Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026852.D
Acq On : 10 Feb 2016 14:21
Operator : SY/AP
Sample : VSTDCCV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Quant Time: Feb 11 01:18:47 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:14:04 2016
QLast Update : Wed Feb 10 03:14:04 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.69	49	1636829	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.37	114	5044423	10.00	ppbv		-0.01
55) Chlorobenzene-d5	13.79	117	6610819	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.33	95	3564728	7.51	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 75.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.67	85	3662540	10.35	ppbv		99
3) Chlorodifluoromethane	3.59	51	1838724	6.92	ppbv		99
4) Chloromethane	3.78	50	1054595	10.05	ppbv		99
5) Vinyl Chloride	3.91	62	1197377	10.13	ppbv		98
6) Bromomethane	4.17	94	1022698	10.42	ppbv		95
7) Chloroethane	4.26	64	545613	10.52	ppbv		98
8) Dichlorotetrafluoroethane	3.83	85	3317545	10.55	ppbv		94
9) Propene	3.62	41	758479	10.57	ppbv		99
10) Heptane	9.39	43	2774624	11.81	ppbv		98
11) Trichlorofluoromethane	4.72	101	4406917	10.50	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	5.33	101	3209062	10.80	ppbv		95
13) Ethanol	4.35	45	92255	7.48	ppbv		94
14) Bromoethene	4.48	108	1236400	11.37	ppbv		99
15) Acetone	4.62	43	1888485	8.40	ppbv		99
16) 1,3-Butadiene	4.00	39	887270	10.10	ppbv		97
17) tert-Butyl alcohol	5.15	59	1785470	12.03	ppbv		100
18) 1,1-Dichloroethene	5.11	96	1395841	11.22	ppbv		95
19) Isopropyl Alcohol	4.78	45	867322	10.81	ppbv		100
20) Methylene Chloride	5.18	84	1217904	10.45	ppbv		93
21) Allyl Chloride	5.26	41	1381771	9.95	ppbv		95
22) trans-1,2-Dichloroethene	5.79	96	1378280	12.27	ppbv		94
23) Vinyl Acetate	6.01	43	3318198	10.88	ppbv		99
24) 1,1-Dichloroethane	5.94	63	2692038	11.04	ppbv		99
25) Ethyl Acetate	6.70	43	3929733	11.65	ppbv		99
26) Hexane	6.69	57	2157353	11.34	ppbv		96
27) Carbon Disulfide	5.42	76	3608523	11.01	ppbv		98
28) Methyl tert-Butyl Ether	5.98	73	3551047	11.95	ppbv		99
29) Chloroform	6.78	83	3417309	11.55	ppbv		99
30) Cyclohexane	8.32	84	2032379	13.13	ppbv		92
31) cis-1,2-Dichloroethene	6.55	61	1932420	12.17	ppbv		94
32) 1,1,1-Trichloroethane	7.63	97	3491664	11.73	ppbv		98
34) 2-Butanone	6.23	43	2390198	9.67	ppbv		96
35) Carbon Tetrachloride	8.20	117	3864770	10.54	ppbv		99
36) Benzene	8.06	78	4474816	11.18	ppbv		98
37) 1,2-Dichloroethane	7.41	62	2491196	9.94	ppbv		97
38) Trichloroethene	9.10	130	2282075	12.37	ppbv		97
39) 1,2-Dichloropropane	8.87	63	1591247	10.52	ppbv		97
40) 1,4-Dioxane	9.15	88	287899	10.73	ppbv	#	51
41) Tetrahydrofuran	7.15	42	1348527	11.08	ppbv		93
42) Bromodichloromethane	9.07	83	3700810	10.97	ppbv		98
43) Methyl Methacrylate	9.31	69	1702621	12.13	ppbv		91

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026852.D
Acq On : 10 Feb 2016 14:21
Operator : SY/AP
Sample : VSTDCCV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Quant Time: Feb 11 01:18:47 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:14:04 2016
QLast Update : Wed Feb 10 03:14:04 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.12	57	7225470	10.56	ppbv		98
45) t-1,3-Dichloropropene	10.70	75	2476445	13.12	ppbv		99
46) cis-1,3-Dichloropropene	10.06	75	2969282	12.92	ppbv		94
47) 1,1,2-Trichloroethane	10.92	97	1974584	11.79	ppbv		99
48) Dibromochloromethane	11.85	129	3493510	12.77	ppbv	#	10
49) Bromoform	14.86	173	2929070	14.21	ppbv		100
50) 4-Methyl-2-Pentanone	10.13	43	3291612	11.29	ppbv		96
51) 2-Hexanone	11.65	43	3041126	12.44	ppbv		93
52) Tetrachloroethene	12.83	164	2137559	13.57	ppbv		97
53) Toluene	11.28	91	5739050	12.74	ppbv		99
54) 1,2-Dibromoethane	12.19	107	3090165	12.40	ppbv		98
56) 1,1,1,2-Tetrachloroethane	13.83	131	2629405	9.02	ppbv		99
57) Chlorobenzene	13.86	112	4924211	9.00	ppbv		96
58) Ethyl Benzene	14.46	91	7552655	9.49	ppbv		98
59) m/p-Xylene	14.77	91	12287680	18.07	ppbv		96
60) o-Xylene	15.54	91	6787156	9.12	ppbv		97
61) Styrene	15.36	104	2708348	10.75	ppbv		97
62) Isopropylbenzene	16.59	105	8264151	9.25	ppbv		97
63) 1,1,2,2-Tetrachloroethane	15.54	83	4650736	9.16	ppbv		99
64) n-propylbenzene	17.57	120	2257330	9.83	ppbv		92
65) tert-Butylbenzene	18.86	119	8210177	9.98	ppbv		96
66) Benzyl Chloride	19.16	91	3083931	11.55	ppbv		98
67) sec-Butylbenzene	19.46	105	10134008	9.46	ppbv		97
69) p-Isopropyltoluene	19.84	119	8732940	10.06	ppbv		98
70) n-Butylbenzene	20.80	91	8062179	9.74	ppbv		97
71) 2-Chlorotoluene	17.47	91	5934548	9.73	ppbv		95
72) 4-Ethyltoluene	17.87	105	6906603	10.08	ppbv		98
73) 1,3,5-Trimethylbenzene	18.04	105	6541616	9.80	ppbv		97
74) 1,2,4-Trimethylbenzene	18.88	105	7258327	9.56	ppbv		95
75) 1,3-Dichlorobenzene	19.17	146	4612224	10.03	ppbv		99
76) 1,4-Dichlorobenzene	19.32	146	4565435	10.15	ppbv		98
77) 1,2-Dichlorobenzene	20.08	146	4421928	10.11	ppbv		99
78) Hexachloro-1,3-Butadiene	24.71	225	2164946	10.42	ppbv		100
79) Naphthalene	23.97	128	4455660	12.22	ppbv		99
80) Naphthalene,2-methyl-	26.09	142	975671	6.59	ppbv		98
81) 1,2,4-Trichlorobenzene	23.77	180	2260919	11.47	ppbv		100

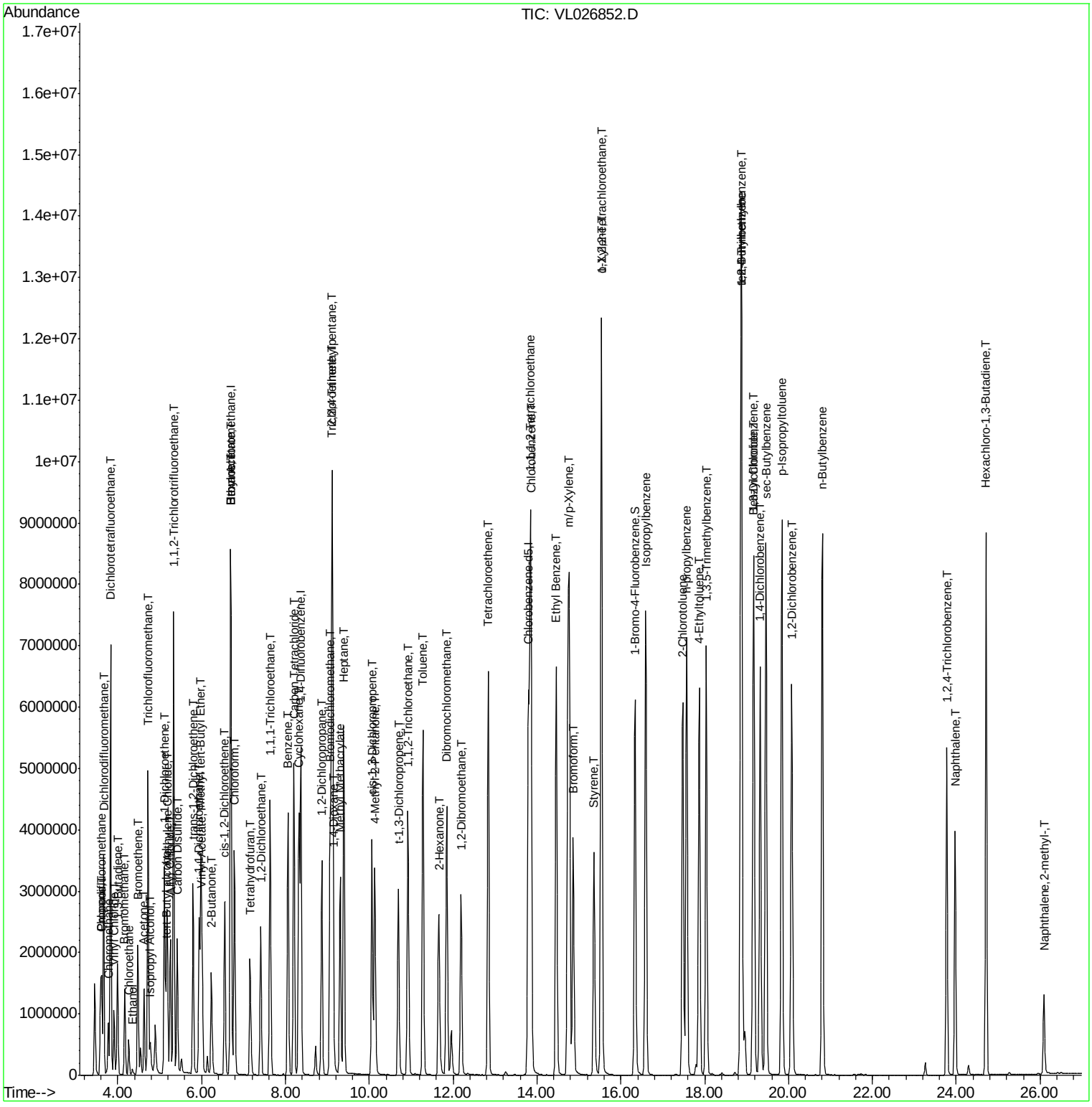
(#) = qualifier out of range (m) = manual integration (+) = signals summed

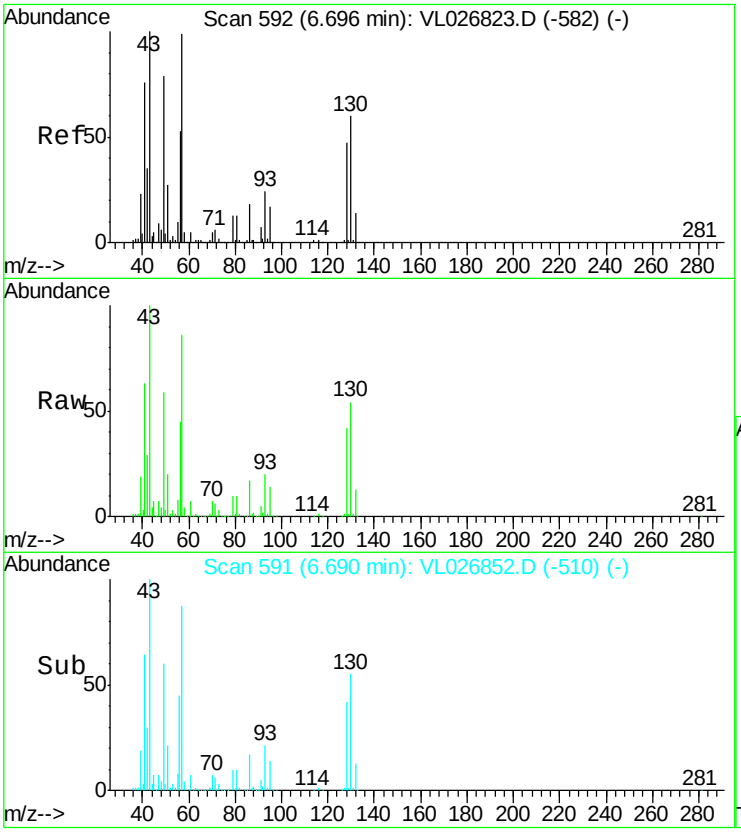
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026852.D
Acq On : 10 Feb 2016 14:21
Operator : SY/AP
Sample : VSTDCCV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Quant Time: Feb 11 01:18:47 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:14:04 2016
QLast Update : Wed Feb 10 03:14:04 2016
Response via : Initial Calibration



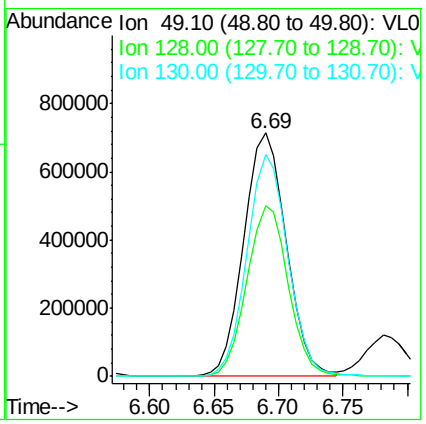


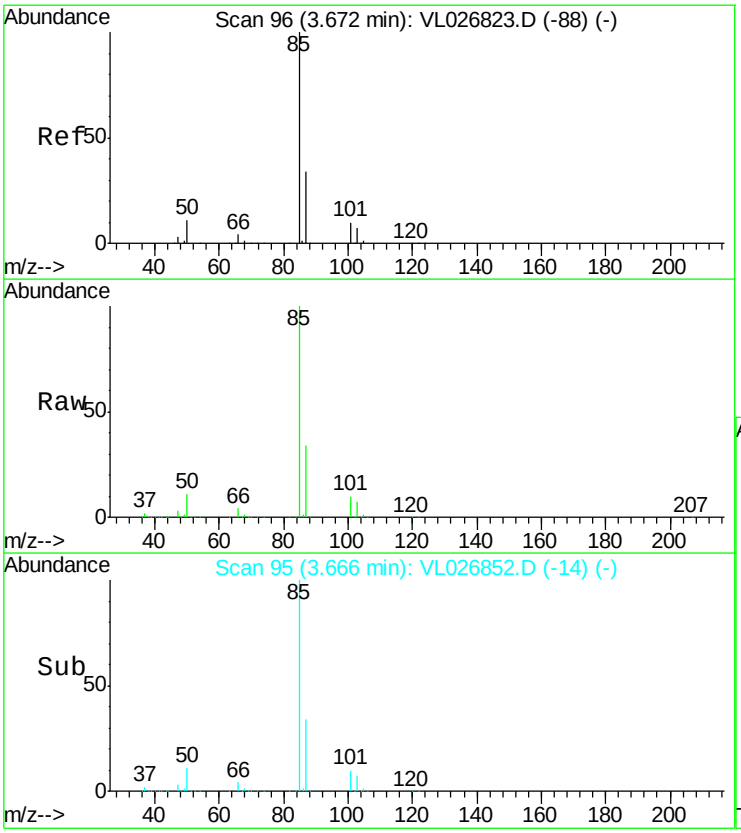
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.69 min Scan# 591
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion: 49 Resp: 1636829

Ion	Ratio	Lower	Upper
49	100		
128	68.5	29.7	89.1
130	88.2	38.3	114.8

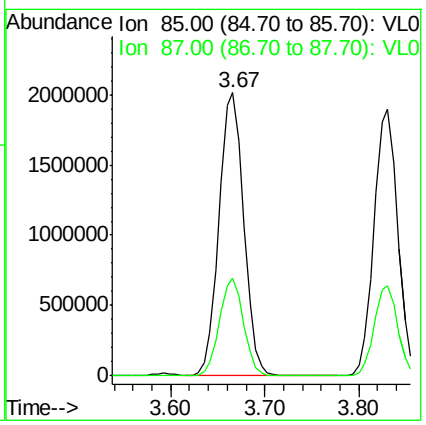


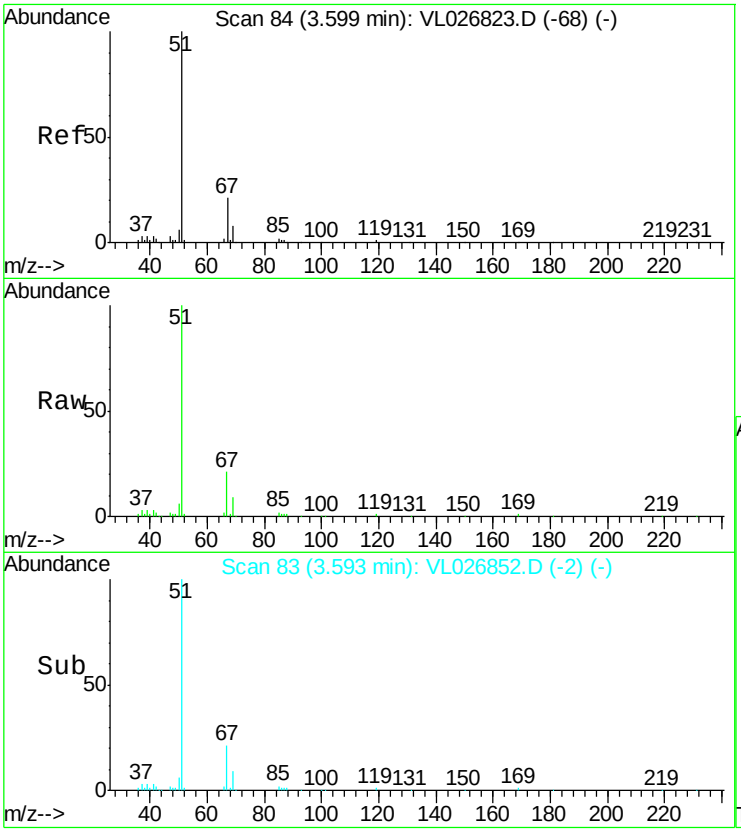


#2
Dichlorodifluoromethane
Concen: 10.35 ppbv
RT: 3.67 min Scan# 95
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 85 Resp: 3662540

Ion	Ratio	Lower	Upper
85	100		
87	34.5	27.3	40.9



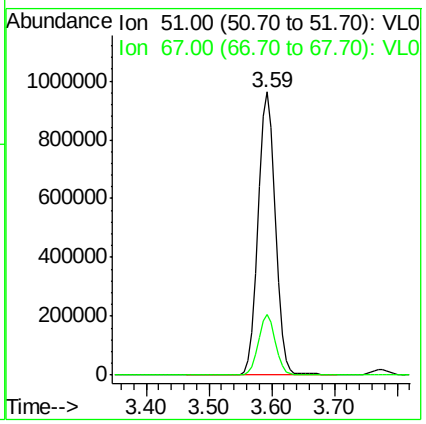


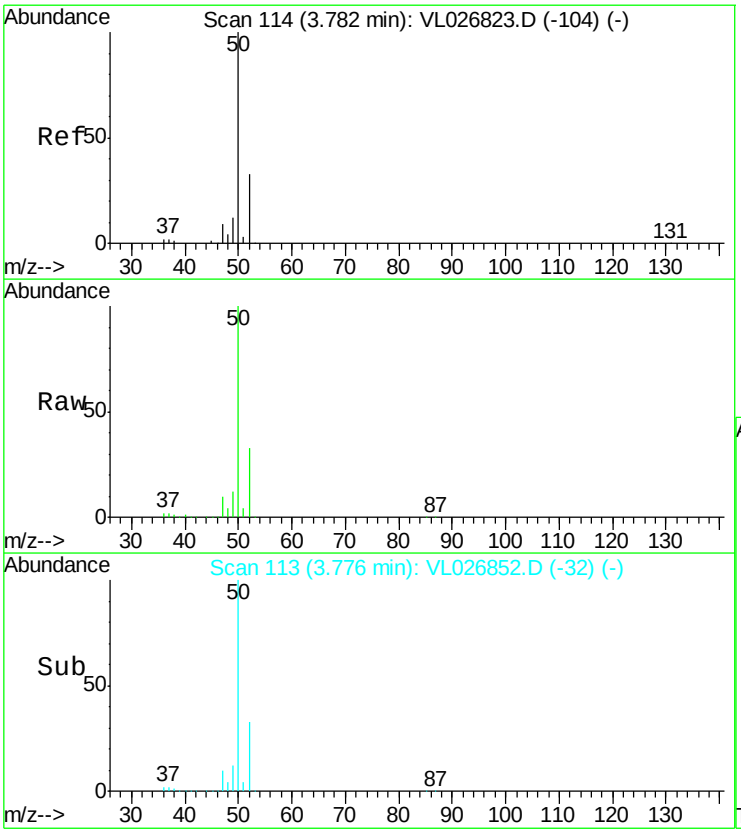
#3
Chlorodifluoromethane
Concen: 6.92 ppbv
RT: 3.59 min Scan# 83
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion: 51 Resp: 1838724

Ion	Ratio	Lower	Upper
51	100		
67	20.9	16.4	24.6

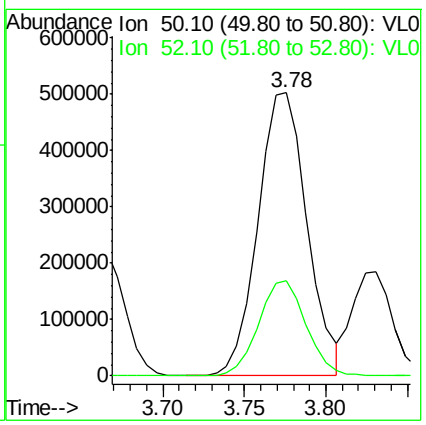


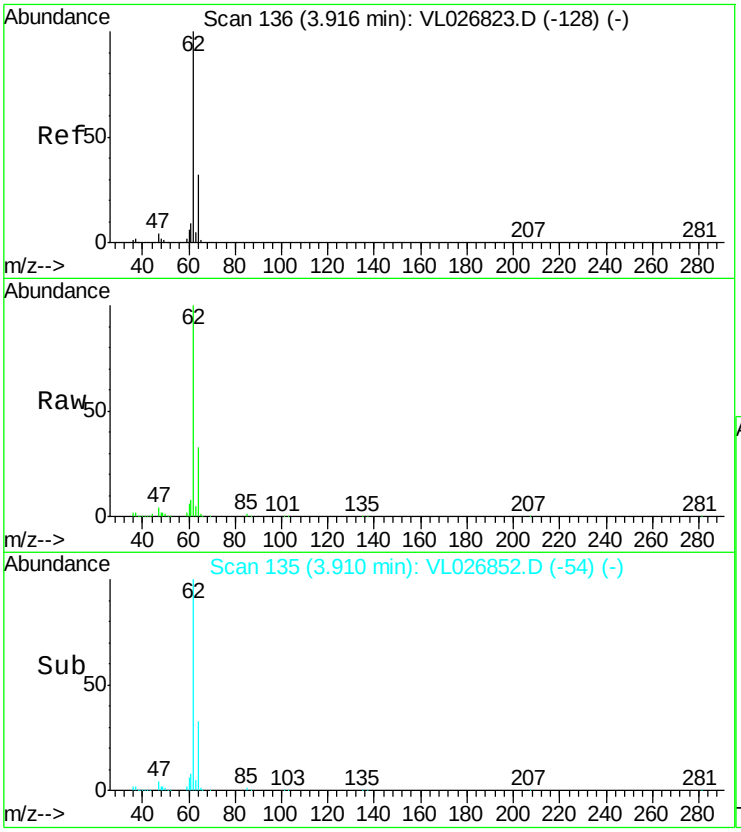


#4
Chloromethane
Concen: 10.05 ppbv
RT: 3.78 min Scan# 113
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 50 Resp: 1054595

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.3	39.5



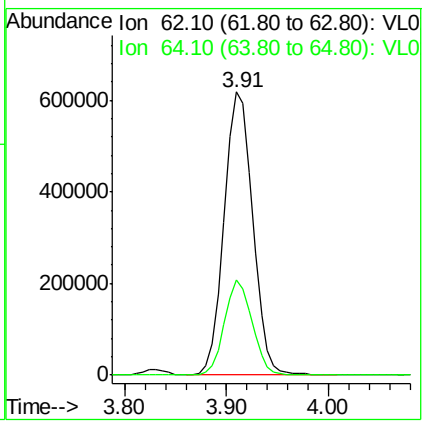


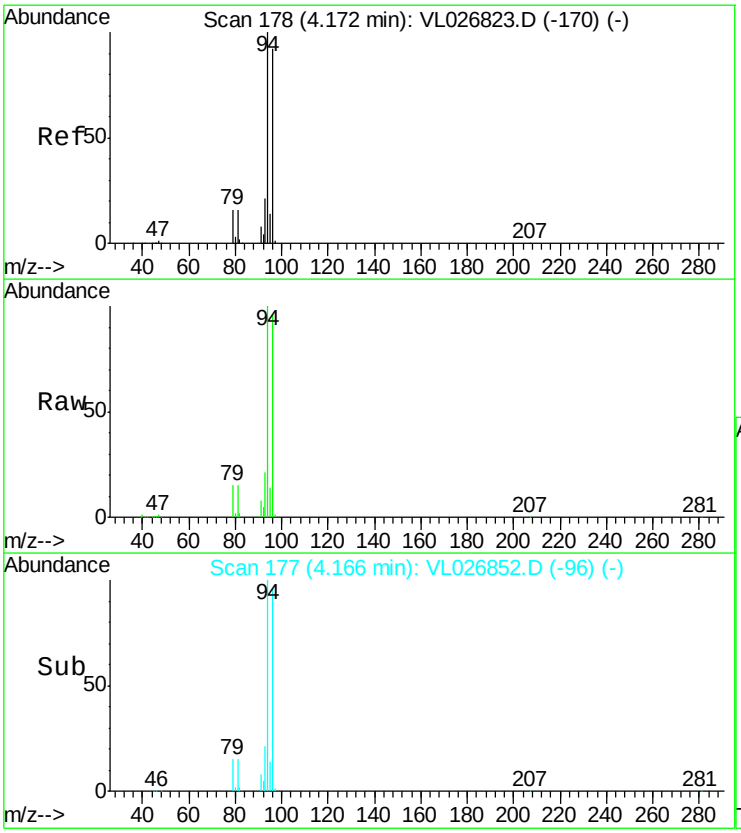
#5
Vinyl Chloride
Concen: 10.13 ppbv
RT: 3.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 62 Resp: 1197377

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.8	38.6

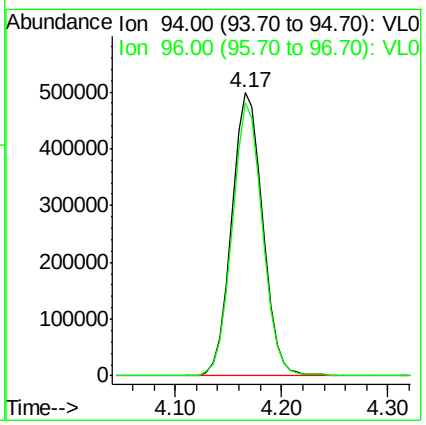


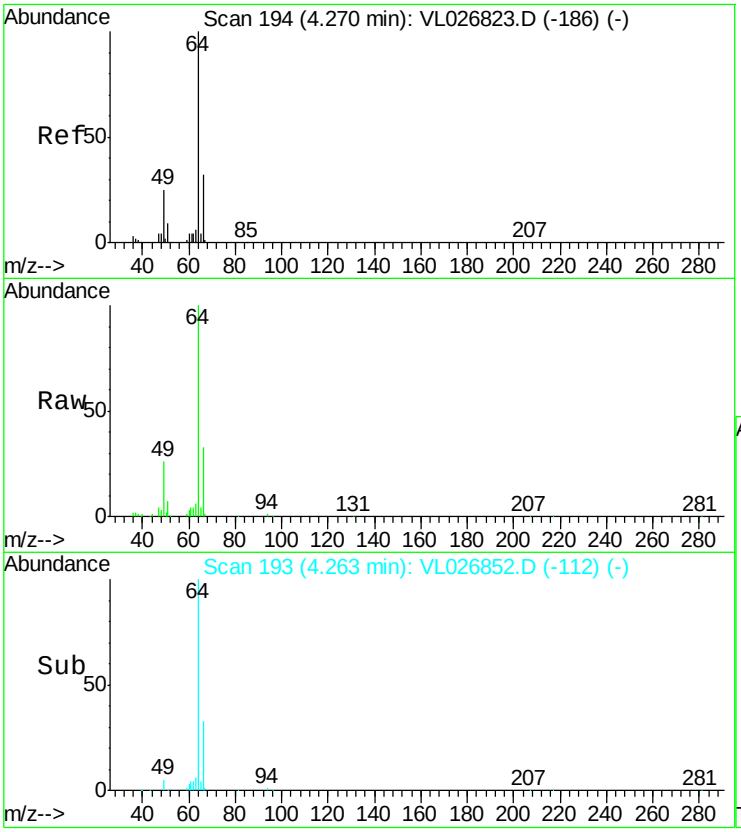


#6
Bromomethane
Concen: 10.42 ppbv
RT: 4.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 94 Resp: 1022698

