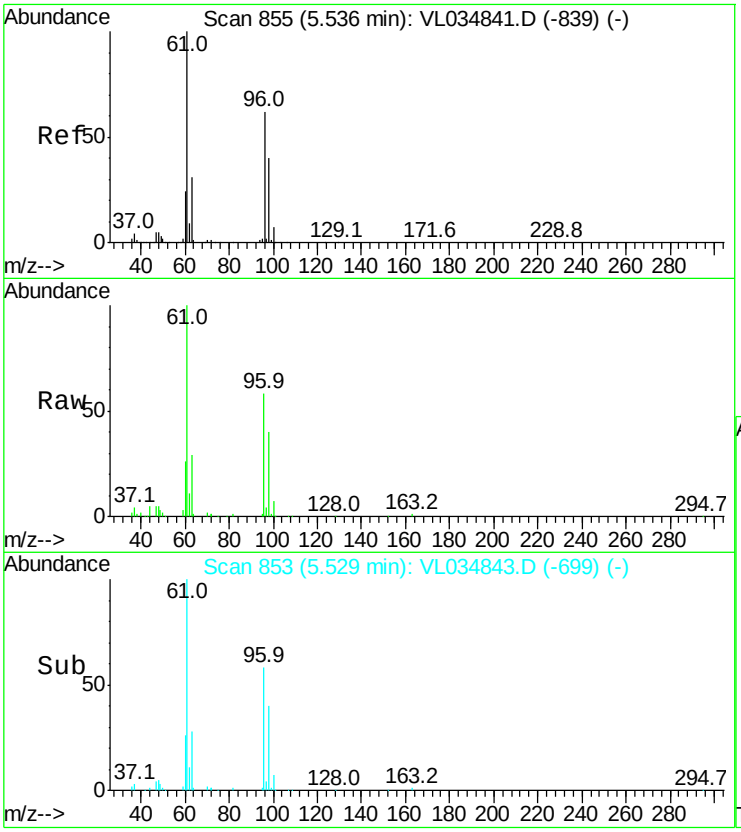


#30
Cyclohexane
Concen: 1.229 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 84 Resp: 79575

Ion	Ratio	Lower	Upper
84	100		
56	144.1	110.5	165.7
41	88.5	68.2	102.4



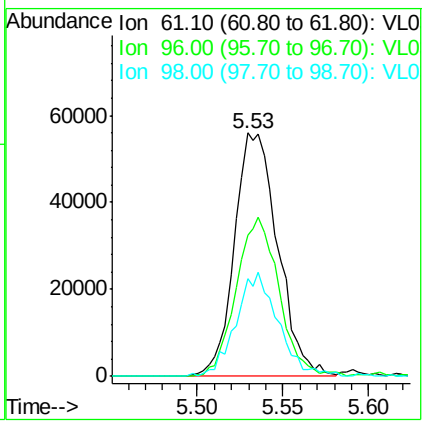


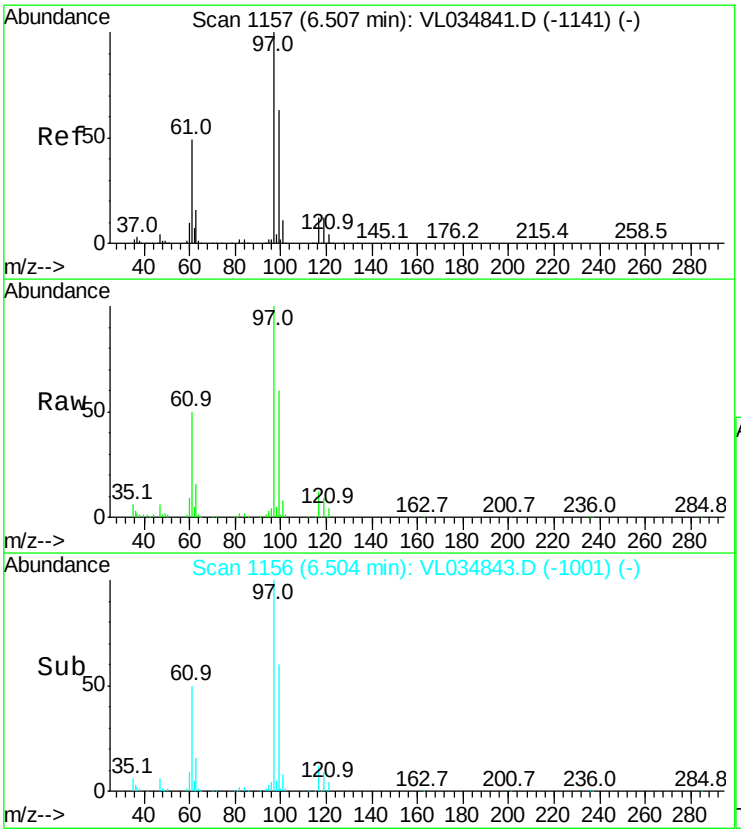
#31
cis-1,2-Dichloroethene
Concen: 1.131 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 61 Resp: 98151

Ion	Ratio	Lower	Upper
61	100		
96	57.9	49.8	74.8
98	40.0	32.2	48.4

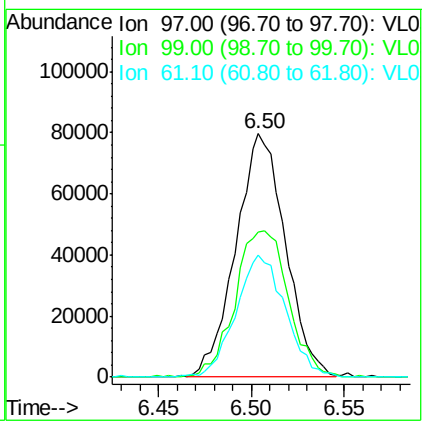


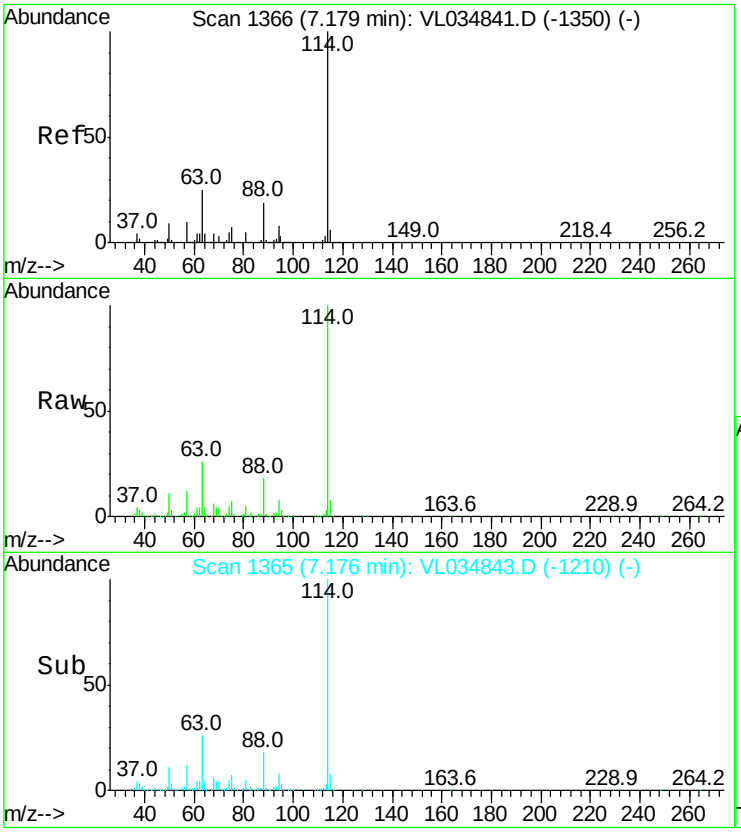


#32
1,1,1-Trichloroethane
Concen: 1.039 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 97 Resp: 146296

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.1	76.7
61	50.9	39.7	59.5



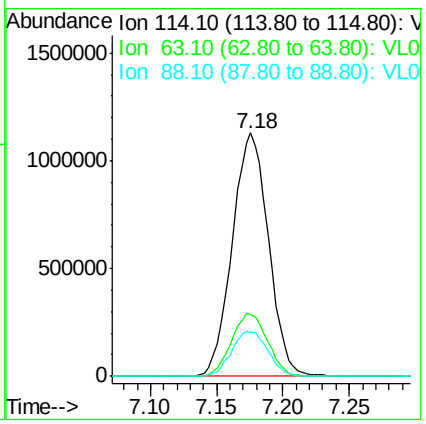


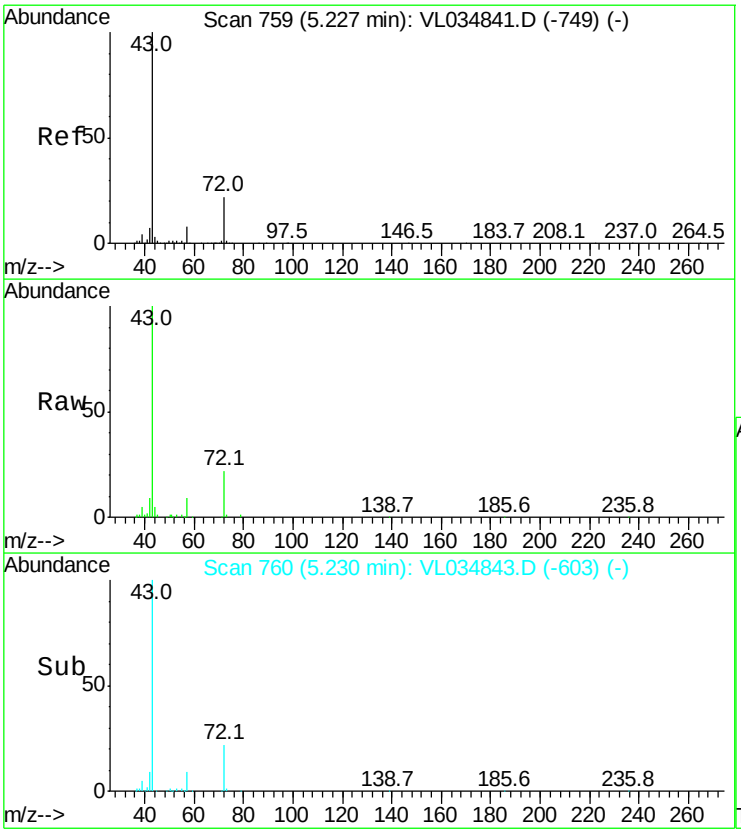
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 2141657

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.6	31.0
88	18.8	15.0	22.6

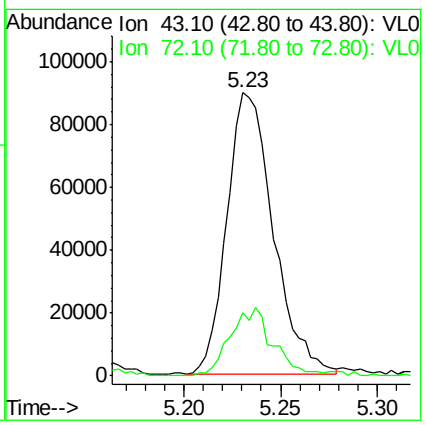


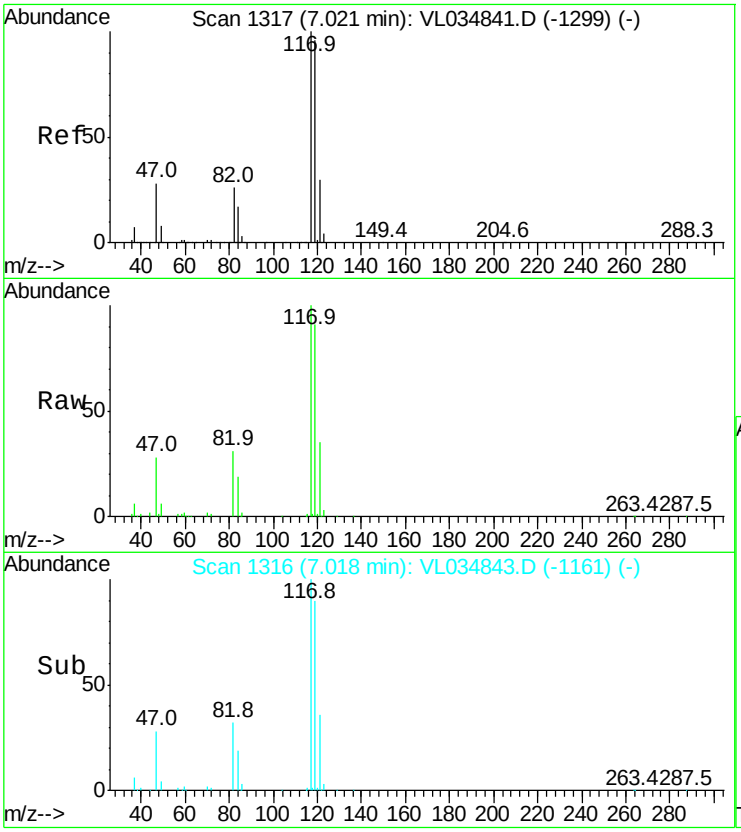


#34
2-Butanone
Concen: 1.080 ppbv
RT: 5.23 min Scan# 760
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 43 Resp: 150516

Ion	Ratio	Lower	Upper
43	100		
72	22.9	17.6	26.4



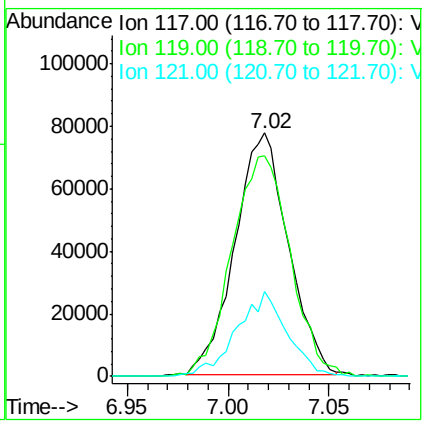


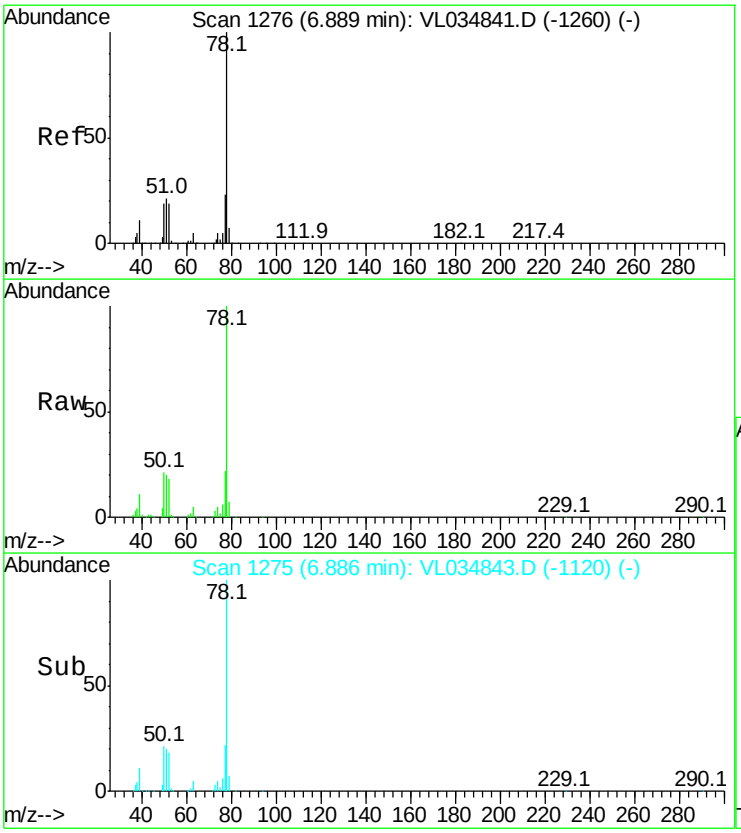
#35
Carbon Tetrachloride
Concen: 0.887 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 143314

Ion	Ratio	Lower	Upper
117	100		
119	89.9	77.0	115.4
121	34.0	24.0	36.0

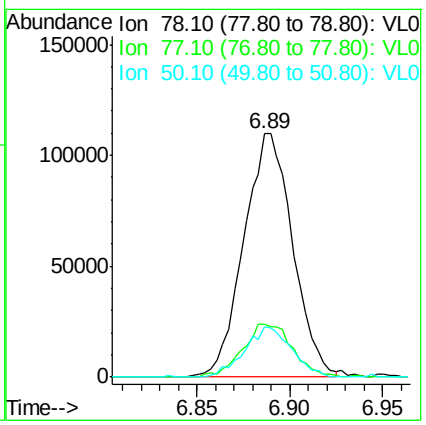


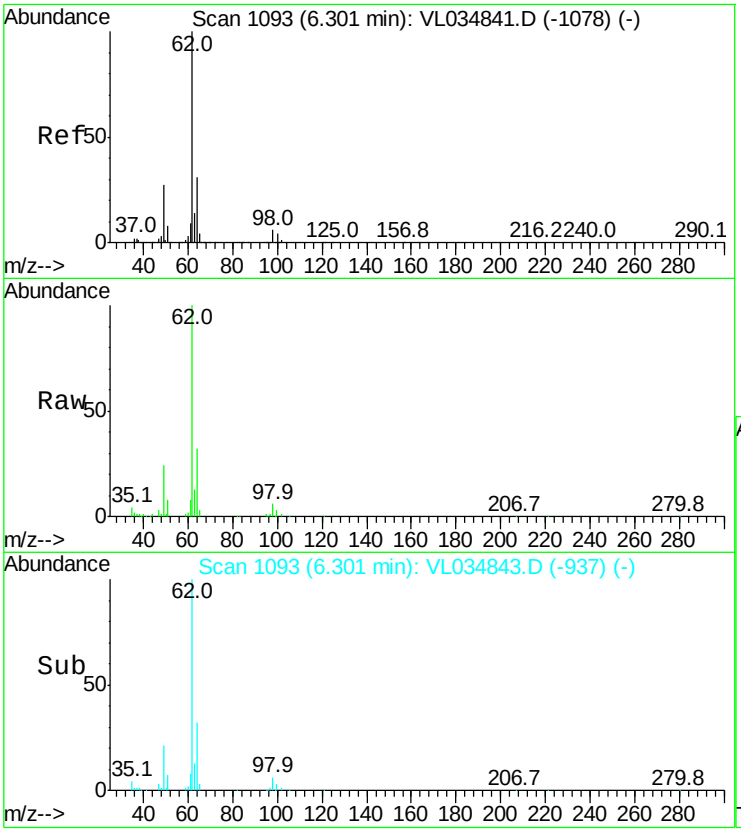


#36
Benzene
Concen: 1.103 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 78 Resp: 201939

Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.2	27.2
50	20.7	15.2	22.8



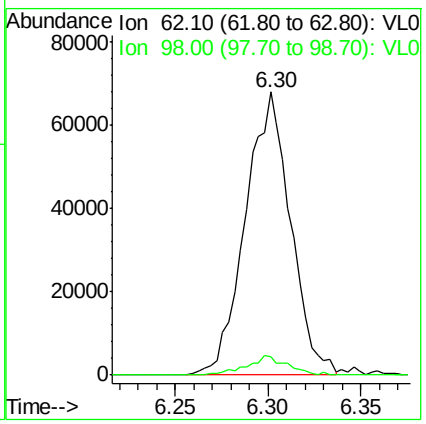


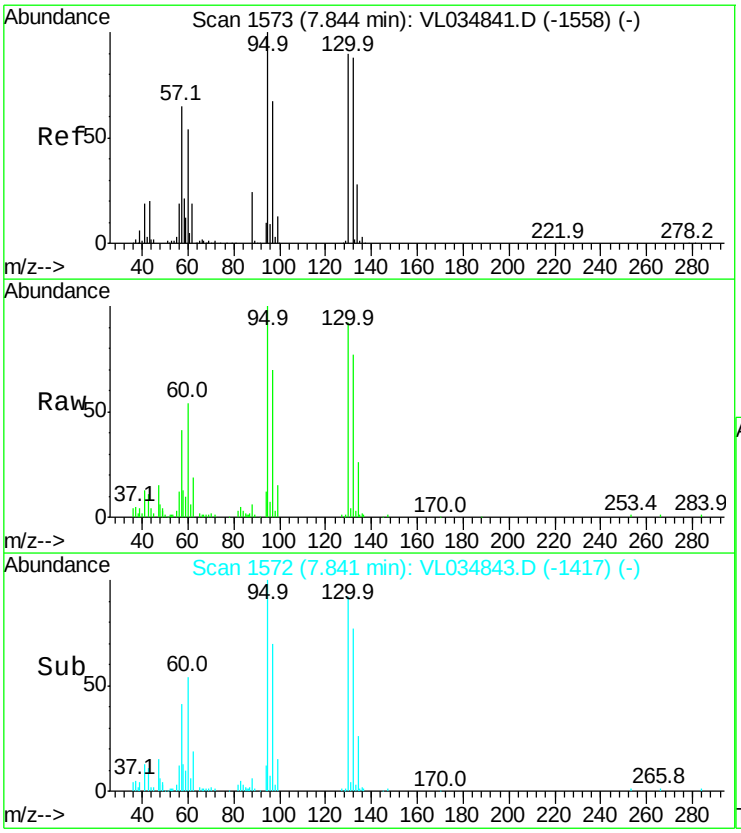
#37
1,2-Dichloroethane
Concen: 0.926 ppbv
RT: 6.30 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 62 Resp: 115728

Ion	Ratio	Lower	Upper
62	100		
98	6.1	5.2	7.8

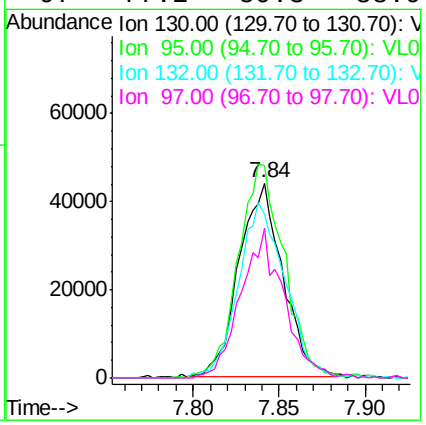


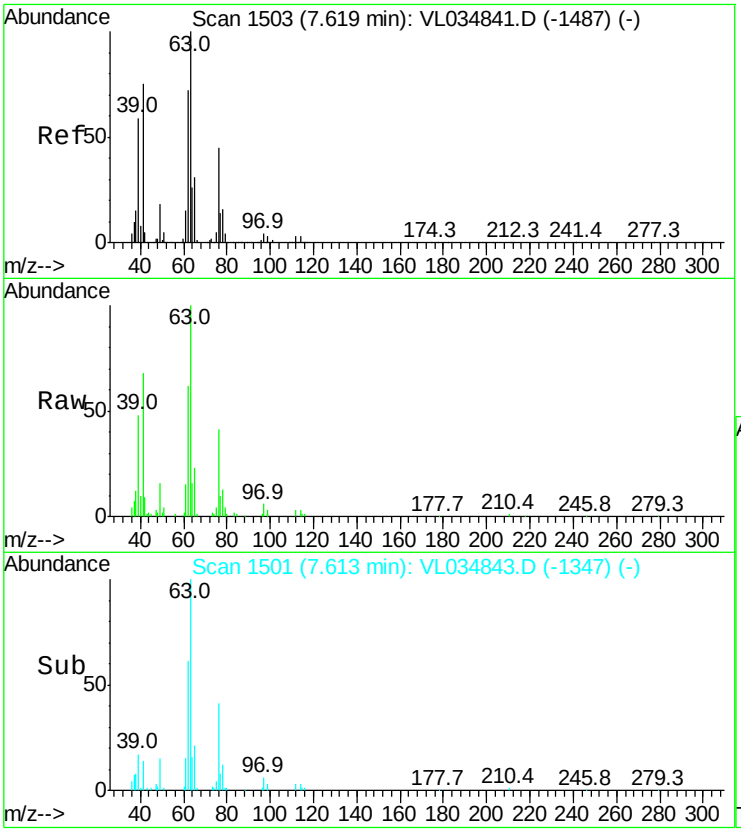


#38
Trichloroethene
Concen: 1.086 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:130 Resp: 77441

Ion	Ratio	Lower	Upper
130	100		
95	109.2	88.5	132.7
132	84.9	78.0	117.0
97	77.2	59.3	88.9



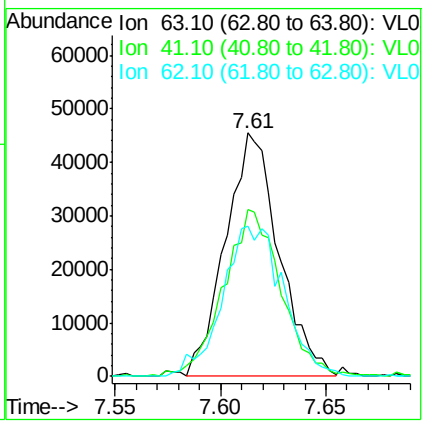


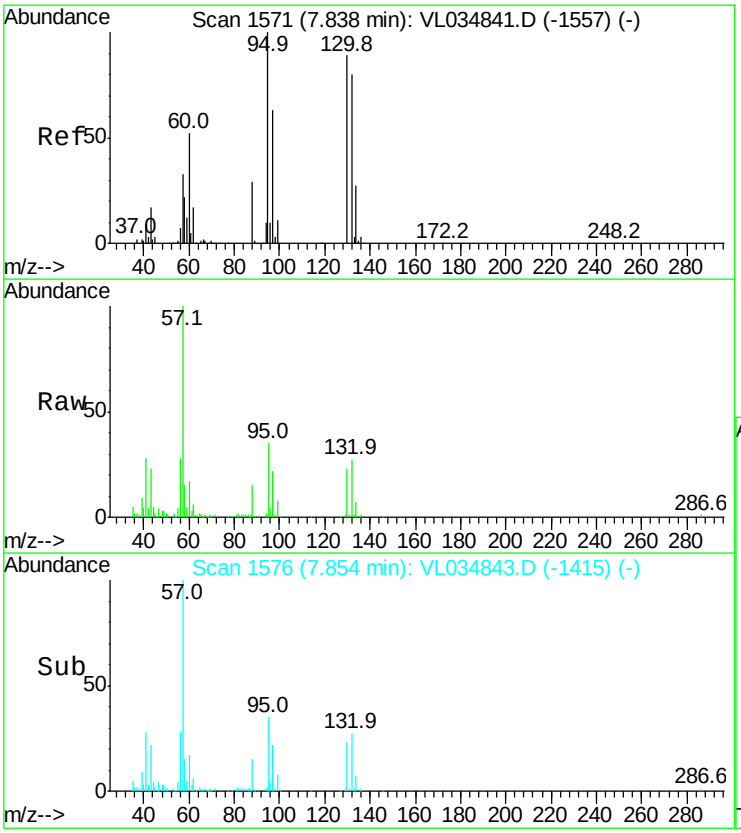
#39
1,2-Dichloropropane
Concen: 1.085 ppbv
RT: 7.61 min Scan# 1501
Delta R.T. -0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 63 Resp: 80134

Ion	Ratio	Lower	Upper
63	100		
41	67.2	59.8	89.8
62	59.7	57.6	86.4

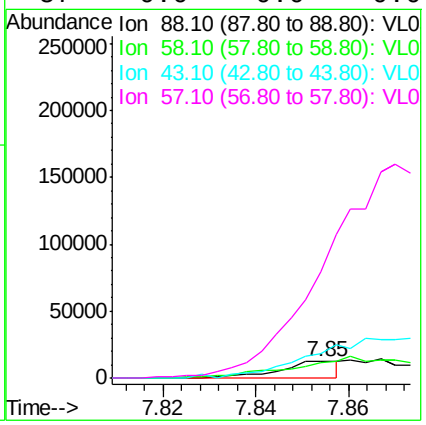


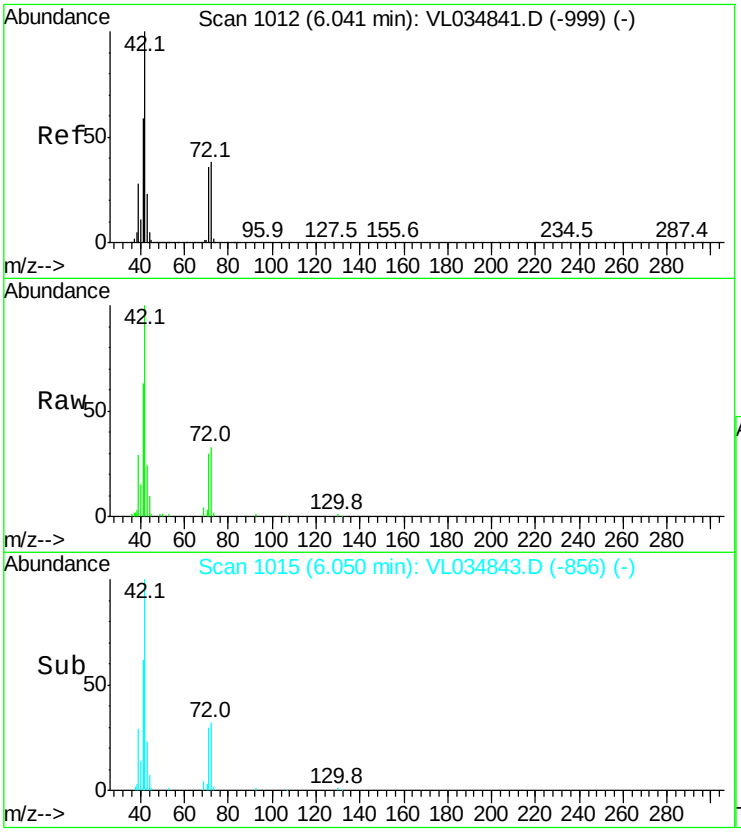


#40
1,4-Dioxane
Concen: 0.437 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.02 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 88 Resp: 11156

Ion	Ratio	Lower	Upper
88	100		
58	0.0	103.9	155.9#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



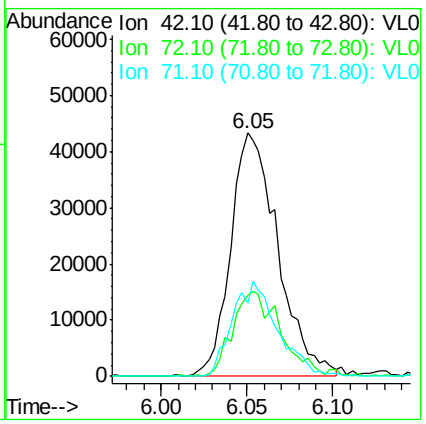


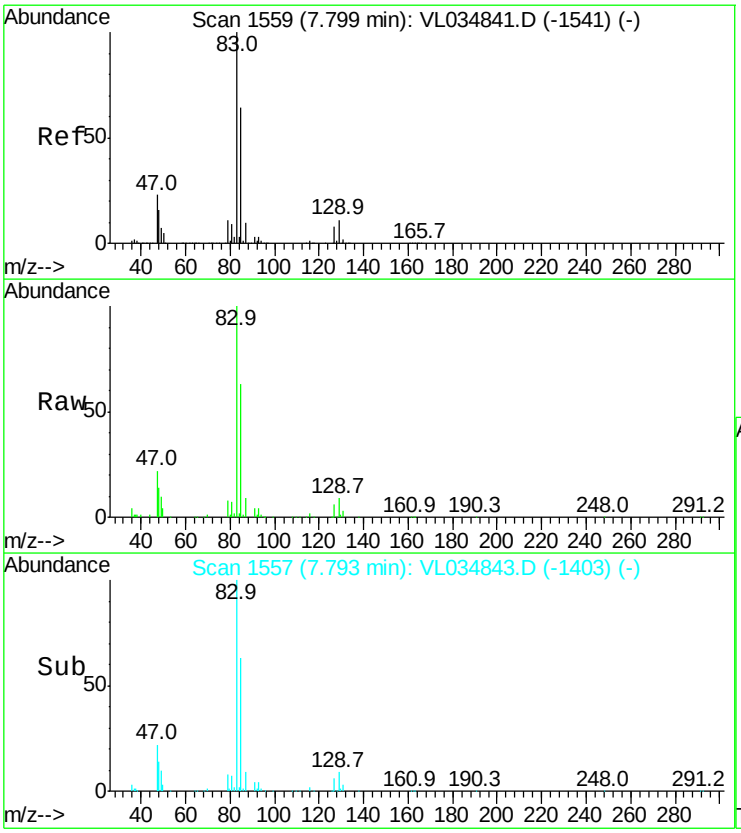
#41
Tetrahydrofuran
Concen: 1.159 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 82383

Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.8	46.2
71	37.5	30.1	45.1

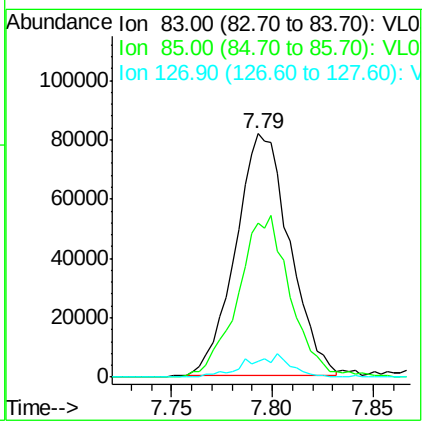


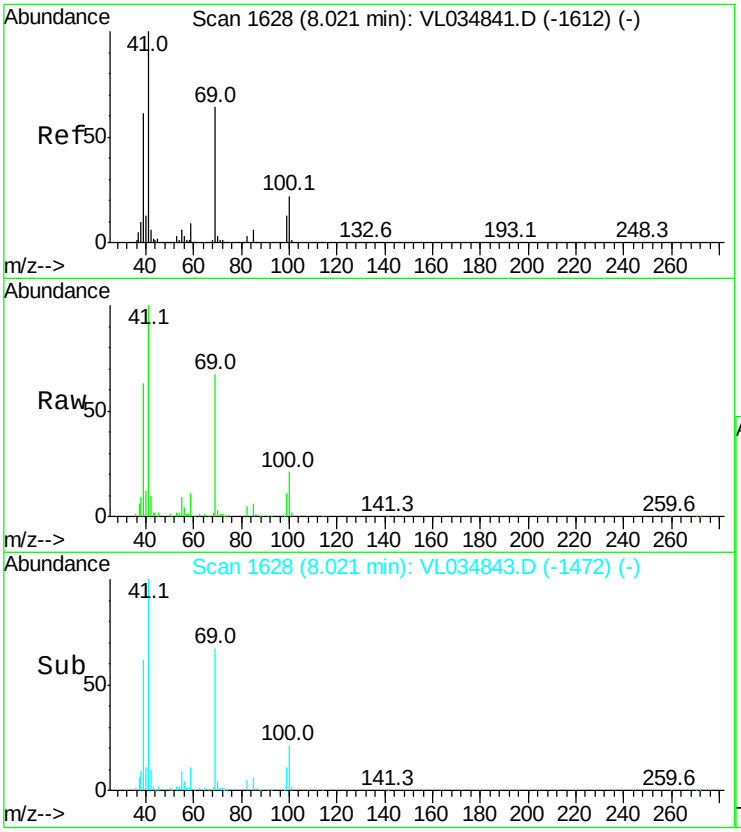


#42
Bromodichloromethane
Concen: 0.965 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 83 Resp: 152631

