Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
Data File : VL025627.D
Acq On : 8 Jul 2015 3:54
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jul 08 06:58:39 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.67	49	655024	10.00	ppbv		0.01
33) 1,4-Difluorobenzene	8.34	114	1737887	10.00	ppbv		0.01
55) Chlorobenzene-d5	13.76	117	2749677	10.00	ppbv		0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.30	95	1846556	7.96	ppbv		0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 79.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.65	85	1681133	9.91	ppbv		99
3) Chlorodifluoromethane	3.57	51	752510	8.15	ppbv		99
4) Chloromethane	3.76	50	361375	8.58	ppbv		97
5) Vinyl Chloride	3.90	62	399904	8.79	ppbv		99
6) Bromomethane	4.15	94	324545	8.79	ppbv		98
7) Chloroethane	4.25	64	180763	8.54	ppbv		98
8) Dichlorotetrafluoroethane	3.81	85	1243952	8.36	ppbv		100
9) Propene	3.60	41	269922	8.80	ppbv		99
10) Heptane	9.37	43	1079826	9.04	ppbv		96
11) Trichlorofluoromethane	4.70	101	1841421	8.36	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	5.31	101	1077430	8.54	ppbv		99
13) Ethanol	4.34	45	48043	10.08	ppbv		97
14) Bromoethene	4.46	108	355472	8.58	ppbv		99
15) Acetone	4.60	43	1019200	8.81	ppbv		99
16) 1,3-Butadiene	3.98	39	397375	8.63	ppbv		100
17) tert-Butyl alcohol	5.14	59	912907	9.40	ppbv		99
18) 1,1-Dichloroethene	5.09	96	407901	8.44	ppbv		98
19) Isopropyl Alcohol	4.76	45	452756	9.80	ppbv	#	99
20) Methylene Chloride	5.16	84	379902	8.08	ppbv		96
21) Allyl Chloride	5.23	41	611010	8.43	ppbv		99
22) trans-1,2-Dichloroethene	5.78	96	424398	8.60	ppbv		98
23) Vinyl Acetate	5.99	43	1663030	9.48	ppbv		99
24) 1,1-Dichloroethane	5.92	63	1020254	8.68	ppbv		99
25) Ethyl Acetate	6.68	43	1594968	9.11	ppbv		99
26) Hexane	6.67	57	748460	9.08	ppbv		99
27) Carbon Disulfide	5.40	76	1186173	8.88	ppbv		99
28) Methyl tert-Butyl Ether	5.96	73	1522110	9.29	ppbv		100
29) Chloroform	6.76	83	1399177	8.59	ppbv		99
30) Cyclohexane	8.29	84	726161	9.21	ppbv		98
31) cis-1,2-Dichloroethene	6.53	61	755798	9.22	ppbv		98
32) 1,1,1-Trichloroethane	7.61	97	1571623	8.88	ppbv		99
34) 2-Butanone	6.21	43	947983	9.61	ppbv		99
35) Carbon Tetrachloride	8.18	117	1658177	8.95	ppbv		100
36) Benzene	8.04	78	1573961	9.46	ppbv		100
37) 1,2-Dichloroethane	7.38	62	1270259	8.94	ppbv		100
38) Trichloroethene	9.08	130	719117	9.29	ppbv		99
39) 1,2-Dichloropropane	8.84	63	561733	9.14	ppbv		97
40) 1,4-Dioxane	9.12	88	151206	15.68	ppbv		84
41) Tetrahydrofuran	7.13	42	484850	9.85	ppbv		99
42) Bromodichloromethane	9.04	83	1574715	9.19	ppbv		98
43) Methyl Methacrylate	9.27	69	650868	10.19	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
Data File : VL025627.D
Acq On : 8 Jul 2015 3:54
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jul 08 06:58:39 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	2697938	9.45	ppbv	100
45) t-1,3-Dichloropropene	10.66	75	1045391	9.73	ppbv	98
46) cis-1,3-Dichloropropene	10.03	75	1148505	9.67	ppbv	99
47) 1,1,2-Trichloroethane	10.90	97	763192	8.92	ppbv	98
48) Dibromochloromethane	11.82	129	1411774	9.22	ppbv	98
49) Bromoform	14.83	173	1169293	9.26	ppbv	98
50) 4-Methyl-2-Pentanone	10.10	43	1398788	9.85	ppbv	99
51) 2-Hexanone	11.63	43	1335491	10.48	ppbv	100
52) Tetrachloroethene	12.80	164	793639	9.51	ppbv	99
53) Toluene	11.25	91	2279897	9.75	ppbv	100
54) 1,2-Dibromoethane	12.16	107	1236283	8.93	ppbv	96
56) 1,1,1,2-Tetrachloroethane	13.80	131	1073579	7.22	ppbv	100
57) Chlorobenzene	13.83	112	2015290	6.89	ppbv	99
58) Ethyl Benzene	14.43	91	3538103	7.79	ppbv	100
59) m/p-Xylene	14.73	91	5883148	14.74	ppbv	99
60) o-Xylene	15.51	91	3086624	7.18	ppbv	100
61) Styrene	15.33	104	1325210	8.80	ppbv	99
62) Isopropylbenzene	16.56	105	4158288	7.40	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.51	83	1928144	6.63	ppbv	100
64) n-propylbenzene	17.54	120	1122801	7.39	ppbv	96
65) tert-Butylbenzene	18.83	119	3889852	7.05	ppbv	99
66) Benzyl Chloride	19.12	91	1136089	5.62	ppbv	100
67) sec-Butylbenzene	19.43	105	5476663	7.09	ppbv	100
69) p-Isopropyltoluene	19.80	119	4738361	7.44	ppbv	100
70) n-Butylbenzene	20.77	91	4683983	7.25	ppbv	99
71) 2-Chlorotoluene	17.44	91	3139250	7.62	ppbv	100
72) 4-Ethyltoluene	17.83	105	3622587	7.62	ppbv	99
73) 1,3,5-Trimethylbenzene	18.00	105	3515515	7.53	ppbv	100
74) 1,2,4-Trimethylbenzene	18.85	105	3691887	7.06	ppbv	93
75) 1,3-Dichlorobenzene	19.14	146	2272115	6.67	ppbv	99
76) 1,4-Dichlorobenzene	19.29	146	2338779	6.85	ppbv	100
77) 1,2-Dichlorobenzene	20.04	146	2279359	6.74	ppbv	99
78) Hexachloro-1,3-Butadiene	24.68	225	1260151	6.06	ppbv	100
79) Naphthalene	23.94	128	3173233	6.28	ppbv	99
80) Naphthalene,2-methyl-	26.06	142	600251	4.09	ppbv	98
81) 1,2,4-Trichlorobenzene	23.74	180	1622807	6.70	ppbv	99

