Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013020\

Quantitation Report (Not Reviewed)

Data File : VL034568.D
Acq On : 30 Jan 2020 12:05
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jan 30 14:45:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 11:35:42 2020
QLast Update : Thu Jan 30 11:35:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1188394	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2406952	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2599794	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2145421	9.89	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	2248101	11.995	ppbv	97
3) Chlorodifluoromethane	2.95	51	1278316	9.028	ppbv	97
4) Chloromethane	3.10	50	778907	9.261	ppbv	98
5) Vinyl Chloride	3.22	62	737262	8.952	ppbv	98
6) Bromomethane	3.44	94	399811	9.752	ppbv	97
7) Chloroethane	3.52	64	280168	9.762	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1757271	9.349	ppbv	99
9) Propene	2.97	41	504161	9.235	ppbv	98
10) Heptane	8.13	43	1392182	9.875	ppbv	100
11) Trichlorofluoromethane	3.92	101	2088615	9.630	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1385809	10.046	ppbv	99
13) Ethanol	3.57	45	117638	7.767	ppbv	99
14) Bromoethene	3.71	108	567877	10.178	ppbv	99
15) Acetone	3.82	43	1457476	8.404	ppbv	100
16) 1,3-Butadiene	3.29	39	665039	9.970	ppbv	99
17) tert-Butyl alcohol	4.27	59	1228135	8.844	ppbv	100
18) 1,1-Dichloroethene	4.26	96	607026	10.102	ppbv	92
19) Isopropyl Alcohol	3.94	45	935438	8.332	ppbv #	99
20) Methylene Chloride	4.32	84	541338	7.933	ppbv	98
21) Allyl Chloride	4.39	41	1019617	10.229	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	634345	10.379	ppbv	90
23) Vinyl Acetate	5.06	43	1914146	9.560	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1506024	9.362	ppbv	100
25) Ethyl Acetate	5.67	43	2576523	9.513	ppbv	100
26) Hexane	5.68	57	1091724	9.566	ppbv	99
27) Carbon Disulfide	4.53	76	1608457	11.150	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1906155	10.000	ppbv	99
29) Chloroform	5.75	83	1880018	9.520	ppbv	95
30) Cyclohexane	7.14	84	863381	10.178	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1186481	10.202	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1950547	9.516	ppbv	100
34) 2-Butanone	5.23	43	1612701	9.376	ppbv	99
35) Carbon Tetrachloride	7.02	117	2124035	9.731	ppbv	99
36) Benzene	6.90	78	2065649	9.845	ppbv	96
37) 1,2-Dichloroethane	6.31	62	1634178	9.591	ppbv	100
38) Trichloroethene	7.85	130	898430	10.600	ppbv	97
39) 1,2-Dichloropropane	7.63	63	834530	9.673	ppbv	96
40) 1,4-Dioxane	7.84	88	323543	9.266	ppbv #	100
41) Tetrahydrofuran	6.04	42	885312	10.034	ppbv	98
42) Bromodichloromethane	7.80	83	2082504	9.933	ppbv	94
43) Methyl Methacrylate	8.02	69	870065	10.166	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013020\

Quantitation Report (Not Reviewed)

Data File : VL034568.D
Acq On : 30 Jan 2020 12:05
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jan 30 14:45:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 11:35:42 2020
QLast Update : Thu Jan 30 11:35:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3672612	9.462	ppbv		99
45) t-1,3-Dichloropropene	9.30	75	1262308	11.450	ppbv		94
46) cis-1,3-Dichloropropene	8.72	75	1389868	11.028	ppbv		98
47) 1,1,2-Trichloroethane	9.50	97	905911	9.525	ppbv		98
48) Dibromochloromethane	10.33	129	1778931	10.790	ppbv		99
49) Bromoform	13.08	173	1601306	10.728	ppbv		99
50) 4-Methyl-2-Pentanone	8.75	43	2430082	9.733	ppbv		99
51) 2-Hexanone	10.15	43	2024126	10.043	ppbv	#	99
52) Tetrachloroethene	11.25	164	800872	9.781	ppbv		96
53) Toluene	9.83	91	2411244	10.460	ppbv		100
54) 1,2-Dibromoethane	10.64	107	1381271	9.980	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1175658	9.368	ppbv		100
57) Chlorobenzene	12.18	112	1916724	8.936	ppbv		99
58) Ethyl Benzene	12.74	91	3343669	9.537	ppbv		97
59) m/p-Xylene	13.03	91	3335232	10.878	ppbv	#	52
60) o-Xylene	13.73	91	2869428	9.327	ppbv		99
61) Styrene	13.56	104	2108288	10.023	ppbv		99
62) Isopropylbenzene	14.70	105	3691247	9.172	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2018788	8.180	ppbv		100
64) n-propylbenzene	15.60	120	978991	9.527	ppbv		95
65) tert-Butylbenzene	16.79	119	3332926	9.167	ppbv		100
66) Benzyl Chloride	17.03	91	1659069	10.412	ppbv		99
67) sec-Butylbenzene	17.34	105	4498193	8.810	ppbv		99
69) p-Isopropyltoluene	17.69	119	3790087	9.152	ppbv		100
70) n-Butylbenzene	18.59	91	3926147	8.787	ppbv		100
71) 2-Chlorotoluene	15.49	91	2898423	9.274	ppbv		100
72) 4-Ethyltoluene	15.88	105	3209405	9.322	ppbv		99
73) 1,3,5-Trimethylbenzene	16.04	105	3107385	9.200	ppbv		95
74) 1,2,4-Trimethylbenzene	16.81	105	3238131	8.962	ppbv	#	91
75) 1,3-Dichlorobenzene	17.04	146	1822703	8.422	ppbv		99
76) 1,4-Dichlorobenzene	17.18	146	1826400	8.766	ppbv		99
77) 1,2-Dichlorobenzene	17.86	146	1742566	8.568	ppbv		100
78) Hexachloro-1,3-Butadiene	23.42	225	1601016	8.293	ppbv		100
79) Naphthalene	22.26	128	2741592	10.074	ppbv		98
80) Naphthalene,2-methyl-	25.01	142	1292502	17.144	ppbv	#	93
81) 1,2,4-Trichlorobenzene	21.99	180	1649011	9.306	ppbv		100

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

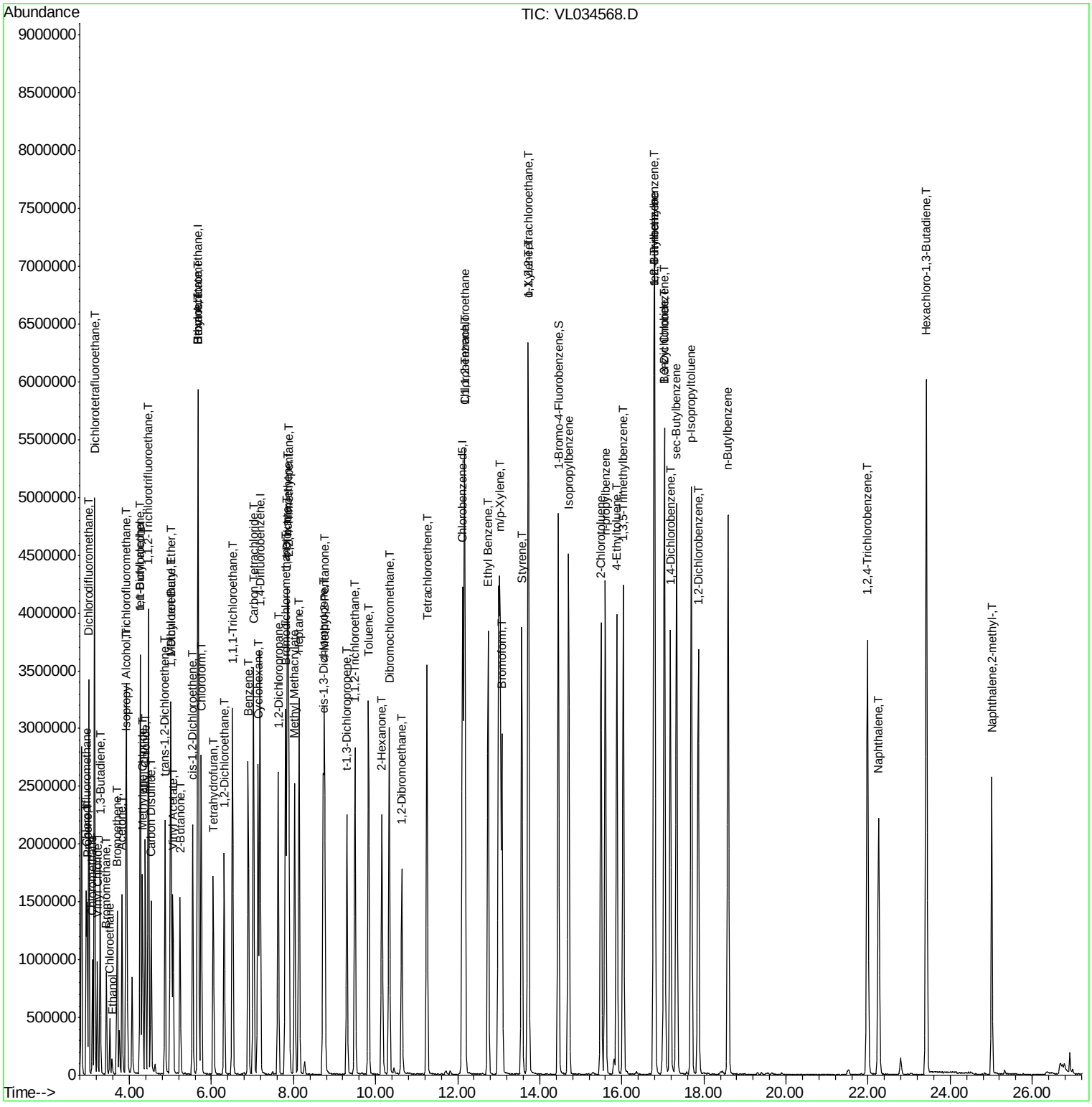
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013020\

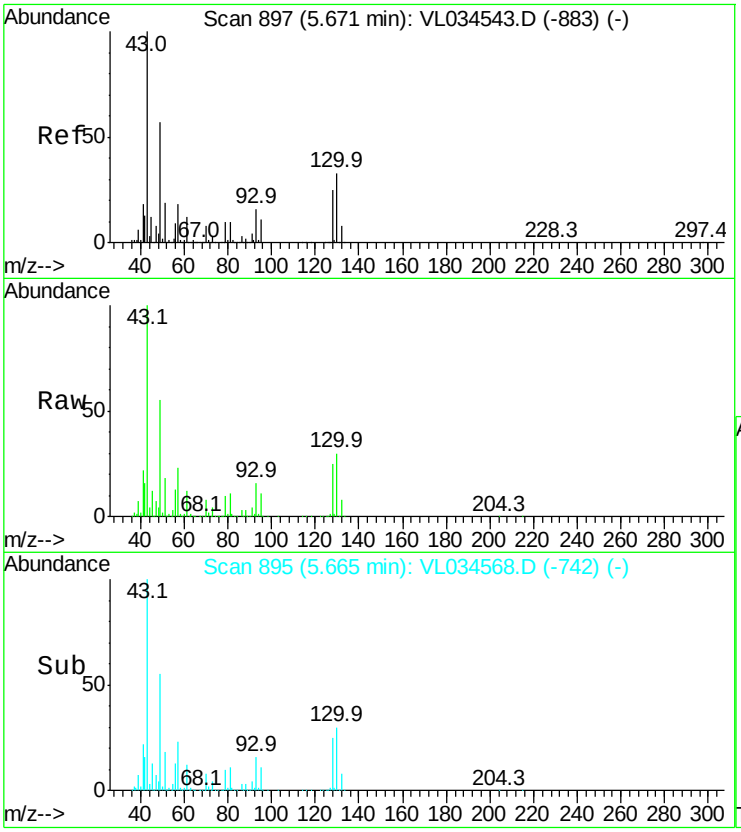
Quantitation Report (Not Reviewed)

Data File : VL034568.D
Acq On : 30 Jan 2020 12:05
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jan 30 14:45:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 11:35:42 2020
QLast Update : Thu Jan 30 11:35:42 2020
Response via : Initial Calibration



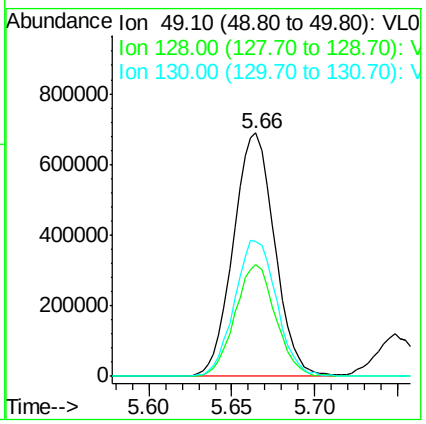


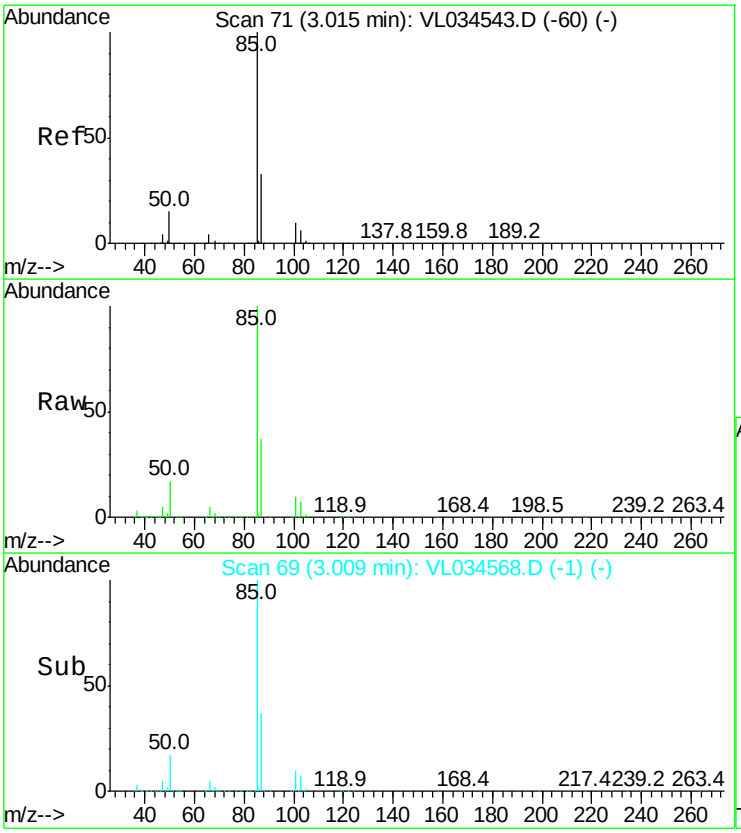
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 49 Resp: 1188394

Ion	Ratio	Lower	Upper
49	100		
128	45.4	22.4	67.2
130	57.2	28.3	85.0

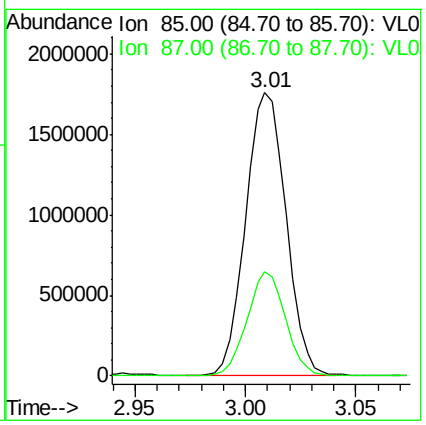


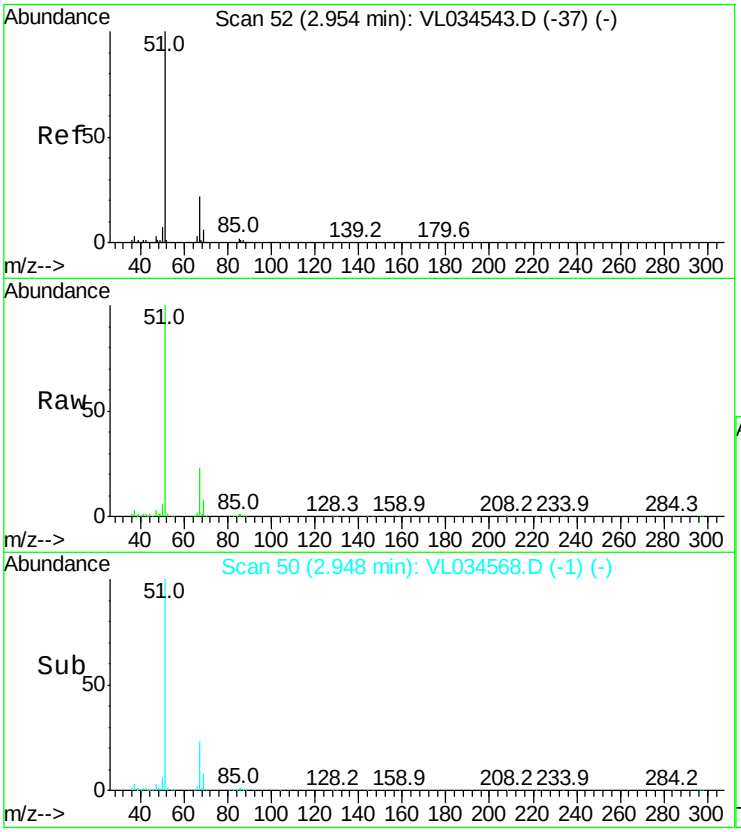


#2
Dichlorodifluoromethane
Concen: 11.995 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 85 Resp: 2248101

Ion	Ratio	Lower	Upper
85	100		
87	36.9	27.9	41.9



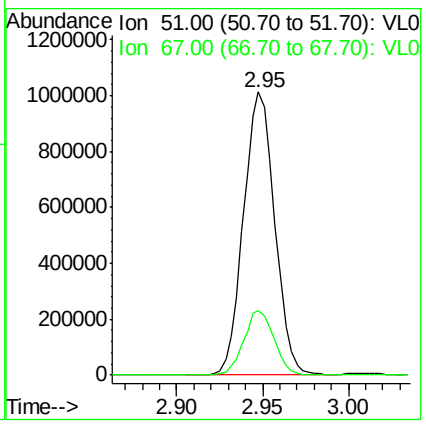


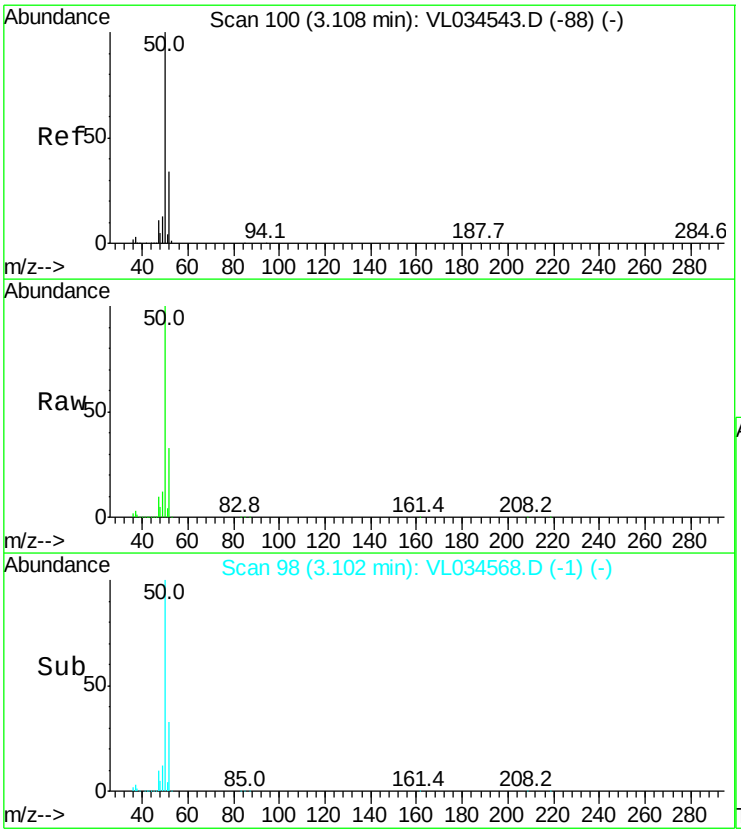
#3
Chlorodifluoromethane
Concen: 9.028 ppbv
RT: 2.95 min Scan# 50
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 1278316

Ion	Ratio	Lower	Upper
51	100		
67	22.3	16.8	25.2

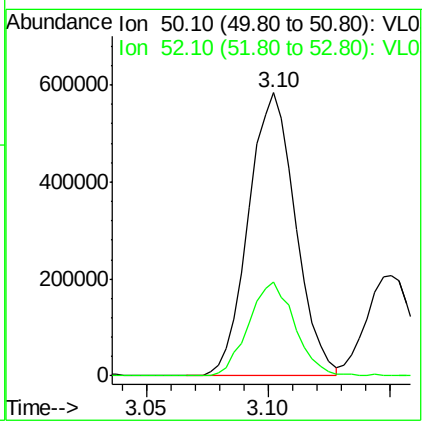


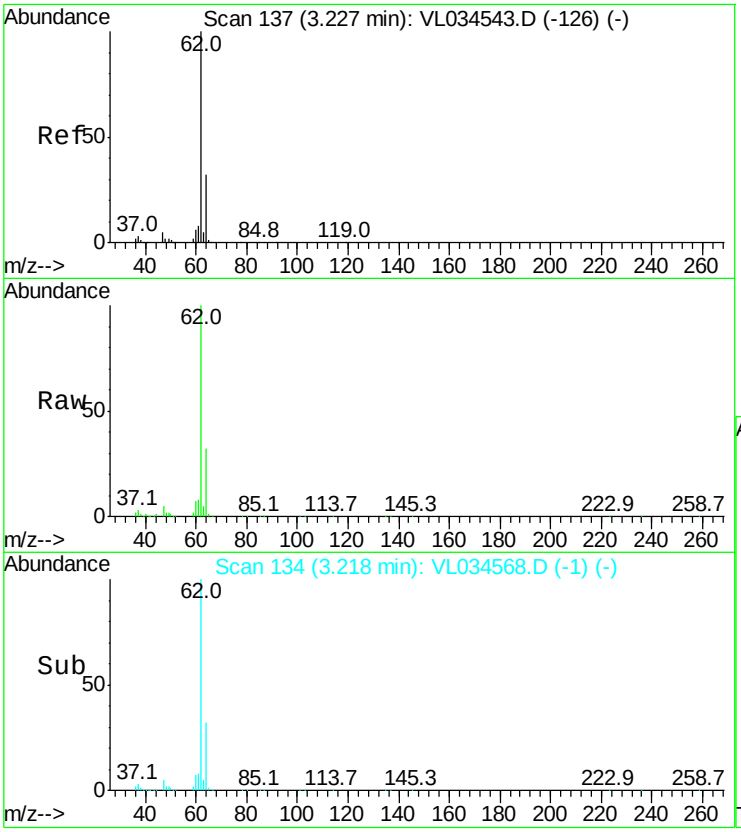


#4
Chloromethane
Concen: 9.261 ppbv
RT: 3.10 min Scan# 98
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 50 Resp: 778907

Ion	Ratio	Lower	Upper
50	100		
52	33.2	27.6	41.4



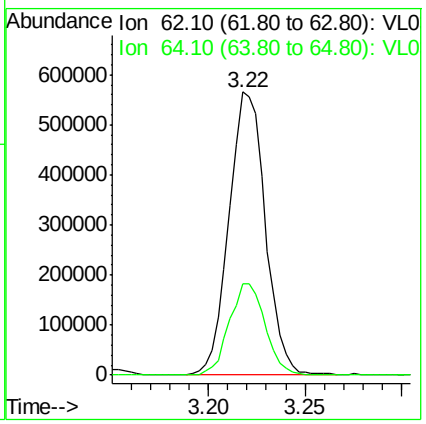


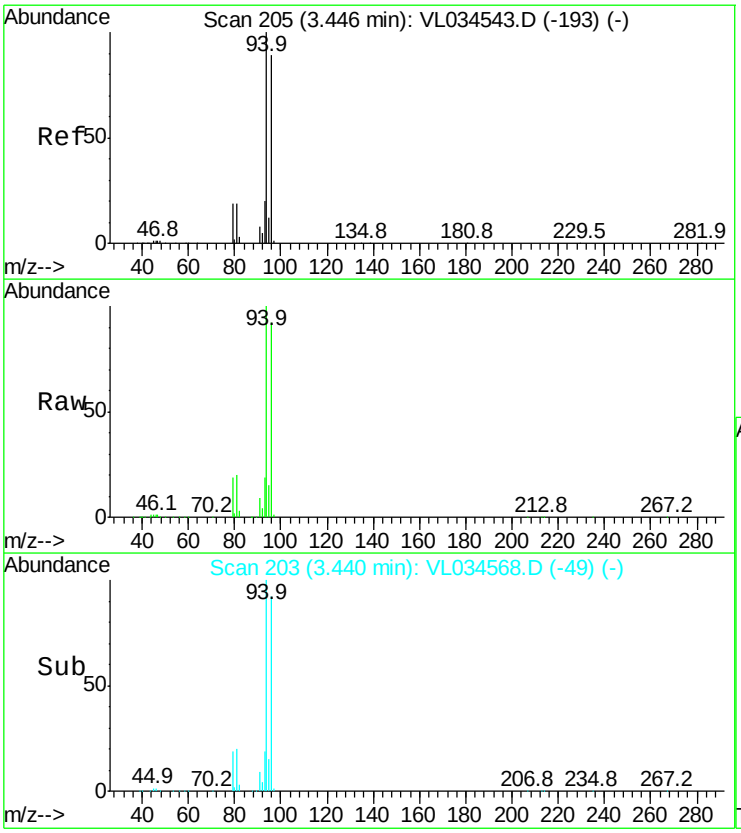
#5
Vinyl Chloride
Concen: 8.952 ppbv
RT: 3.22 min Scan# 134
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 737262

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.9	37.3

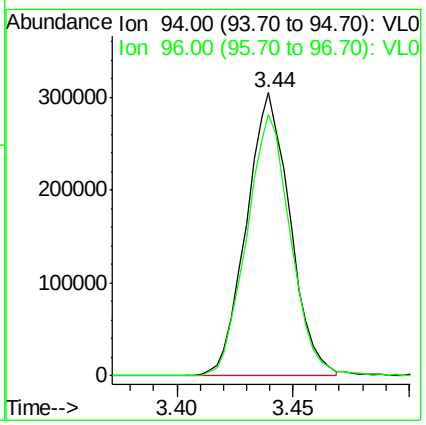


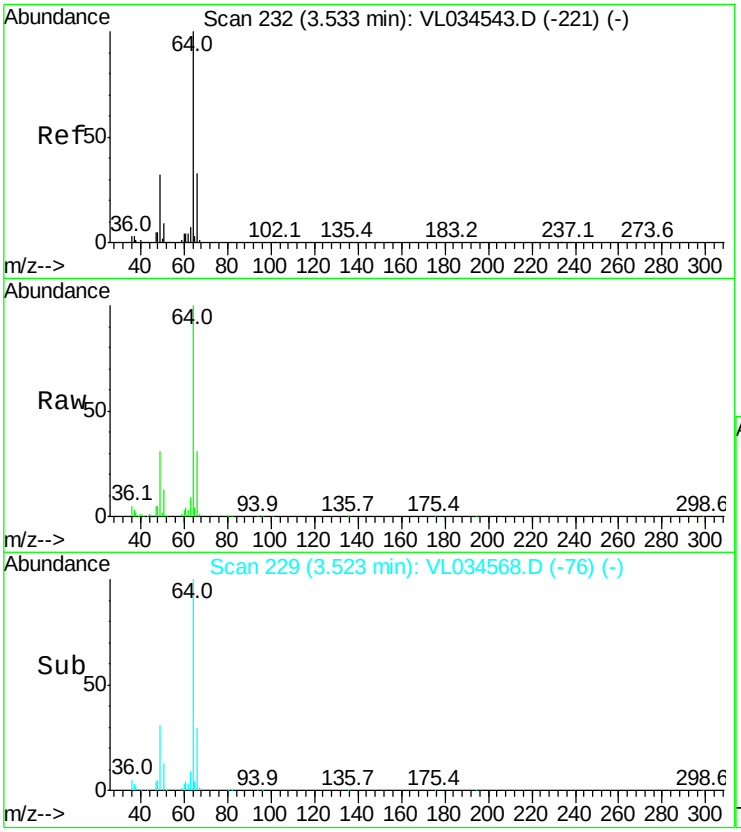


#6
Bromomethane
Concen: 9.752 ppbv
RT: 3.44 min Scan# 203
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 94 Resp: 399811