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.2
127	6.4	6.2	9.4



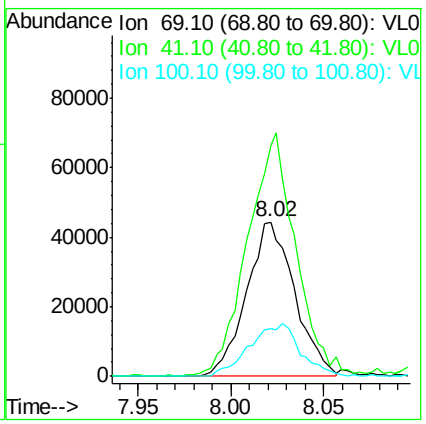


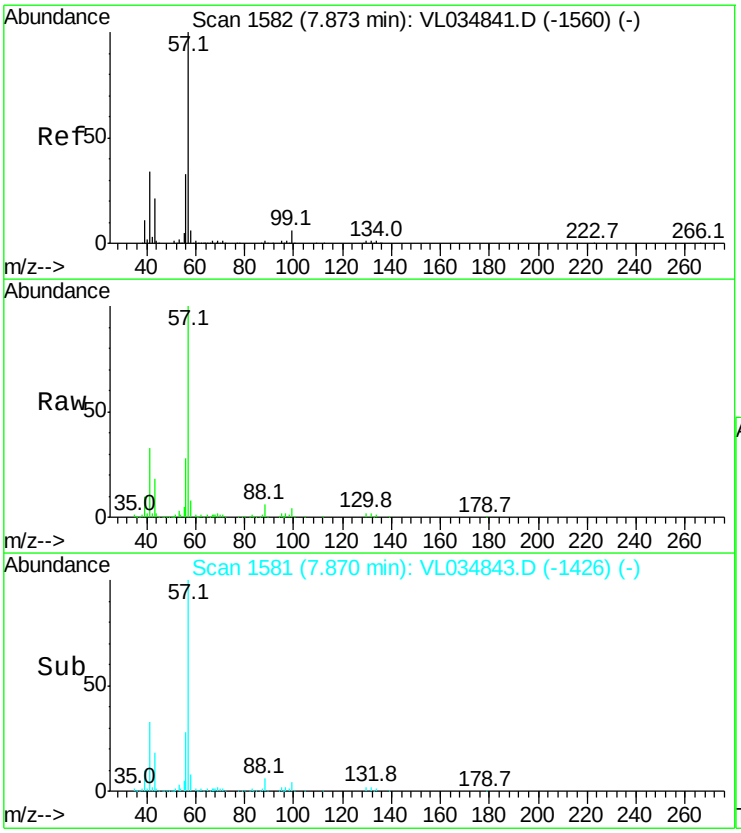
#43
Methyl Methacrylate
Concen: 1.033 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 69 Resp: 80139

Ion	Ratio	Lower	Upper
69	100		
41	159.7	123.2	184.8
100	36.4	26.9	40.3

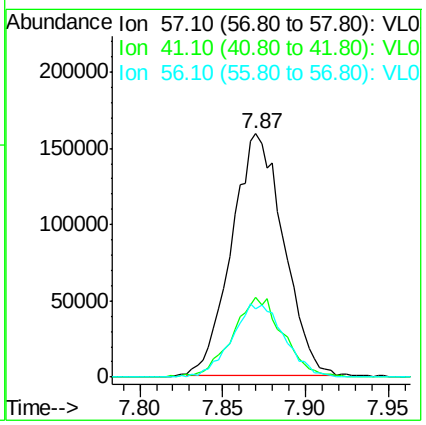


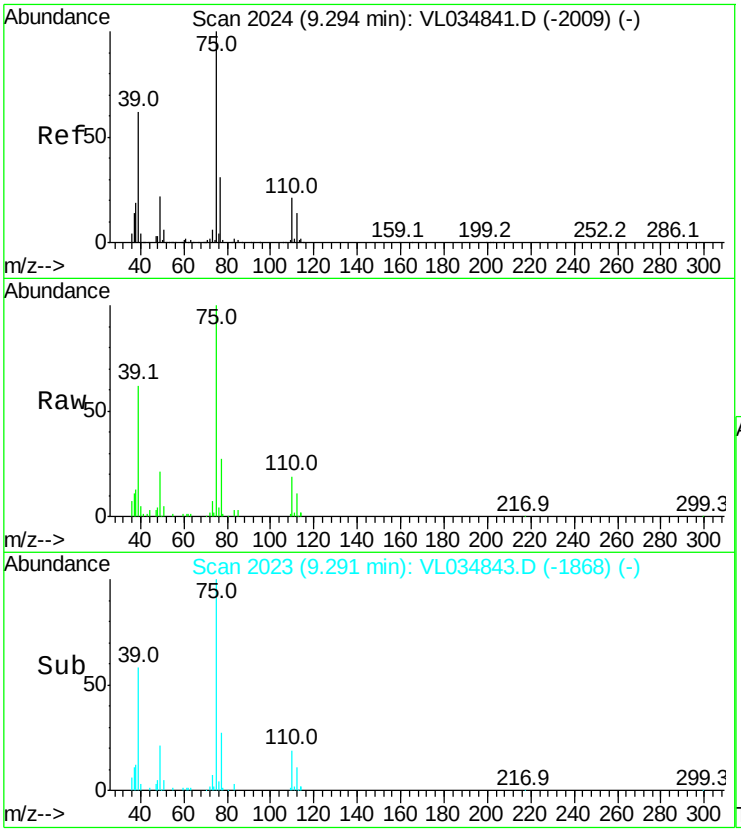


#44
2,2,4-Trimethylpentane
Concen: 1.078 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 57 Resp: 344603

Ion	Ratio	Lower	Upper
57	100		
41	32.4	26.2	39.4
56	30.7	25.0	37.4



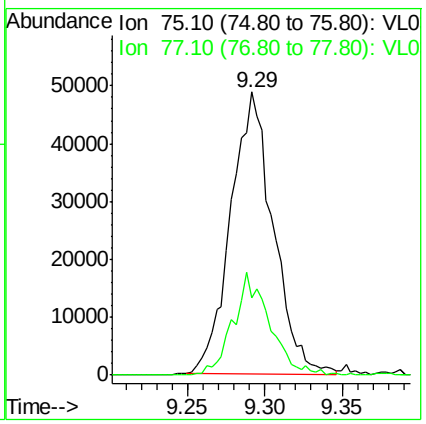


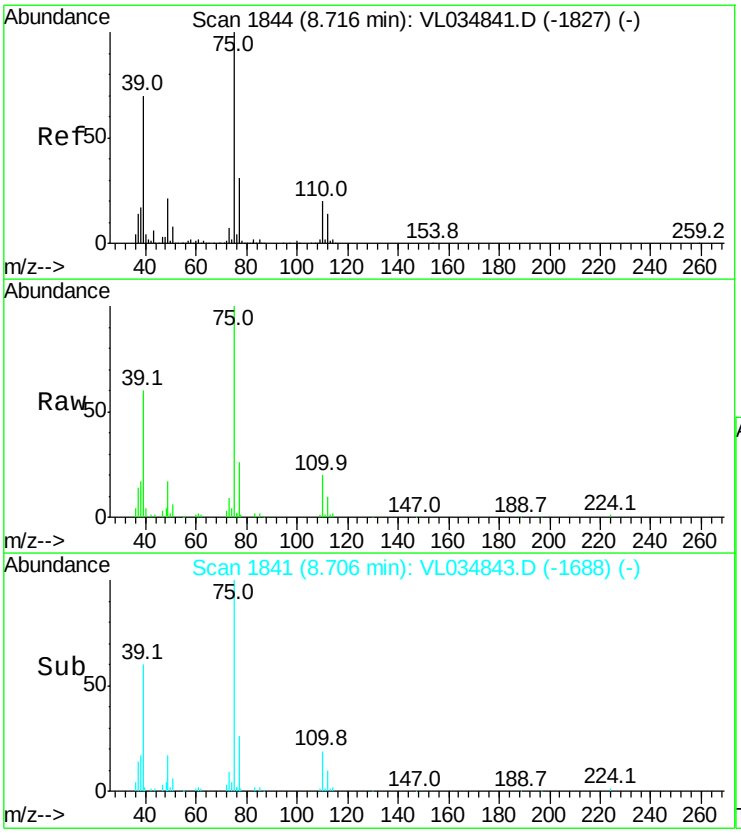
#45
t-1,3-Dichloropropene
Concen: 1.144 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 75 Resp: 93110

Ion	Ratio	Lower	Upper
75	100		
77	27.1	24.6	37.0

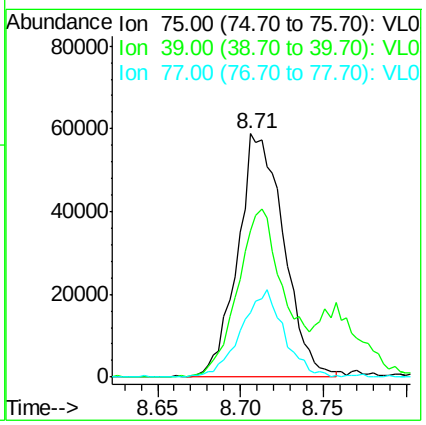


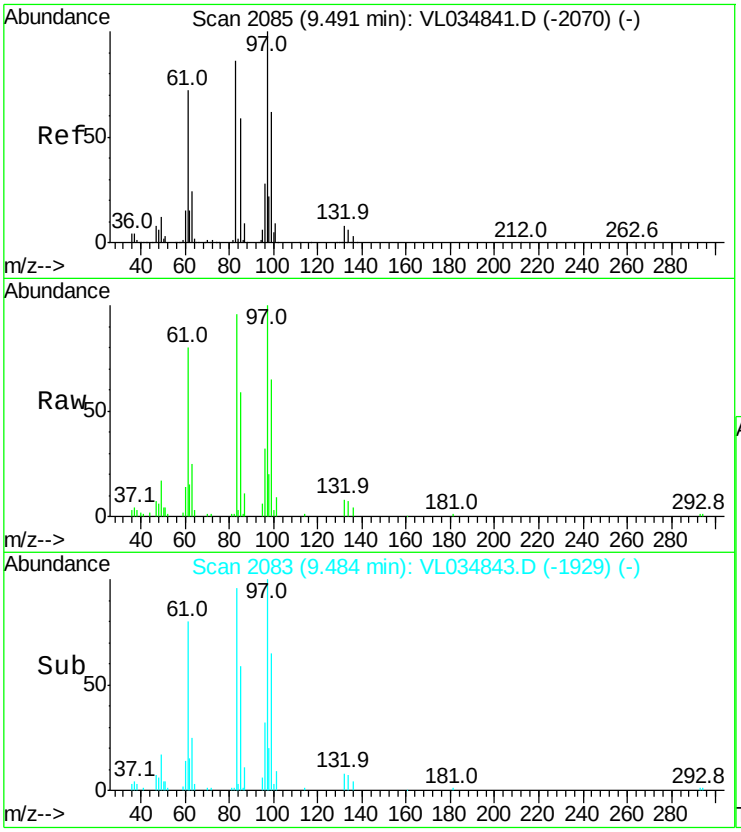


#46
cis-1,3-Dichloropropene
Concen: 1.142 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 75 Resp: 113556

Ion	Ratio	Lower	Upper
75	100		
39	60.2	55.7	83.5
77	26.5	24.7	37.1



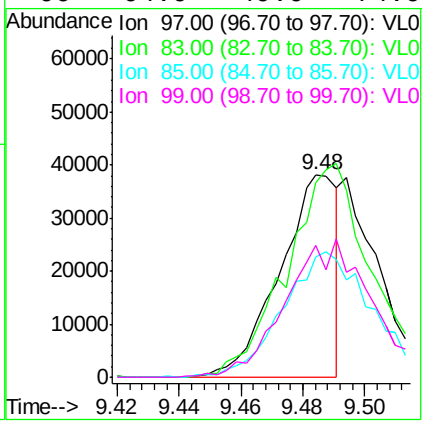


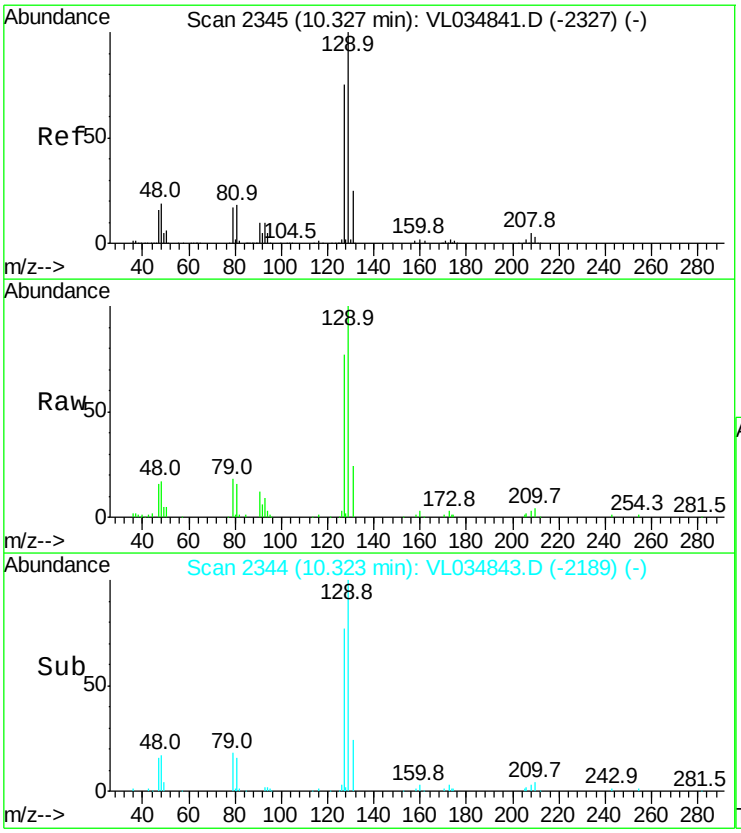
#47
1,1,2-Trichloroethane
Concen: 0.627 ppbv
RT: 9.48 min Scan# 2083
Delta R.T. -0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 97 Resp: 48917

Ion	Ratio	Lower	Upper
97	100		
83	95.9	68.6	102.8
85	59.4	46.9	70.3
99	64.9	49.9	74.9

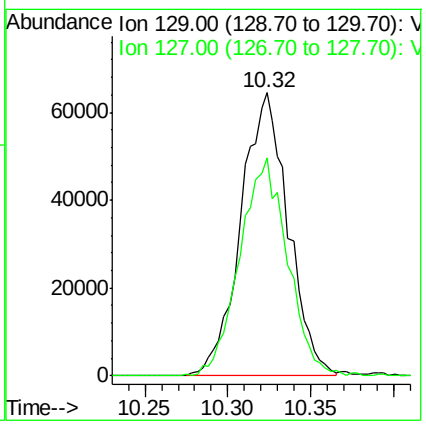


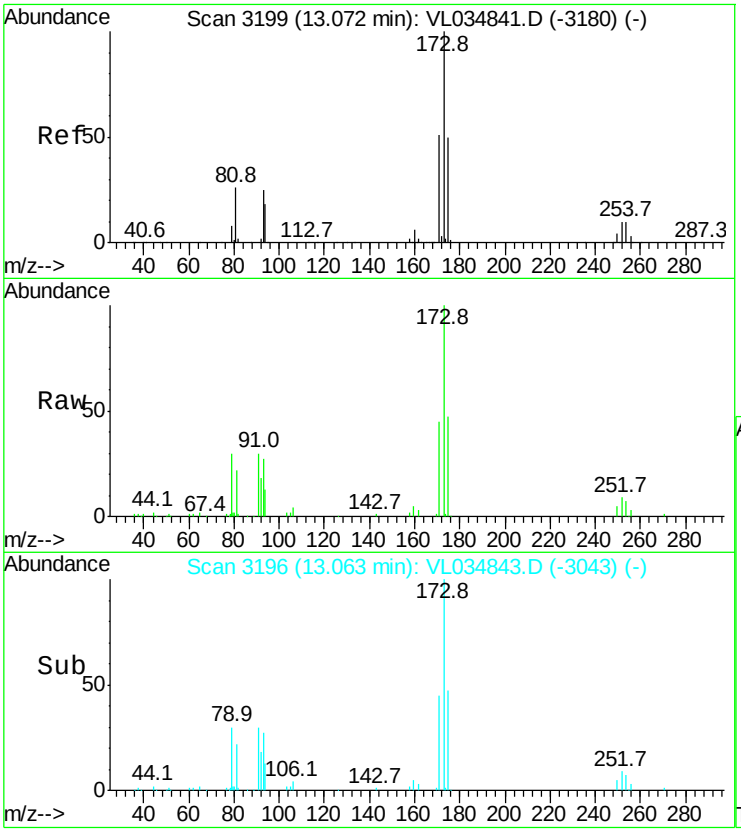


#48
Dibromochloromethane
Concen: 1.047 ppbv
RT: 10.32 min Scan# 2344
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:129 Resp: 127690