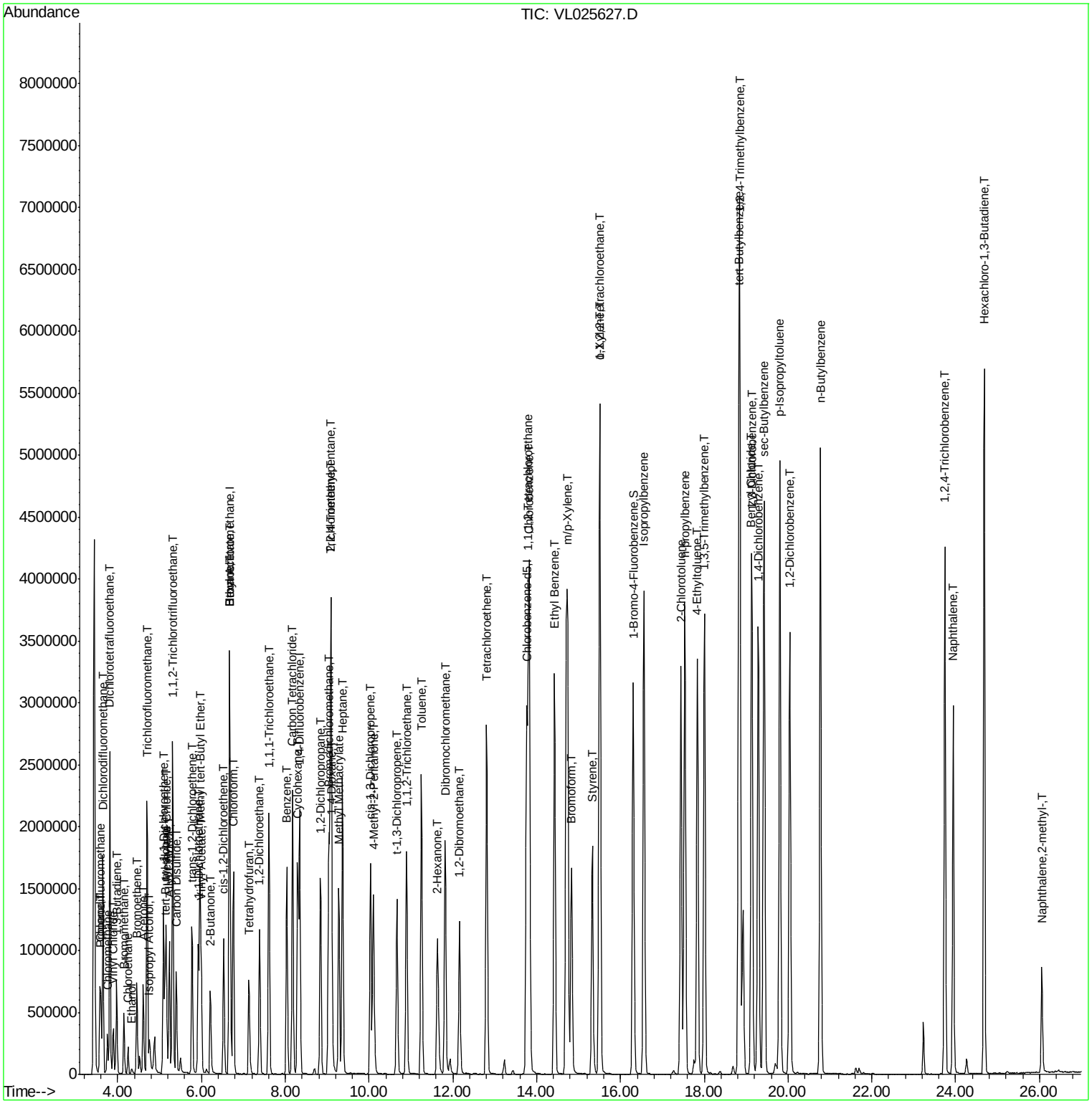
(#) = qualifier out of range (m) = manual integration (+) = signals summed