Ion	Ratio	Lower	Upper
94	100		
96	92.3	71.2	106.8



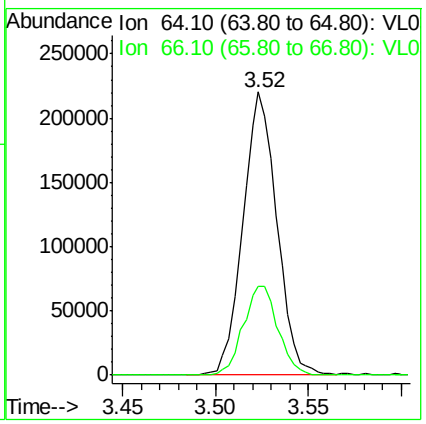


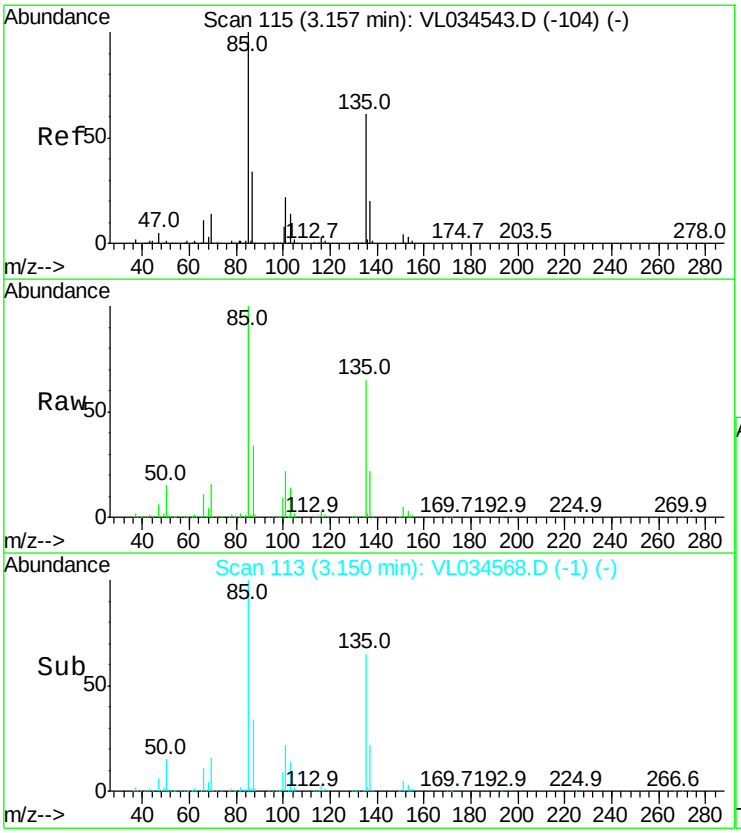
#7
Chloroethane
Concen: 9.762 ppbv
RT: 3.52 min Scan# 229
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 64 Resp: 280168

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.0	37.4

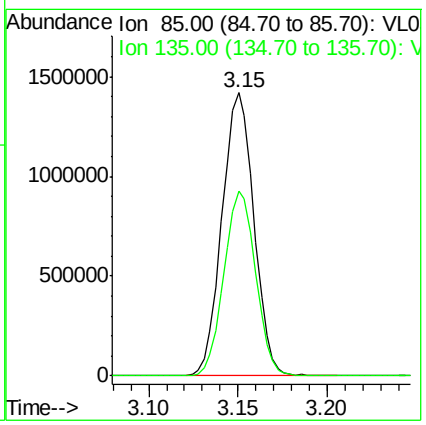


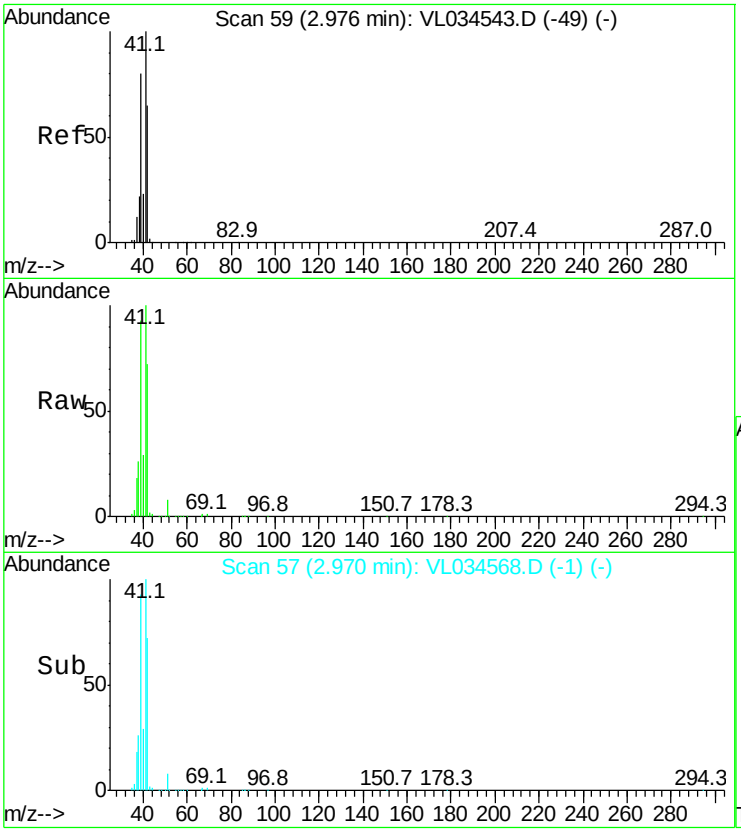


#8
Dichlorotetrafluoroethane
Concen: 9.349 ppbv
RT: 3.15 min Scan# 113
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 85 Resp: 1757271

Ion	Ratio	Lower	Upper
85	100		
135	65.2	51.8	77.8



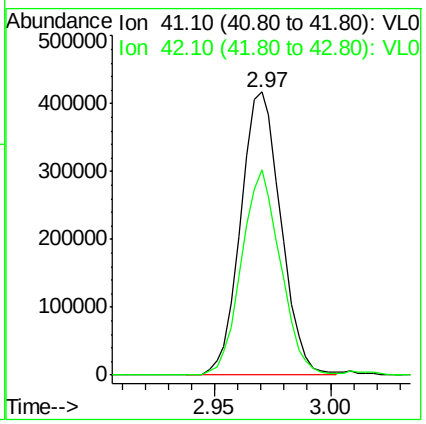


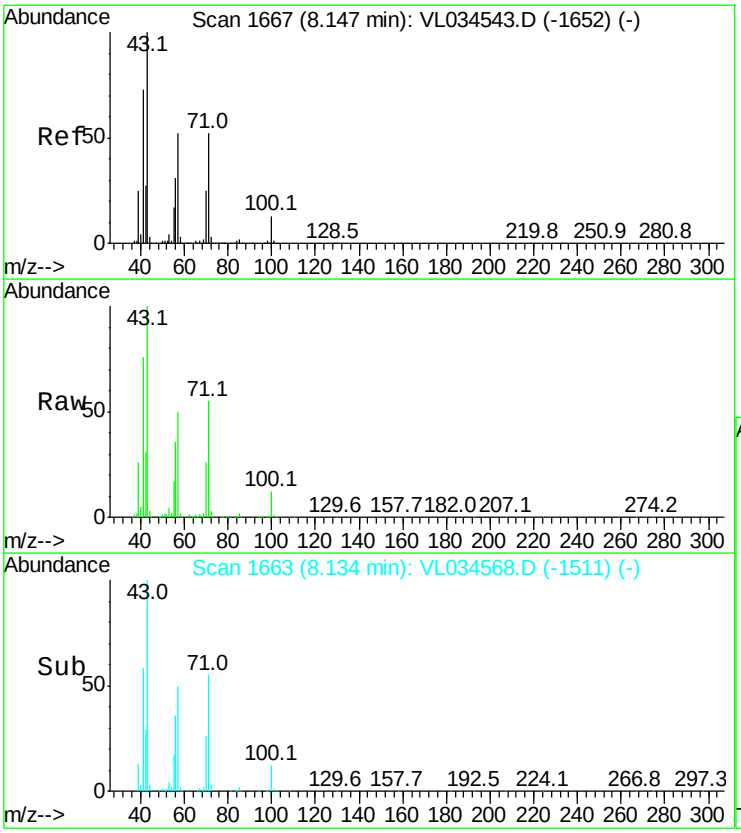
#9
Propene
Concen: 9.235 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 504161

Ion	Ratio	Lower	Upper
41	100		
42	71.2	55.8	83.6

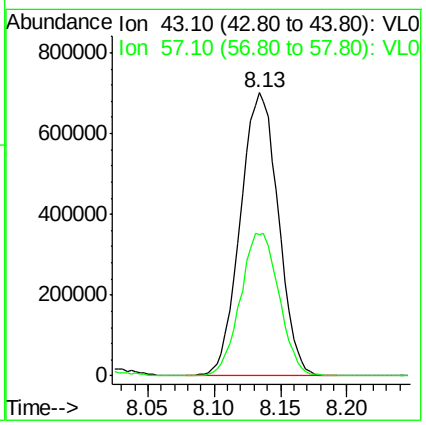


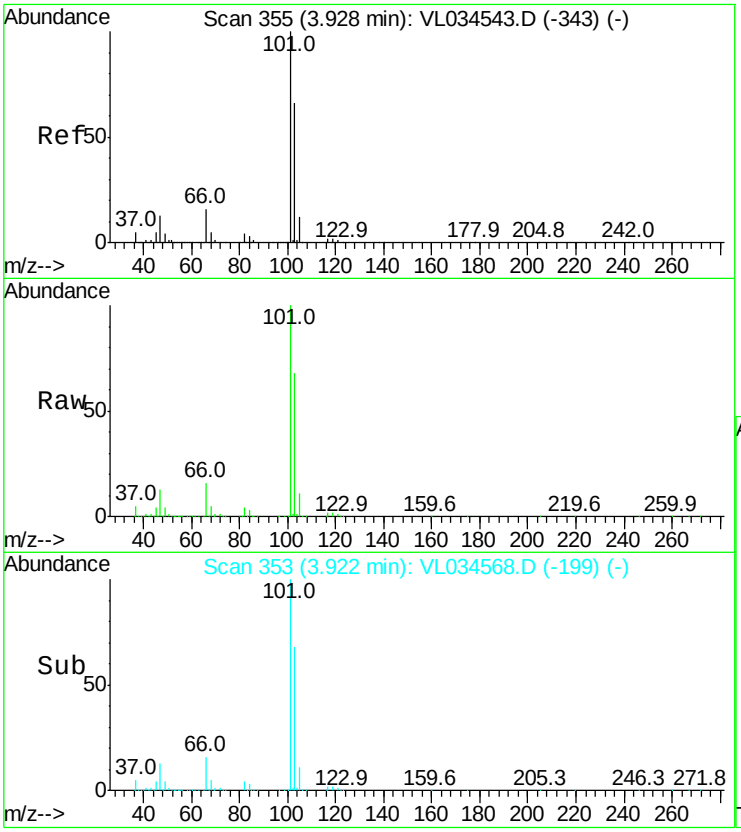


#10
Heptane
Concen: 9.875 ppbv
RT: 8.13 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 43 Resp: 1392182

Ion	Ratio	Lower	Upper
43	100		
57	51.5	41.0	61.6



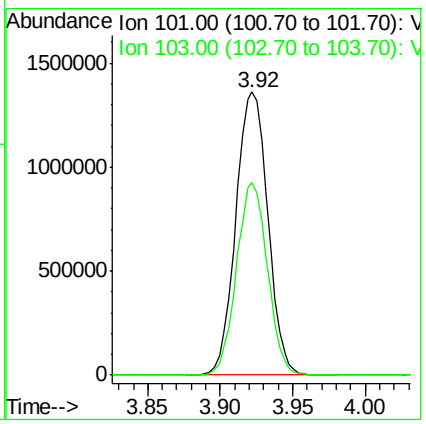


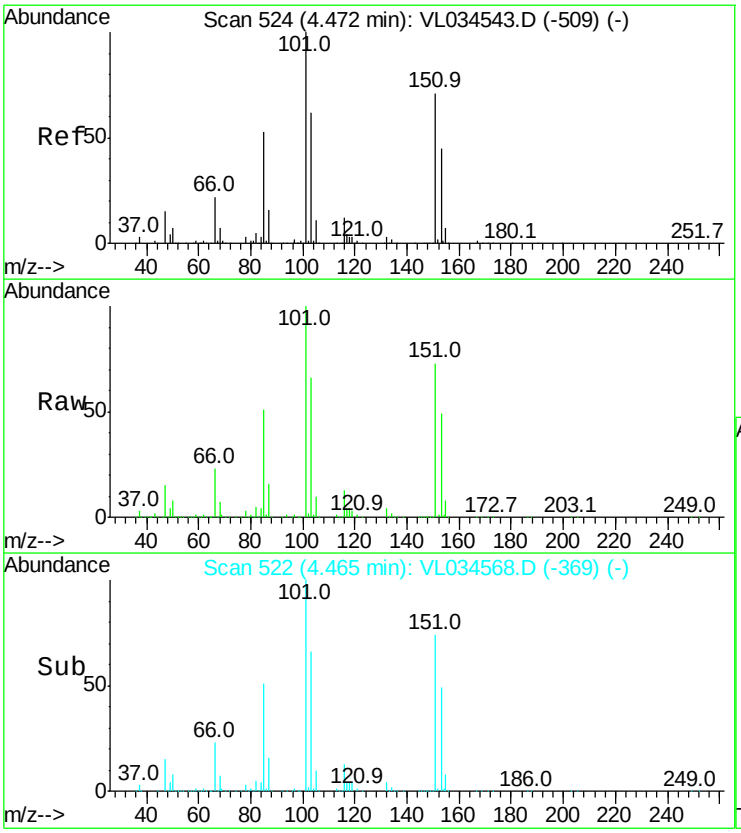
#11
Trichlorofluoromethane
Concen: 9.630 ppbv
RT: 3.92 min Scan# 353
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 2088615

Ion	Ratio	Lower	Upper
101	100		
103	68.0	52.1	78.1

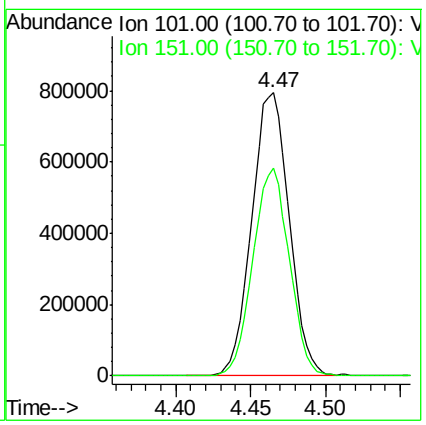


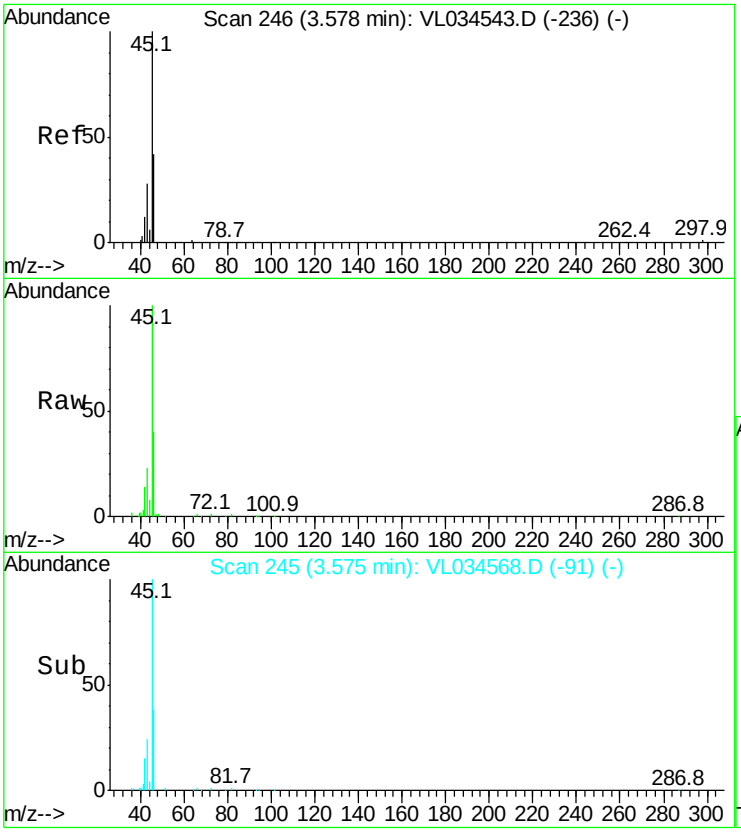


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.046 ppbv
RT: 4.47 min Scan# 522
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:101 Resp: 1385809

Ion	Ratio	Lower	Upper
101	100		
151	71.3	57.8	86.6



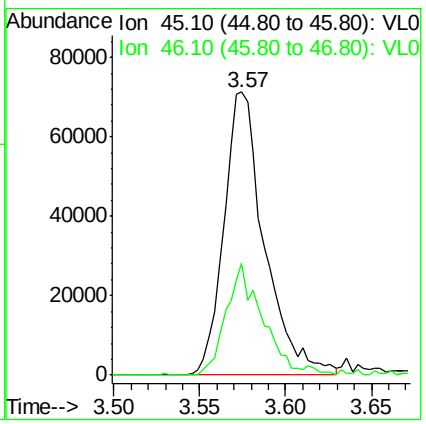


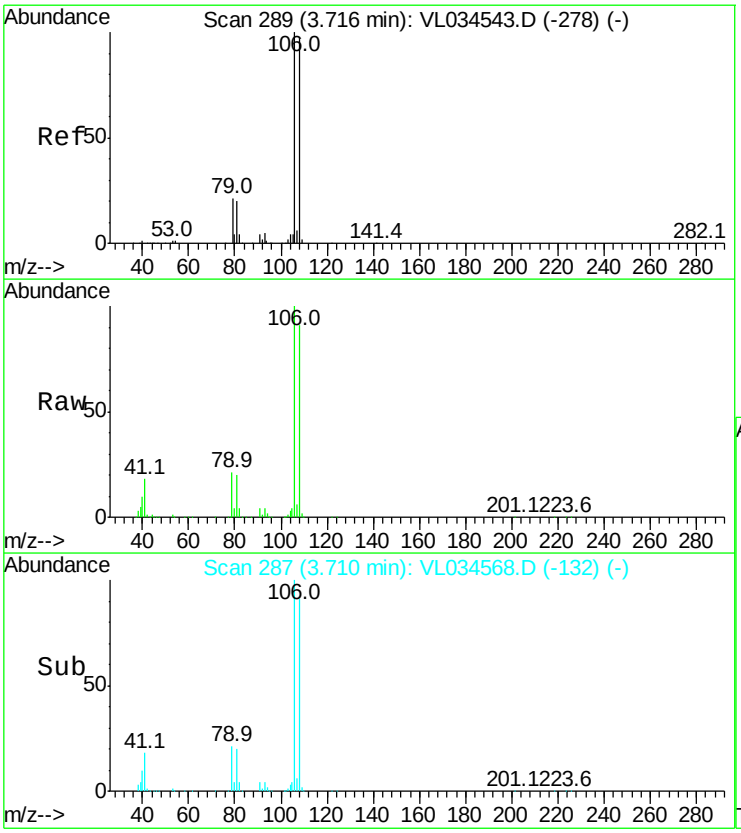
#13
Ethanol
Concen: 7.767 ppbv
RT: 3.57 min Scan# 245
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 117638

Ion	Ratio	Lower	Upper
45	100		
46	37.0	14.9	59.7

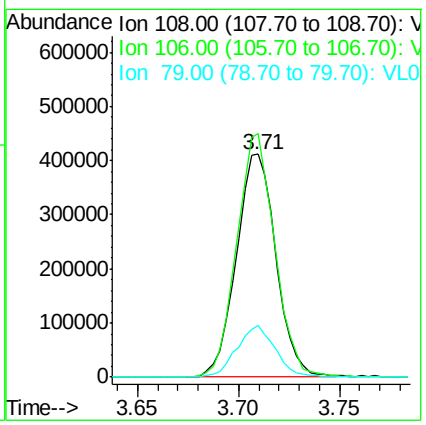


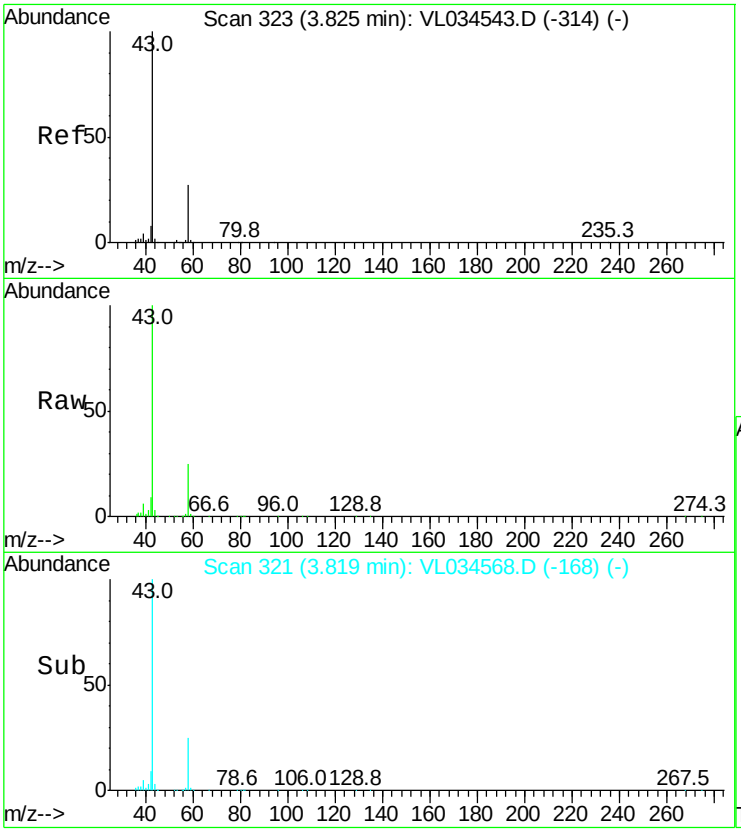


#14
Bromoethene
Concen: 10.178 ppbv
RT: 3.71 min Scan# 287
Delta R.T. -0.00 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:108 Resp: 567877

Ion	Ratio	Lower	Upper
108	100		
106	105.8	85.2	127.8
79	22.7	17.4	26.2



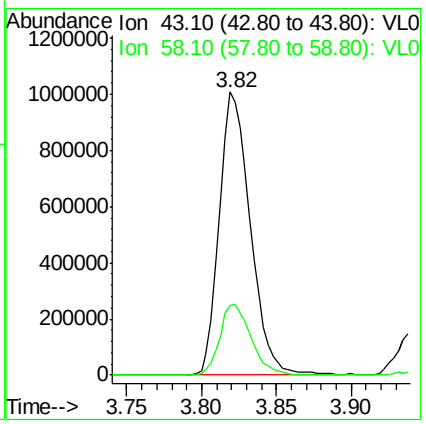


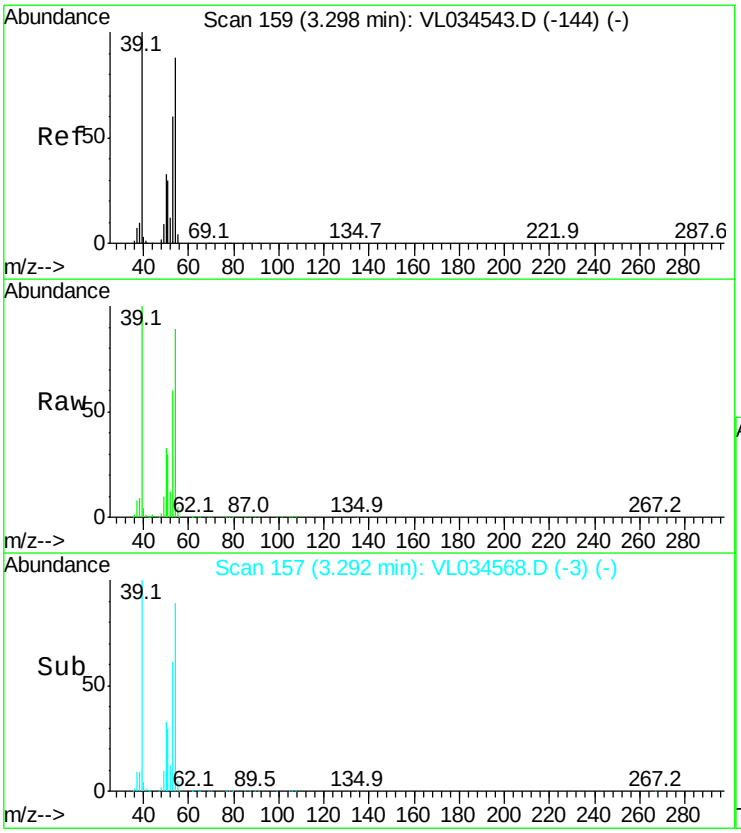
#15
Acetone
Concen: 8.404 ppbv
RT: 3.82 min Scan# 321
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1457476

Ion	Ratio	Lower	Upper
43	100		
58	25.4	20.4	30.6

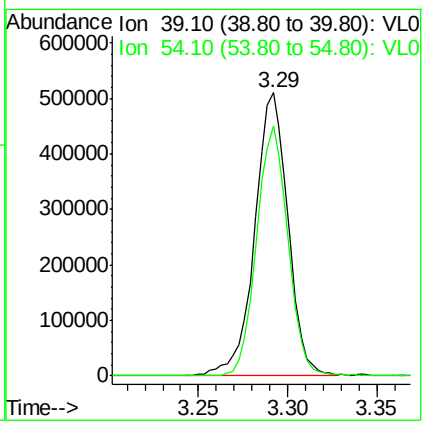


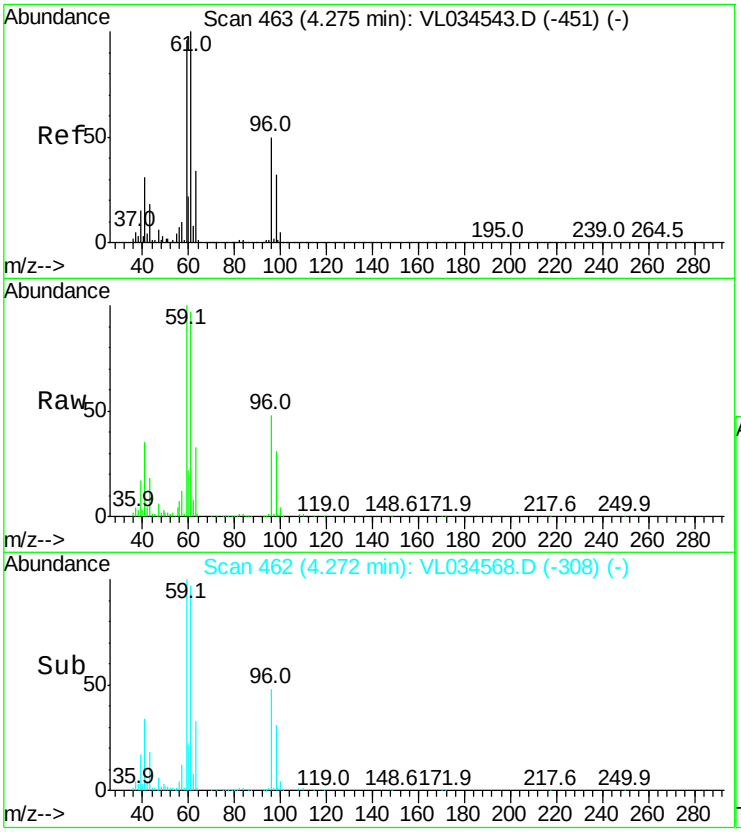


#16
1,3-Butadiene
Concen: 9.970 ppbv
RT: 3.29 min Scan# 157
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 39 Resp: 665039

Ion	Ratio	Lower	Upper
39	100		
54	83.4	66.2	99.2



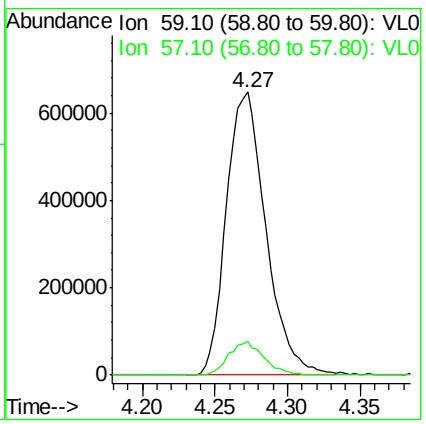


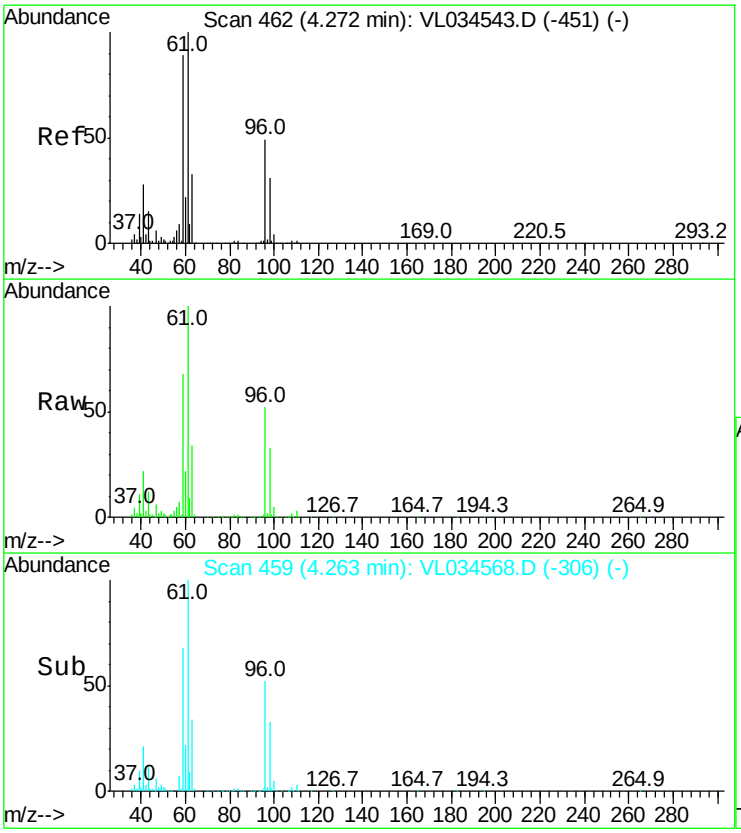
#17
tert-Butyl alcohol
Concen: 8.844 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 1228135