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.6	118.7



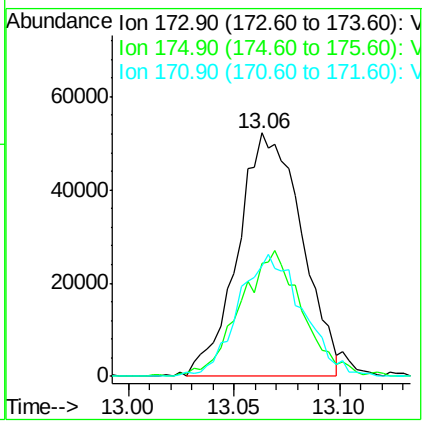


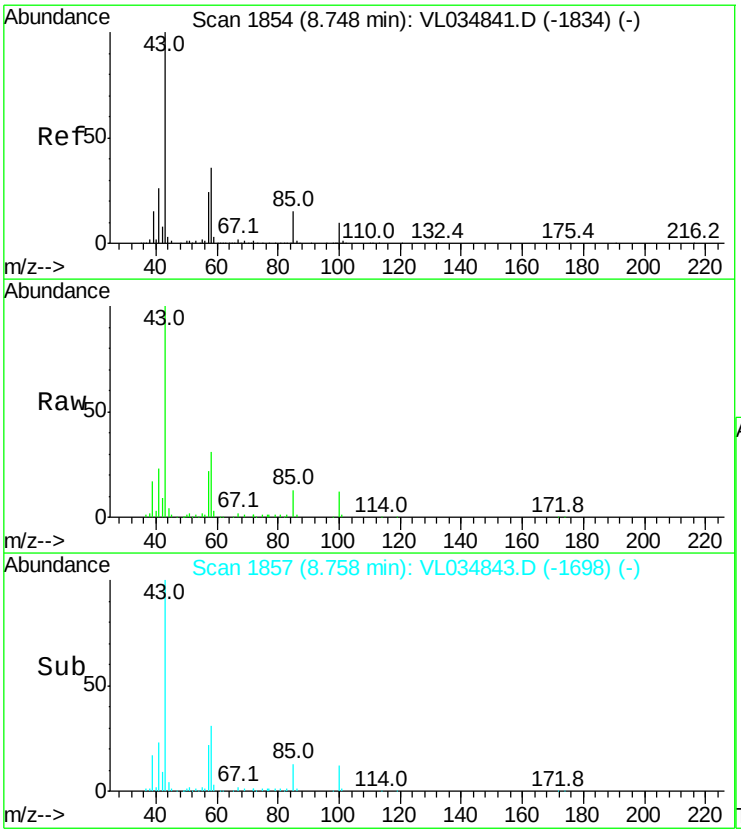
#49
Bromoform
Concen: 1.036 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. -0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:173 Resp: 110229

Ion	Ratio	Lower	Upper
173	100		
175	50.7	39.6	59.4
171	50.4	41.0	61.6

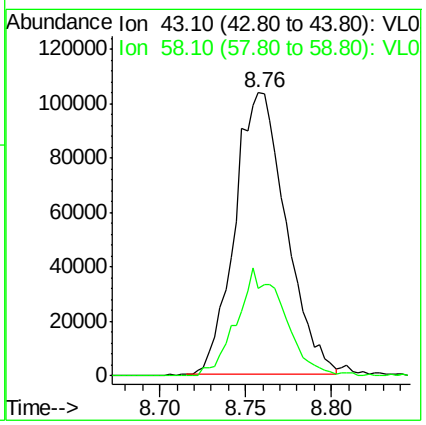


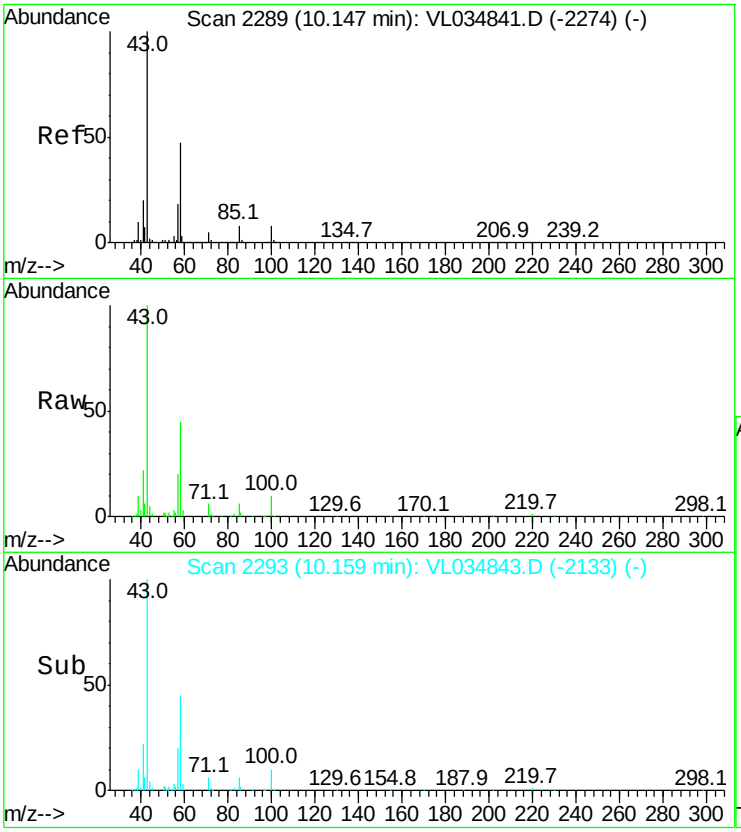


#50
4-Methyl-2-Pentanone
Concen: 1.079 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 43 Resp: 215499

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.6	42.8



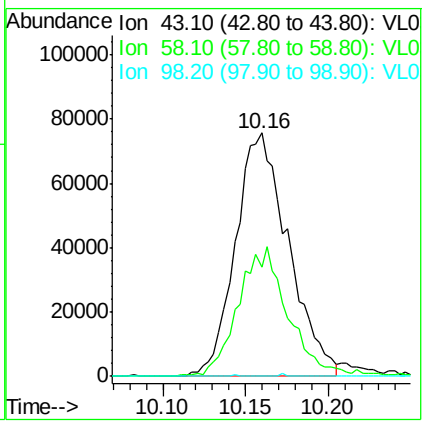


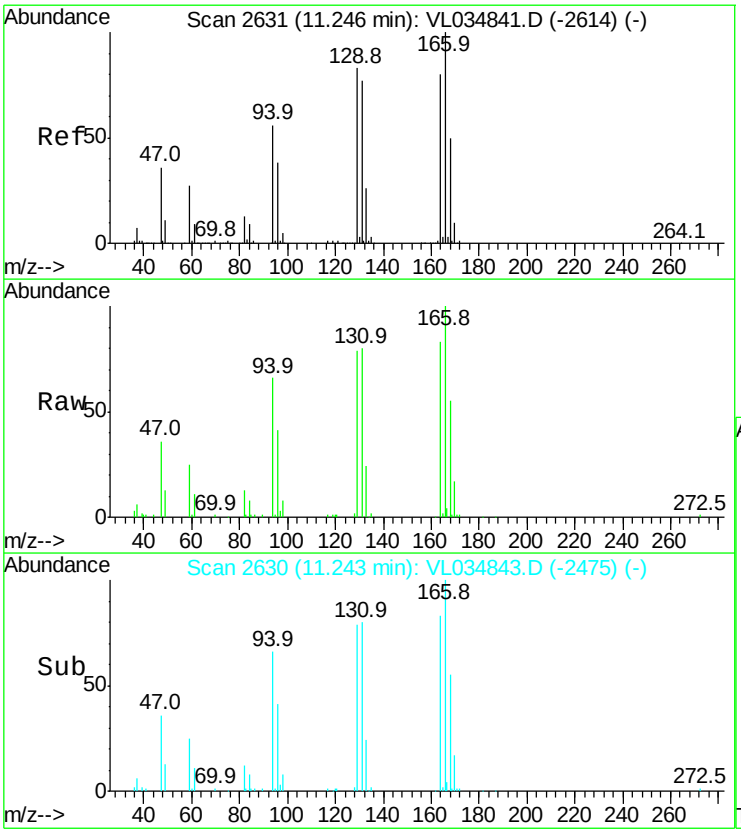
#51
2-Hexanone
Concen: 1.070 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 167640

Ion	Ratio	Lower	Upper
43	100		
58	51.0	38.6	58.0
98	0.2	0.1	0.1#

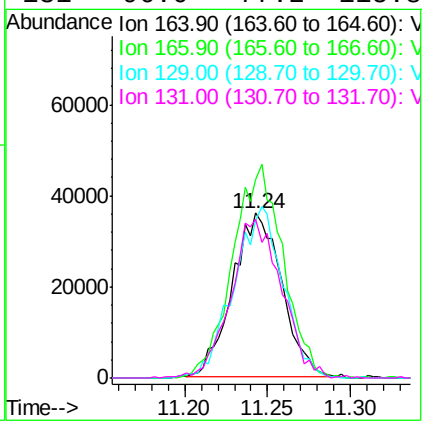


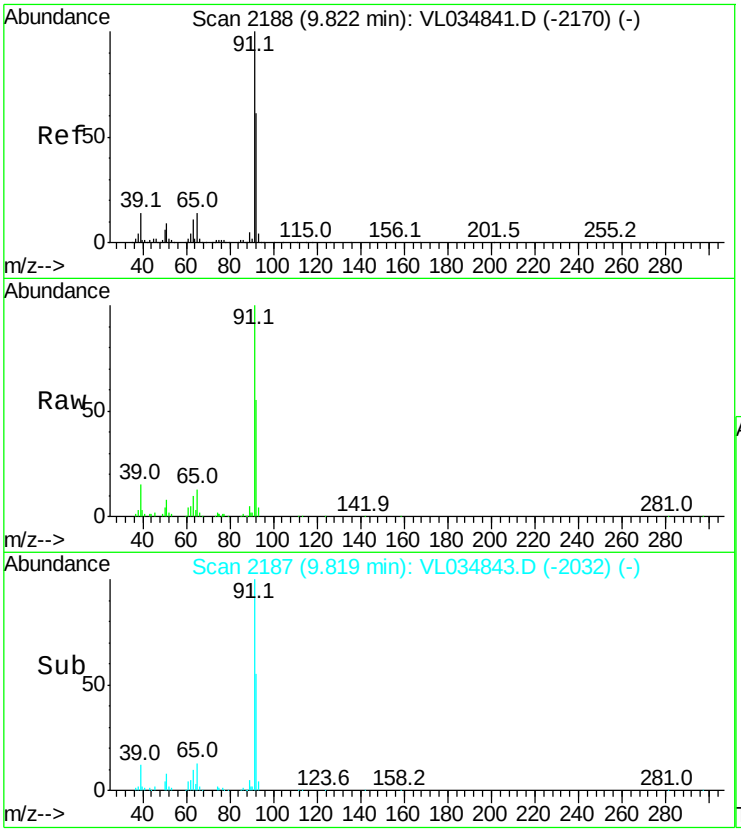


#52
Tetrachloroethene
Concen: 1.111 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:164 Resp: 75119

Ion	Ratio	Lower	Upper
164	100		
166	119.8	100.0	150.0
129	95.8	83.1	124.7
131	96.0	77.2	115.8



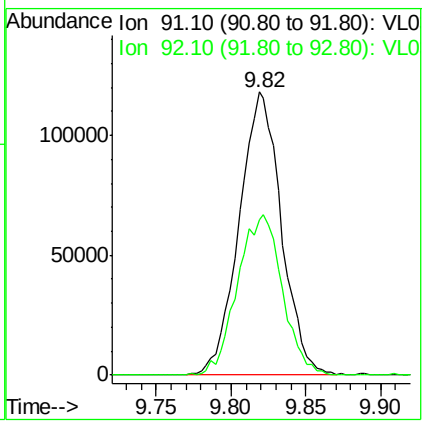


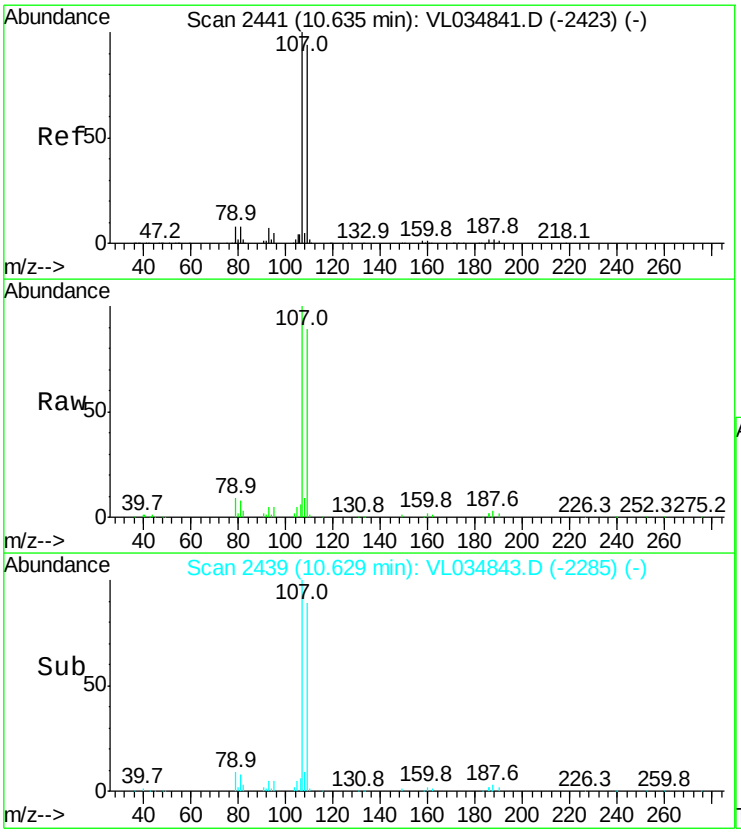
#53
Toluene
Concen: 1.194 ppbv
RT: 9.82 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 231340

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.6	72.8

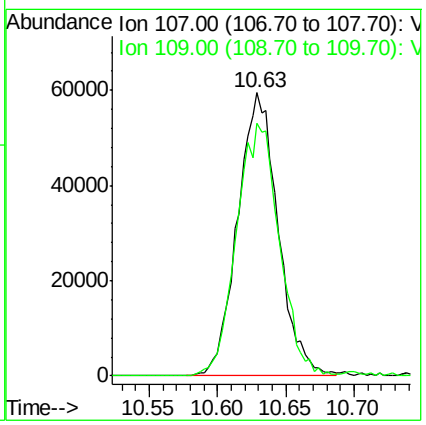


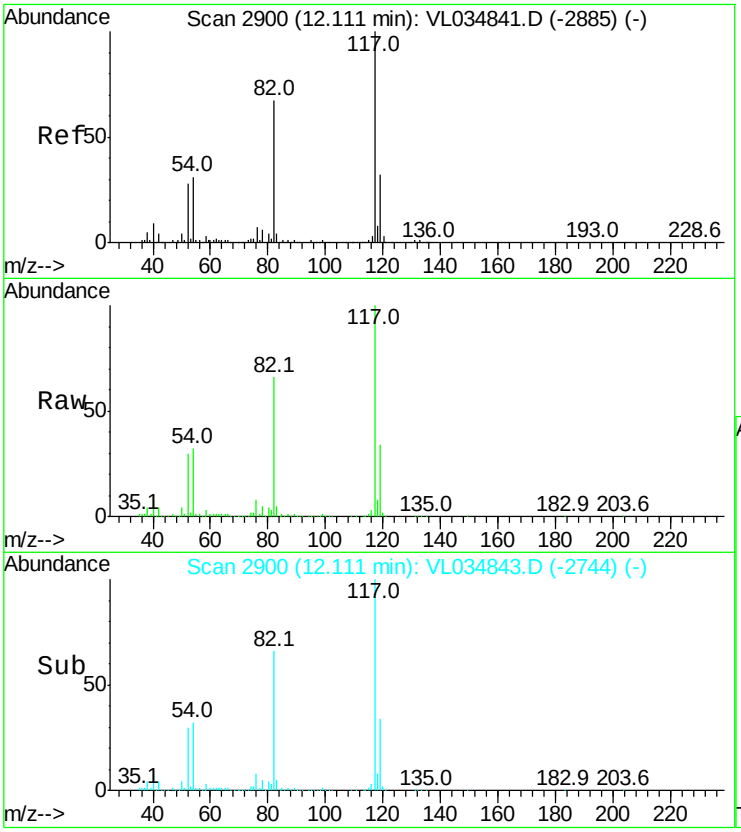


#54
1,2-Dibromoethane
Concen: 1.060 ppbv
RT: 10.63 min Scan# 2439
Delta R.T. -0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:107 Resp: 122240

Ion	Ratio	Lower	Upper
107	100		
109	89.4	74.9	112.3



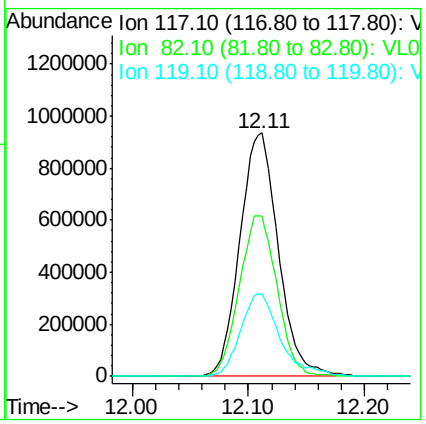


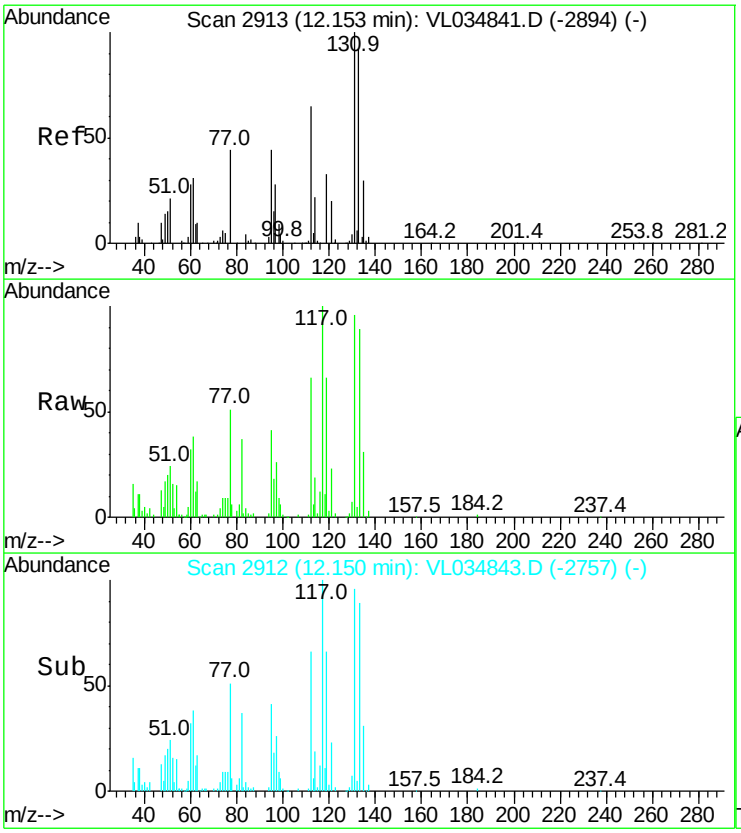
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 2158837