Ion	Ratio	Lower	Upper
94	100		
96	96.3	73.2	109.8



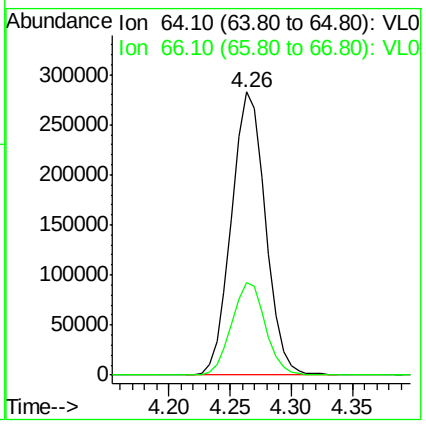


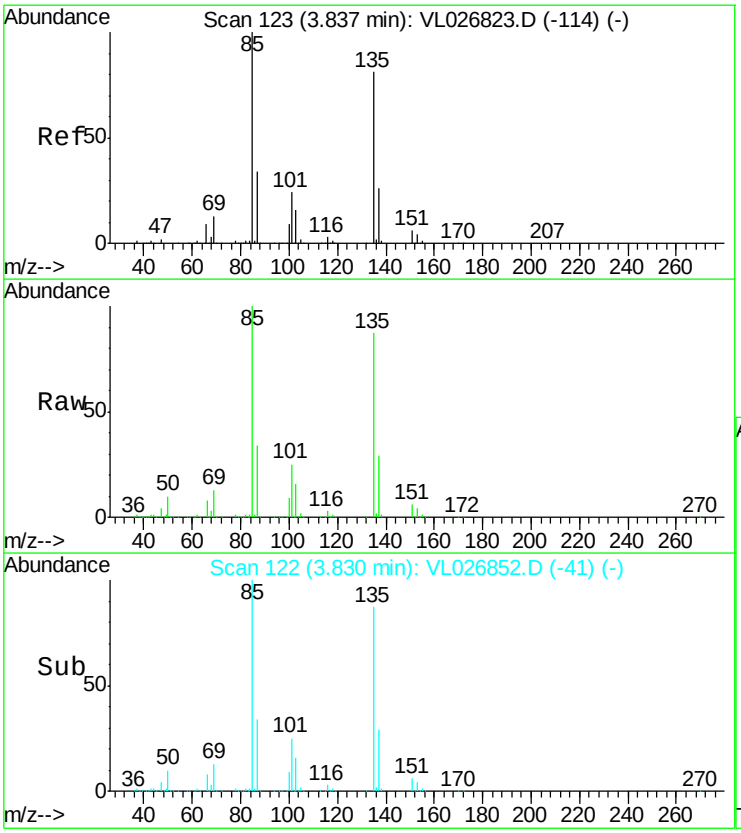
#7
Chloroethane
Concen: 10.52 ppbv
RT: 4.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 64 Resp: 545613

Ion	Ratio	Lower	Upper
64	100		
66	32.7	25.4	38.0

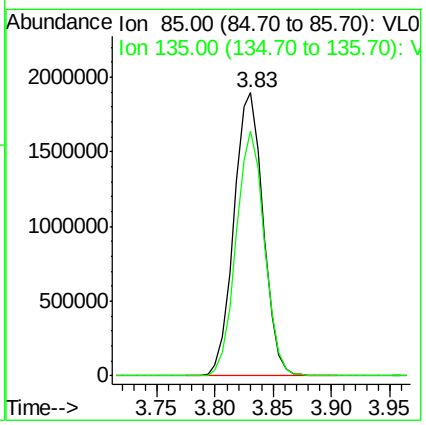


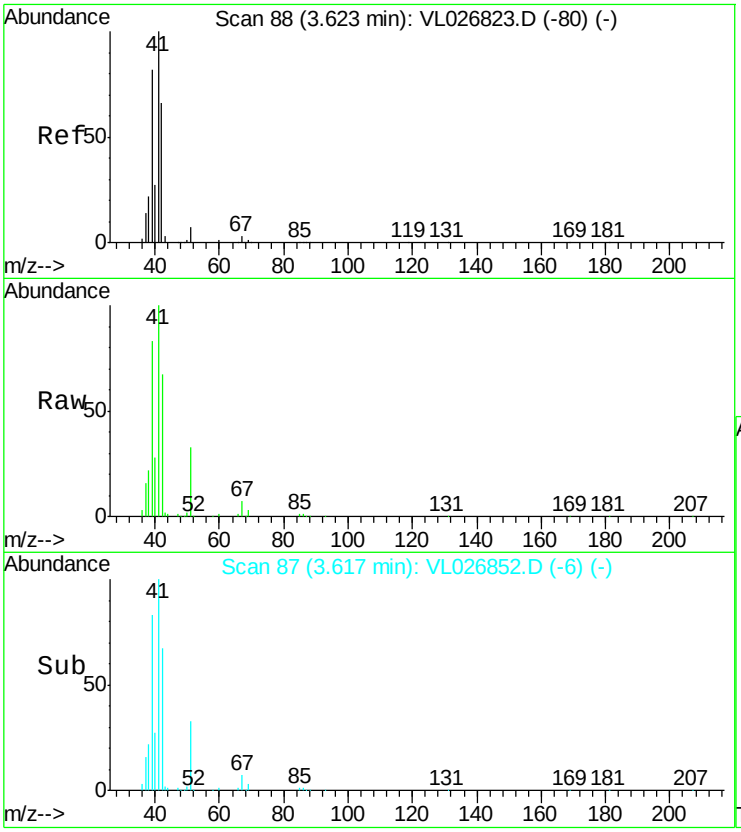


#8
Dichlorotetrafluoroethane
Concen: 10.55 ppbv
RT: 3.83 min Scan# 122
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 85 Resp: 3317545

Ion	Ratio	Lower	Upper
85	100		
135	84.6	63.2	94.8



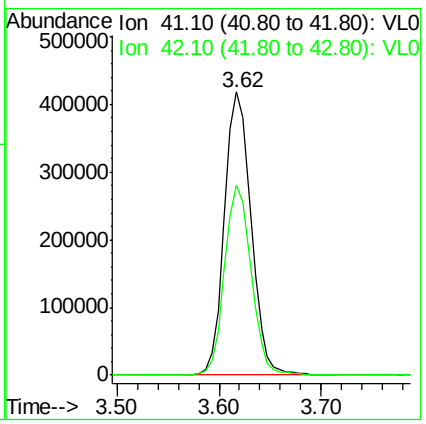


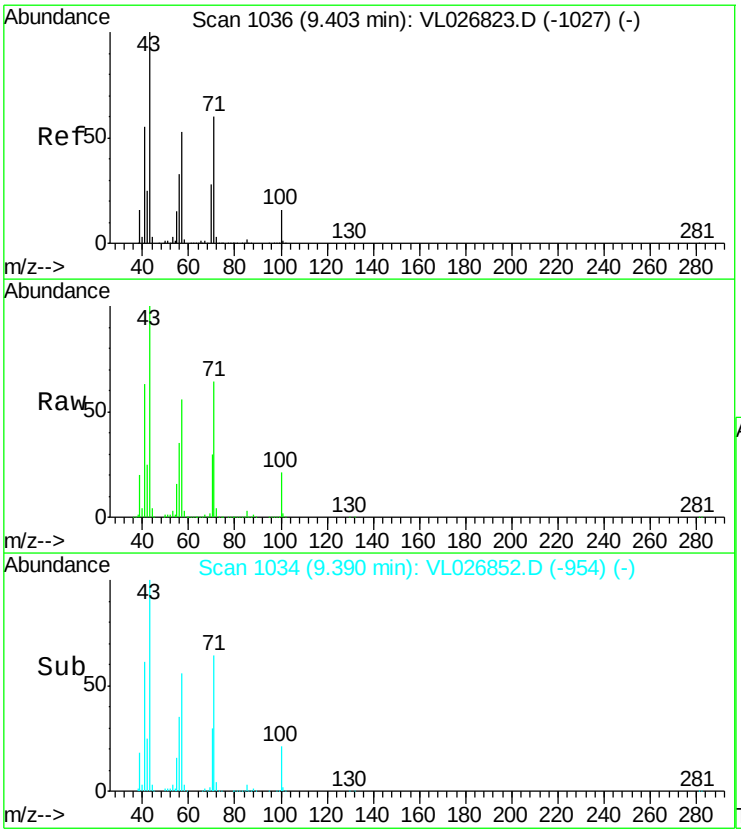
#9
Propene
Concen: 10.57 ppbv
RT: 3.62 min Scan# 87
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion: 41 Resp: 758479

Ion	Ratio	Lower	Upper
41	100		
42	67.0	52.8	79.2

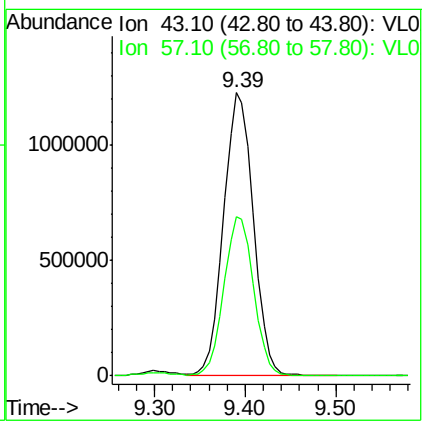


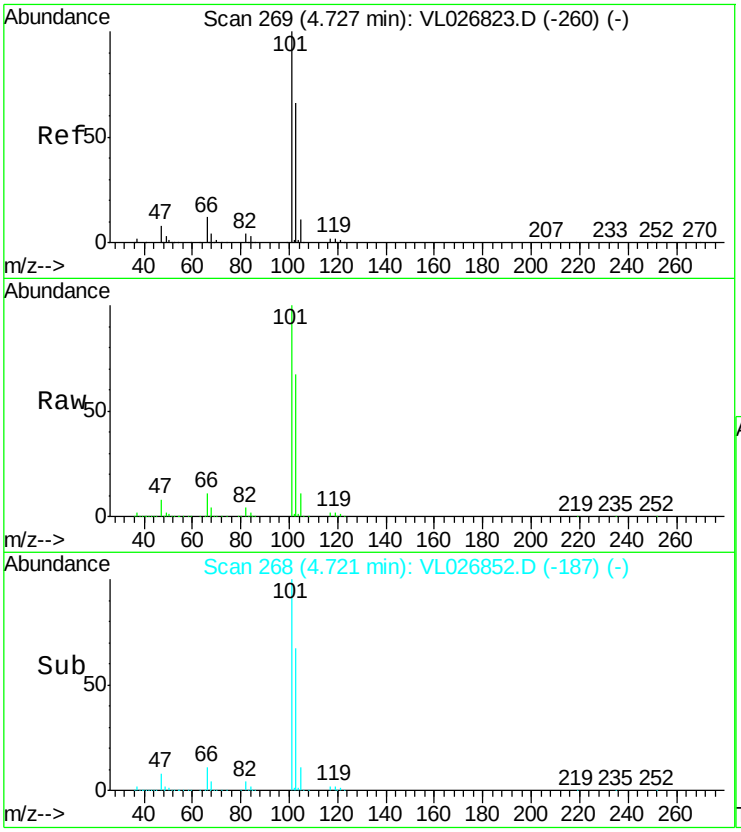


#10
Heptane
Concen: 11.81 ppbv
RT: 9.39 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 43 Resp: 2774624

Ion	Ratio	Lower	Upper
43	100		
57	56.5	44.0	66.0



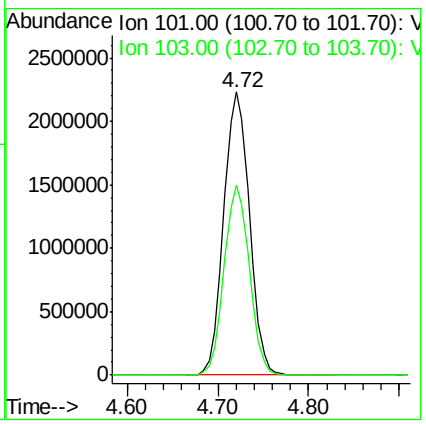


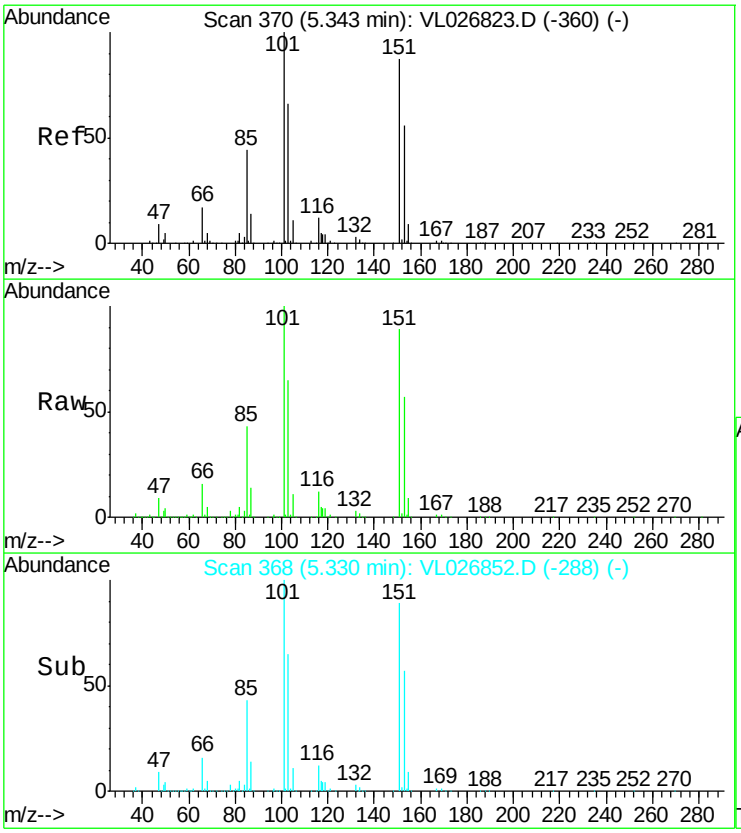
#11
Trichlorofluoromethane
Concen: 10.50 ppbv
RT: 4.72 min Scan# 268
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion:101 Resp: 4406917

Ion	Ratio	Lower	Upper
101	100		
103	67.2	52.7	79.1

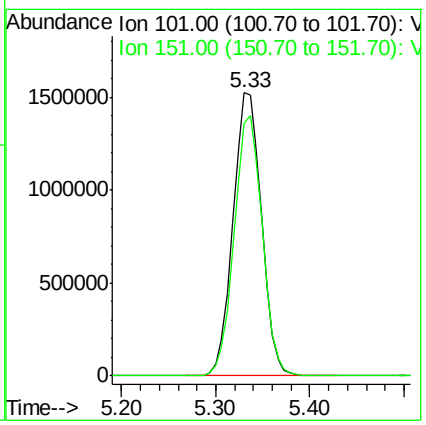


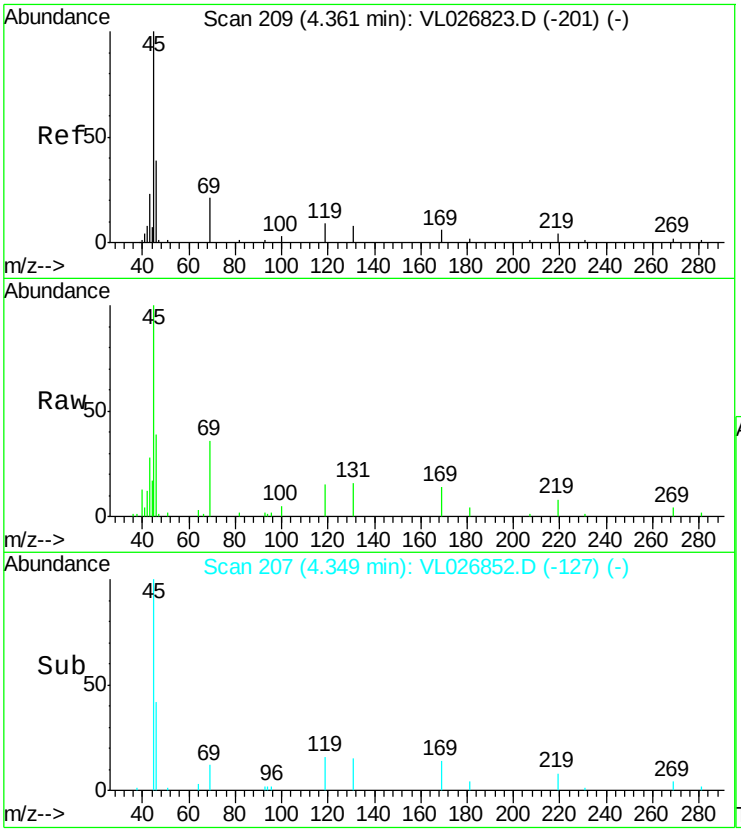


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.80 ppbv
RT: 5.33 min Scan# 368
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:101 Resp: 3209062

Ion	Ratio	Lower	Upper
101	100		
151	91.0	69.4	104.0



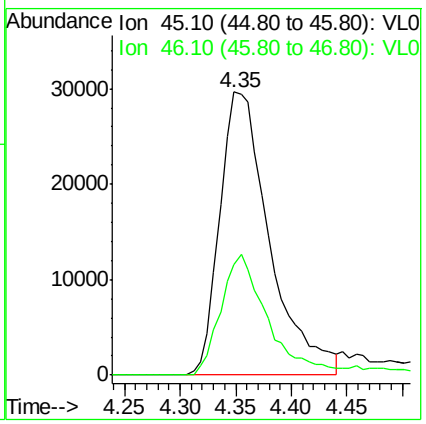


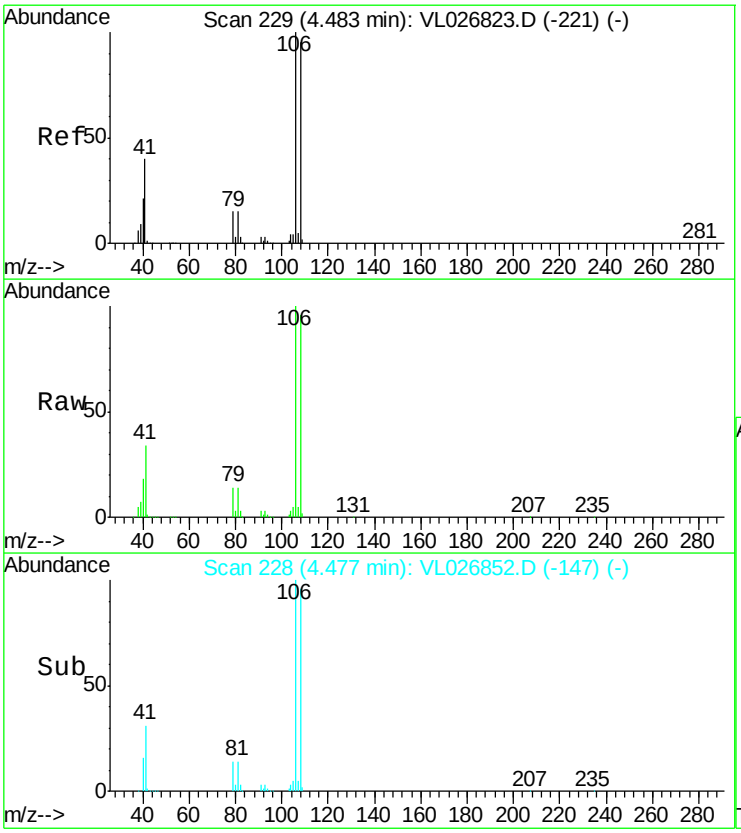
#13
Ethanol
Concen: 7.48 ppbv
RT: 4.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion: 45 Resp: 92255

Ion	Ratio	Lower	Upper
45	100		
46	43.4	15.8	63.4

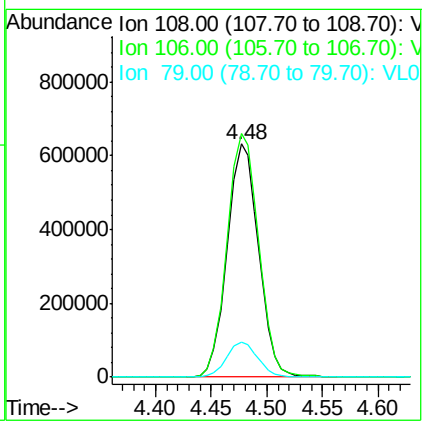


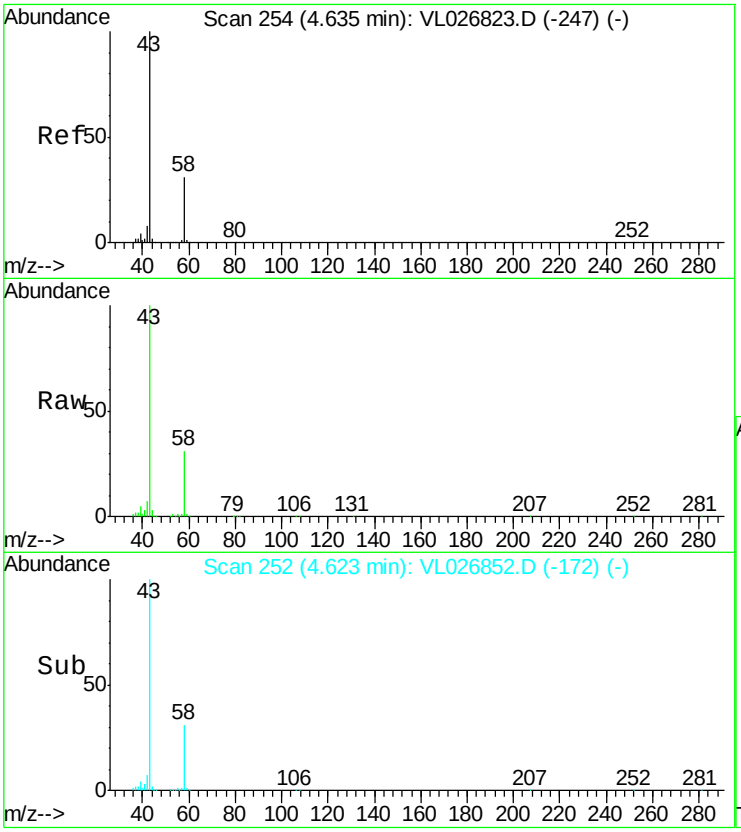


#14
Bromoethene
Concen: 11.37 ppbv
RT: 4.48 min Scan# 228
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:108 Resp: 1236400

Ion	Ratio	Lower	Upper
108	100		
106	106.0	84.6	126.8
79	15.4	13.4	20.0



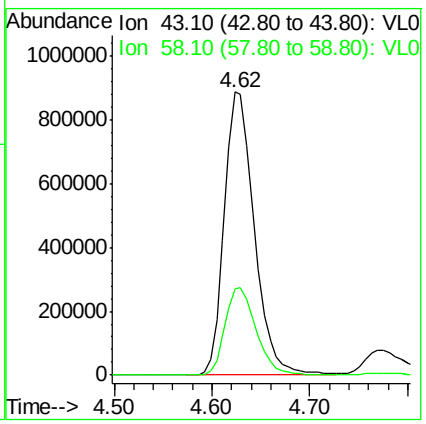


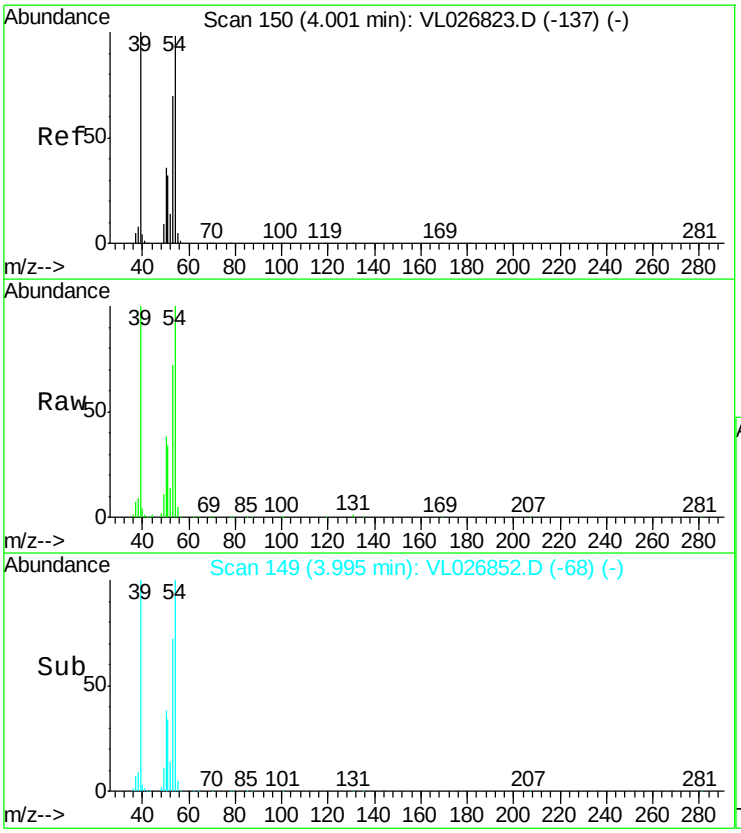
#15
Acetone
Concen: 8.40 ppbv
RT: 4.62 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 43 Resp: 1888485

Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.2	37.8

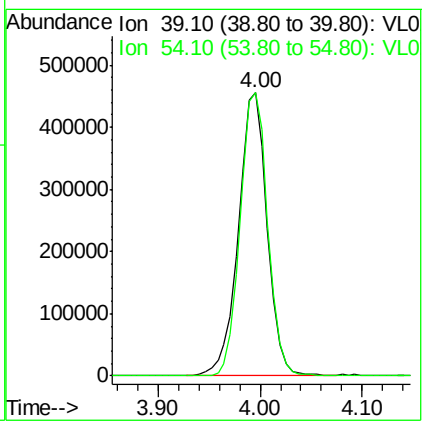


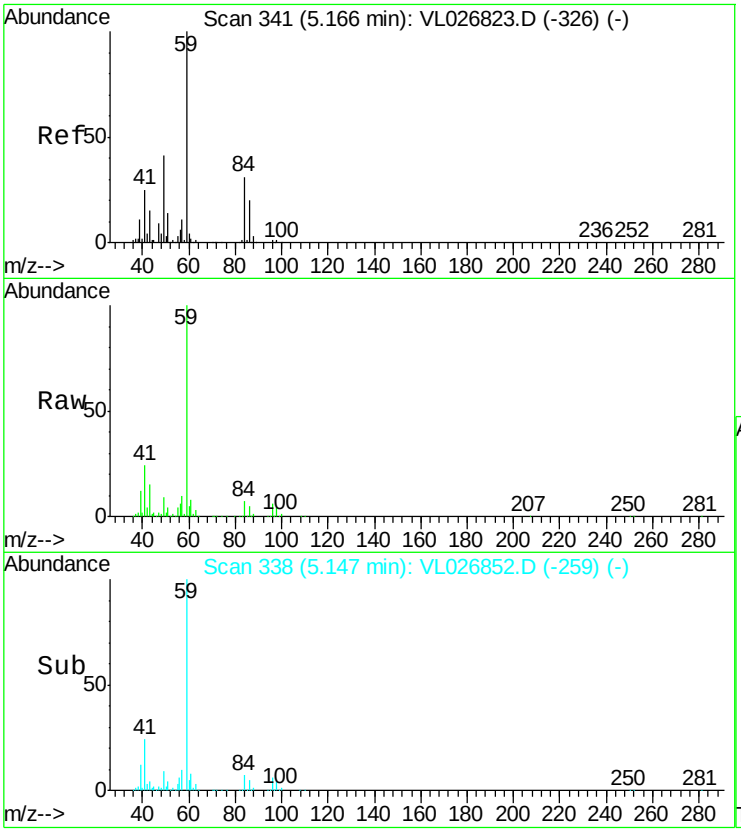


#16
1,3-Butadiene
Concen: 10.10 ppbv
RT: 4.00 min Scan# 149
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 39 Resp: 887270

Ion	Ratio	Lower	Upper
39	100		
54	96.8	74.7	112.1



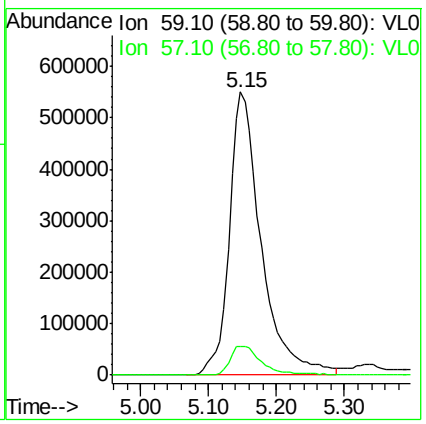


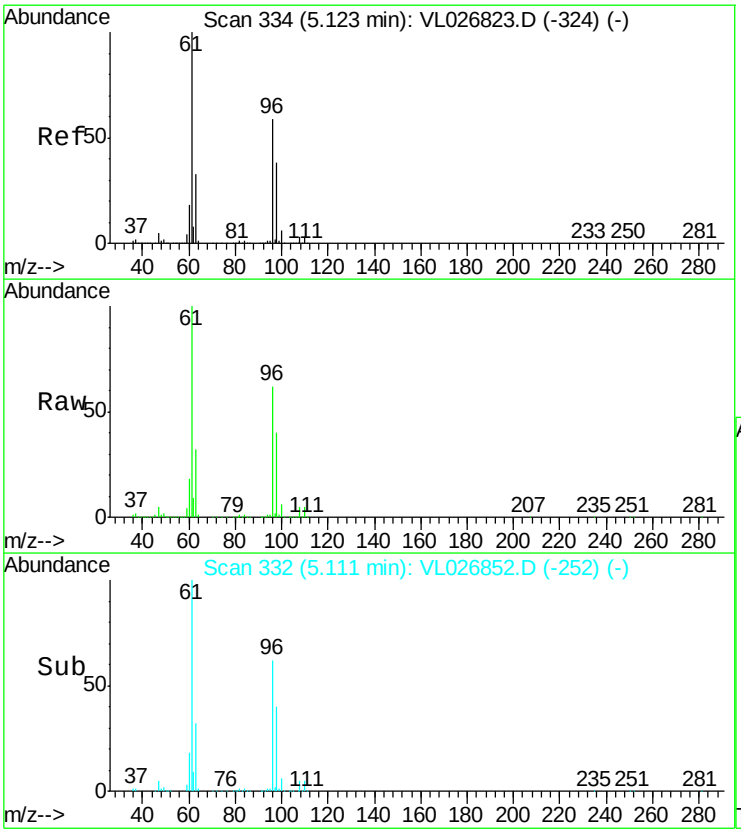
#17
tert-Butyl alcohol
Concen: 12.03 ppbv
RT: 5.15 min Scan# 338
Delta R.T. -0.02 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion: 59 Resp: 1785470