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

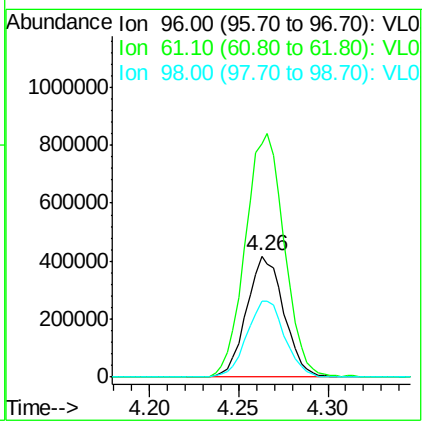


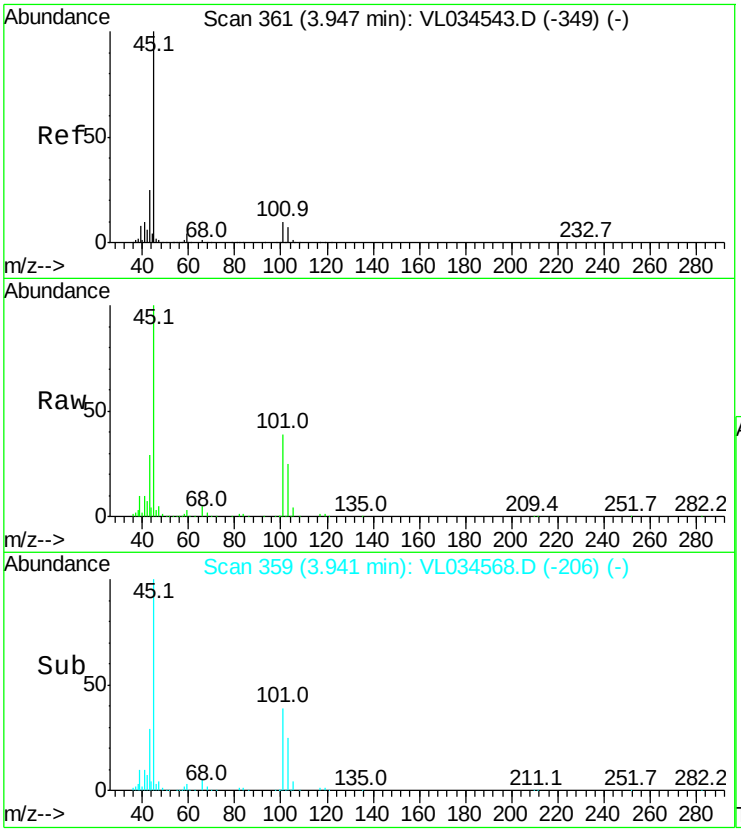


#18
1,1-Dichloroethene
Concen: 10.102 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 96 Resp: 607026

Ion	Ratio	Lower	Upper
96	100		
61	193.1	165.9	248.9
98	62.9	51.9	77.9



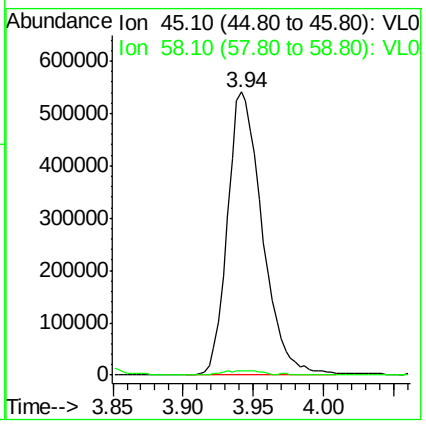


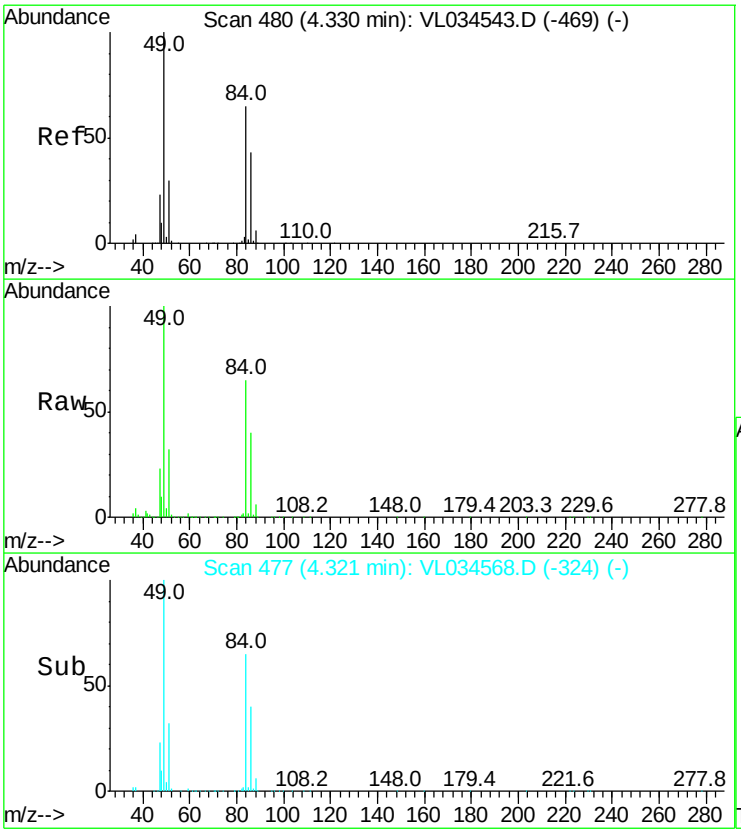
#19
Isopropyl Alcohol
Concen: 8.332 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 45 Resp: 935438

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.4	2.0#

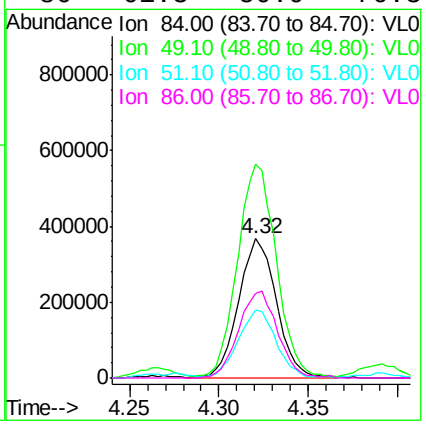


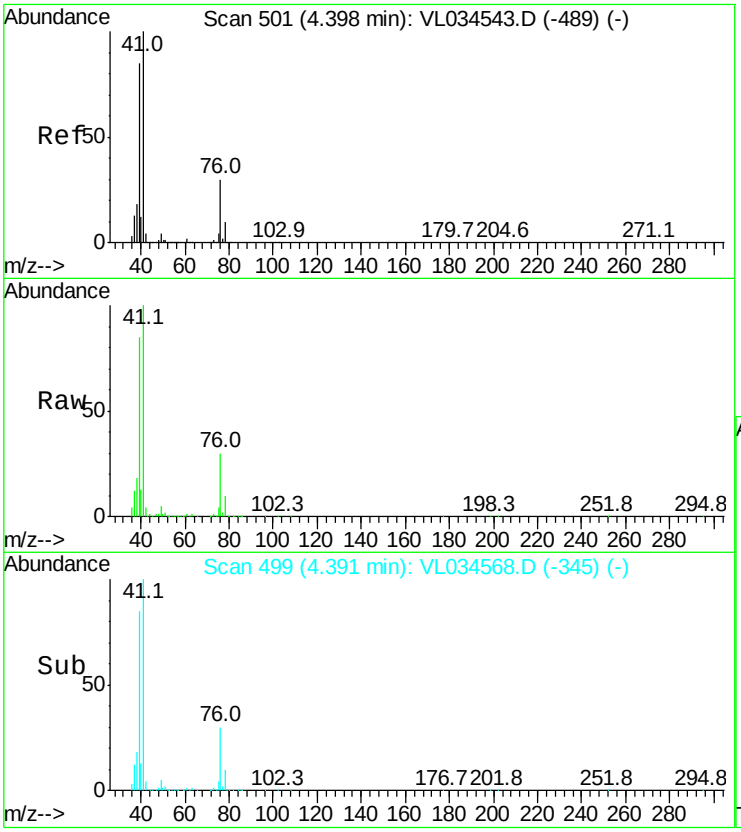


#20
Methylene Chloride
Concen: 7.933 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 84 Resp: 541338

Ion	Ratio	Lower	Upper
84	100		
49	153.0	124.4	186.6
51	48.2	37.0	55.6
86	61.3	50.9	76.3



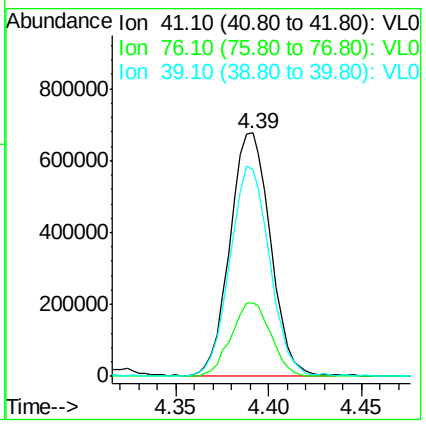


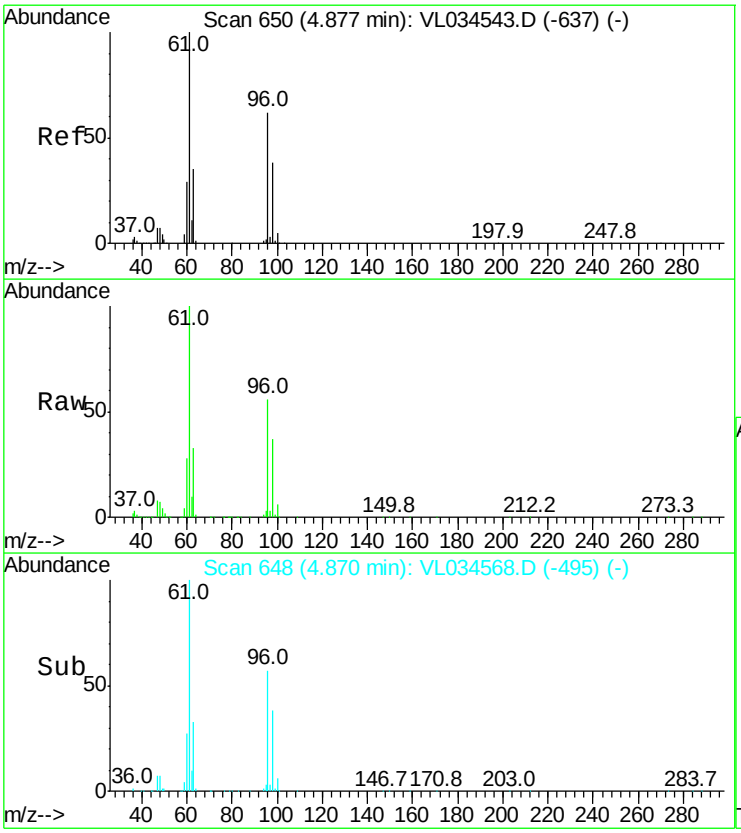
#21
Allyl Chloride
Concen: 10.229 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 41 Resp: 1019617

Ion	Ratio	Lower	Upper
41	100		
76	30.2	24.2	36.4
39	85.4	65.8	98.6

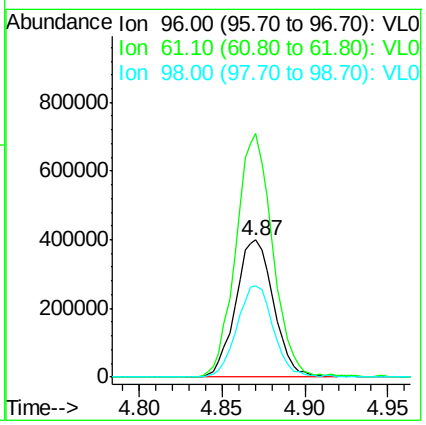


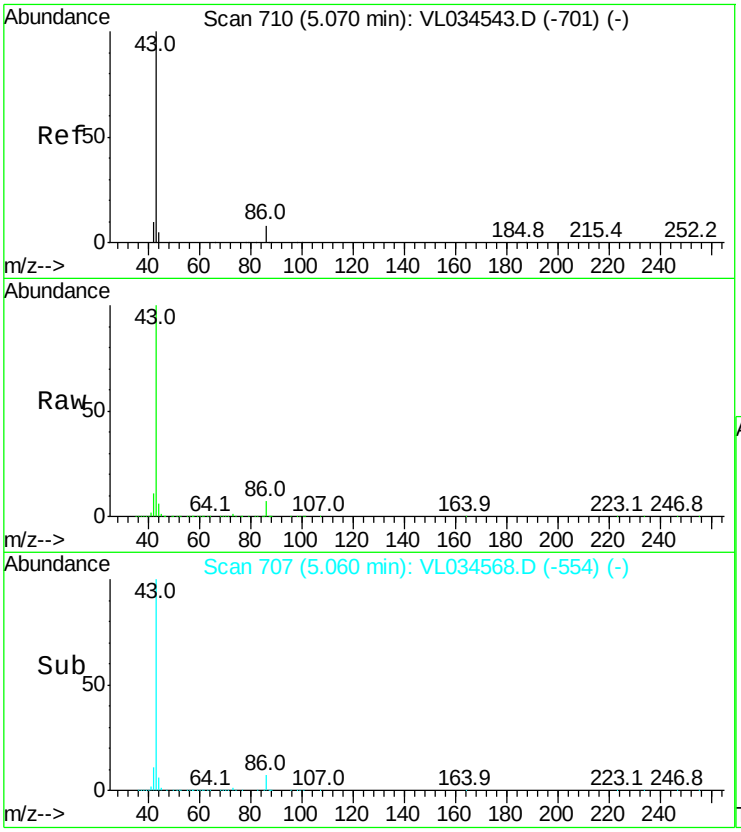


#22
trans-1,2-Dichloroethene
Concen: 10.379 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 96 Resp: 634345

Ion	Ratio	Lower	Upper
96	100		
61	177.4	128.4	192.6
98	66.4	50.6	75.8



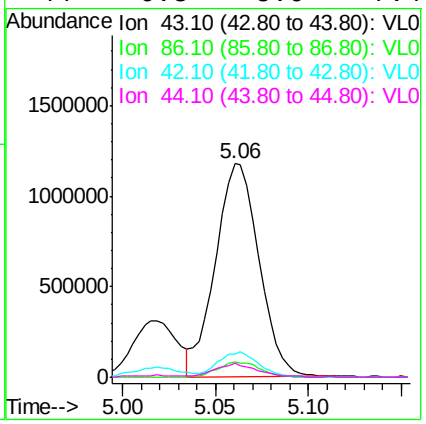


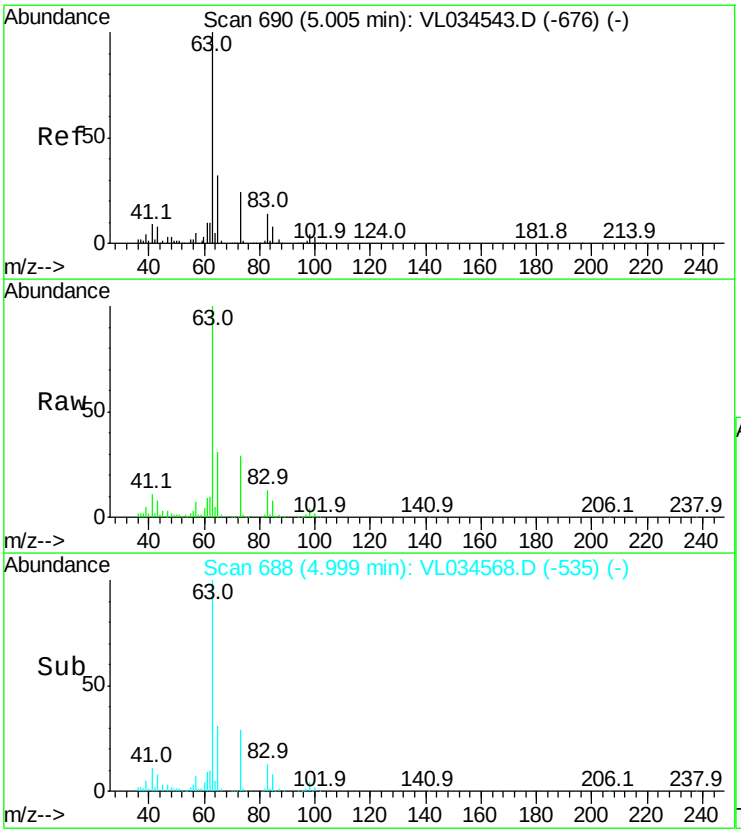
#23
Vinyl Acetate
Concen: 9.560 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1914146

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.4	8.2
42	11.0	8.9	13.3
44	6.3	5.0	7.4

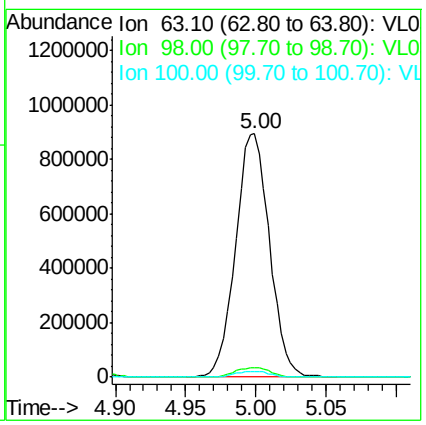


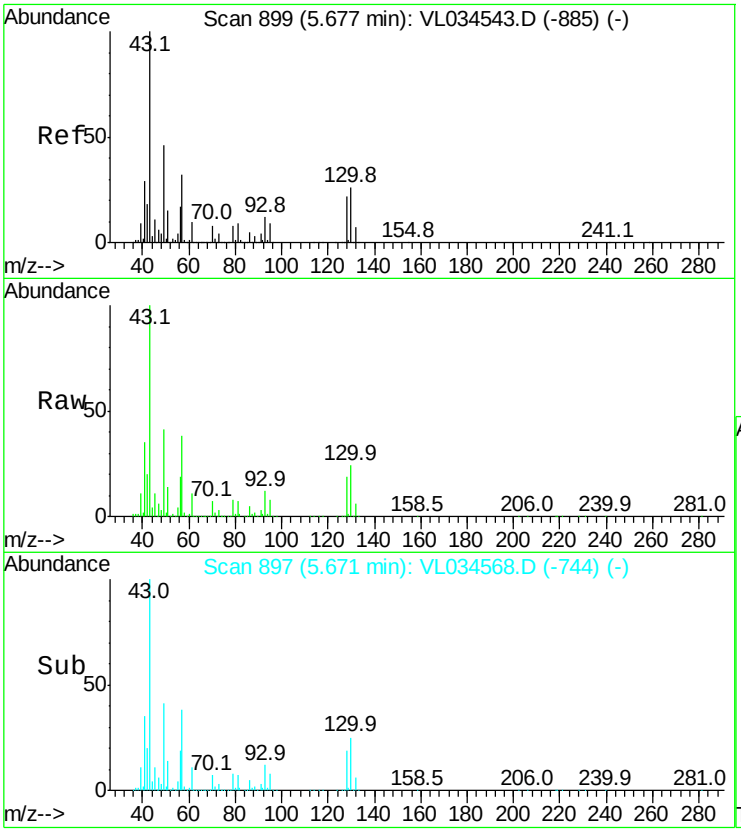


#24
1,1-Dichloroethane
Concen: 9.362 ppbv
RT: 5.00 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 63 Resp: 1506024

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.3
100	2.3	1.1	3.3



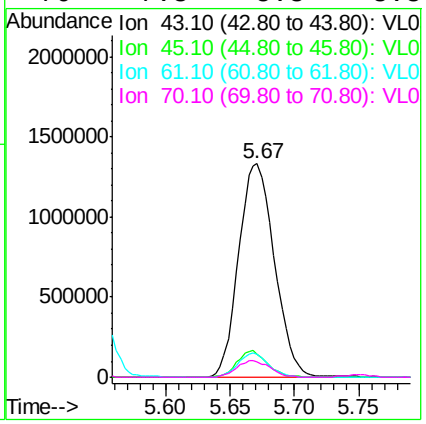


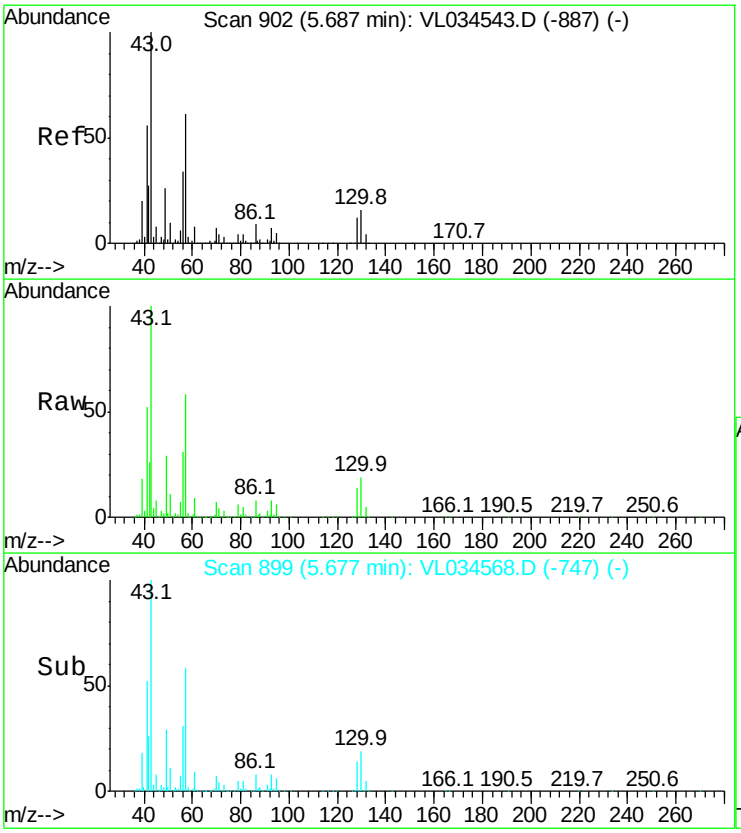
#25
Ethyl Acetate
Concen: 9.513 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 2576523

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.3	12.5
61	9.7	7.8	11.6
70	7.3	5.8	8.8

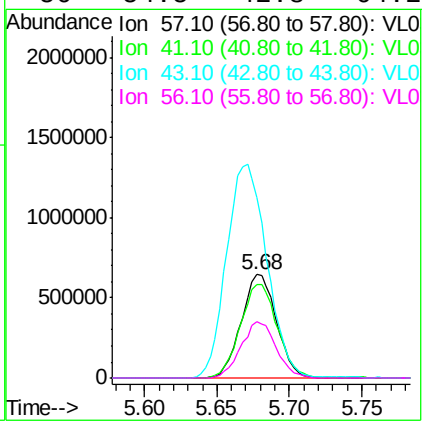


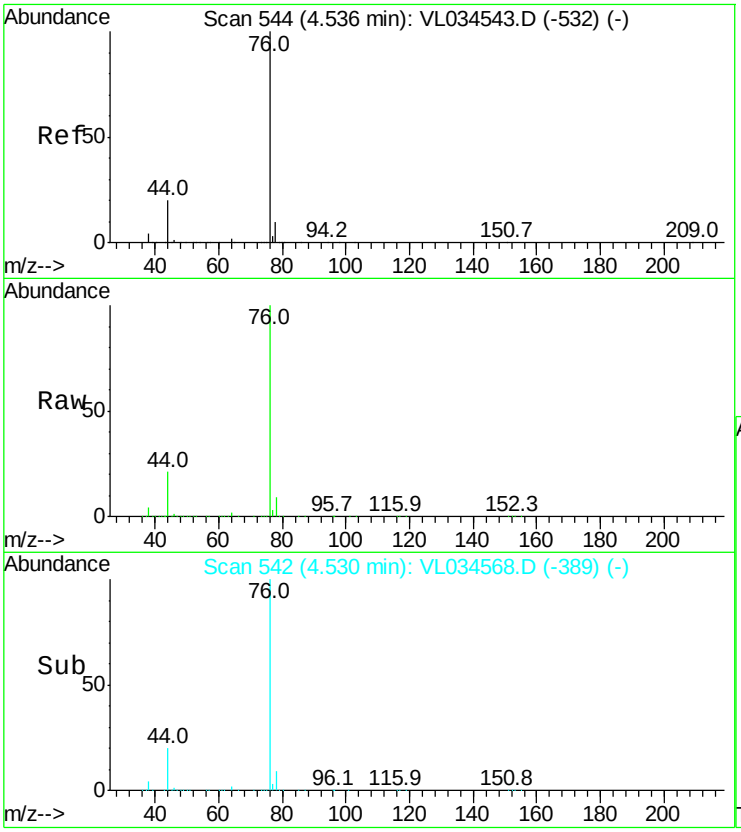


#26
Hexane
Concen: 9.566 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 57 Resp: 1091724

Ion	Ratio	Lower	Upper
57	100		
41	95.2	75.3	112.9
43	237.4	189.4	284.2
56	54.5	42.8	64.2



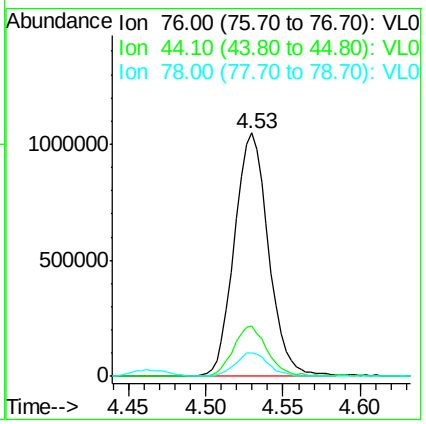


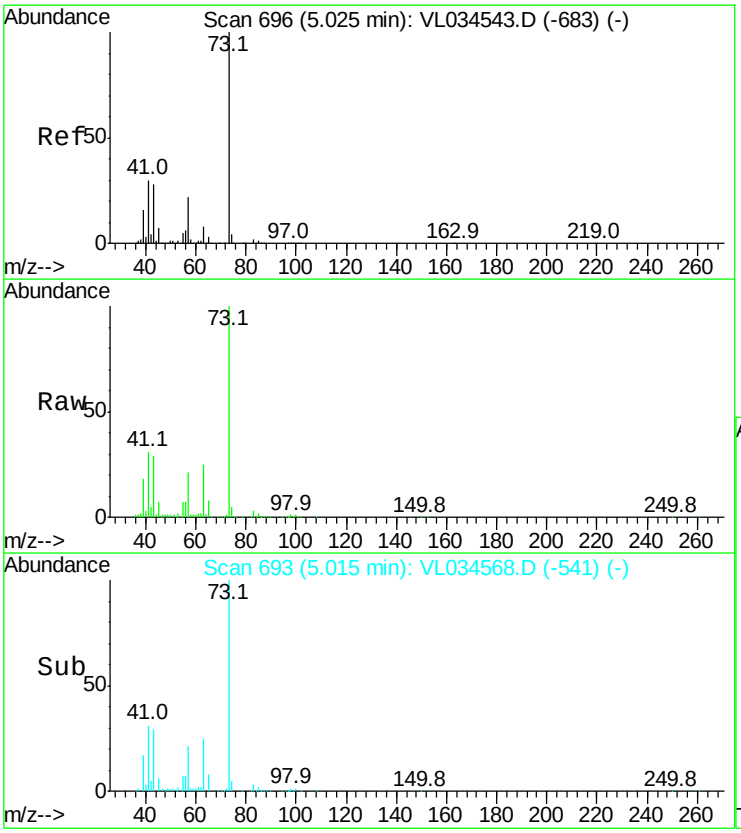
#27
Carbon Disulfide
Concen: 11.150 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 1608457