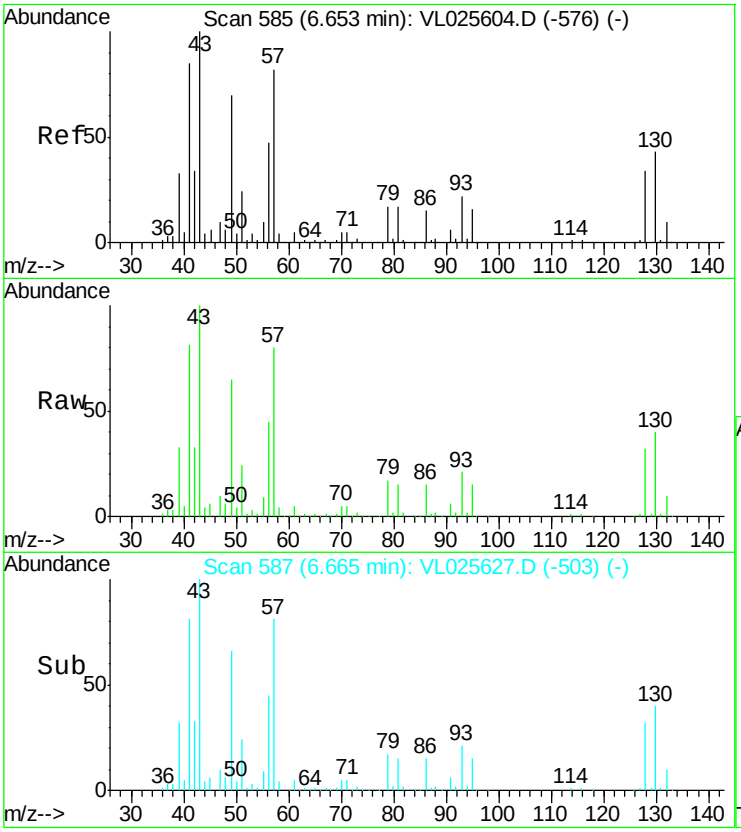
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
Data File : VL025627.D
Acq On : 8 Jul 2015 3:54
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jul 08 06:58:39 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration



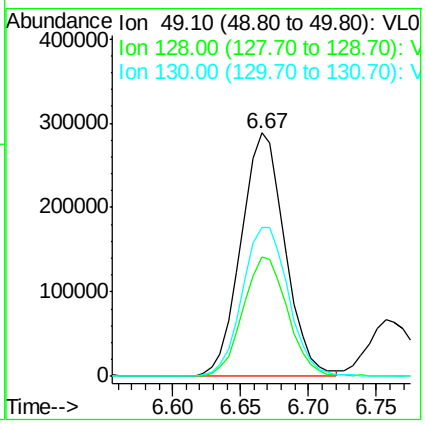


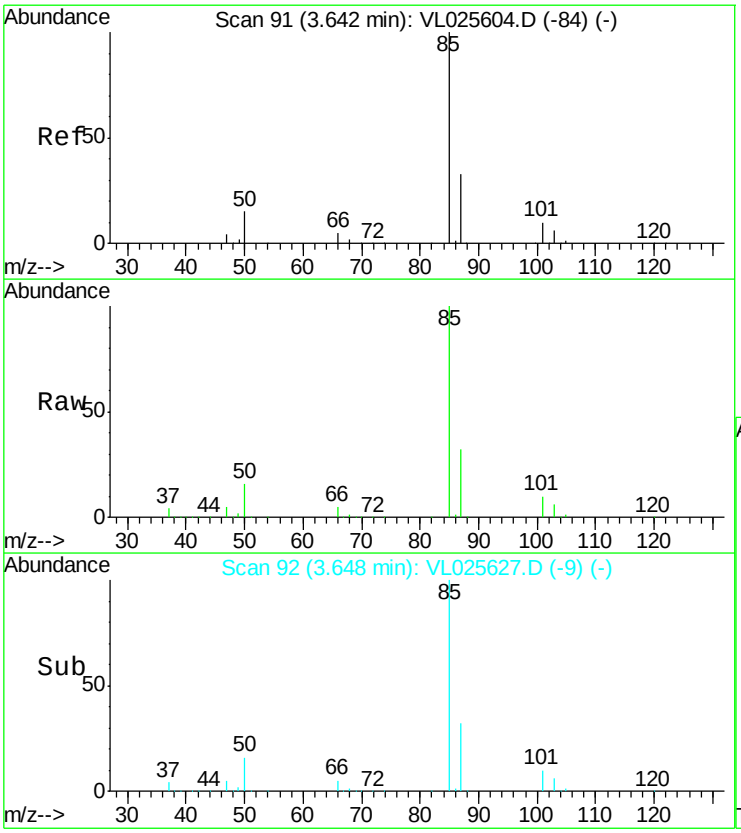
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.67 min Scan# 587
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 655024

