Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL102015\
Data File : VL026206.D
Acq On : 20 Oct 2015 9:29
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 20 12:23:40 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Oct 20 12:22:24 2015
QLast Update : Tue Oct 20 12:22:24 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	560942	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	1792345	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	2592067	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	1653304	8.31	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.62	85	1142782	10.87	ppbv	100
3) Chlorodifluoromethane	3.55	51	648896	9.90	ppbv	100
4) Chloromethane	3.73	50	363325	9.83	ppbv	100
5) Vinyl Chloride	3.87	62	393961	10.58	ppbv	100
6) Bromomethane	4.12	94	288758	10.77	ppbv	100
7) Chloroethane	4.22	64	171556	10.61	ppbv	100
8) Dichlorotetrafluoroethane	3.79	85	965690	10.52	ppbv	100
9) Propene	3.58	41	306228	10.18	ppbv	100
10) Heptane	9.33	43	1096376	10.49	ppbv	100
11) Trichlorofluoromethane	4.67	101	1124973	10.90	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.28	101	780770	11.17	ppbv	100
13) Ethanol	4.31	45	49016	11.08	ppbv	100
14) Bromoethene	4.43	108	330975	11.49	ppbv	100
15) Acetone	4.58	43	730874	10.08	ppbv	100
16) 1,3-Butadiene	3.95	39	353669	10.55	ppbv	100
17) tert-Butyl alcohol	5.10	59	621213	14.22	ppbv	100
18) 1,1-Dichloroethene	5.06	96	367139	11.60	ppbv	100
19) Isopropyl Alcohol	4.73	45	360990	12.78	ppbv	100
20) Methylene Chloride	5.13	84	331191	10.73	ppbv	100
21) Allyl Chloride	5.20	41	560814	11.85	ppbv	100
22) trans-1,2-Dichloroethene	5.74	96	451607	11.14	ppbv	100
23) Vinyl Acetate	5.96	43	1600654	12.47	ppbv	100
24) 1,1-Dichloroethane	5.89	63	926191	10.59	ppbv	100
25) Ethyl Acetate	6.65	43	1490213	10.63	ppbv	100
26) Hexane	6.63	57	767980	11.31	ppbv	100
27) Carbon Disulfide	5.37	76	1036084	12.74	ppbv	100
28) Methyl tert-Butyl Ether	5.93	73	1372708	12.54	ppbv	100
29) Chloroform	6.73	83	1091435	10.84	ppbv	100
30) Cyclohexane	8.26	84	763775	11.81	ppbv	100
31) cis-1,2-Dichloroethene	6.49	61	686871	11.09	ppbv	100
32) 1,1,1-Trichloroethane	7.57	97	1181477	12.29	ppbv	100
34) 2-Butanone	6.18	43	926713	9.29	ppbv	100
35) Carbon Tetrachloride	8.13	117	1229167	10.82	ppbv	100
36) Benzene	7.99	78	1692404	9.87	ppbv	100
37) 1,2-Dichloroethane	7.35	62	883023	9.62	ppbv	100
38) Trichloroethene	9.04	130	701204	8.91	ppbv	100
39) 1,2-Dichloropropane	8.80	63	591733	9.29	ppbv	100
40) 1,4-Dioxane	9.09	88	149934	14.30	ppbv	100
41) Tetrahydrofuran	7.09	42	549833	9.79	ppbv	100
42) Bromodichloromethane	9.00	83	1275829	10.56	ppbv	100
43) Methyl Methacrylate	9.24	69	639815	10.60	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL102015\
Data File : VL026206.D
Acq On : 20 Oct 2015 9:29
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 20 12:23:40 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Oct 20 12:22:24 2015
QLast Update : Tue Oct 20 12:22:24 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	2622256	9.20	ppbv		100
45) t-1,3-Dichloropropene	10.62	75	1014981	12.21	ppbv		100
46) cis-1,3-Dichloropropene	9.99	75	1166487	11.43	ppbv		100
47) 1,1,2-Trichloroethane	10.85	97	748269	9.80	ppbv		100
48) Dibromochloromethane	11.77	129	1243454	11.48	ppbv		100
49) Bromoform	14.79	173	1063040	13.04	ppbv		100
50) 4-Methyl-2-Pentanone	10.06	43	1311444	9.94	ppbv		100
51) 2-Hexanone	11.59	43	1213898	10.23	ppbv	#	100
52) Tetrachloroethene	12.76	164	758445	8.96	ppbv		100
53) Toluene	11.21	91	2244148	10.16	ppbv		100
54) 1,2-Dibromoethane	12.12	107	1152556	10.07	ppbv		100
56) 1,1,1,2-Tetrachloroethane	13.76	131	887583	8.54	ppbv		100
57) Chlorobenzene	13.79	112	1846109	7.89	ppbv		100
58) Ethyl Benzene	14.38	91	3181596	8.45	ppbv		100
59) m/p-Xylene	14.69	91	2445332	8.09	ppbv	#	26
60) o-Xylene	15.46	91	2516913	7.95	ppbv		100
61) Styrene	15.28	104	1268574	9.79	ppbv		100
62) Isopropylbenzene	16.52	105	3591367	8.60	ppbv		100
63) 1,1,2,2-Tetrachloroethane	15.46	83	1612024	6.85	ppbv		100
64) n-propylbenzene	17.49	120	997099	8.87	ppbv		96
65) tert-Butylbenzene	18.78	119	3156804	8.57	ppbv		100
66) Benzyl Chloride	19.07	91	1461441	13.36	ppbv		100
67) sec-Butylbenzene	19.38	105	4492280	8.75	ppbv		100
69) p-Isopropyltoluene	19.76	119	3766701	9.17	ppbv		100
70) n-Butylbenzene	20.73	91	3459112	8.79	ppbv		100
71) 2-Chlorotoluene	17.40	91	2680469	8.79	ppbv		100
72) 4-Ethyltoluene	17.79	105	3074428	9.10	ppbv		100
73) 1,3,5-Trimethylbenzene	17.96	105	2867785	9.03	ppbv		100
74) 1,2,4-Trimethylbenzene	18.80	105	2808761	8.44	ppbv		100
75) 1,3-Dichlorobenzene	19.09	146	1871636	8.79	ppbv		100
76) 1,4-Dichlorobenzene	19.24	146	1974978	9.19	ppbv		100
77) 1,2-Dichlorobenzene	20.00	146	1892788	9.09	ppbv		100
78) Hexachloro-1,3-Butadiene	24.64	225	366855	4.39	ppbv		100
79) Naphthalene	23.90	128	1107650	5.30	ppbv		100
80) Naphthalene,2-methyl-	26.01	142	852151	18.16	ppbv		100
81) 1,2,4-Trichlorobenzene	23.70	180	561938	5.43	ppbv		100

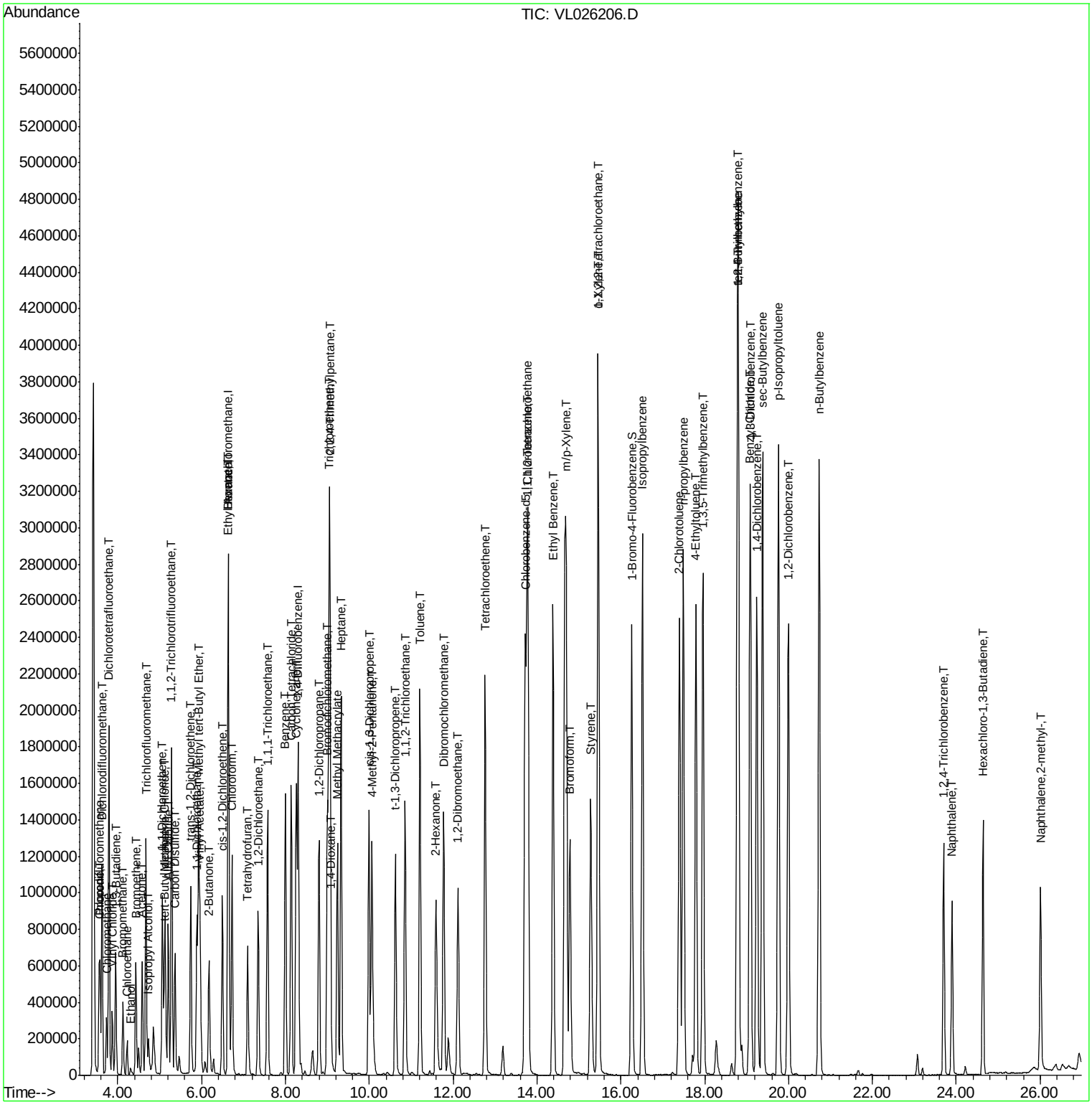
(#) = qualifier out of range (m) = manual integration (+) = signals summed

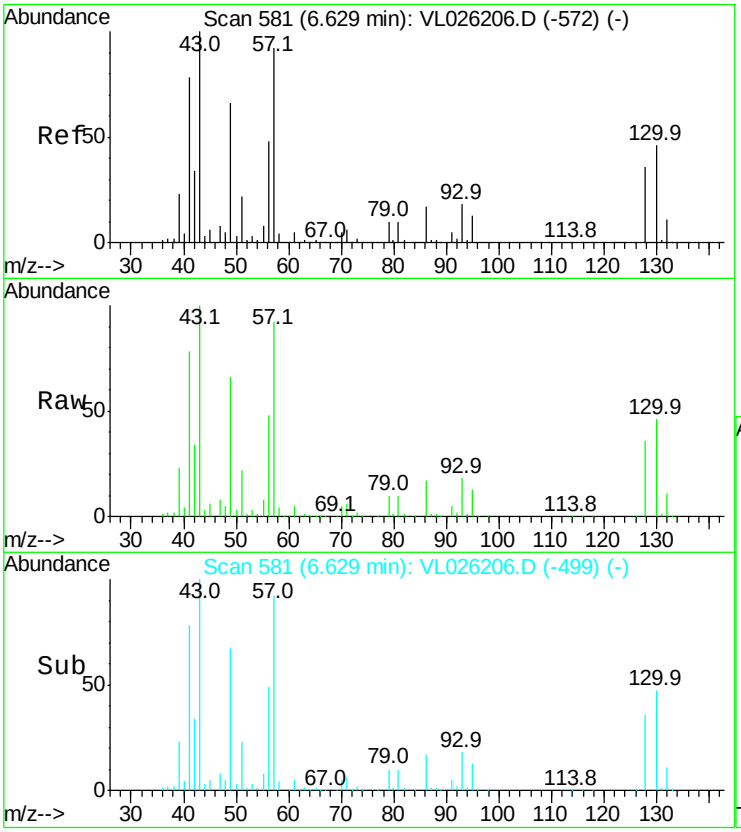
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL102015\
Data File : VL026206.D
Acq On : 20 Oct 2015 9:29
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Oct 20 12:23:40 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Oct 20 12:22:24 2015
QLast Update : Tue Oct 20 12:22:24 2015
Response via : Initial Calibration

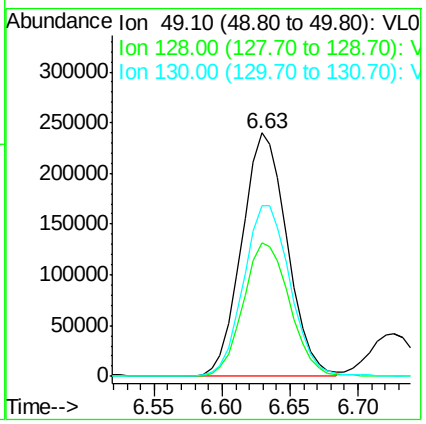




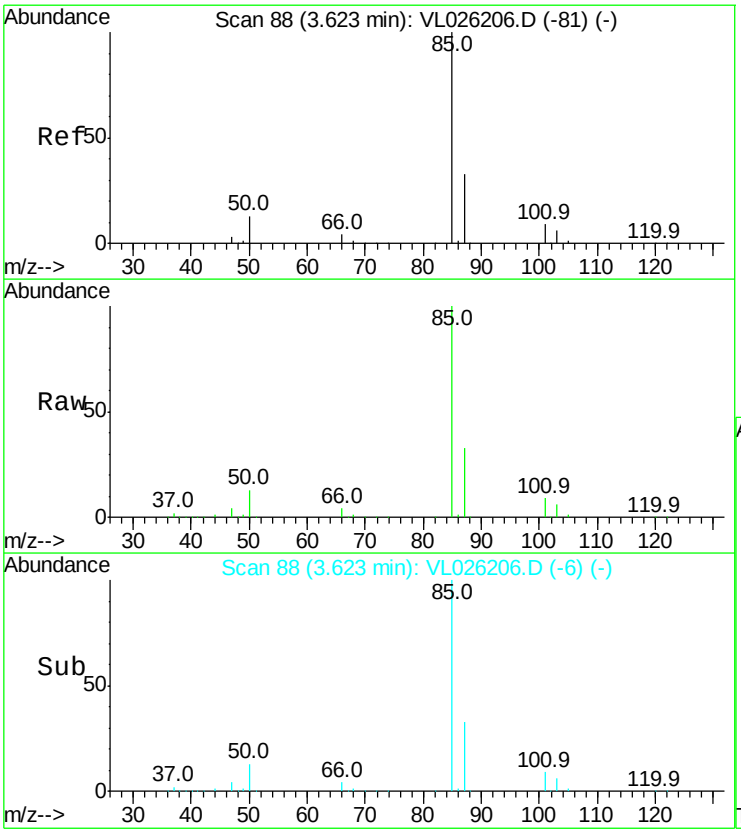
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 581
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 49 Resp: 560942

Ion	Ratio	Lower	Upper
49	100		
128	56.2	28.1	84.3
130	72.4	36.2	108.6



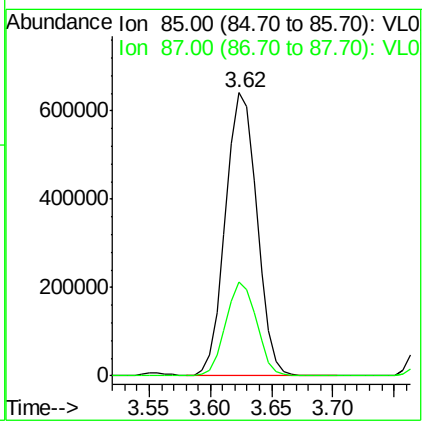
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

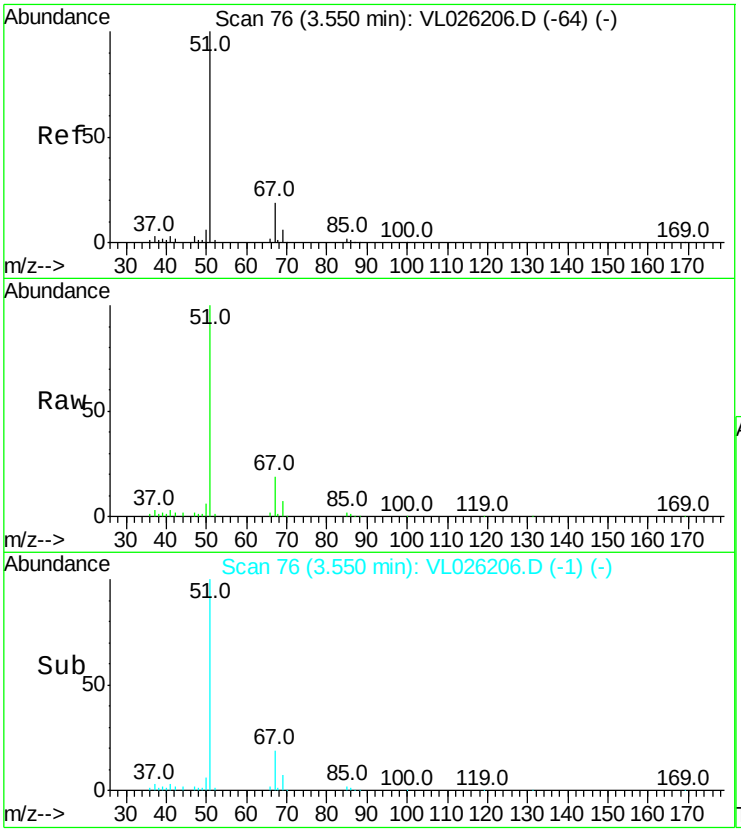


#2
Dichlorodifluoromethane
Concen: 10.87 ppbv
RT: 3.62 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 85 Resp: 1142782

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.5	39.7



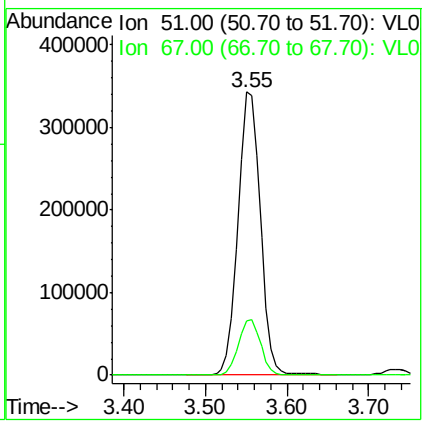


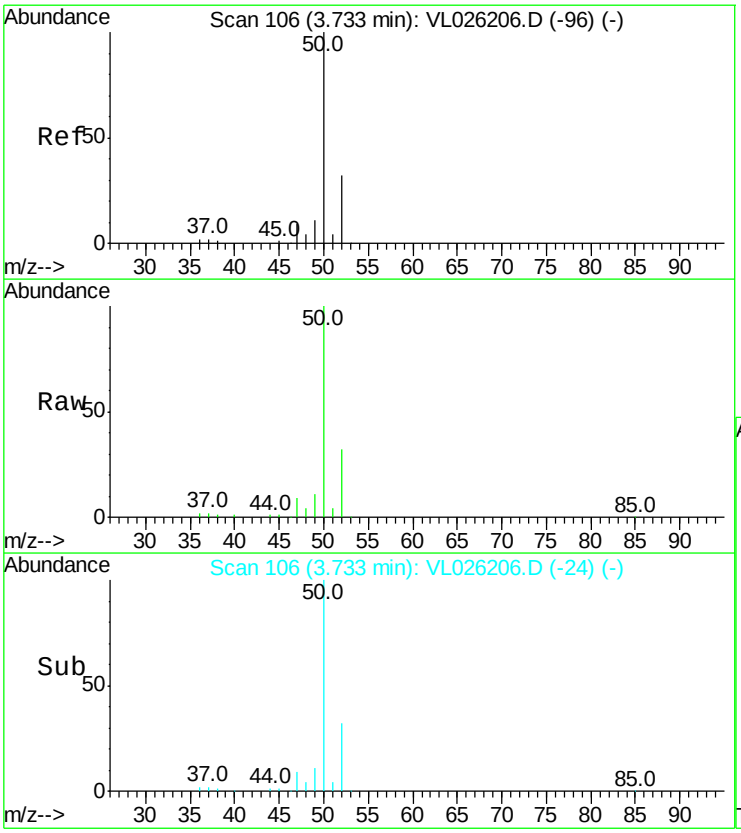
#3
Chlorodifluoromethane
Concen: 9.90 ppbv
RT: 3.55 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 648896

Ion	Ratio	Lower	Upper
51	100		
67	19.5	15.6	23.4

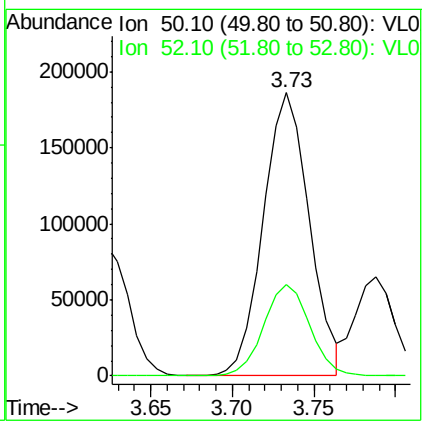


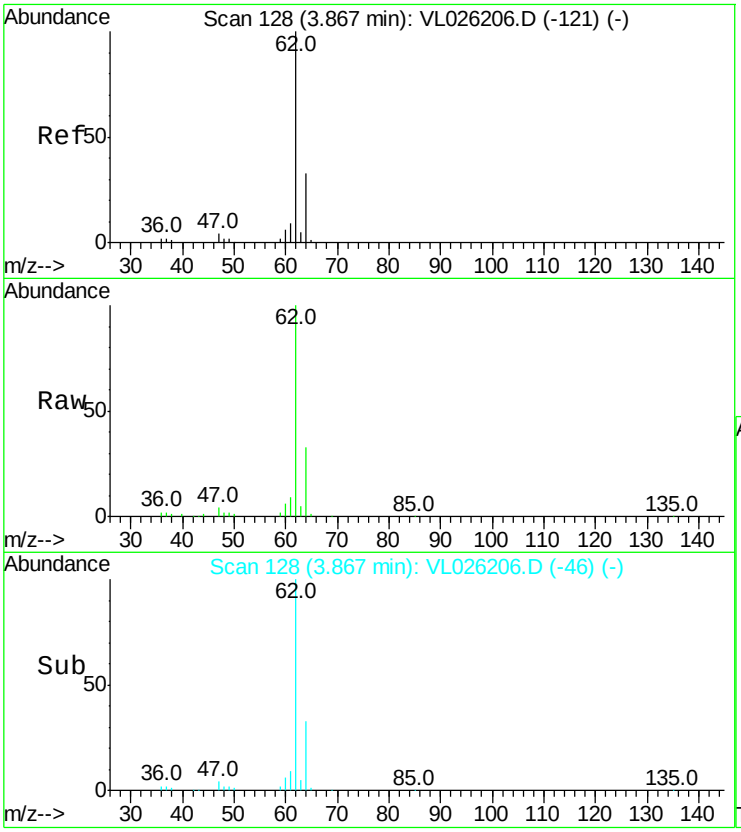


#4
Chloromethane
Concen: 9.83 ppbv
RT: 3.73 min Scan# 106
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 50 Resp: 363325

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.8	38.6



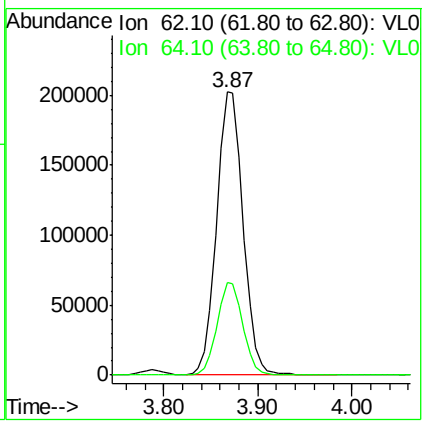


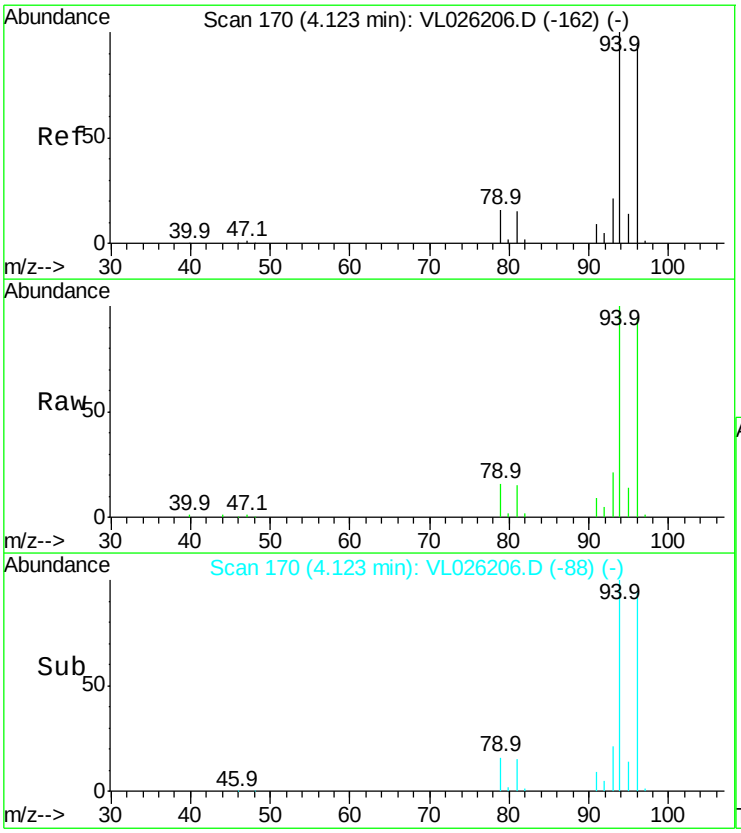
#5
Vinyl Chloride
Concen: 10.58 ppbv
RT: 3.87 min Scan# 128
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 393961

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.3	39.5

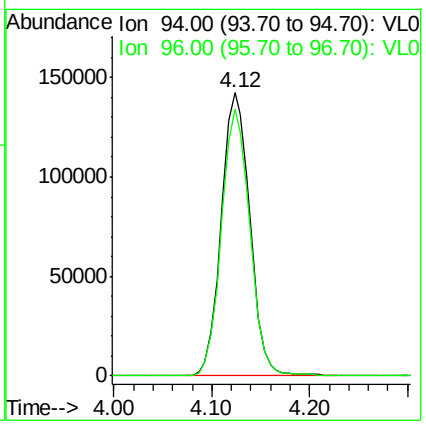


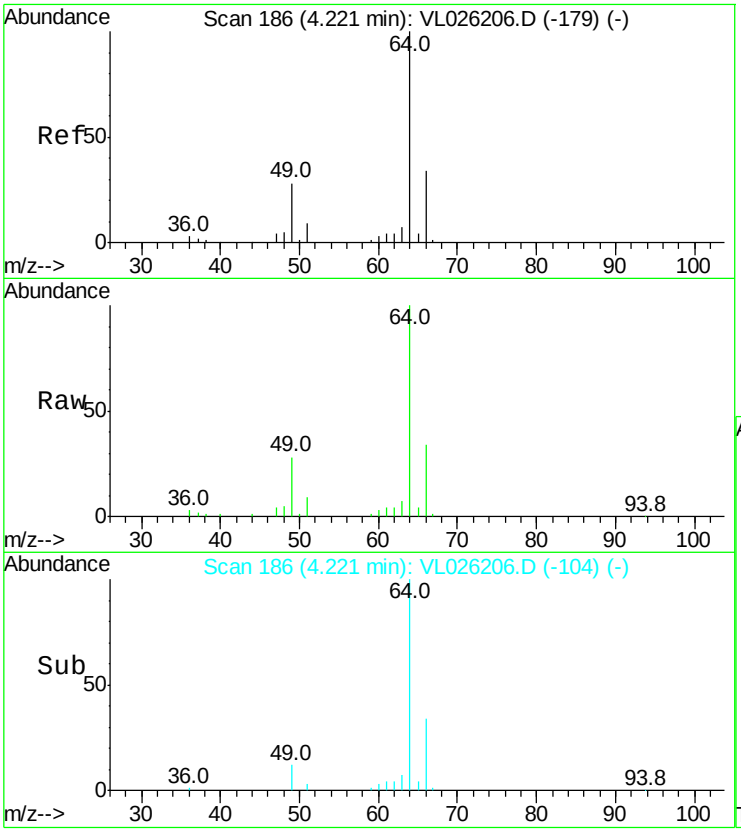


#6
Bromomethane
Concen: 10.77 ppbv
RT: 4.12 min Scan# 170
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 94 Resp: 288758

Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.5	113.3



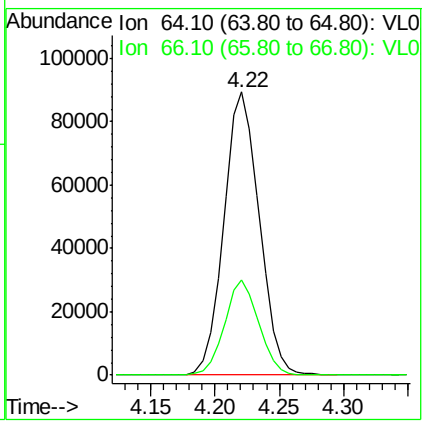


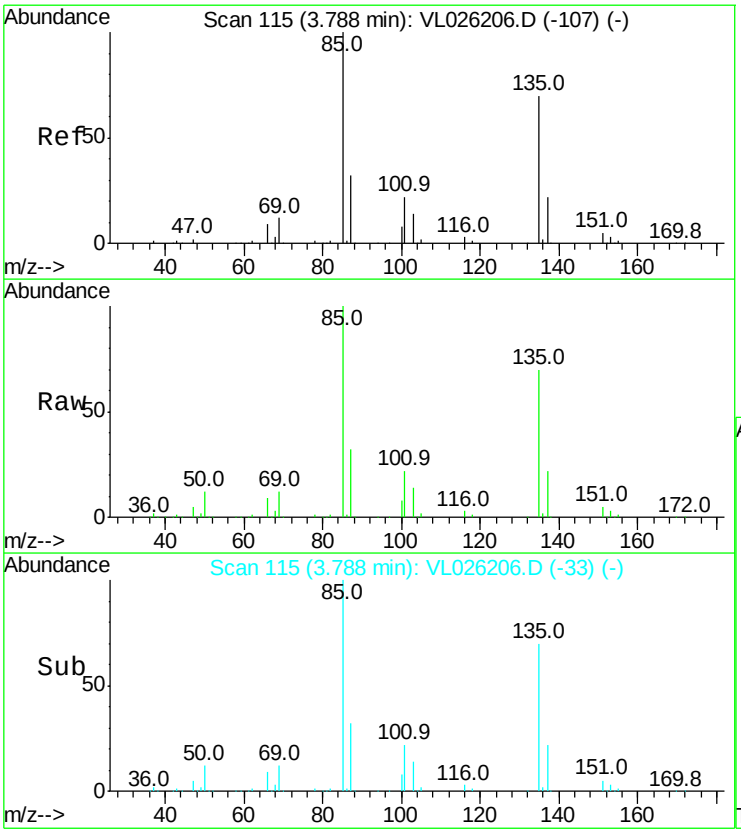
#7
Chloroethane
Concen: 10.61 ppbv
RT: 4.22 min Scan# 186
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 171556

Ion	Ratio	Lower	Upper
64	100		
66	33.8	27.0	40.6

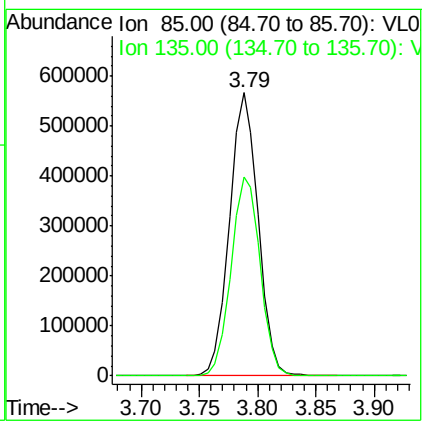


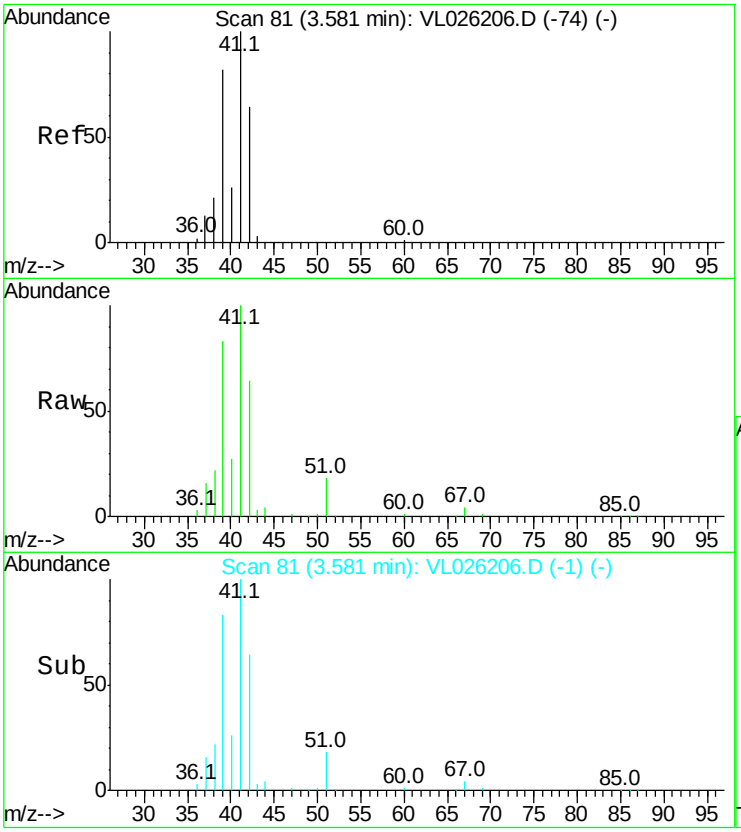


#8
Dichlorotetrafluoroethane
Concen: 10.52 ppbv
RT: 3.79 min Scan# 115
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 85 Resp: 965690

Ion	Ratio	Lower	Upper
85	100		
135	71.9	57.5	86.3

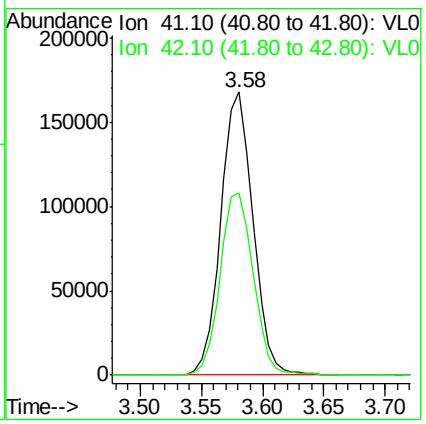




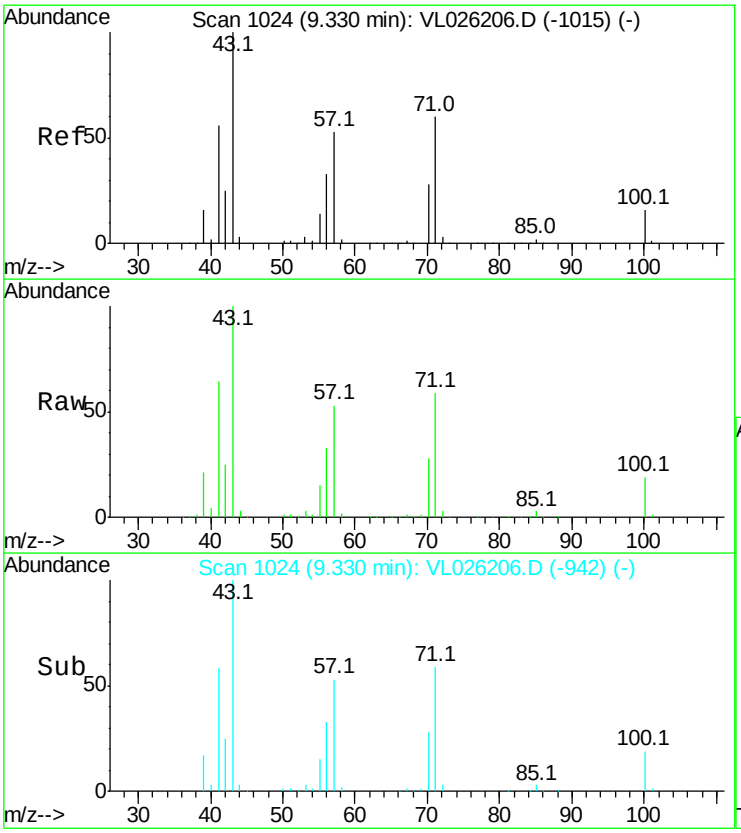
#9
Propene
Concen: 10.18 ppbv
RT: 3.58 min Scan# 81
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 41 Resp: 306228

Ion	Ratio	Lower	Upper
41	100		
42	66.4	53.1	79.7



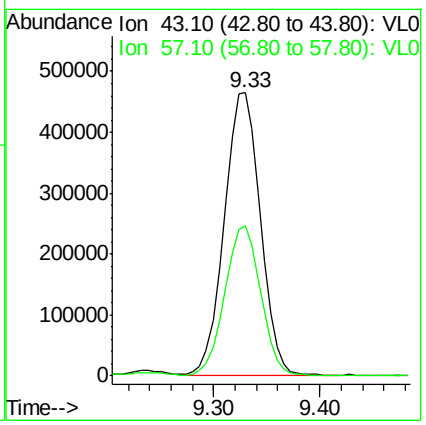
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

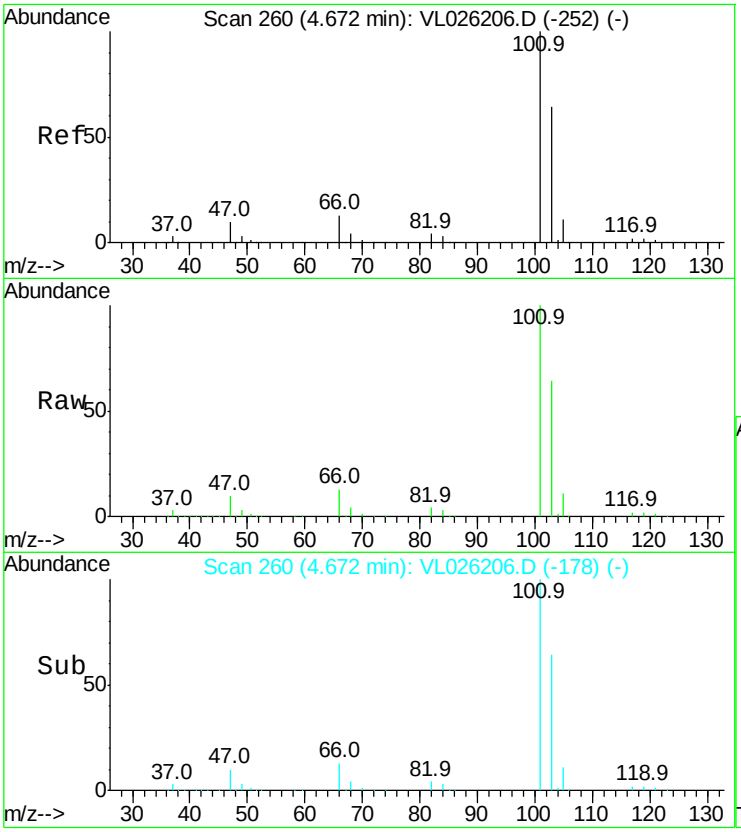


#10
Heptane
Concen: 10.49 ppbv
RT: 9.33 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 43 Resp: 1096376

Ion	Ratio	Lower	Upper
43	100		
57	54.4	43.4	65.2



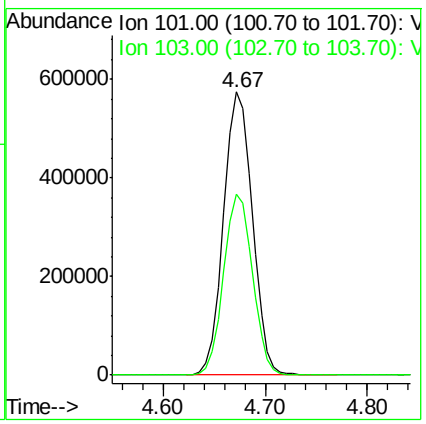


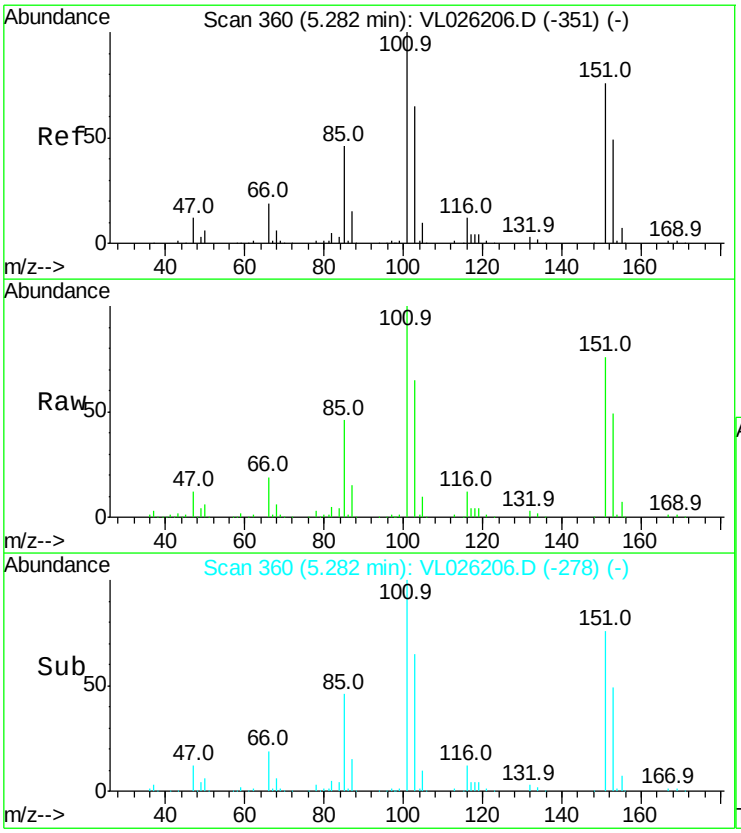
#11
Trichlorofluoromethane
Concen: 10.90 ppbv
RT: 4.67 min Scan# 260
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1124973

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

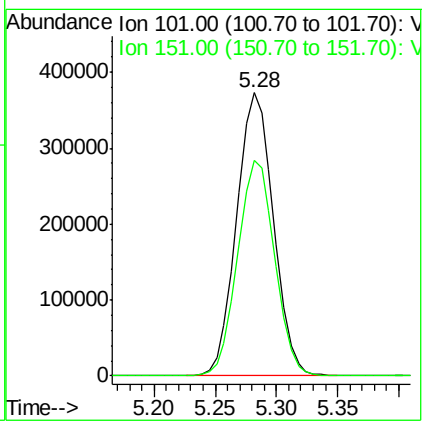


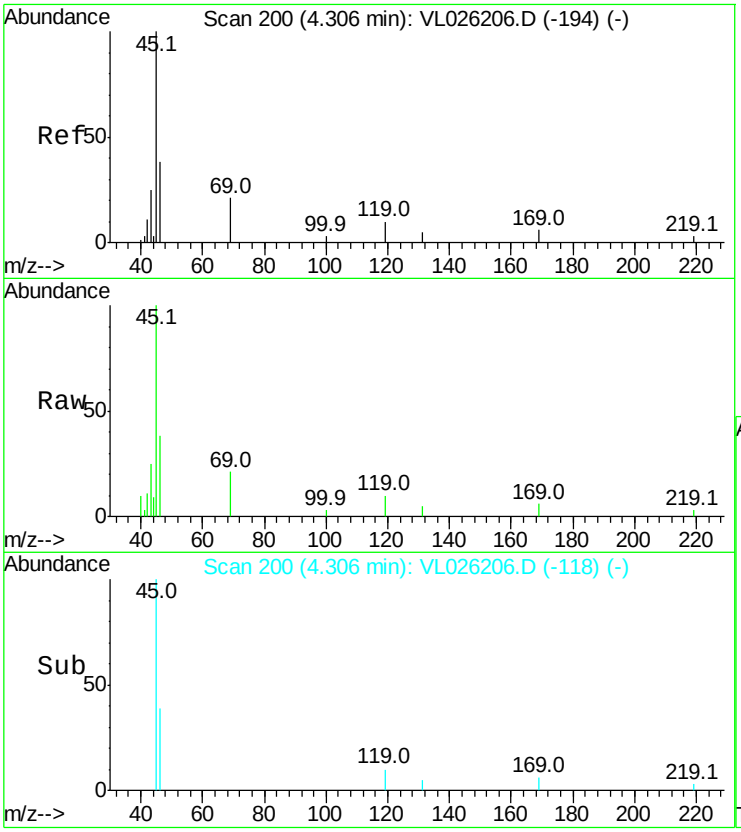


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.17 ppbv
RT: 5.28 min Scan# 360
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:101 Resp: 780770

Ion	Ratio	Lower	Upper
101	100		
151	76.7	61.4	92.0



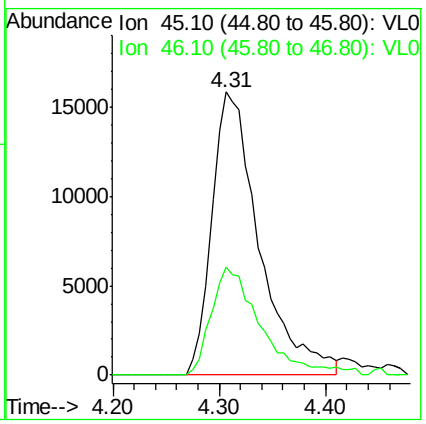


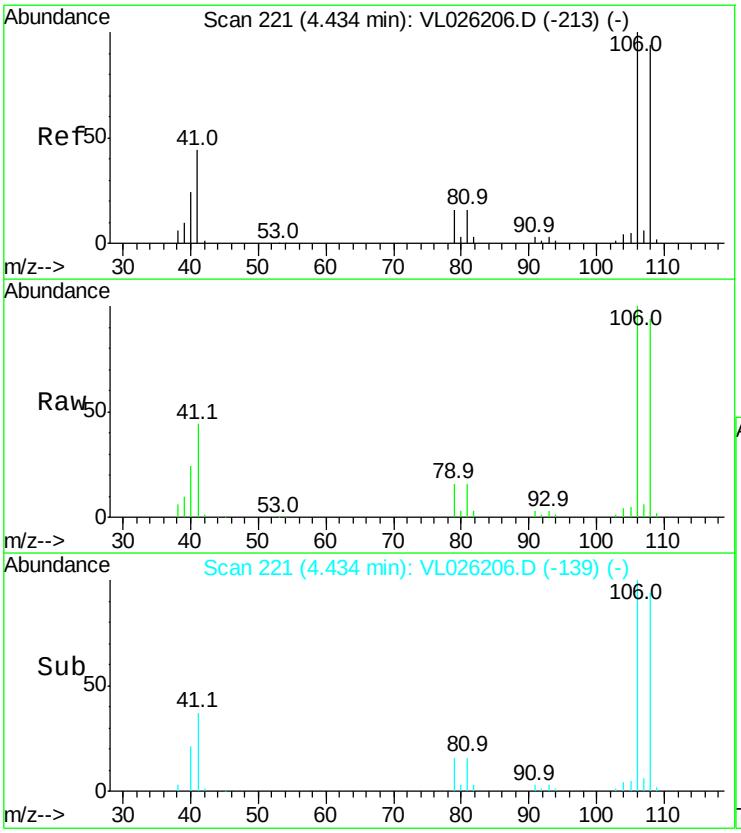
#13
Ethanol
Concen: 11.08 ppbv
RT: 4.31 min Scan# 200
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 49016

Ion	Ratio	Lower	Upper
45	100		
46	40.2	16.1	64.3

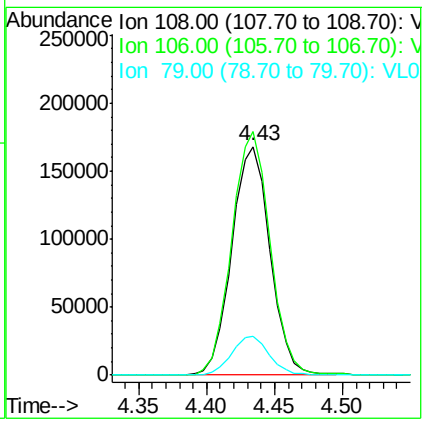


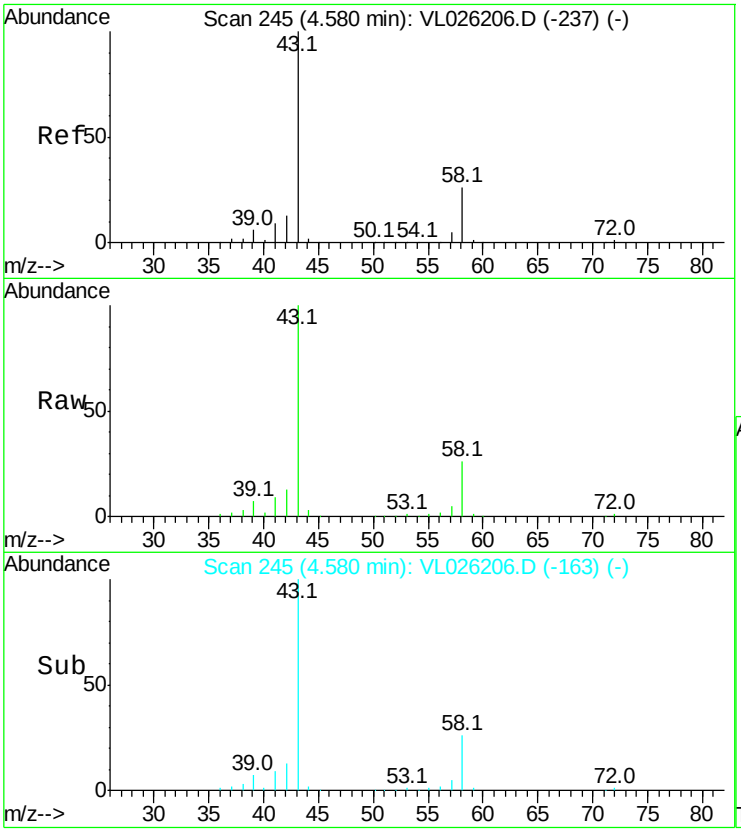


#14
Bromoethene
Concen: 11.49 ppbv
RT: 4.43 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:108 Resp: 330975

Ion	Ratio	Lower	Upper
108	100		
106	106.6	85.3	127.9
79	16.7	13.4	20.0



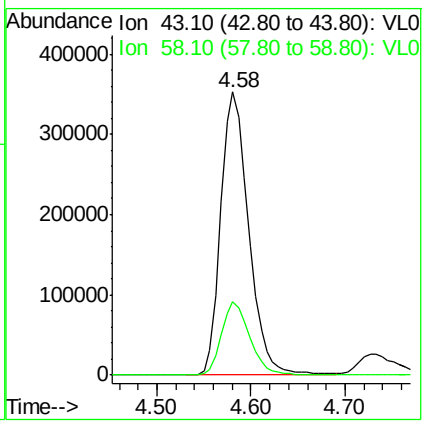


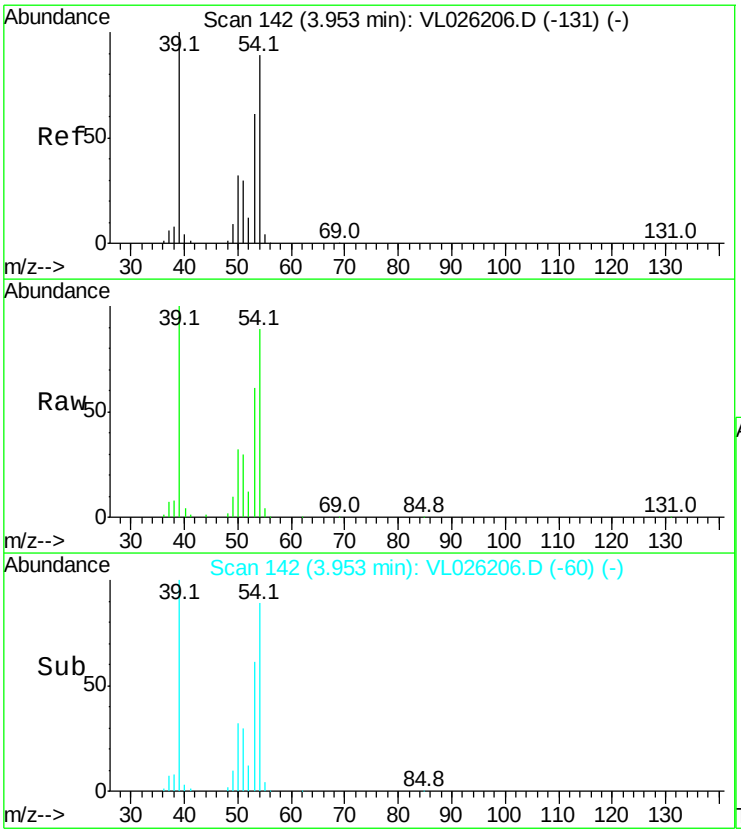
#15
Acetone
Concen: 10.08 ppbv
RT: 4.58 min Scan# 245
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 730874

Ion	Ratio	Lower	Upper
43	100		
58	26.2	21.0	31.4

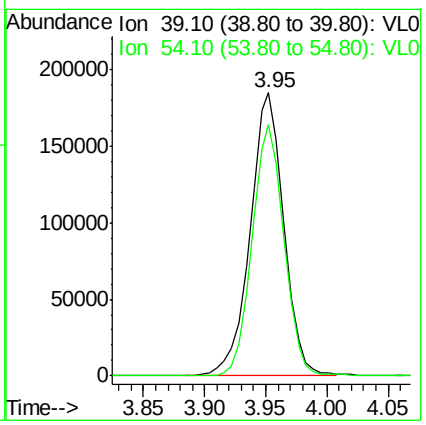


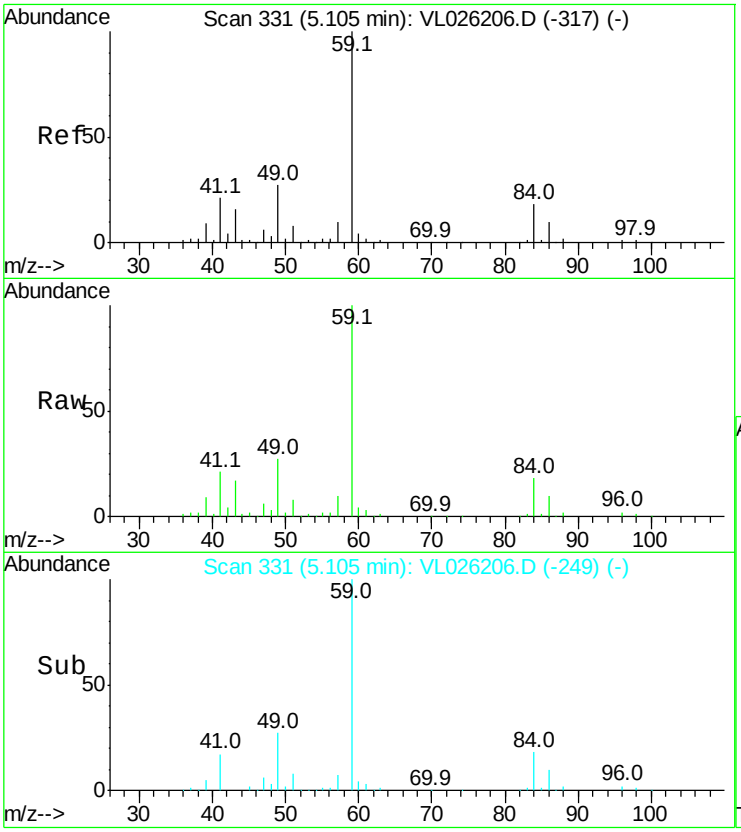


#16
1,3-Butadiene
Concen: 10.55 ppbv
RT: 3.95 min Scan# 142
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 39 Resp: 353669

Ion	Ratio	Lower	Upper
39	100		
54	84.1	67.3	100.9



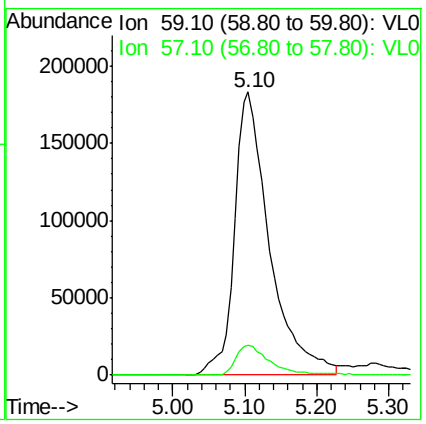


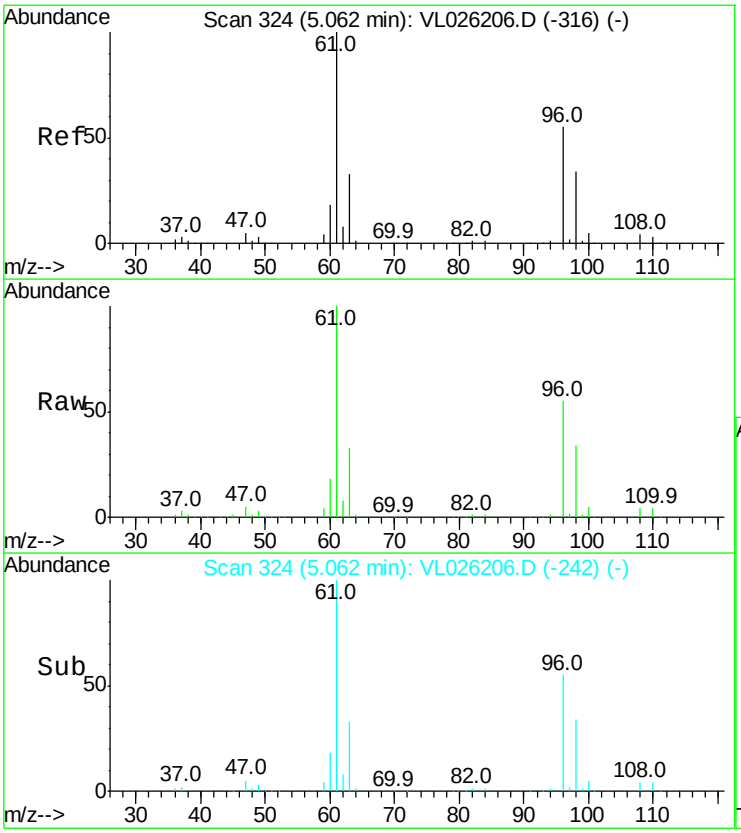
#17
tert-Butyl alcohol
Concen: 14.22 ppbv
RT: 5.10 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 59 Resp: 621213