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.5	12.7

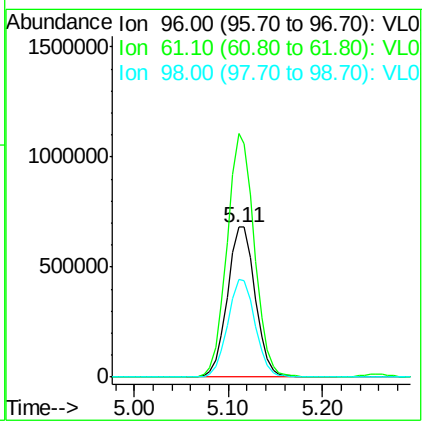


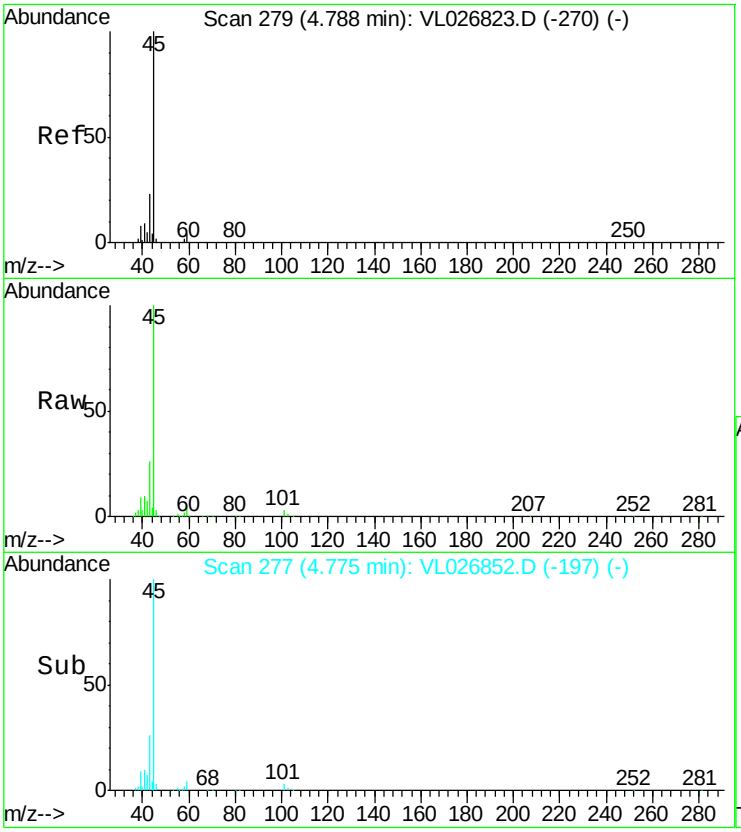


#18
1,1-Dichloroethene
Concen: 11.22 ppbv
RT: 5.11 min Scan# 332
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 96 Resp: 1395841

Ion	Ratio	Lower	Upper
96	100		
61	162.4	136.7	205.1
98	65.2	52.1	78.1



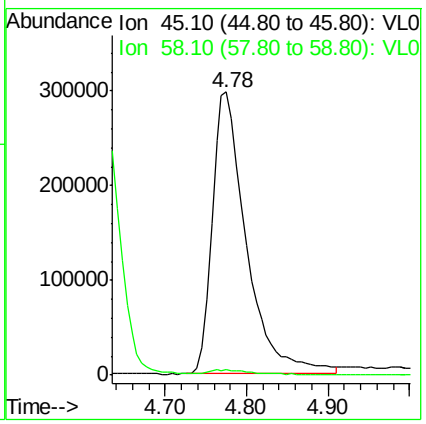


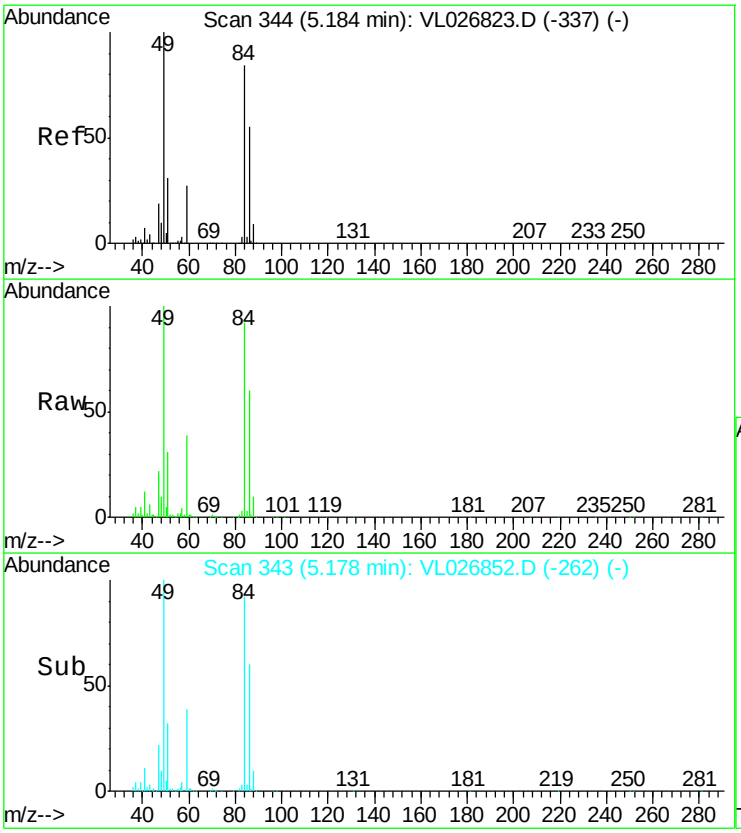
#19
Isopropyl Alcohol
Concen: 10.81 ppbv
RT: 4.78 min Scan# 277
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 45 Resp: 867322

Ion	Ratio	Lower	Upper
45	100		
58	2.6	2.2	3.2

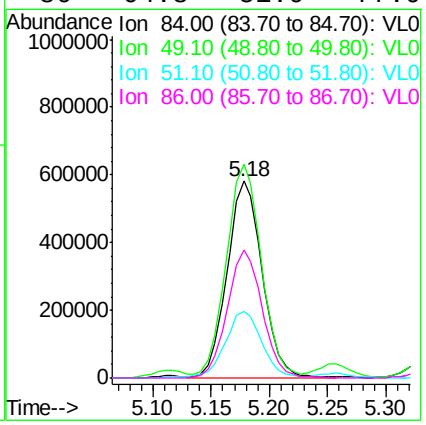


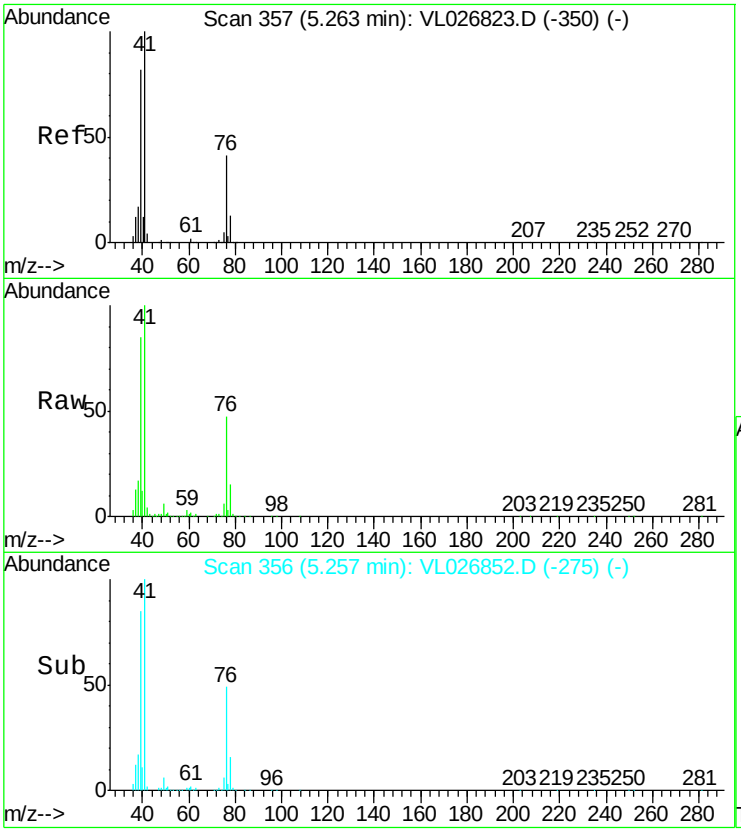


#20
Methylene Chloride
Concen: 10.45 ppbv
RT: 5.18 min Scan# 343
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 84 Resp: 1217904

Ion	Ratio	Lower	Upper
84	100		
49	106.6	94.9	142.3
51	33.5	29.5	44.3
86	64.8	51.9	77.9



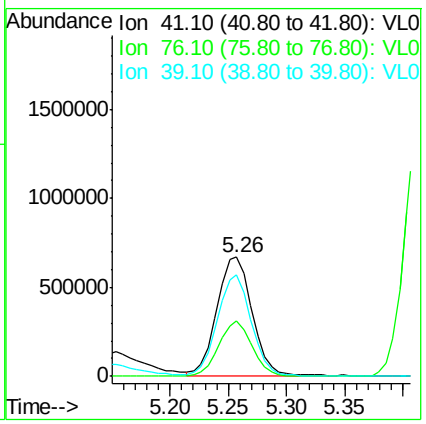


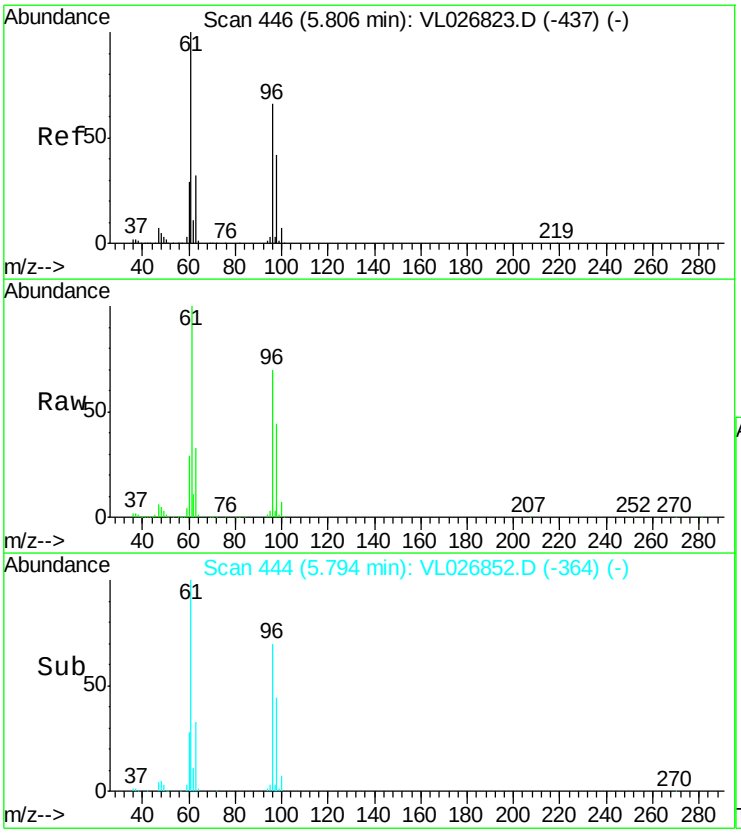
#21
Allyl Chloride
Concen: 9.95 ppbv
RT: 5.26 min Scan# 356
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 41 Resp: 1381771

Ion	Ratio	Lower	Upper
41	100		
76	44.8	32.0	48.0
39	83.4	64.6	96.8

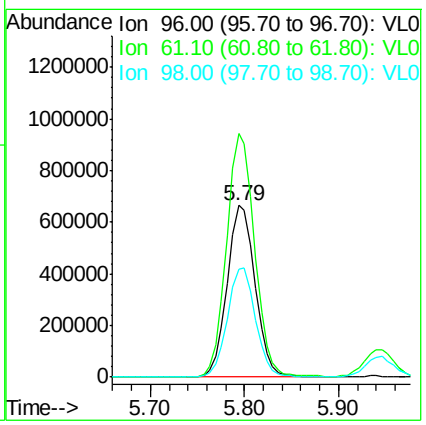


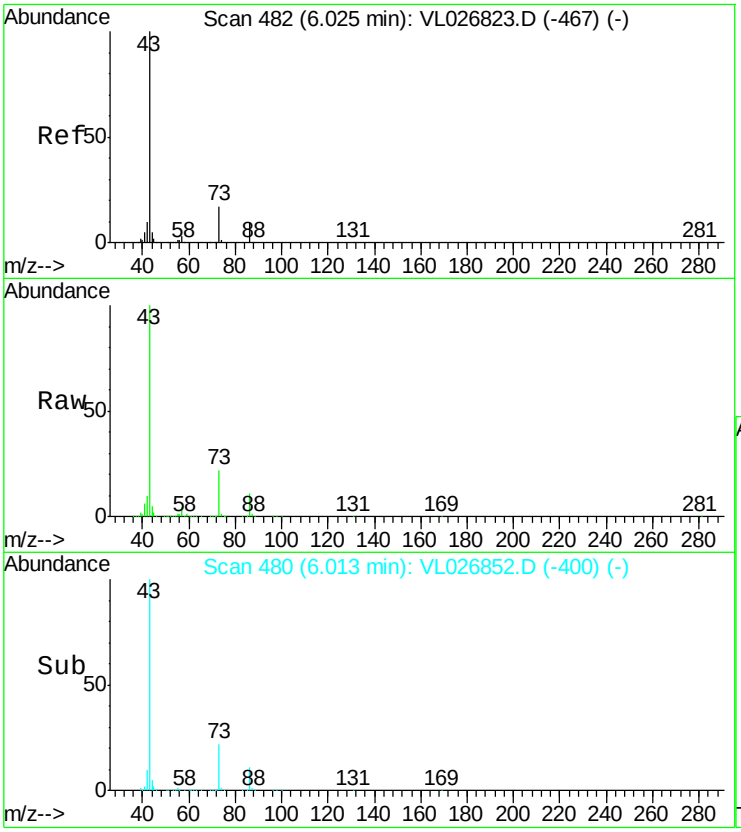


#22
trans-1,2-Dichloroethene
Concen: 12.27 ppbv
RT: 5.79 min Scan# 444
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 96 Resp: 1378280

Ion	Ratio	Lower	Upper
96	100		
61	142.1	121.6	182.4
98	62.8	50.6	76.0



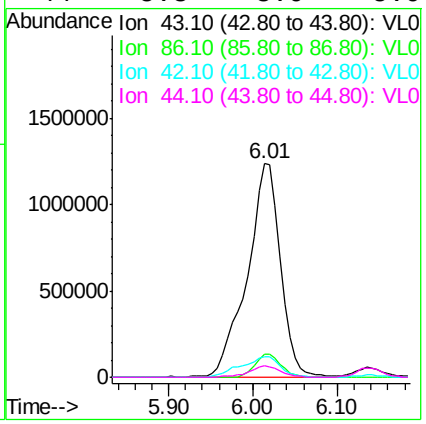


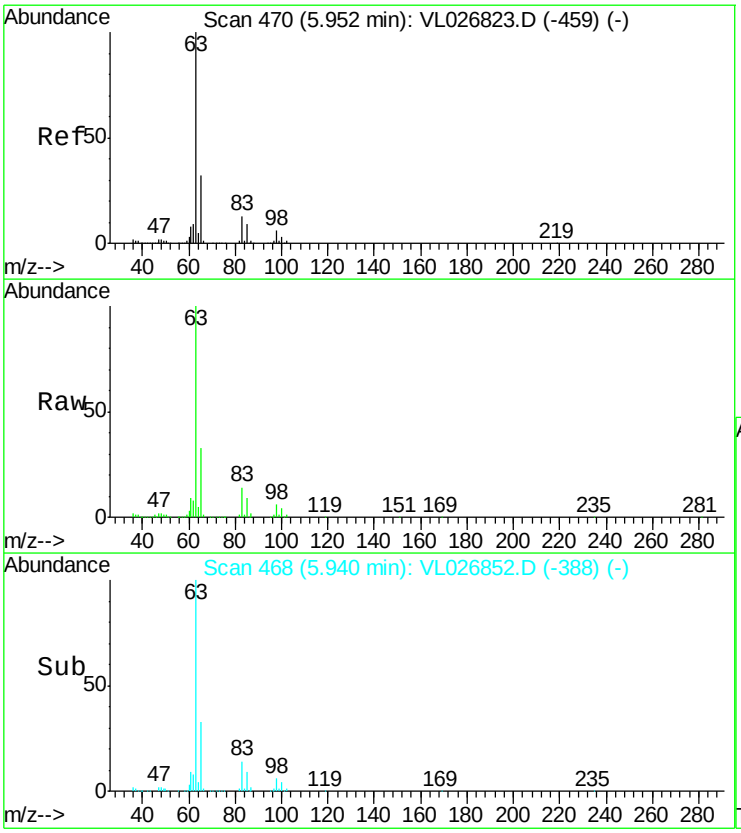
#23
Vinyl Acetate
Concen: 10.88 ppbv
RT: 6.01 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 43 Resp: 3318198

Ion	Ratio	Lower	Upper
43	100		
86	10.6	7.7	11.5
42	9.7	7.8	11.8
44	5.3	3.9	5.9

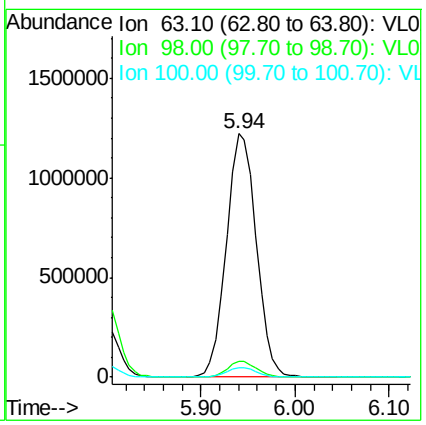


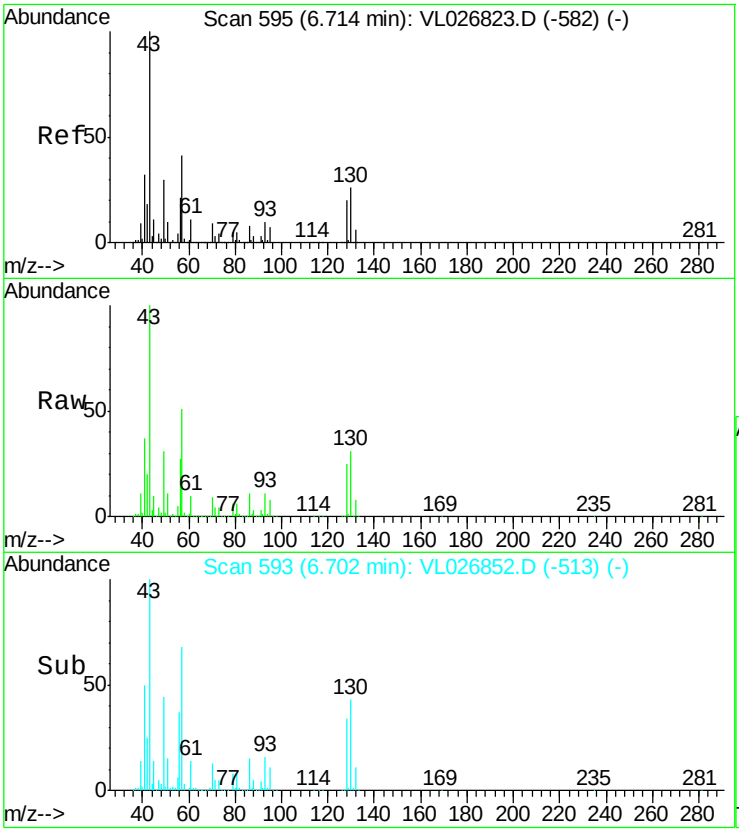


#24
1,1-Dichloroethane
Concen: 11.04 ppbv
RT: 5.94 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 63 Resp: 2692038

Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.9	8.7
100	3.9	1.7	5.1



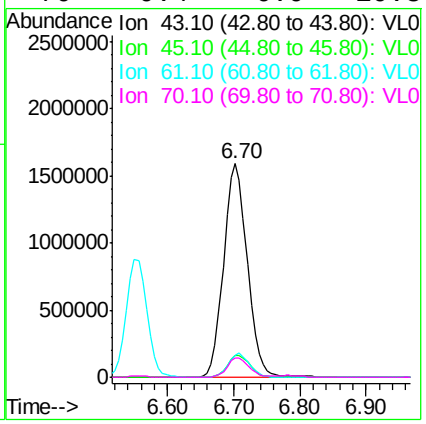


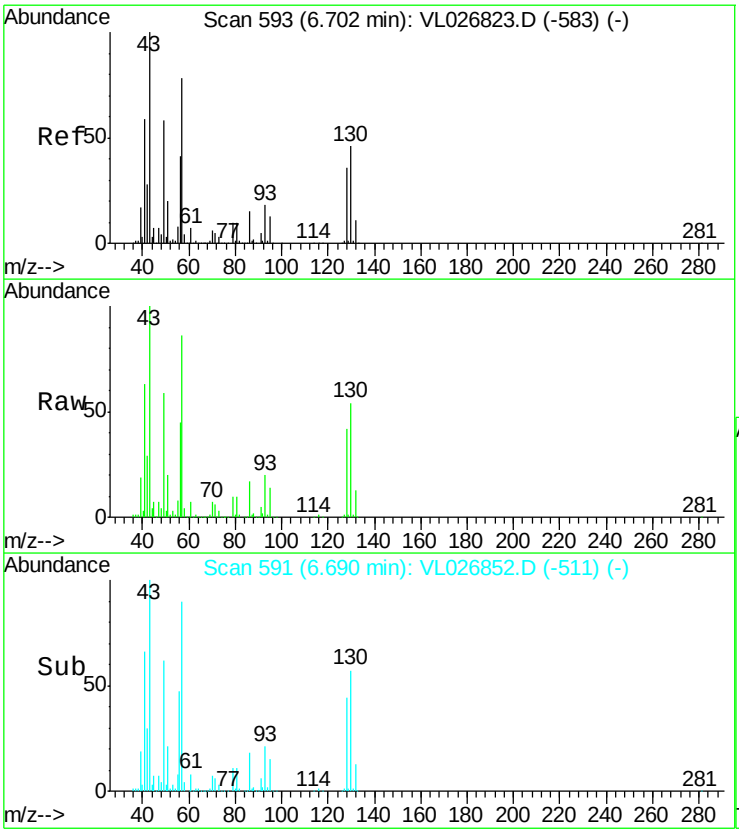
#25
Ethyl Acetate
Concen: 11.65 ppbv
RT: 6.70 min Scan# 593
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 43 Resp: 3929733

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	10.5	7.9	11.9
70	9.4	6.9	10.3

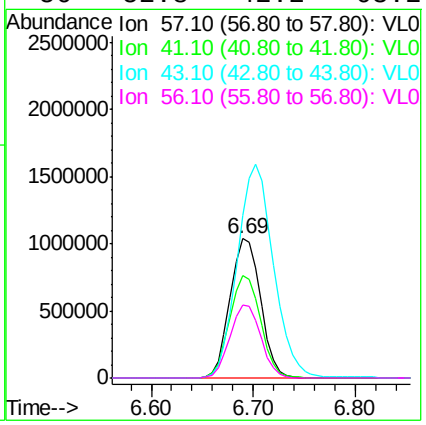


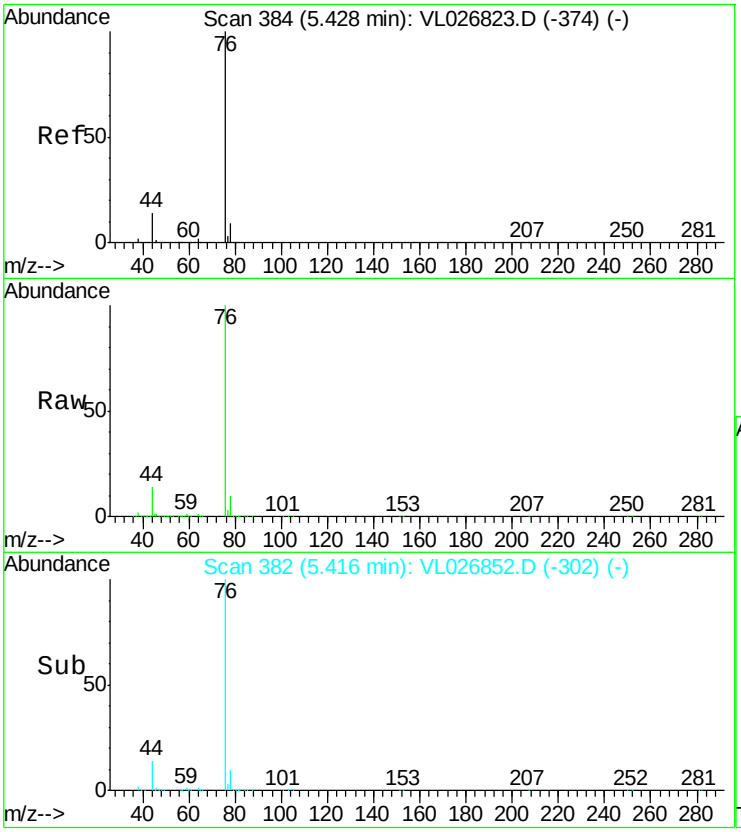


#26
Hexane
Concen: 11.34 ppbv
RT: 6.69 min Scan# 591
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 57 Resp: 2157353

Ion	Ratio	Lower	Upper
57	100		
41	75.4	63.3	94.9
43	182.7	151.4	227.2
56	52.8	42.2	63.2



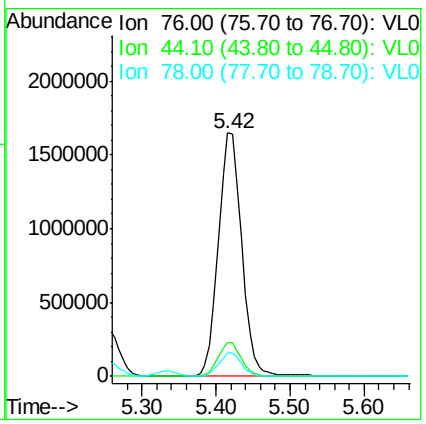


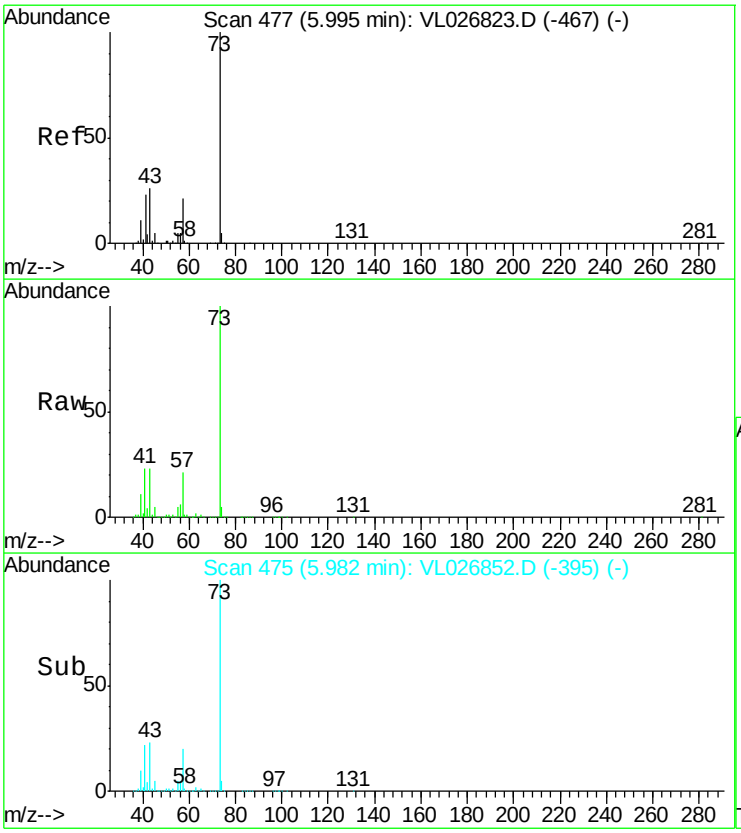
#27
Carbon Disulfide
Concen: 11.01 ppbv
RT: 5.42 min Scan# 382
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 76 Resp: 3608523