Ion	Ratio	Lower	Upper
49	100		
128	49.9	25.4	76.0
130	64.3	31.9	95.9

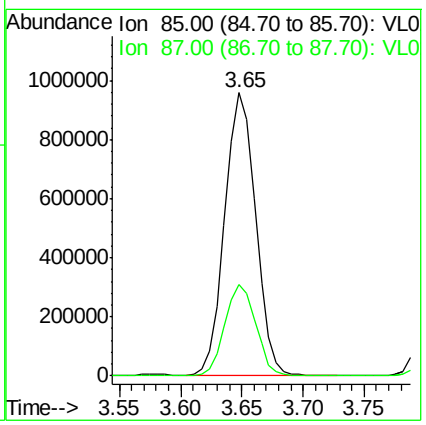


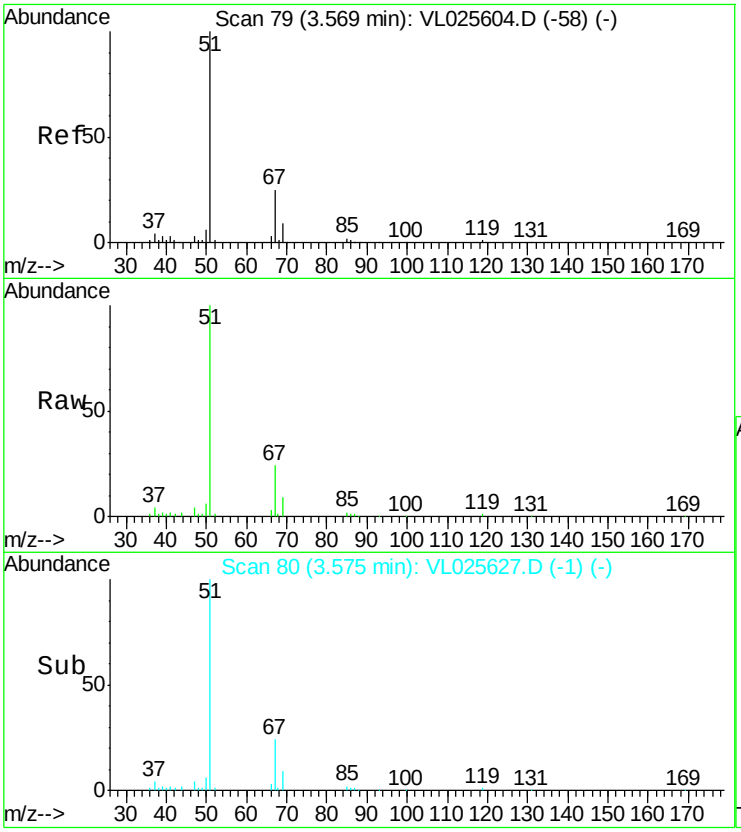


#2
Dichlorodifluoromethane
Concen: 9.91 ppbv
RT: 3.65 min Scan# 92
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 85 Resp: 1681133

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.5	39.7

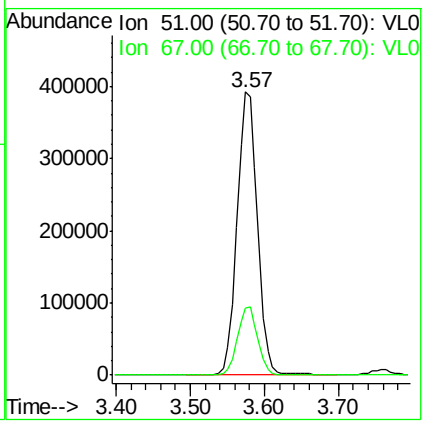




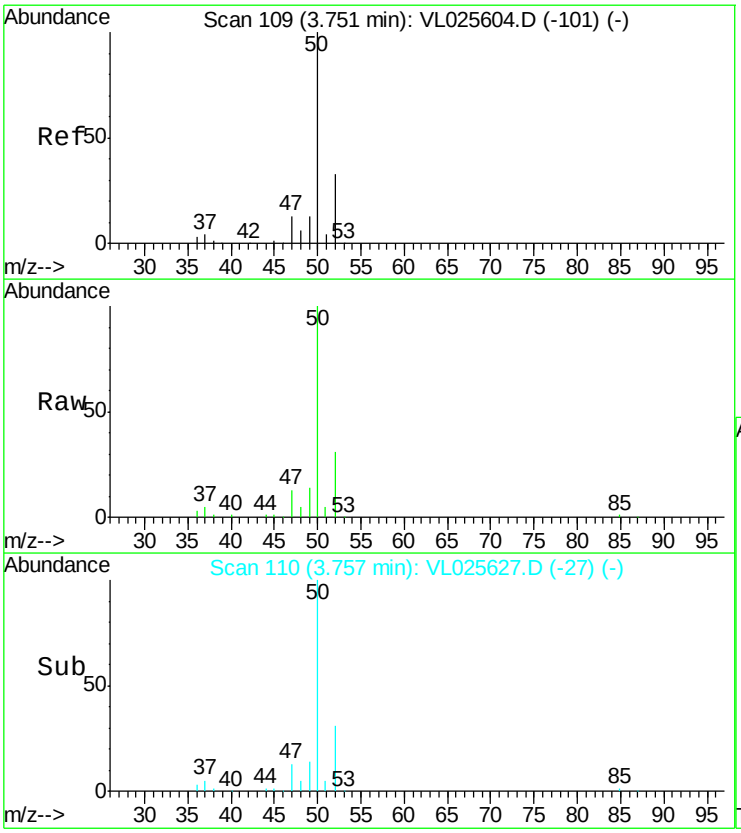
#3
Chlorodifluoromethane
Concen: 8.15 ppbv
RT: 3.57 min Scan# 80
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 51 Resp: 752510