Ion	Ratio	Lower	Upper
117	100		
82	64.8	51.1	76.7
119	35.1	27.3	40.9

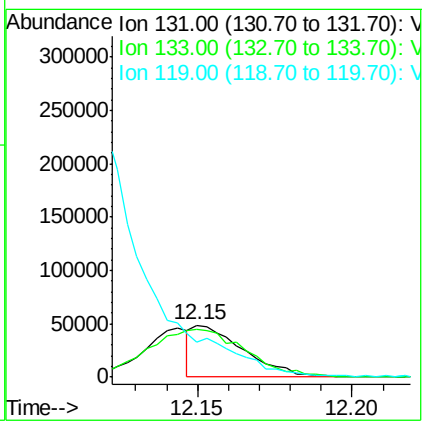


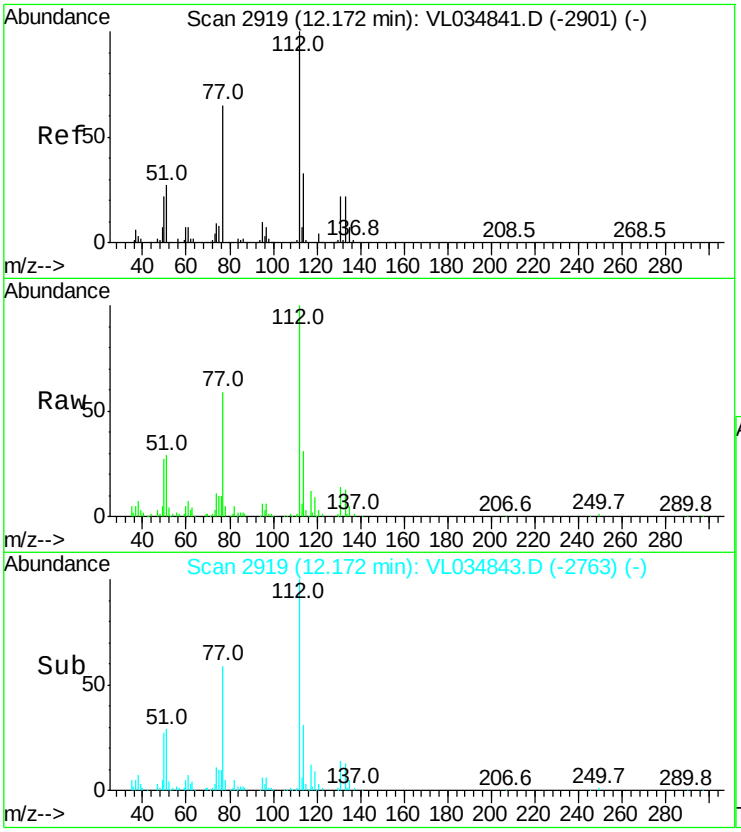


#56
1,1,1,2-Tetrachloroethane
Concen: 0.578 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:131 Resp: 55314

Ion	Ratio	Lower	Upper
131	100		
133	182.4	76.0	114.0#
119	0.0	47.8	71.8#



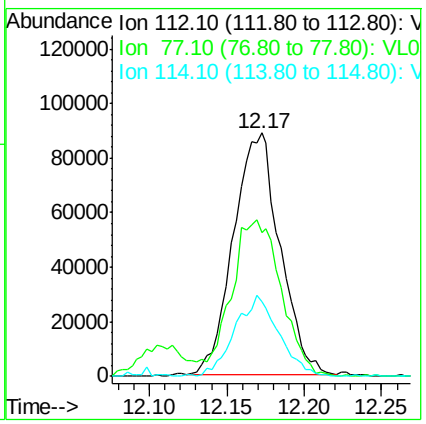


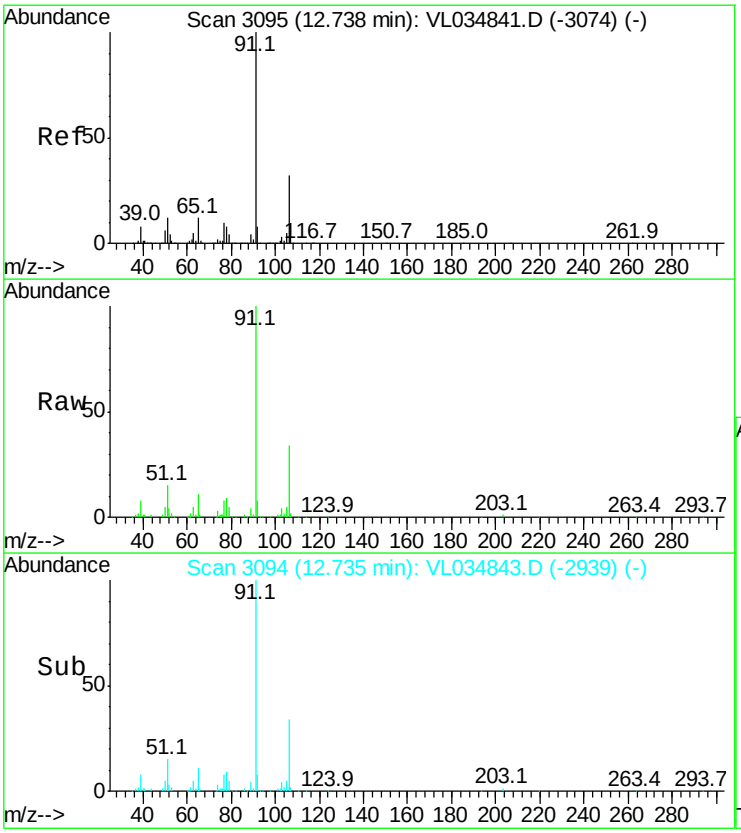
#57
Chlorobenzene
Concen: 1.125 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:112 Resp: 185460

Ion	Ratio	Lower	Upper
112	100		
77	59.2	53.0	79.6
114	30.8	29.5	36.1

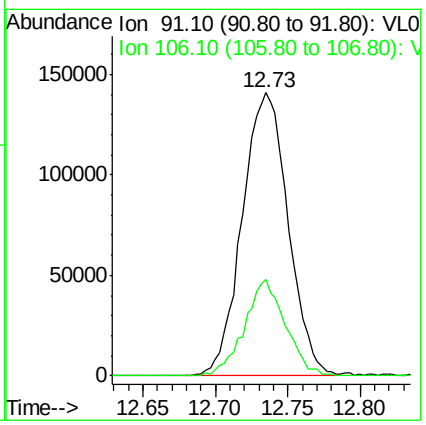


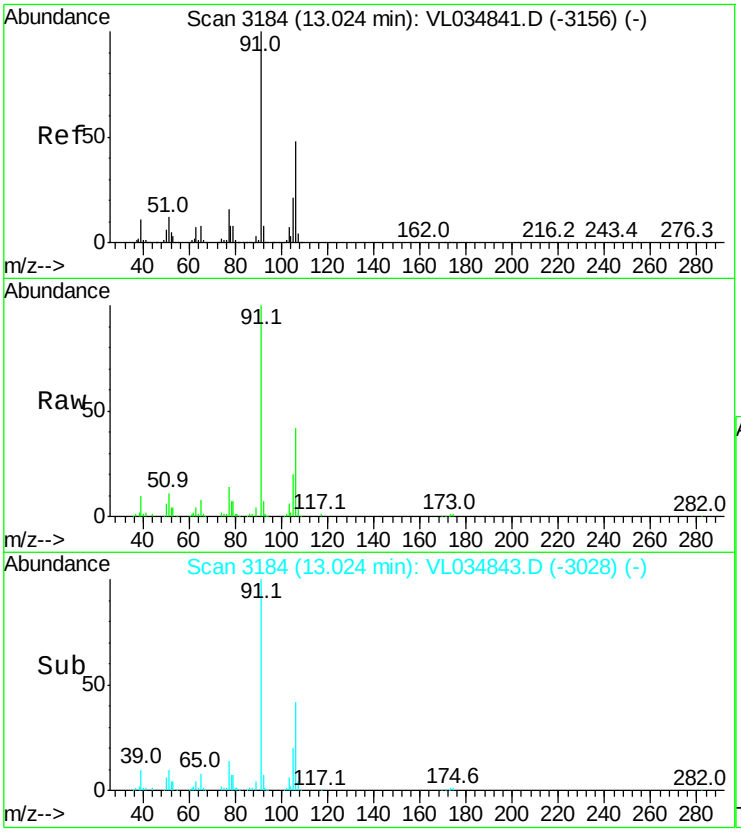


#58
Ethyl Benzene
Concen: 1.165 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 91 Resp: 309899

Ion	Ratio	Lower	Upper
91	100		
106	34.3	25.8	38.6



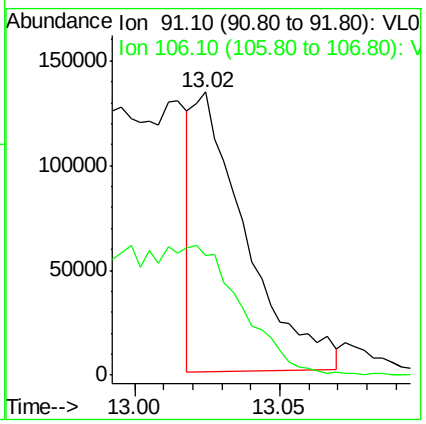


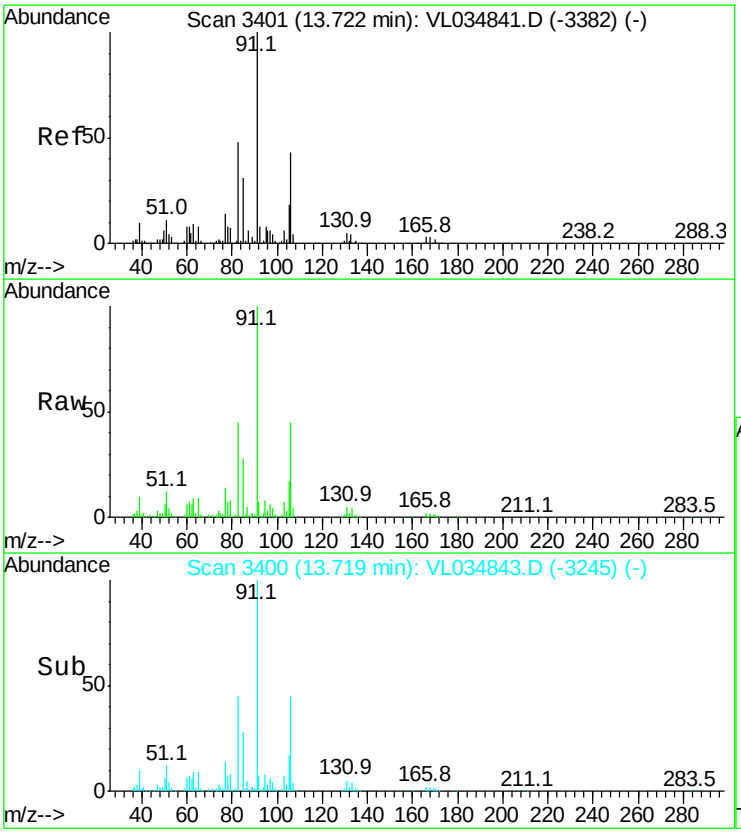
#59
m/p-Xylene
Concen: 0.733 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 168700

Ion	Ratio	Lower	Upper
91	100		
106	139.9	37.1	55.7#

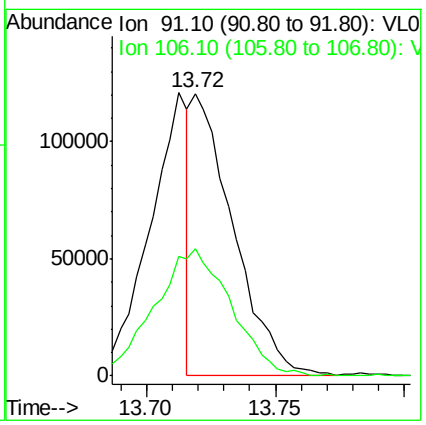


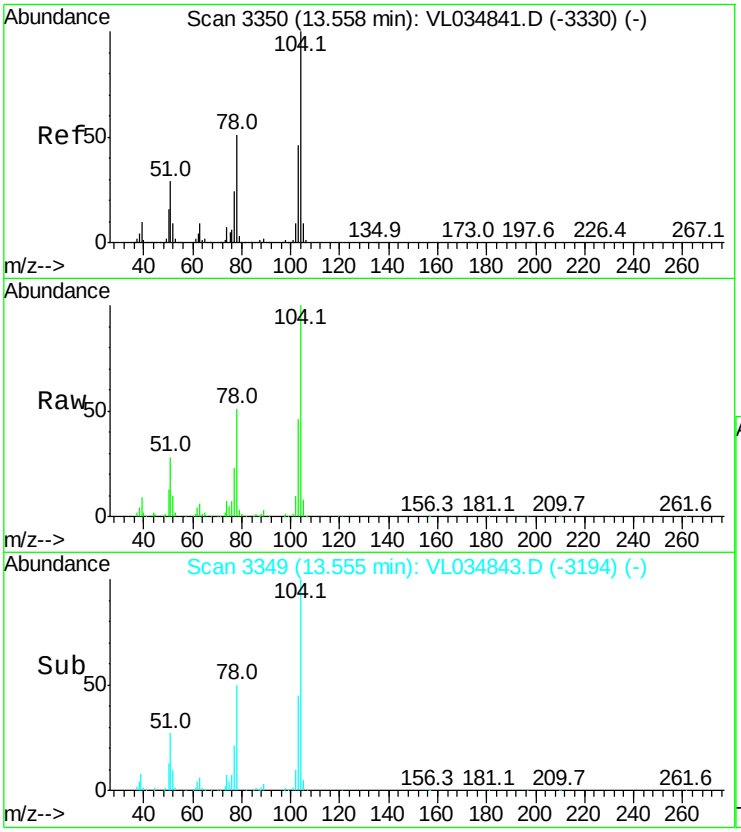


#60
o-Xylene
Concen: 0.576 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 91 Resp: 134307

Ion	Ratio	Lower	Upper
91	100		
106	84.1	22.5	67.5#



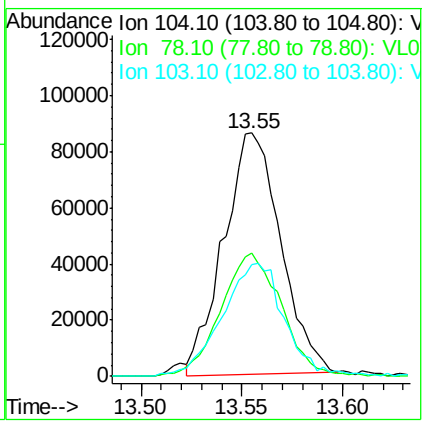


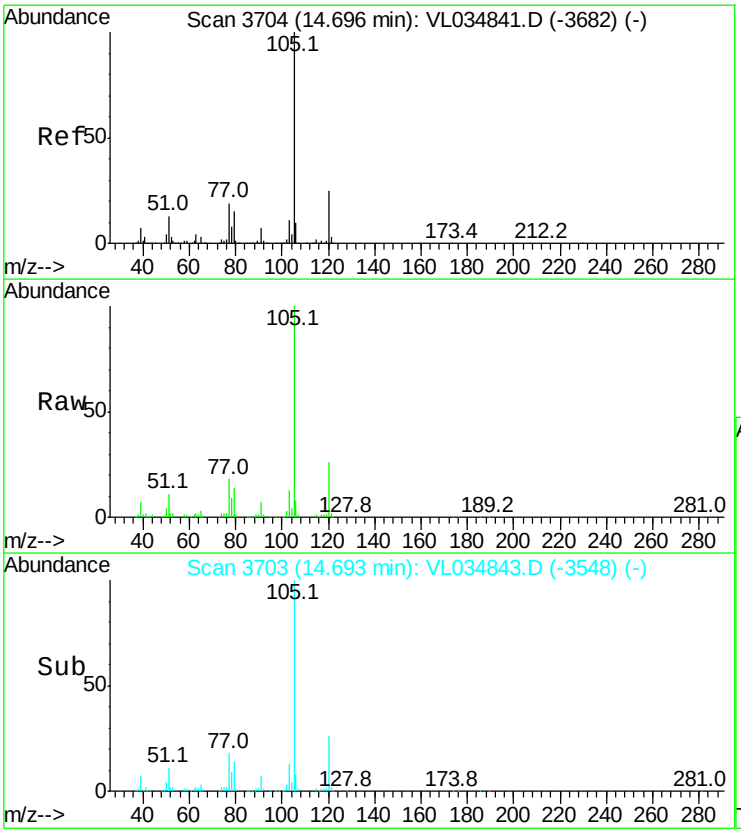
#61
Styrene
Concen: 1.174 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 169696