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

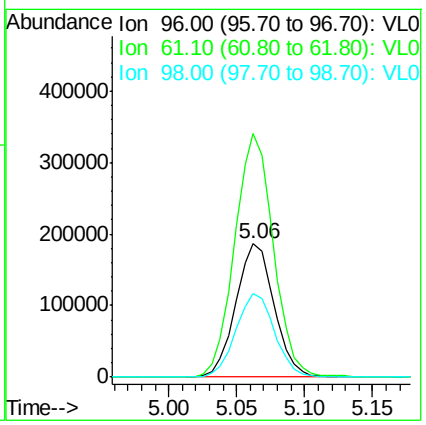


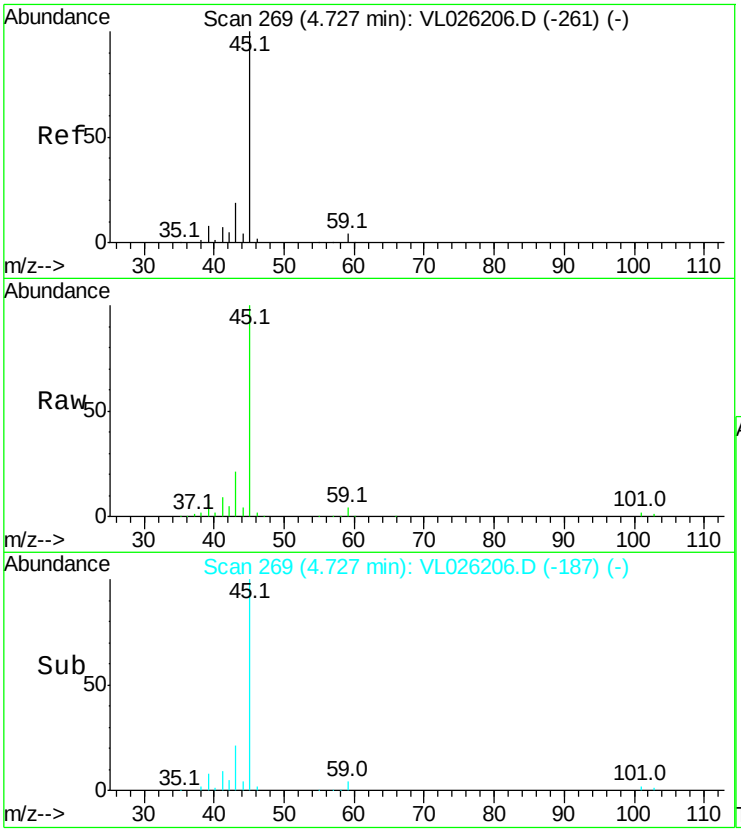


#18
1,1-Dichloroethene
Concen: 11.60 ppbv
RT: 5.06 min Scan# 324
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 96 Resp: 367139

Ion	Ratio	Lower	Upper
96	100		
61	183.2	146.6	219.8
98	63.1	50.5	75.7



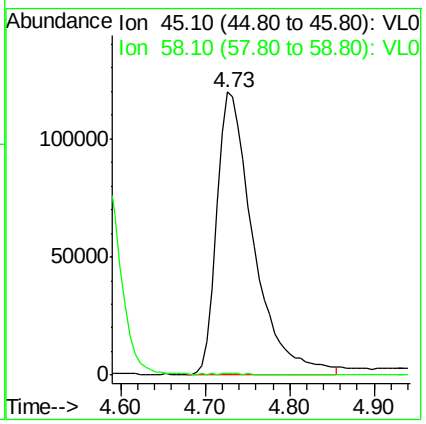


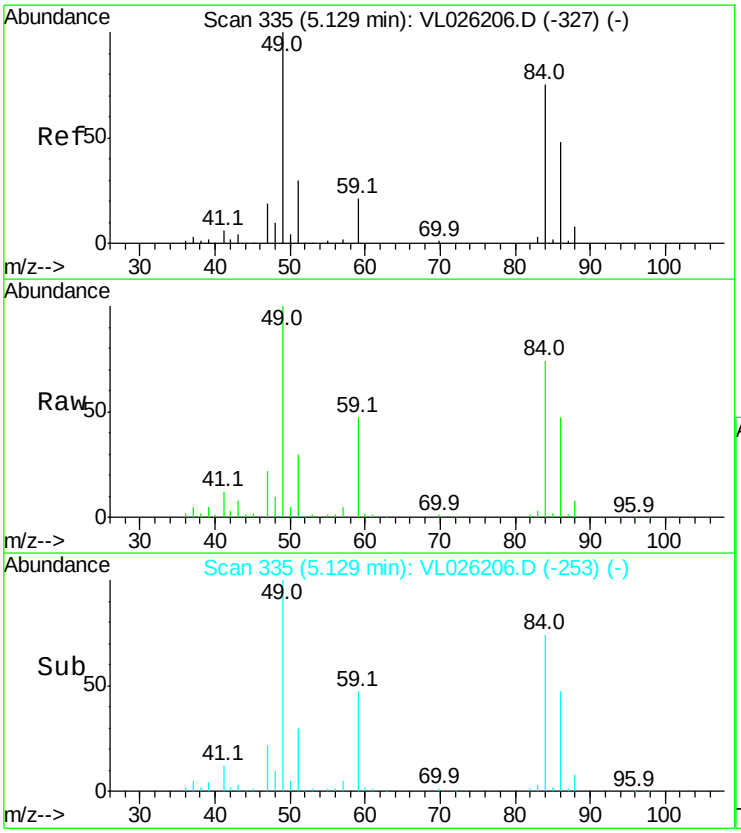
#19
Isopropyl Alcohol
Concen: 12.78 ppbv
RT: 4.73 min Scan# 269
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 360990

Ion	Ratio	Lower	Upper
45	100		
58	53.0	42.4	63.6

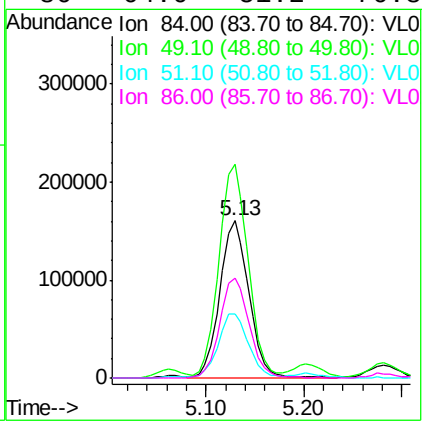


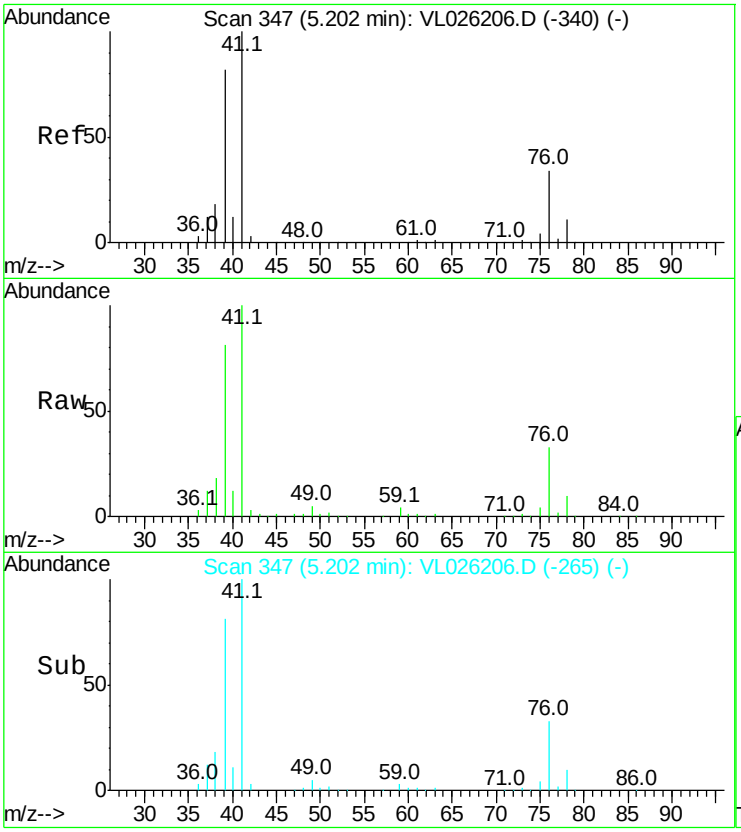


#20
Methylene Chloride
Concen: 10.73 ppbv
RT: 5.13 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 84 Resp: 331191

Ion	Ratio	Lower	Upper
84	100		
49	134.9	107.9	161.9
51	40.5	32.4	48.6
86	64.0	51.2	76.8



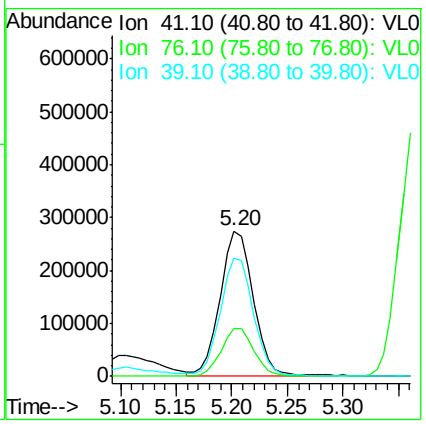


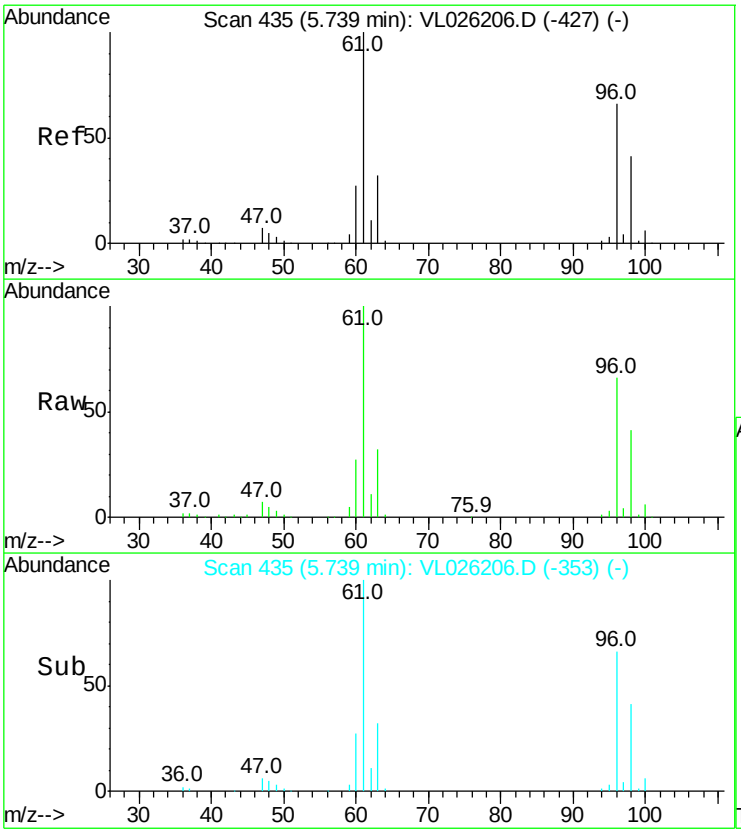
#21
Allyl Chloride
Concen: 11.85 ppbv
RT: 5.20 min Scan# 347
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 560814

Ion	Ratio	Lower	Upper
41	100		
76	32.8	26.2	39.4
39	82.0	65.6	98.4

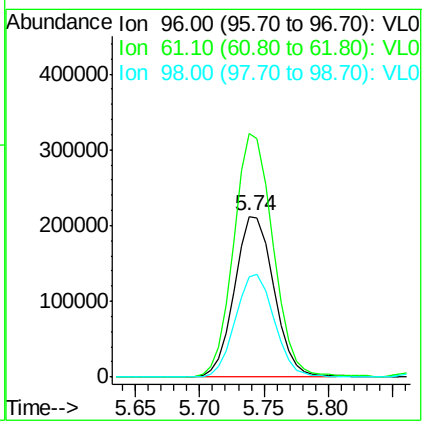


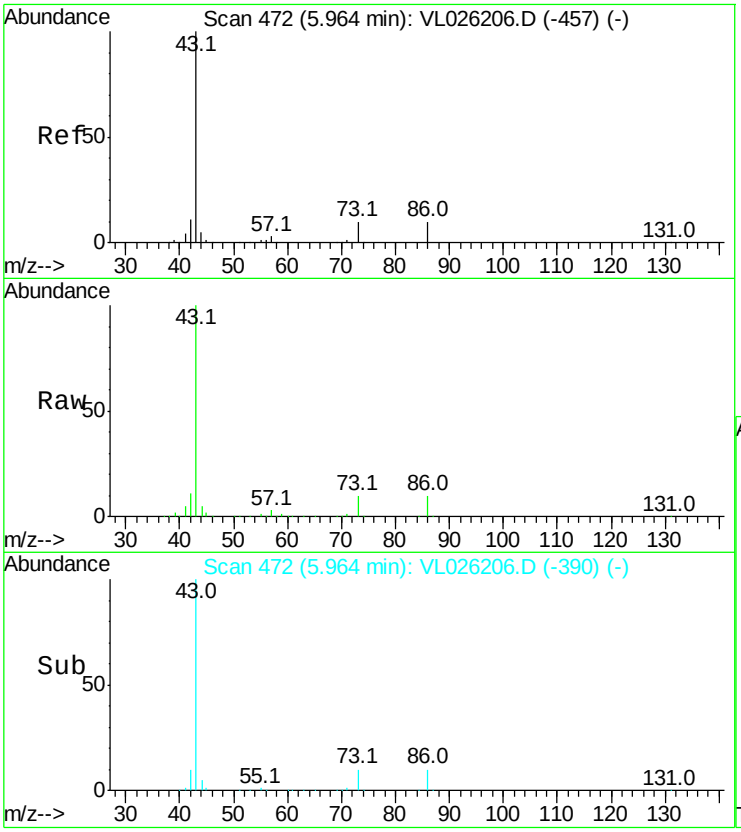


#22
trans-1,2-Dichloroethene
Concen: 11.14 ppbv
RT: 5.74 min Scan# 435
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 96 Resp: 451607

Ion	Ratio	Lower	Upper
96	100		
61	151.6	121.3	181.9
98	62.3	49.8	74.8



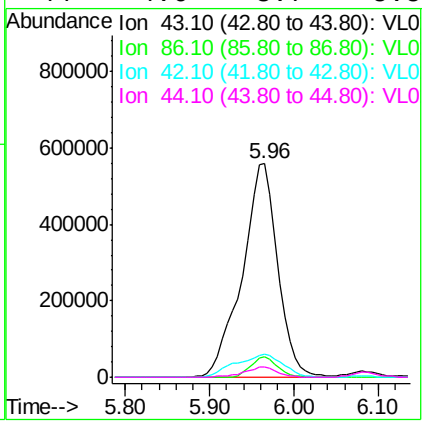


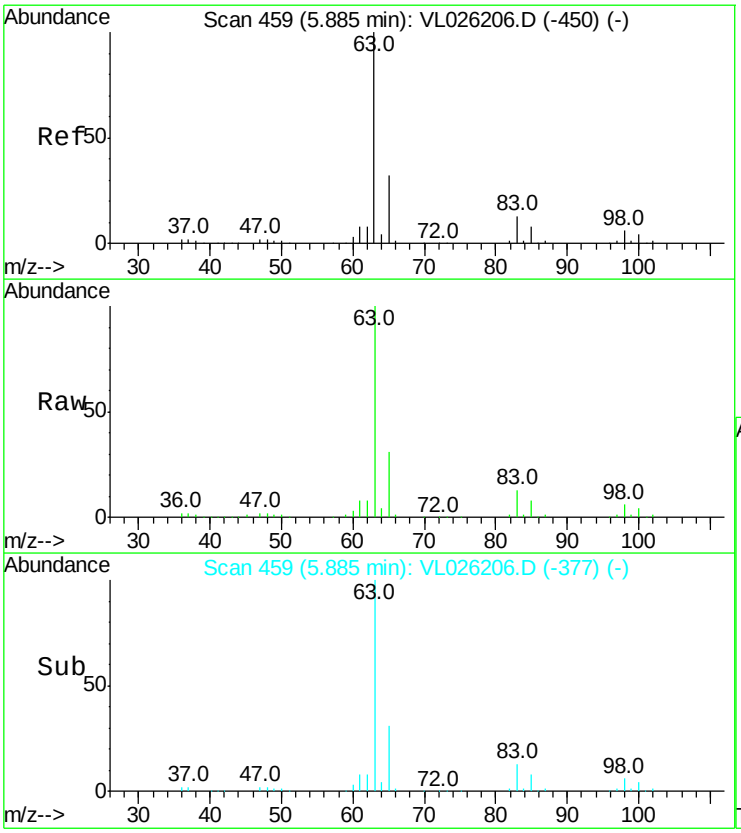
#23
Vinyl Acetate
Concen: 12.47 ppbv
RT: 5.96 min Scan# 472
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1600654

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.6
42	10.5	8.4	12.6
44	4.6	3.7	5.5

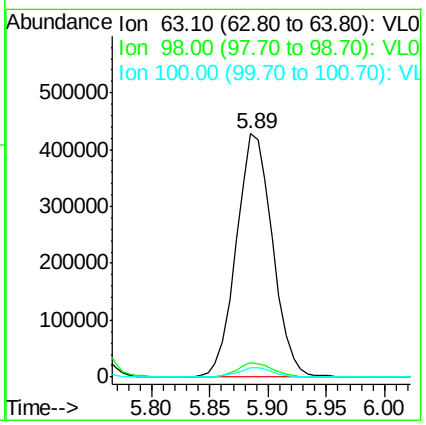


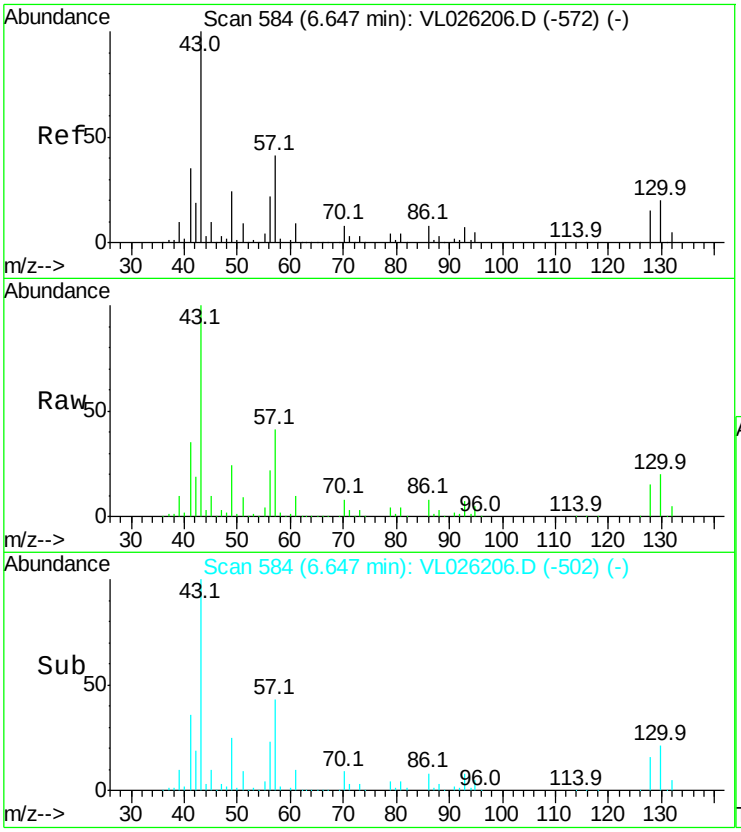


#24
1,1-Dichloroethane
Concen: 10.59 ppbv
RT: 5.89 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 63 Resp: 926191

Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.7
100	3.7	1.8	5.5



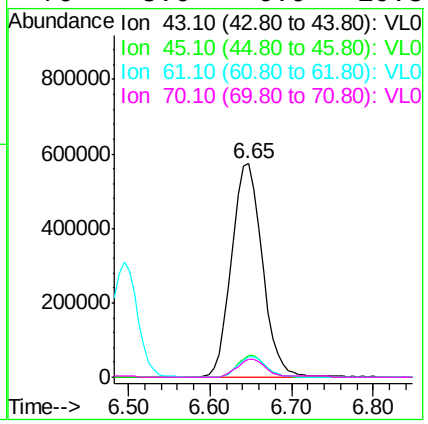


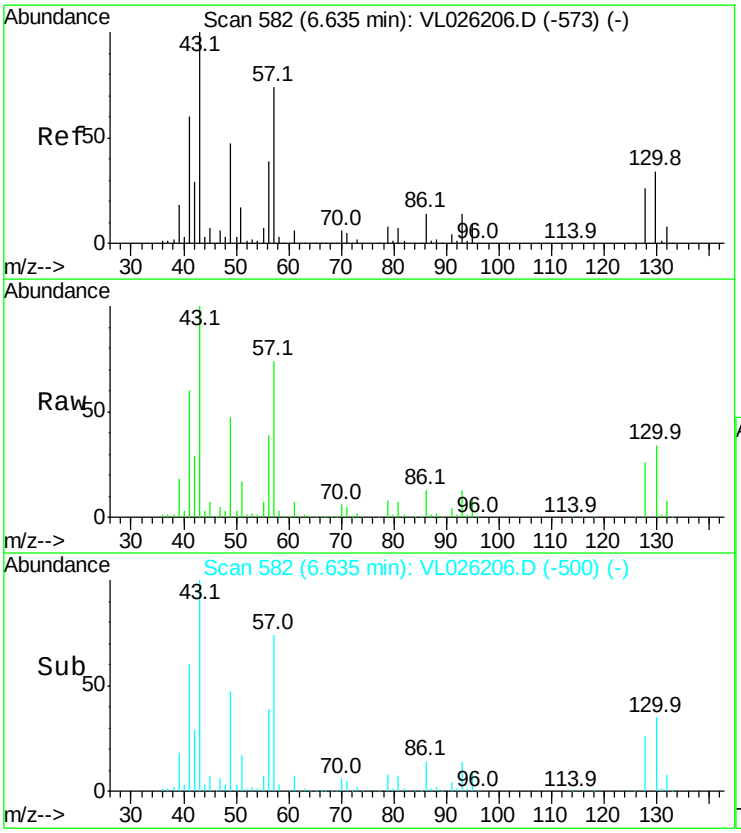
#25
Ethyl Acetate
Concen: 10.63 ppbv
RT: 6.65 min Scan# 584
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1490213

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.5	11.3
61	9.4	7.4	11.2
70	8.6	6.9	10.3

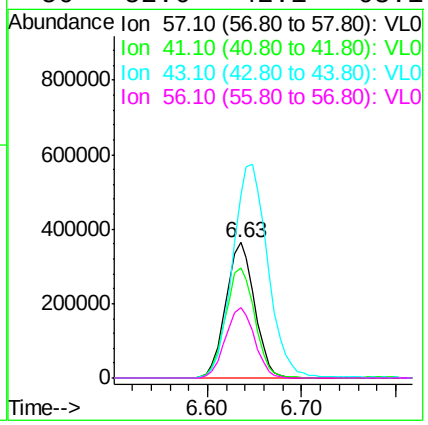


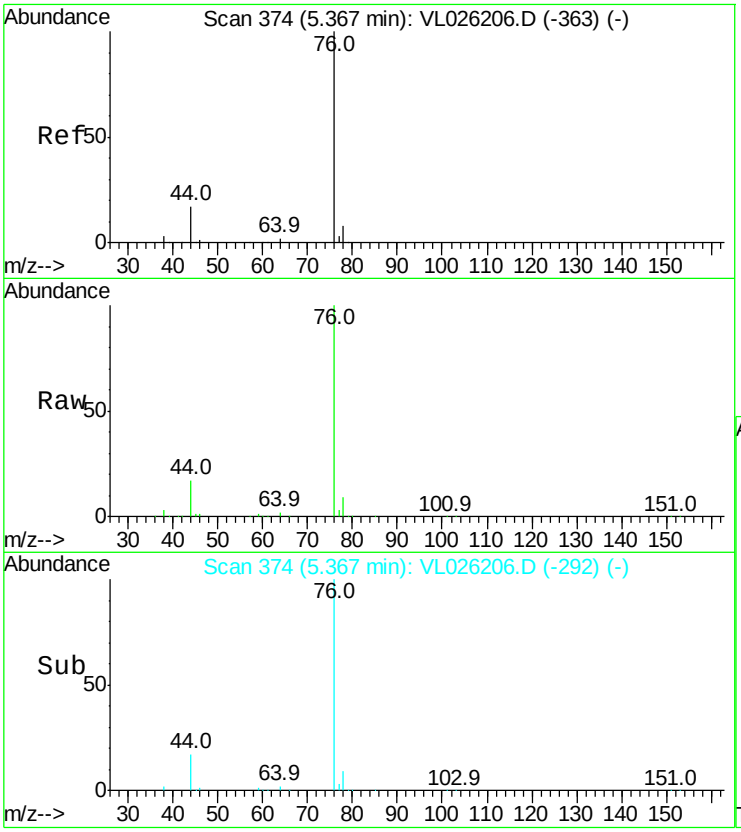


#26
Hexane
Concen: 11.31 ppbv
RT: 6.63 min Scan# 582
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 57 Resp: 767980

Ion	Ratio	Lower	Upper
57	100		
41	83.8	67.0	100.6
43	195.0	156.0	234.0
56	52.6	42.1	63.1



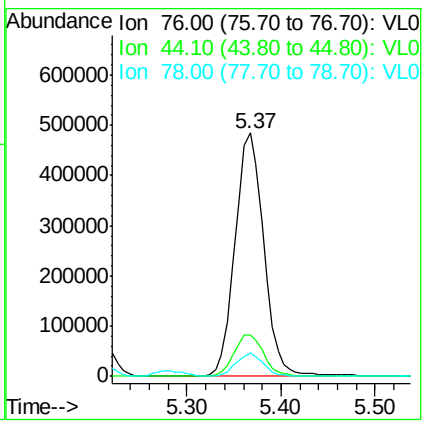


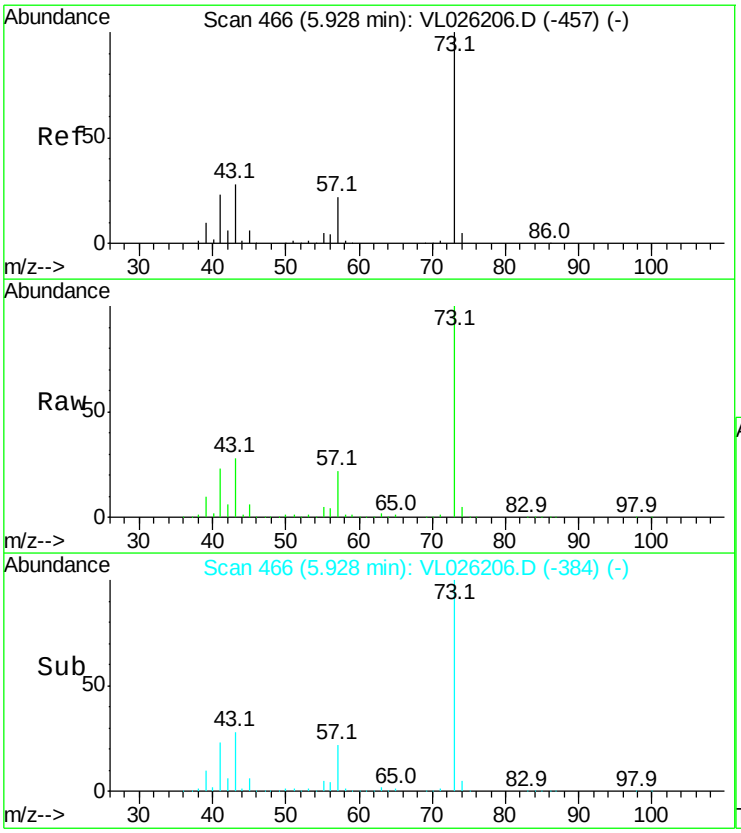
#27
Carbon Disulfide
Concen: 12.74 ppbv
RT: 5.37 min Scan# 374
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1036084