Ion	Ratio	Lower	Upper
76	100		
44	20.4	16.6	25.0
78	9.3	7.4	11.0

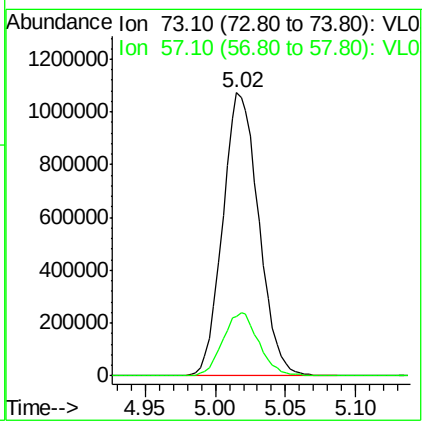


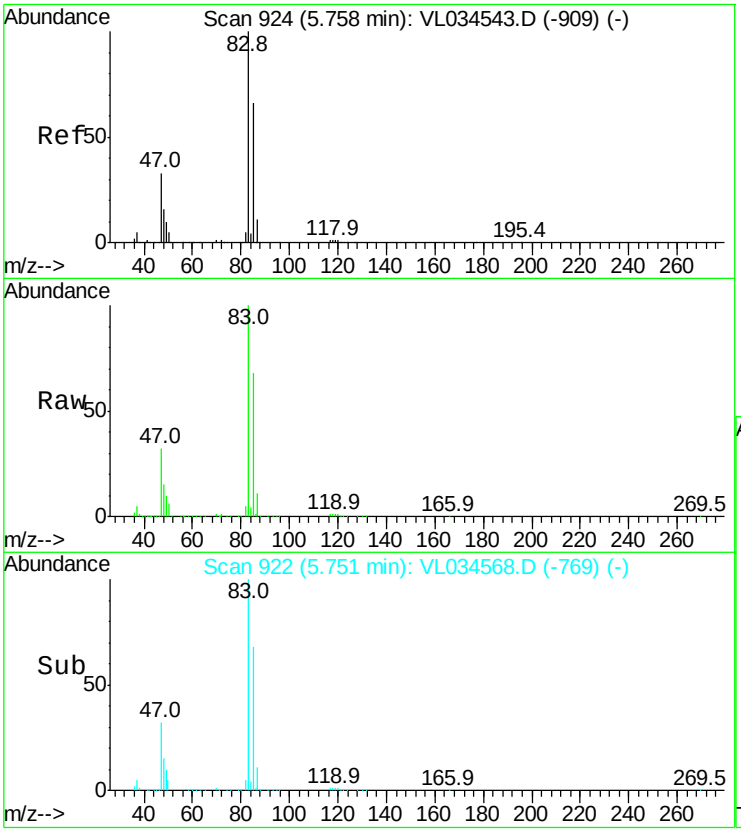


#28
Methyl tert-Butyl Ether
Concen: 10.000 ppbv
RT: 5.02 min Scan# 693
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 73 Resp: 1906155

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.2	27.2



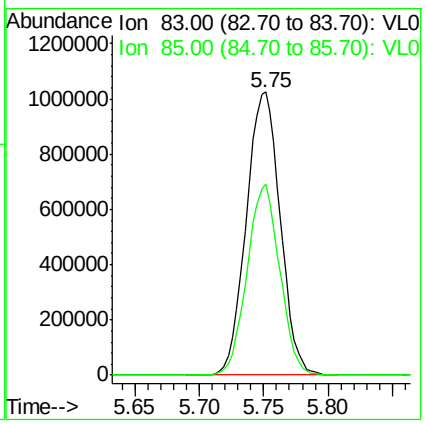


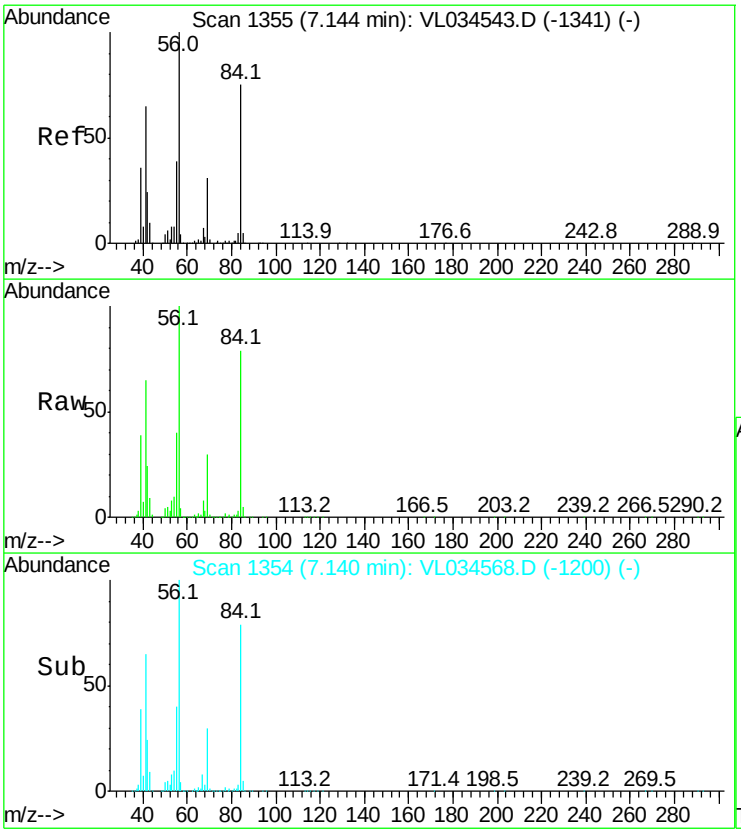
#29
Chloroform
Concen: 9.520 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 1880018

Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.0	76.6

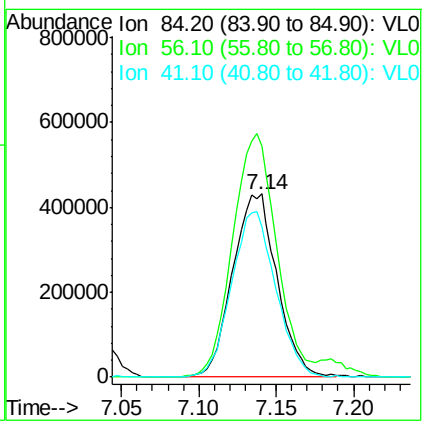


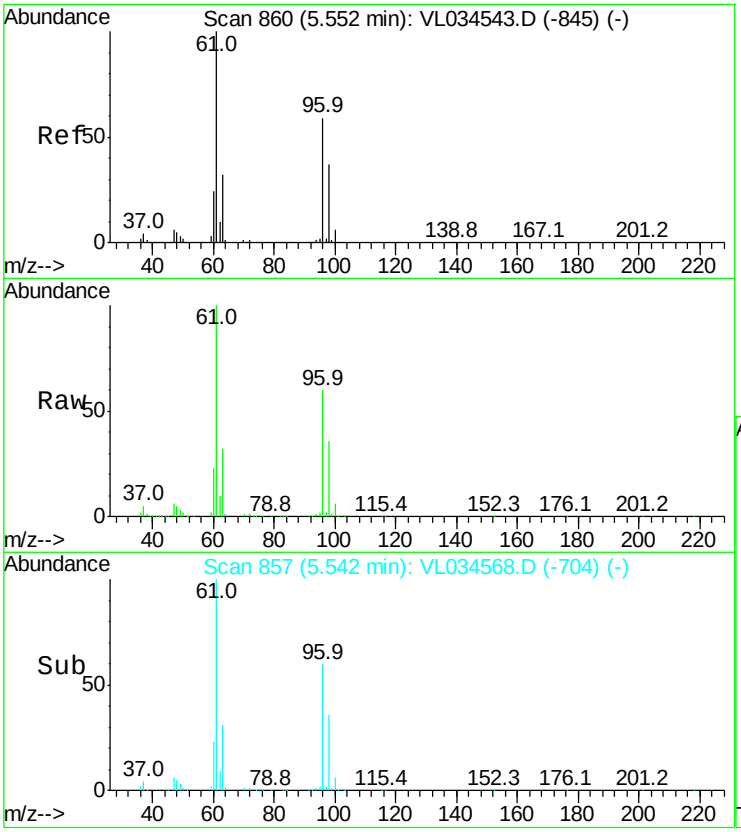


#30
Cyclohexane
Concen: 10.178 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 84 Resp: 863381

Ion	Ratio	Lower	Upper
84	100		
56	138.1	112.7	169.1
41	89.9	73.0	109.4



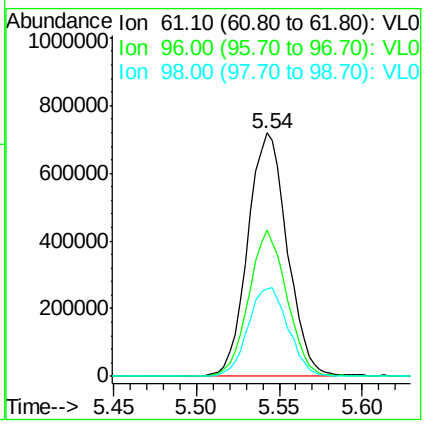


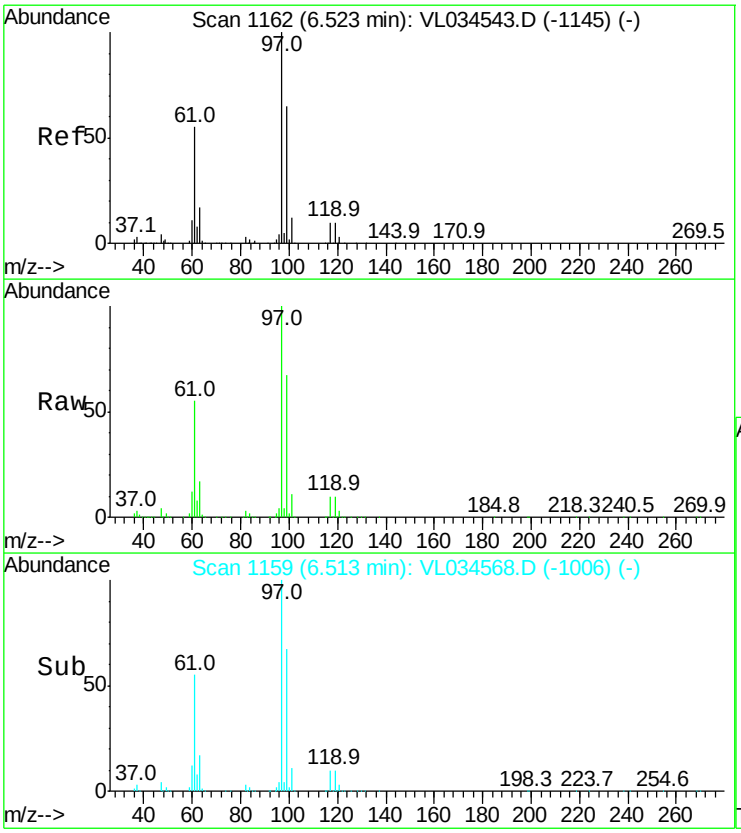
#31
cis-1,2-Dichloroethene
Concen: 10.202 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 1186481

Ion	Ratio	Lower	Upper
61	100		
96	60.0	47.1	70.7
98	35.8	31.0	46.6

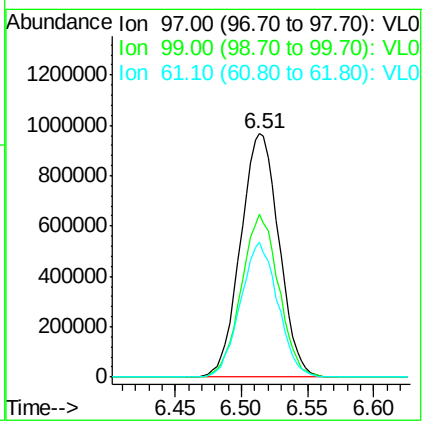


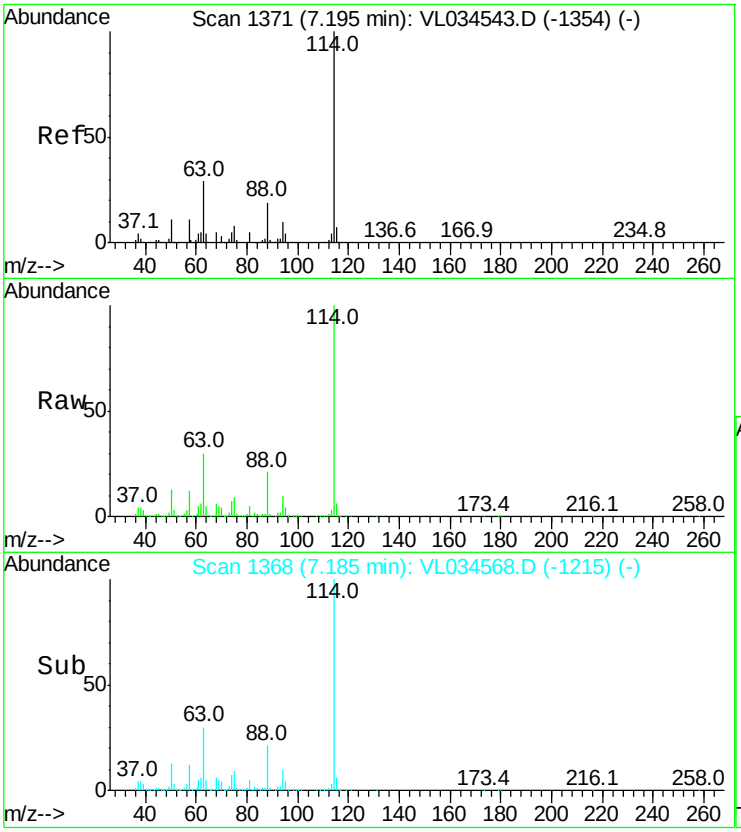


#32
1,1,1-Trichloroethane
Concen: 9.516 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 97 Resp: 1950547

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.7	77.5
61	53.7	42.9	64.3



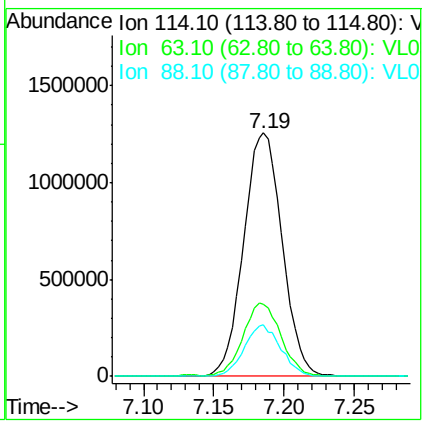


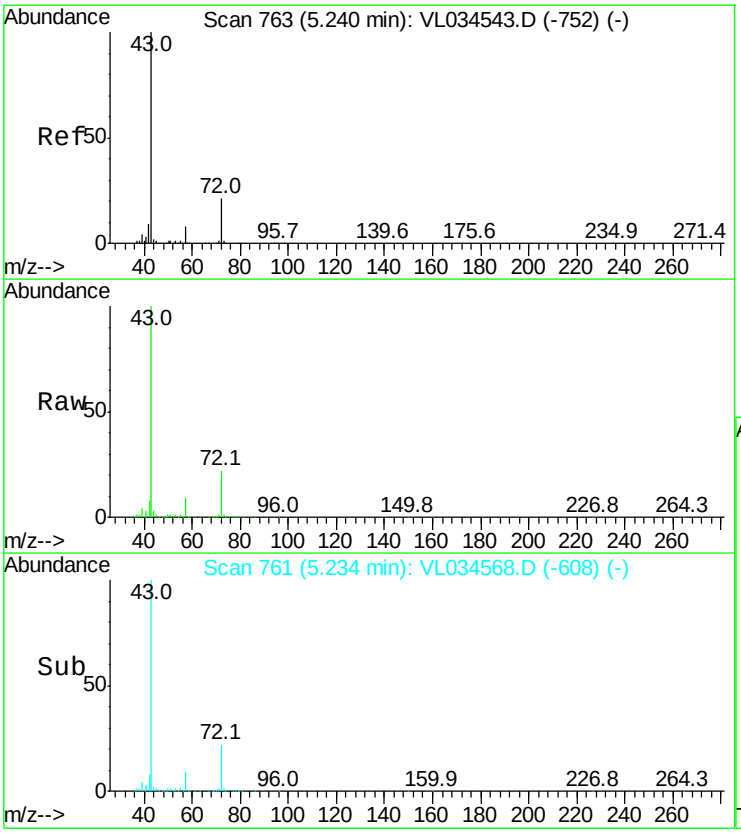
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 2406952

Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.1	36.1
88	19.9	15.7	23.5

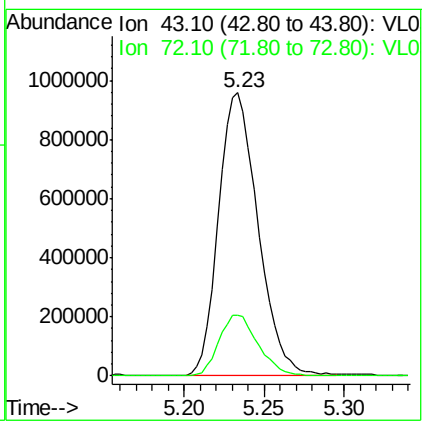


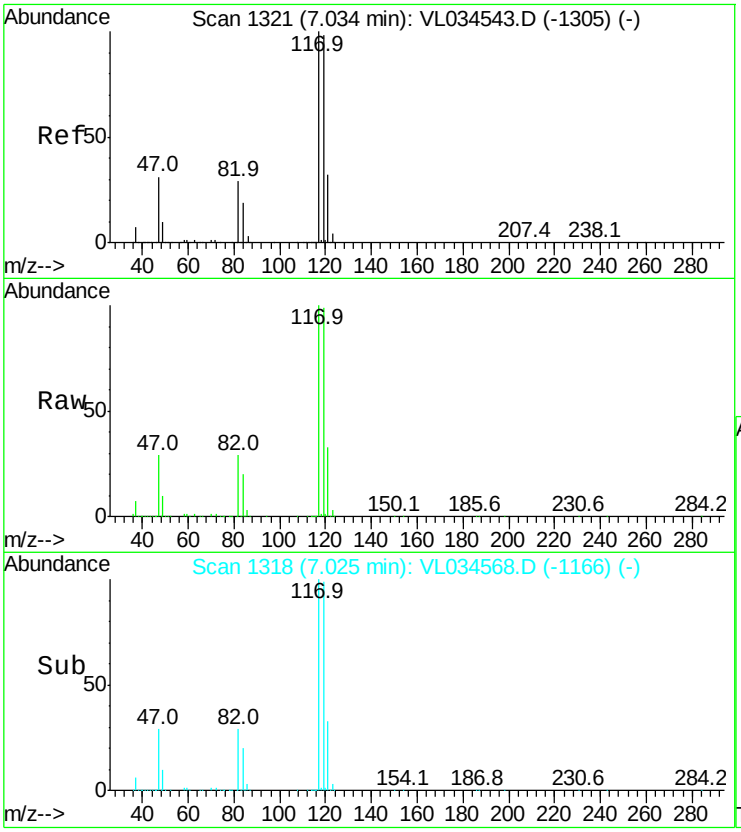


#34
2-Butanone
Concen: 9.376 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 43 Resp: 1612701

Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.0	25.4



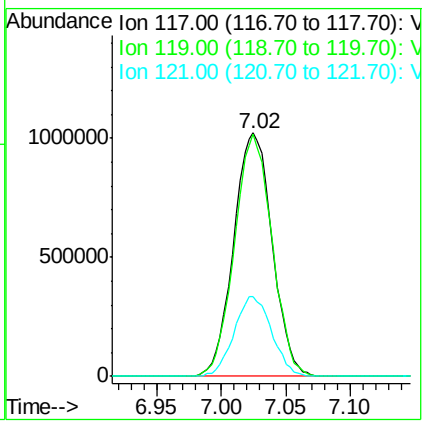


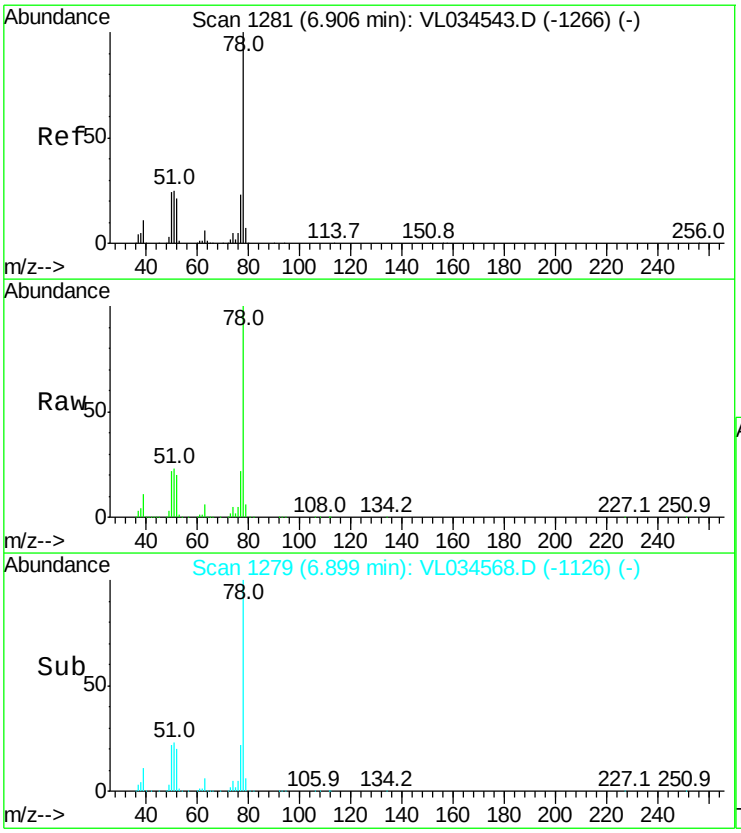
#35
Carbon Tetrachloride
Concen: 9.731 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:117 Resp: 2124035

Ion	Ratio	Lower	Upper
117	100		
119	99.4	78.7	118.1
121	32.7	25.9	38.9

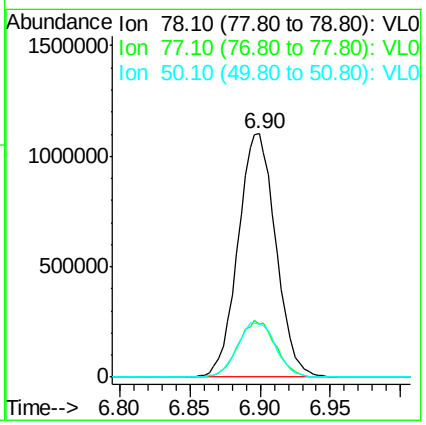


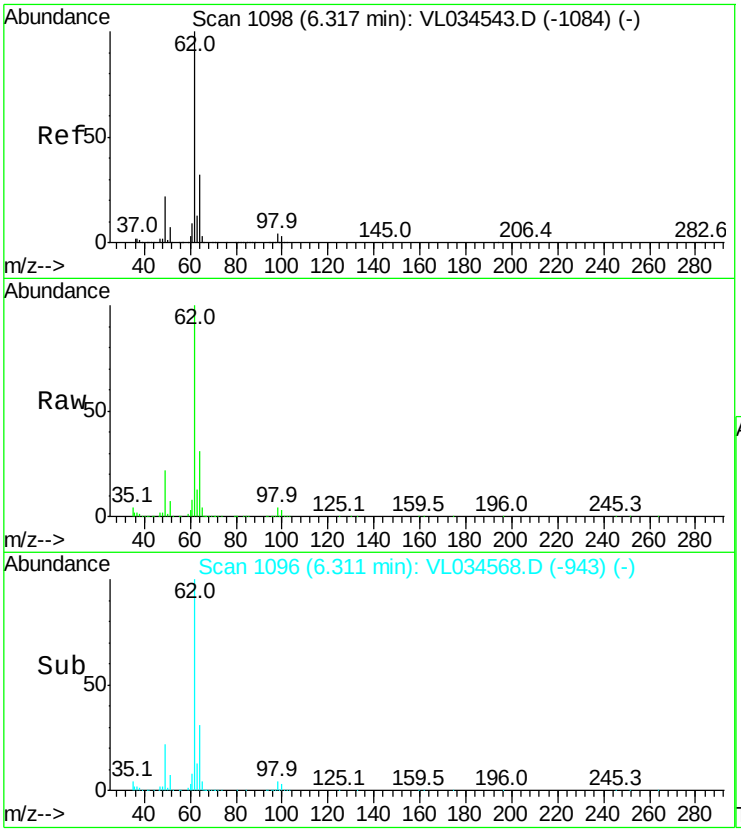


#36
Benzene
Concen: 9.845 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 78 Resp: 2065649

Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.6	28.0
50	21.8	18.8	28.2



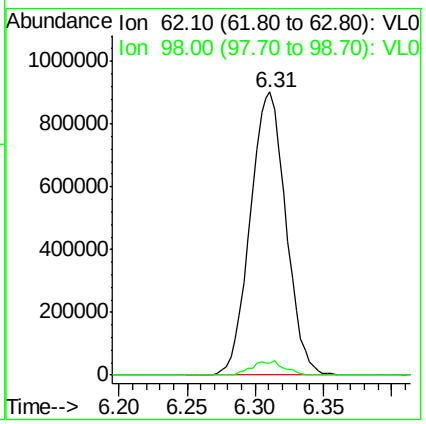


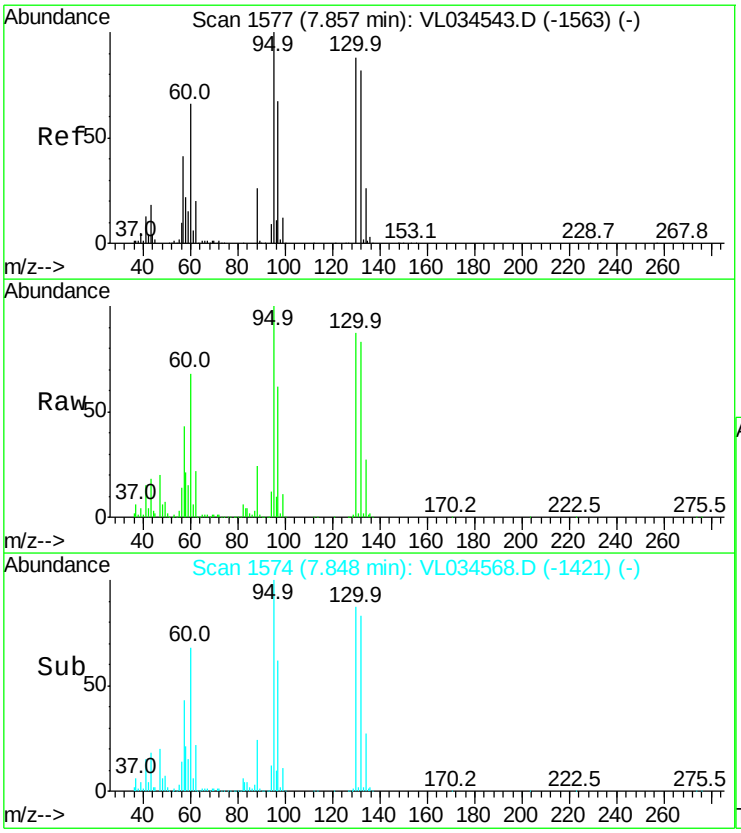
#37
1,2-Dichloroethane
Concen: 9.591 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 62 Resp: 1634178

Ion	Ratio	Lower	Upper
62	100		
98	4.6	3.8	5.6

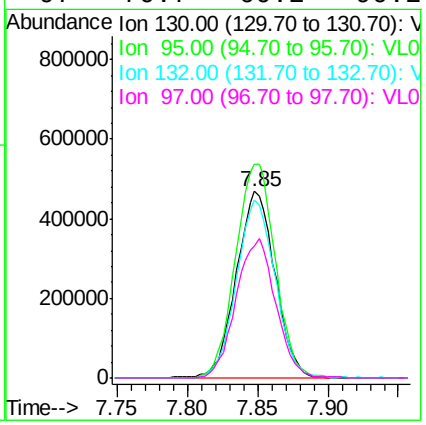


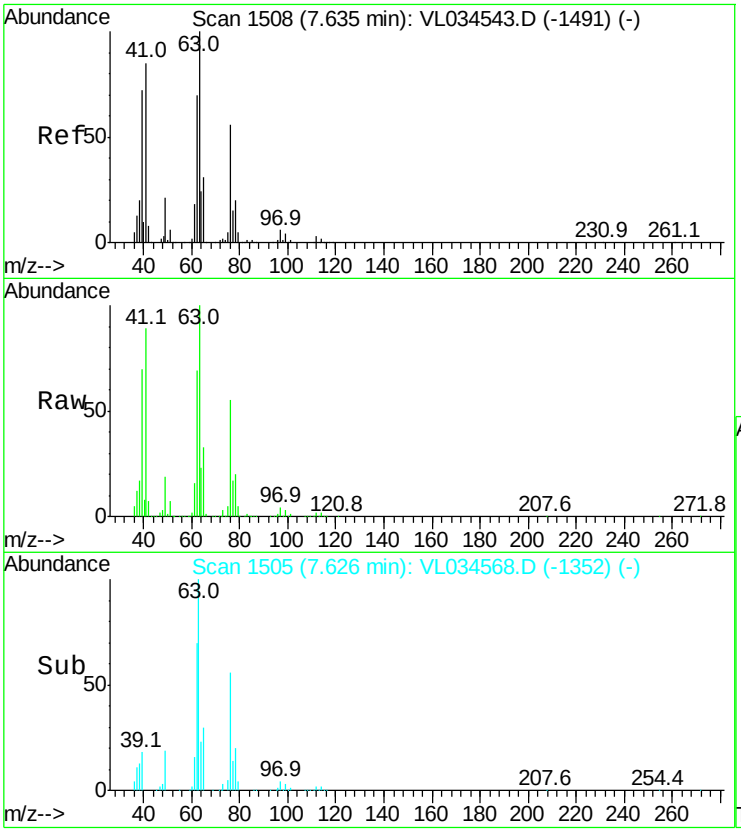


#38
Trichloroethene
Concen: 10.600 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:130 Resp: 898430

Ion	Ratio	Lower	Upper
130	100		
95	114.5	94.2	141.2
132	95.1	76.1	114.1
97	70.7	60.2	90.2