Ion	Ratio	Lower	Upper
76	100		
44	14.0	12.1	18.1
78	9.6	7.7	11.5

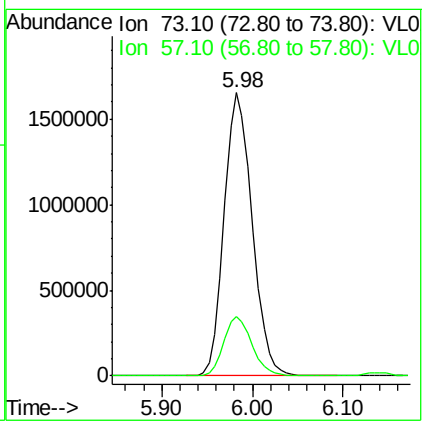


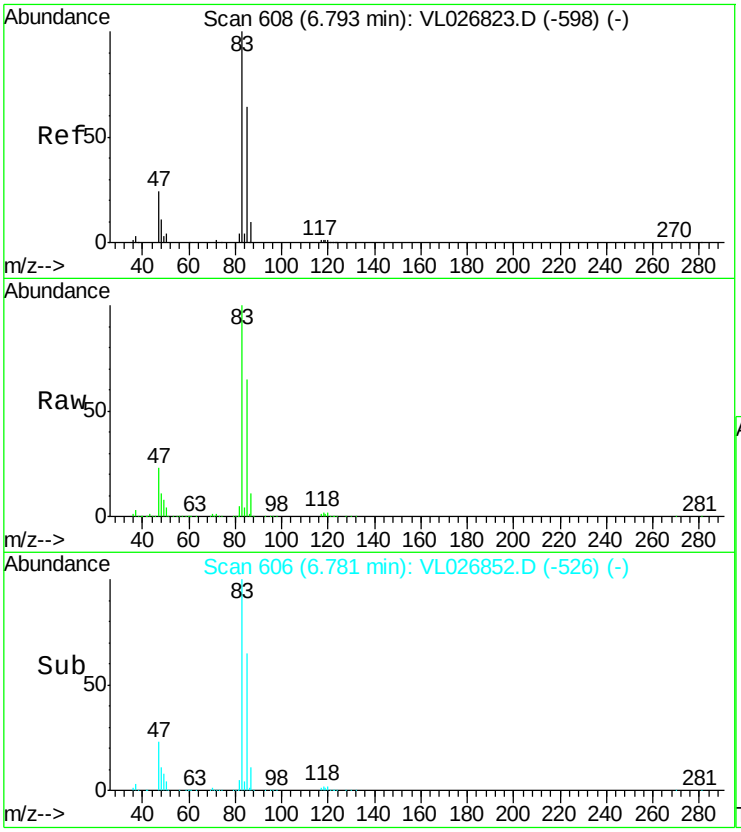


#28
Methyl tert-Butyl Ether
Concen: 11.95 ppbv
RT: 5.98 min Scan# 475
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 73 Resp: 3551047

Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.0	25.6



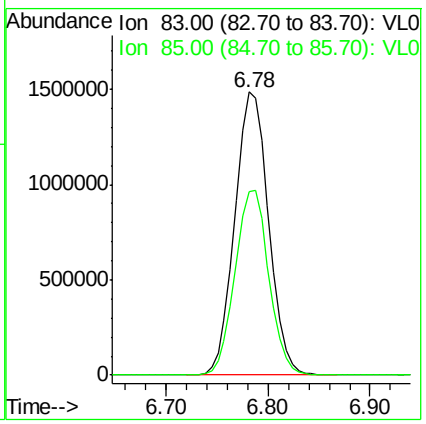


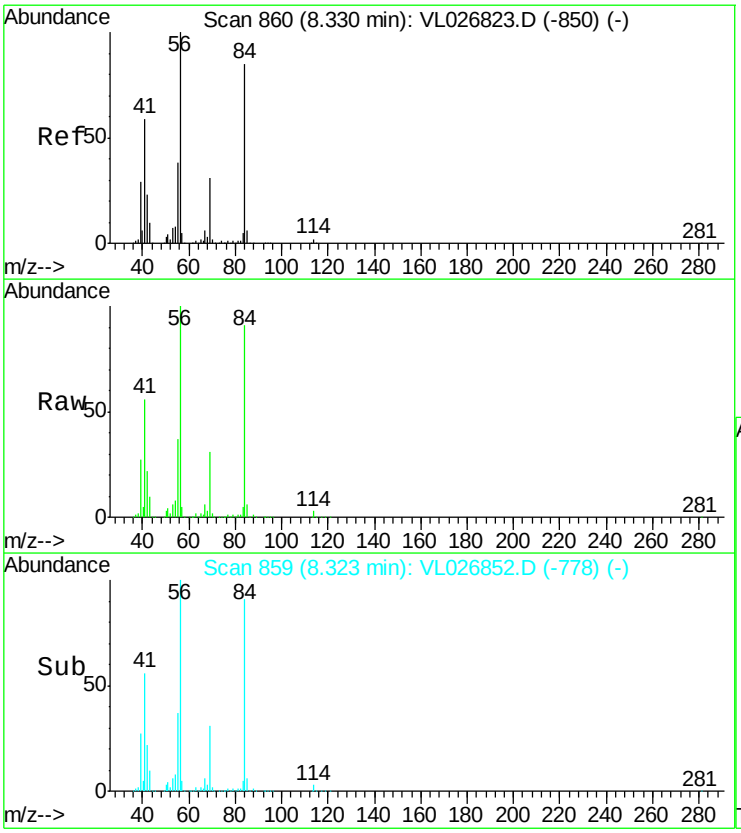
#29
Chloroform
Concen: 11.55 ppbv
RT: 6.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion: 83 Resp: 3417309

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.5	77.3

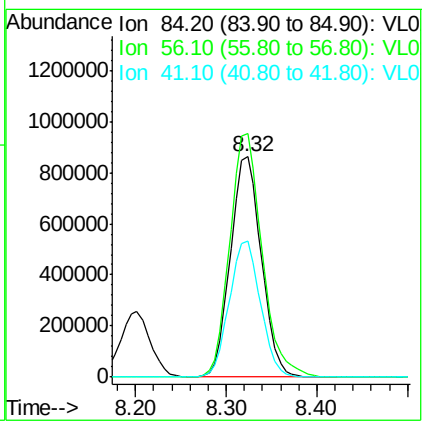


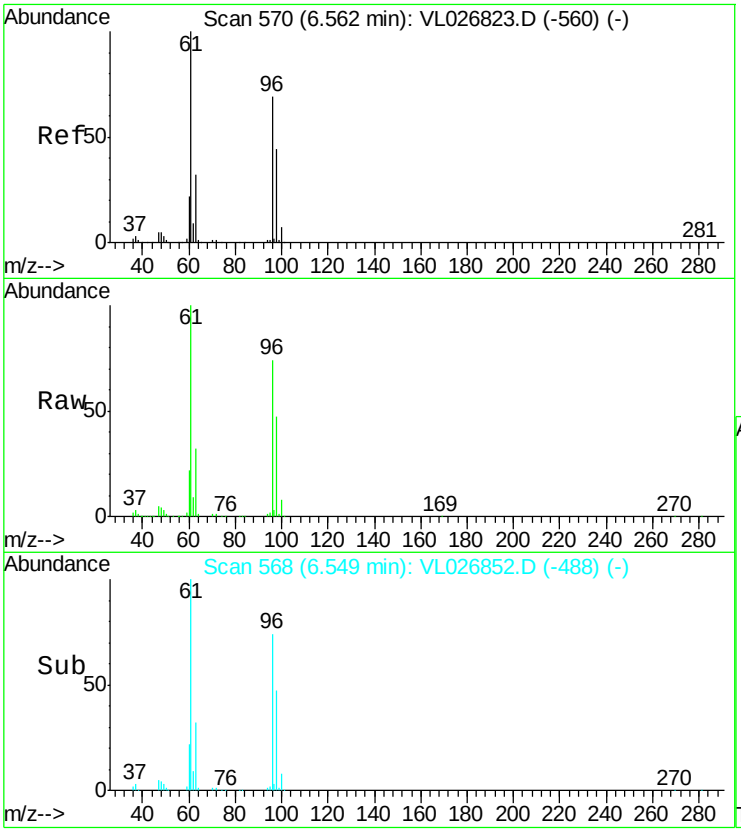


#30
Cyclohexane
Concen: 13.13 ppbv
RT: 8.32 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 84 Resp: 2032379

Ion	Ratio	Lower	Upper
84	100		
56	116.5	99.4	149.2
41	62.7	56.7	85.1



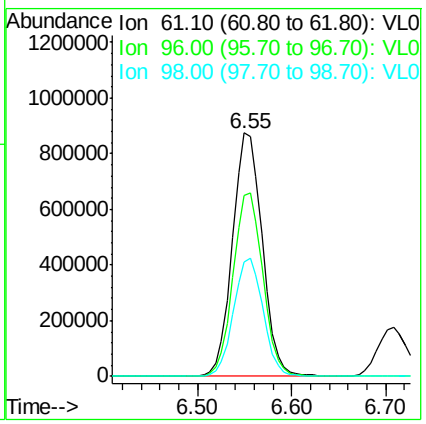


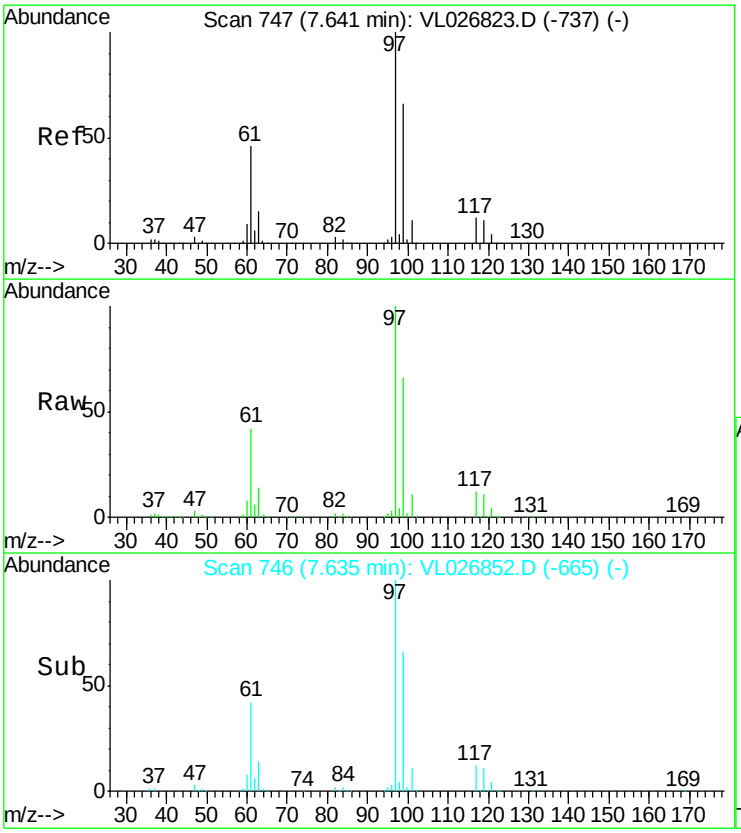
#31
cis-1,2-Dichloroethene
Concen: 12.17 ppbv
RT: 6.55 min Scan# 568
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion: 61 Resp: 1932420

Ion	Ratio	Lower	Upper
61	100		
96	74.5	55.2	82.8
98	47.0	35.2	52.8

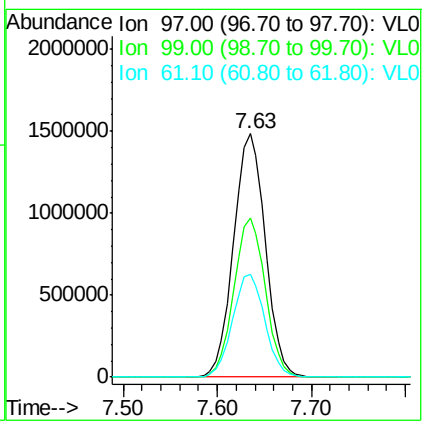


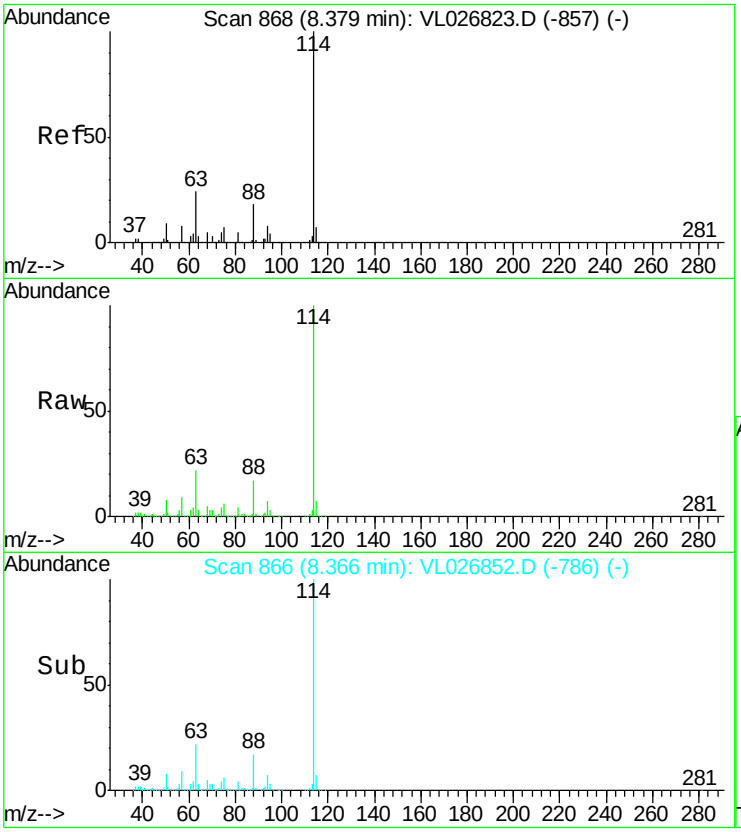


#32
1,1,1-Trichloroethane
Concen: 11.73 ppbv
RT: 7.63 min Scan# 746
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 97 Resp: 3491664

Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.0	78.0
61	43.1	36.2	54.4



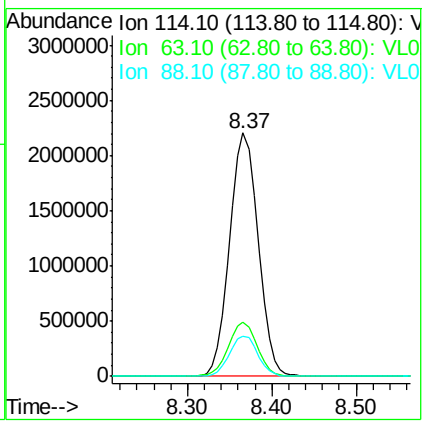


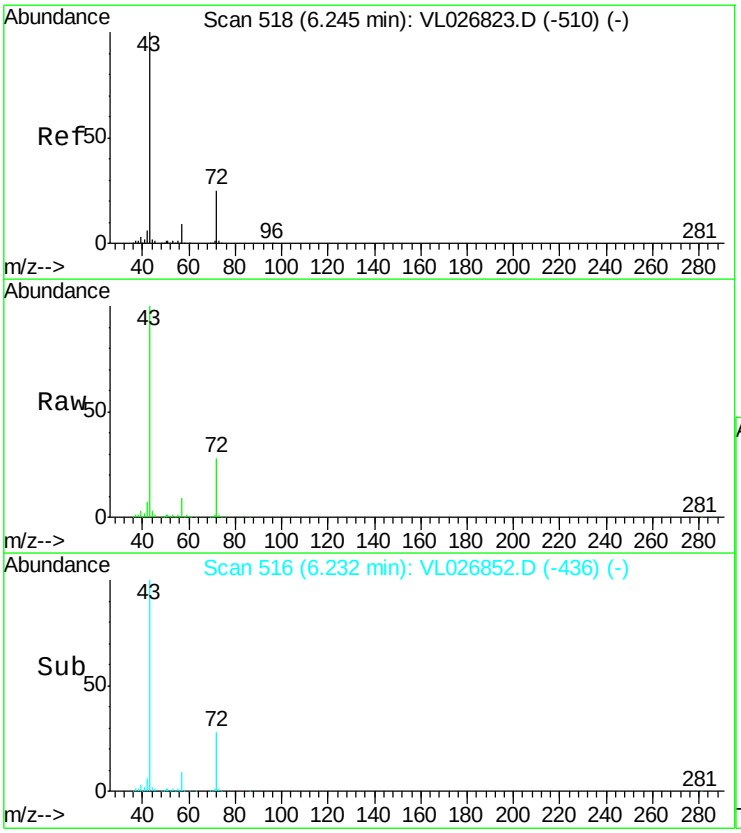
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.37 min Scan# 866
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion:114 Resp: 5044423

Ion	Ratio	Lower	Upper
114	100		
63	22.6	19.7	29.5
88	16.5	13.8	20.6

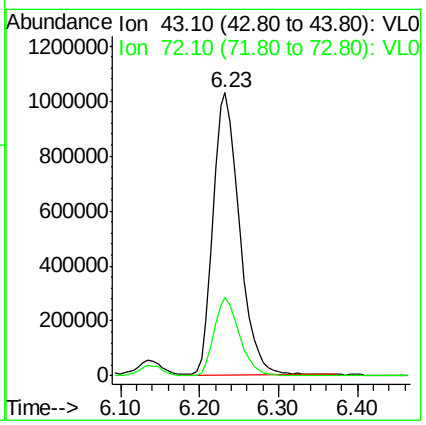


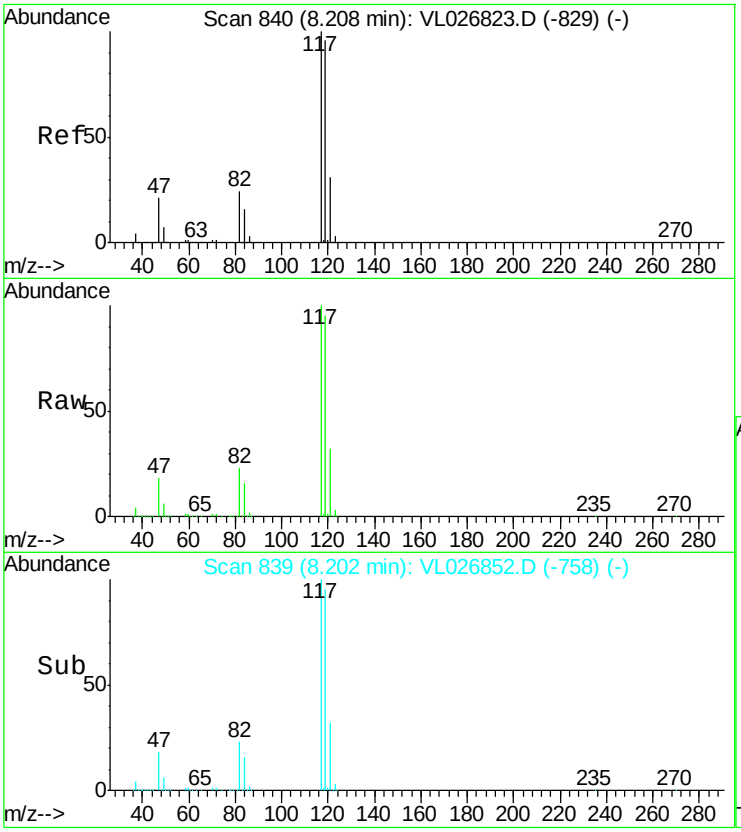


#34
2-Butanone
Concen: 9.67 ppbv
RT: 6.23 min Scan# 516
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 43 Resp: 2390198

Ion	Ratio	Lower	Upper
43	100		
72	26.8	19.8	29.8



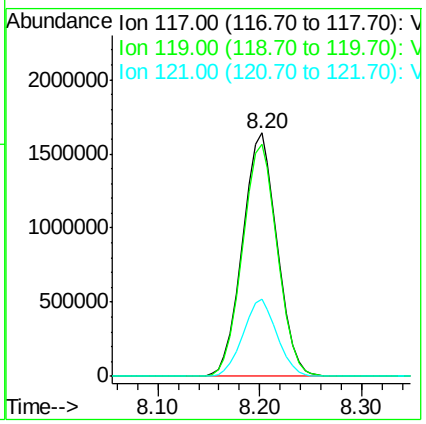


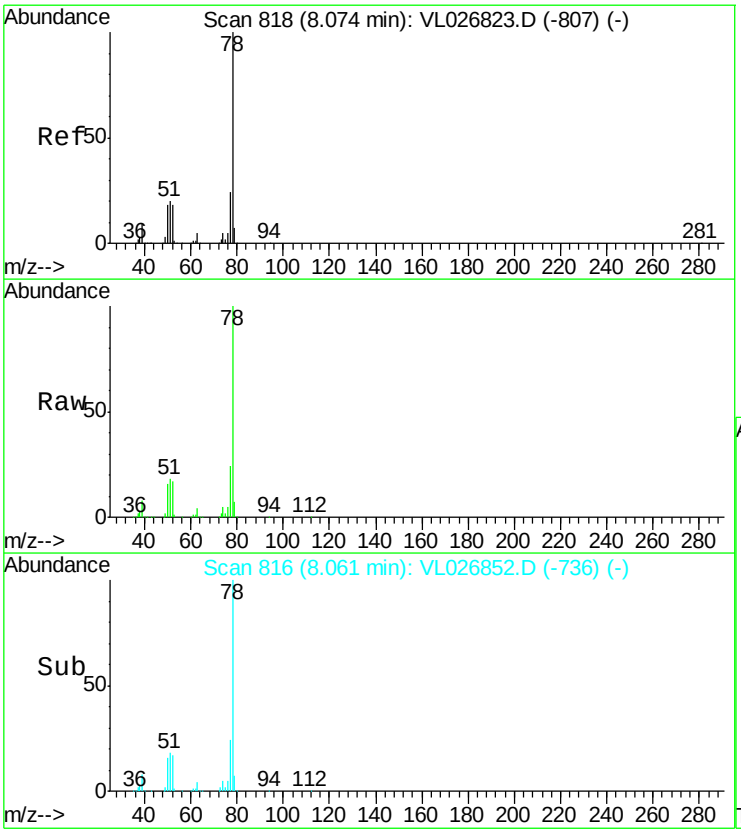
#35
Carbon Tetrachloride
Concen: 10.54 ppbv
RT: 8.20 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion:117 Resp: 3864770

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.6	115.0
121	31.6	25.0	37.4

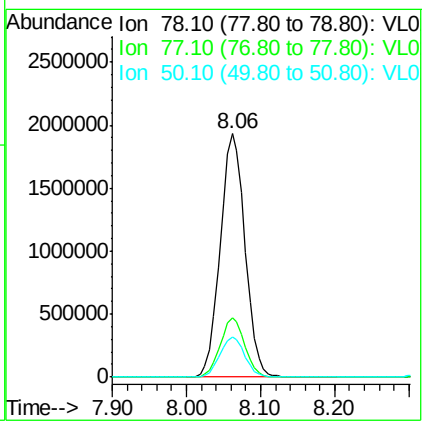


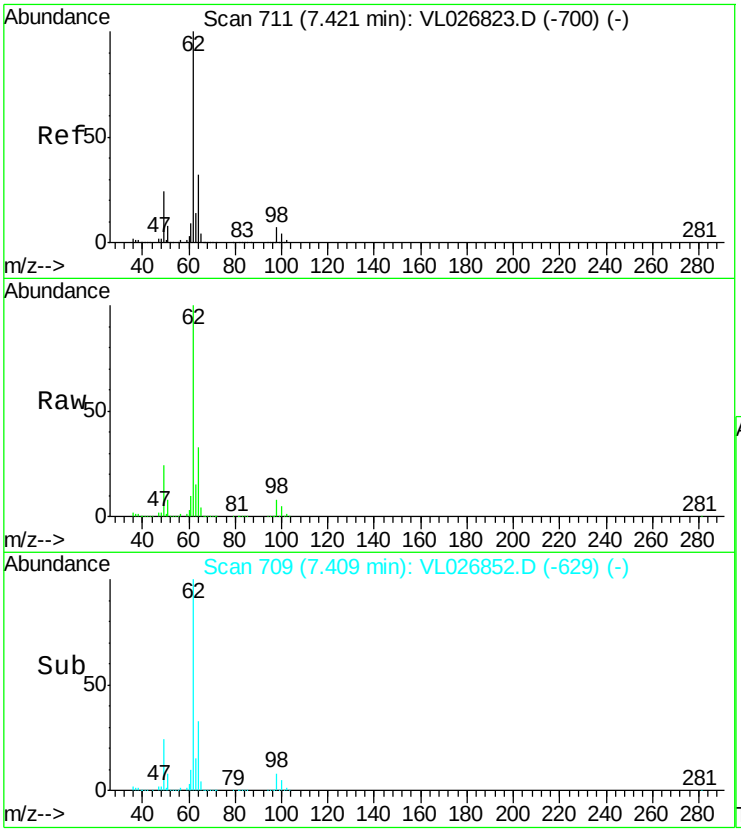


#36
Benzene
Concen: 11.18 ppbv
RT: 8.06 min Scan# 816
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 78 Resp: 4474816

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6
50	16.5	14.2	21.4



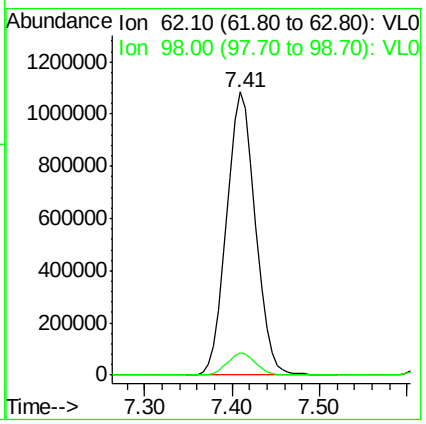


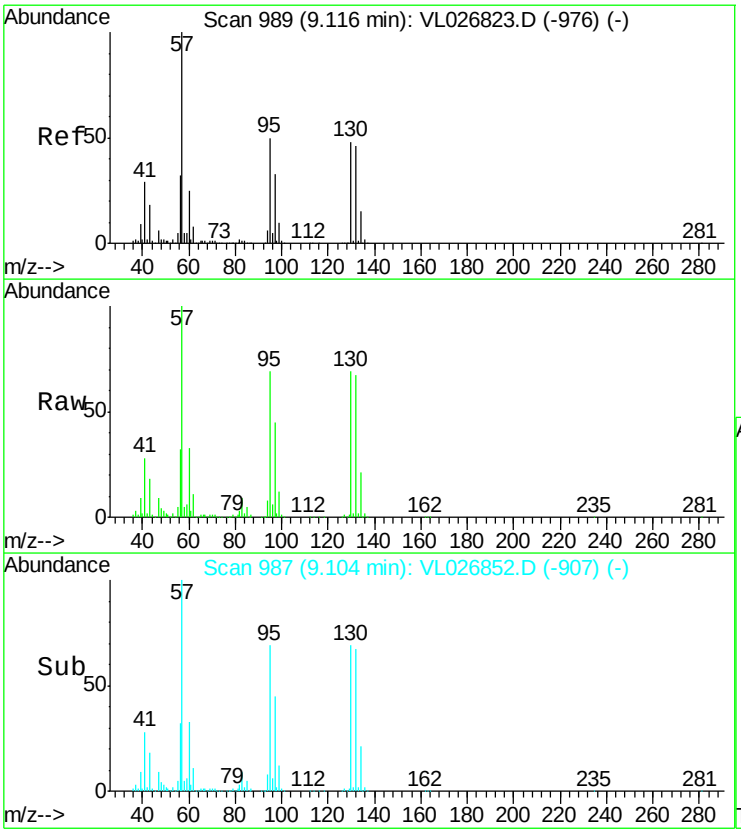
#37
1,2-Dichloroethane
Concen: 9.94 ppbv
RT: 7.41 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 62 Resp: 2491196

Ion	Ratio	Lower	Upper
62	100		
98	7.8	5.4	8.2

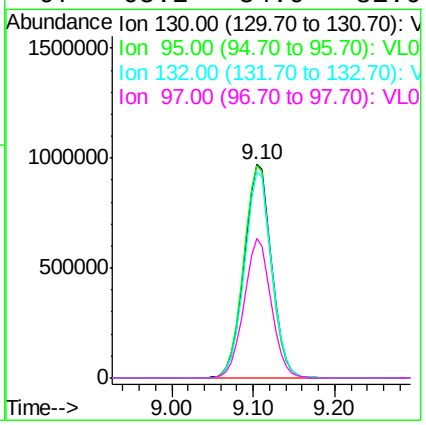


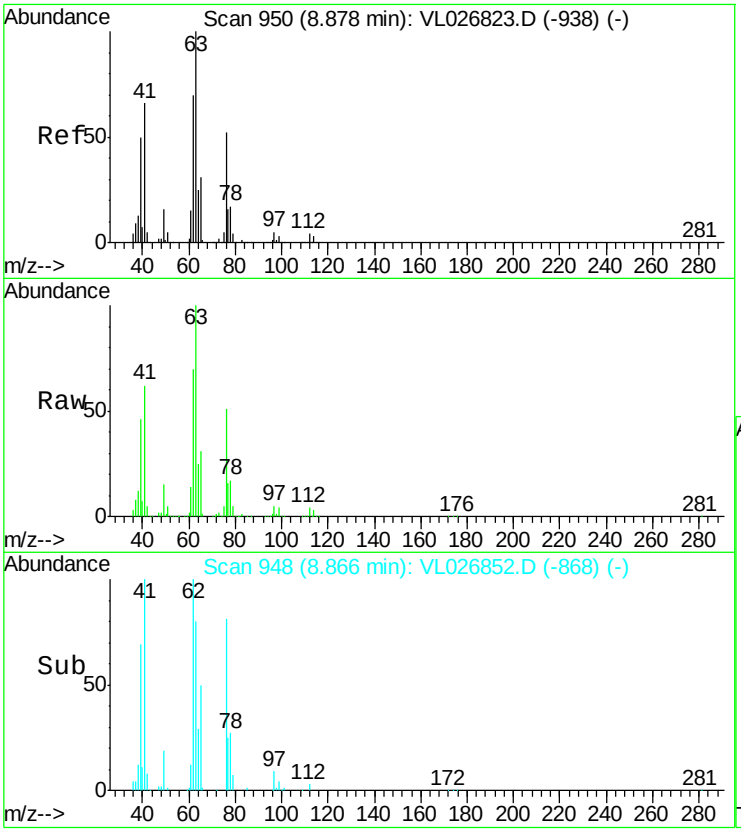


#38
Trichloroethene
Concen: 12.37 ppbv
RT: 9.10 min Scan# 987
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:130 Resp: 2282075