Ion	Ratio	Lower	Upper
76	100		
44	17.2	13.8	20.6
78	9.3	7.4	11.2

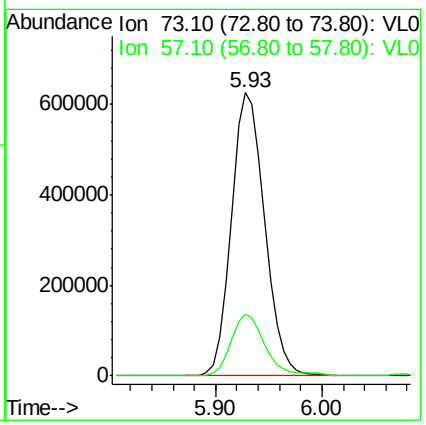


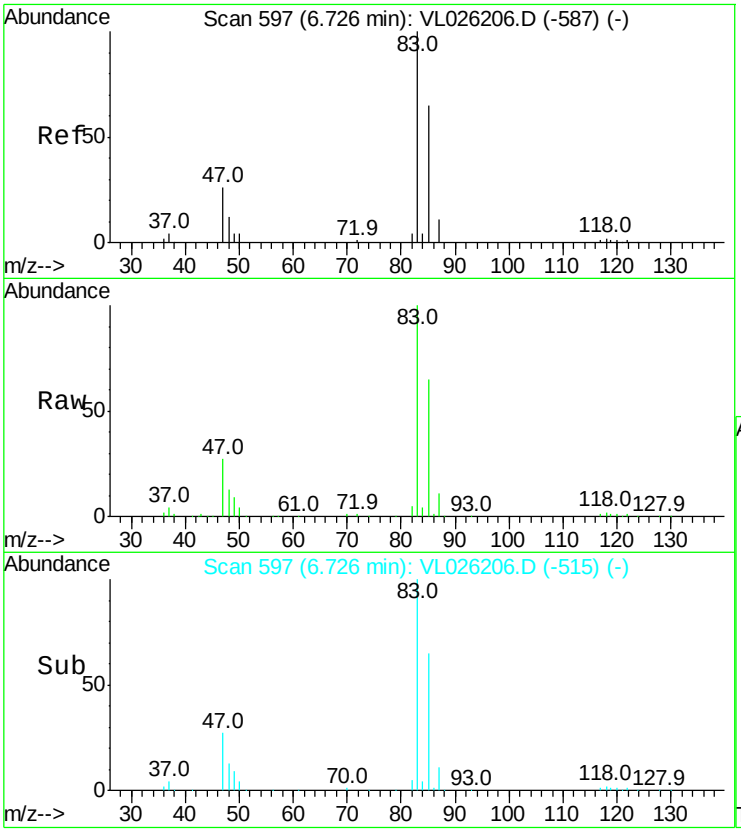


#28
Methyl tert-Butyl Ether
Concen: 12.54 ppbv
RT: 5.93 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 73 Resp: 1372708

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9



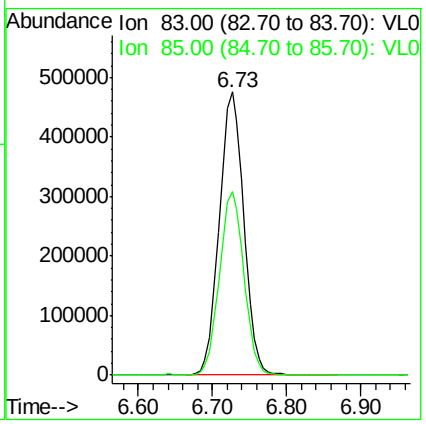


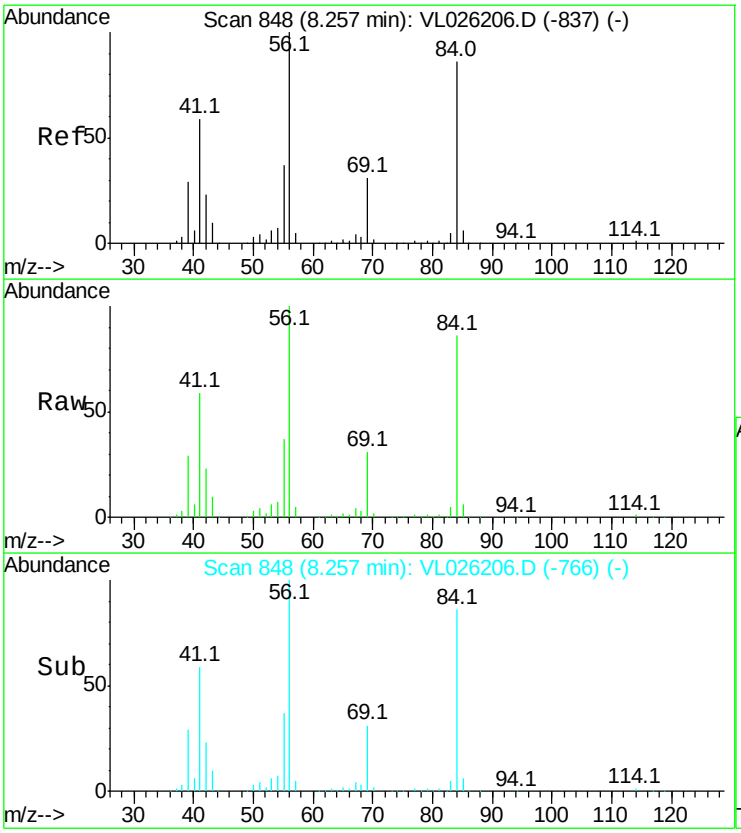
#29
Chloroform
Concen: 10.84 ppbv
RT: 6.73 min Scan# 597
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1091435

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

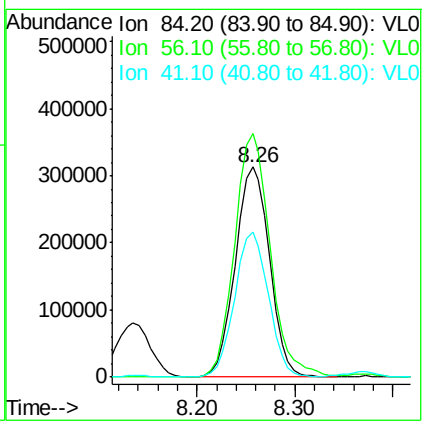


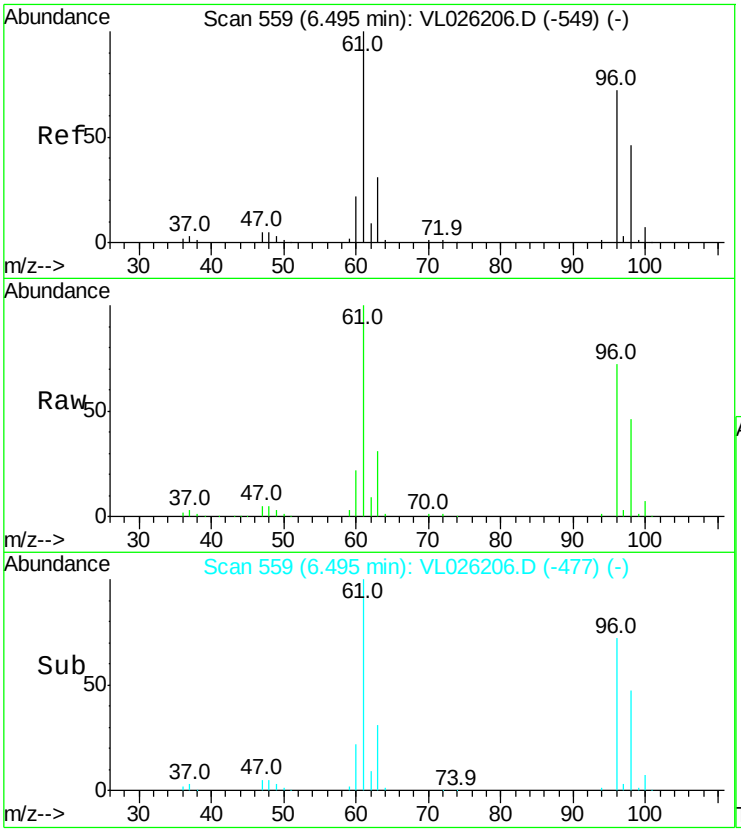


#30
Cyclohexane
Concen: 11.81 ppbv
RT: 8.26 min Scan# 848
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 84 Resp: 763775

Ion	Ratio	Lower	Upper
84	100		
56	121.9	97.5	146.3
41	68.2	54.6	81.8



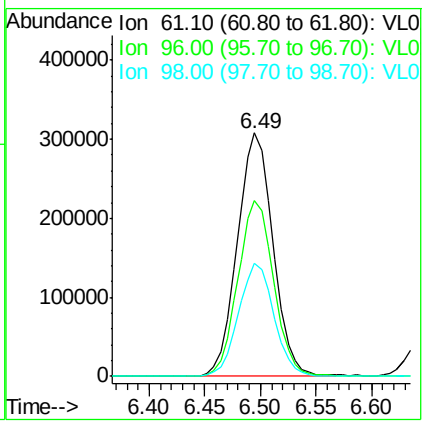


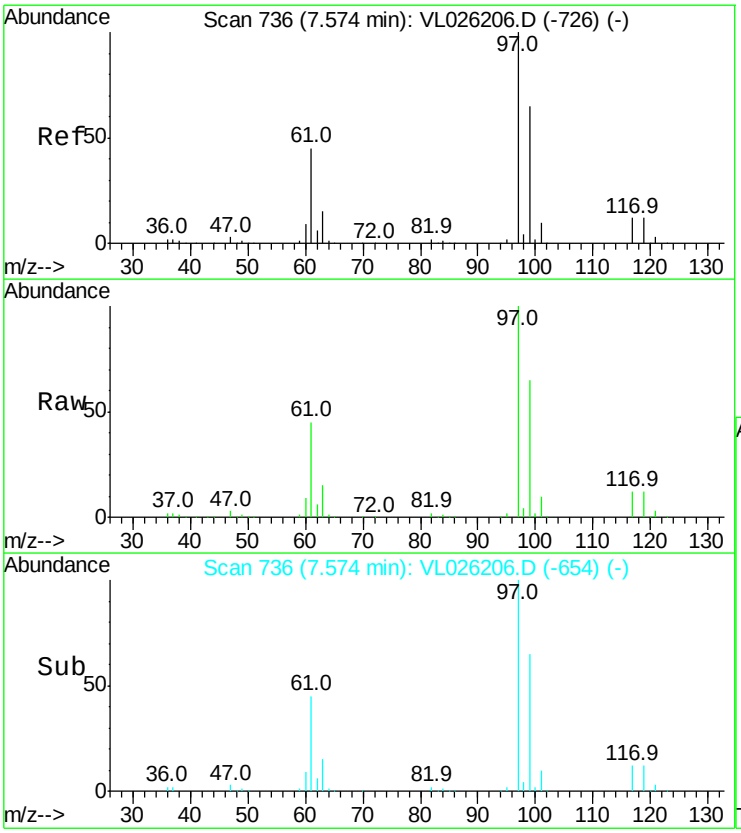
#31
cis-1,2-Dichloroethene
Concen: 11.09 ppbv
RT: 6.49 min Scan# 559
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 686871

Ion	Ratio	Lower	Upper
61	100		
96	72.4	57.9	86.9
98	46.5	37.2	55.8

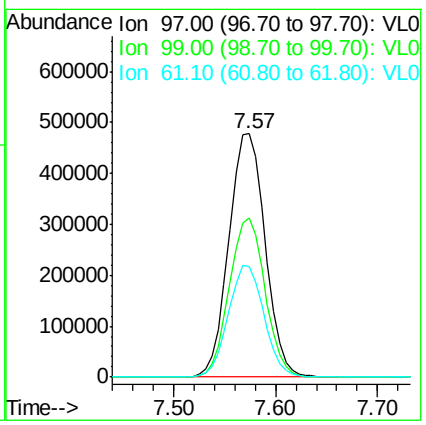


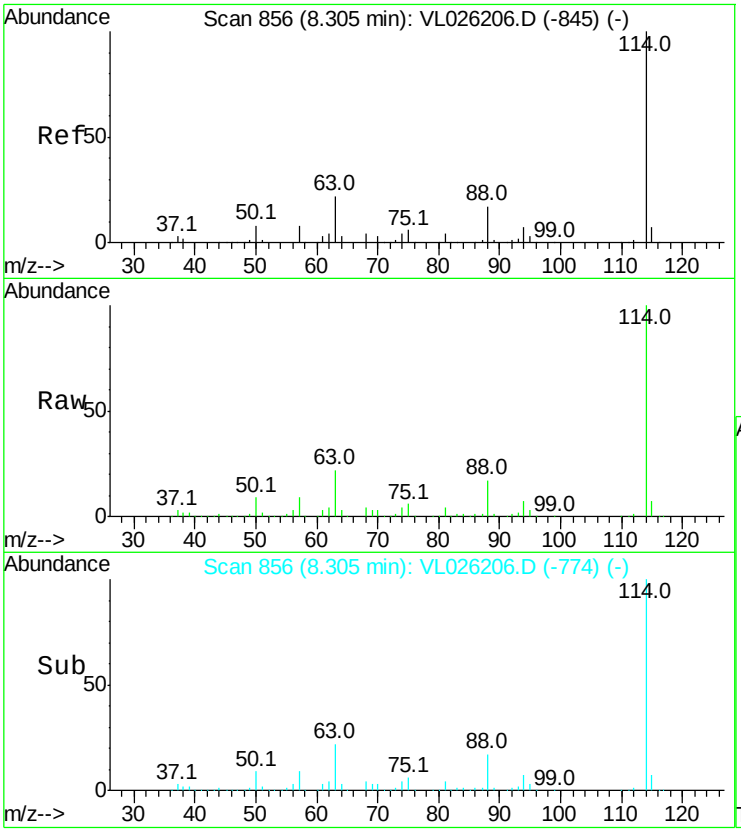


#32
1,1,1-Trichloroethane
Concen: 12.29 ppbv
RT: 7.57 min Scan# 736
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 97 Resp: 1181477

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	45.0	36.0	54.0



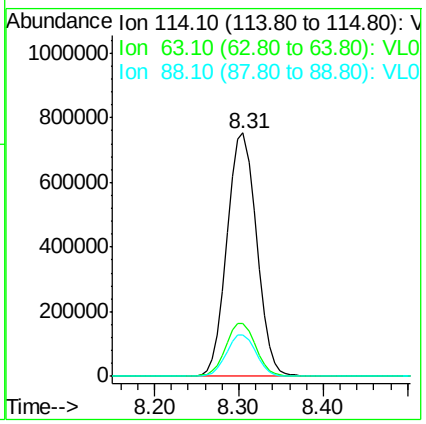


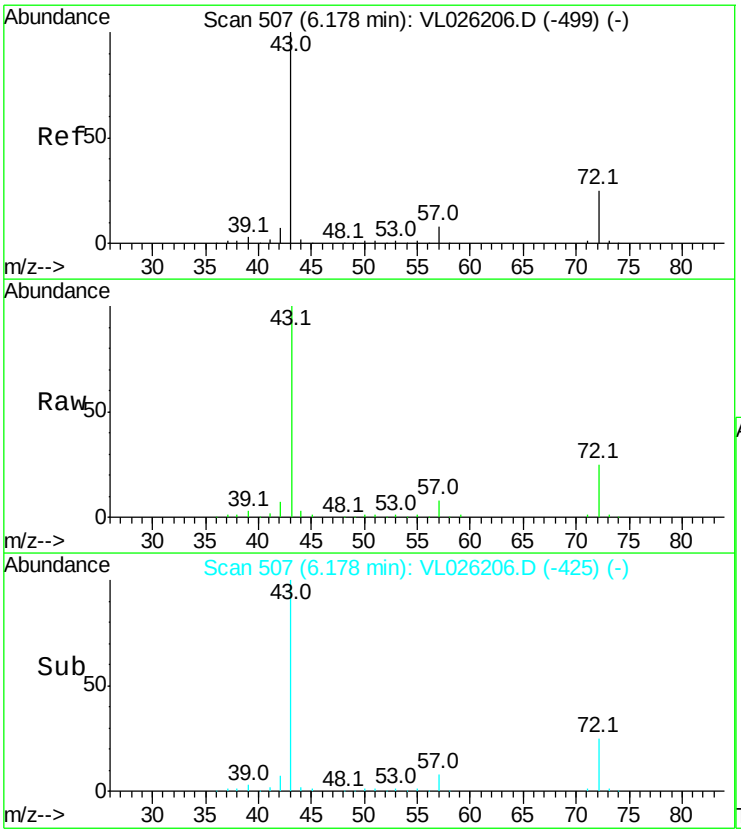
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.31 min Scan# 856
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 1792345

Ion	Ratio	Lower	Upper
114	100		
63	22.4	17.9	26.9
88	17.0	13.6	20.4

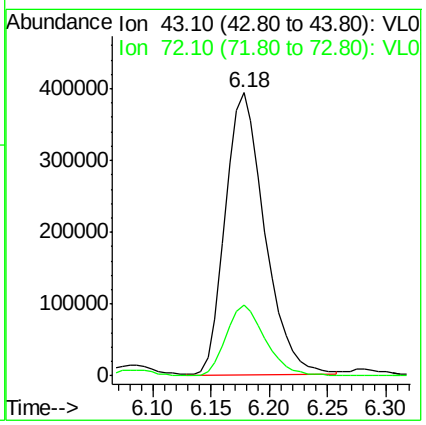


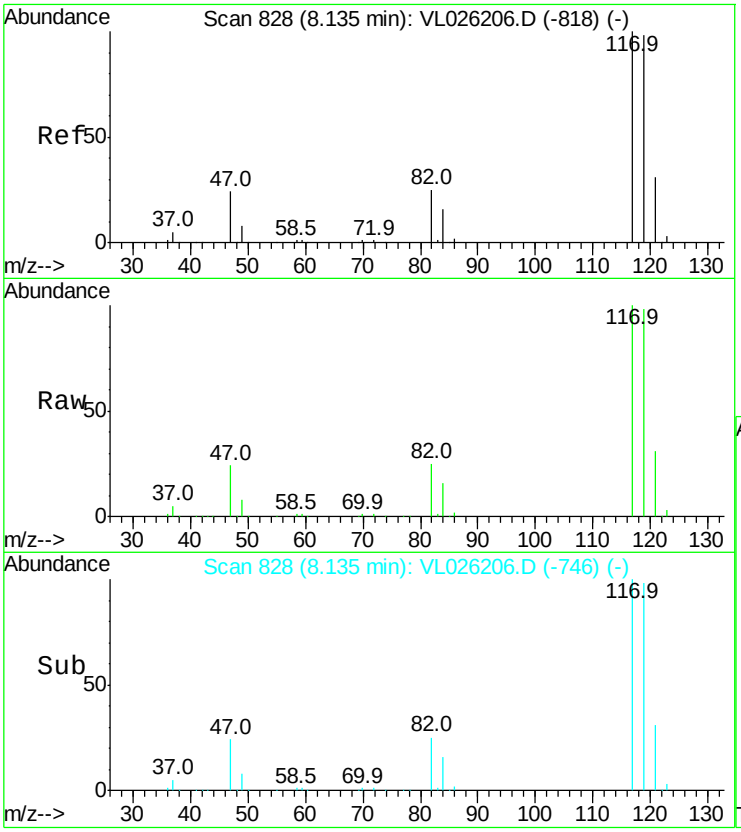


#34
2-Butanone
Concen: 9.29 ppbv
RT: 6.18 min Scan# 507
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 43 Resp: 926713

Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.3	30.5



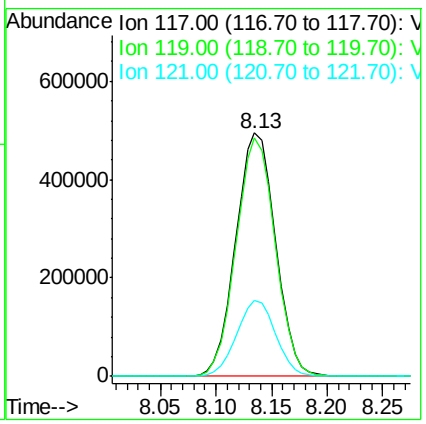


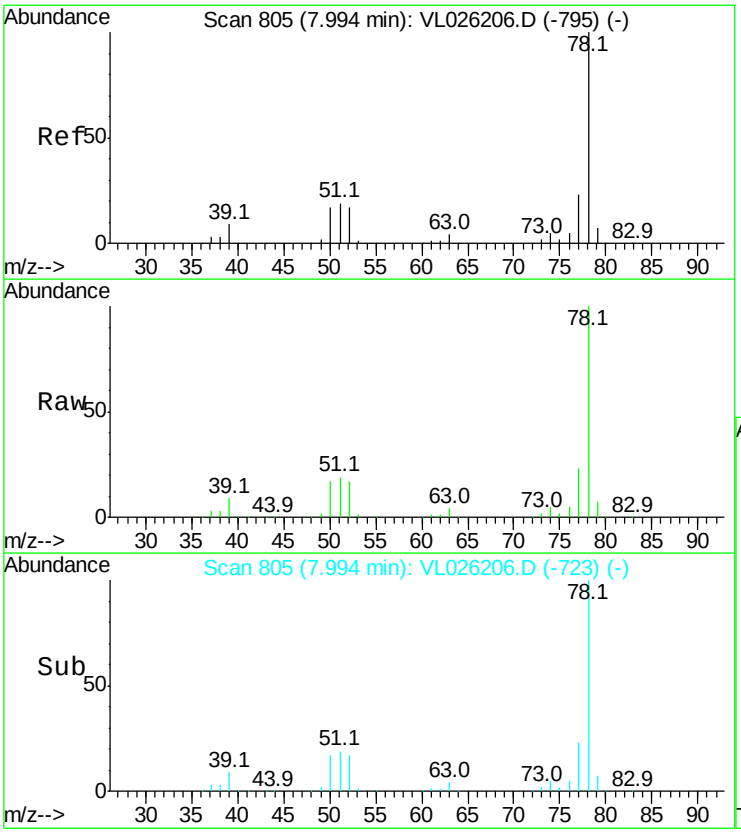
#35
Carbon Tetrachloride
Concen: 10.82 ppbv
RT: 8.13 min Scan# 828
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1229167

Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.3	117.5
121	31.3	25.0	37.6

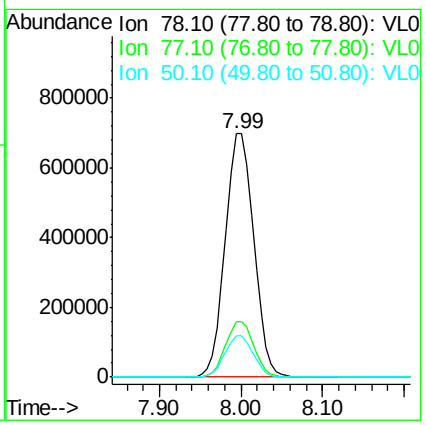


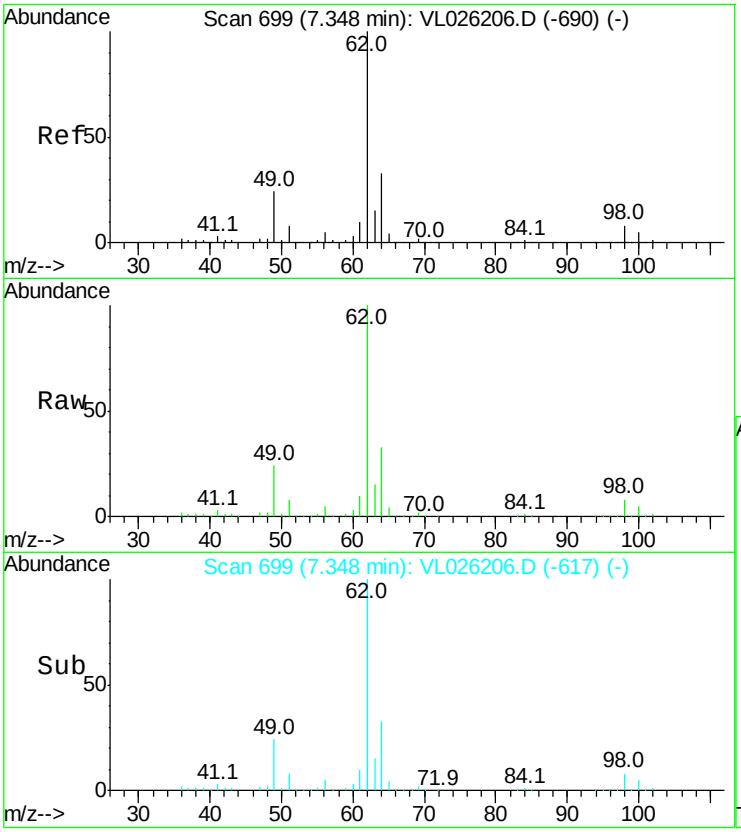


#36
Benzene
Concen: 9.87 ppbv
RT: 7.99 min Scan# 805
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 78 Resp: 1692404

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.1	27.1
50	16.7	13.4	20.0



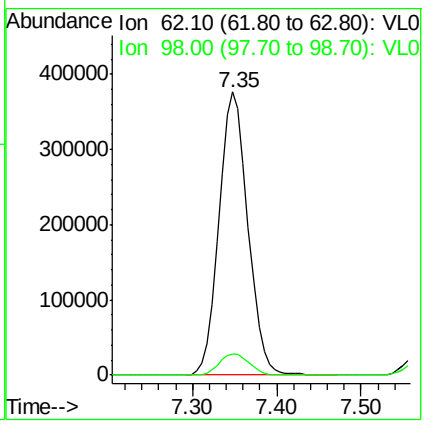


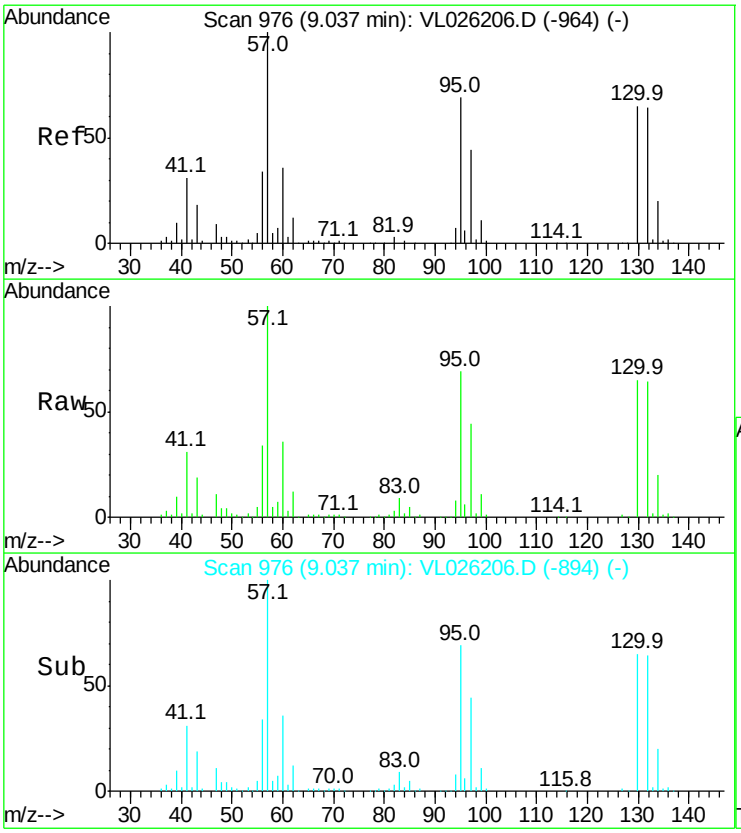
#37
1,2-Dichloroethane
Concen: 9.62 ppbv
RT: 7.35 min Scan# 699
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 883023

Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.2	9.4

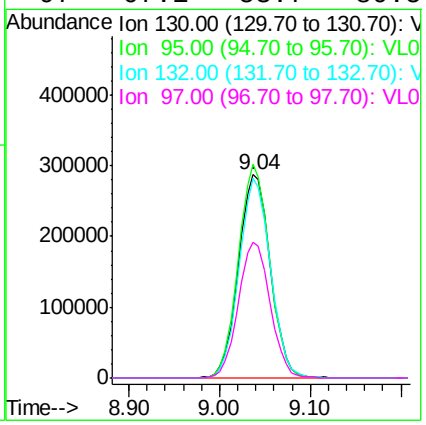


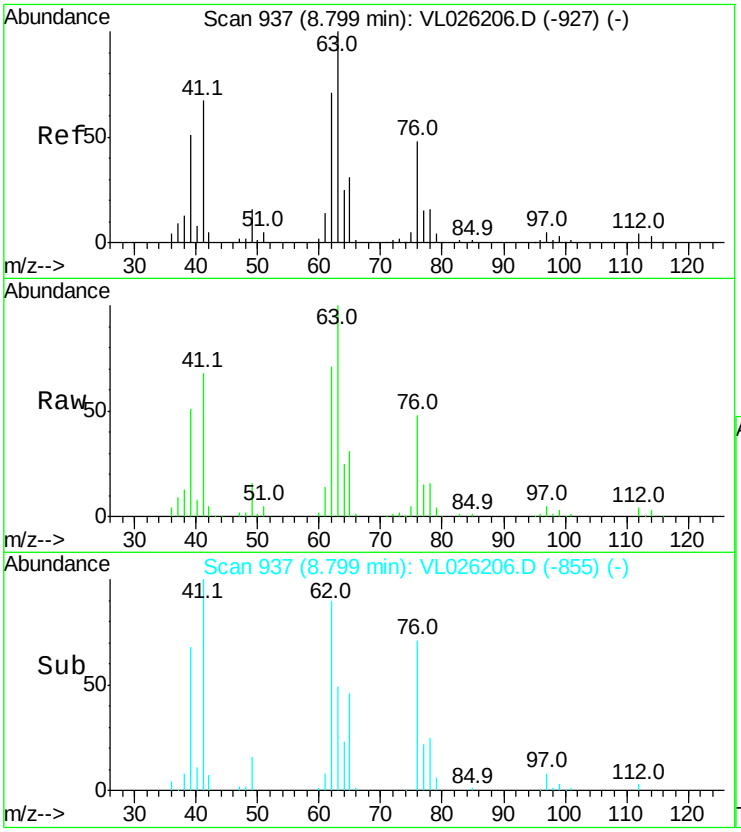


#38
Trichloroethene
Concen: 8.91 ppbv
RT: 9.04 min Scan# 976
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:130 Resp: 701204