Ion	Ratio	Lower	Upper
104	100		
78	54.3	41.8	62.6
103	51.5	37.8	56.6

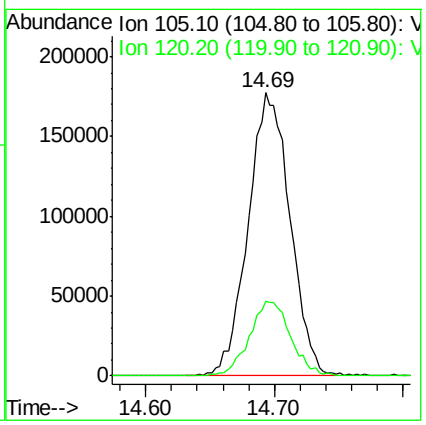


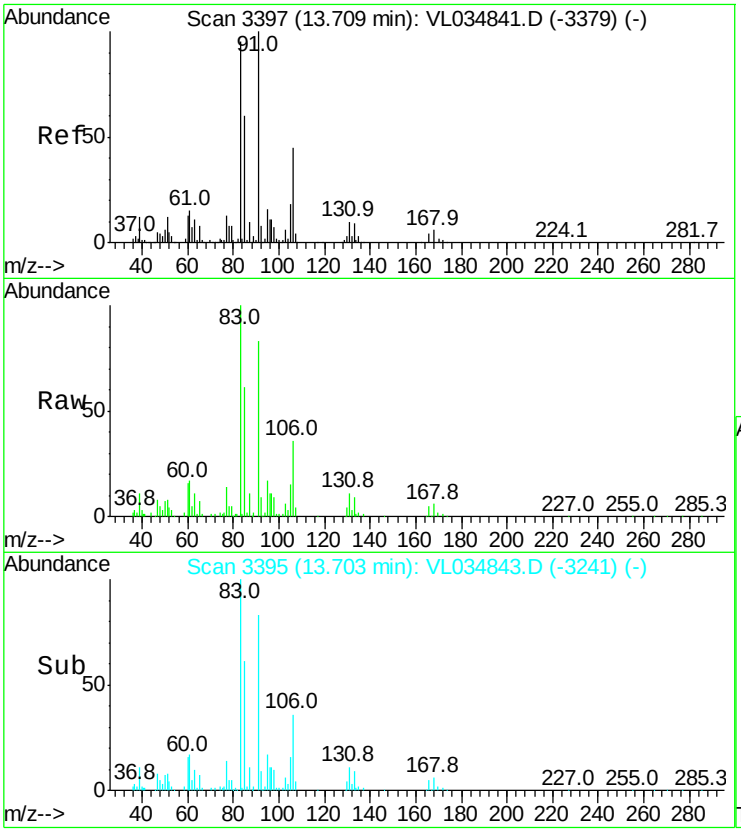


#62
Isopropylbenzene
Concen: 1.167 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:105 Resp: 400163

Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.0	31.4



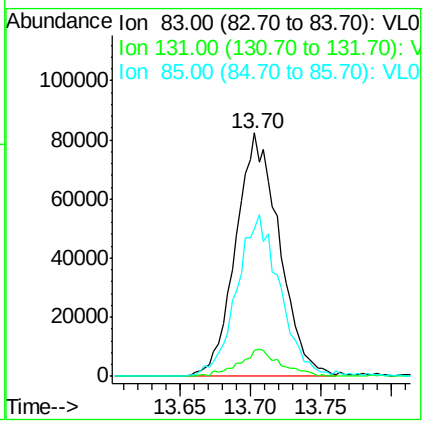


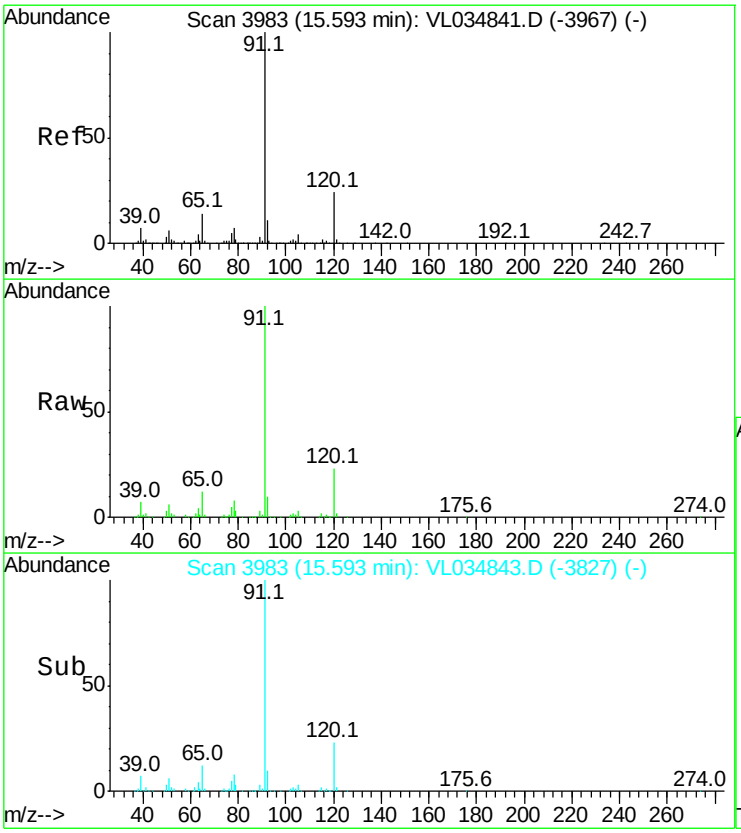
#63
1,1,2,2-Tetrachloroethane
Concen: 0.969 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 178029

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.0	14.9
85	66.6	32.4	97.2

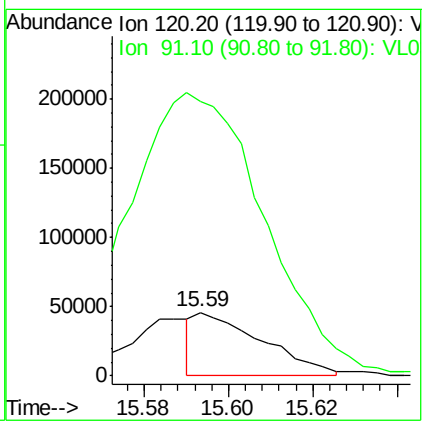


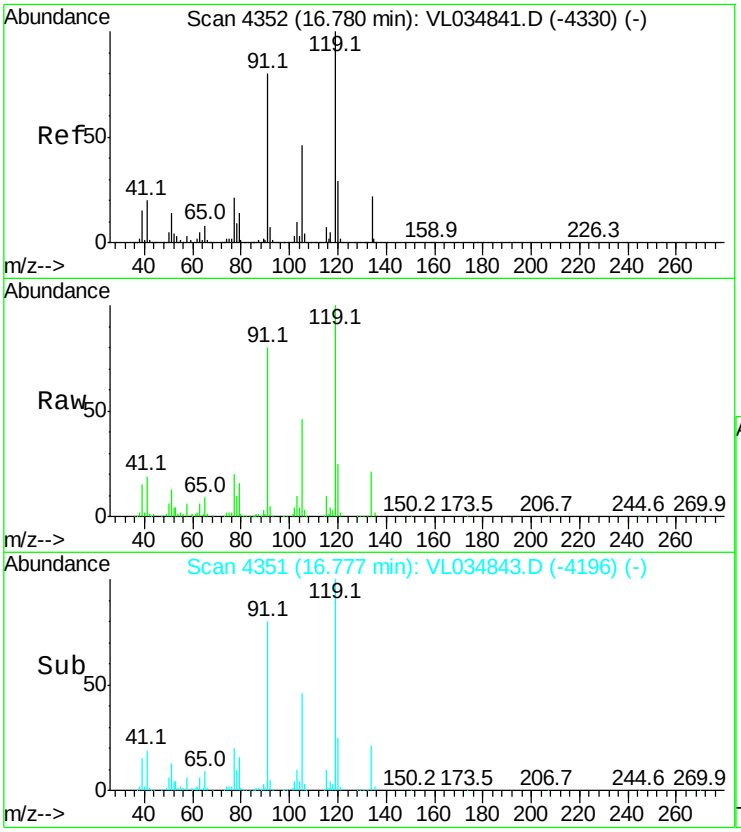


#64
n-propylbenzene
Concen: 0.591 ppbv
RT: 15.59 min Scan# 3983
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:120 Resp: 50840

Ion	Ratio	Lower	Upper
120	100		
91	0.0	360.9	541.3#



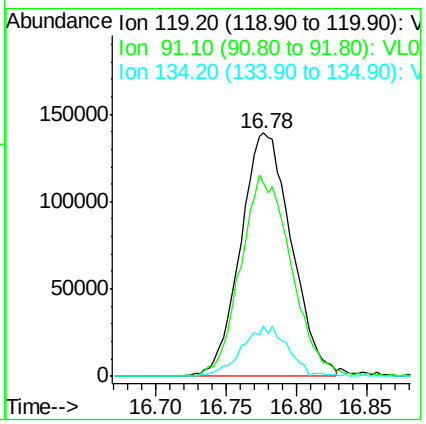


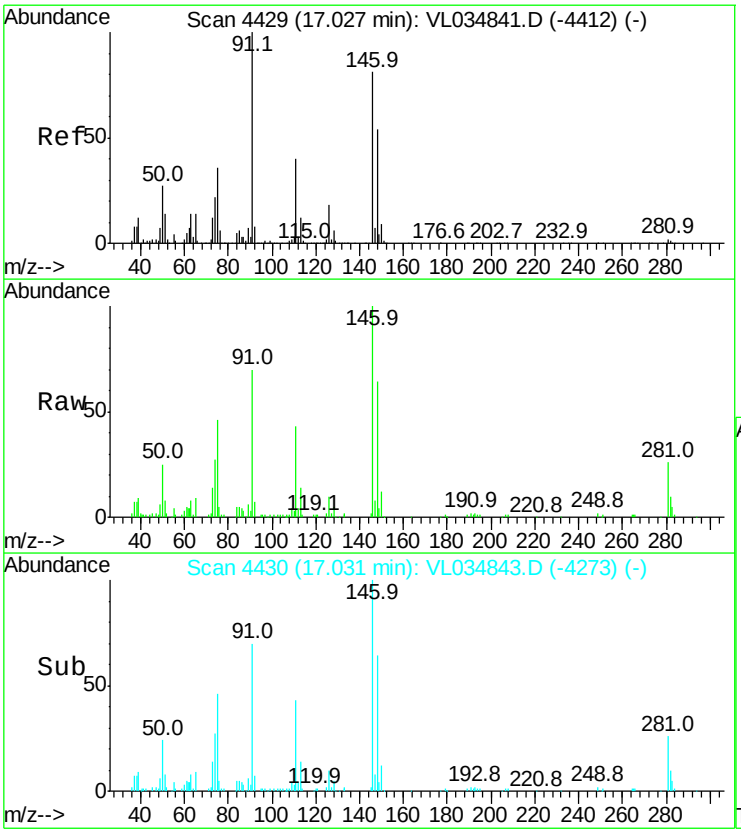
#65
tert-Butylbenzene
Concen: 1.207 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 349883

Ion	Ratio	Lower	Upper
119	100		
91	83.0	64.9	97.3
134	19.0	15.9	23.9

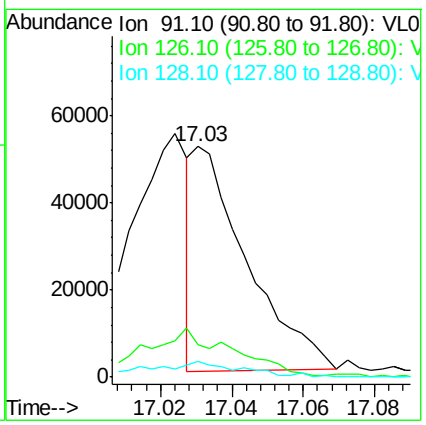


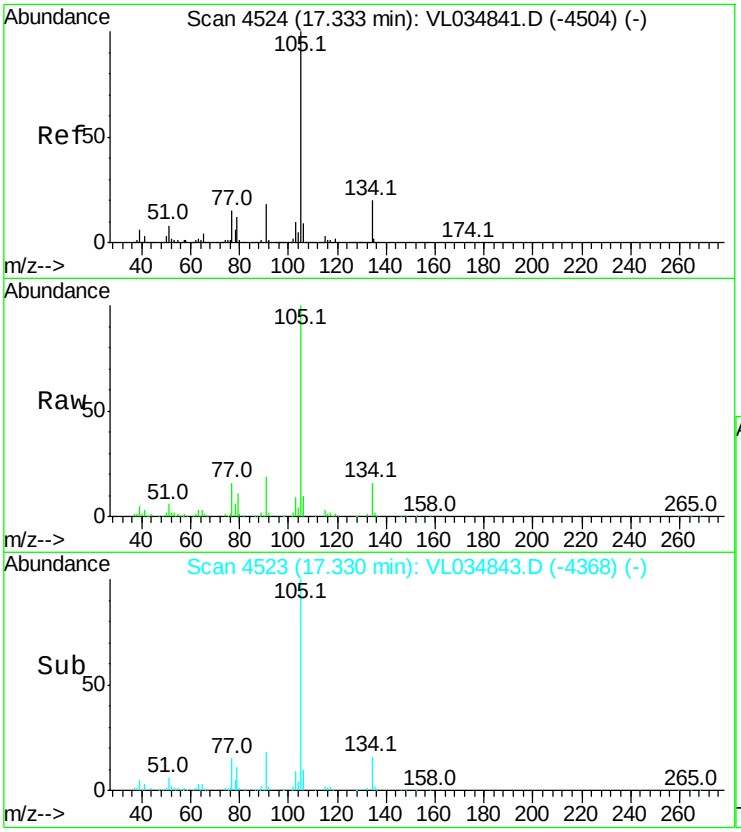


#66
Benzyl Chloride
Concen: 0.569 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 91 Resp: 53323

Ion	Ratio	Lower	Upper
91	100		
126	40.4	14.7	22.1#
128	13.2	4.7	7.1#



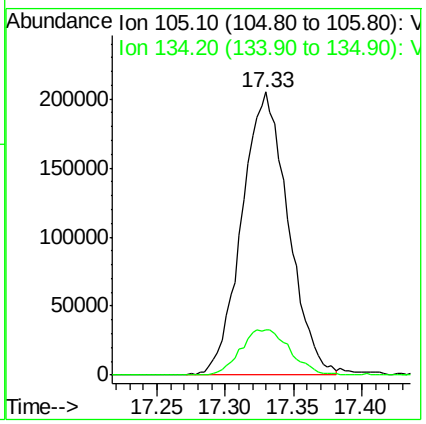


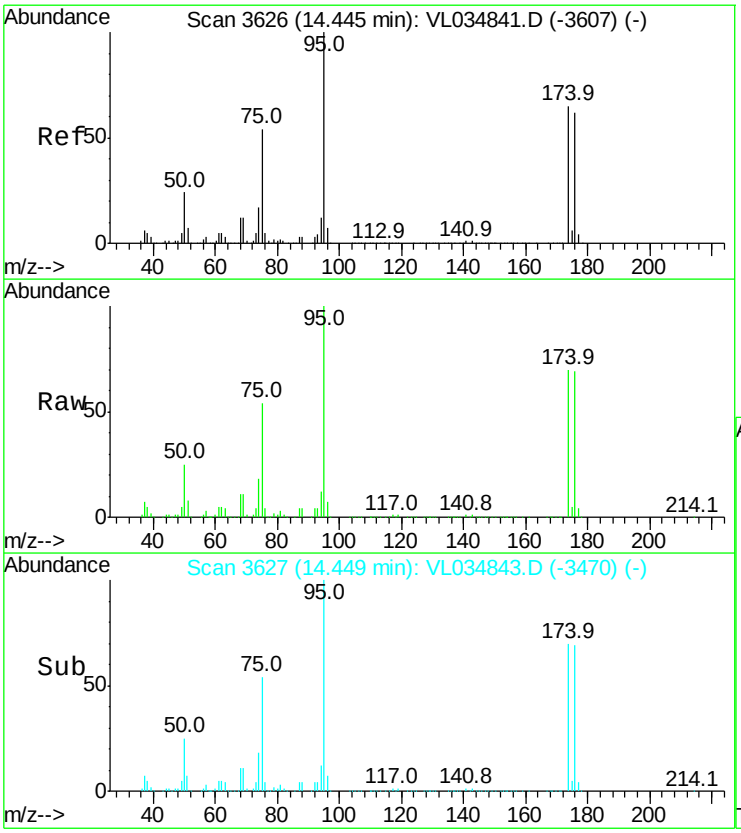
#67
sec-Butylbenzene
Concen: 1.147 ppbv
RT: 17.33 min Scan# 4523
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 484358

Ion	Ratio	Lower	Upper
105	100		
134	17.3	15.0	22.6

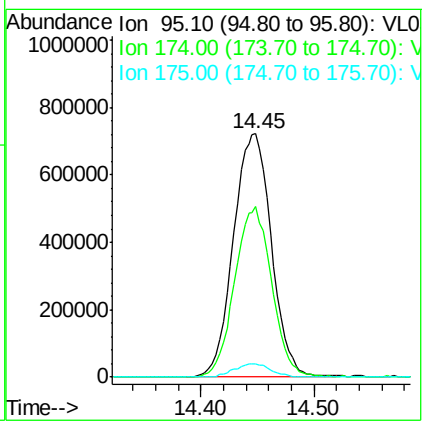


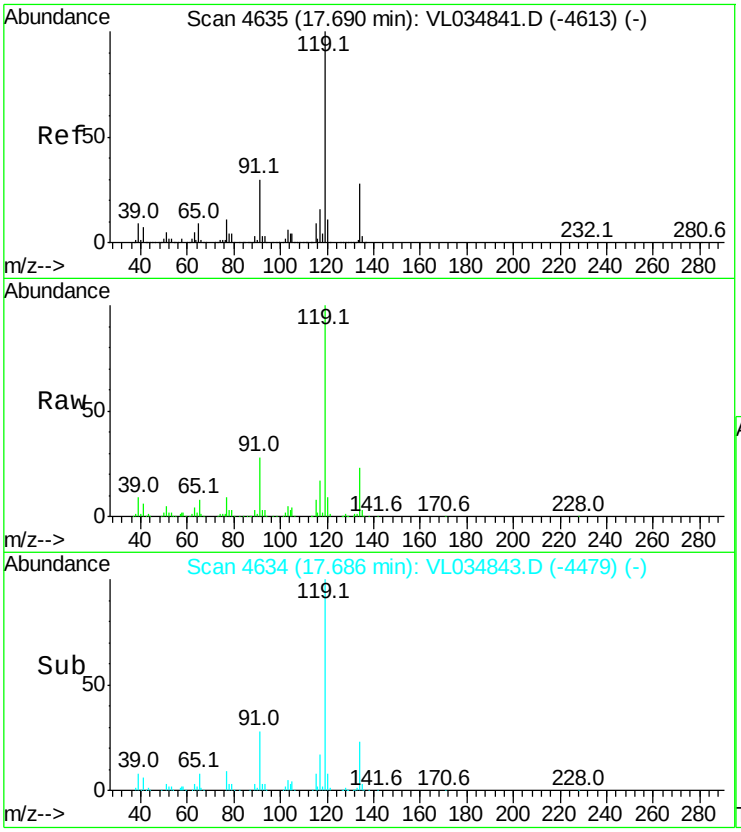


#68
1-Bromo-4-Fluorobenzene
Concen: 9.380 ppbv
RT: 14.45 min Scan# 3627
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 95 Resp: 1688527