Ion	Ratio	Lower	Upper
130	100		
95	99.4	83.0	124.6
132	96.6	76.0	114.0
97	65.2	54.0	81.0



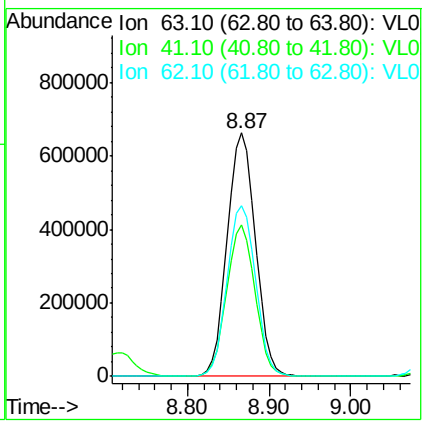


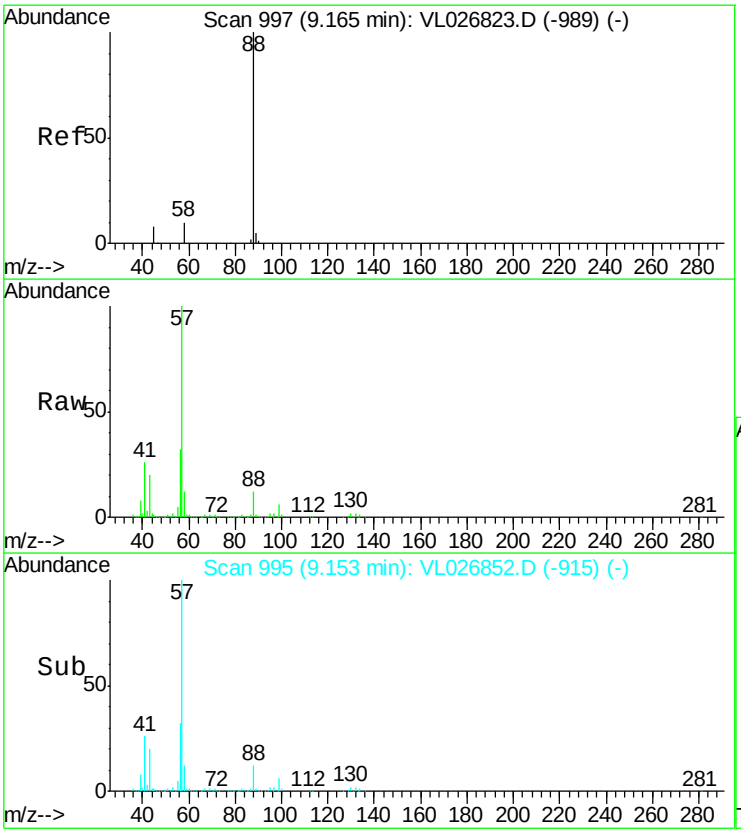
#39
1,2-Dichloropropane
Concen: 10.52 ppbv
RT: 8.87 min Scan# 948
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 63 Resp: 1591247

Ion	Ratio	Lower	Upper
63	100		
41	61.9	53.2	79.8
62	70.3	56.0	84.0

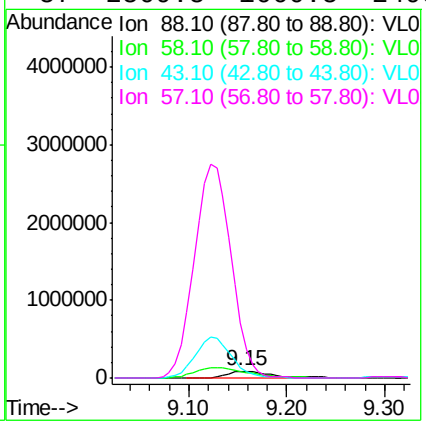


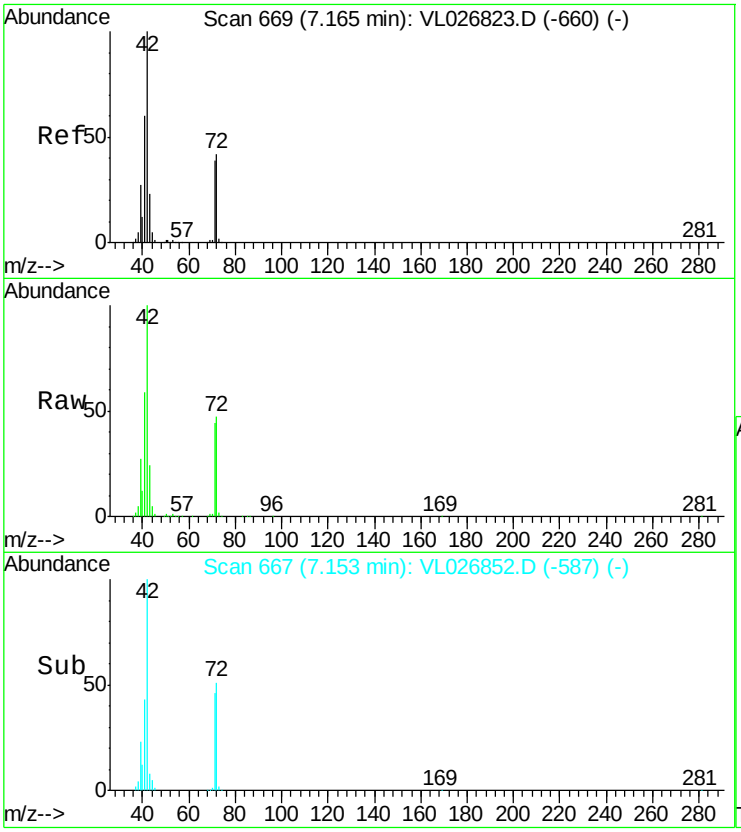


#40
1,4-Dioxane
Concen: 10.73 ppbv
RT: 9.15 min Scan# 995
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 88 Resp: 287899

Ion	Ratio	Lower	Upper
88	100		
58	187.2	135.6	203.4
43	475.8	332.3	498.5
57	2509.5	1660.5	2490.7#



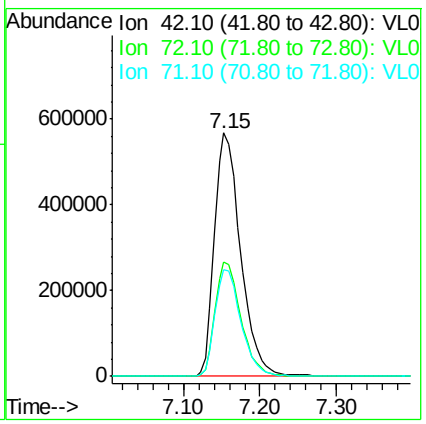


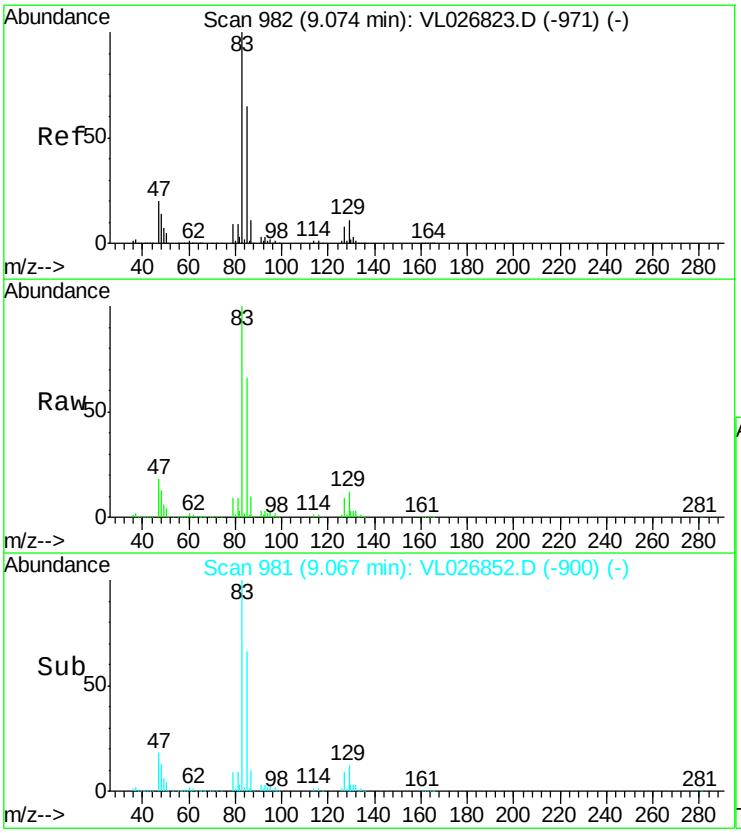
#41
Tetrahydrofuran
Concen: 11.08 ppbv
RT: 7.15 min Scan# 667
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion: 42 Resp: 1348527

Ion	Ratio	Lower	Upper
42	100		
72	46.4	33.4	50.0
71	43.8	32.1	48.1

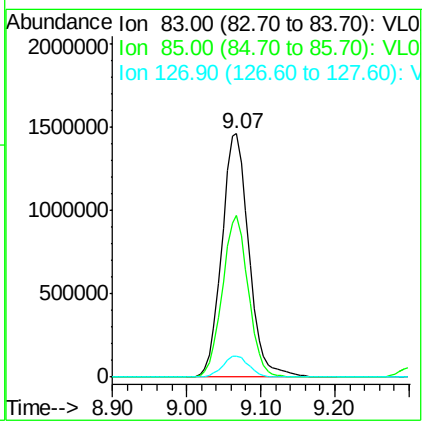


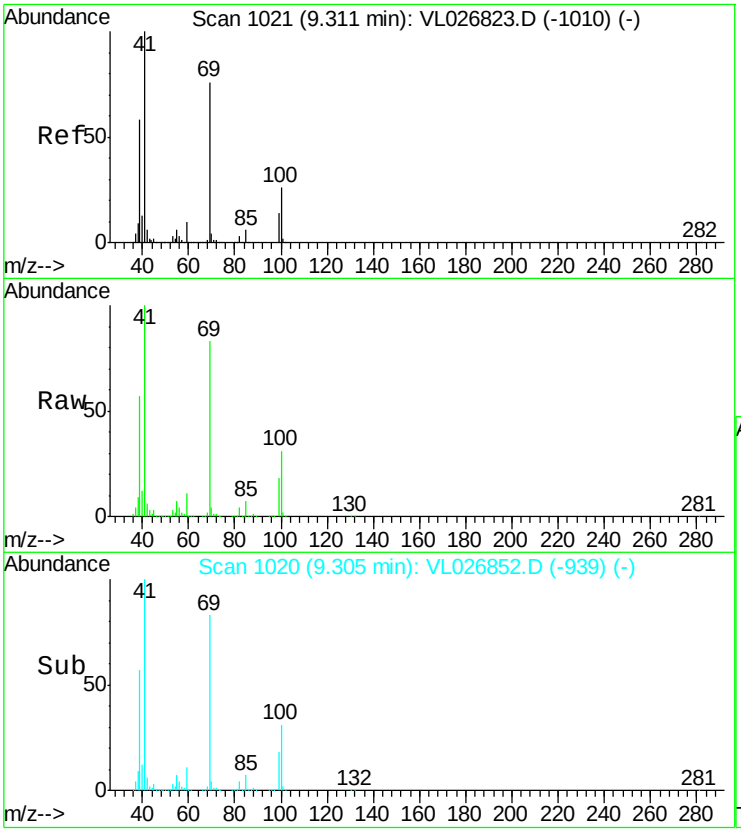


#42
Bromodichloromethane
Concen: 10.97 ppbv
RT: 9.07 min Scan# 981
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 83 Resp: 3700810

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.8	77.6
127	8.7	6.4	9.6



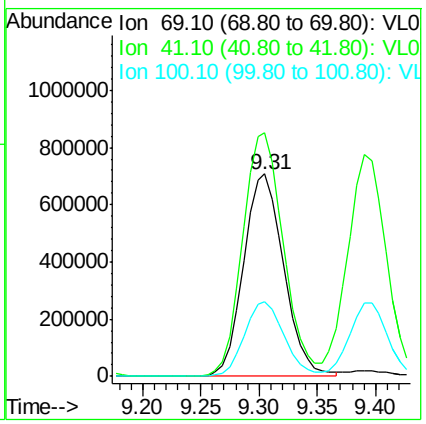


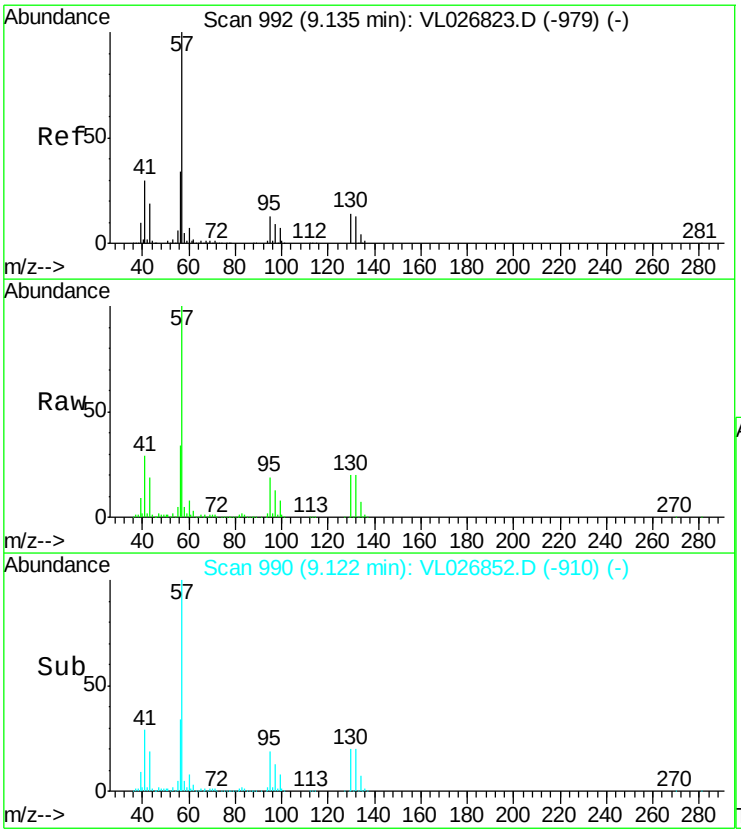
#43
Methyl Methacrylate
Concen: 12.13 ppbv
RT: 9.31 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 69 Resp: 1702621

Ion	Ratio	Lower	Upper
69	100		
41	121.1	106.5	159.7
100	36.4	27.2	40.8

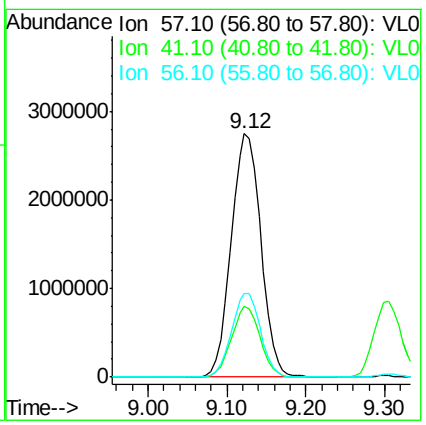


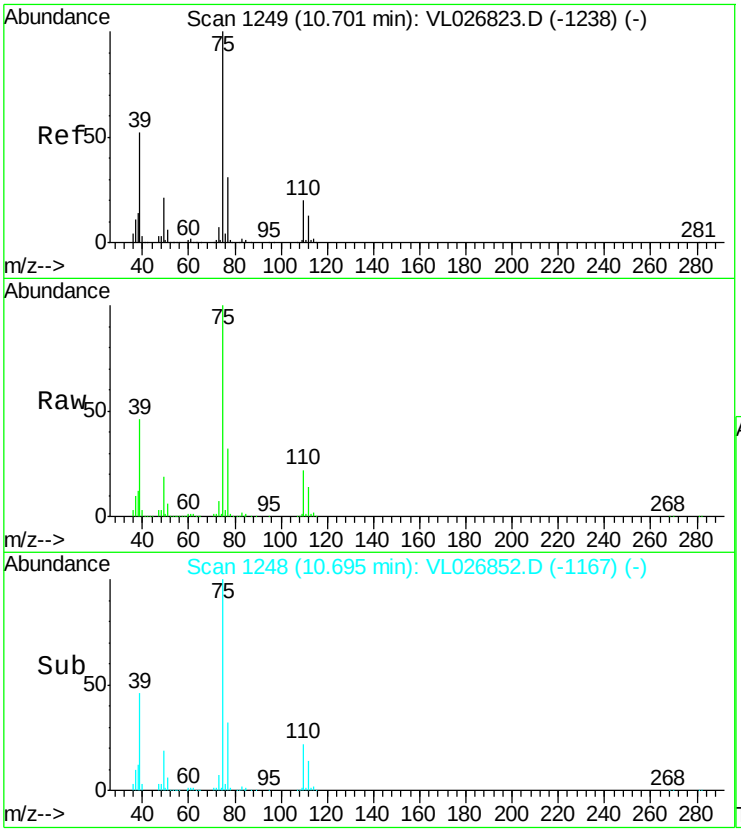


#44
2,2,4-Trimethylpentane
Concen: 10.56 ppbv
RT: 9.12 min Scan# 990
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 57 Resp: 7225470

Ion	Ratio	Lower	Upper
57	100		
41	27.8	23.2	34.8
56	33.5	26.2	39.4



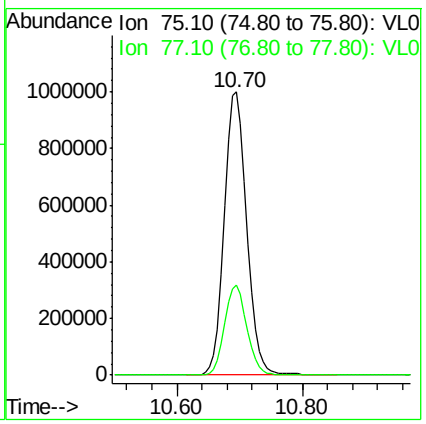


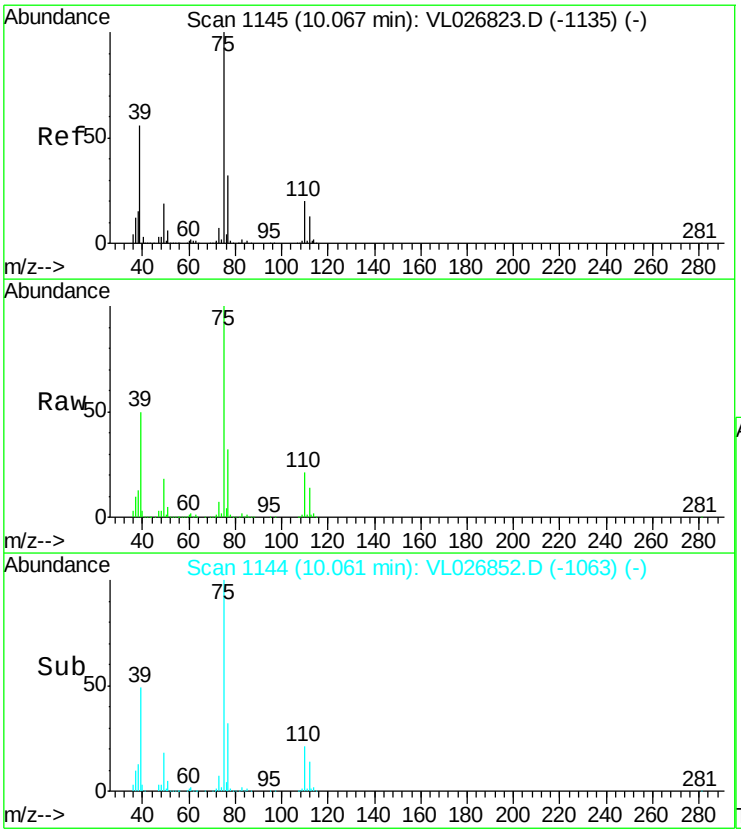
#45
t-1,3-Dichloropropene
Concen: 13.12 ppbv
RT: 10.70 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 75 Resp: 2476445

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.6

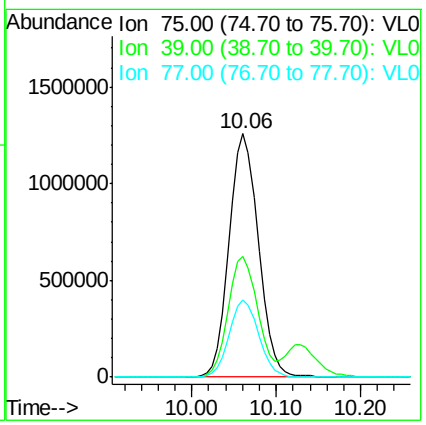


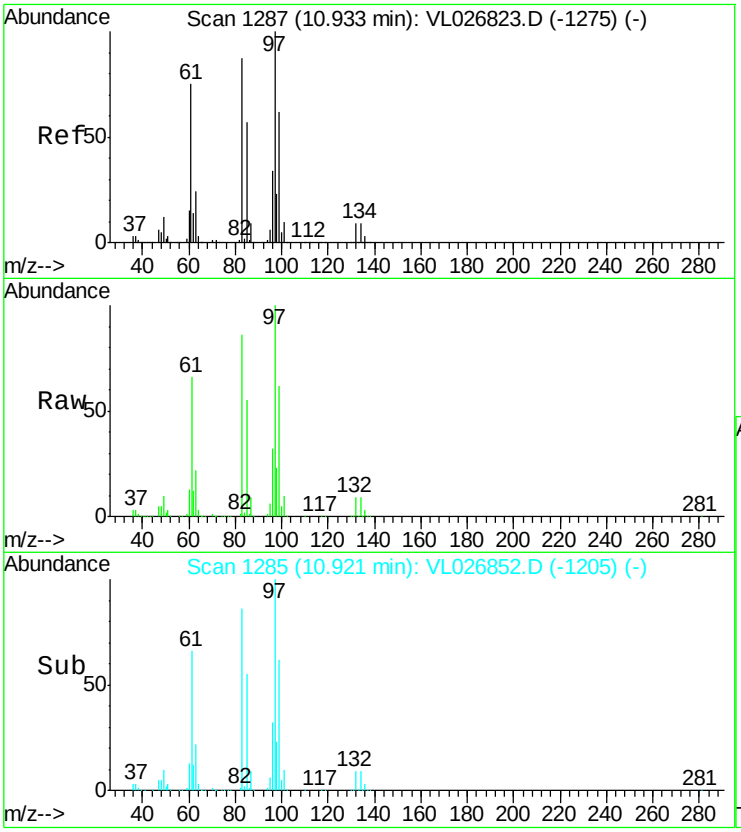


#46
cis-1,3-Dichloropropene
Concen: 12.92 ppbv
RT: 10.06 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 75 Resp: 2969282

Ion	Ratio	Lower	Upper
75	100		
39	49.5	45.0	67.6
77	31.9	25.2	37.8



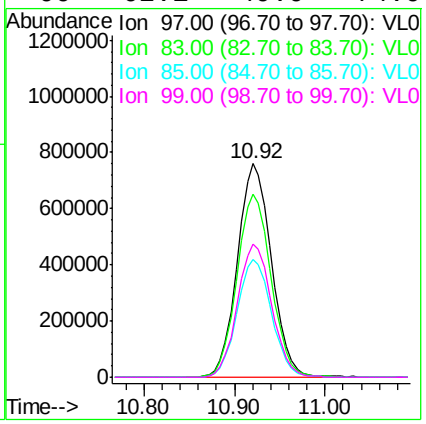


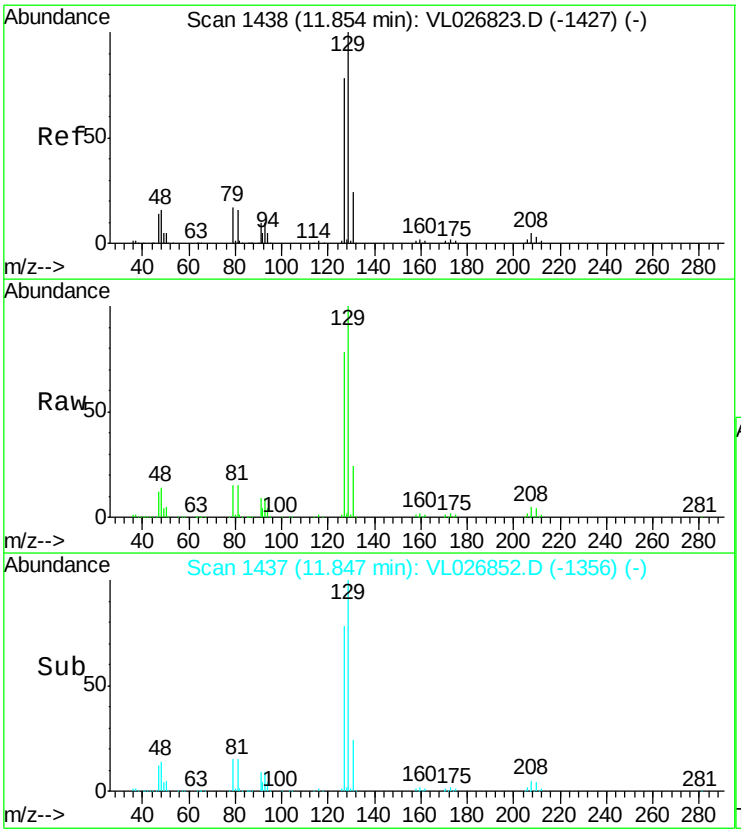
#47
1,1,2-Trichloroethane
Concen: 11.79 ppbv
RT: 10.92 min Scan# 1285
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion: 97 Resp: 1974584

Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.7	104.5
85	55.2	45.3	67.9
99	62.1	49.9	74.9

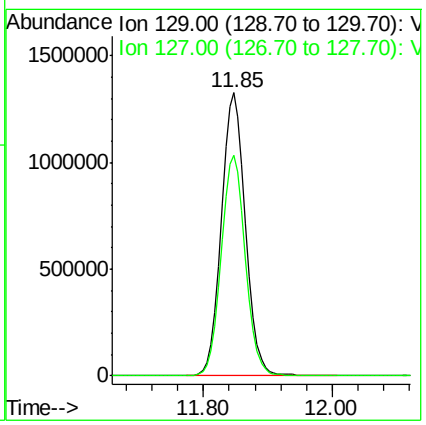


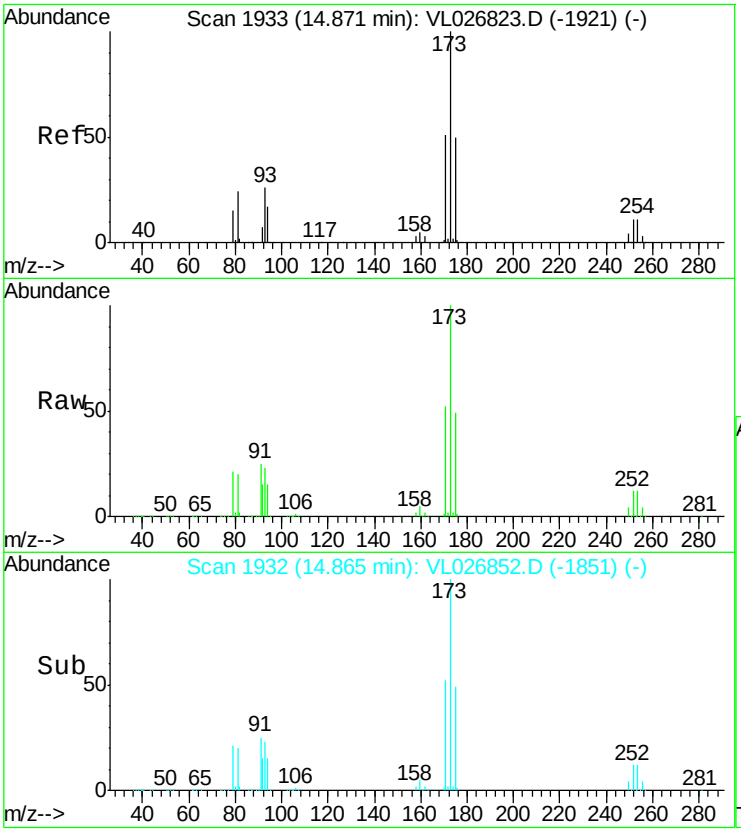


#48
Dibromochloromethane
Concen: 12.77 ppbv
RT: 11.85 min Scan# 1437
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:129 Resp: 3493510