Ion	Ratio	Lower	Upper
130	100		
95	105.2	84.2	126.2
132	98.1	78.5	117.7
97	67.1	53.7	80.5



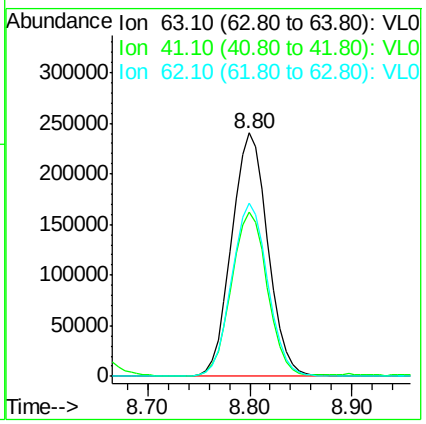


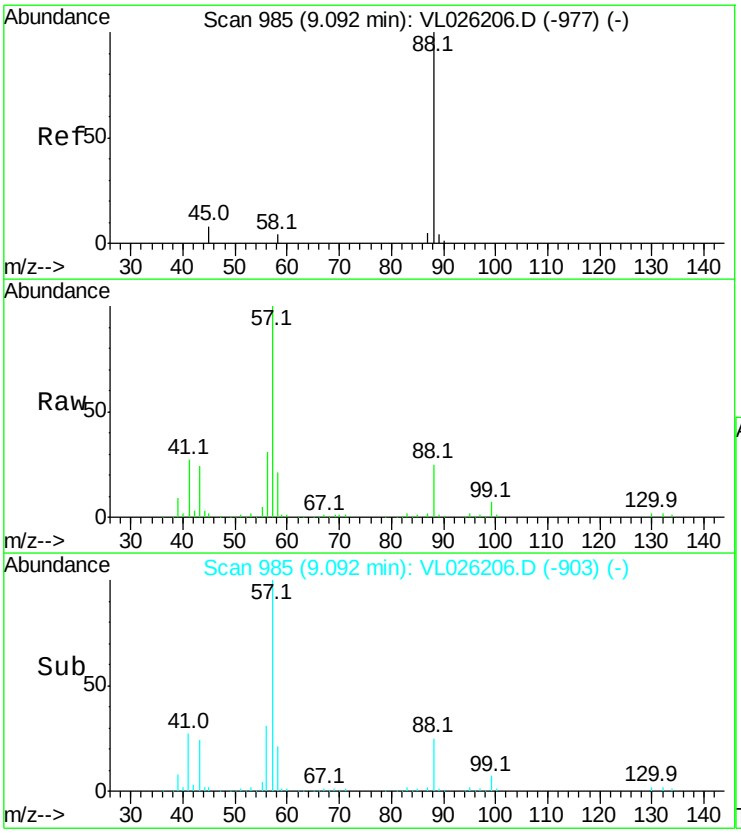
#39
1,2-Dichloropropane
Concen: 9.29 ppbv
RT: 8.80 min Scan# 937
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 591733

Ion	Ratio	Lower	Upper
63	100		
41	67.5	54.0	81.0
62	70.9	56.7	85.1

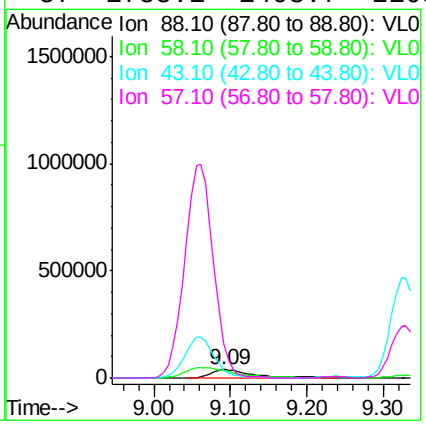


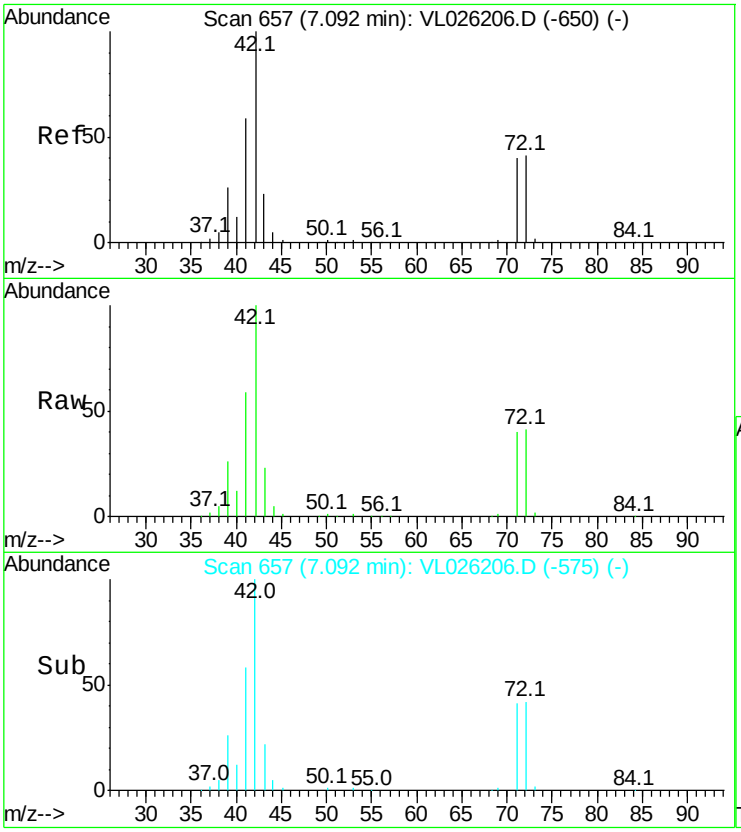


#40
1,4-Dioxane
Concen: 14.30 ppbv
RT: 9.09 min Scan# 985
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 88 Resp: 149934

Ion	Ratio	Lower	Upper
88	100		
58	144.9	117.0	175.4
43	349.2	278.7	418.1
57	1755.1	1403.7	2105.5



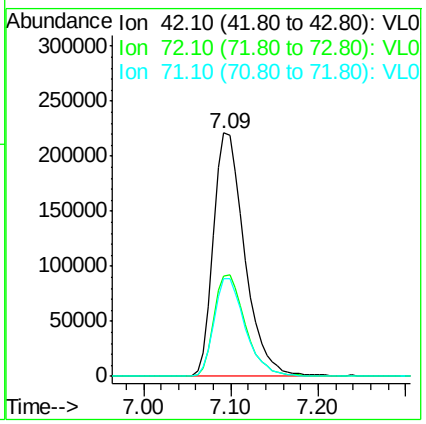


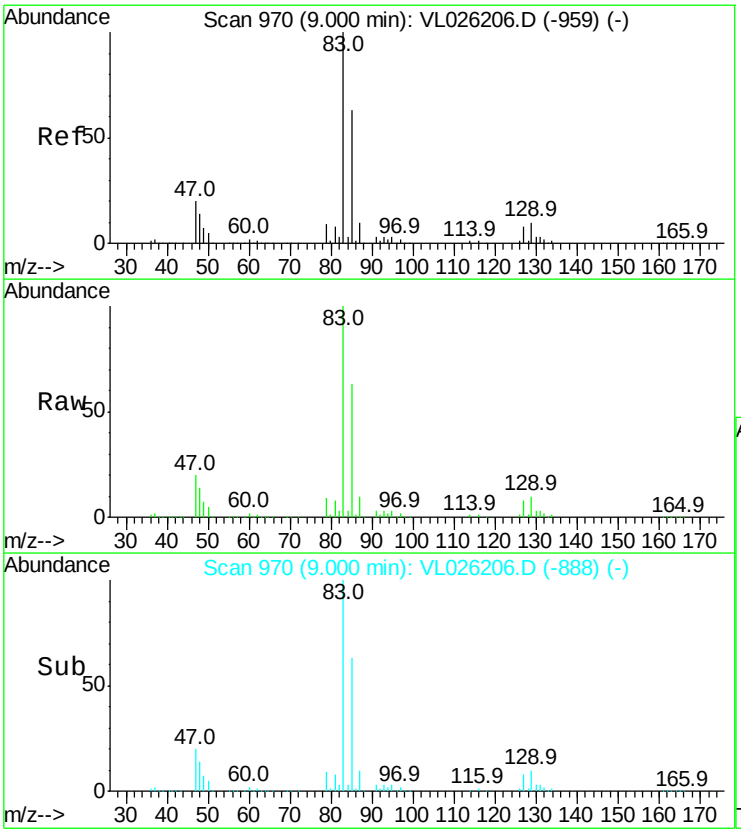
#41
Tetrahydrofuran
Concen: 9.79 ppbv
RT: 7.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 549833

Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	40.4	32.3	48.5

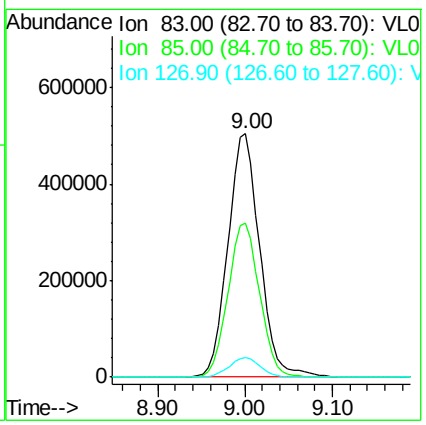


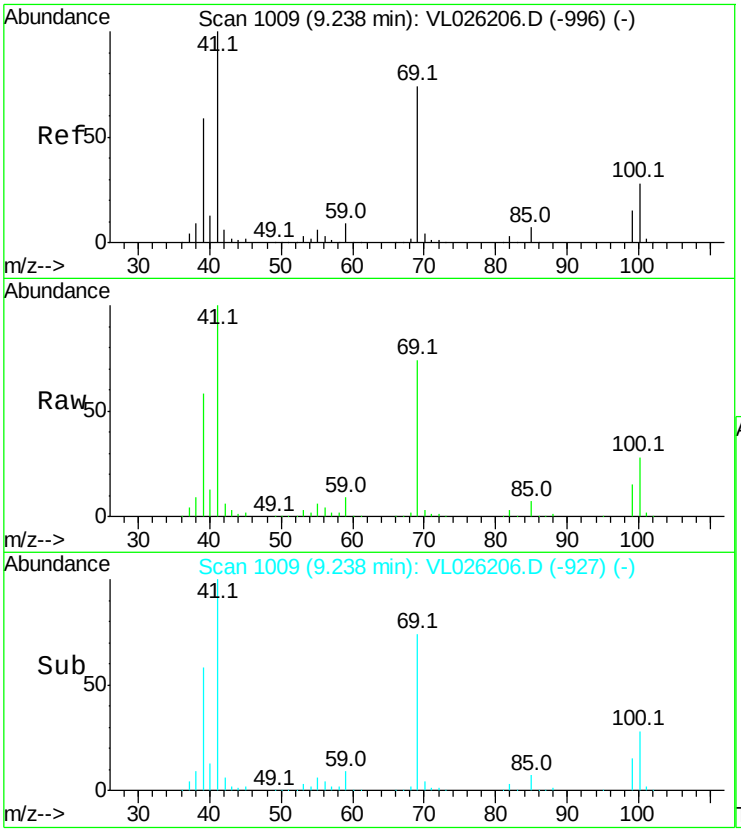


#42
Bromodichloromethane
Concen: 10.56 ppbv
RT: 9.00 min Scan# 970
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 83 Resp: 1275829

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	8.1	6.5	9.7



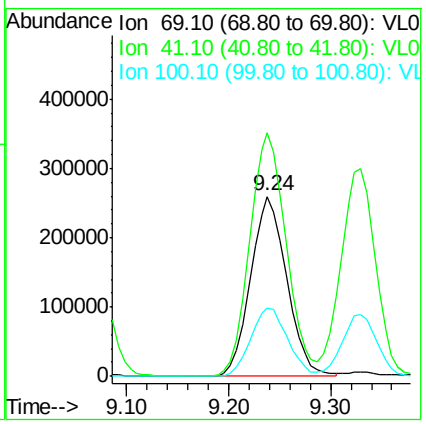


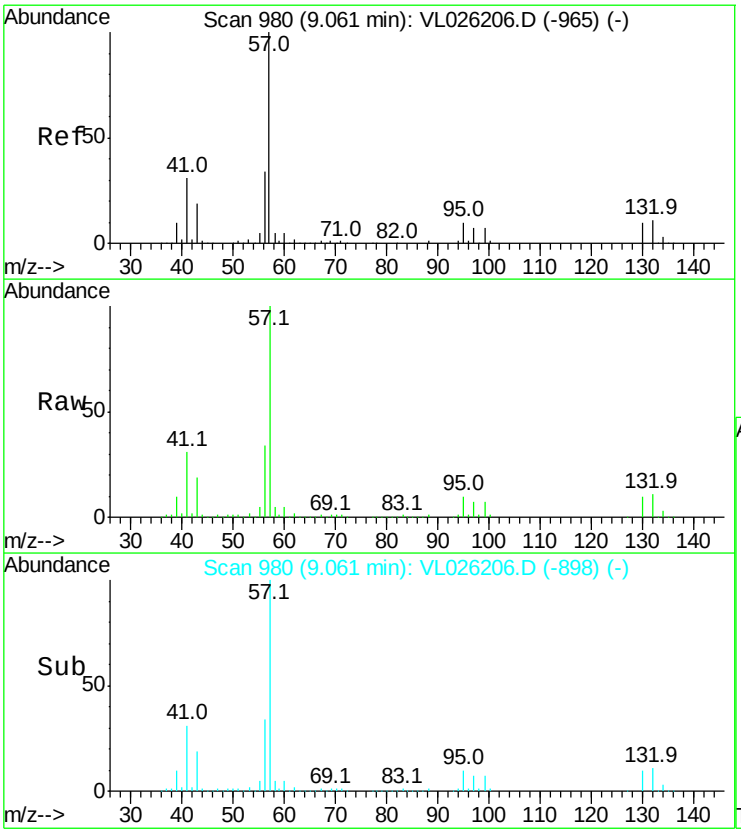
#43
Methyl Methacrylate
Concen: 10.60 ppbv
RT: 9.24 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 639815

Ion	Ratio	Lower	Upper
69	100		
41	136.2	110.3	165.5
100	38.8	31.4	47.2

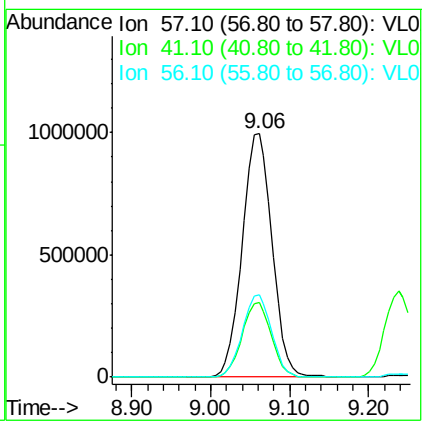


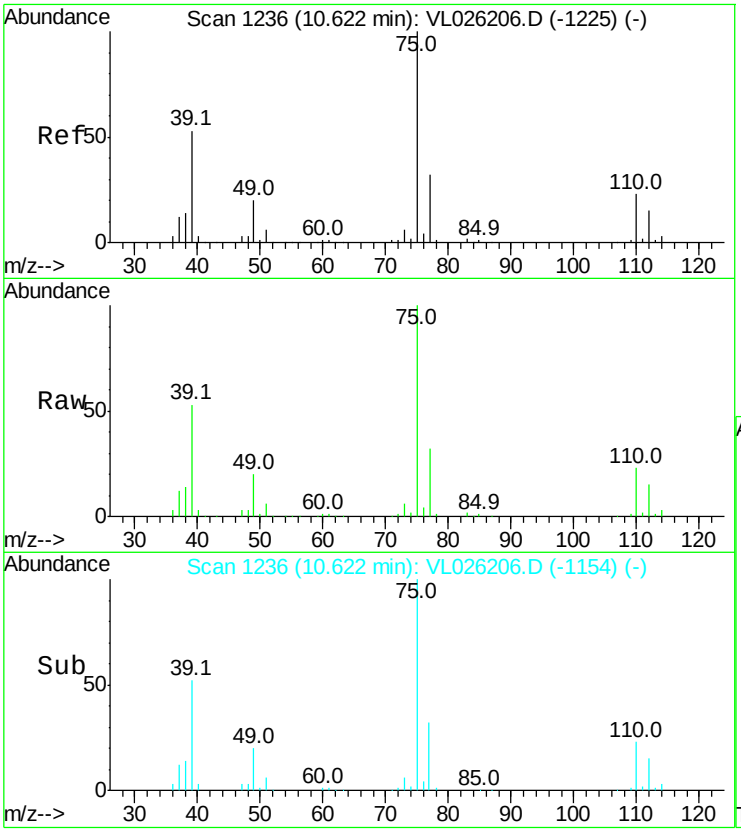


#44
2,2,4-Trimethylpentane
Concen: 9.20 ppbv
RT: 9.06 min Scan# 980
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 57 Resp: 2622256

Ion	Ratio	Lower	Upper
57	100		
41	30.0	24.0	36.0
56	33.2	26.5	39.7



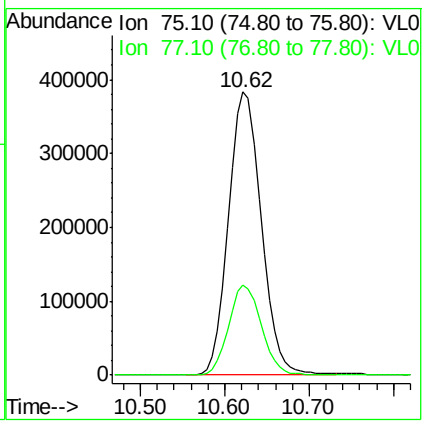


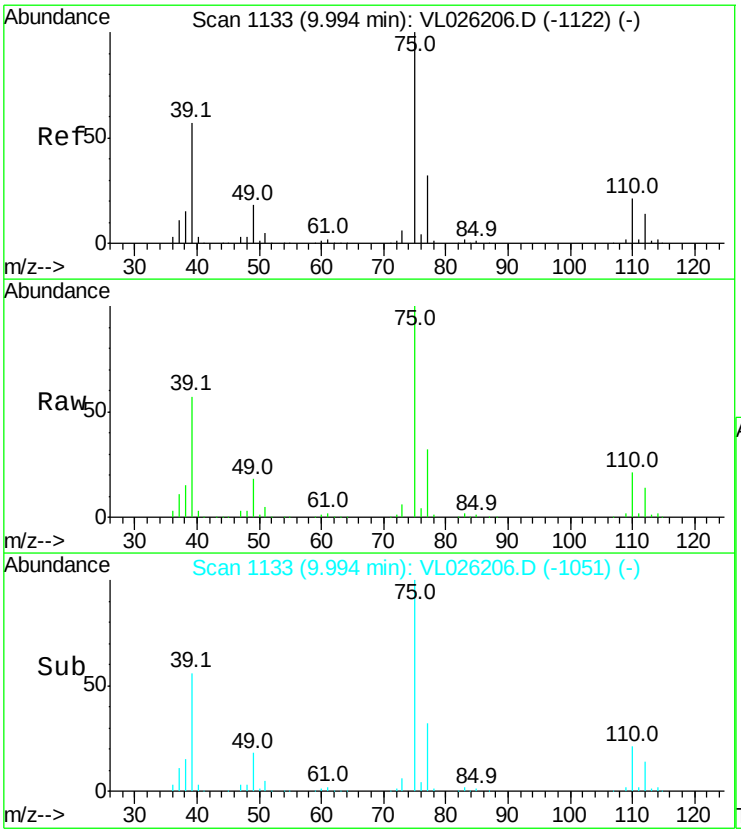
#45
t-1,3-Dichloropropene
Concen: 12.21 ppbv
RT: 10.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1014981

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

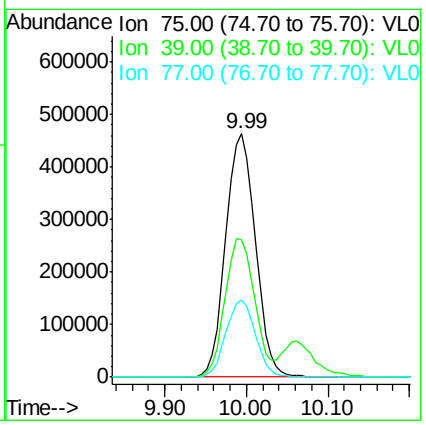


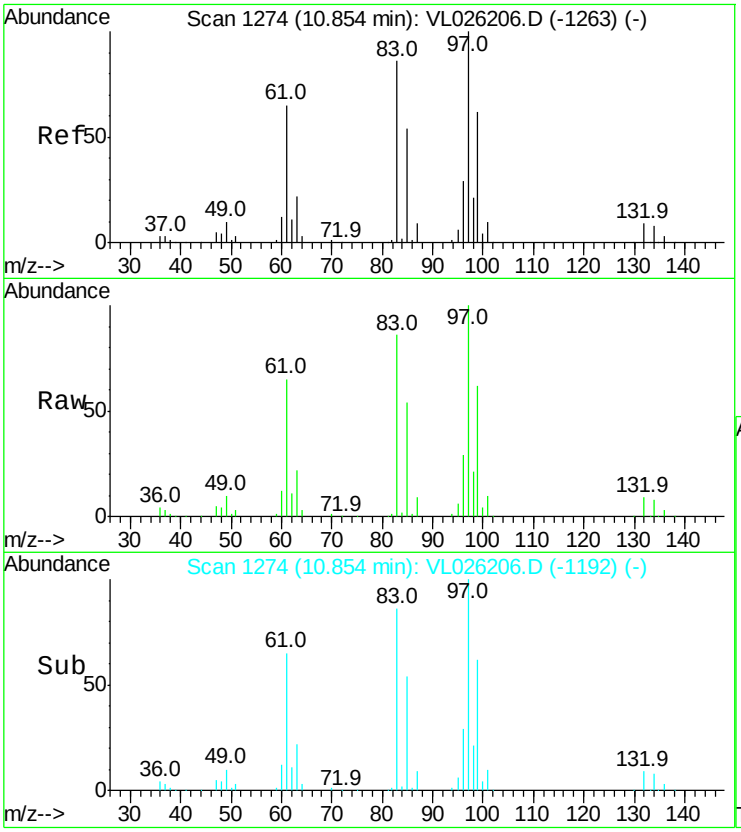


#46
cis-1,3-Dichloropropene
Concen: 11.43 ppbv
RT: 9.99 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 75 Resp: 1166487

Ion	Ratio	Lower	Upper
75	100		
39	56.6	45.3	67.9
77	31.6	25.3	37.9



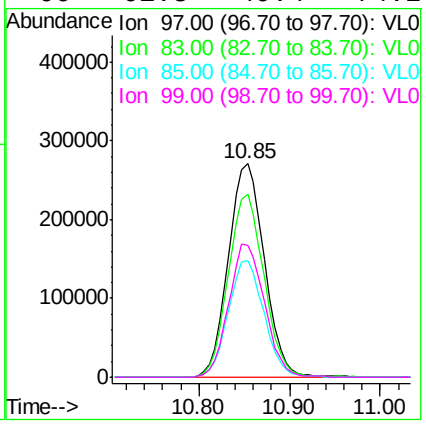


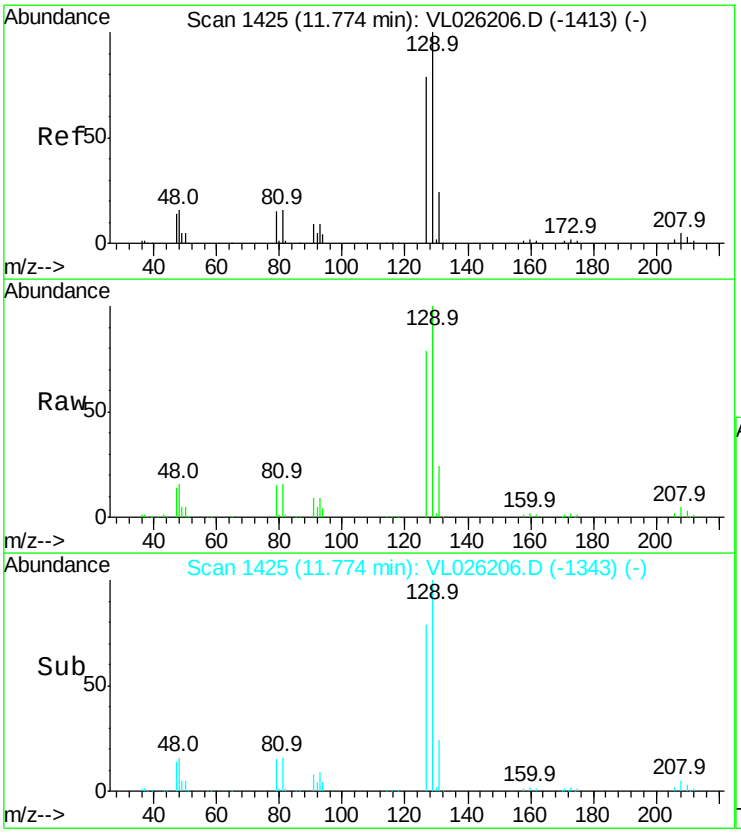
#47
1,1,2-Trichloroethane
Concen: 9.80 ppbv
RT: 10.85 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 748269

Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.6	103.0
85	54.4	43.5	65.3
99	61.8	49.4	74.2

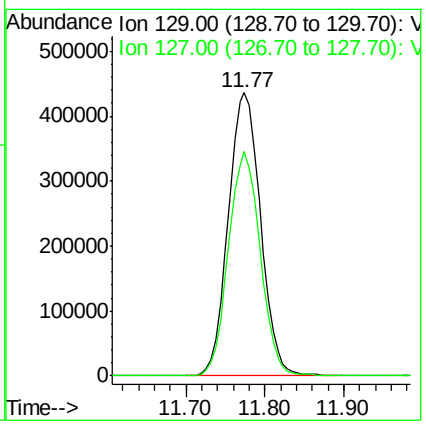


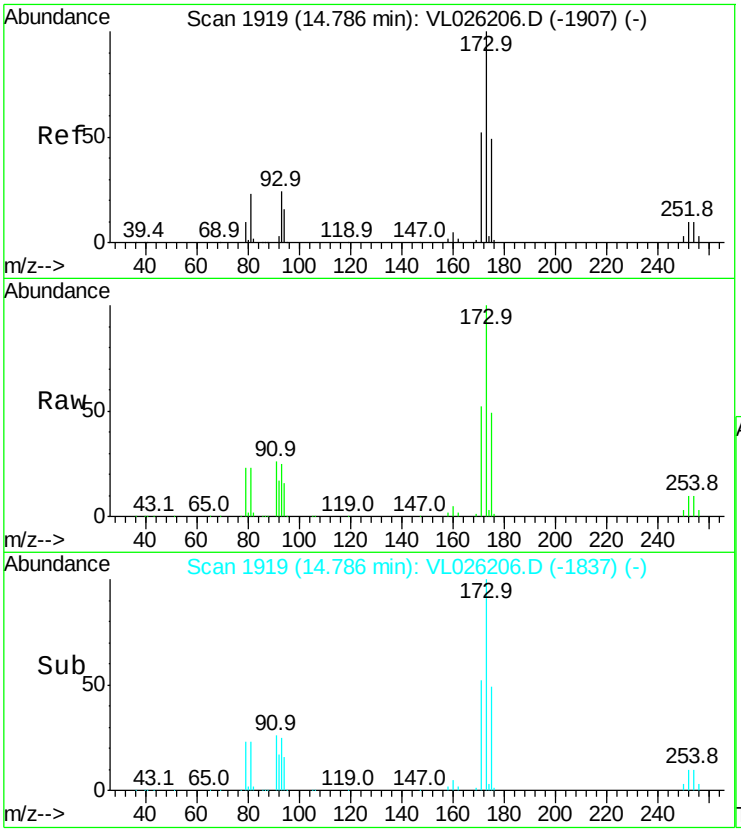


#48
Dibromochloromethane
Concen: 11.48 ppbv
RT: 11.77 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:129 Resp: 1243454