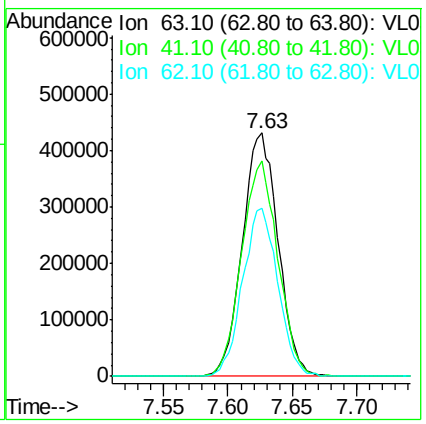


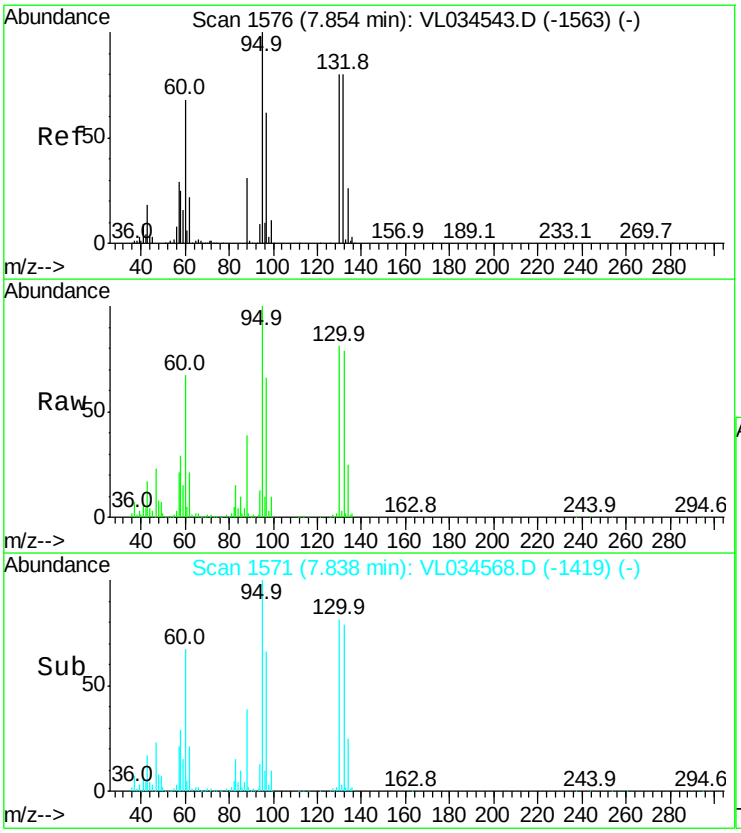
#39
1,2-Dichloropropane
Concen: 9.673 ppbv
RT: 7.63 min Scan# 1505
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 63 Resp: 834530

Ion	Ratio	Lower	Upper
63	100		
41	88.7	66.1	99.1
62	69.2	54.9	82.3

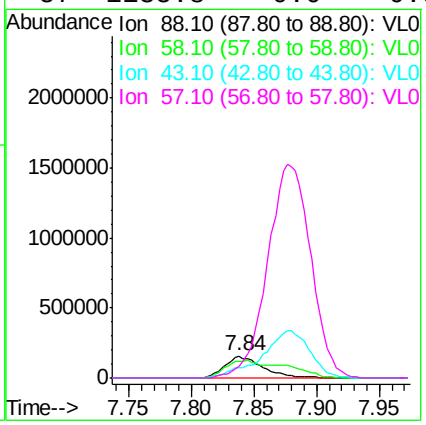


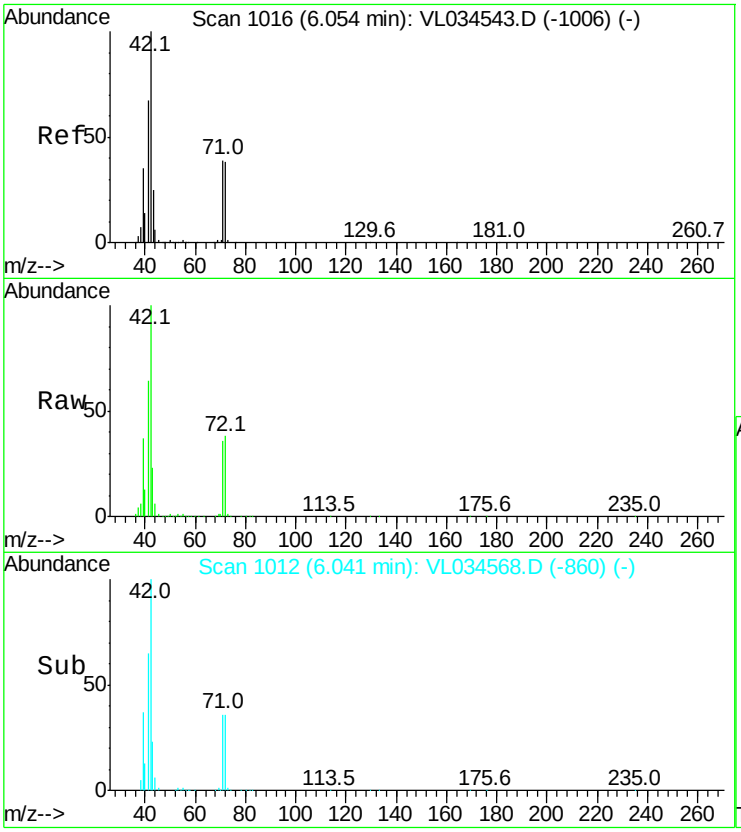


#40
1,4-Dioxane
Concen: 9.266 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 88 Resp: 323543

Ion	Ratio	Lower	Upper
88	100		
58	134.8	107.9	161.9
43	276.1	0.0	0.0#
57	1135.8	0.0	0.0#



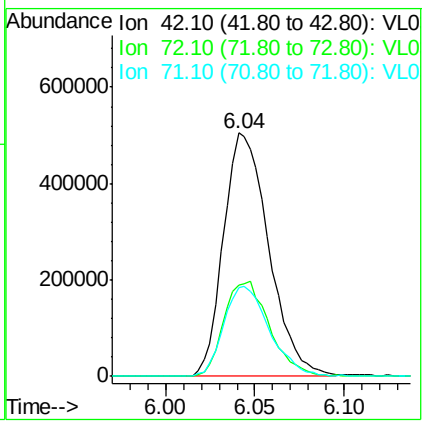


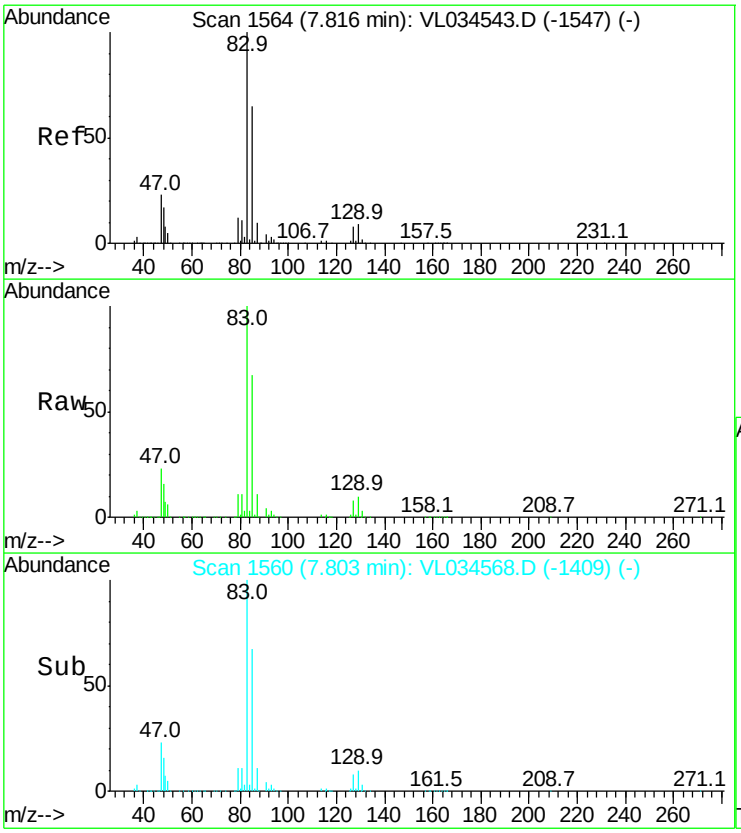
#41
Tetrahydrofuran
Concen: 10.034 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 885312

Ion	Ratio	Lower	Upper
42	100		
72	39.8	30.9	46.3
71	37.8	28.9	43.3

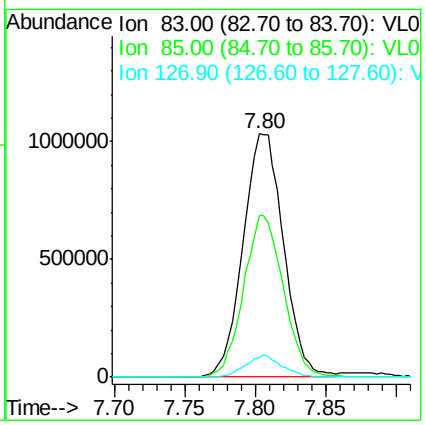


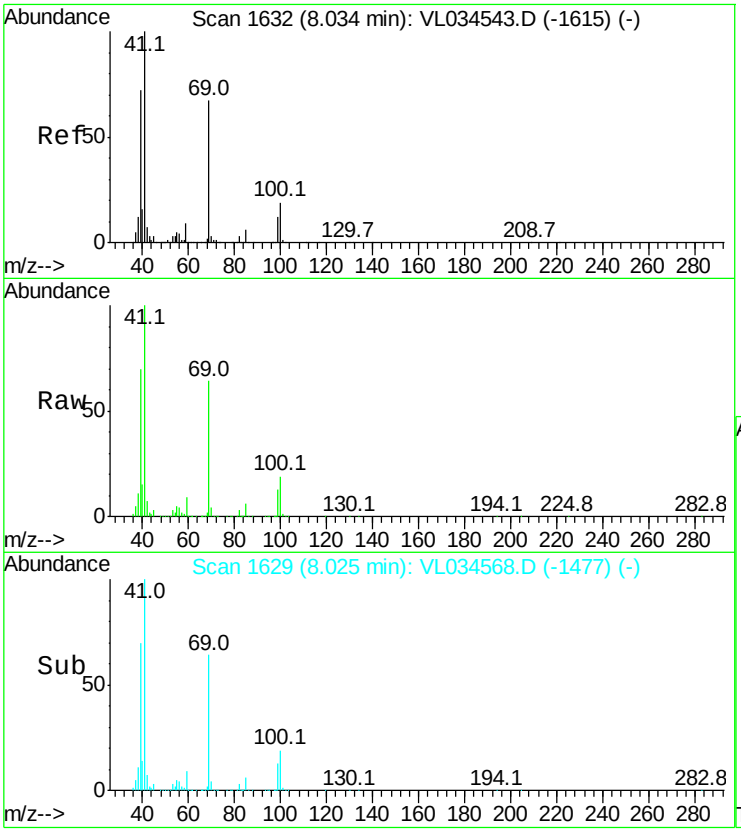


#42
Bromodichloromethane
Concen: 9.933 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 83 Resp: 2082504

Ion	Ratio	Lower	Upper
83	100		
85	66.5	49.4	74.2
127	8.1	6.2	9.4



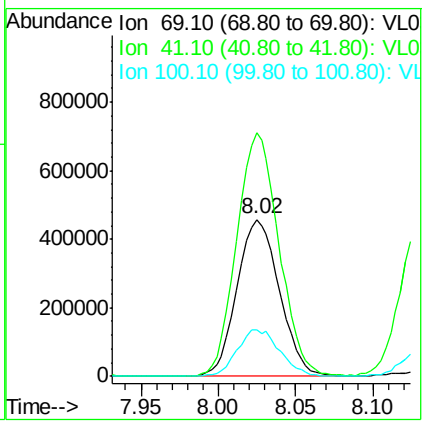


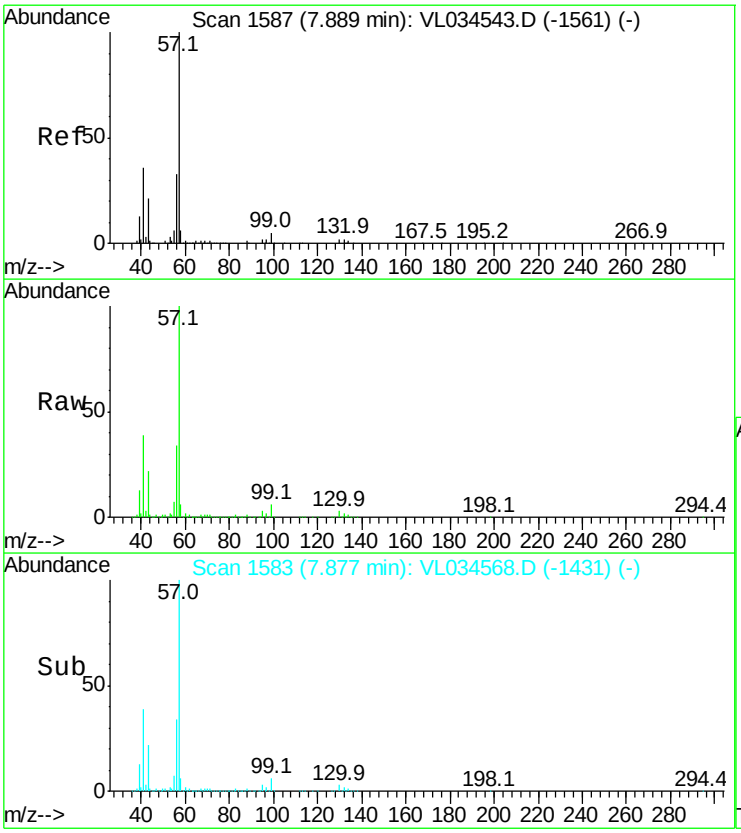
#43
Methyl Methacrylate
Concen: 10.166 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 69 Resp: 870065

Ion	Ratio	Lower	Upper
69	100		
41	154.9	124.0	186.0
100	30.1	23.1	34.7

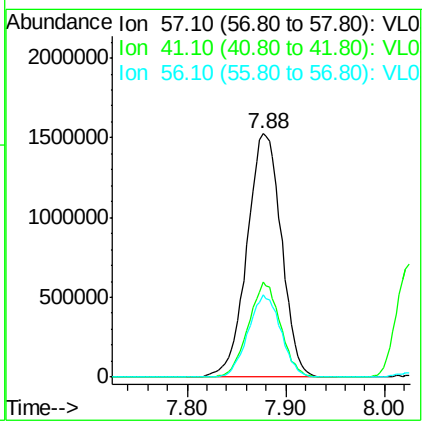


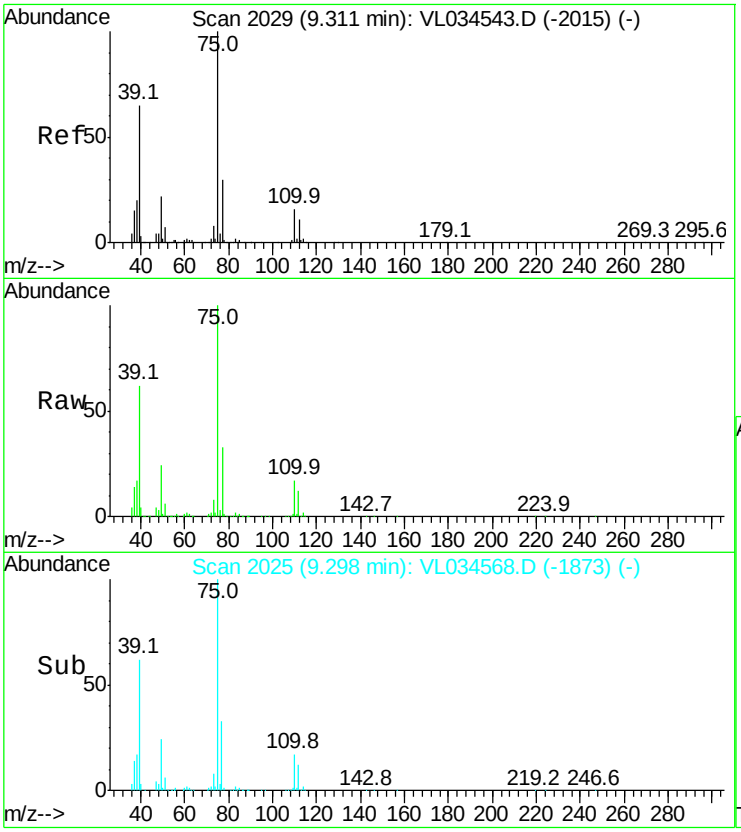


#44
2,2,4-Trimethylpentane
Concen: 9.462 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 57 Resp: 3672612

Ion	Ratio	Lower	Upper
57	100		
41	36.1	29.0	43.4
56	31.9	24.9	37.3



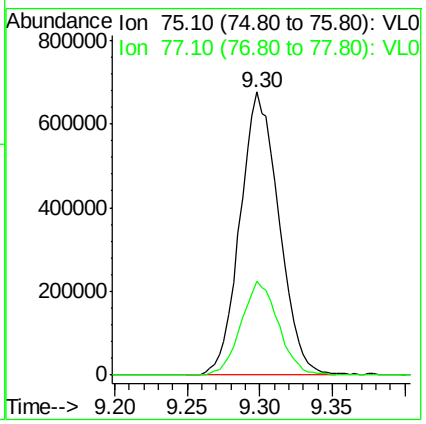


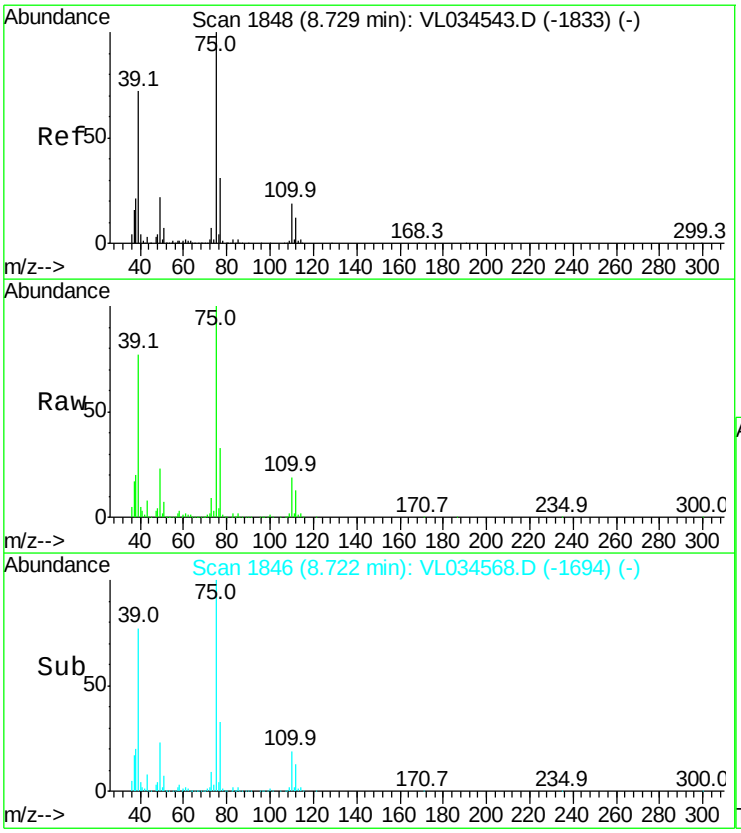
#45
t-1,3-Dichloropropene
Concen: 11.450 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 1262308

Ion	Ratio	Lower	Upper
75	100		
77	33.4	24.2	36.2

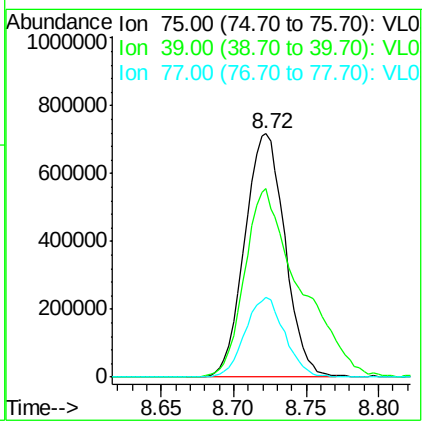


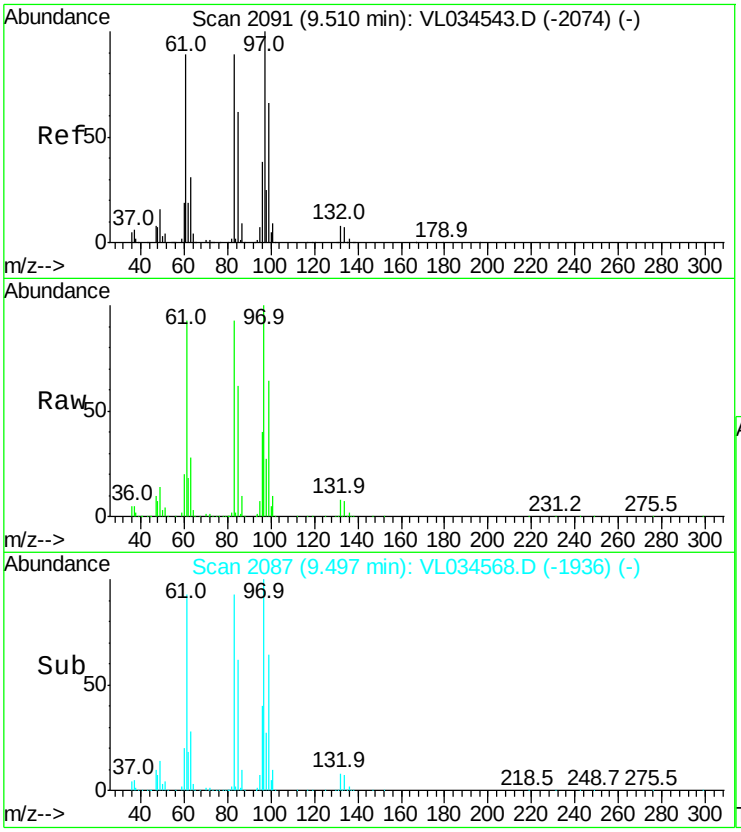


#46
cis-1,3-Dichloropropene
Concen: 11.028 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 75 Resp: 1389868

Ion	Ratio	Lower	Upper
75	100		
39	77.4	60.5	90.7
77	32.6	24.8	37.2



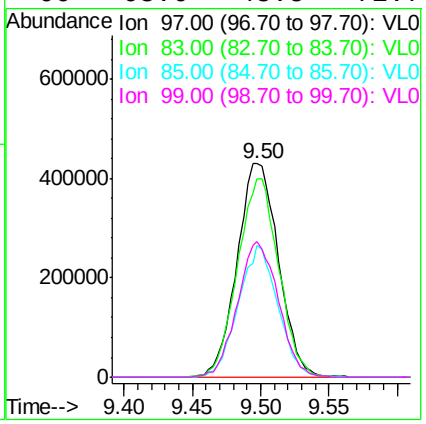


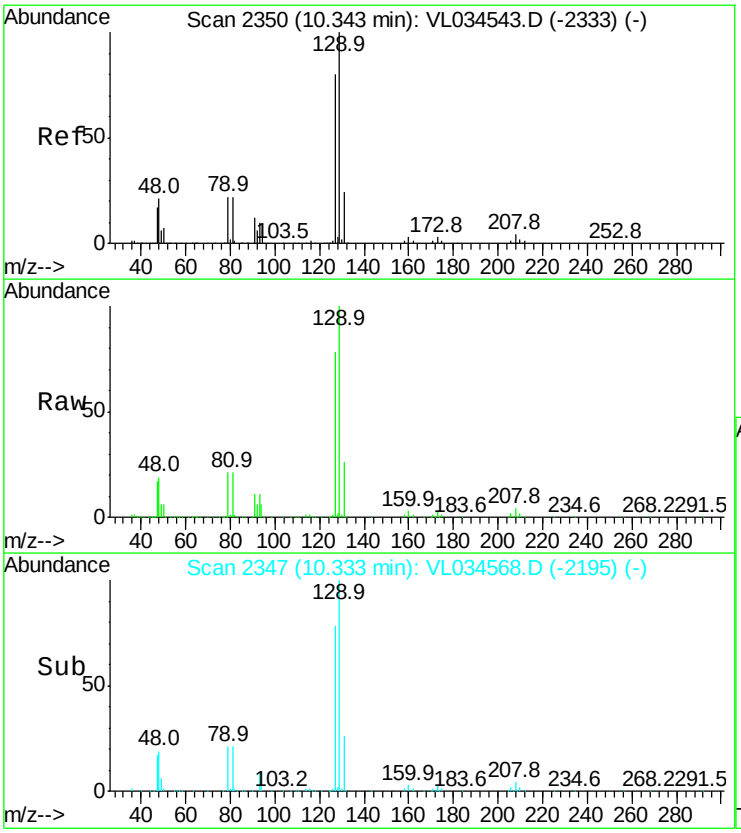
#47
1,1,2-Trichloroethane
Concen: 9.525 ppbv
RT: 9.50 min Scan# 2087
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 905911

Ion	Ratio	Lower	Upper
97	100		
83	93.0	75.0	112.4
85	61.5	48.2	72.4
99	63.6	48.5	72.7

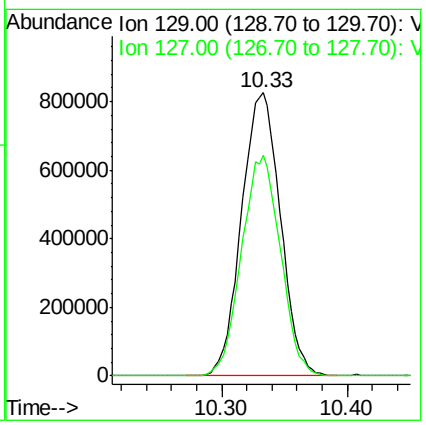


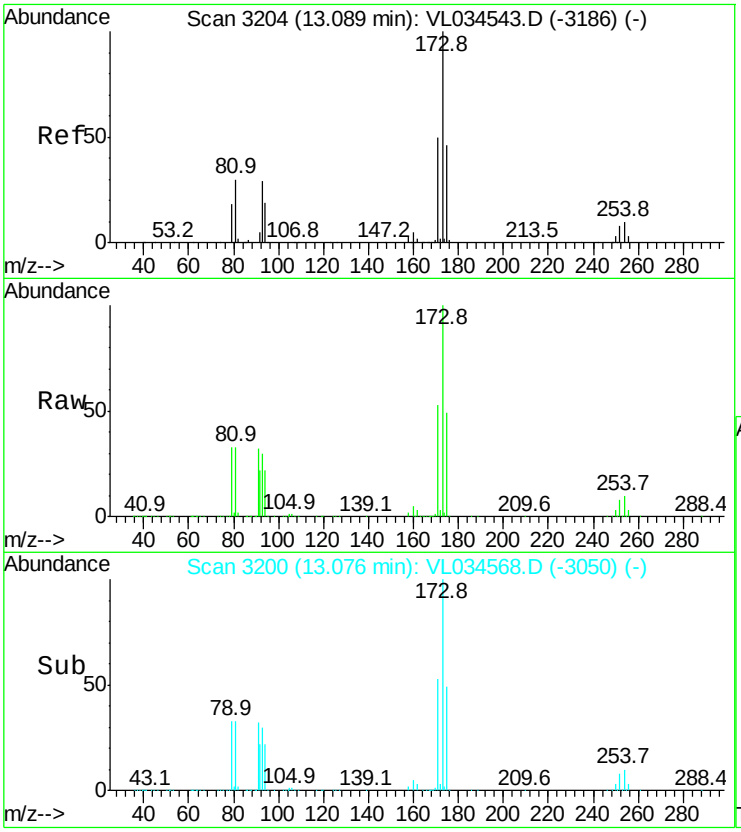


#48
Dibromochloromethane
Concen: 10.790 ppbv
RT: 10.33 min Scan# 2347
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:129 Resp: 1778931