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.6	119.0#



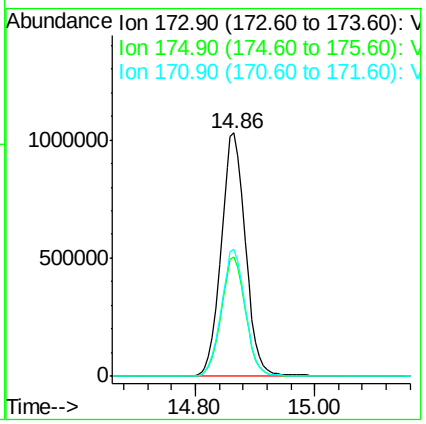


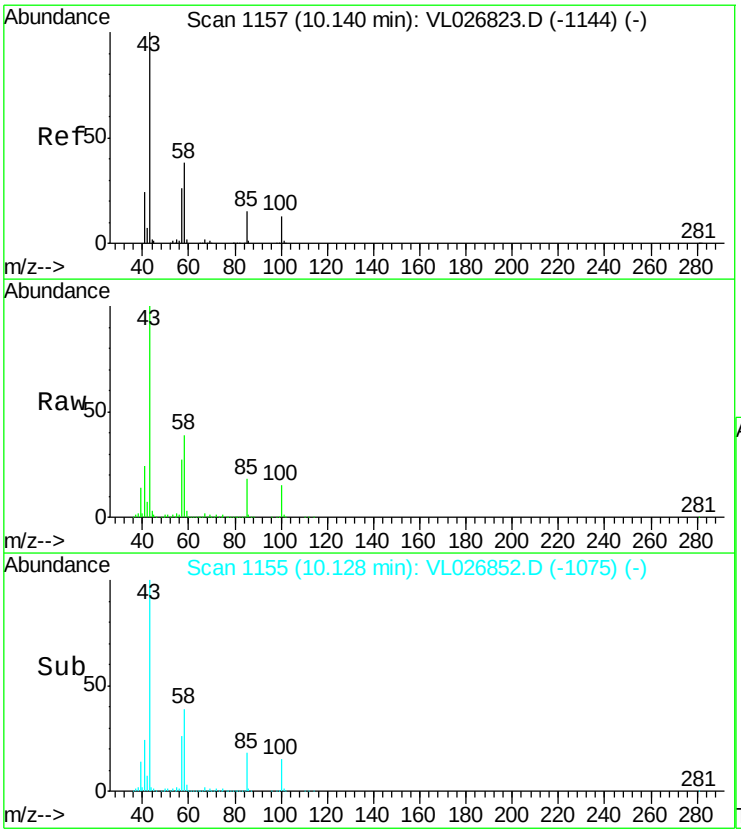
#49
Bromoform
Concen: 14.21 ppbv
RT: 14.86 min Scan# 1932
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion:173 Resp: 2929070

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.2	58.8
171	51.7	41.4	62.0

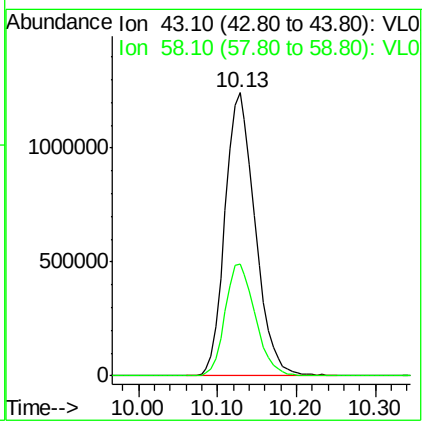


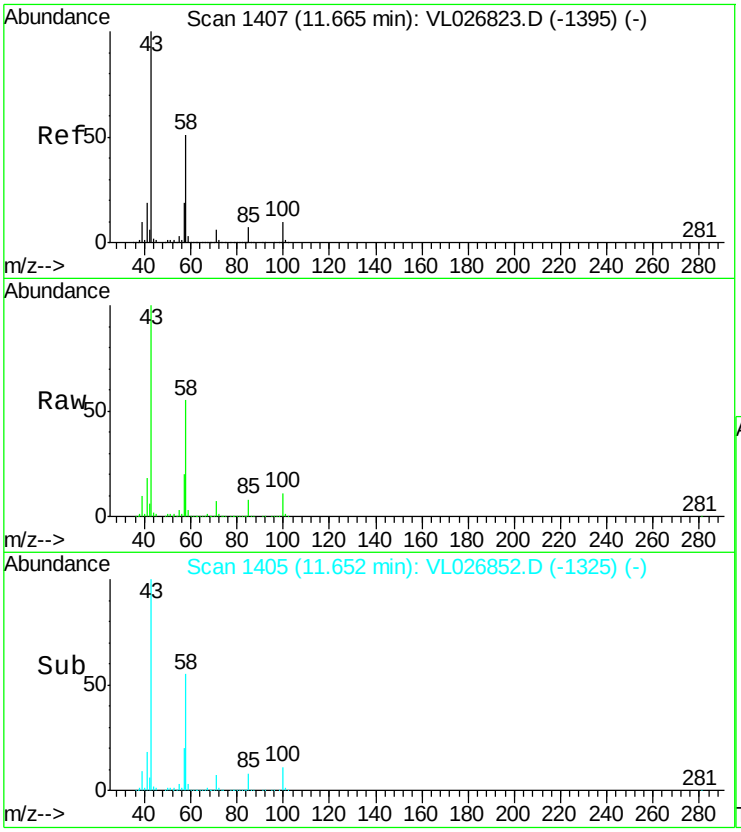


#50
4-Methyl-2-Pentanone
Concen: 11.29 ppbv
RT: 10.13 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 43 Resp: 3291612

Ion	Ratio	Lower	Upper
43	100		
58	40.0	30.3	45.5



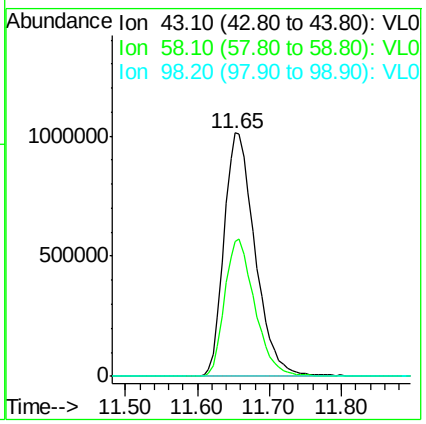


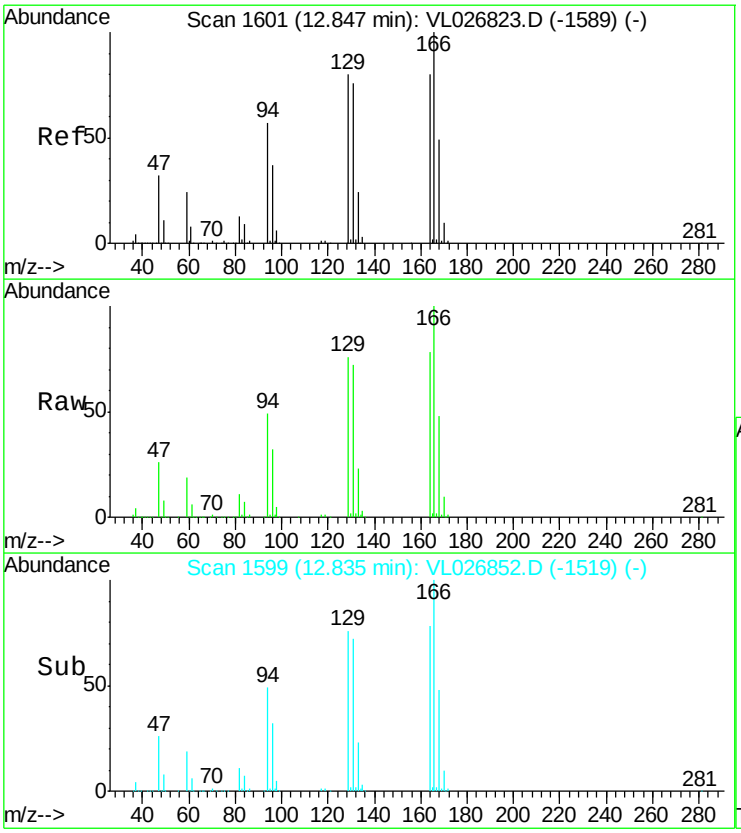
#51
2-Hexanone
Concen: 12.44 ppbv
RT: 11.65 min Scan# 1405
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 43 Resp: 3041126

Ion	Ratio	Lower	Upper
43	100		
58	55.1	40.4	60.6
98	0.3	0.2	0.4

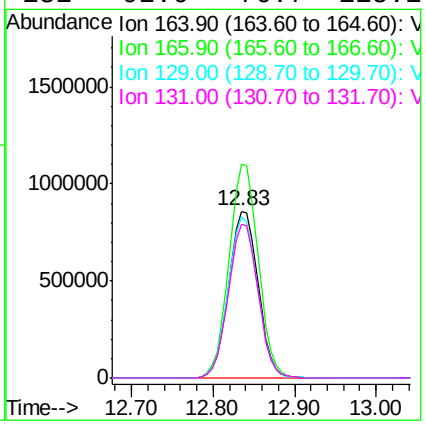


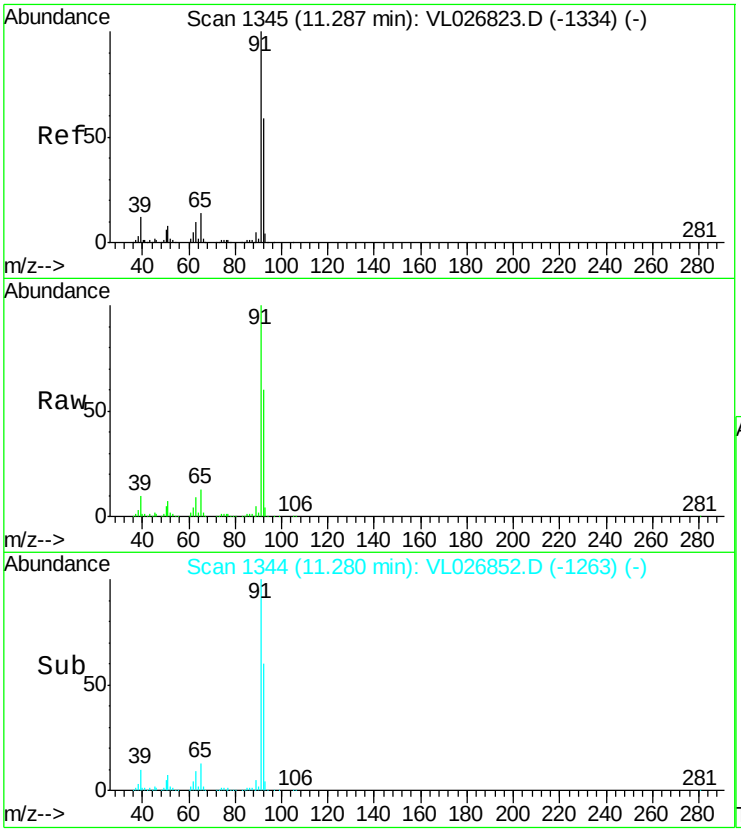


#52
Tetrachloroethene
Concen: 13.57 ppbv
RT: 12.83 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:164 Resp: 2137559

Ion	Ratio	Lower	Upper
164	100		
166	128.2	100.3	150.5
129	97.0	80.0	120.0
131	92.6	76.7	115.1



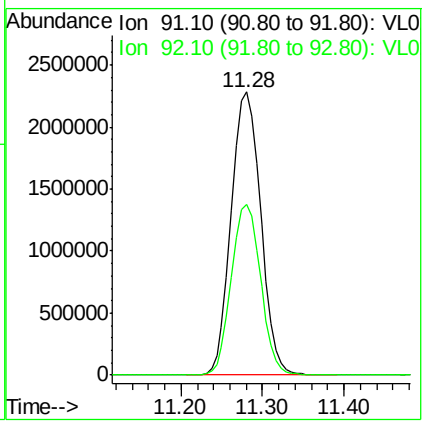


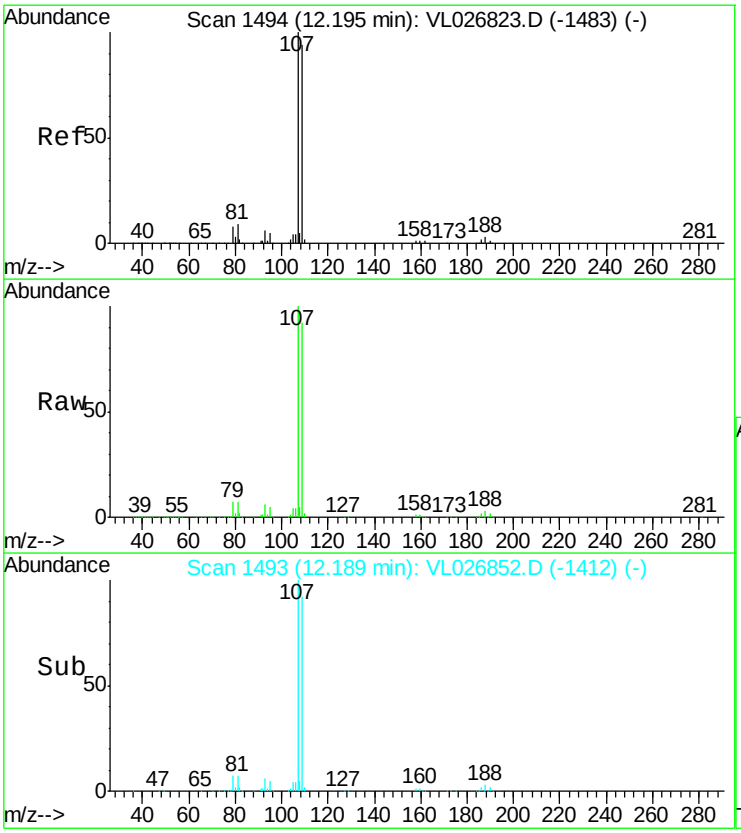
#53
Toluene
Concen: 12.74 ppbv
RT: 11.28 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion: 91 Resp: 5739050

Ion	Ratio	Lower	Upper
91	100		
92	59.9	47.3	70.9

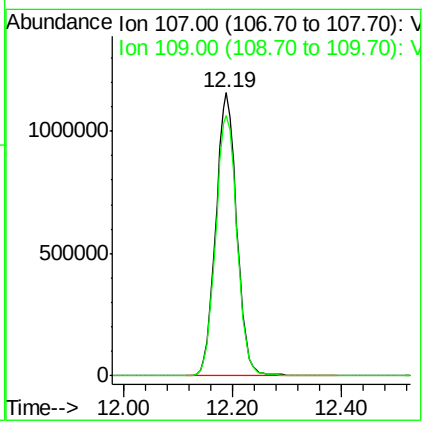


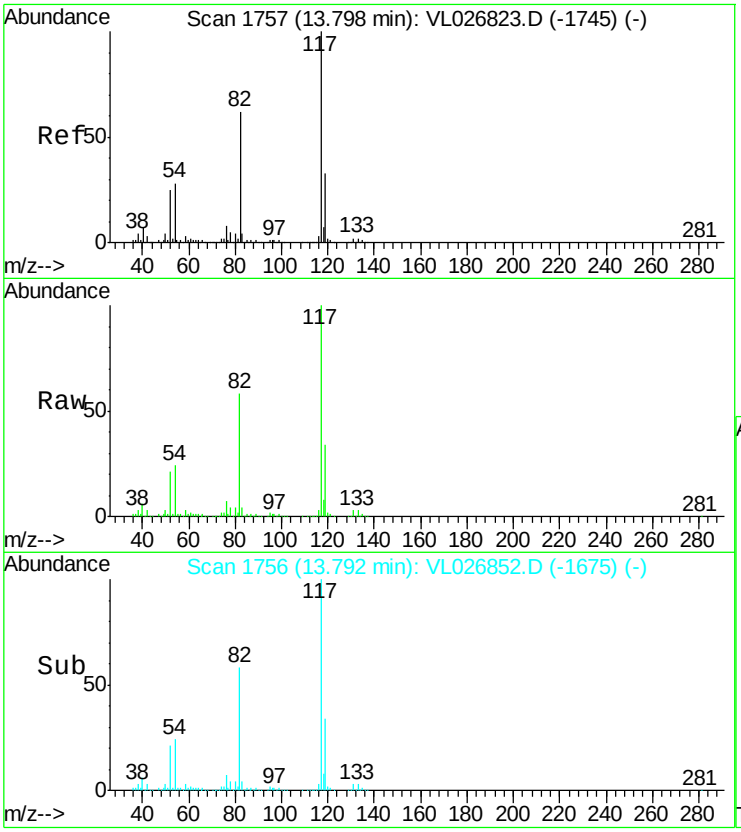


#54
1,2-Dibromoethane
Concen: 12.40 ppbv
RT: 12.19 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:107 Resp: 3090165

Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.0	112.4



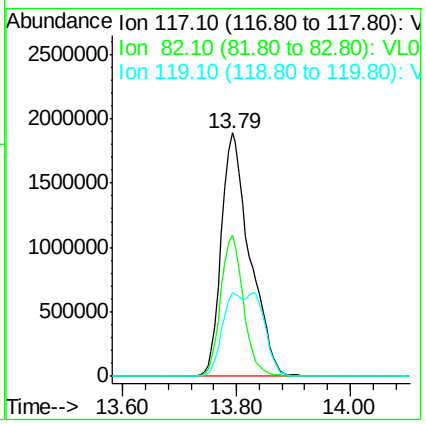


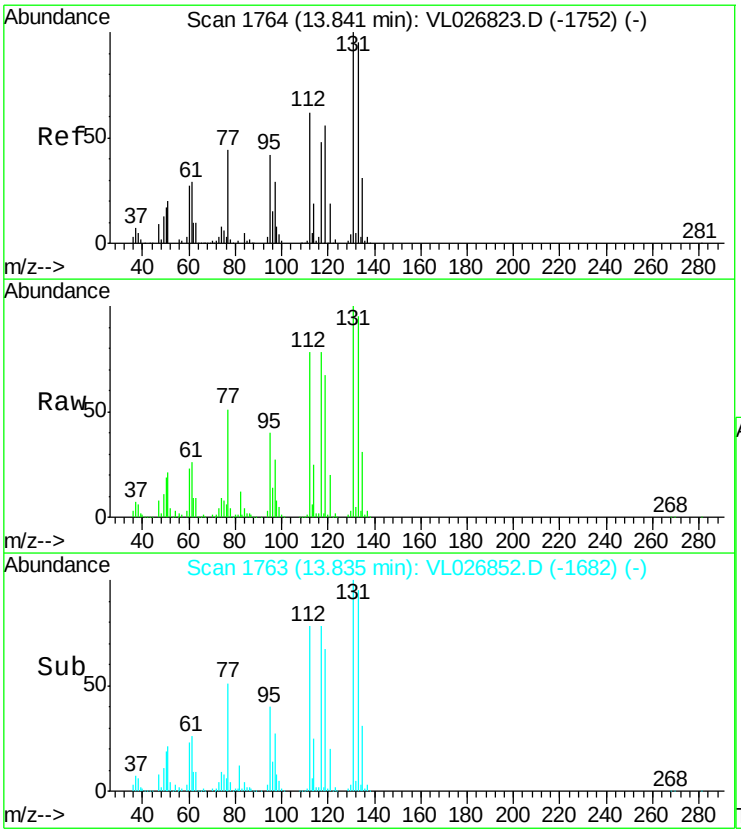
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion:117 Resp: 6610819

Ion	Ratio	Lower	Upper
117	100		
82	46.6	51.9	77.9#
119	48.6	48.5	72.7

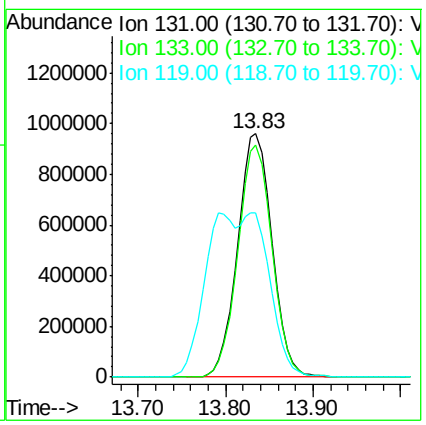


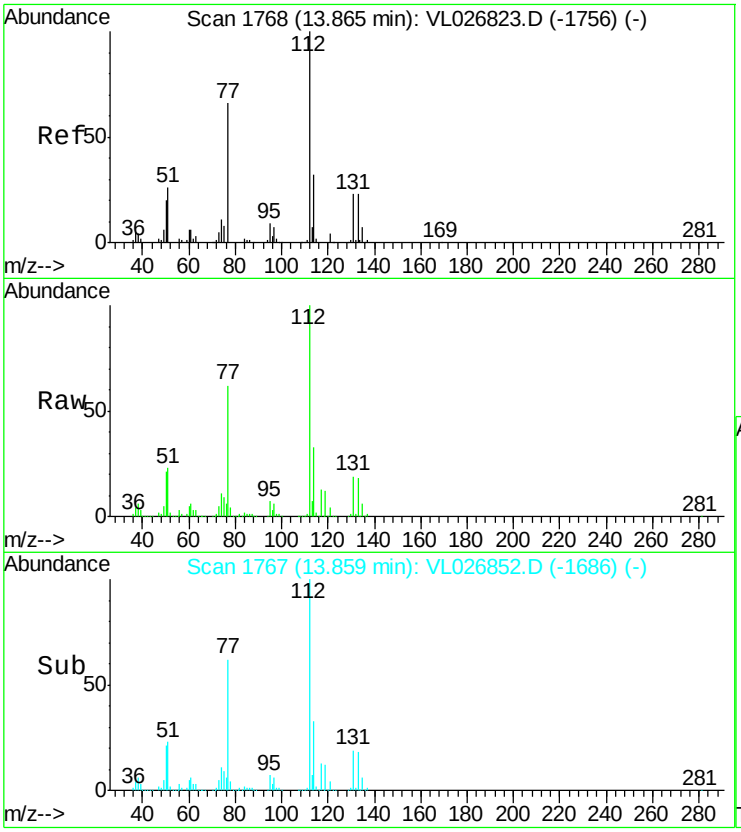


#56
1,1,1,2-Tetrachloroethane
Concen: 9.02 ppbv
RT: 13.83 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:131 Resp: 2629405

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.4	114.6
119	122.1	99.8	149.8



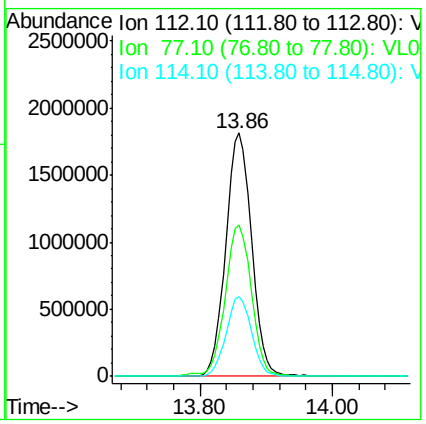


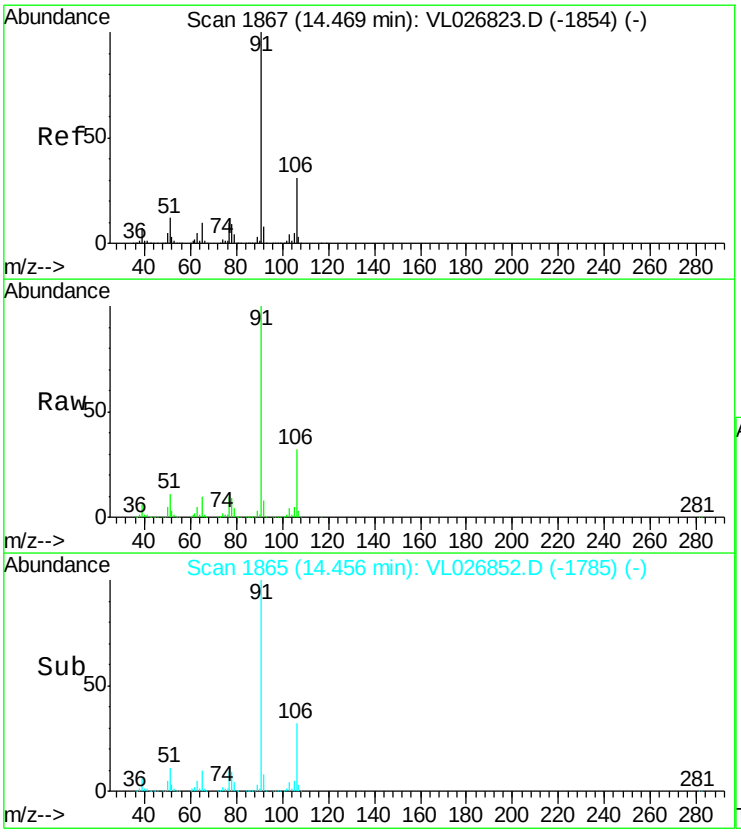
#57
Chlorobenzene
Concen: 9.00 ppbv
RT: 13.86 min Scan# 1767
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion:112 Resp: 4924211

Ion	Ratio	Lower	Upper
112	100		
77	62.3	53.3	79.9
114	32.9	28.9	35.3

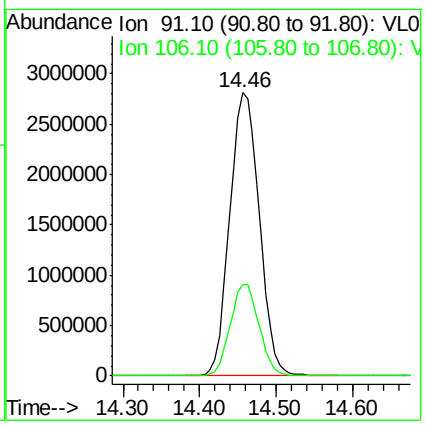


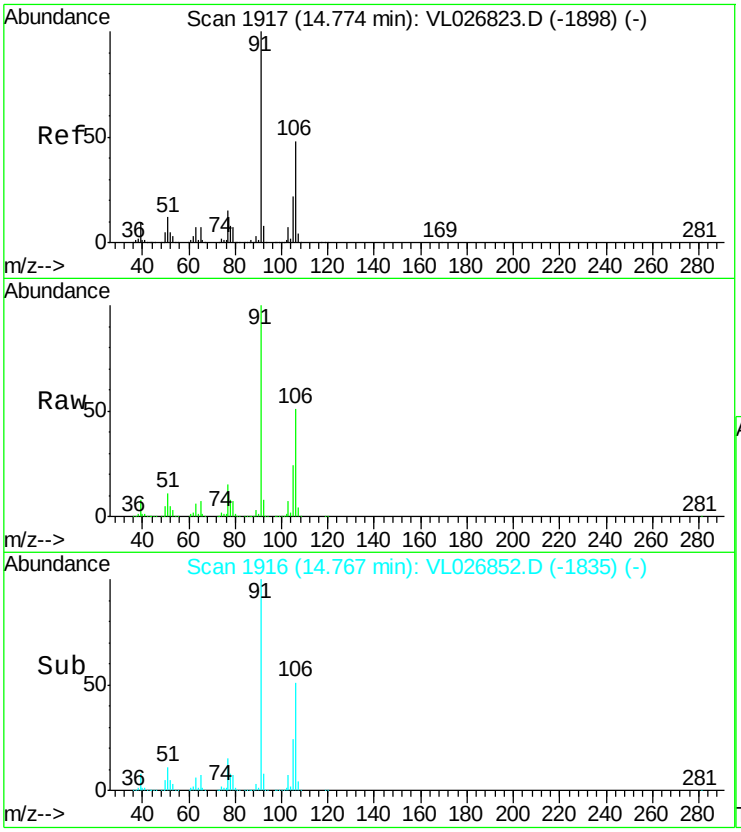


#58
Ethyl Benzene
Concen: 9.49 ppbv
RT: 14.46 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 91 Resp: 7552655

Ion	Ratio	Lower	Upper
91	100		
106	32.3	24.9	37.3



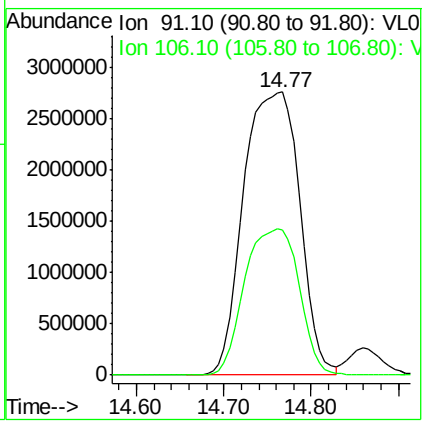


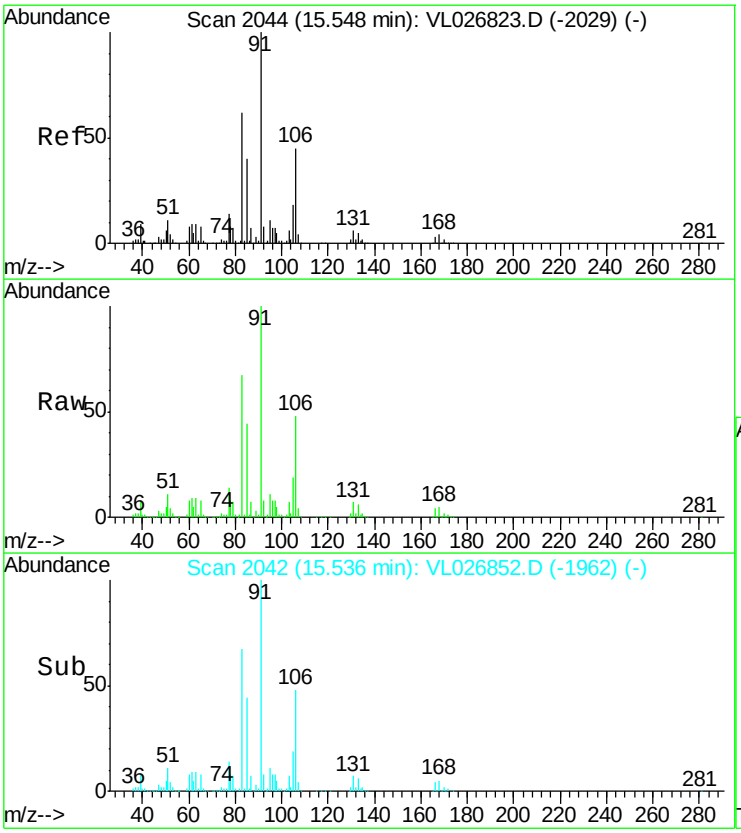
#59
m/p-Xylene
Concen: 18.07 ppbv
RT: 14.77 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion: 91 Resp:12287680