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.2	117.6



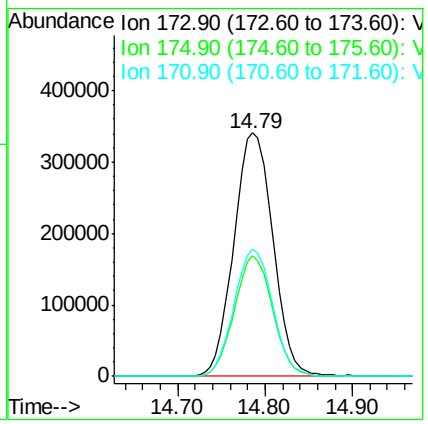


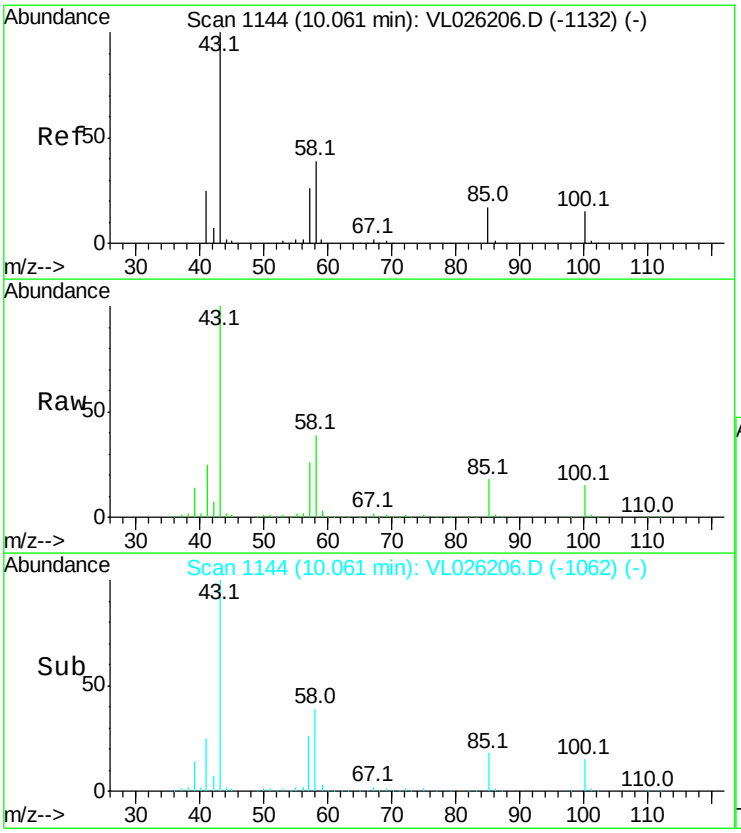
#49
Bromoform
Concen: 13.04 ppbv
RT: 14.79 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:173 Resp: 1063040

Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.7	58.1
171	51.7	41.4	62.0

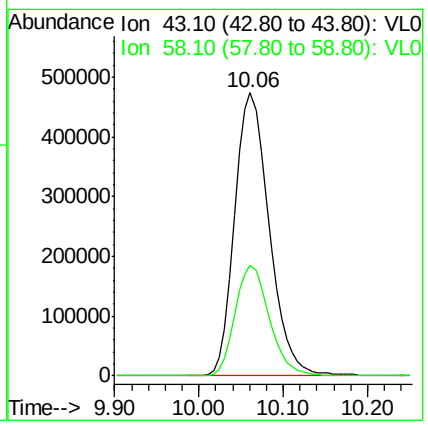


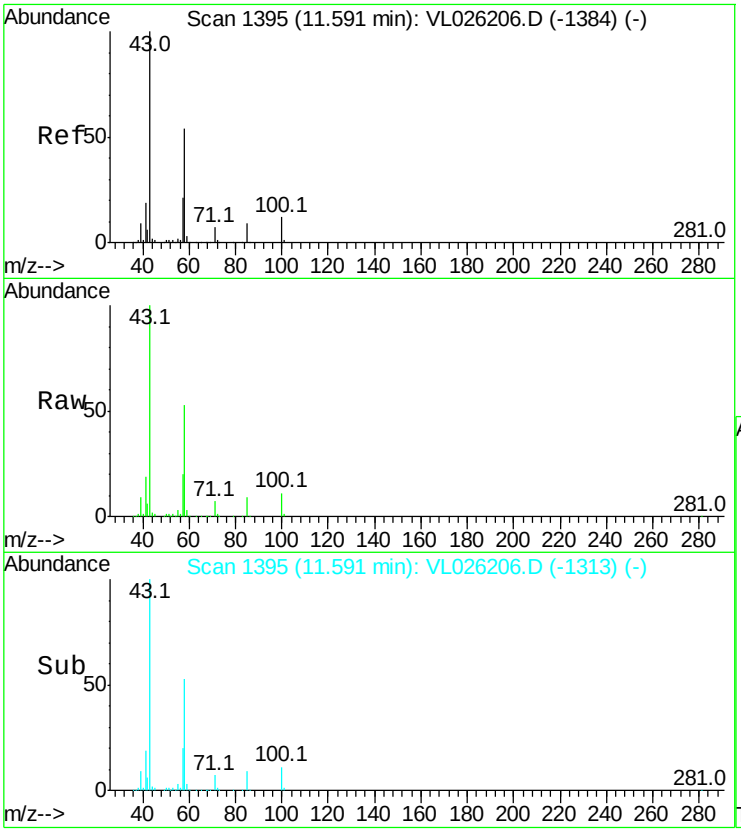


#50
4-Methyl-2-Pentanone
Concen: 9.94 ppbv
RT: 10.06 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 43 Resp: 1311444

Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.3	46.9



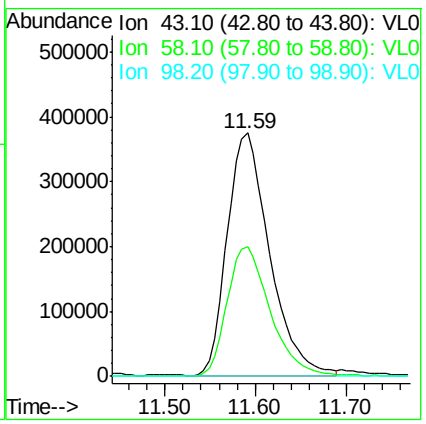


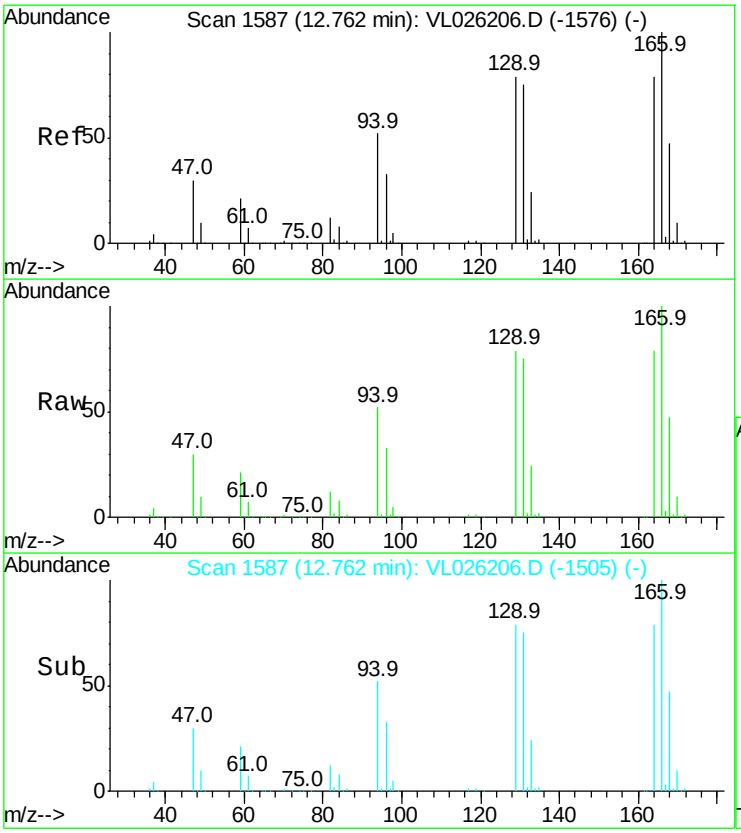
#51
2-Hexanone
Concen: 10.23 ppbv
RT: 11.59 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1213898

Ion	Ratio	Lower	Upper
43	100		
58	54.9	43.8	65.8
98	0.1	0.1	0.1#

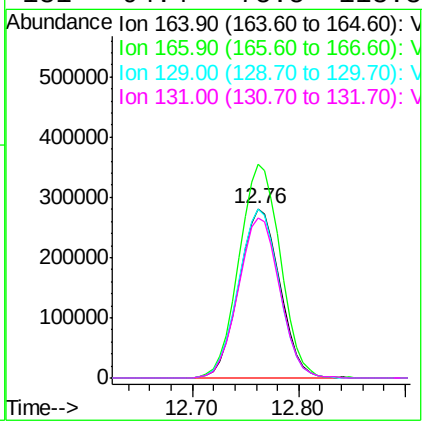


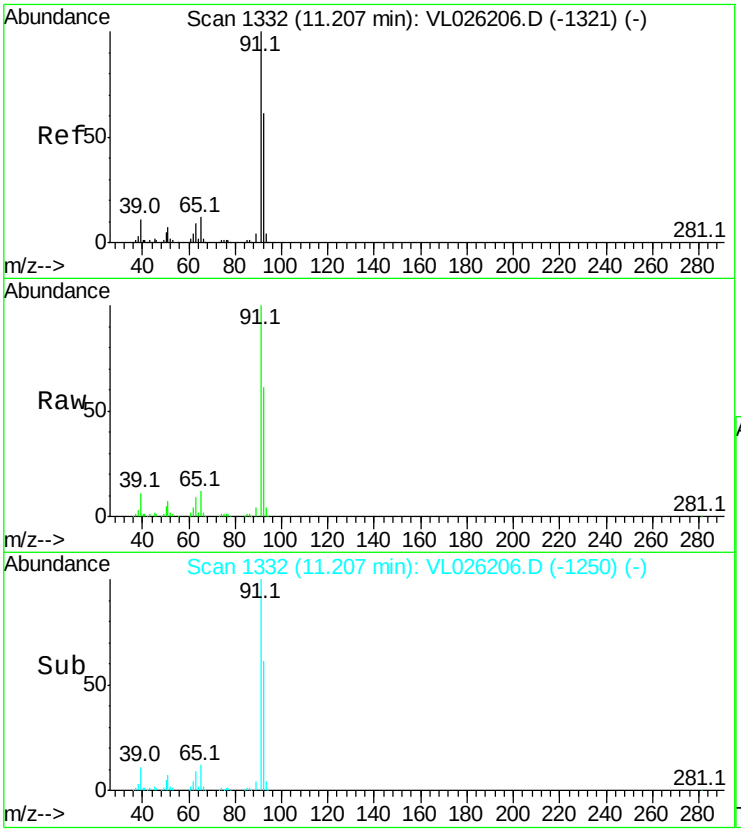


#52
Tetrachloroethene
Concen: 8.96 ppbv
RT: 12.76 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:164 Resp: 758445

Ion	Ratio	Lower	Upper
164	100		
166	126.1	100.9	151.3
129	99.6	79.7	119.5
131	94.4	75.5	113.3



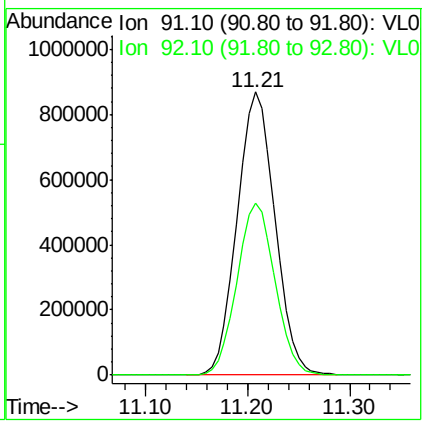


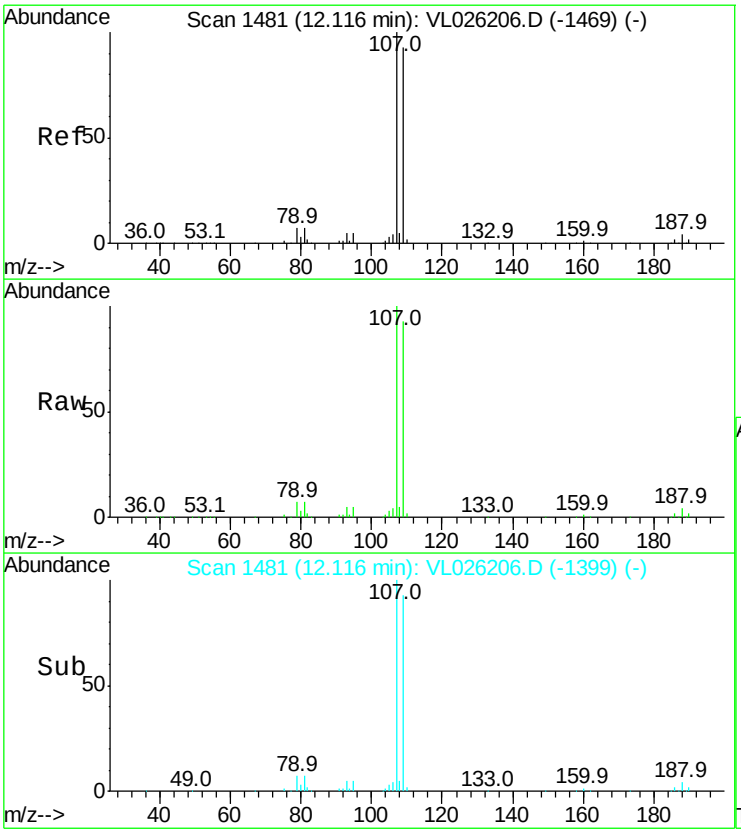
#53
Toluene
Concen: 10.16 ppbv
RT: 11.21 min Scan# 1332
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2244148

Ion	Ratio	Lower	Upper
91	100		
92	61.3	49.0	73.6

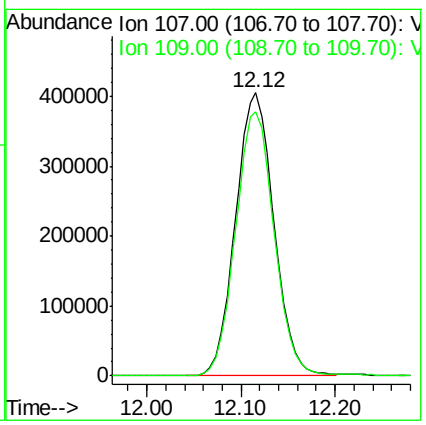


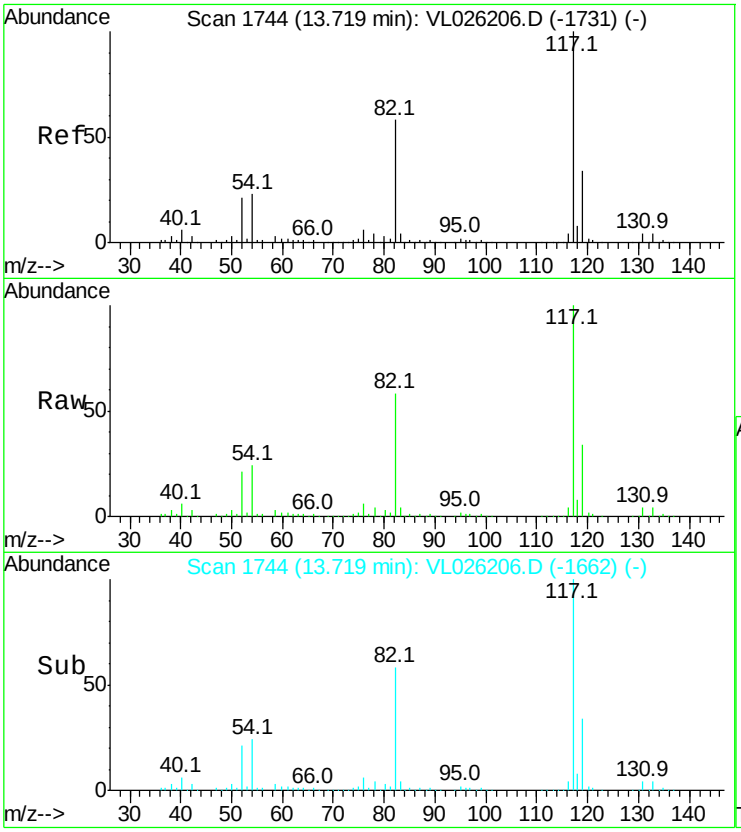


#54
1,2-Dibromoethane
Concen: 10.07 ppbv
RT: 12.12 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:107 Resp: 1152556

Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.6	112.0



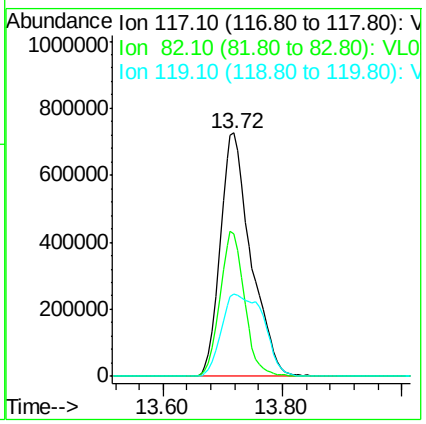


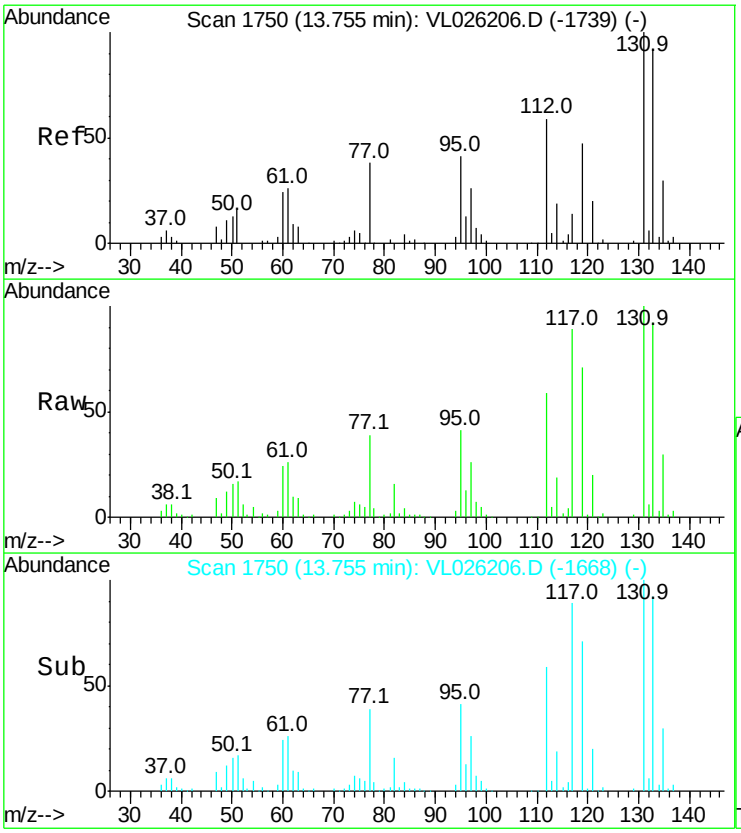
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.72 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2592067

Ion	Ratio	Lower	Upper
117	100		
82	48.2	46.3	69.5
119	46.8	45.0	67.4

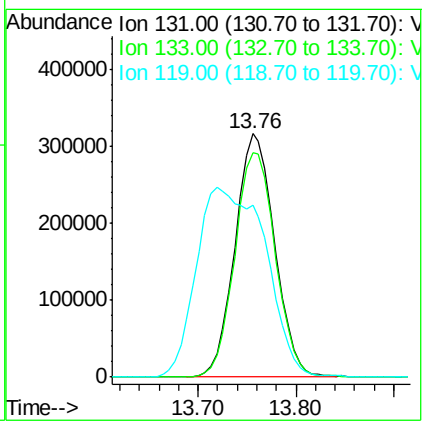


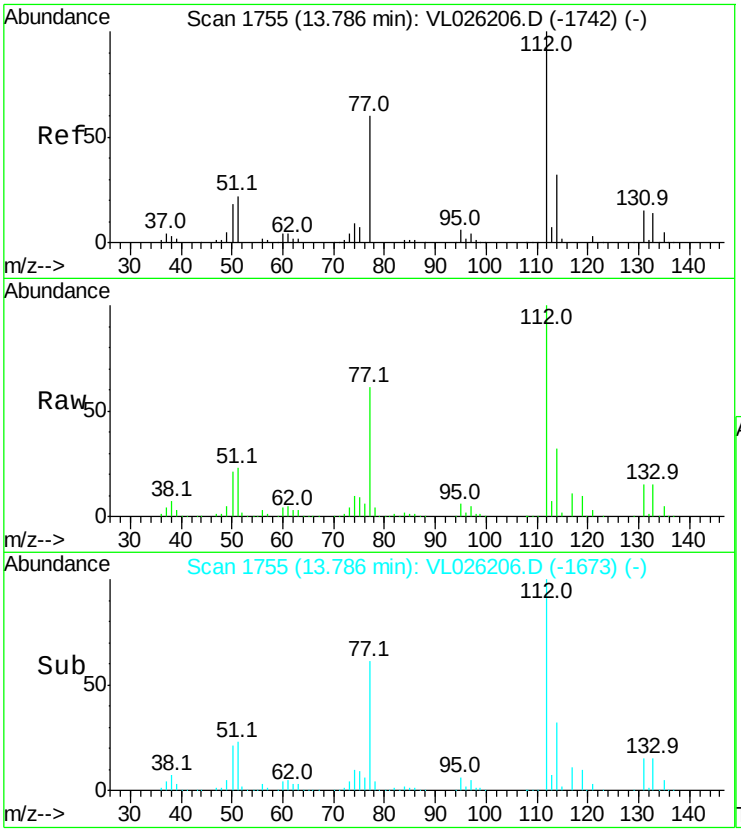


#56
1,1,1,2-Tetrachloroethane
Concen: 8.54 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:131 Resp: 887583

Ion	Ratio	Lower	Upper
131	100		
133	95.1	76.1	114.1
119	136.8	109.4	164.2



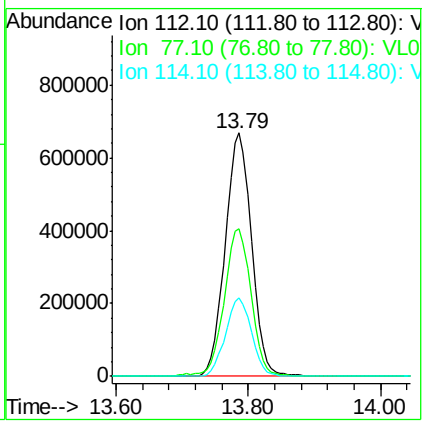


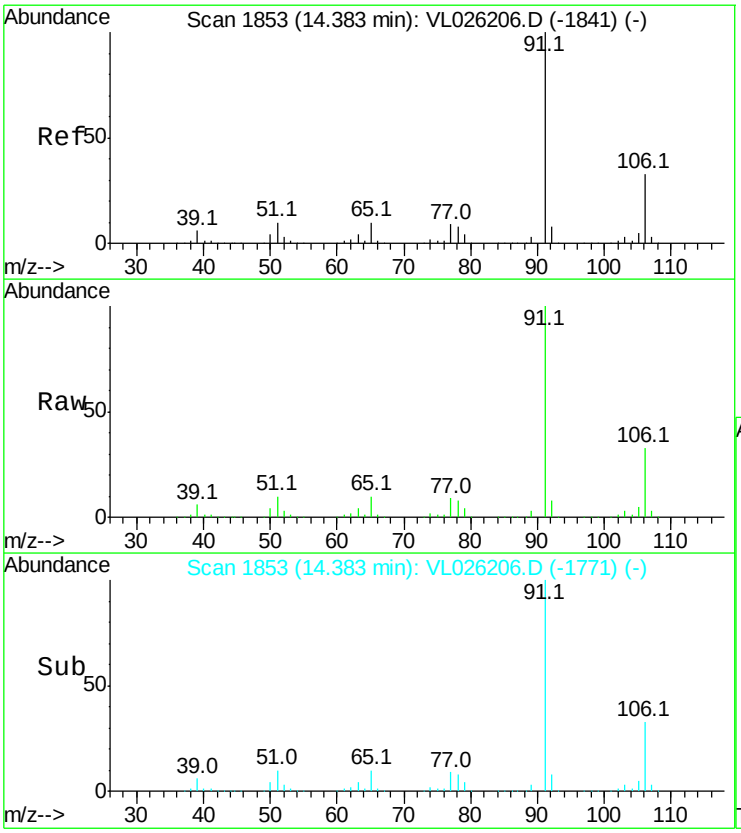
#57
Chlorobenzene
Concen: 7.89 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:112 Resp: 1846109

Ion	Ratio	Lower	Upper
112	100		
77	60.3	48.2	72.4
114	32.2	29.0	35.4

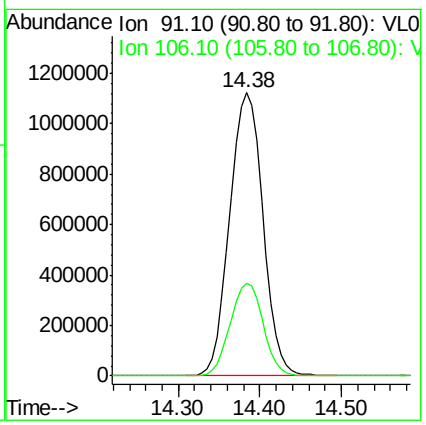


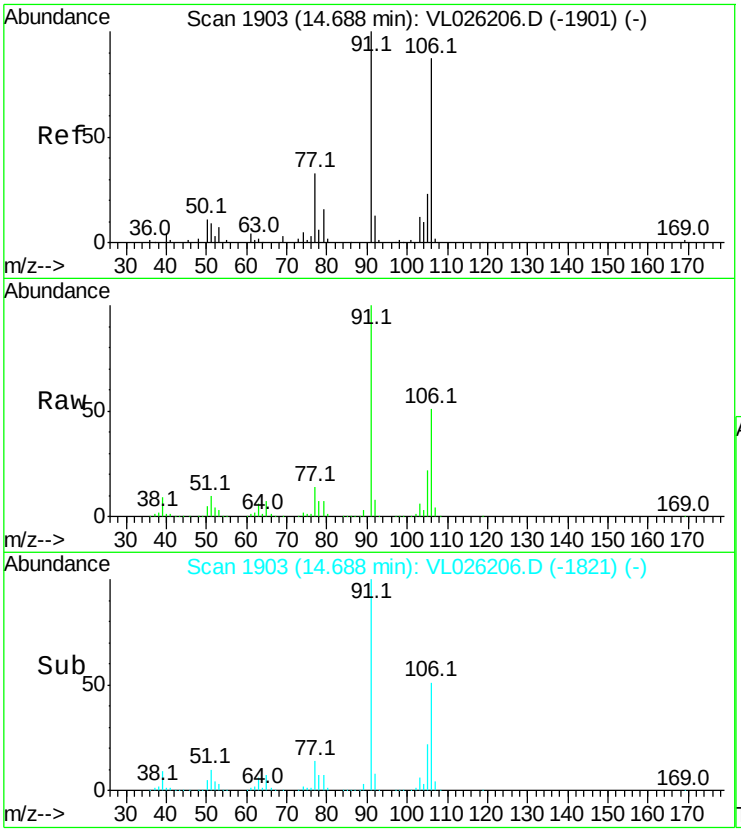


#58
Ethyl Benzene
Concen: 8.45 ppbv
RT: 14.38 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 91 Resp: 3181596

Ion	Ratio	Lower	Upper
91	100		
106	32.7	26.2	39.2



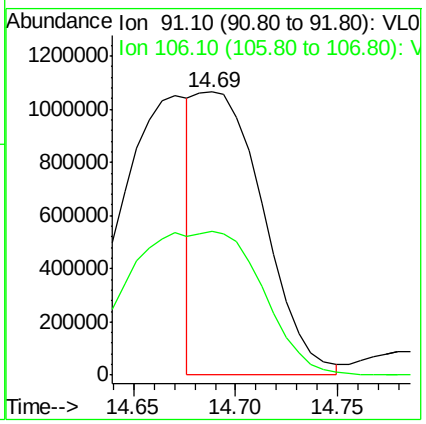


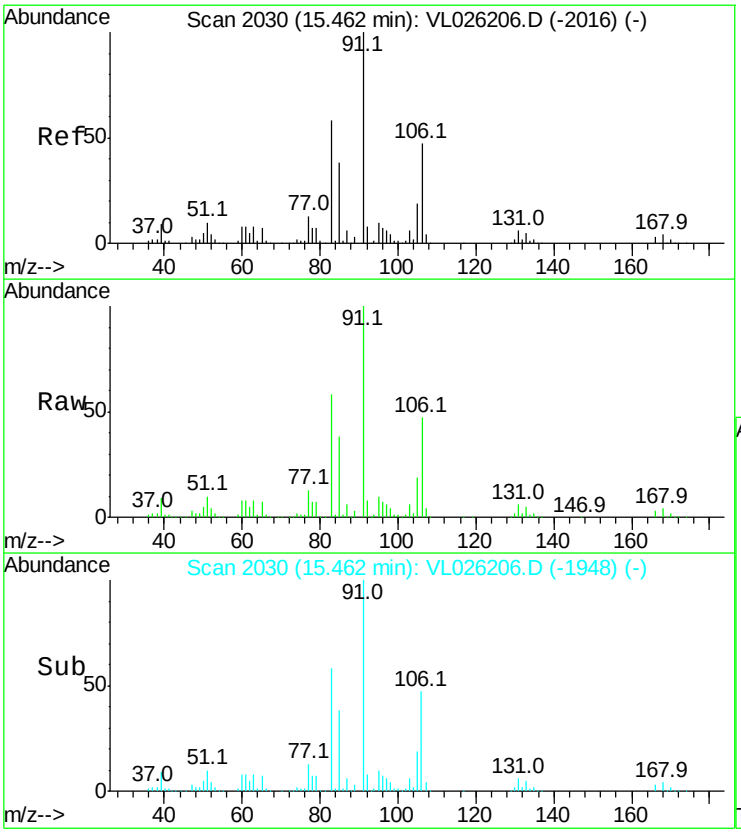
#59
m/p-Xylene
Concen: 8.09 ppbv
RT: 14.69 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2445332