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.4	118.2



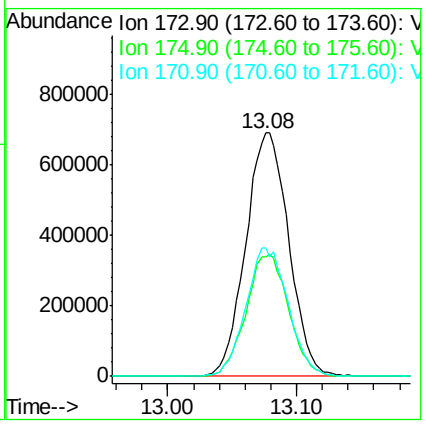


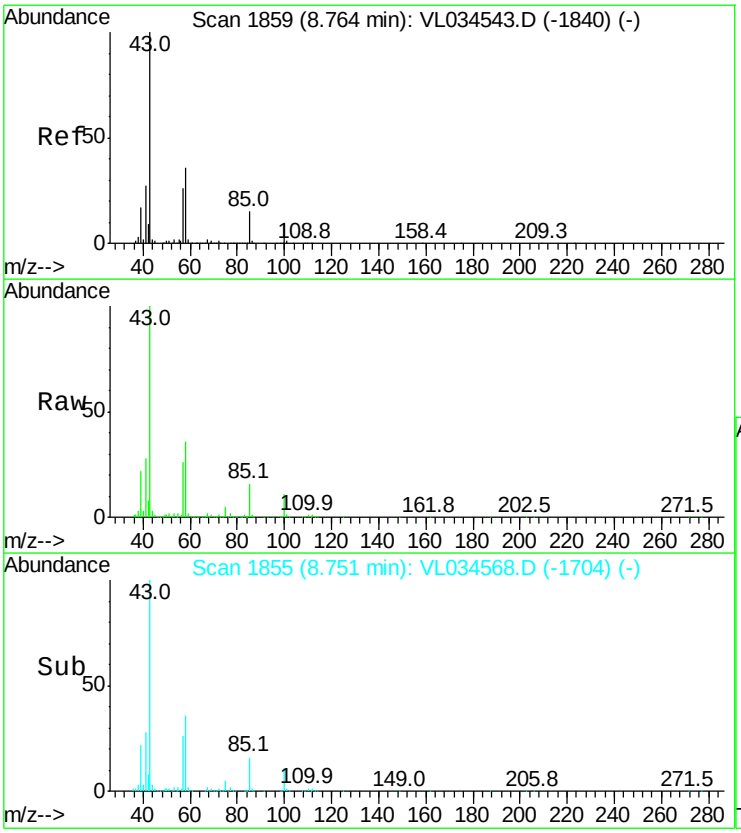
#49
Bromoform
Concen: 10.728 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:173 Resp: 1601306

Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.8	59.8
171	52.0	42.1	63.1

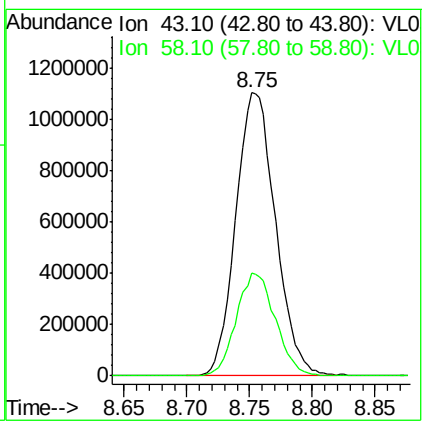


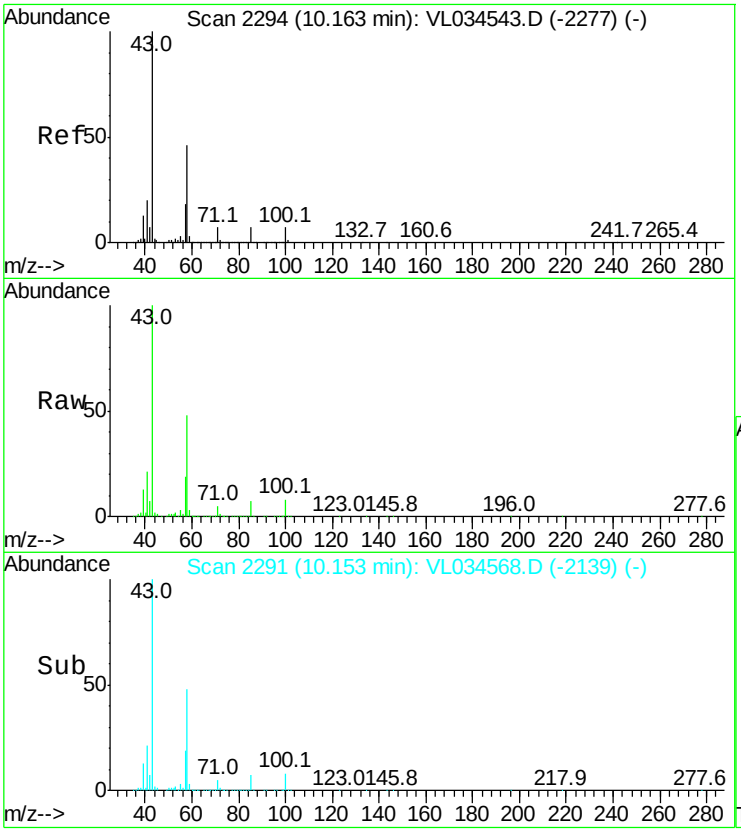


#50
4-Methyl-2-Pentanone
Concen: 9.733 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 43 Resp: 2430082

Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.2	42.2



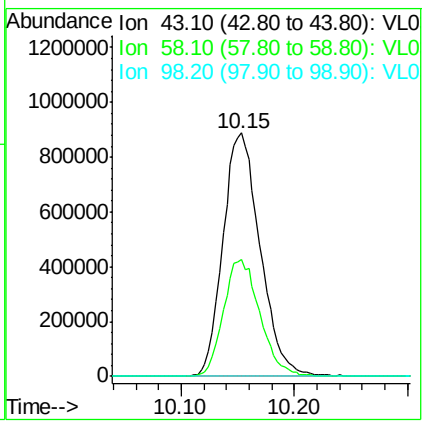


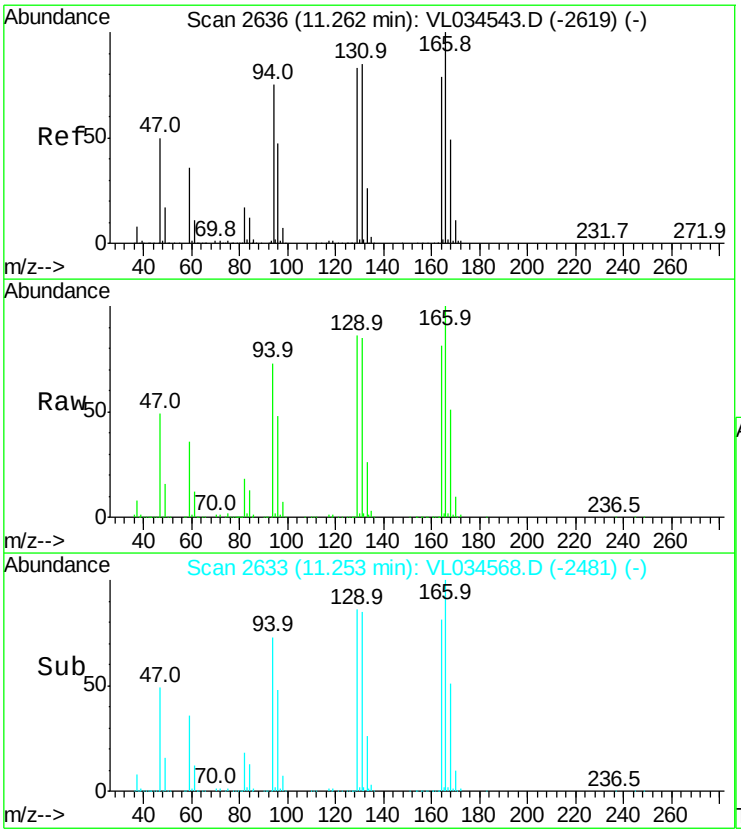
#51
2-Hexanone
Concen: 10.043 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 2024126

Ion	Ratio	Lower	Upper
43	100		
58	47.4	37.4	56.0
98	0.4	0.2	0.2#

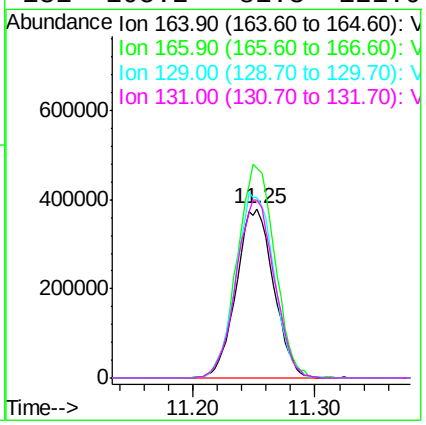


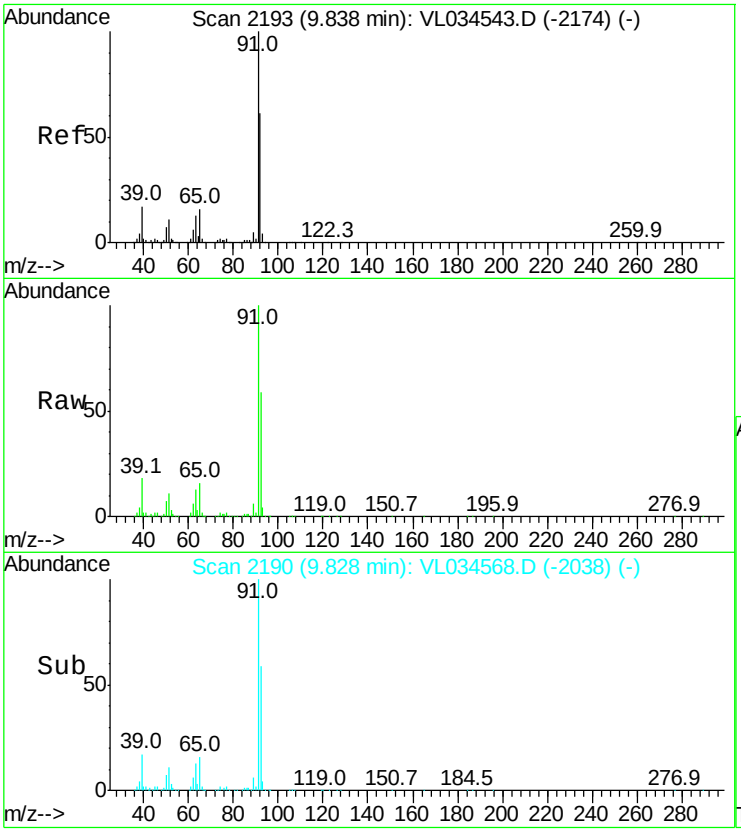


#52
Tetrachloroethene
Concen: 9.781 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:164 Resp: 800872

Ion	Ratio	Lower	Upper
164	100		
166	123.7	95.7	143.5
129	106.6	82.2	123.2
131	105.2	81.3	121.9



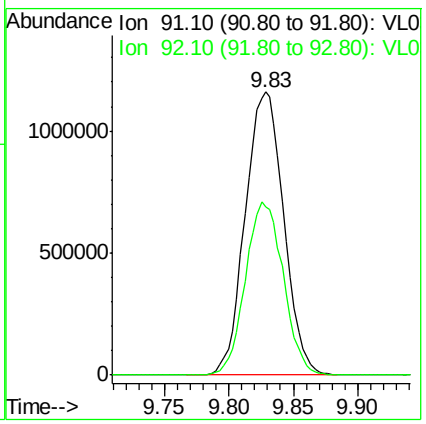


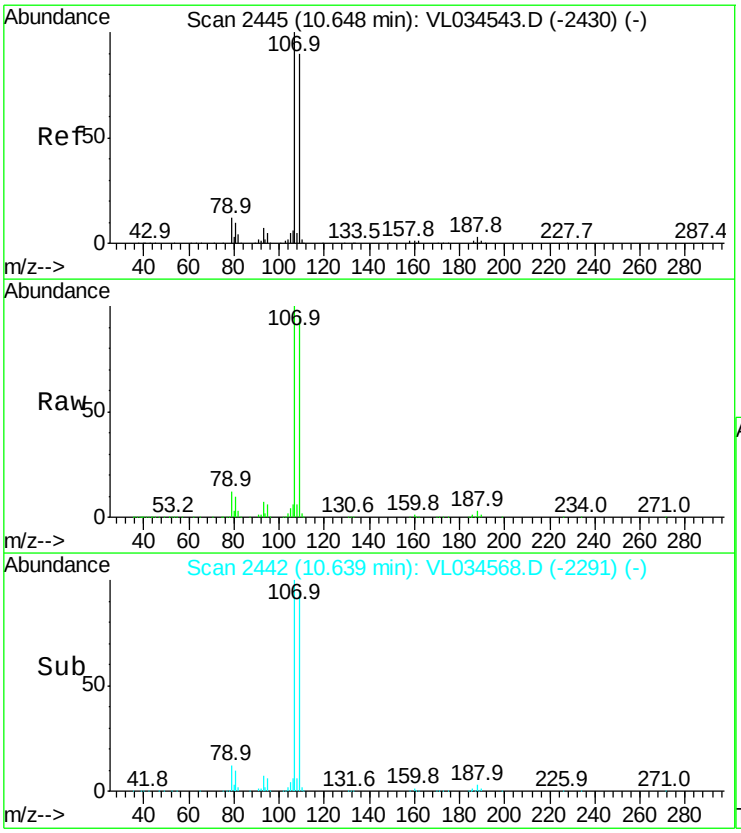
#53
Toluene
Concen: 10.460 ppbv
RT: 9.83 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2411244

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.4	72.6

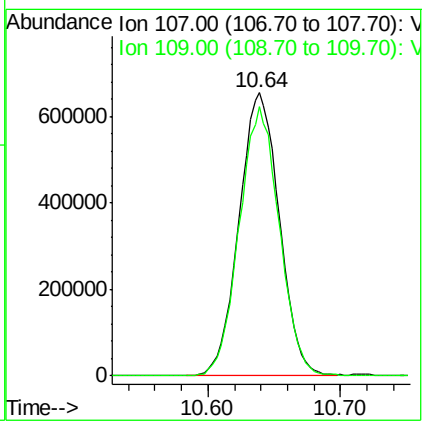


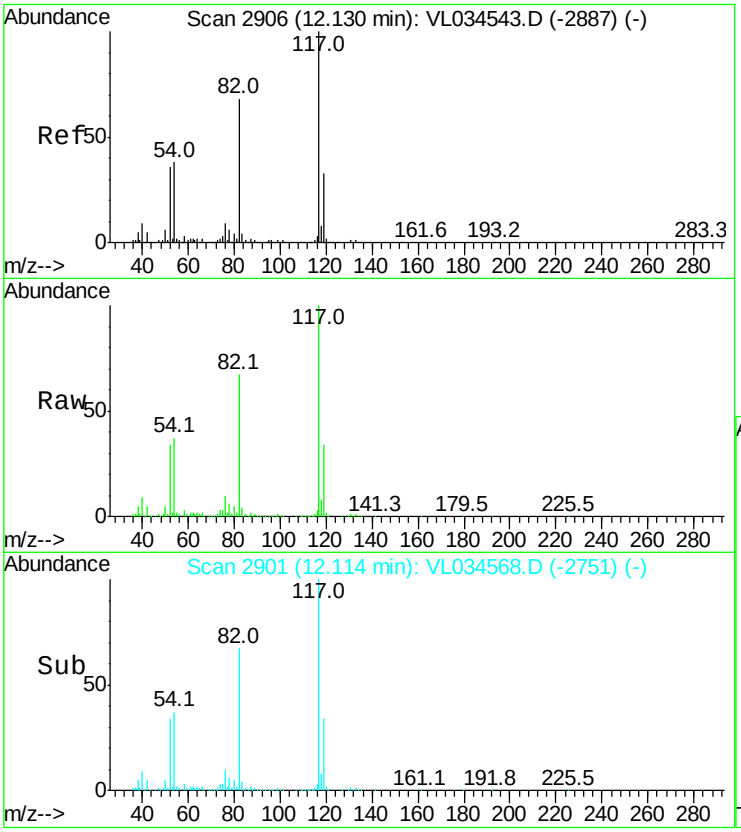


#54
1,2-Dibromoethane
Concen: 9.980 ppbv
RT: 10.64 min Scan# 2442
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:107 Resp: 1381271

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.5	113.3



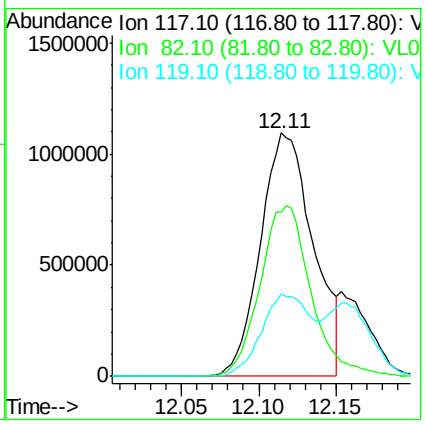


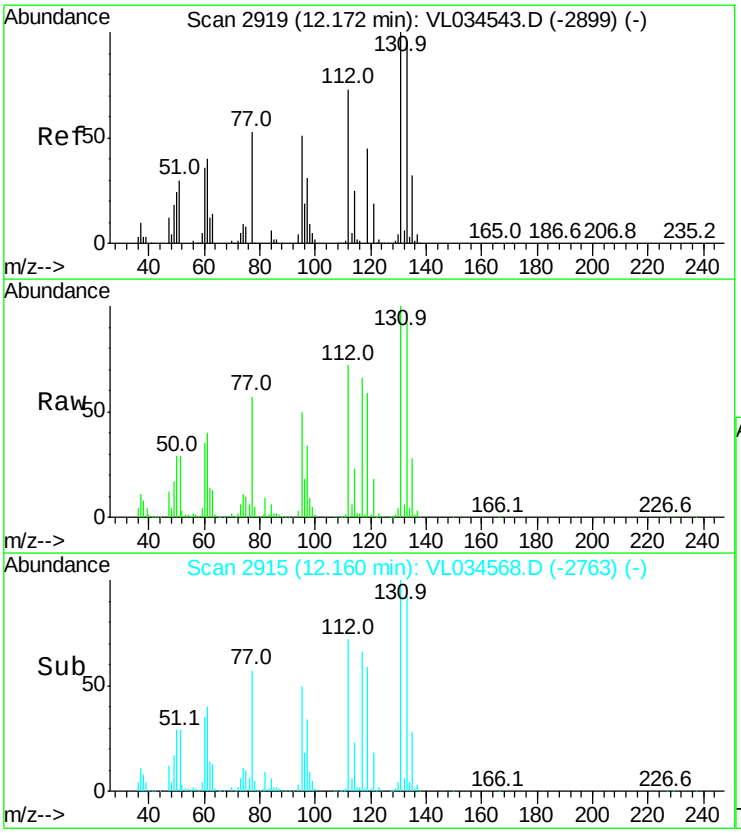
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:117 Resp: 2599794

Ion	Ratio	Lower	Upper
117	100		
82	67.8	56.2	84.4
119	32.6	27.1	40.7

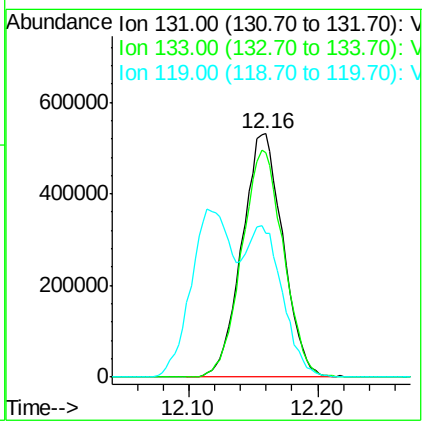


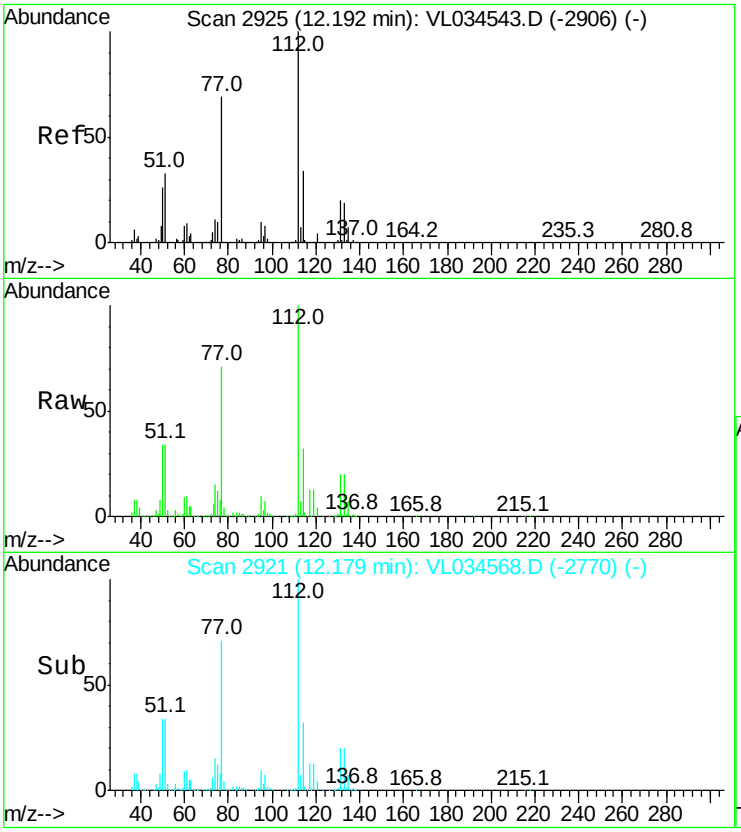


#56
1,1,1,2-Tetrachloroethane
Concen: 9.368 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:131 Resp: 1175658

Ion	Ratio	Lower	Upper
131	100		
133	94.8	76.2	114.2
119	58.8	47.1	70.7



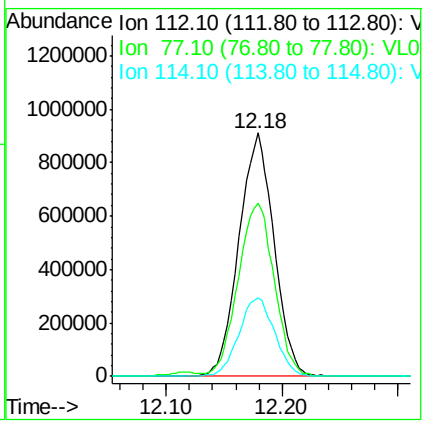


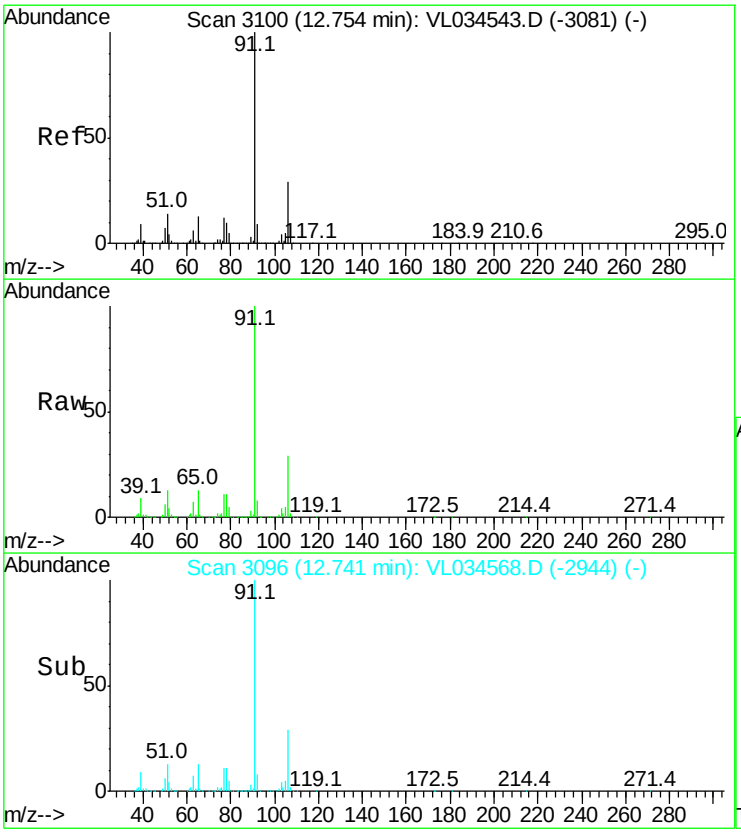
#57
Chlorobenzene
Concen: 8.936 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:112 Resp: 1916724

Ion	Ratio	Lower	Upper
112	100		
77	70.6	57.4	86.0
114	32.4	28.4	34.8

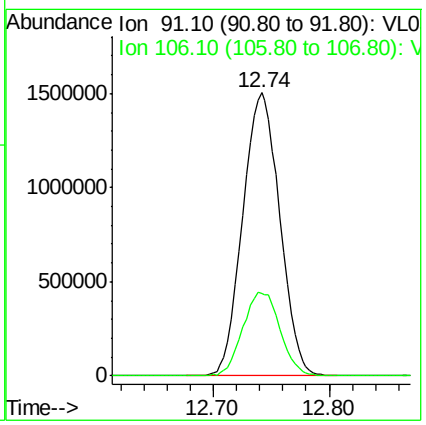


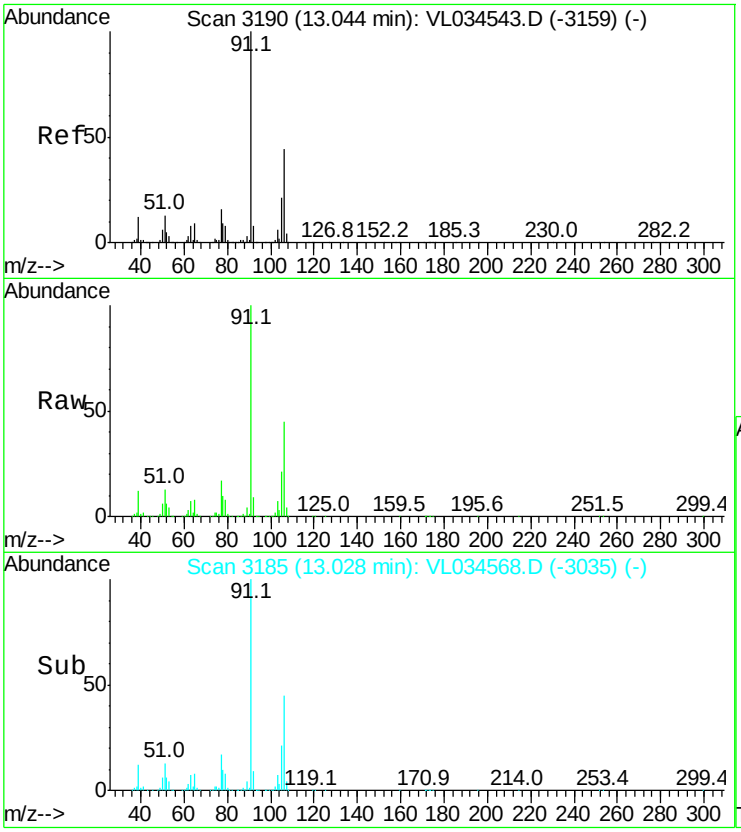


#58
Ethyl Benzene
Concen: 9.537 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 91 Resp: 3343669

Ion	Ratio	Lower	Upper
91	100		
106	29.1	24.6	36.8



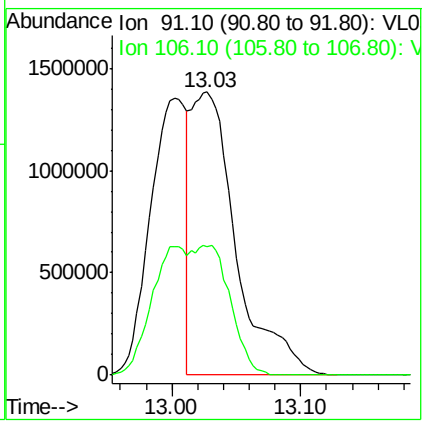


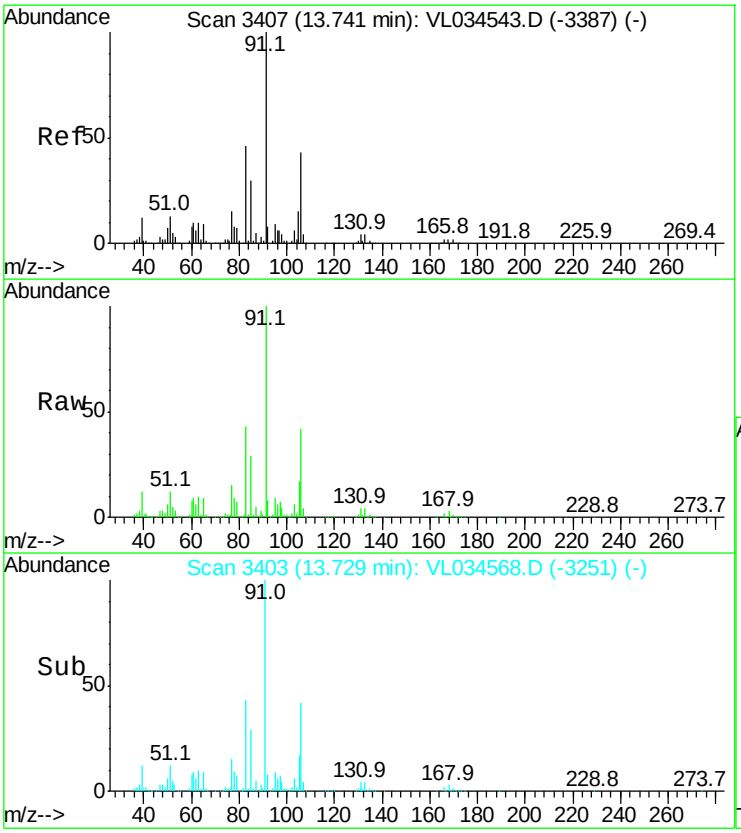
#59
m/p-Xylene
Concen: 10.878 ppbv
RT: 13.03 min Scan# 3185
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 3335232