Ion	Ratio	Lower	Upper
95	100		
174	68.4	55.2	82.8
175	5.3	4.3	6.5



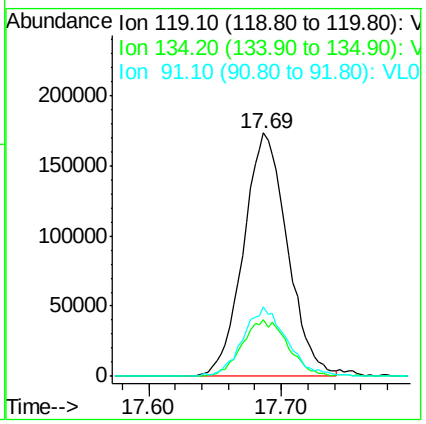


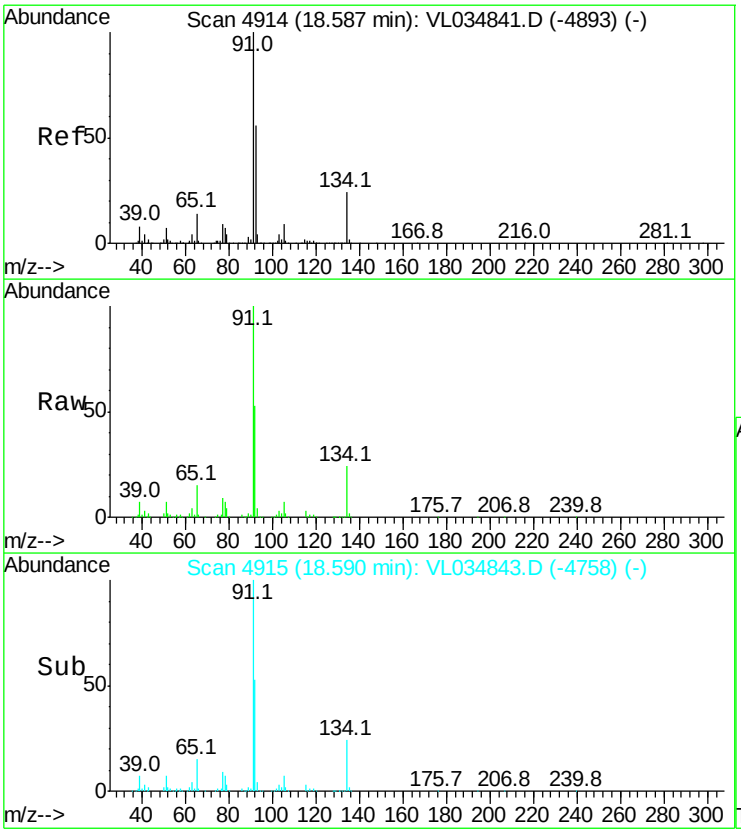
#69
p-Isopropyltoluene
Concen: 1.170 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:119 Resp: 399981

Ion	Ratio	Lower	Upper
119	100		
134	24.4	20.6	30.8
91	28.5	23.4	35.2

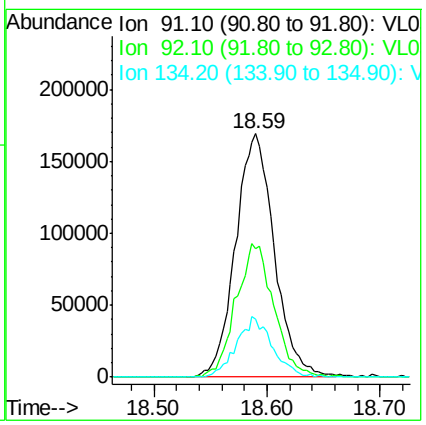


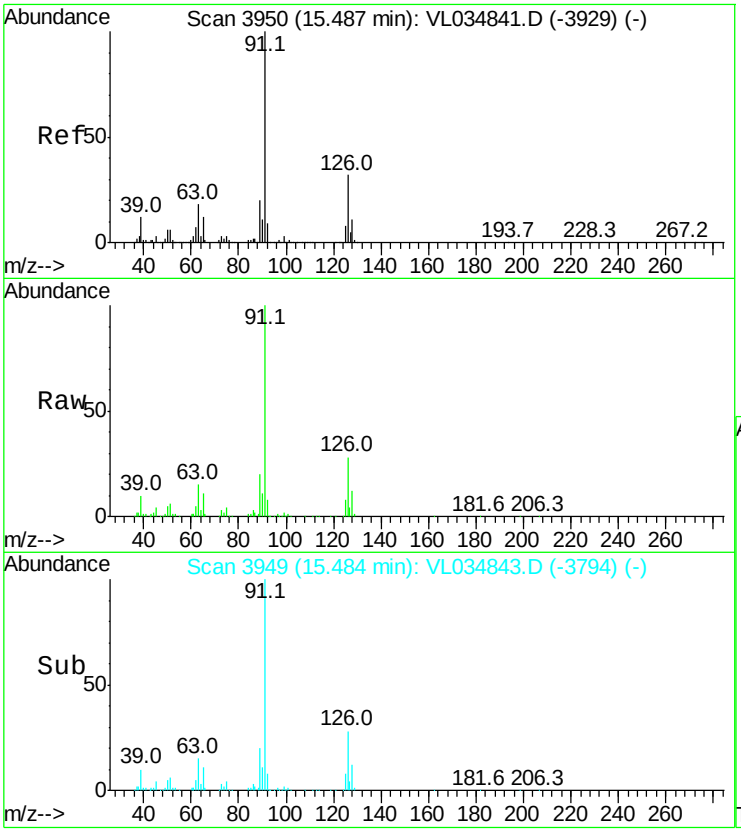


#70
n-Butylbenzene
Concen: 1.079 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion: 91 Resp: 403150

Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.8	65.6
134	22.9	19.0	28.4



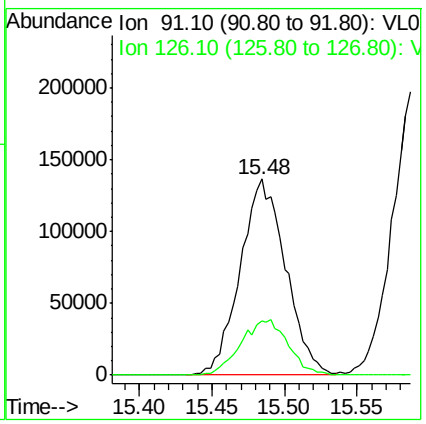


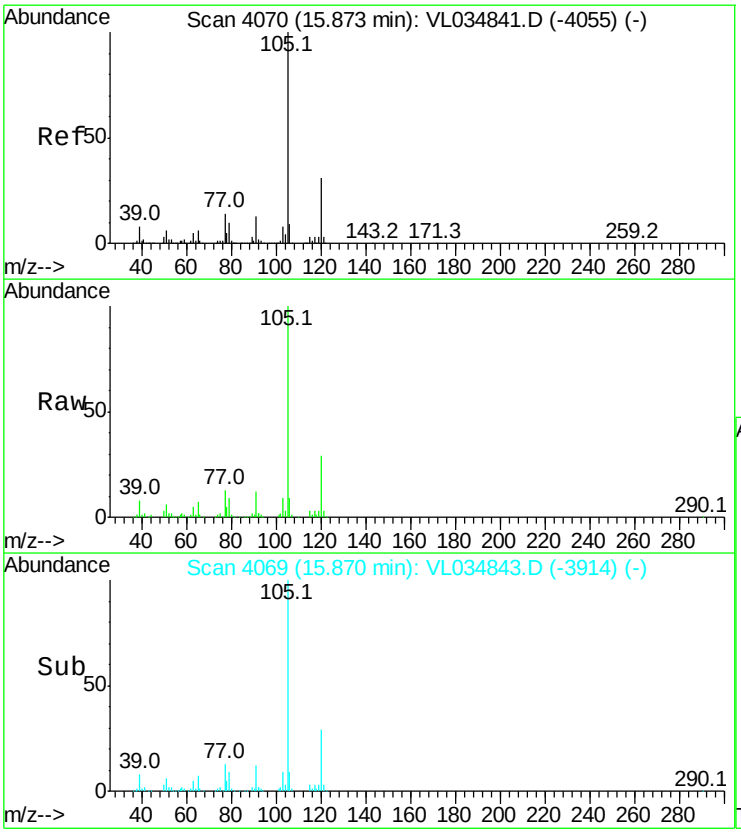
#71
2-Chlorotoluene
Concen: 1.152 ppbv
RT: 15.48 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 298443

Ion	Ratio	Lower	Upper
91	100		
126	29.5	12.3	49.1

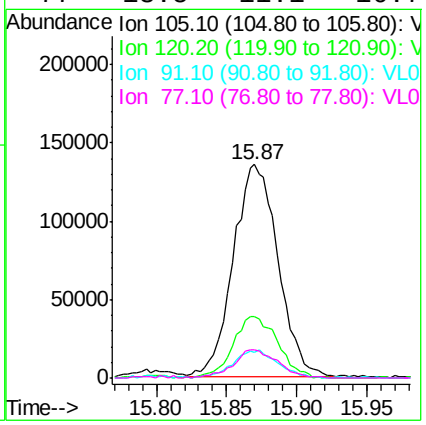


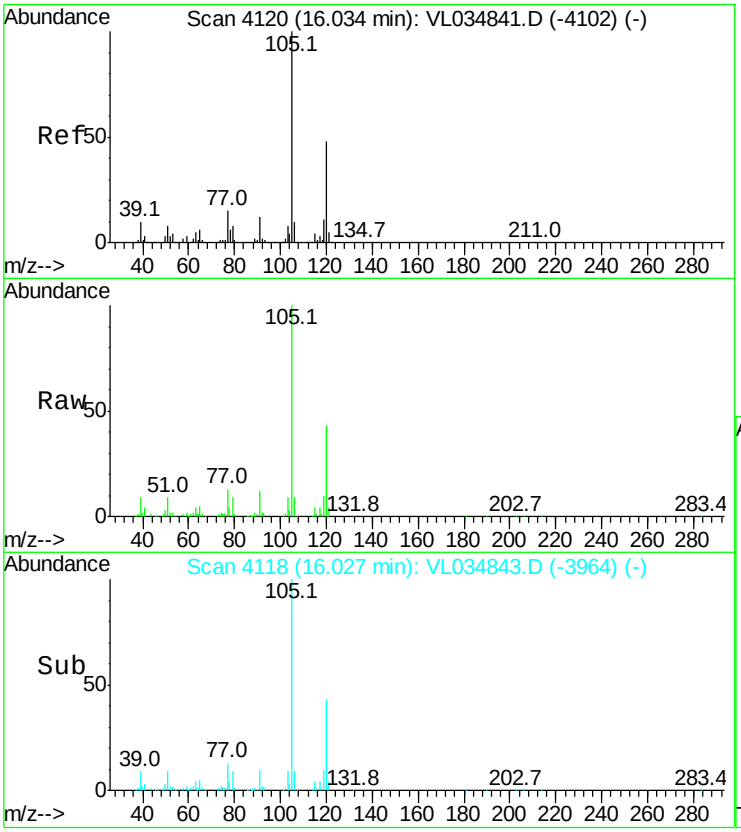


#72
4-Ethyltoluene
Concen: 1.150 ppbv
RT: 15.87 min Scan# 4069
Delta R.T. -0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:105 Resp: 298408

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.7	35.5
91	14.0	10.5	15.7
77	13.5	11.1	16.7



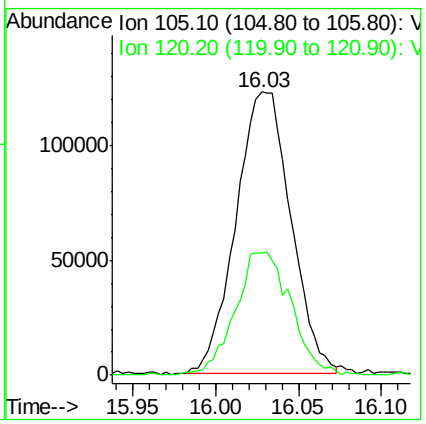


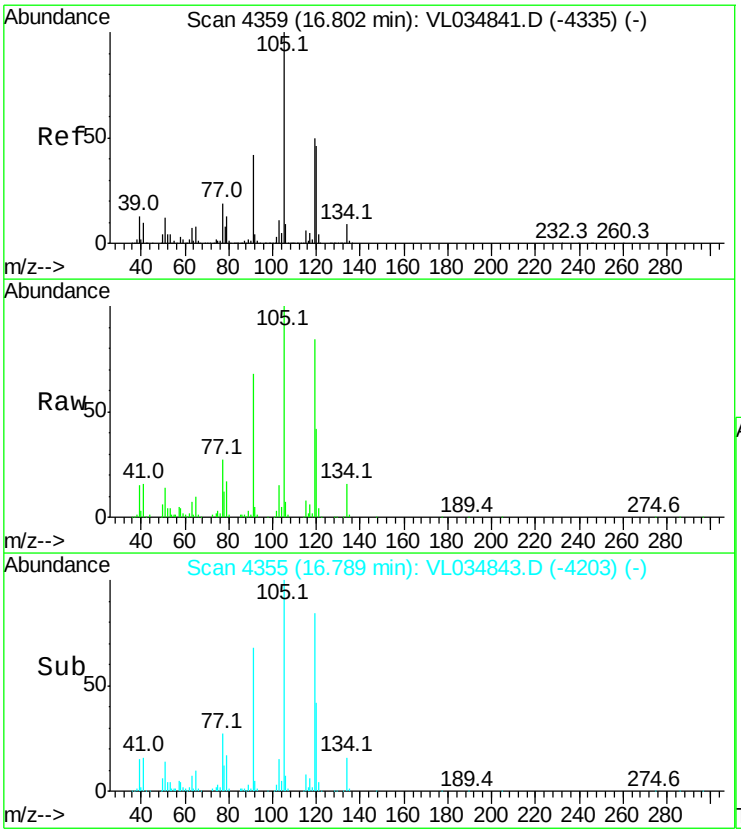
#73
1,3,5-Trimethylbenzene
Concen: 1.130 ppbv
RT: 16.03 min Scan# 4118
Delta R.T. -0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 281319

Ion	Ratio	Lower	Upper
105	100		
120	42.4	38.6	58.0

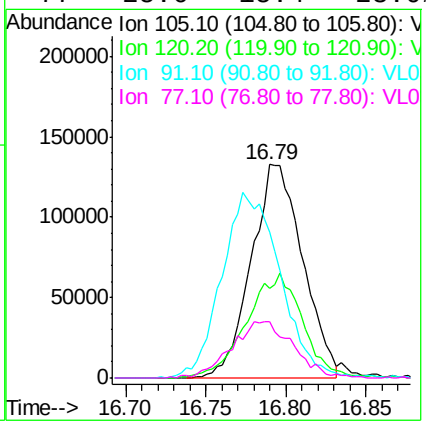


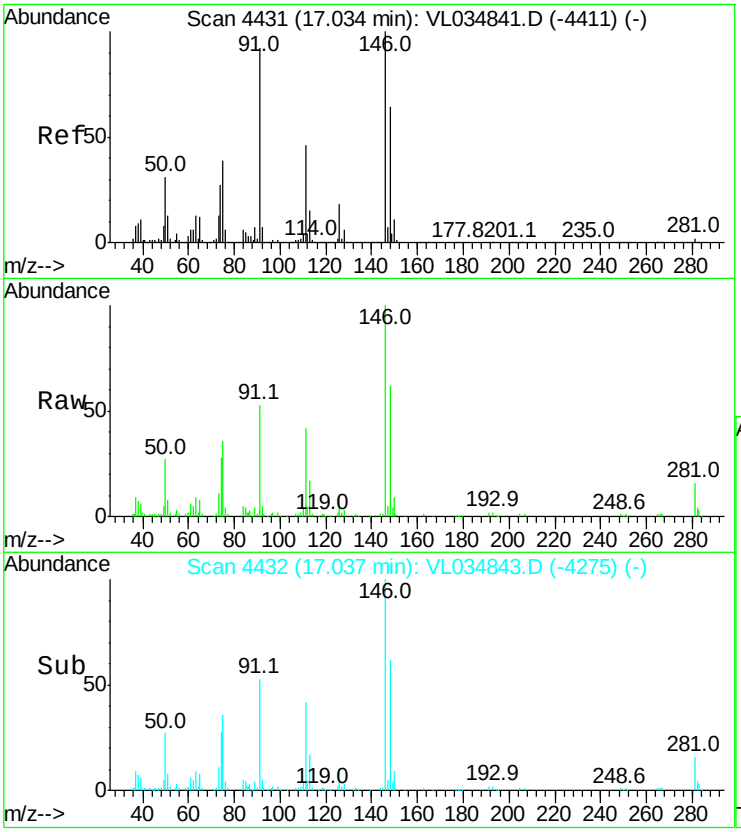


#74
1,2,4-Trimethylbenzene
Concen: 1.089 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. -0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:105 Resp: 294473