Ion	Ratio	Lower	Upper
91	100		
106	102.4	40.6	60.8#

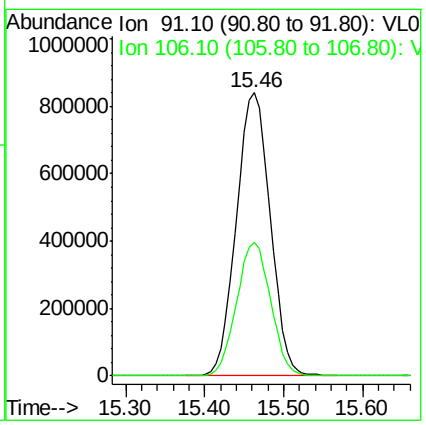


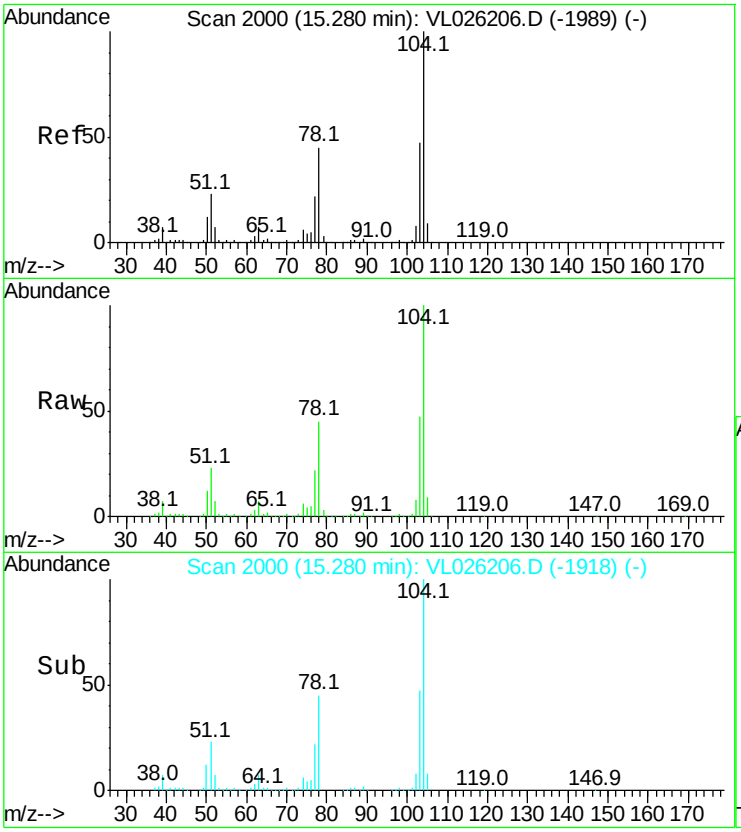


#60
o-Xylene
Concen: 7.95 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 91 Resp: 2516913

Ion	Ratio	Lower	Upper
91	100		
106	47.3	23.6	71.0



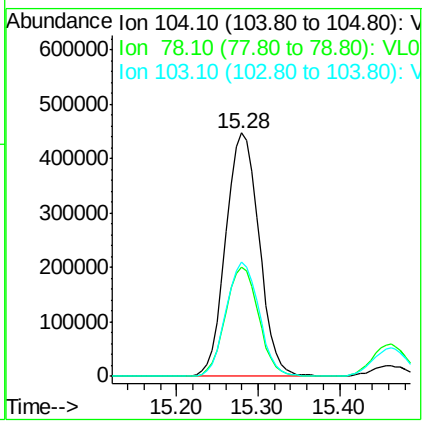


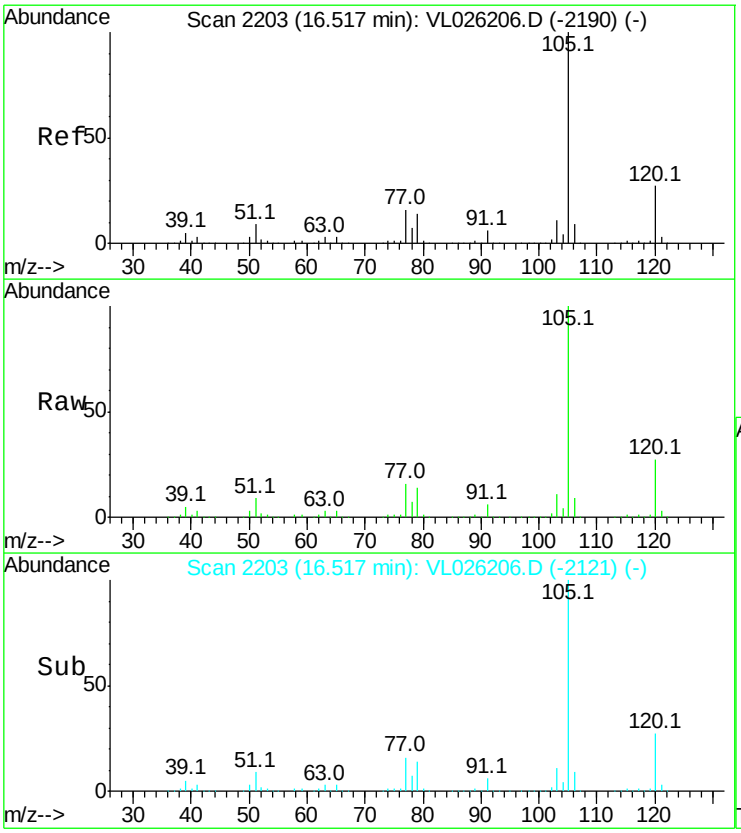
#61
Styrene
Concen: 9.79 ppbv
RT: 15.28 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:104 Resp: 1268574

Ion	Ratio	Lower	Upper
104	100		
78	44.5	35.7	53.5
103	46.4	37.2	55.8

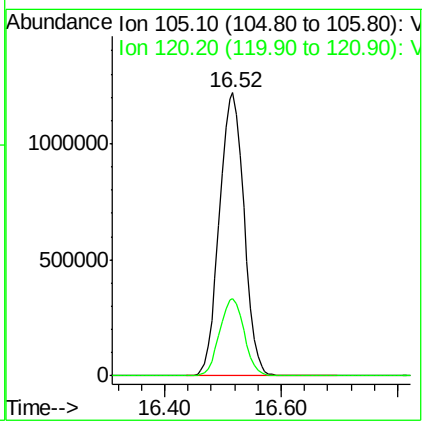


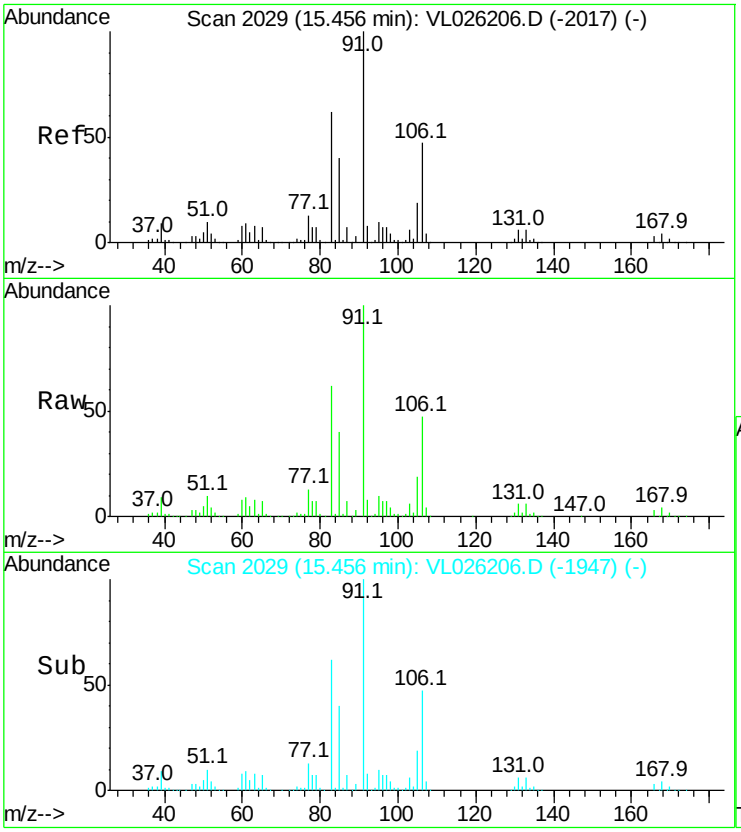


#62
Isopropylbenzene
Concen: 8.60 ppbv
RT: 16.52 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:105 Resp: 3591367

Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.8	32.6



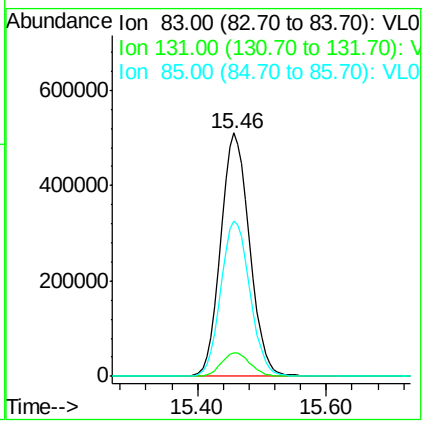


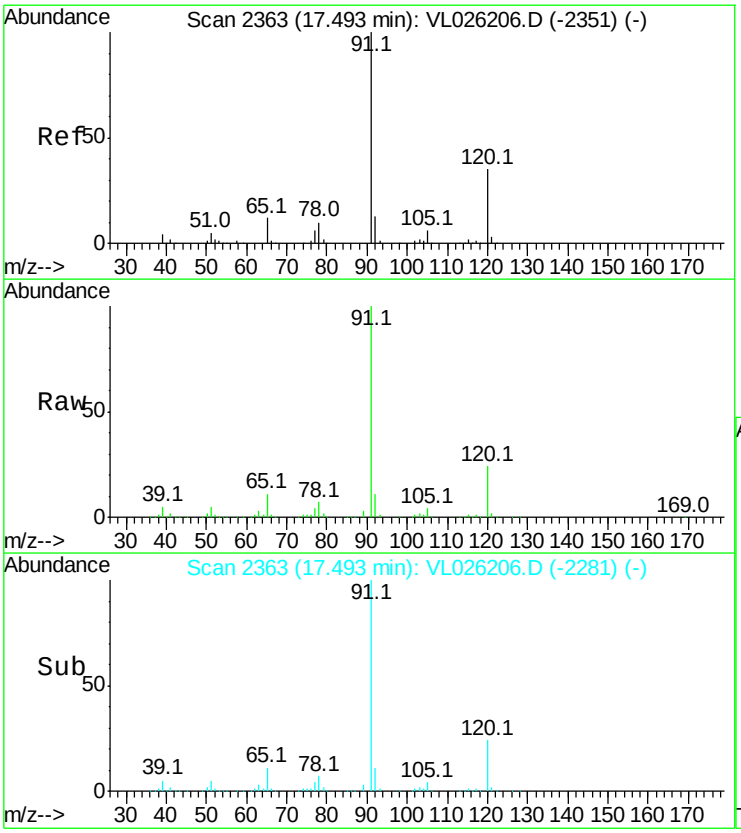
#63
1,1,2,2-Tetrachloroethane
Concen: 6.85 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1612024

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.6
85	64.5	32.3	96.8

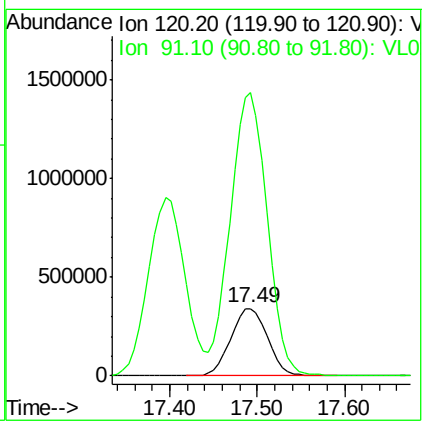


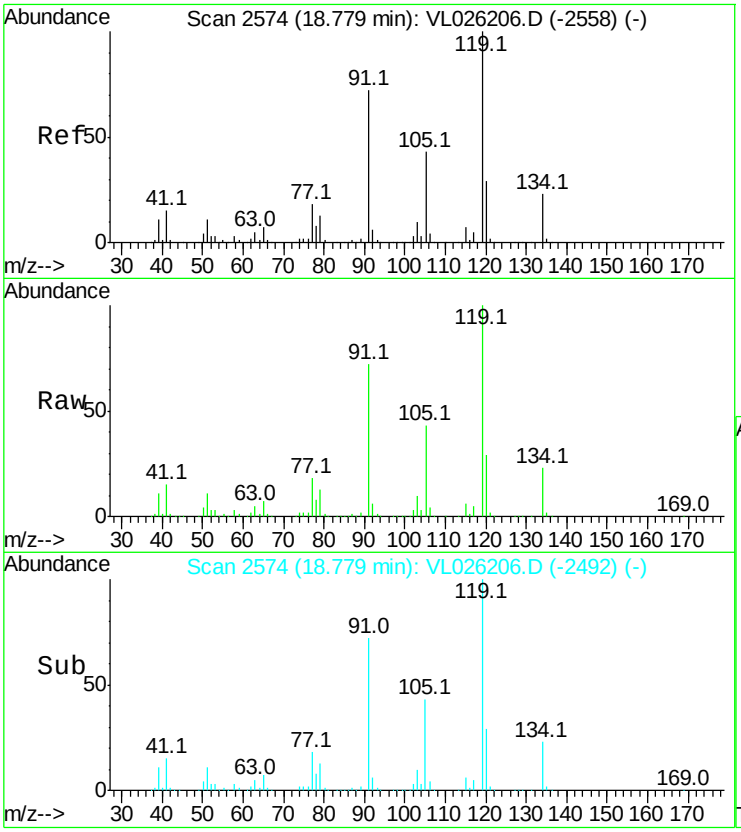


#64
n-propylbenzene
Concen: 8.87 ppbv
RT: 17.49 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:120 Resp: 997099

Ion	Ratio	Lower	Upper
120	100		
91	415.1	340.5	510.7



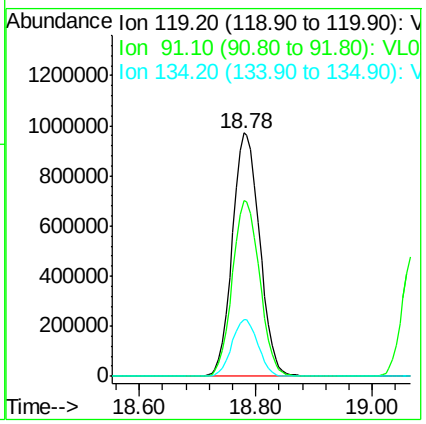


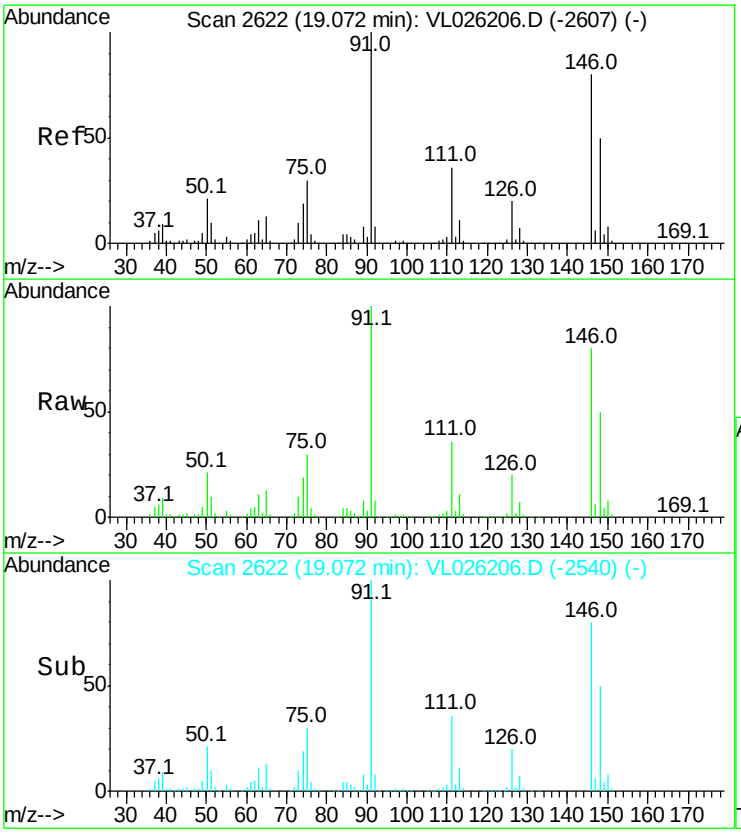
#65
tert-Butylbenzene
Concen: 8.57 ppbv
RT: 18.78 min Scan# 2574
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3156804

Ion	Ratio	Lower	Upper
119	100		
91	72.0	57.6	86.4
134	22.2	17.8	26.6

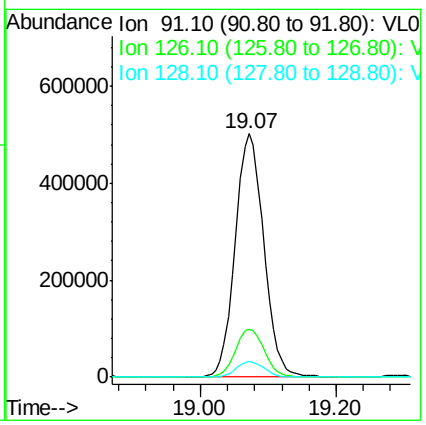


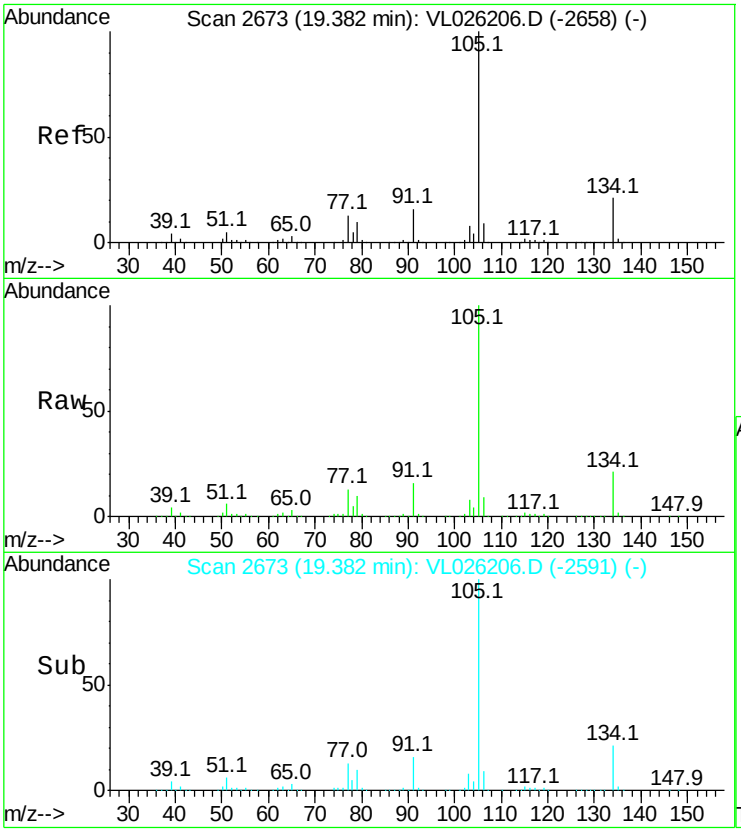


#66
Benzyl Chloride
Concen: 13.36 ppbv
RT: 19.07 min Scan# 2622
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 91 Resp: 1461441

Ion	Ratio	Lower	Upper
91	100		
126	20.1	16.1	24.1
128	6.4	5.1	7.7



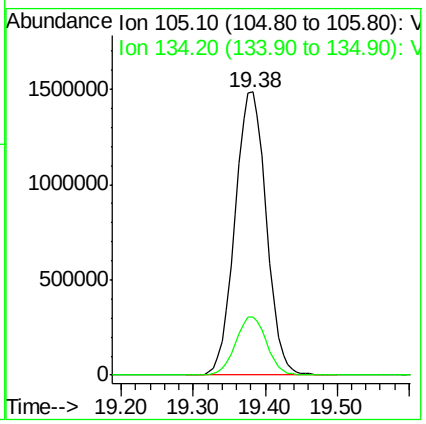


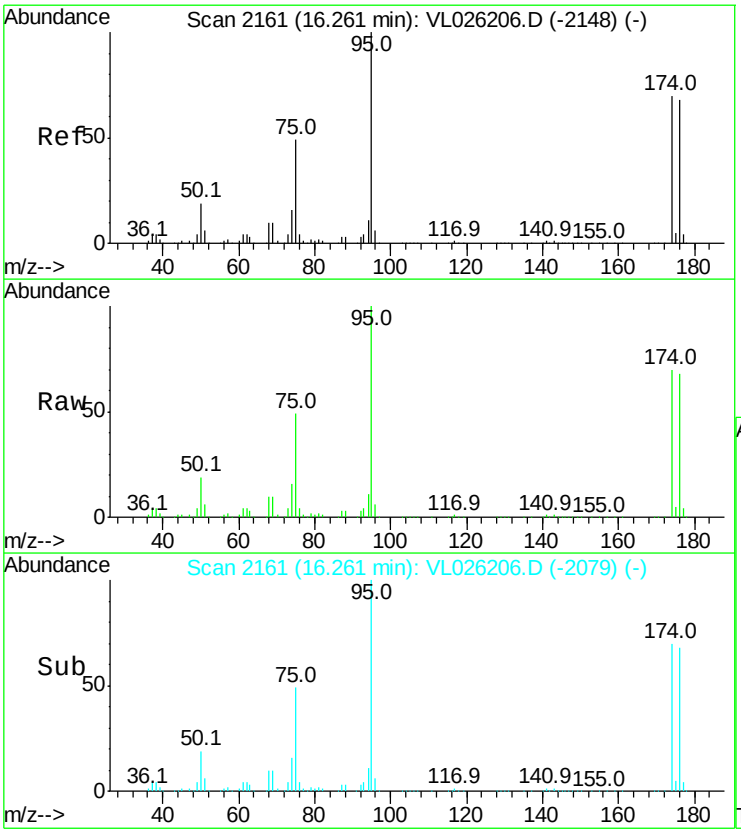
#67
sec-Butylbenzene
Concen: 8.75 ppbv
RT: 19.38 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4492280

Ion	Ratio	Lower	Upper
105	100		
134	20.4	16.3	24.5

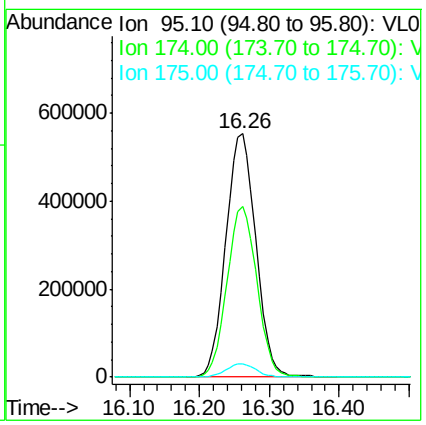


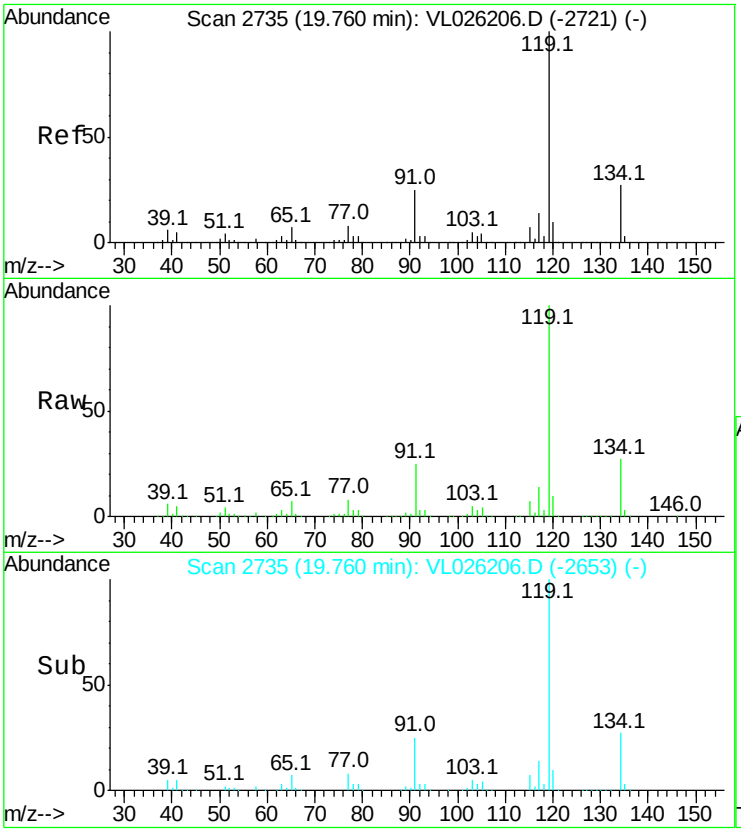


#68
1-Bromo-4-Fluorobenzene
Concen: 8.31 ppbv
RT: 16.26 min Scan# 2161
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 95 Resp: 1653304

Ion	Ratio	Lower	Upper
95	100		
174	70.2	56.2	84.2
175	5.4	4.3	6.5



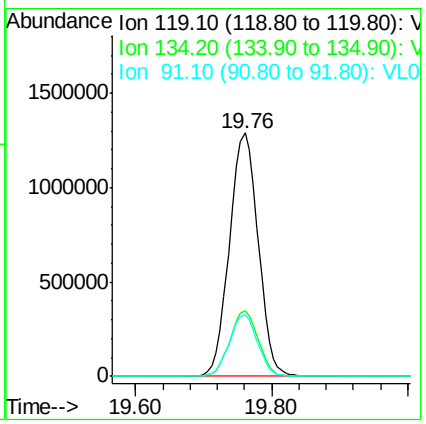


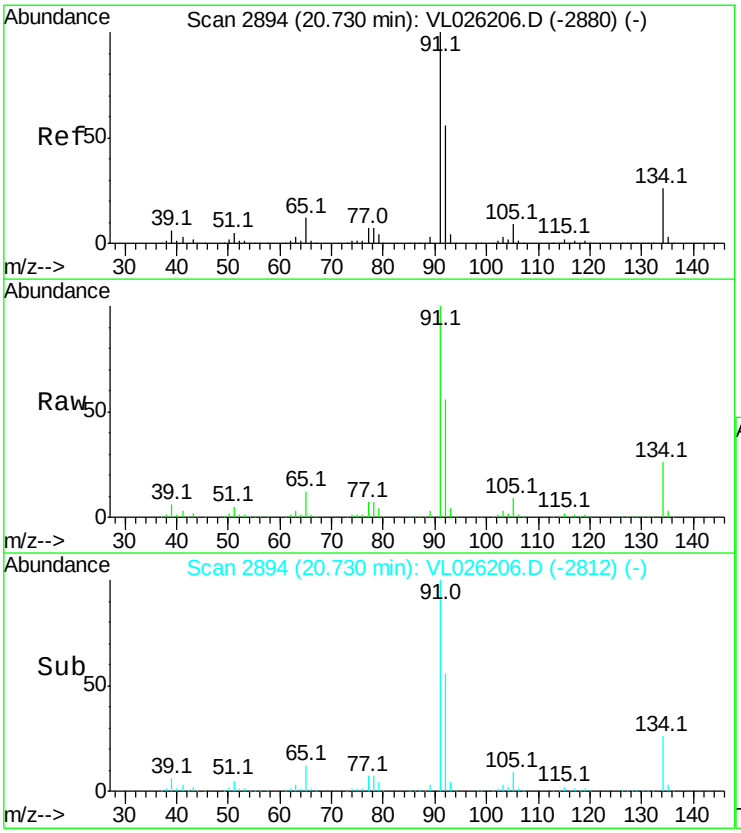
#69
p-Isopropyltoluene
Concen: 9.17 ppbv
RT: 19.76 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3766701

Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.4	32.0
91	24.8	19.8	29.8

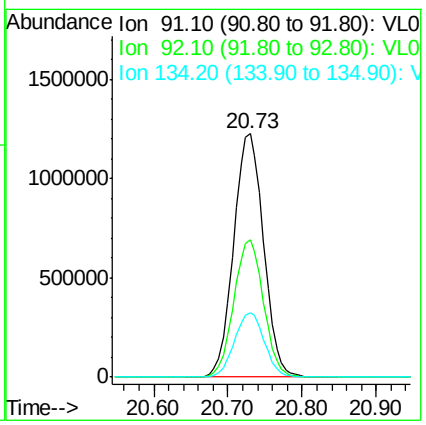


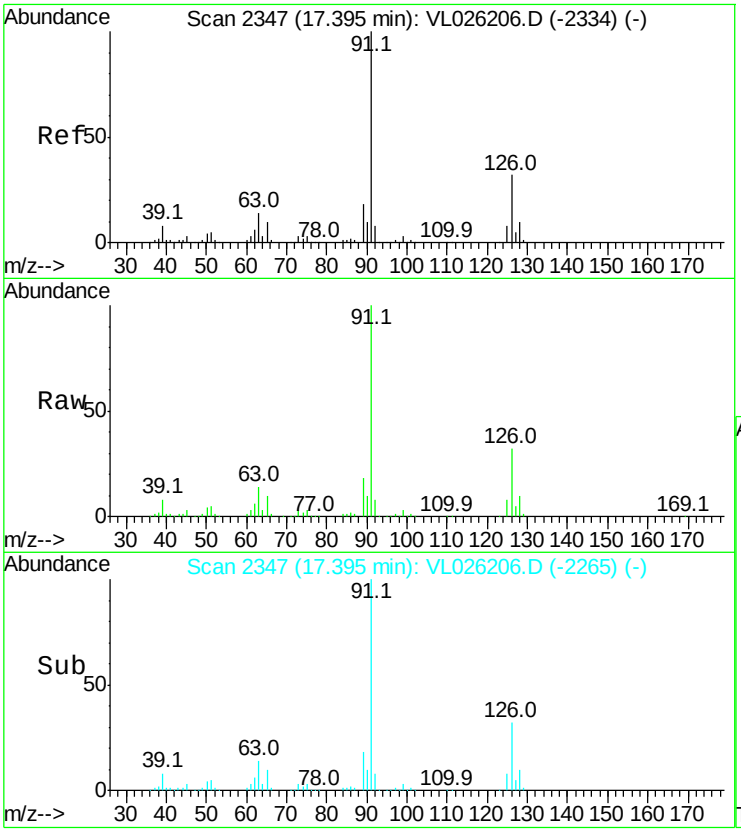


#70
n-Butylbenzene
Concen: 8.79 ppbv
RT: 20.73 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion: 91 Resp: 3459112