Ion	Ratio	Lower	Upper
91	100		
106	75.4	35.6	53.4#

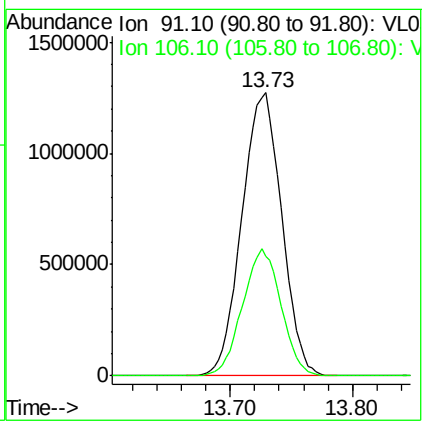


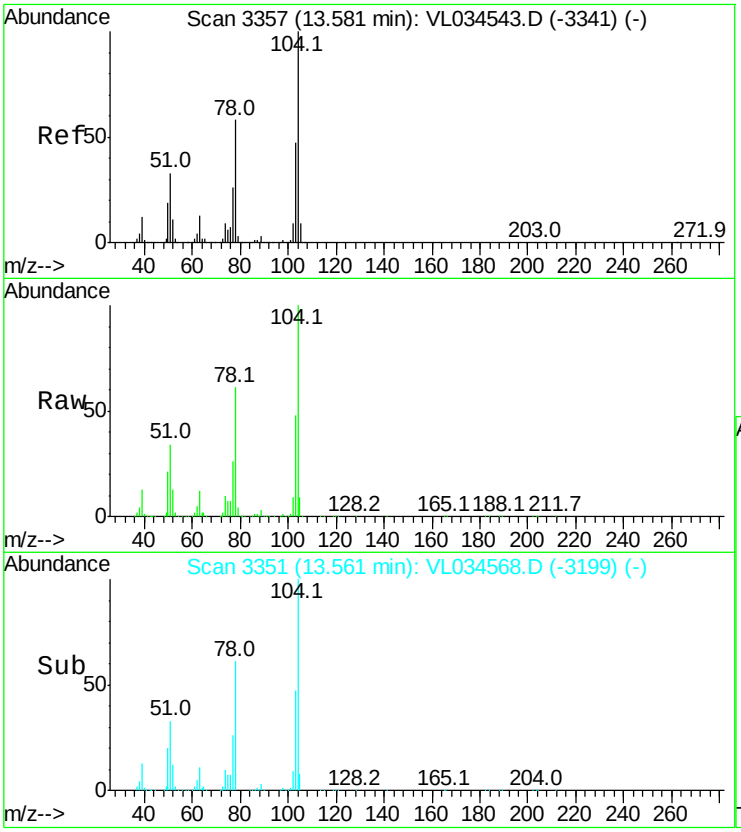


#60
o-Xylene
Concen: 9.327 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 91 Resp: 2869428

Ion	Ratio	Lower	Upper
91	100		
106	43.3	21.4	64.3



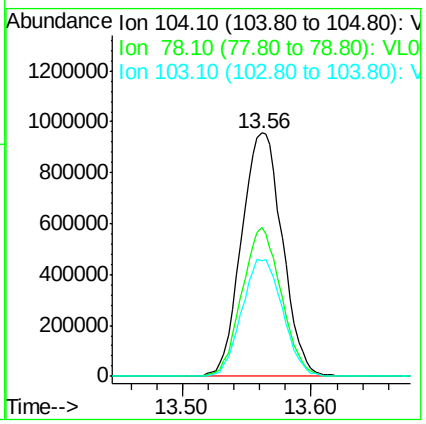


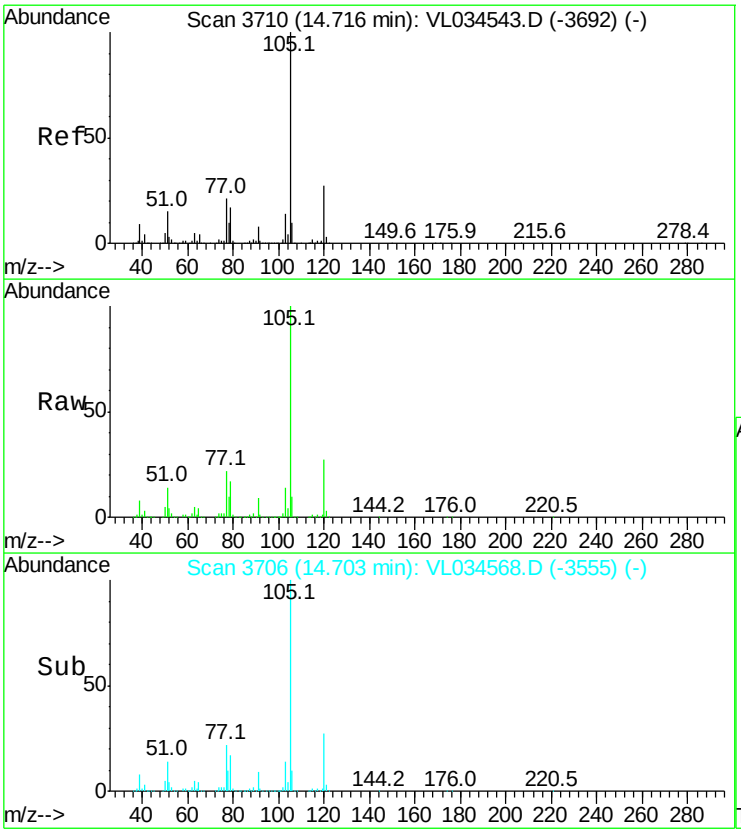
#61
Styrene
Concen: 10.023 ppbv
RT: 13.56 min Scan# 3351
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:104 Resp: 2108288

Ion	Ratio	Lower	Upper
104	100		
78	58.8	47.7	71.5
103	48.1	38.6	58.0

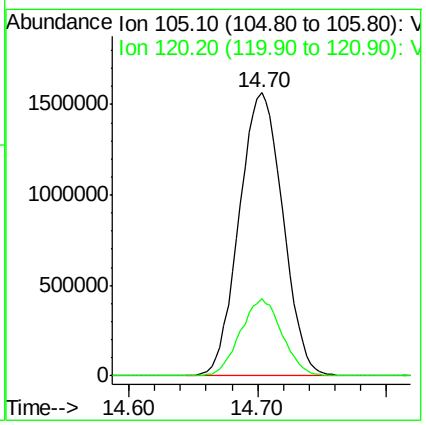


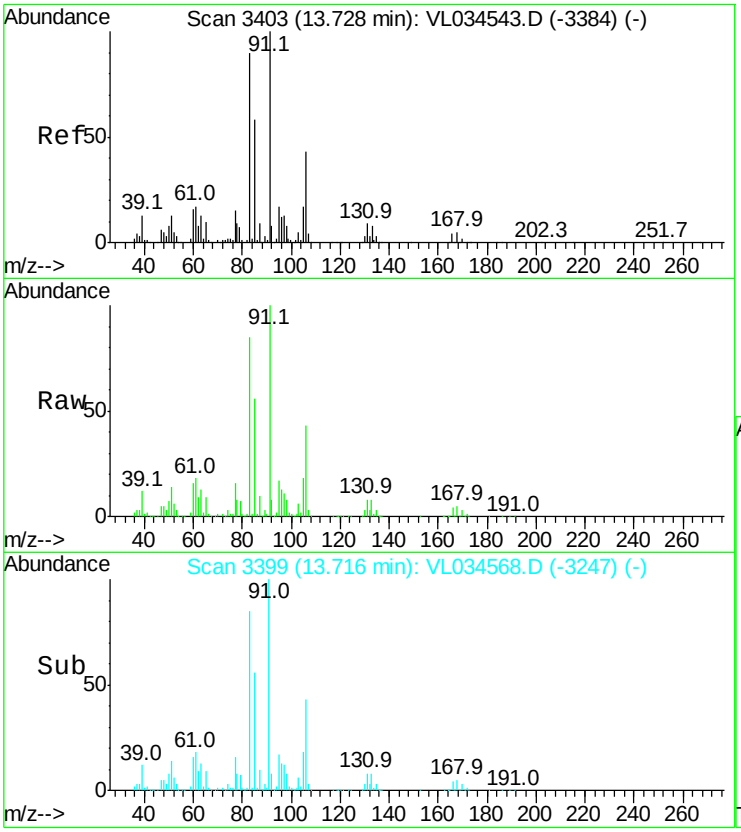


#62
Isopropylbenzene
Concen: 9.172 ppbv
RT: 14.70 min Scan# 3706
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:105 Resp: 3691247

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.6	30.8



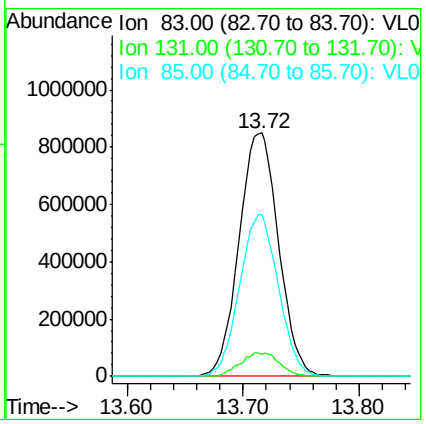


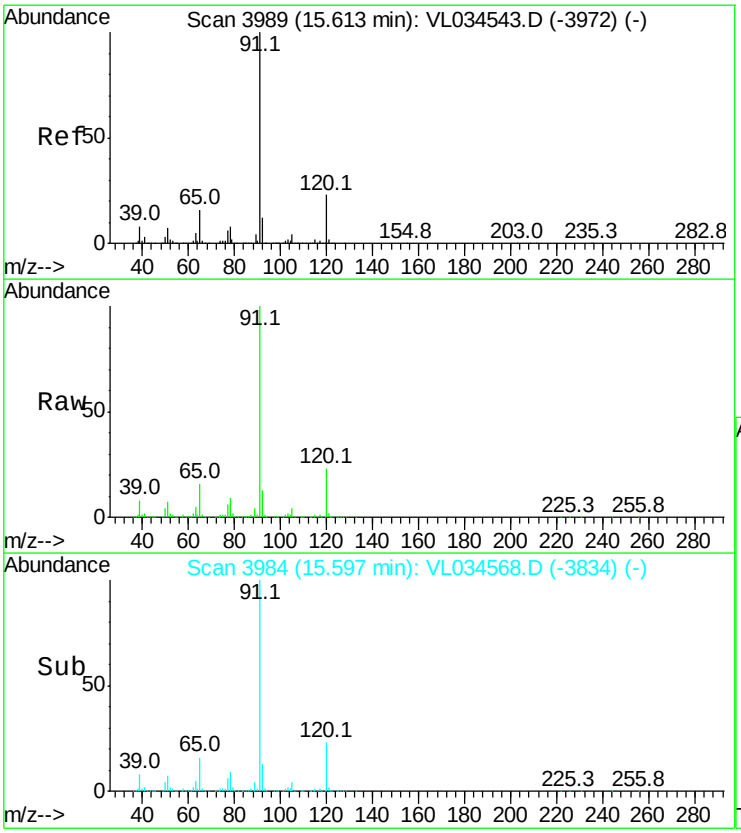
#63
1,1,2,2-Tetrachloroethane
Concen: 8.180 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2018788

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	65.3	32.5	97.4

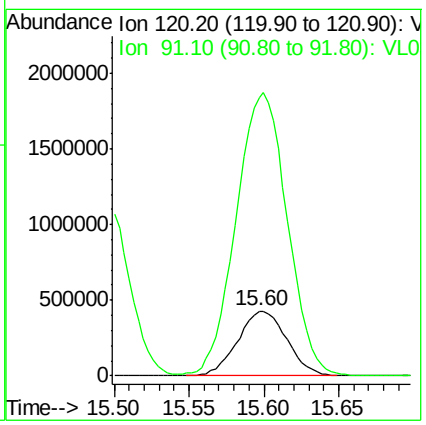


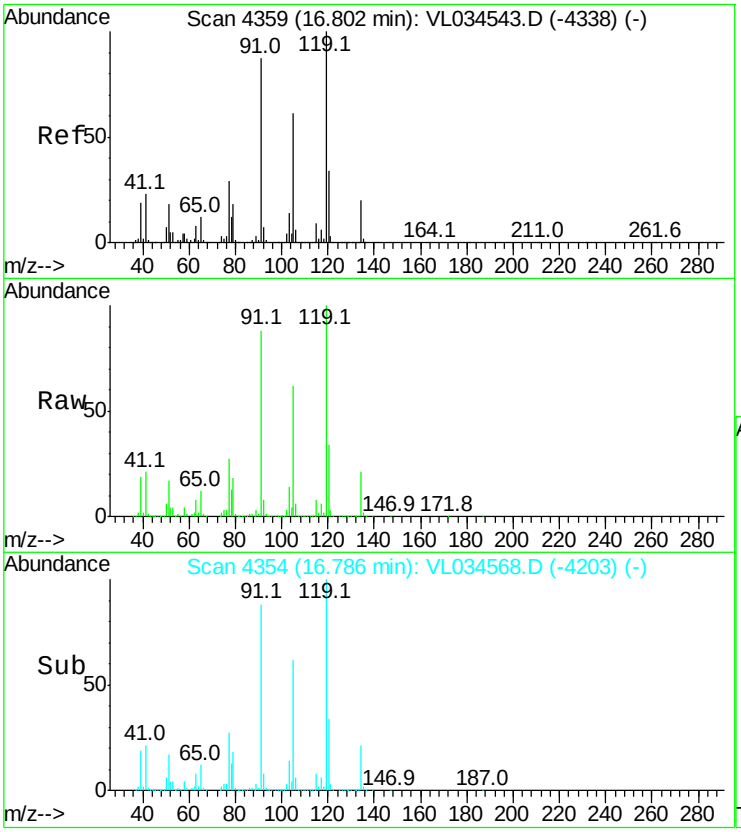


#64
n-propylbenzene
Concen: 9.527 ppbv
RT: 15.60 min Scan# 3984
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:120 Resp: 978991

Ion	Ratio	Lower	Upper
120	100		
91	456.6	375.6	563.4



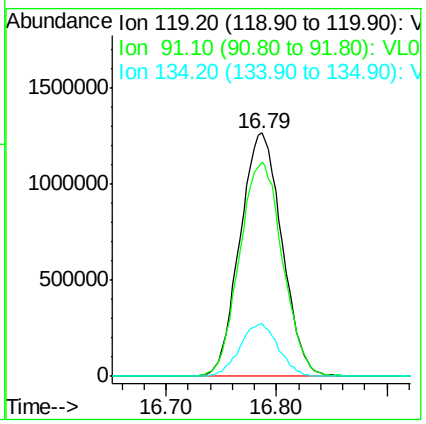


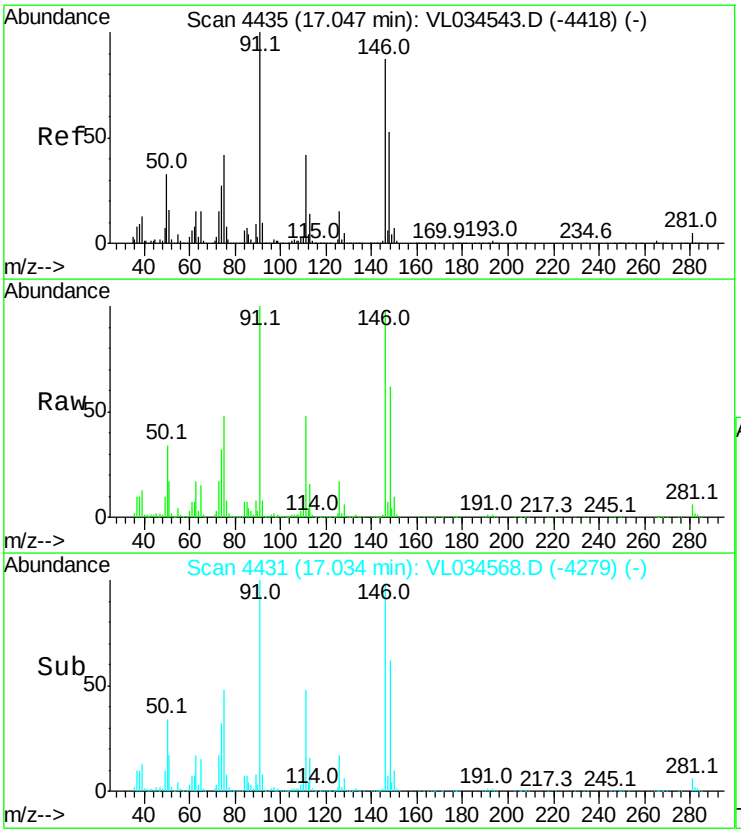
#65
tert-Butylbenzene
Concen: 9.167 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 3332926

Ion	Ratio	Lower	Upper
119	100		
91	90.3	72.0	108.0
134	19.9	16.1	24.1

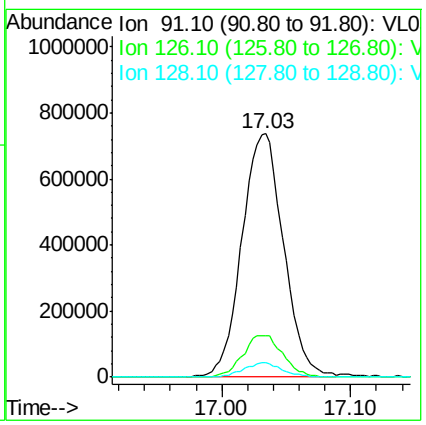


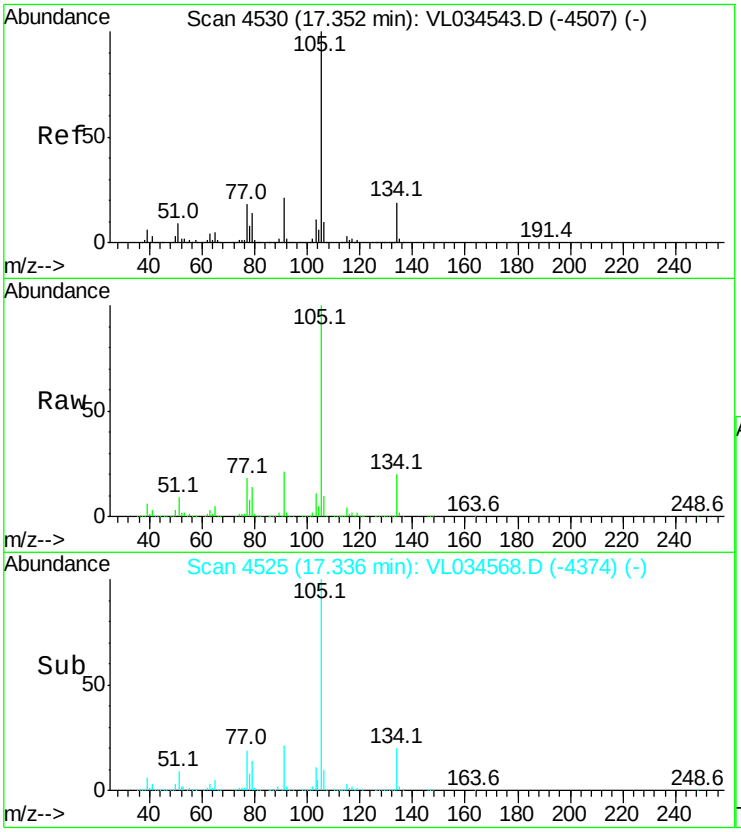


#66
Benzyl Chloride
Concen: 10.412 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 91 Resp: 1659069

Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.1	19.7
128	5.4	4.2	6.4



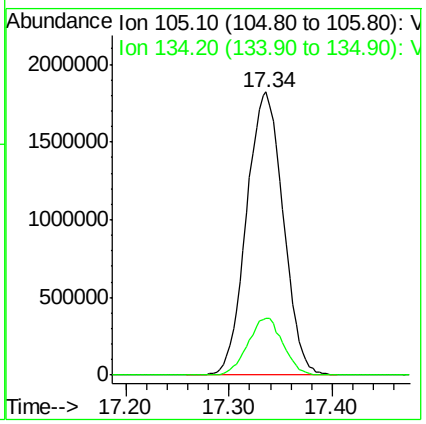


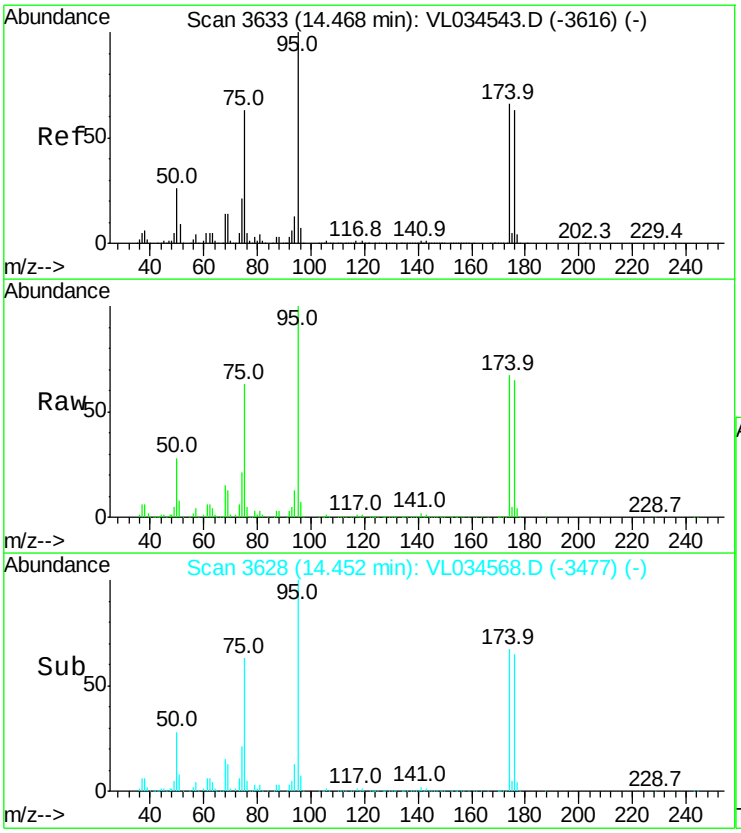
#67
sec-Butylbenzene
Concen: 8.810 ppbv
RT: 17.34 min Scan# 4525
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:105 Resp: 4498193

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.1	22.7

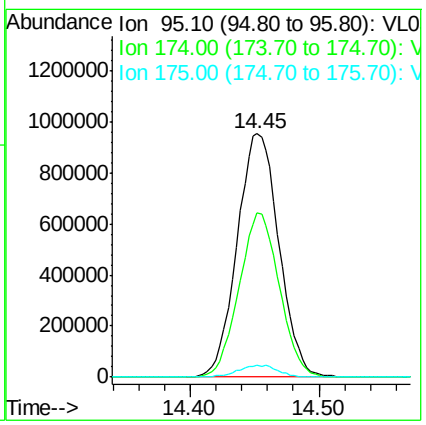


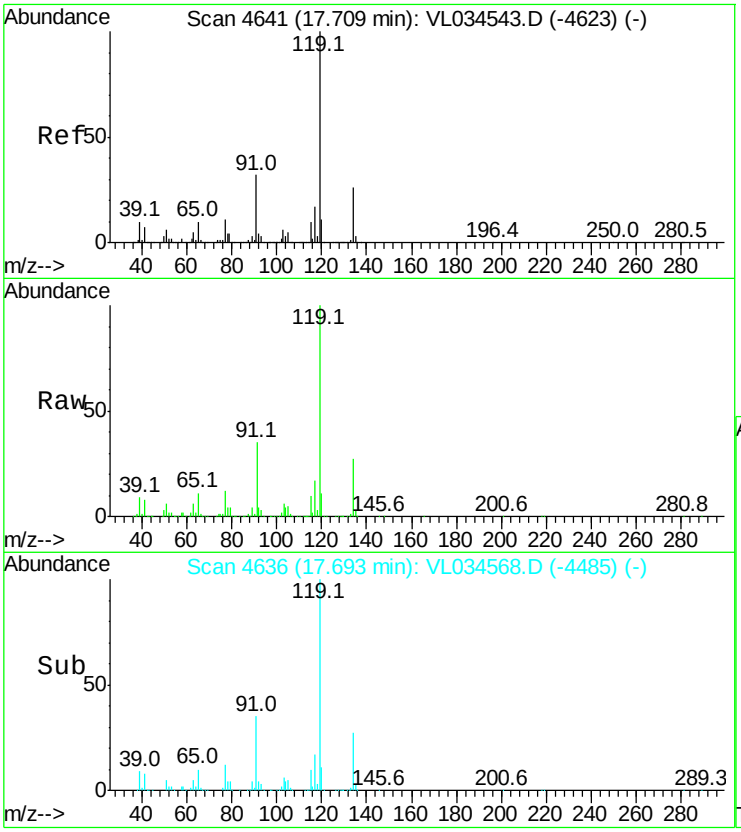


#68
1-Bromo-4-Fluorobenzene
Concen: 9.889 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 95 Resp: 2145421

Ion	Ratio	Lower	Upper
95	100		
174	65.4	52.4	78.6
175	4.7	3.9	5.9



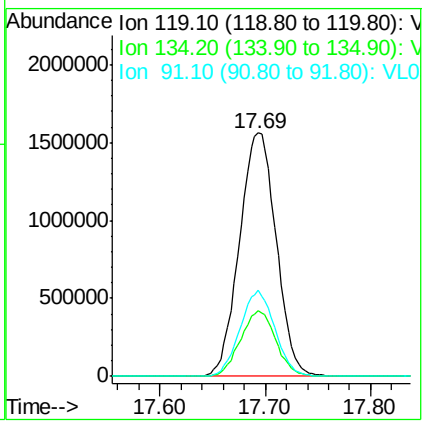


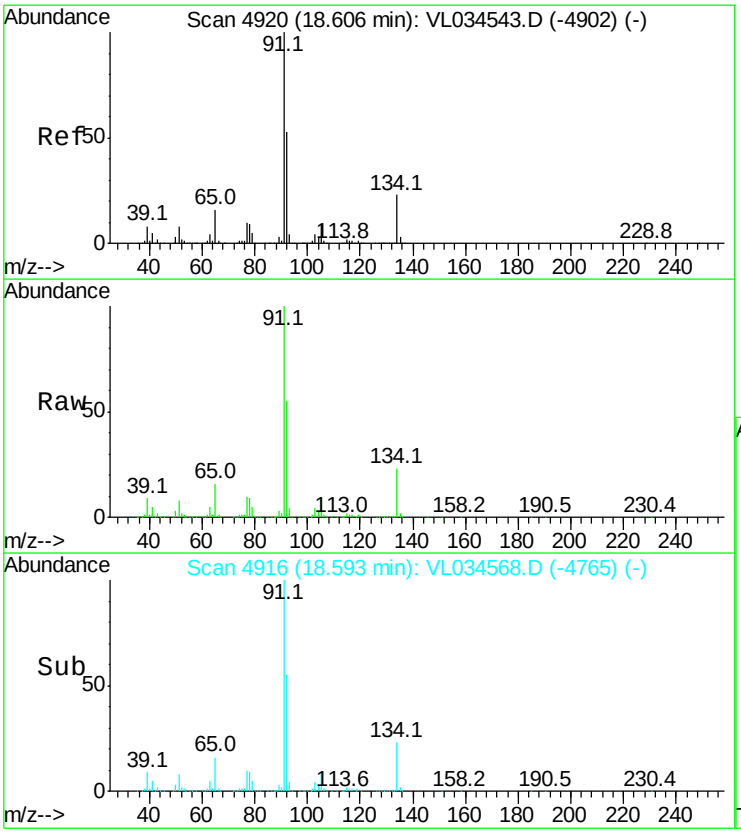
#69
p-Isopropyltoluene
Concen: 9.152 ppbv
RT: 17.69 min Scan# 4636
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 3790087

Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.7	31.1
91	33.6	26.6	39.8

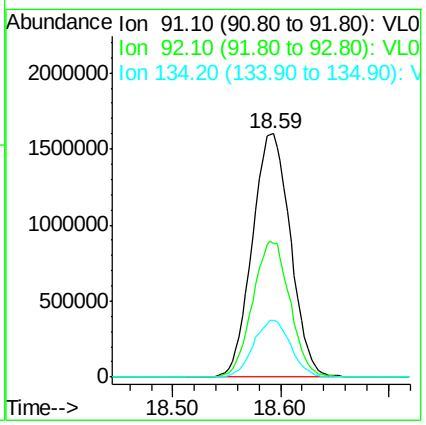


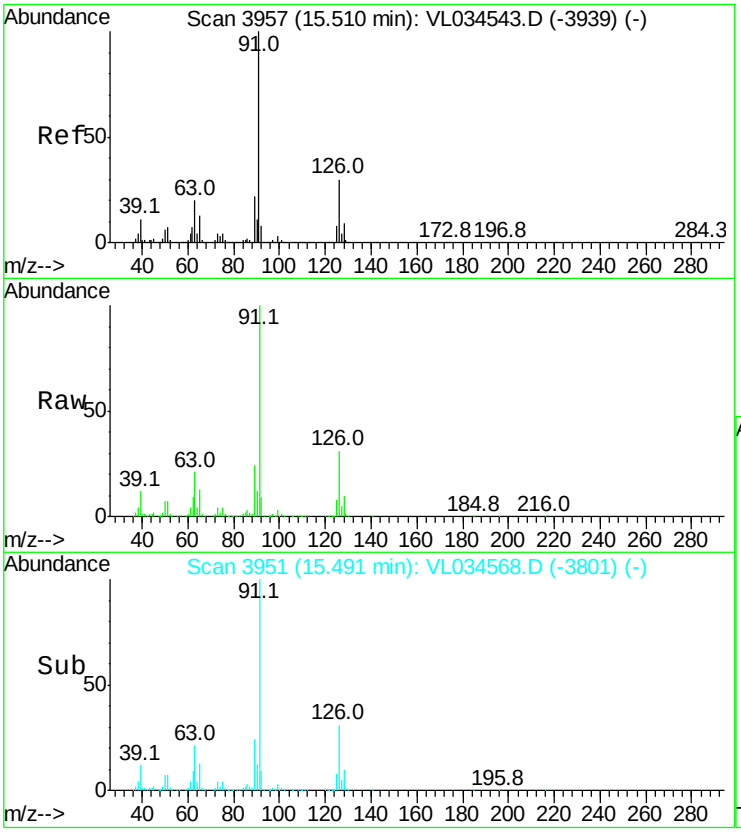


#70
n-Butylbenzene
Concen: 8.787 ppbv
RT: 18.59 min Scan# 4916
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 91 Resp: 3926147

Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.8	65.6
134	22.8	18.0	27.0



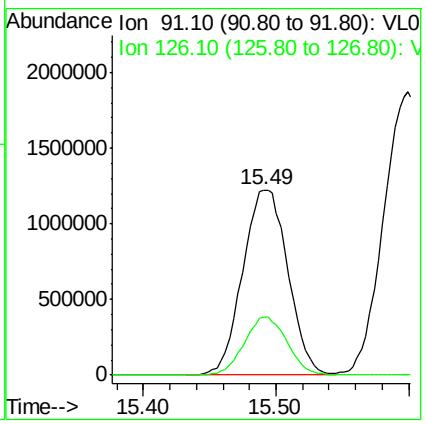


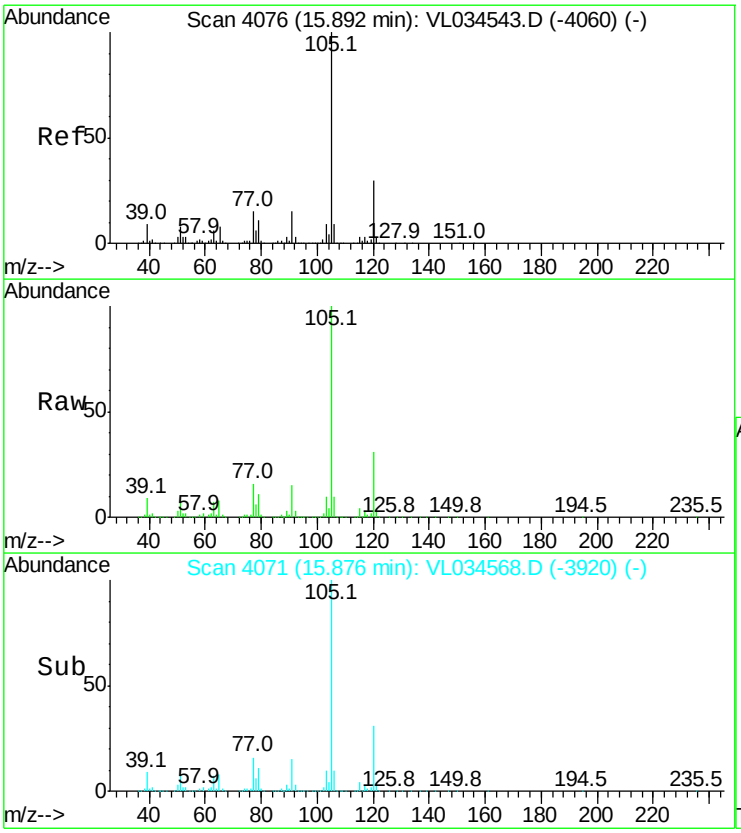
#71
2-Chlorotoluene
Concen: 9.274 ppbv
RT: 15.49 min Scan# 3951
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 2898423

Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.0	47.8

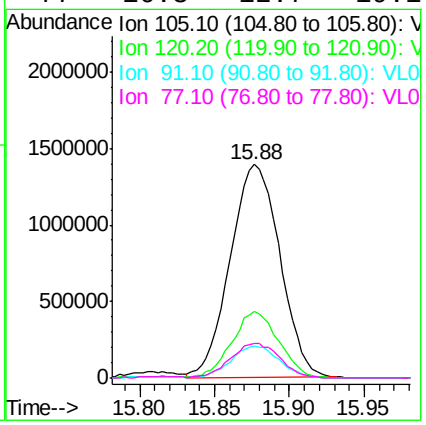


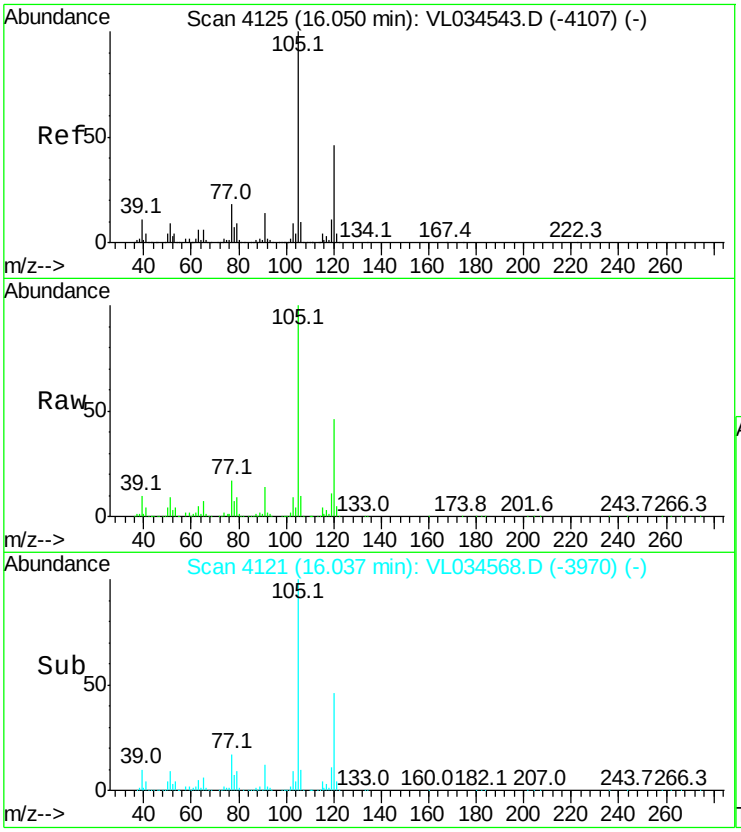


#72
4-Ethyltoluene
Concen: 9.322 ppbv
RT: 15.88 min Scan# 4071
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:105 Resp: 3209405

Ion	Ratio	Lower	Upper
105	100		
120	29.7	23.7	35.5
91	14.8	11.5	17.3
77	16.3	12.7	19.1



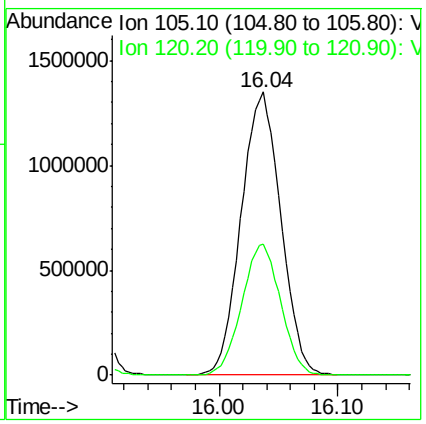


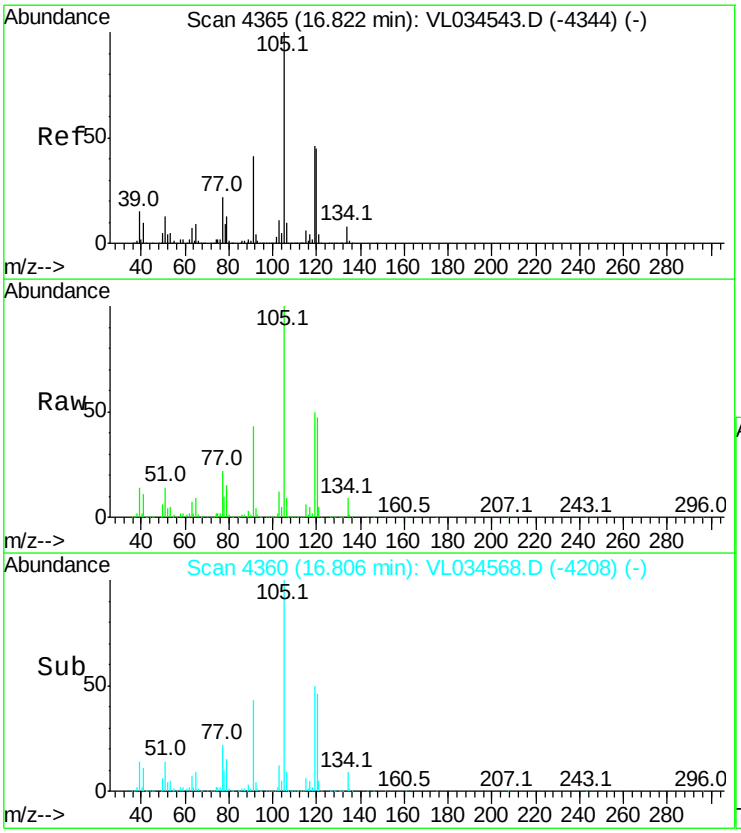
#73
1,3,5-Trimethylbenzene
Concen: 9.200 ppbv
RT: 16.04 min Scan# 4121
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 3107385

Ion	Ratio	Lower	Upper
105	100		
120	46.3	34.6	52.0

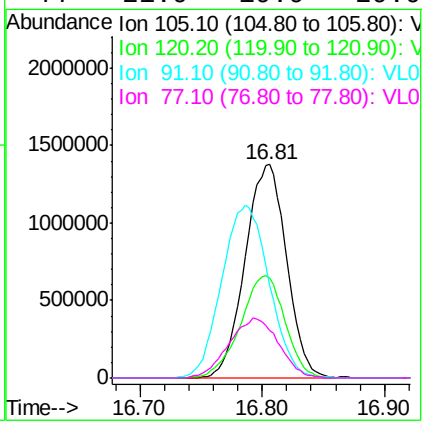


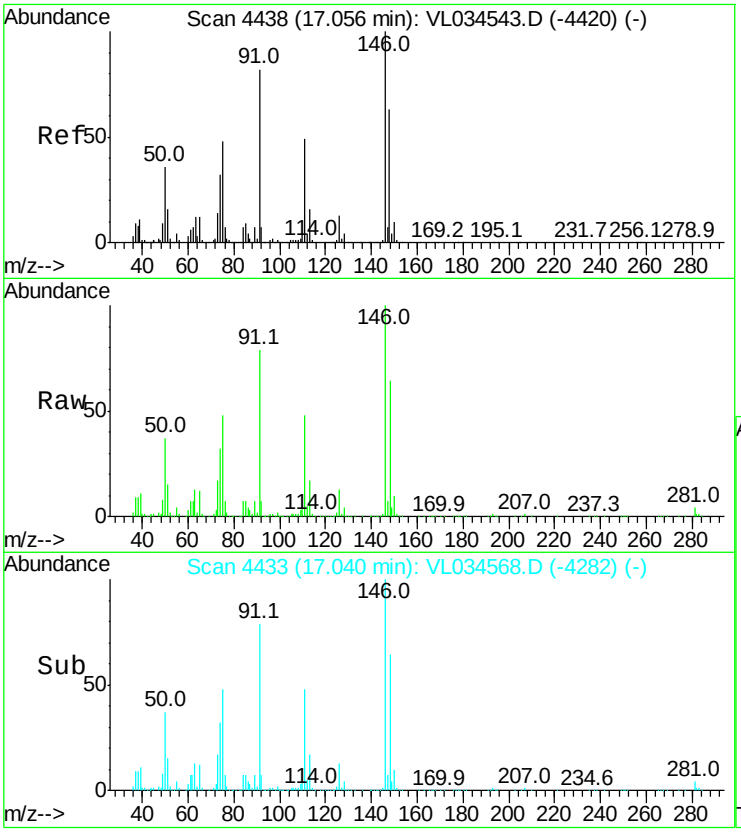


#74
1,2,4-Trimethylbenzene
Concen: 8.962 ppbv
RT: 16.81 min Scan# 4360
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:105 Resp: 3238131

Ion	Ratio	Lower	Upper
105	100		
120	46.4	36.7	55.1
91	42.9	44.0	66.0#
77	21.9	19.9	29.9



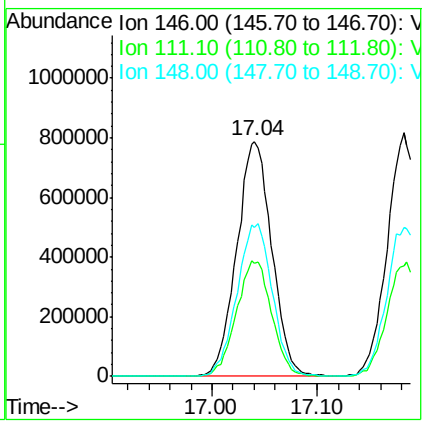


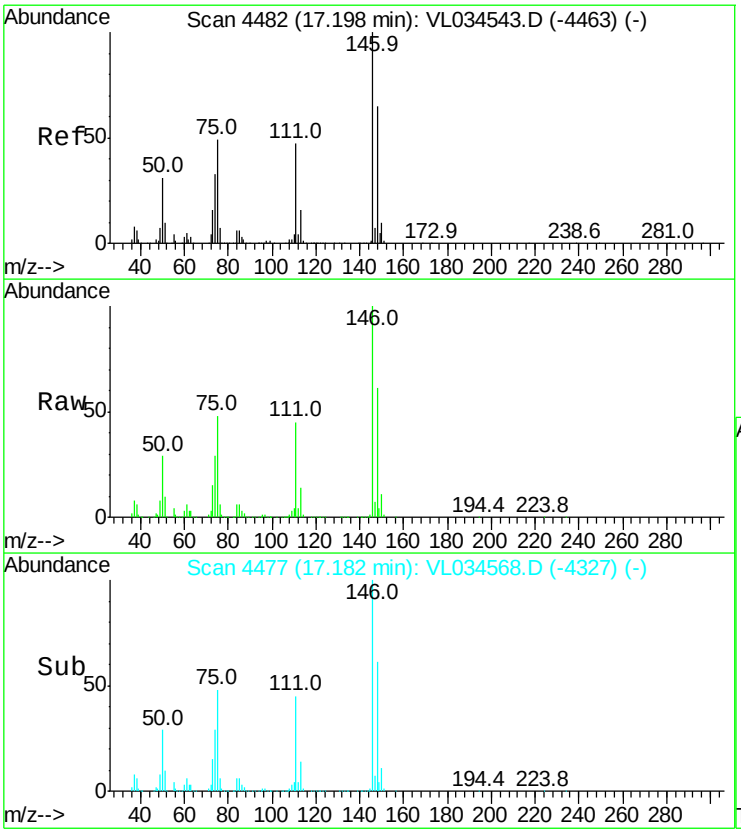
#75
1,3-Dichlorobenzene
Concen: 8.422 ppbv
RT: 17.04 min Scan# 4433
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 1822703

Ion	Ratio	Lower	Upper
146	100		
111	49.4	25.1	75.3
148	65.6	33.0	99.0

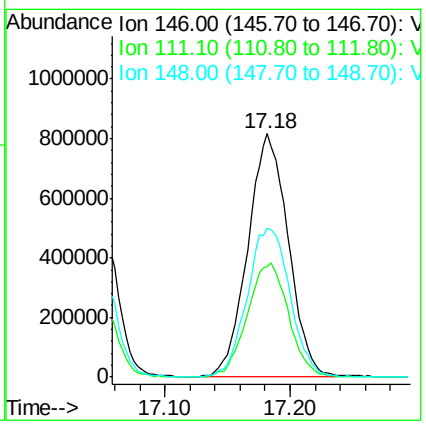


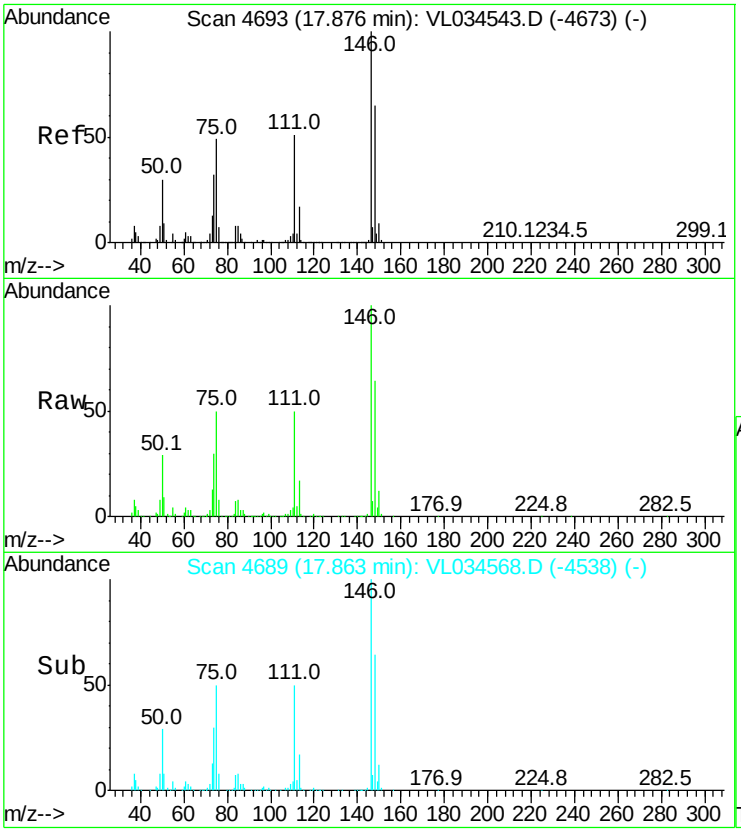


#76
1,4-Dichlorobenzene
Concen: 8.766 ppbv
RT: 17.18 min Scan# 4477
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:146 Resp: 1826400

Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.5	70.6
148	65.3	32.1	96.3



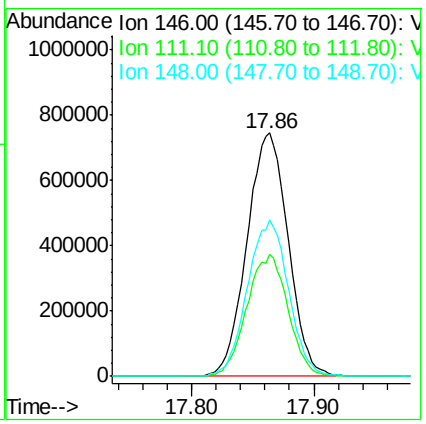


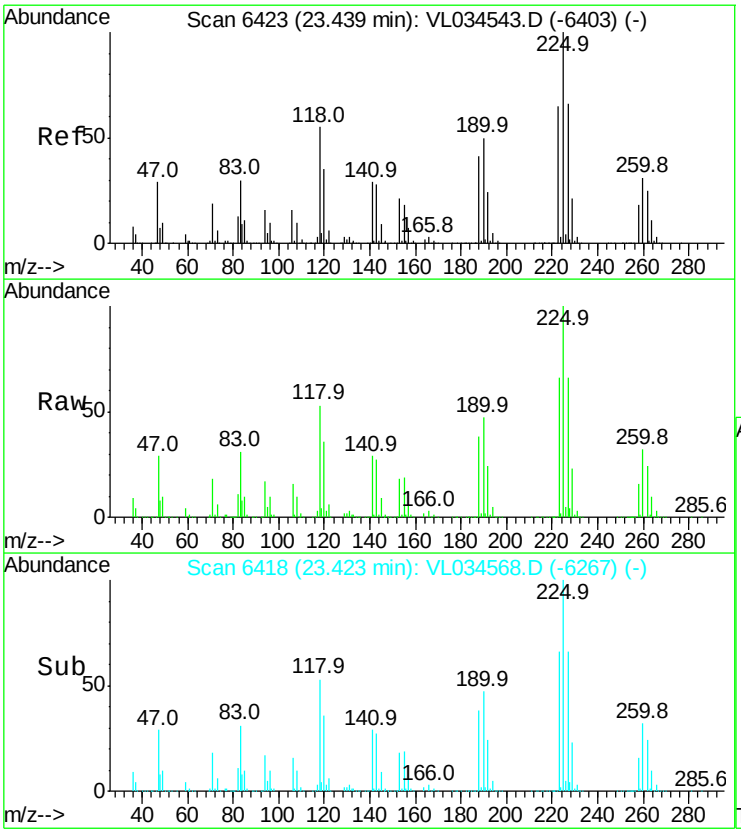
#77
1,2-Dichlorobenzene
Concen: 8.568 ppbv
RT: 17.86 min Scan# 4689
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:146 Resp: 1742566

Ion	Ratio	Lower	Upper
146	100		
111	50.2	25.3	75.8
148	64.4	32.1	96.3

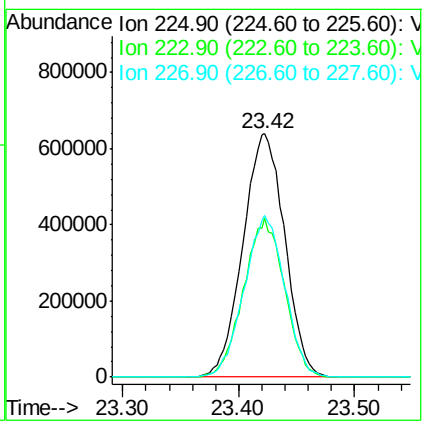


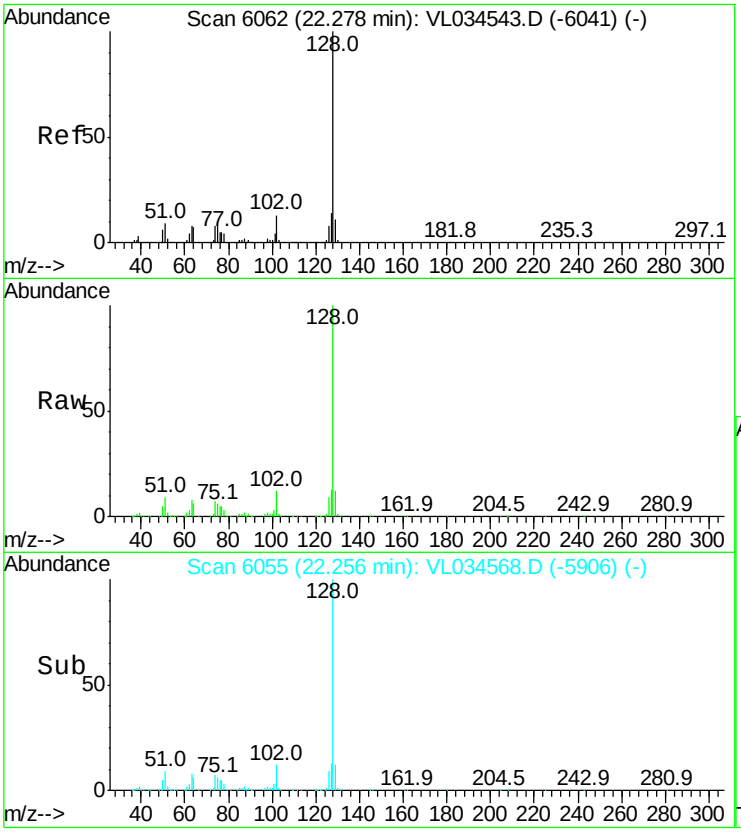


#78
Hexachloro-1,3-Butadiene
Concen: 8.293 ppbv
RT: 23.42 min Scan# 6418
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:225 Resp: 1601016

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.0	76.6
227	64.5	51.8	77.6



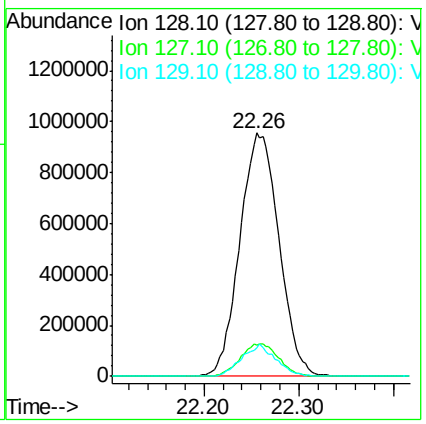


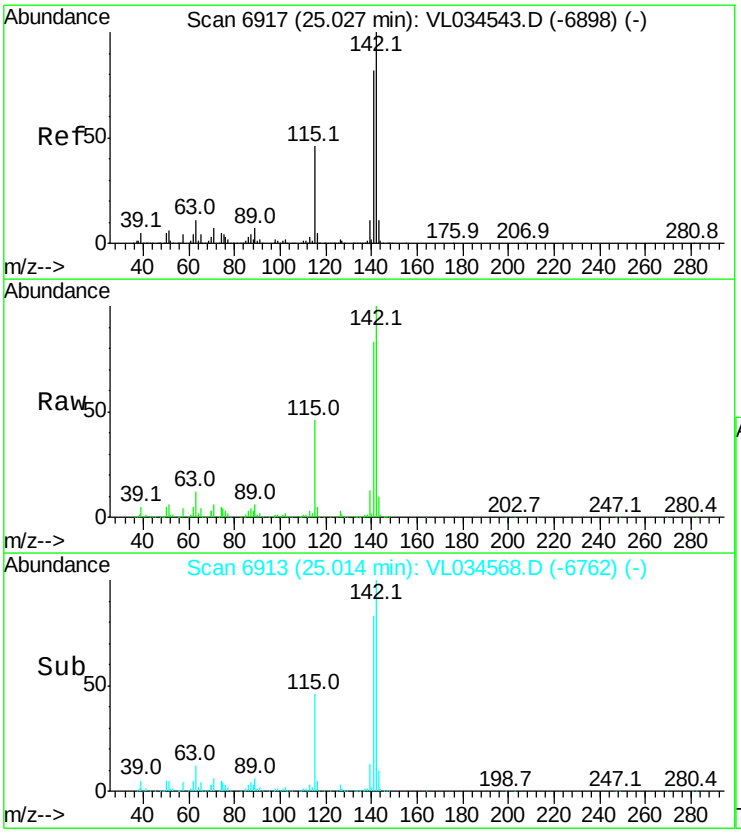
#79
Naphthalene
Concen: 10.074 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 2741592

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	15.8
129	11.6	8.7	13.1

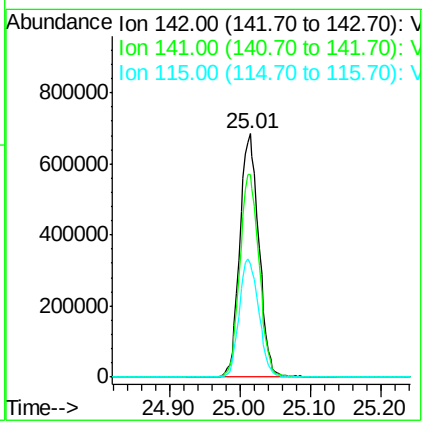


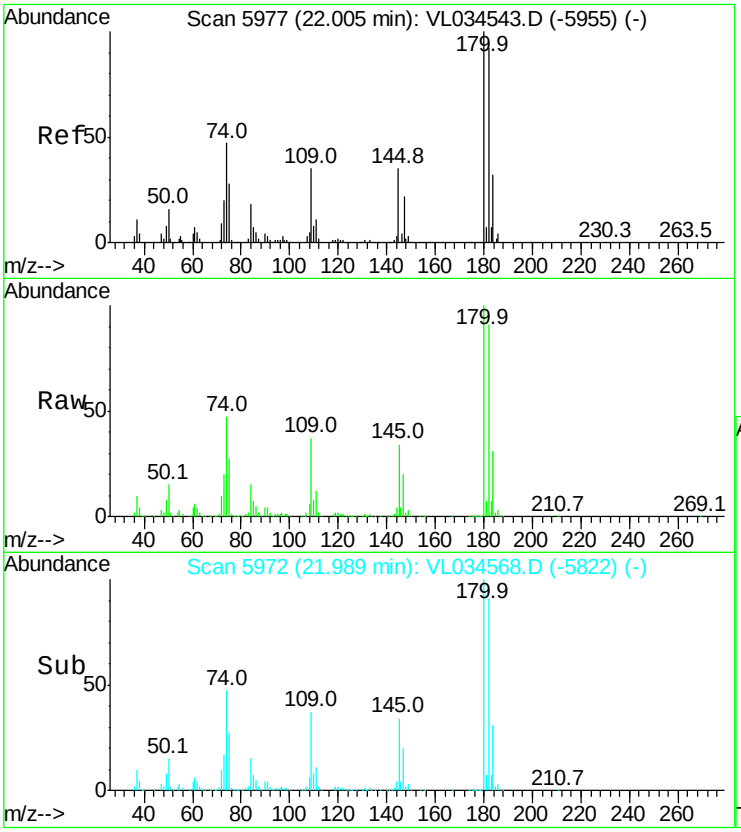


#80
Naphthalene,2-methyl-
Concen: 17.144 ppbv
RT: 25.01 min Scan# 6913
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:142 Resp: 1292502

Ion	Ratio	Lower	Upper
142	100		
141	83.7	65.8	98.8
115	49.4	30.4	45.6#





#81
1,2,4-Trichlorobenzene
Concen: 9.306 ppbv
RT: 21.99 min Scan# 5972
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 1649011

Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.8
184	31.7	25.2	37.8