Ion	Ratio	Lower	Upper
91	100		
106	50.5	38.2	57.2

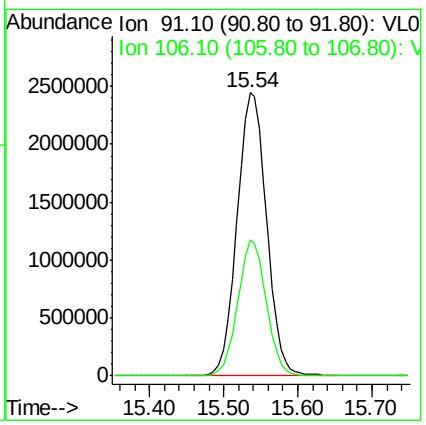


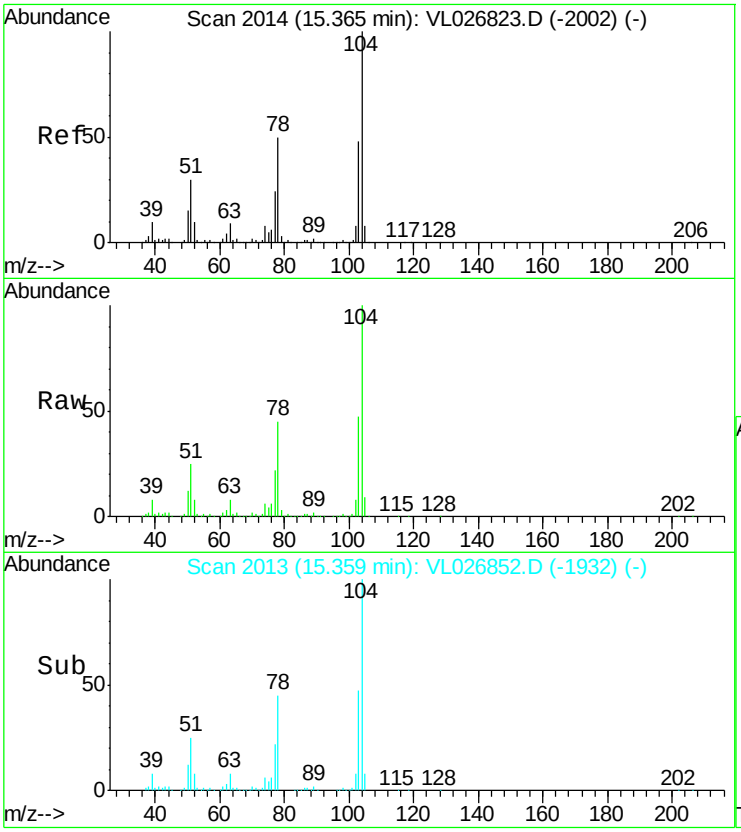


#60
o-Xylene
Concen: 9.12 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 91 Resp: 6787156

Ion	Ratio	Lower	Upper
91	100		
106	46.5	22.3	66.8



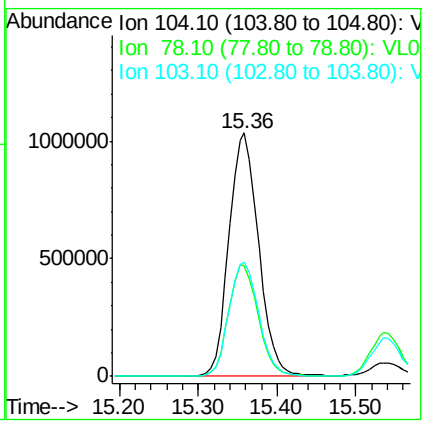


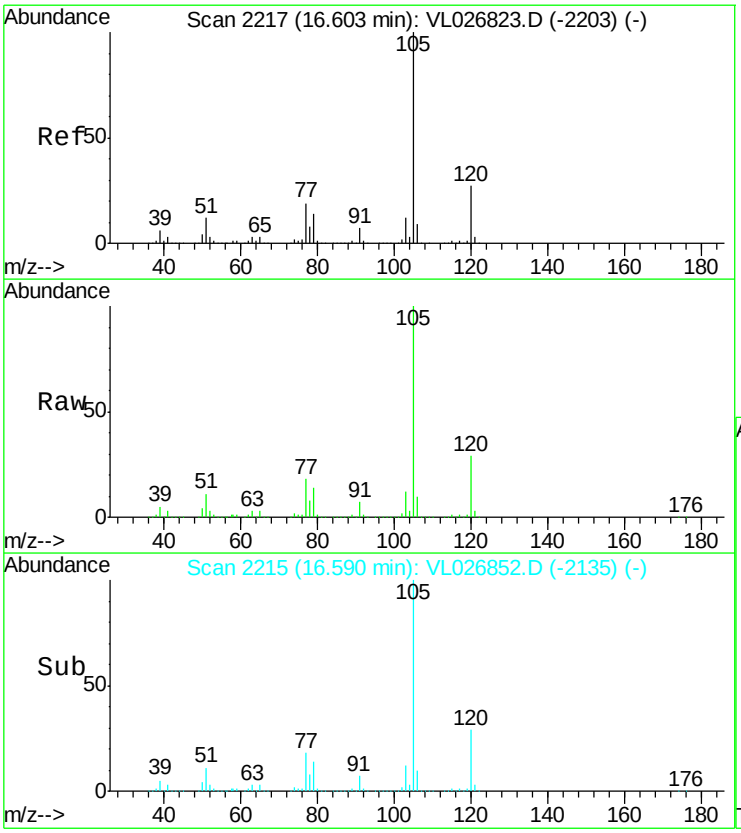
#61
Styrene
Concen: 10.75 ppbv
RT: 15.36 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion:104 Resp: 2708348

Ion	Ratio	Lower	Upper
104	100		
78	45.9	39.8	59.6
103	47.4	38.2	57.4

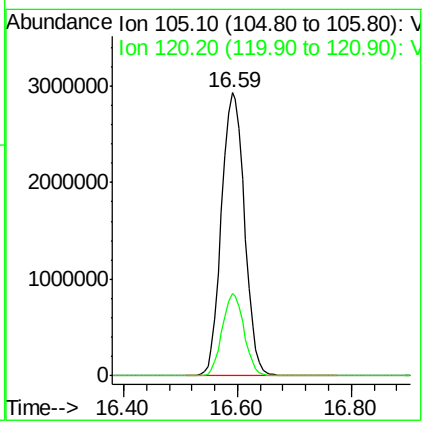


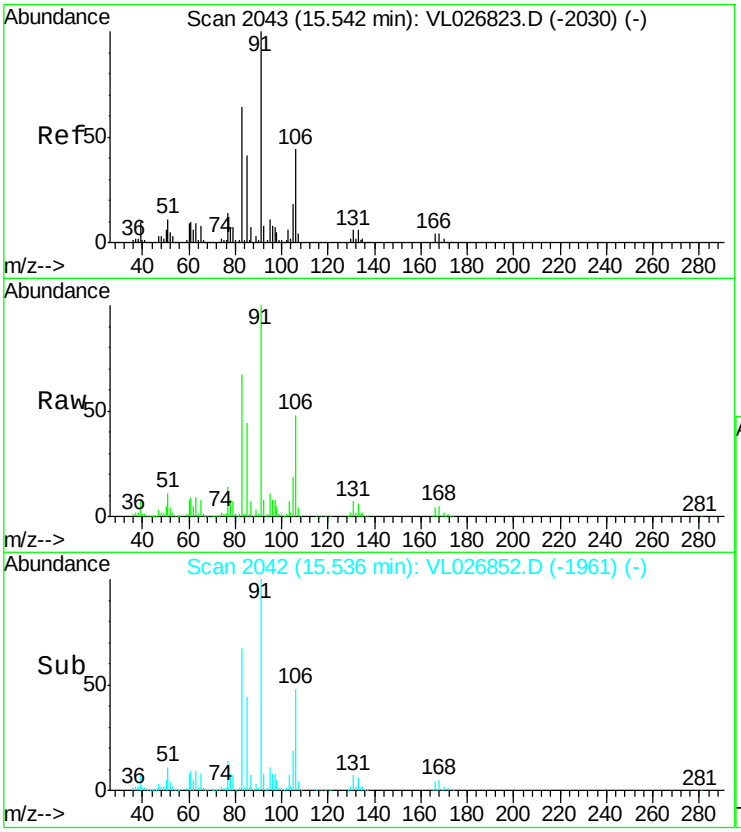


#62
Isopropylbenzene
Concen: 9.25 ppbv
RT: 16.59 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:105 Resp: 8264151

Ion	Ratio	Lower	Upper
105	100		
120	27.6	21.0	31.4



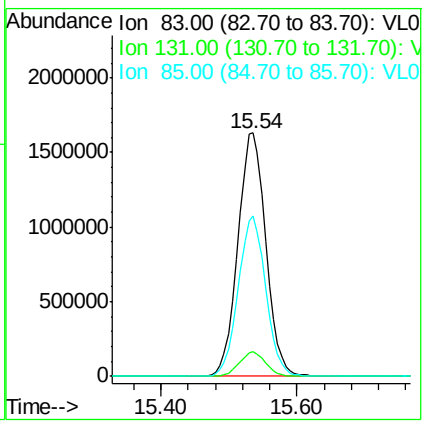


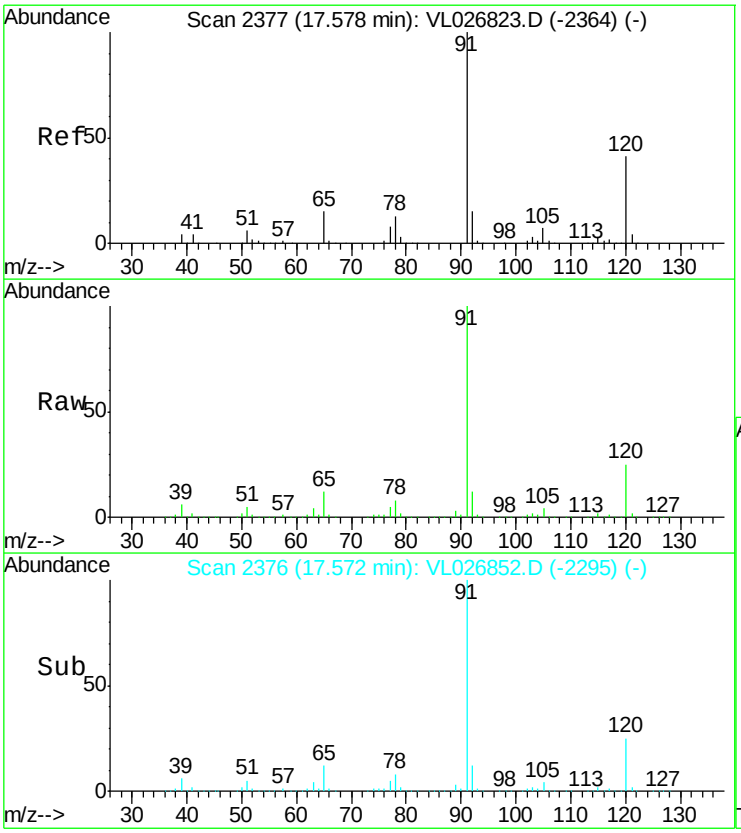
#63
1,1,2,2-Tetrachloroethane
Concen: 9.16 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion: 83 Resp: 4650736

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	65.1	32.3	96.9

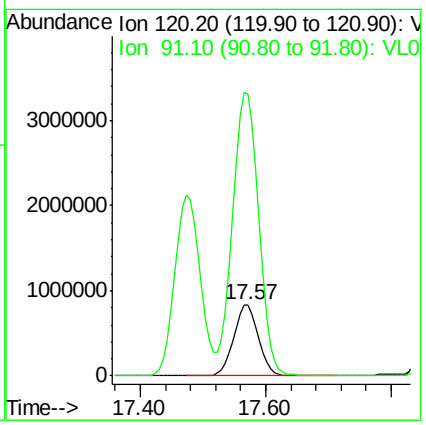


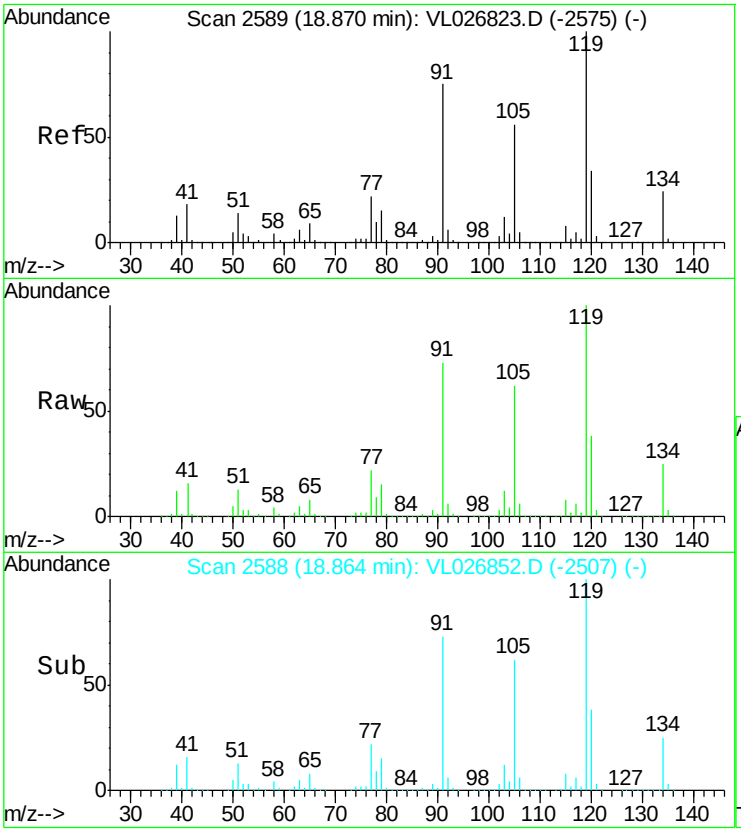


#64
n-propylbenzene
Concen: 9.83 ppbv
RT: 17.57 min Scan# 2376
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:120 Resp: 2257330

Ion	Ratio	Lower	Upper
120	100		
91	433.6	363.0	544.6



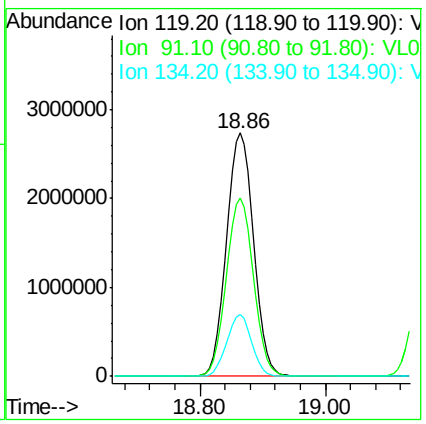


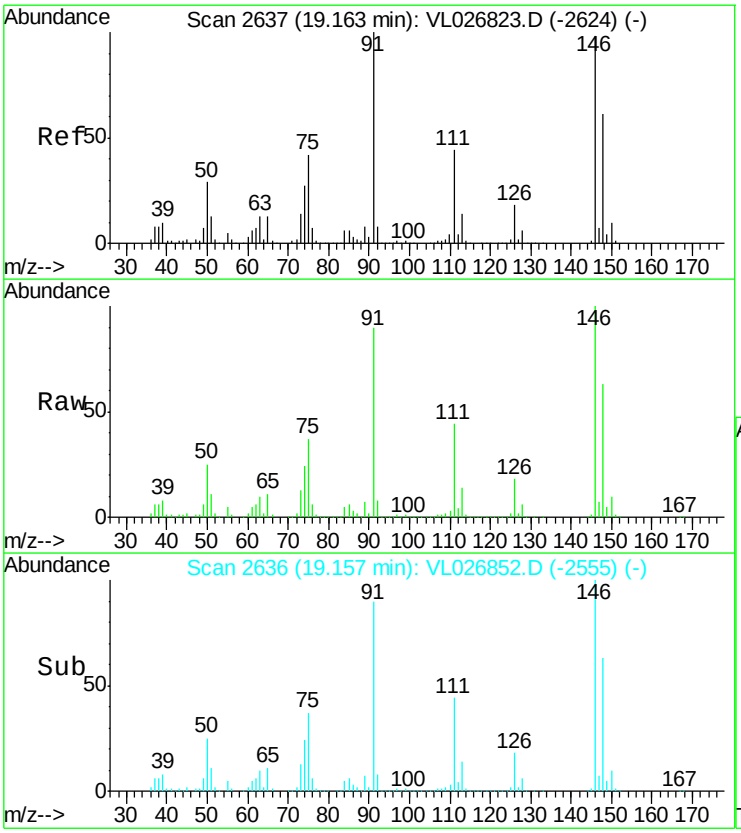
#65
tert-Butylbenzene
Concen: 9.98 ppbv
RT: 18.86 min Scan# 2588
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion:119 Resp: 8210177

Ion	Ratio	Lower	Upper
119	100		
91	73.2	61.5	92.3
134	23.4	17.9	26.9

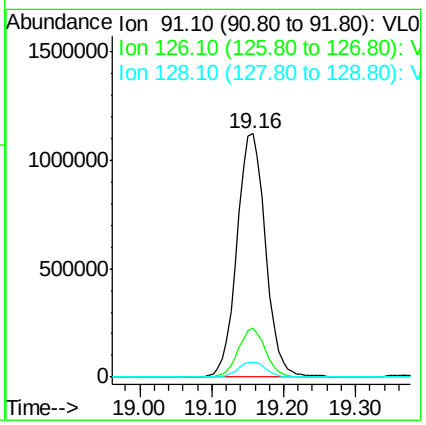


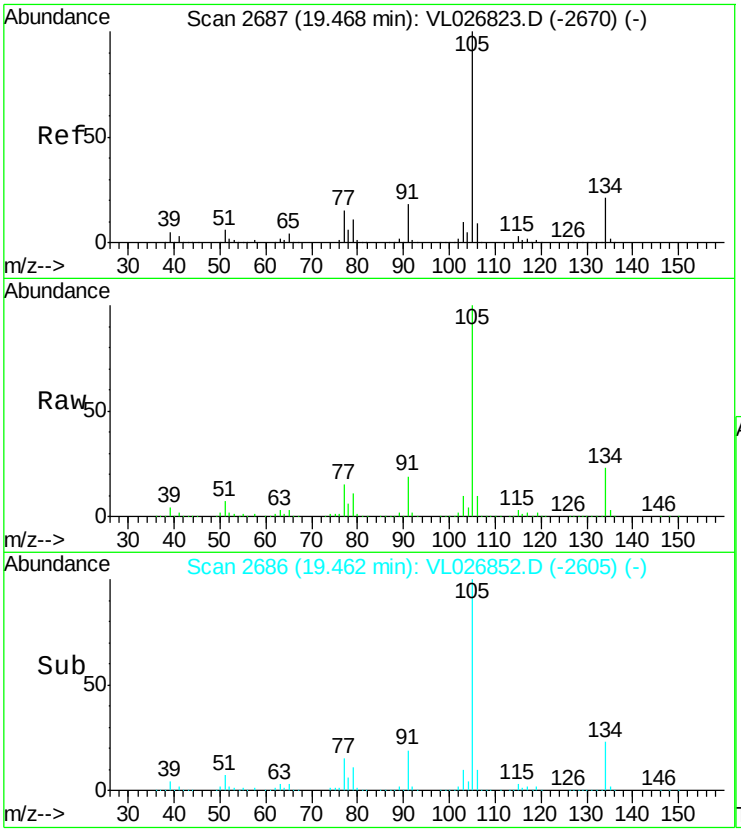


#66
Benzyl Chloride
Concen: 11.55 ppbv
RT: 19.16 min Scan# 2636
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 91 Resp: 3083931

Ion	Ratio	Lower	Upper
91	100		
126	19.2	14.6	21.8
128	6.1	4.6	6.8



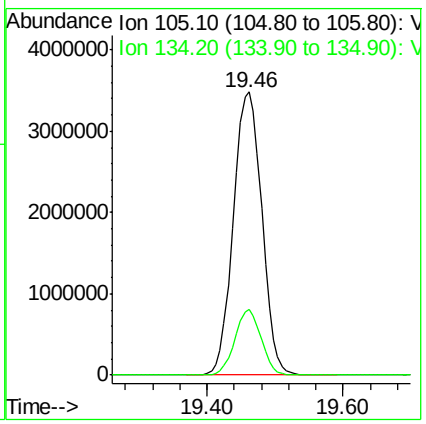


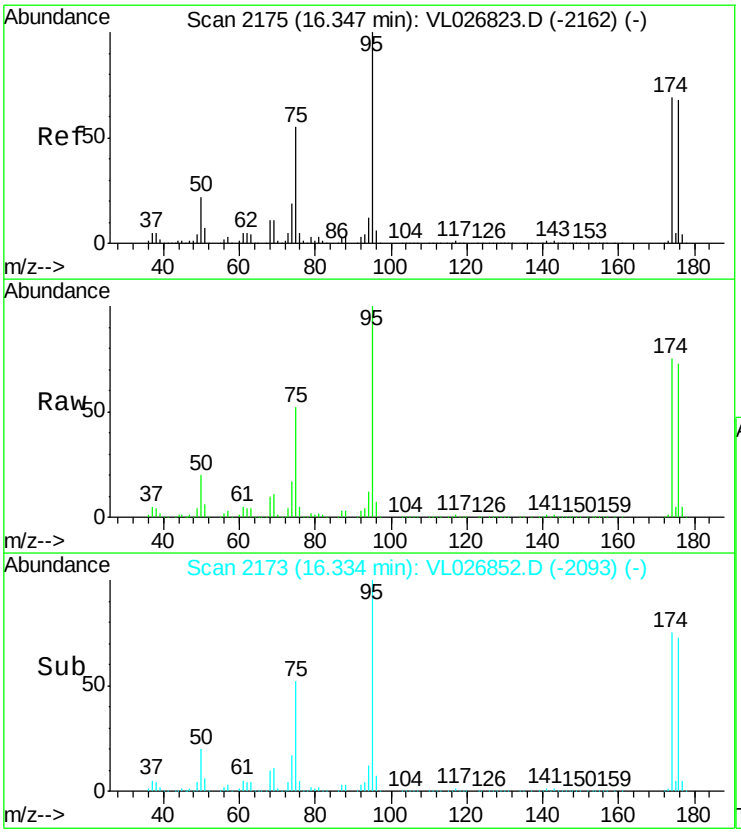
#67
sec-Butylbenzene
Concen: 9.46 ppbv
RT: 19.46 min Scan# 2686
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion:105 Resp:10134008

Ion	Ratio	Lower	Upper
105	100		
134	21.5	16.1	24.1

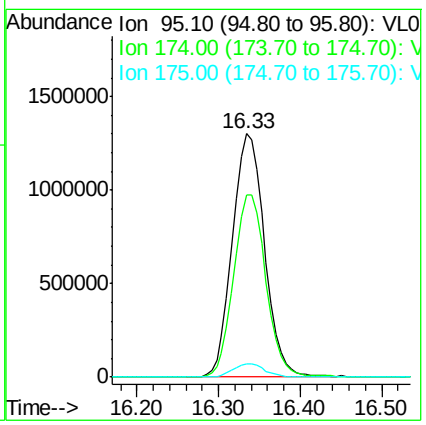


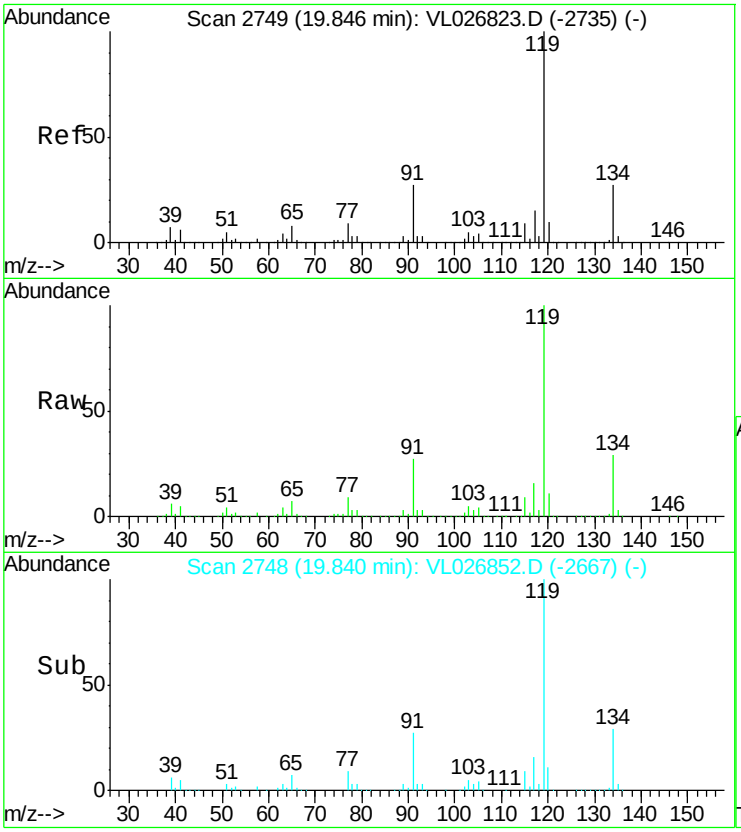


#68
1-Bromo-4-Fluorobenzene
Concen: 7.51 ppbv
RT: 16.33 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 95 Resp: 3564728

Ion	Ratio	Lower	Upper
95	100		
174	75.5	55.6	83.4
175	5.3	3.9	5.9



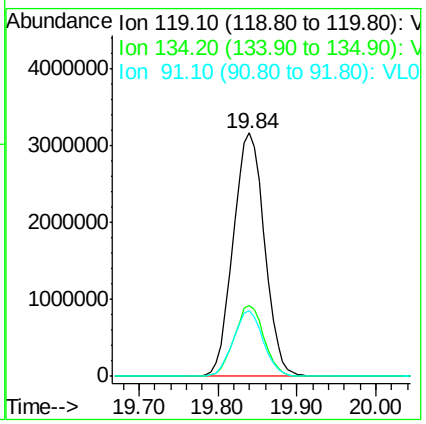


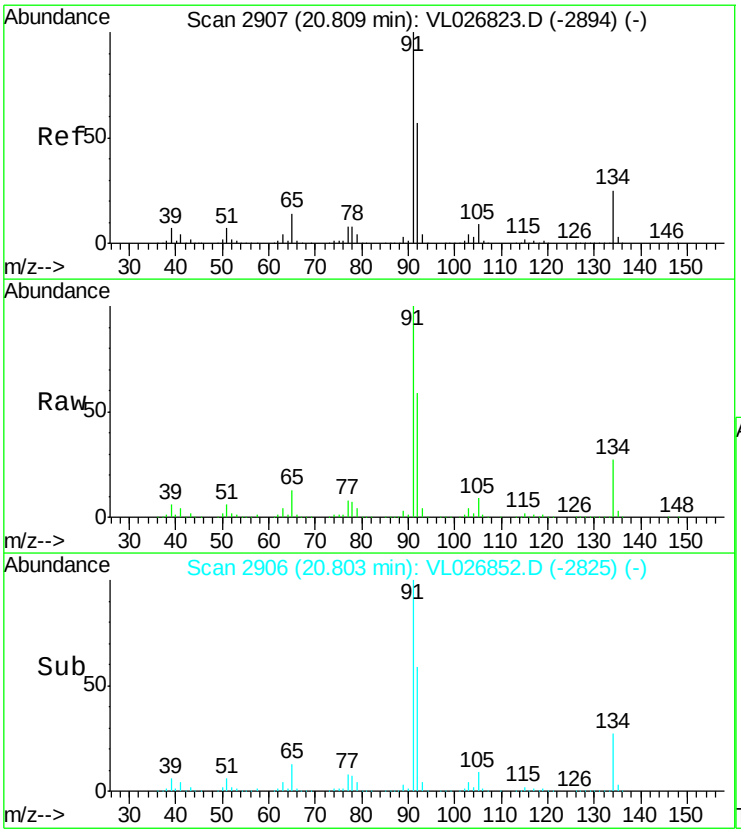
#69
p-Isopropyltoluene
Concen: 10.06 ppbv
RT: 19.84 min Scan# 2748
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion:119 Resp: 8732940

Ion	Ratio	Lower	Upper
119	100		
134	27.9	21.3	31.9
91	25.8	21.5	32.3

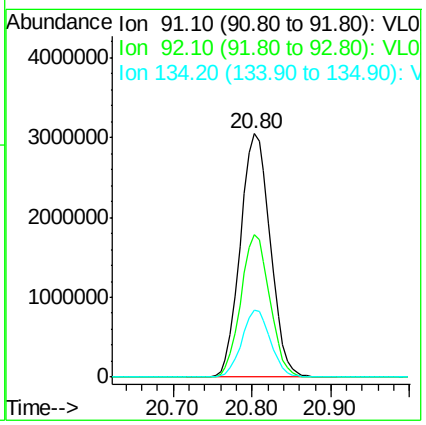


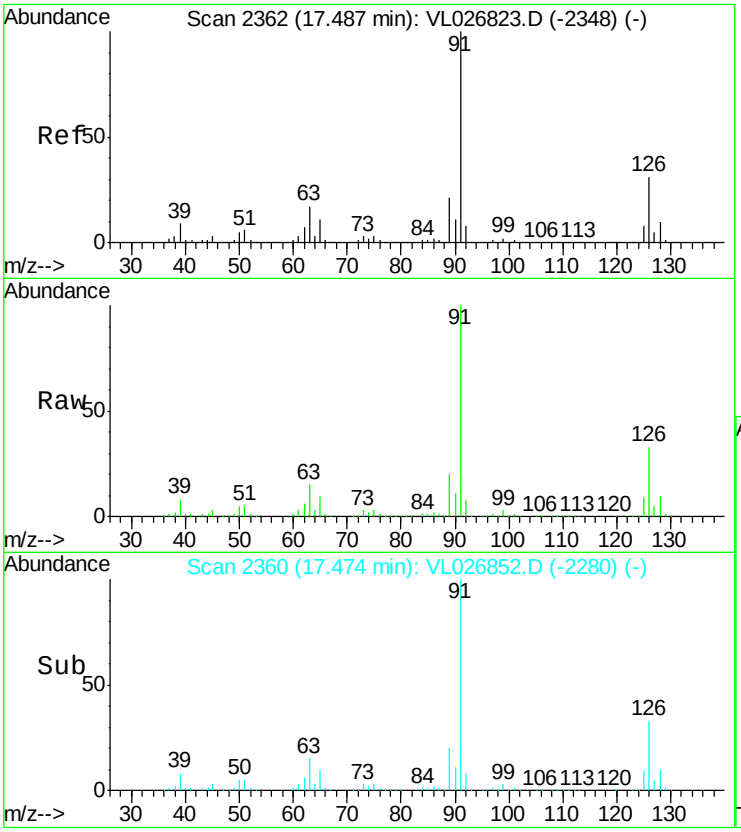


#70
n-Butylbenzene
Concen: 9.74 ppbv
RT: 20.80 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion: 91 Resp: 8062179