Ion	Ratio	Lower	Upper
91	100		
92	55.9	44.7	67.1
134	26.4	21.1	31.7



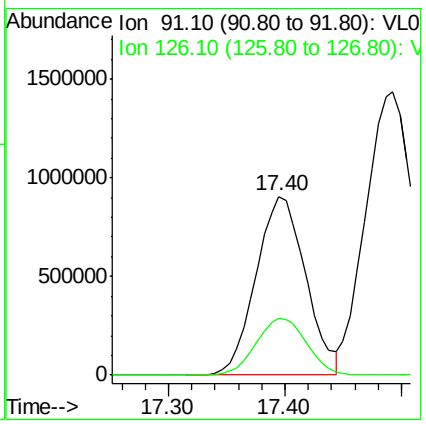


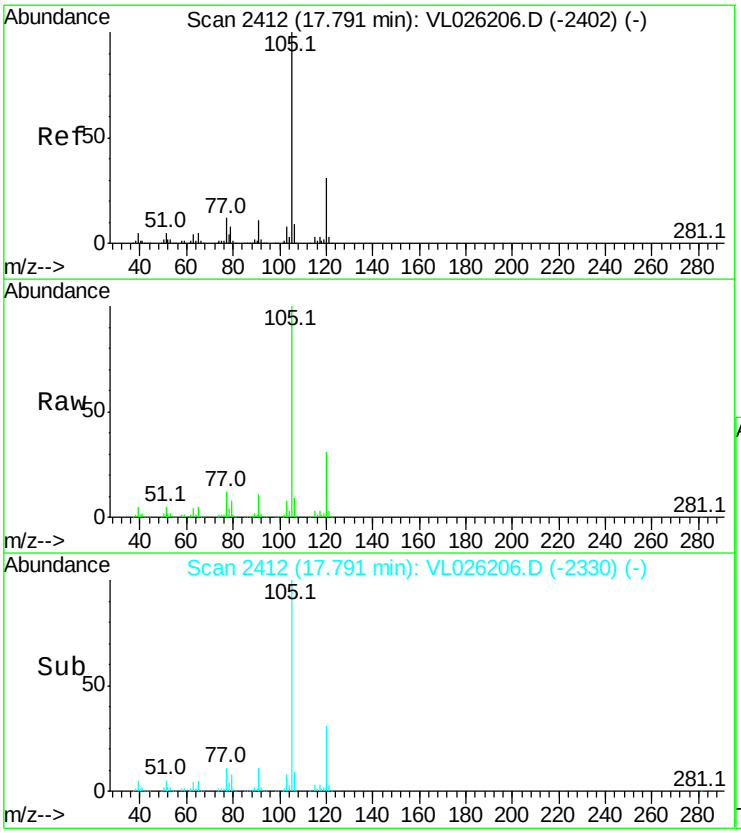
#71
2-Chlorotoluene
Concen: 8.79 ppbv
RT: 17.40 min Scan# 2347
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2680469

Ion	Ratio	Lower	Upper
91	100		
126	32.3	13.0	51.8

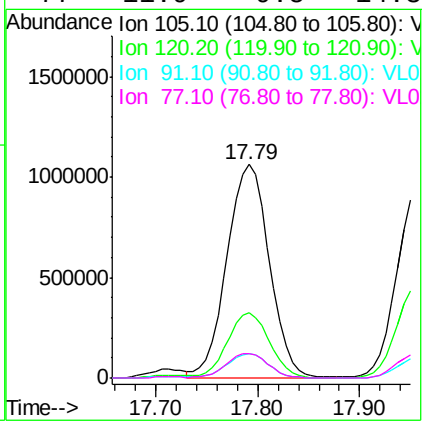


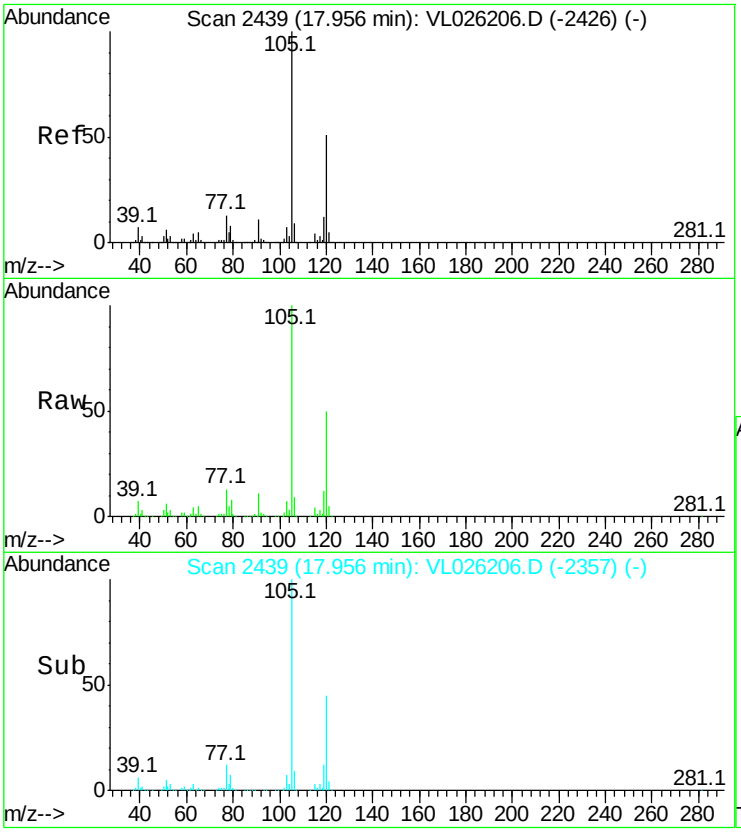


#72
4-Ethyltoluene
Concen: 9.10 ppbv
RT: 17.79 min Scan# 2412
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:105 Resp: 3074428

Ion	Ratio	Lower	Upper
105	100		
120	31.5	25.2	37.8
91	11.5	9.4	14.0
77	11.9	9.5	14.3



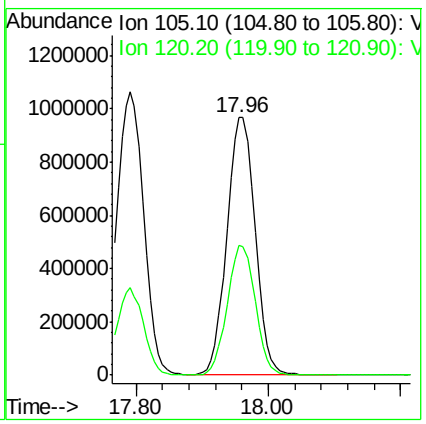


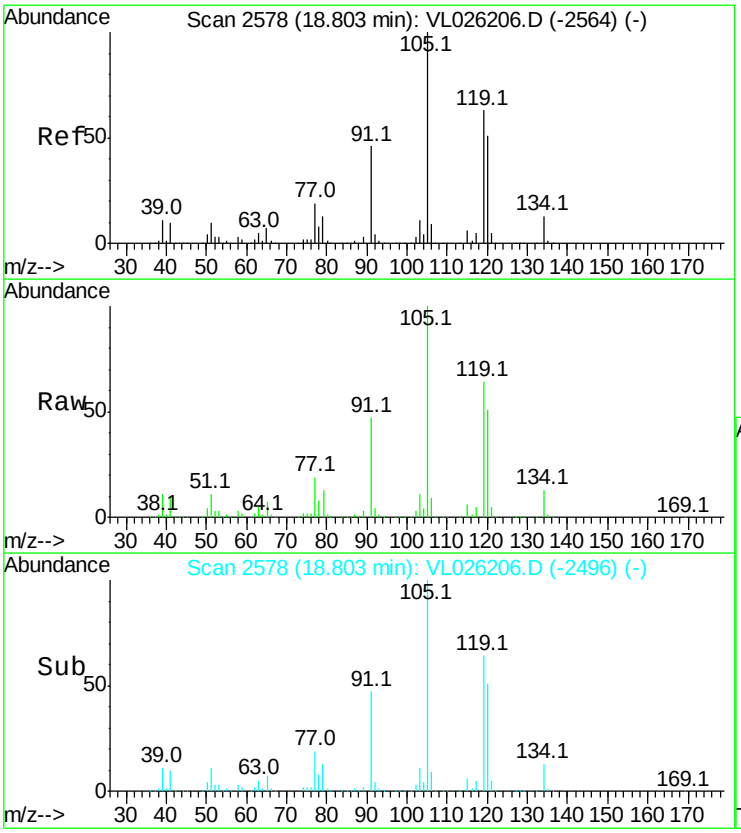
#73
1,3,5-Trimethylbenzene
Concen: 9.03 ppbv
RT: 17.96 min Scan# 2439
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2867785

Ion	Ratio	Lower	Upper
105	100		
120	50.4	40.3	60.5

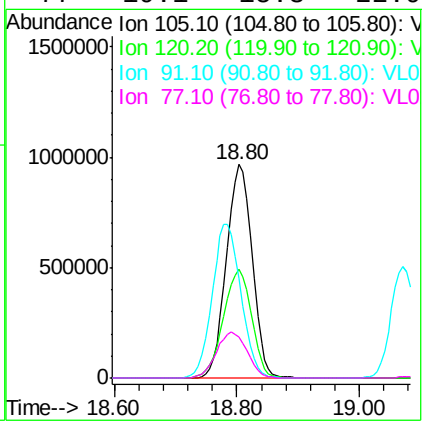


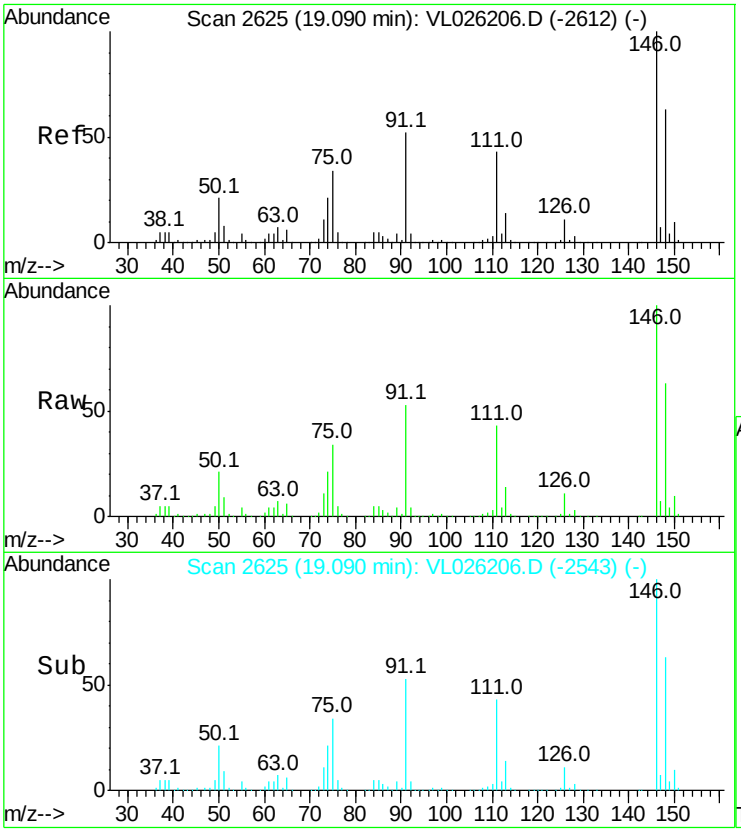


#74
1,2,4-Trimethylbenzene
Concen: 8.44 ppbv
RT: 18.80 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:105 Resp: 2808761

Ion	Ratio	Lower	Upper
105	100		
120	50.6	40.5	60.7
91	46.7	37.4	56.0
77	19.1	15.3	22.9



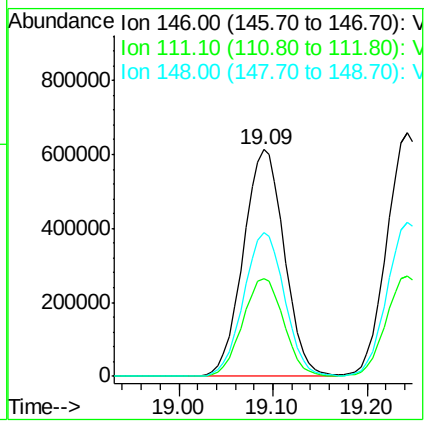


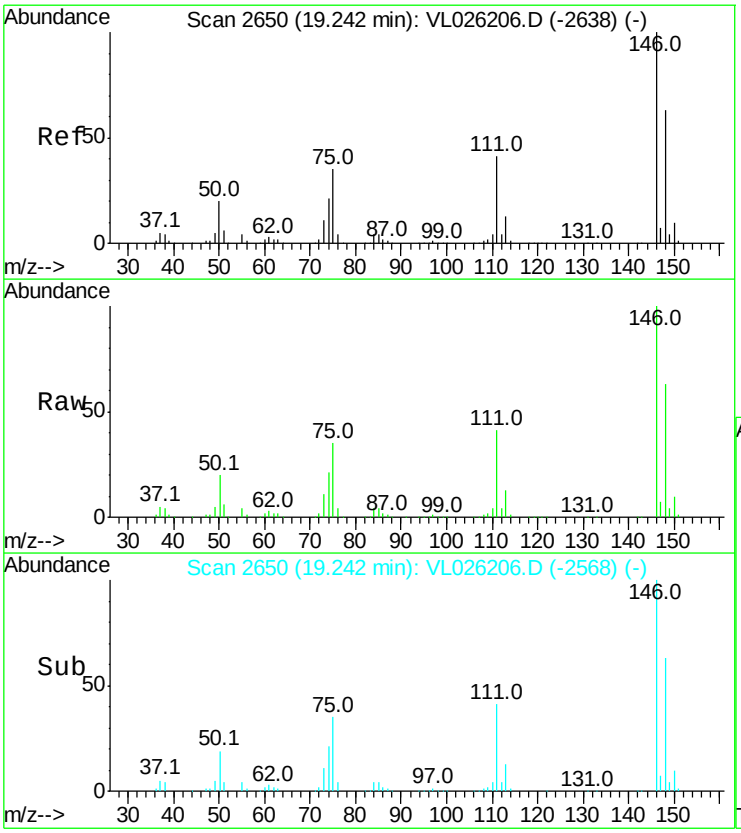
#75
1,3-Dichlorobenzene
Concen: 8.79 ppbv
RT: 19.09 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1871636

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	64.8
148	63.4	31.6	95.0

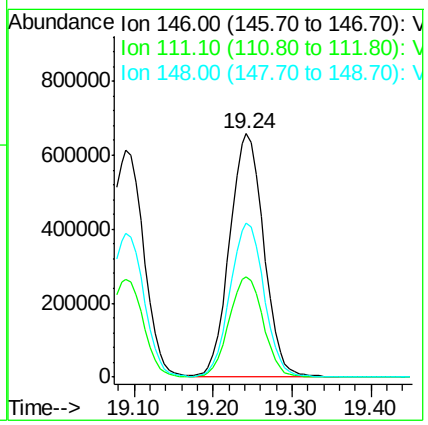


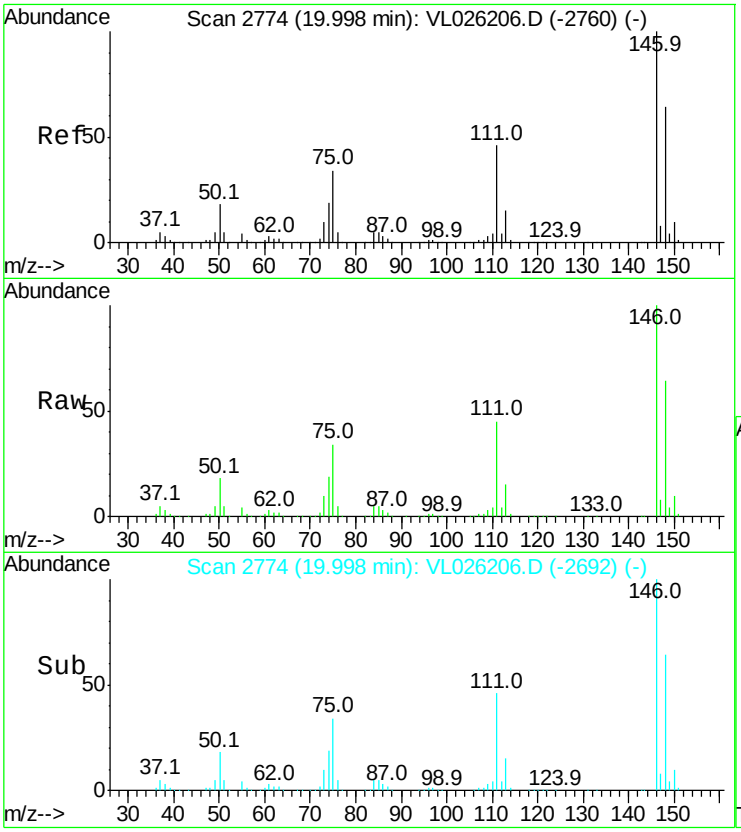


#76
1,4-Dichlorobenzene
Concen: 9.19 ppbv
RT: 19.24 min Scan# 2650
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:146 Resp: 1974978

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	64.1	32.0	96.2



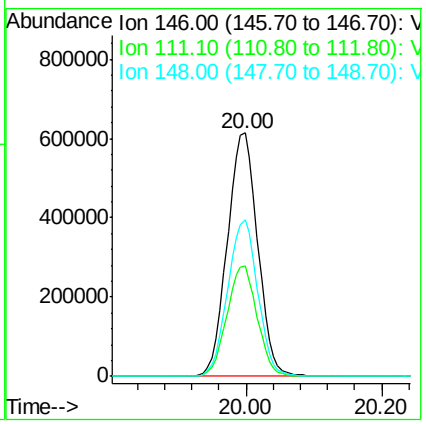


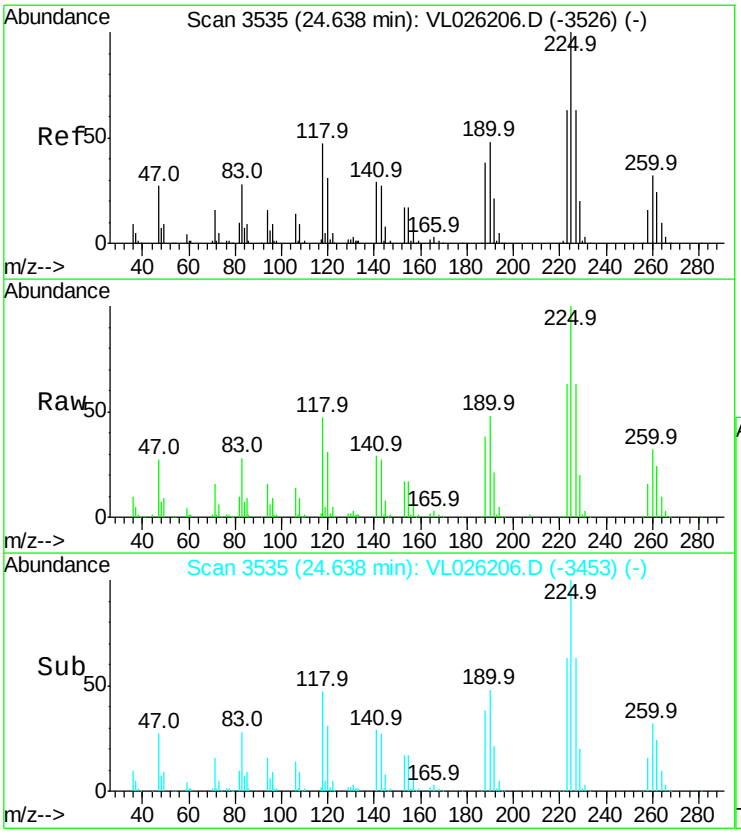
#77
1,2-Dichlorobenzene
Concen: 9.09 ppbv
RT: 20.00 min Scan# 2774
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1892788

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.6	67.8
148	64.1	32.0	96.2

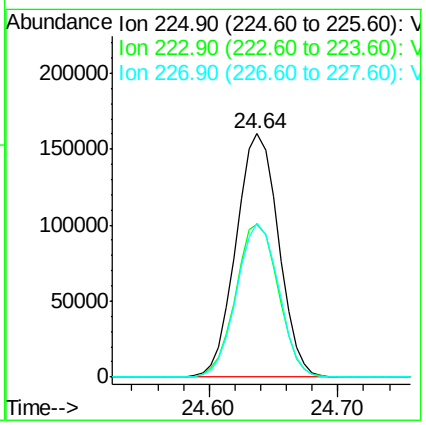


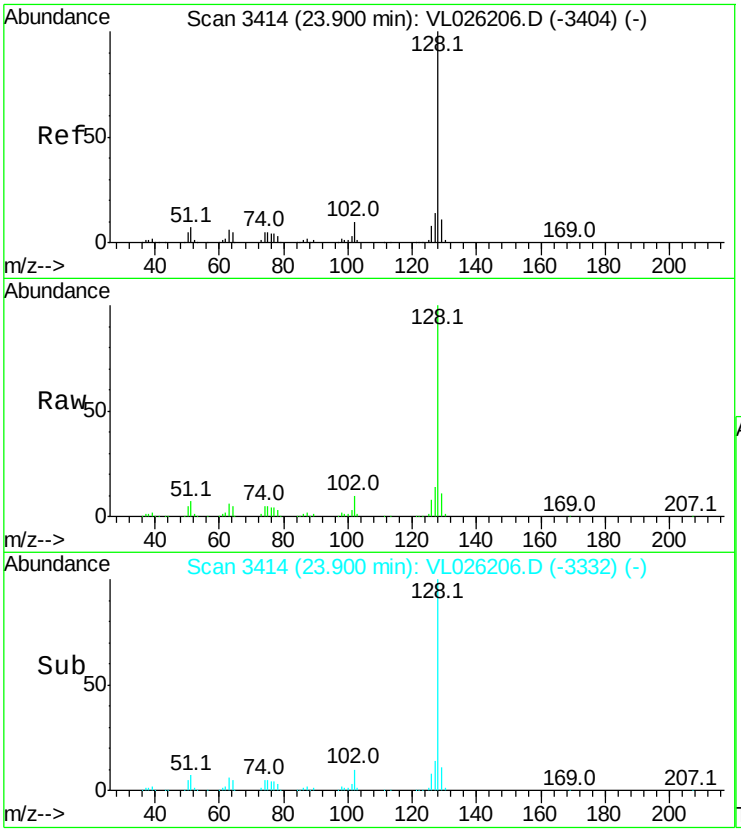


#78
Hexachloro-1,3-Butadiene
Concen: 4.39 ppbv
RT: 24.64 min Scan# 3535
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:225 Resp: 366855

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.7	76.1
227	62.7	50.2	75.2



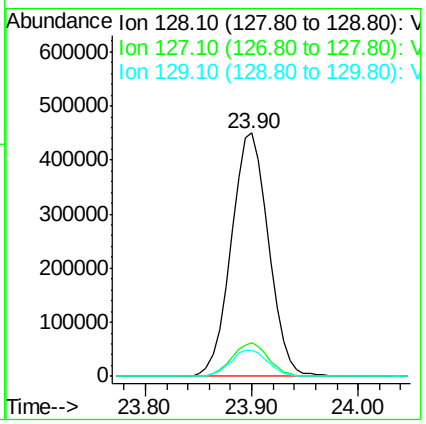


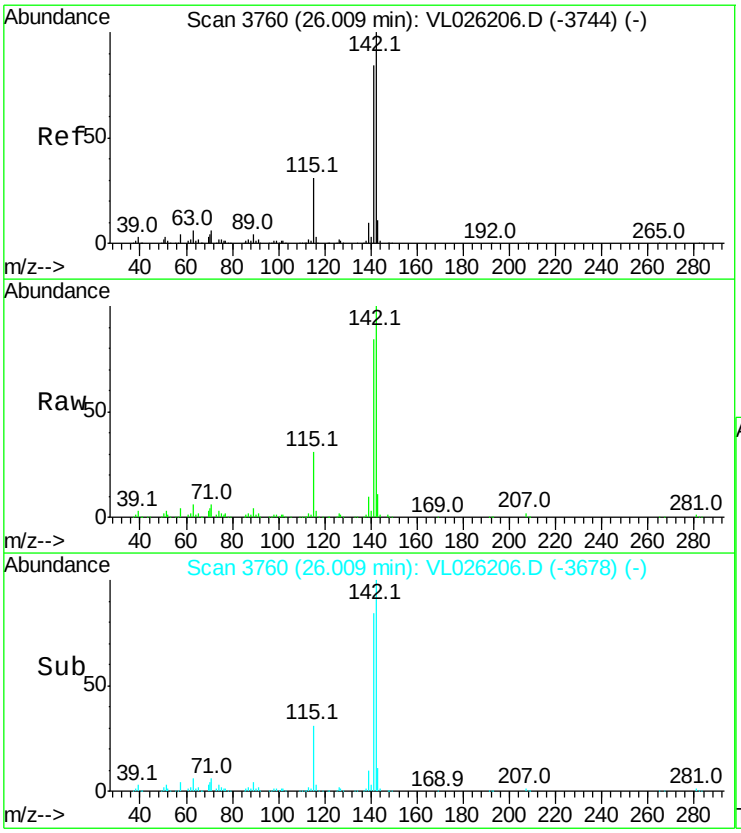
#79
Naphthalene
Concen: 5.30 ppbv
RT: 23.90 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 1107650

Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.6
129	10.9	8.7	13.1

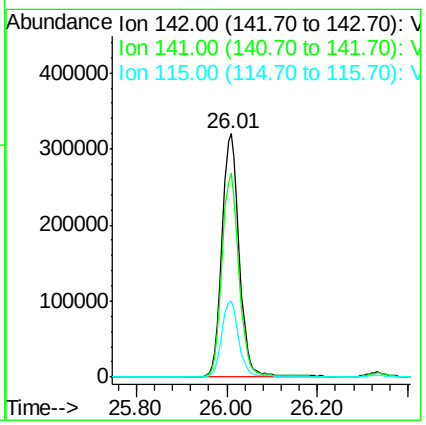


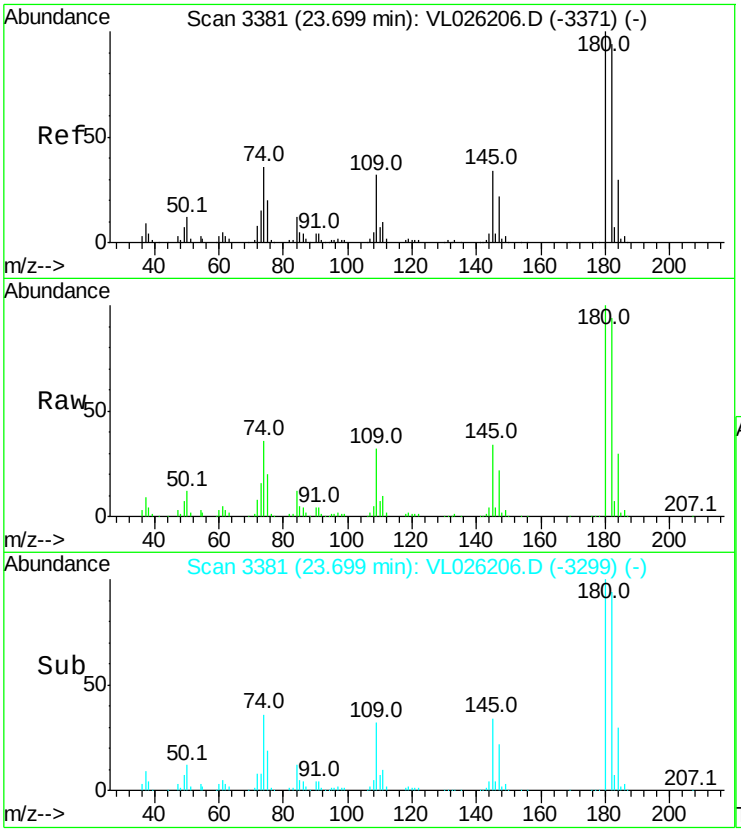


#80
Naphthalene,2-methyl-
Concen: 18.16 ppbv
RT: 26.01 min Scan# 3760
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Tgt Ion:142 Resp: 852151

Ion	Ratio	Lower	Upper
142	100		
141	83.4	66.7	100.1
115	31.2	25.0	37.4





#81
1,2,4-Trichlorobenzene
Concen: 5.43 ppbv
RT: 23.70 min Scan# 3381
Delta R.T. 0.00 min
Lab File: VL026206.D
Acq: 20 Oct 2015 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 561938

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
184	30.5	24.4	36.6