Ion	Ratio	Lower	Upper
105	100		
120	41.8	37.0	55.4
91	65.7	33.8	50.6#
77	25.6	15.4	23.0#



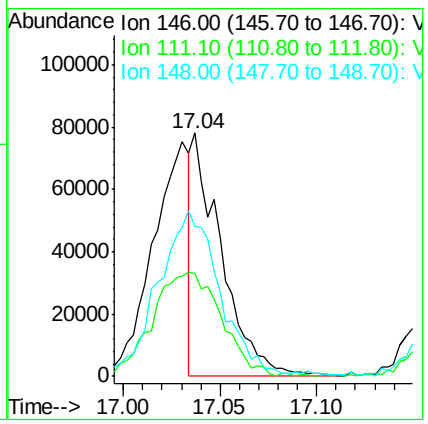


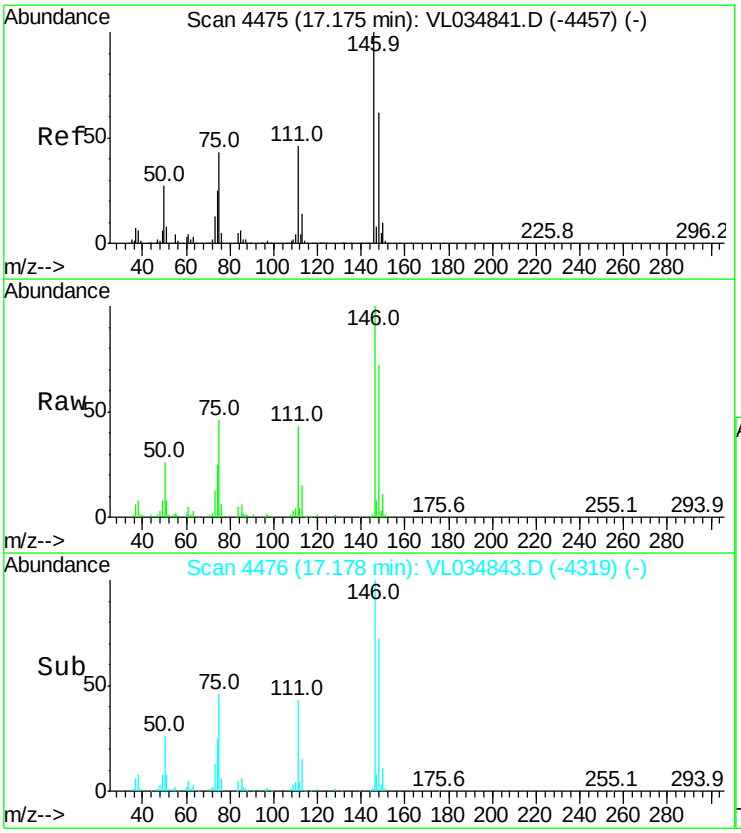
#75
1,3-Dichlorobenzene
Concen: 0.507 ppbv
RT: 17.04 min Scan# 4432
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:146 Resp: 81268

Ion	Ratio	Lower	Upper
146	100		
111	103.1	23.9	71.7#
148	146.8	32.5	97.5#

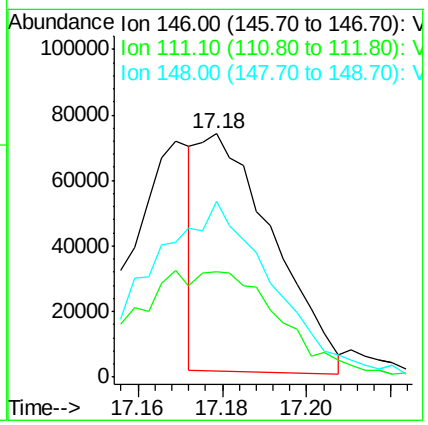


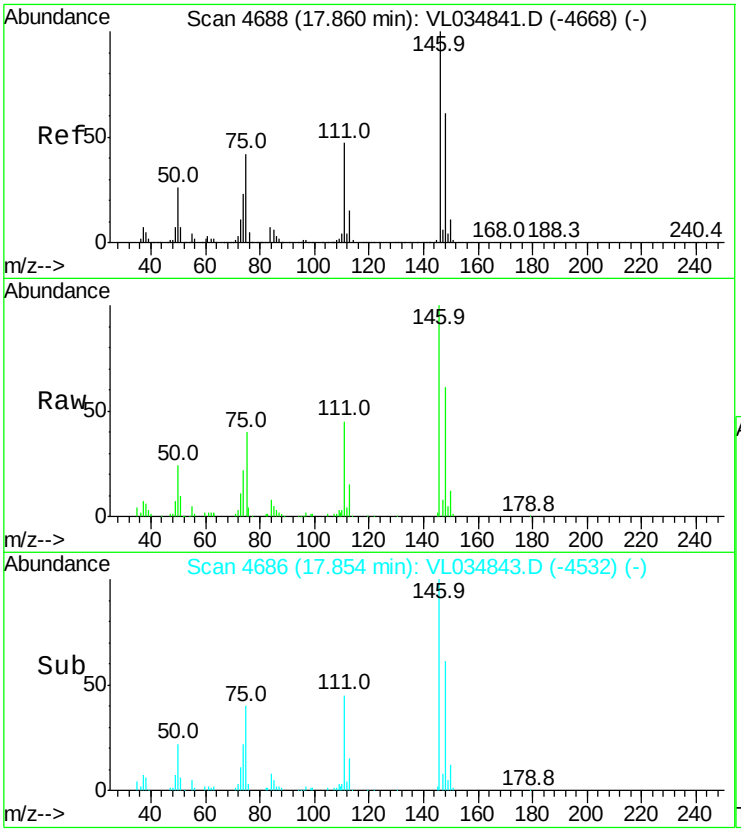


#76
1,4-Dichlorobenzene
Concen: 0.582 ppbv
RT: 17.18 min Scan# 4476
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:146 Resp: 89206

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.4	70.2#
148	129.9	32.3	96.9#



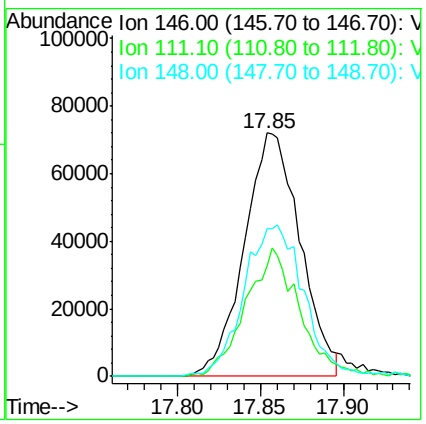


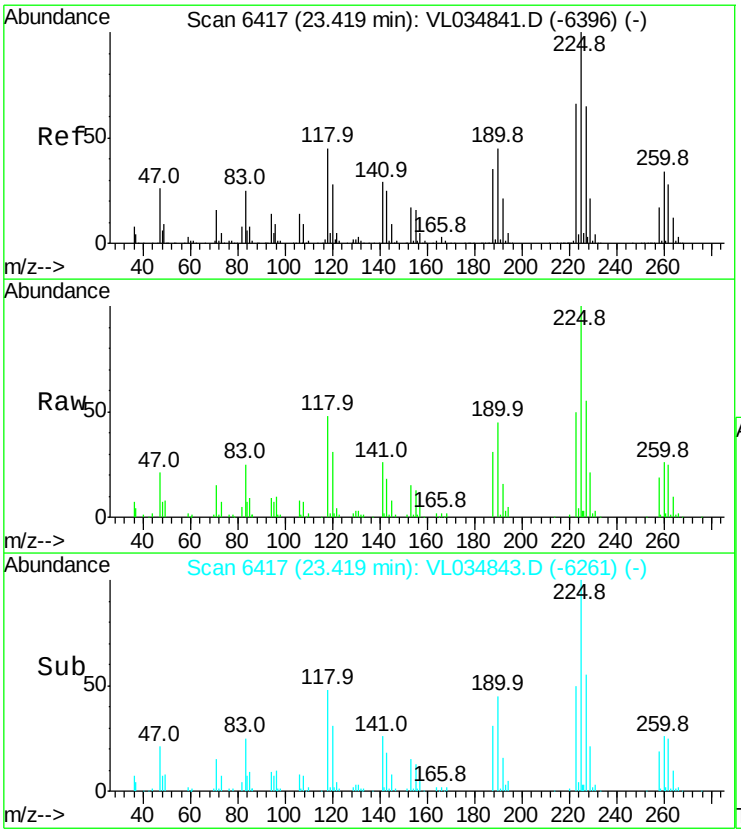
#77
1,2-Dichlorobenzene
Concen: 1.100 ppbv
RT: 17.85 min Scan# 4686
Delta R.T. -0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 168560

Ion	Ratio	Lower	Upper
146	100		
111	51.6	23.8	71.4
148	67.2	31.6	94.8

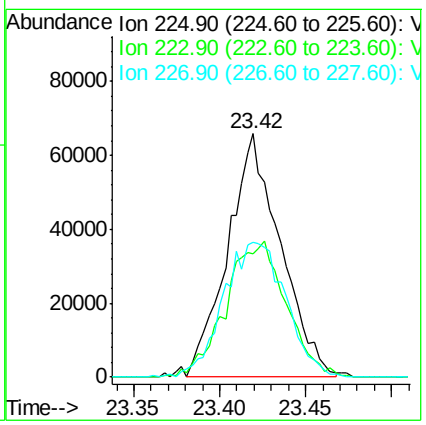


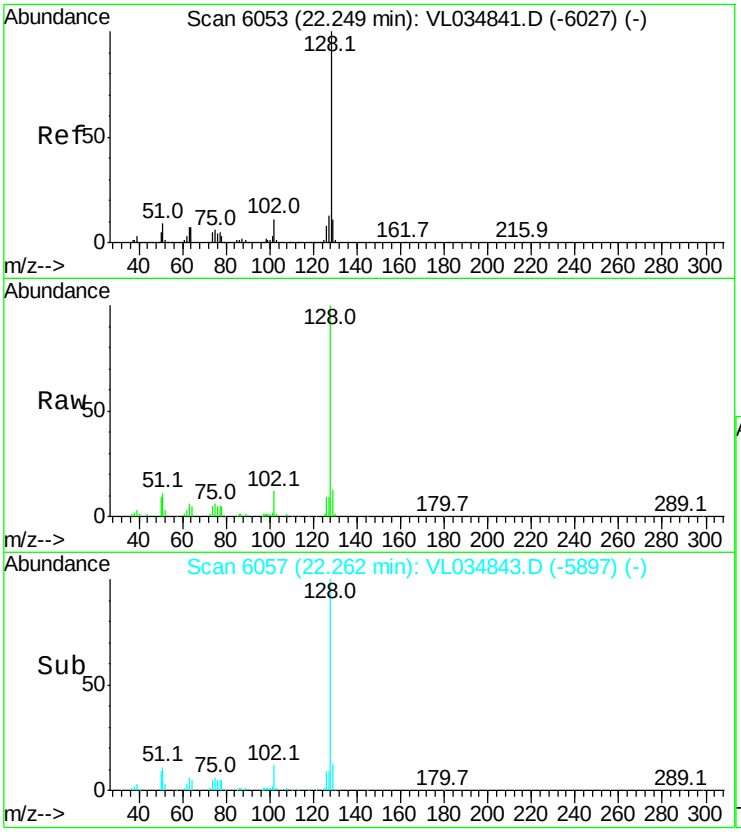


#78
Hexachloro-1,3-Butadiene
Concen: 1.102 ppbv
RT: 23.42 min Scan# 6417
Delta R.T. 0.00 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:225 Resp: 140920

Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.1	76.7
227	65.5	51.8	77.6



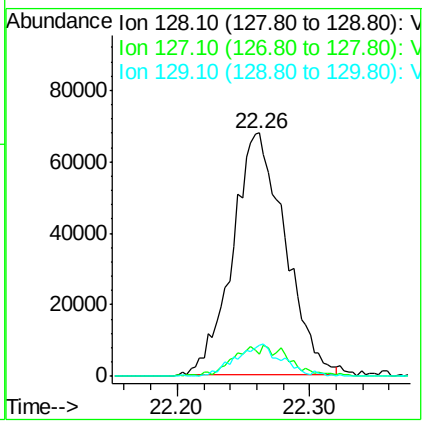


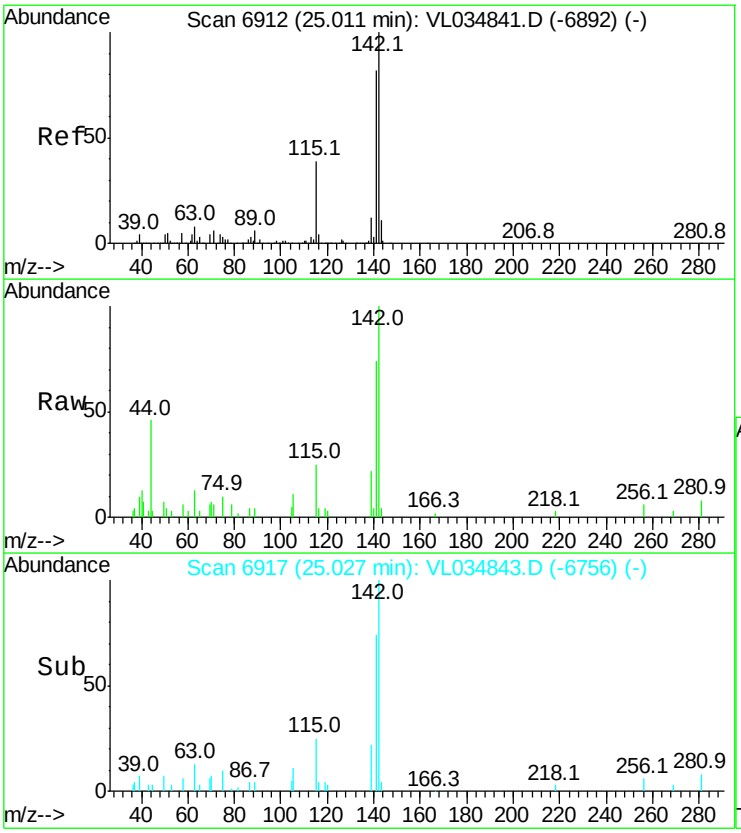
#79
Naphthalene
Concen: 0.909 ppbv
RT: 22.26 min Scan# 6057
Delta R.T. 0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 184743

Ion	Ratio	Lower	Upper
128	100		
127	8.8	10.2	15.2#
129	12.7	8.6	13.0

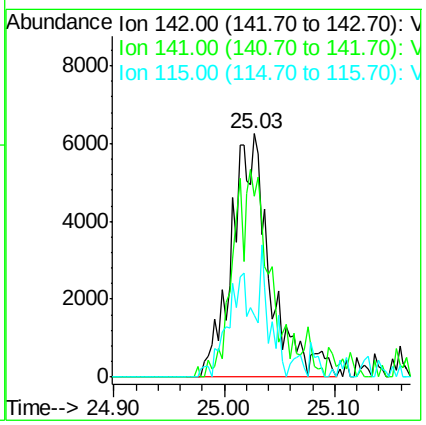


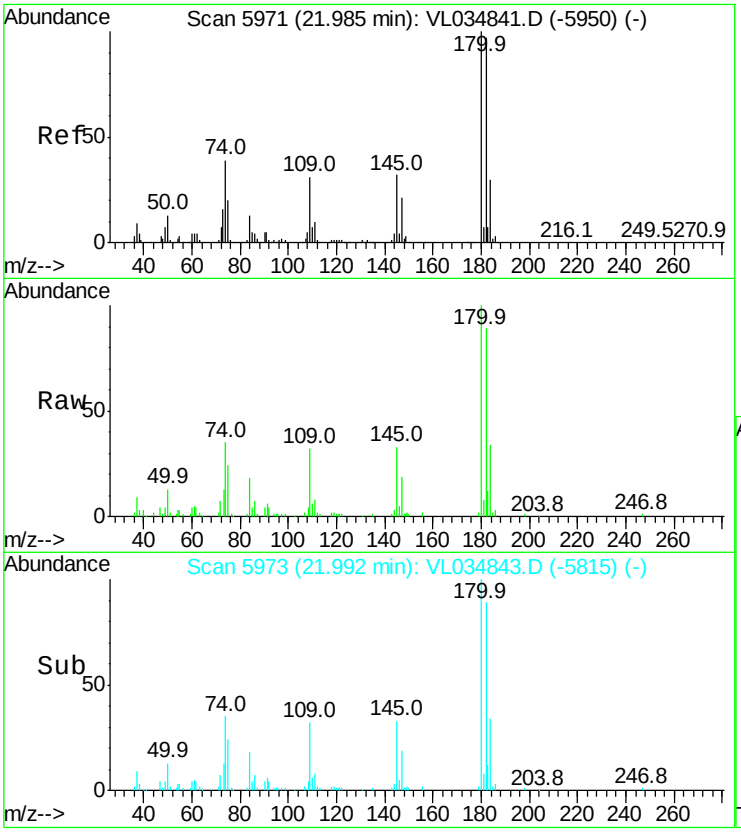


#80
Naphthalene,2-methyl-
Concen: 0.310 ppbv
RT: 25.03 min Scan# 6917
Delta R.T. 0.02 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Tgt Ion:142 Resp: 15063

Ion	Ratio	Lower	Upper
142	100		
141	83.5	68.9	103.3
115	47.1	33.2	49.8





#81
1,2,4-Trichlorobenzene
Concen: 0.978 ppbv
RT: 21.99 min Scan# 5973
Delta R.T. 0.01 min
Lab File: VL034843.D
Acq: 9 Mar 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 125732

Ion	Ratio	Lower	Upper
180	100		
182	101.7	76.6	115.0
184	32.6	25.0	37.4