Ion	Ratio	Lower	Upper
91	100		
92	56.7	44.2	66.4
134	26.2	19.3	28.9



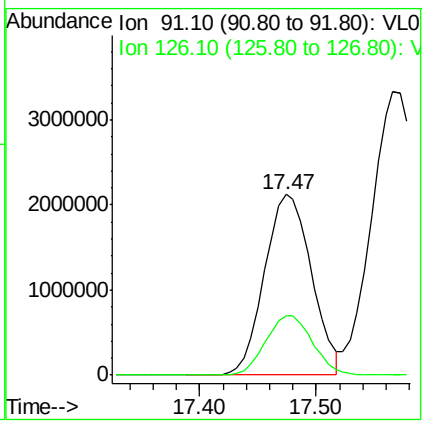


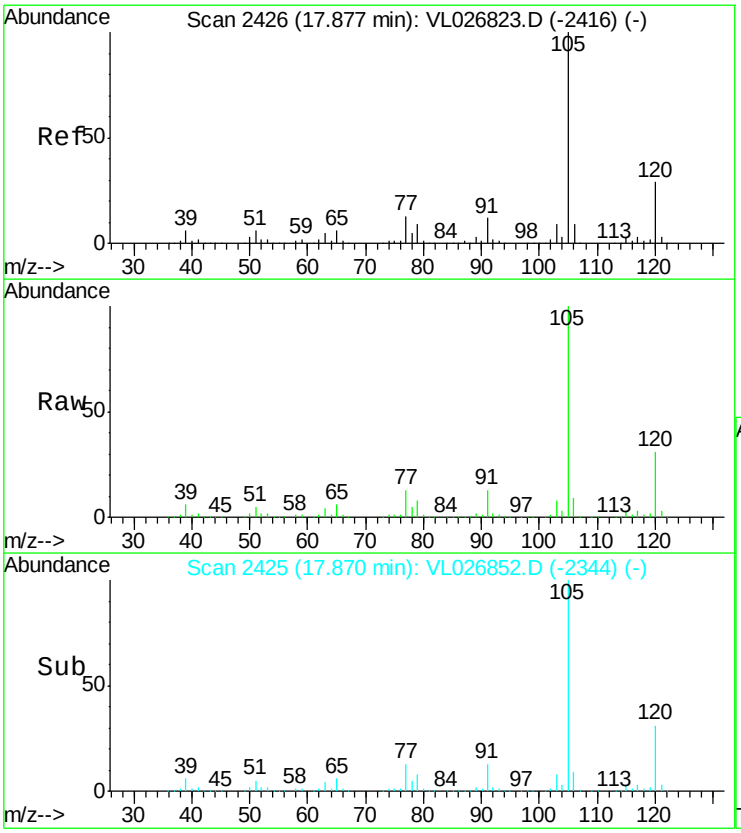
#71
2-Chlorotoluene
Concen: 9.73 ppbv
RT: 17.47 min Scan# 2360
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion: 91 Resp: 5934548

Ion	Ratio	Lower	Upper
91	100		
126	33.2	12.2	48.8

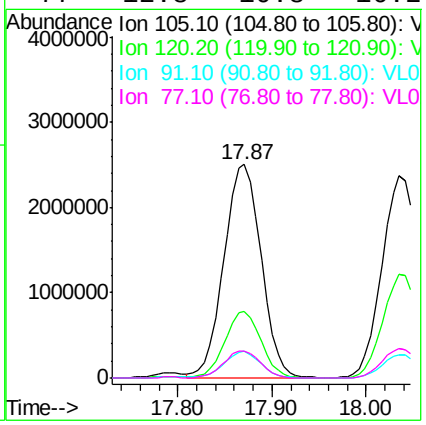


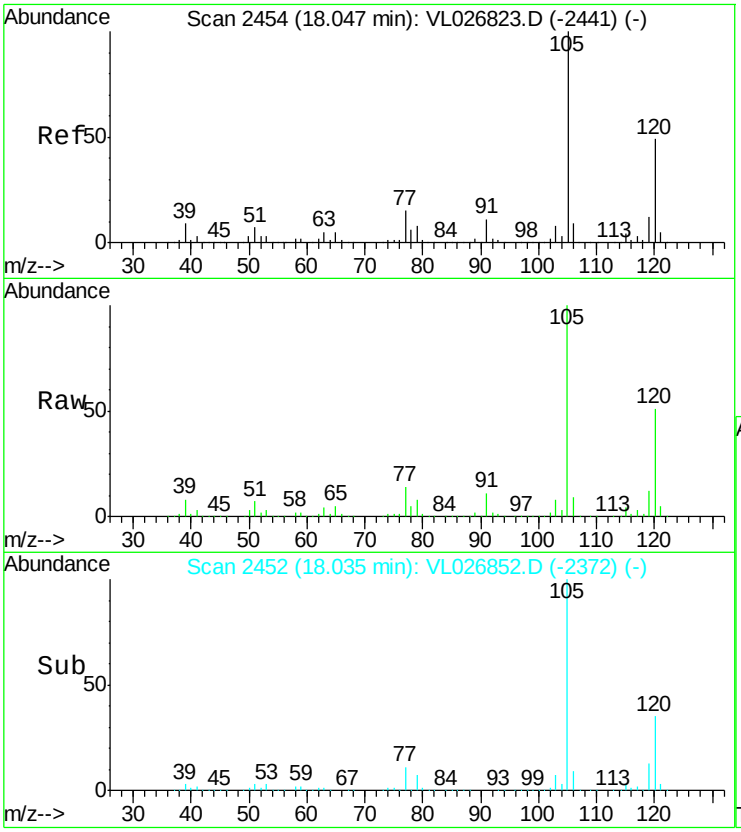


#72
4-Ethyltoluene
Concen: 10.08 ppbv
RT: 17.87 min Scan# 2425
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:105 Resp: 6906603

Ion	Ratio	Lower	Upper
105	100		
120	30.9	23.8	35.6
91	12.2	10.2	15.4
77	12.8	10.8	16.2



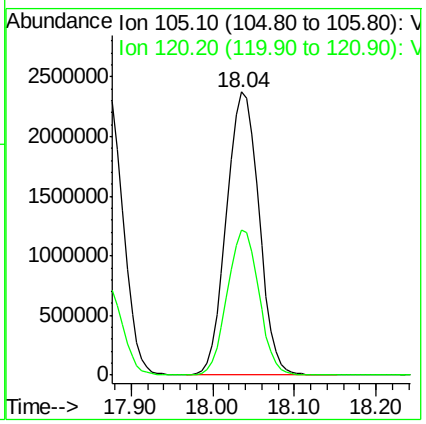


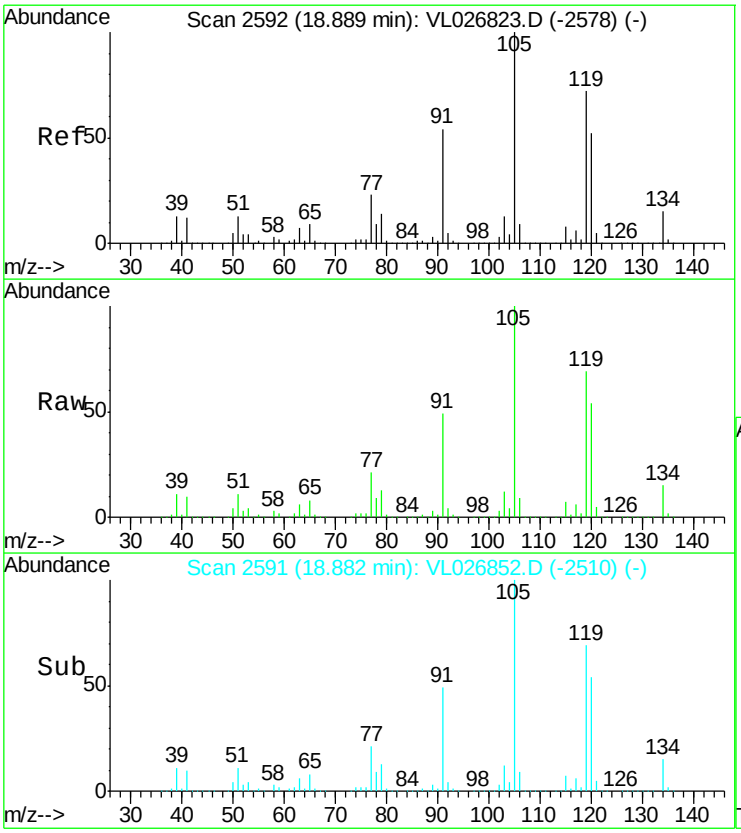
#73
1,3,5-Trimethylbenzene
Concen: 9.80 ppbv
RT: 18.04 min Scan# 2452
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument : MSVOA_L
ClientSampleId : VSTDCCV010EC

Tgt Ion:105 Resp: 6541616

Ion	Ratio	Lower	Upper
105	100		
120	51.1	39.4	59.0

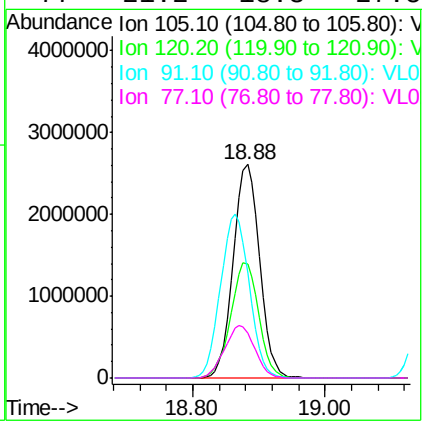


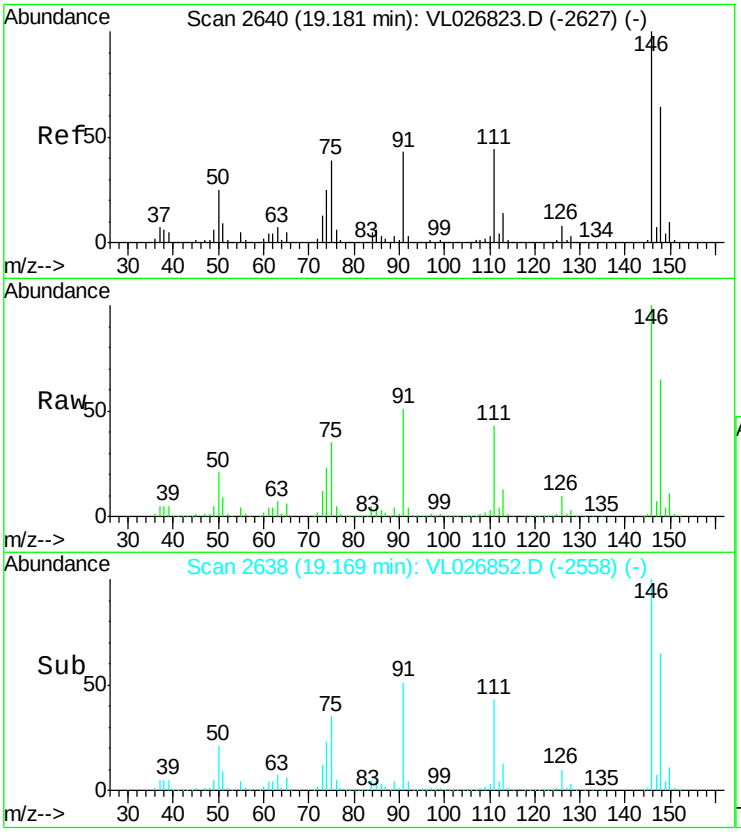


#74
1,2,4-Trimethylbenzene
Concen: 9.56 ppbv
RT: 18.88 min Scan# 2591
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:105 Resp: 7258327

Ion	Ratio	Lower	Upper
105	100		
120	53.5	41.3	61.9
91	49.3	43.3	64.9
77	21.2	18.3	27.5



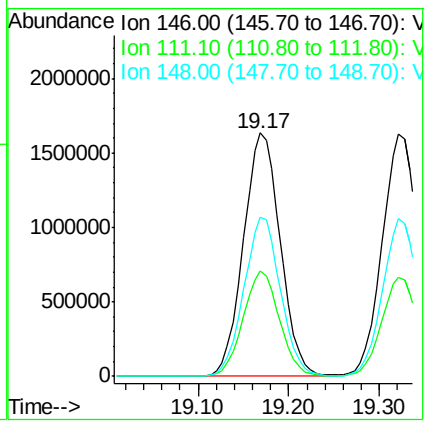


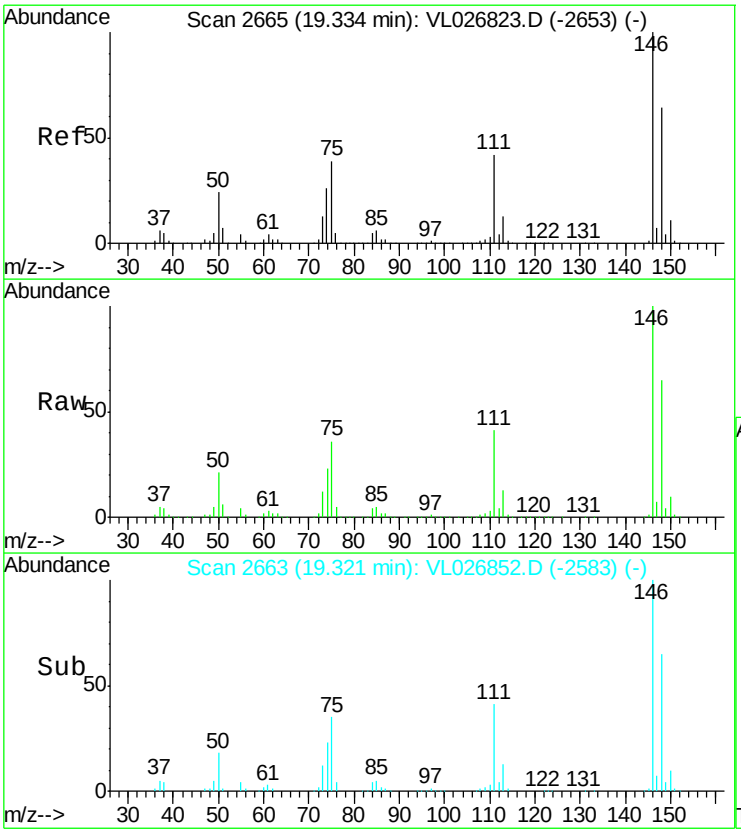
#75
1,3-Dichlorobenzene
Concen: 10.03 ppbv
RT: 19.17 min Scan# 2638
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion:146 Resp: 4612224

Ion	Ratio	Lower	Upper
146	100		
111	42.4	22.1	66.3
148	64.6	32.2	96.6

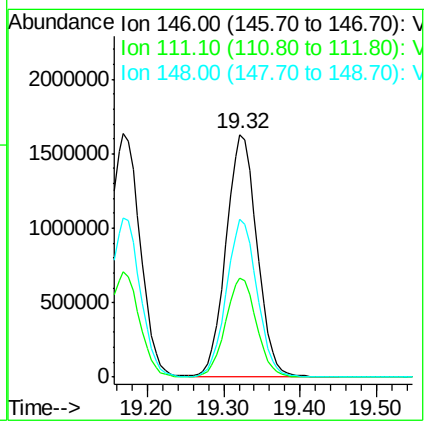


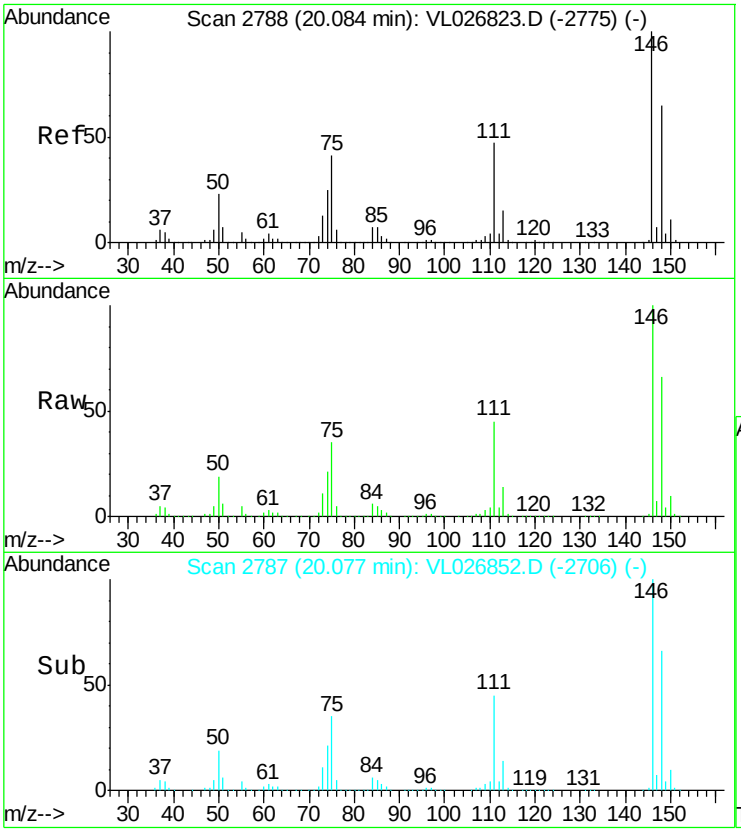


#76
1,4-Dichlorobenzene
Concen: 10.15 ppbv
RT: 19.32 min Scan# 2663
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:146 Resp: 4565435

Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.6	64.8
148	64.7	32.2	96.6



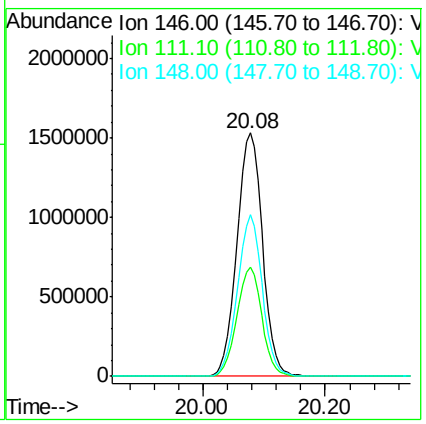


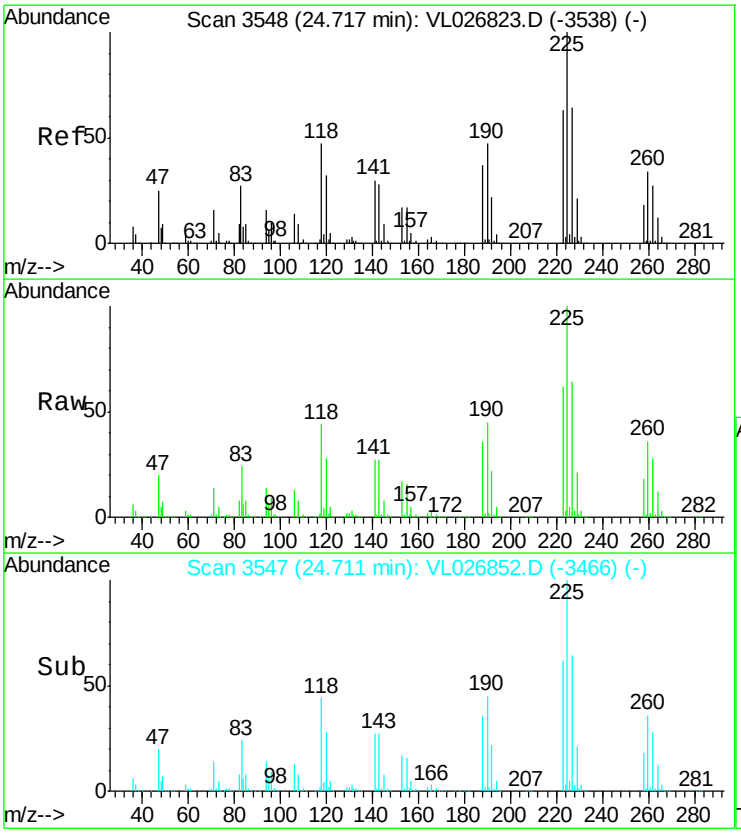
#77
1,2-Dichlorobenzene
Concen: 10.11 ppbv
RT: 20.08 min Scan# 2787
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion:146 Resp: 4421928

Ion	Ratio	Lower	Upper
146	100		
111	44.0	23.1	69.3
148	64.3	32.1	96.5

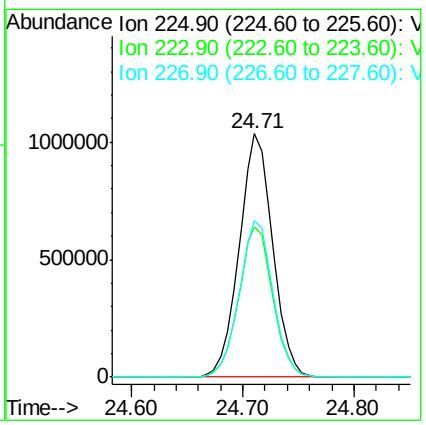


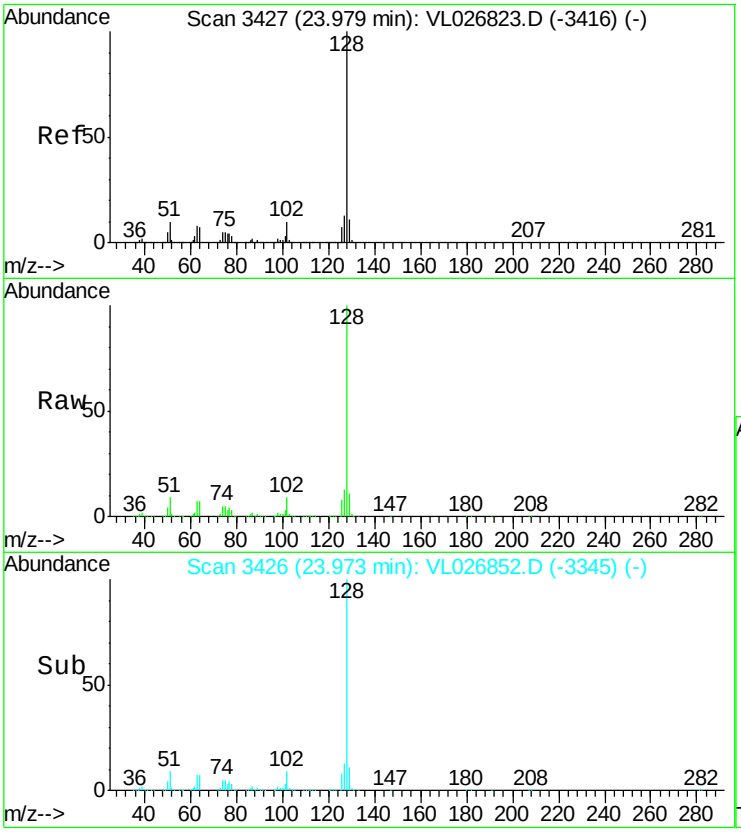


#78
Hexachloro-1,3-Butadiene
Concen: 10.42 ppbv
RT: 24.71 min Scan# 3547
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:225 Resp: 2164946

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.2	75.2
227	64.6	52.1	78.1



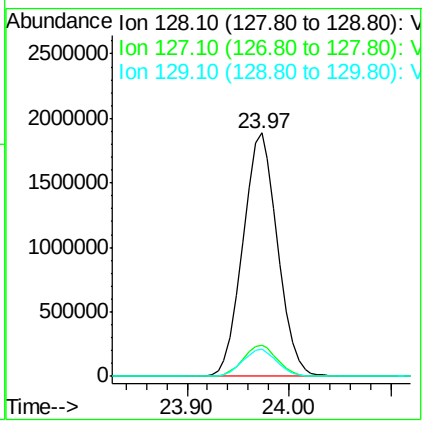


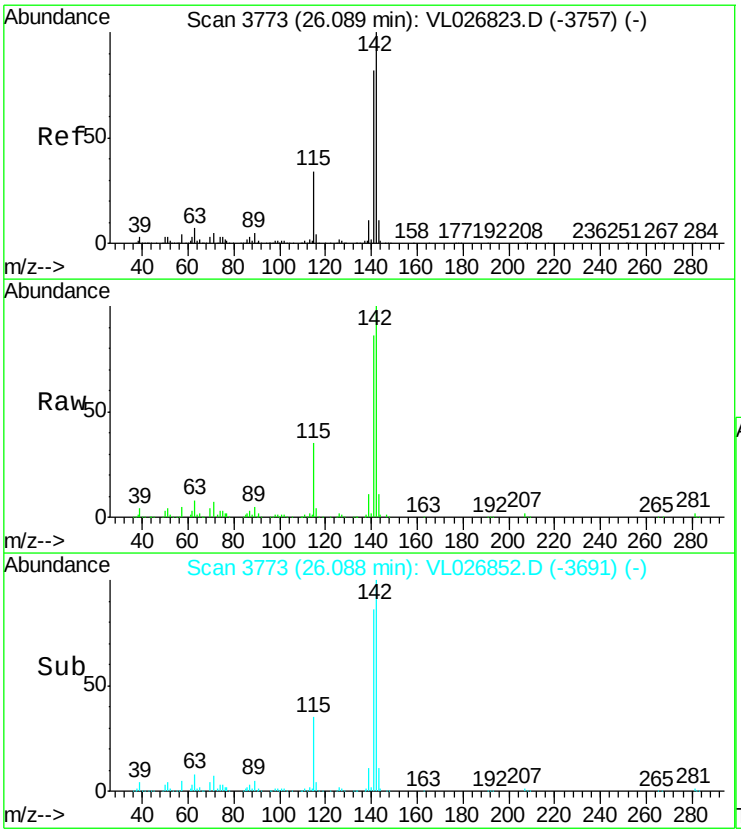
#79
Naphthalene
Concen: 12.22 ppbv
RT: 23.97 min Scan# 3426
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion:128 Resp: 4455660

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.0	15.0
129	11.2	8.7	13.1

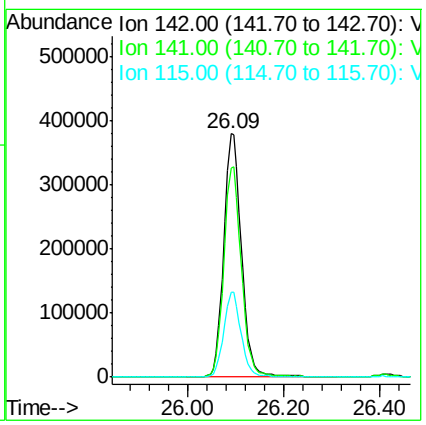


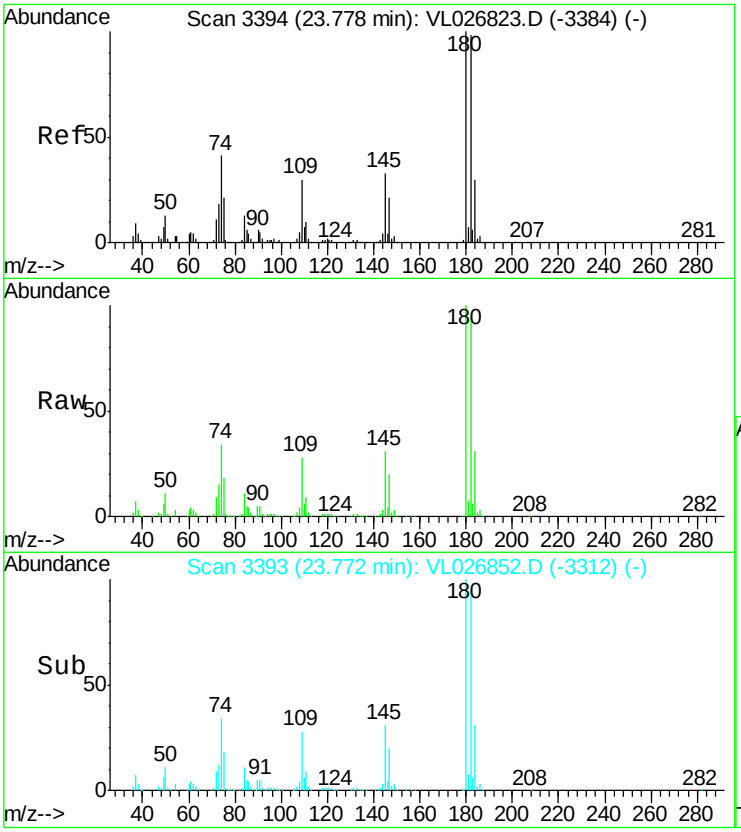


#80
Naphthalene,2-methyl-
Concen: 6.59 ppbv
RT: 26.09 min Scan# 3773
Delta R.T. -0.00 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Tgt Ion:142 Resp: 975671

Ion	Ratio	Lower	Upper
142	100		
141	86.1	67.2	100.8
115	34.5	27.5	41.3





#81
1,2,4-Trichlorobenzene
Concen: 11.47 ppbv
RT: 23.77 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL026852.D
Acq: 10 Feb 2016 14:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010EC

Tgt Ion:180 Resp: 2260919

Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.3	115.9
184	30.7	24.5	36.7