Ion	Ratio	Lower	Upper
51	100		
67	24.0	19.5	29.3



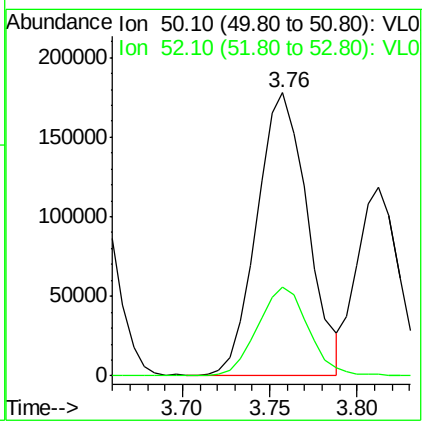
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

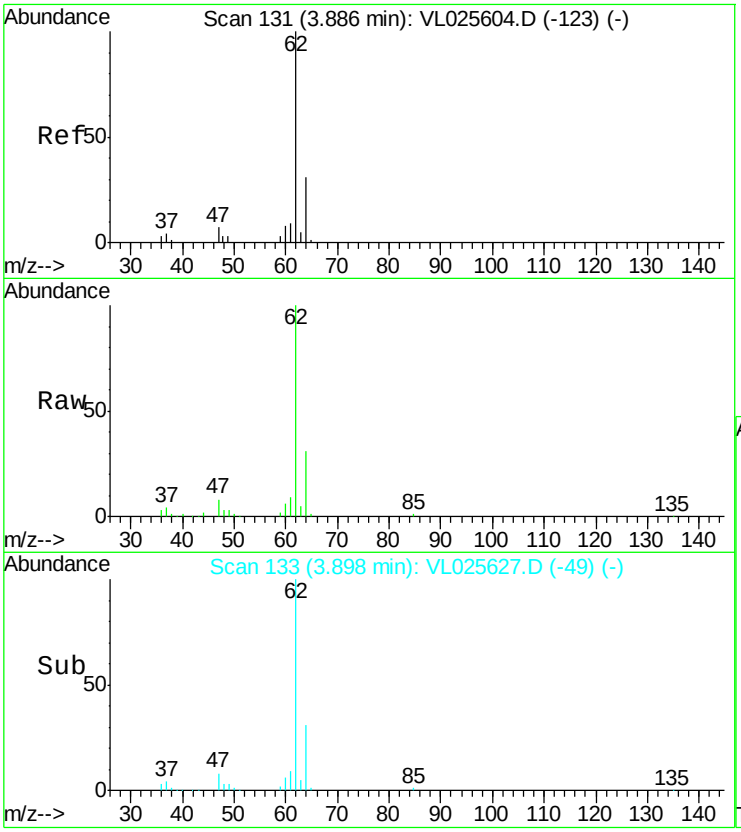


#4
Chloromethane
Concen: 8.58 ppbv
RT: 3.76 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 50 Resp: 361375

Ion	Ratio	Lower	Upper
50	100		
52	31.3	26.2	39.2



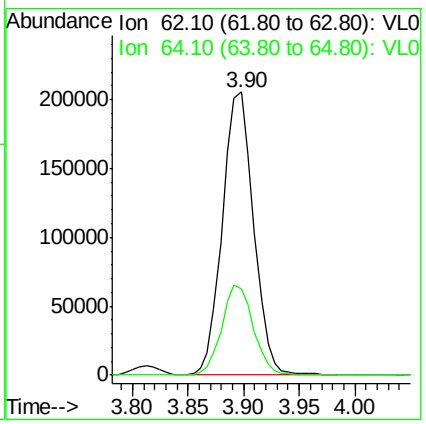


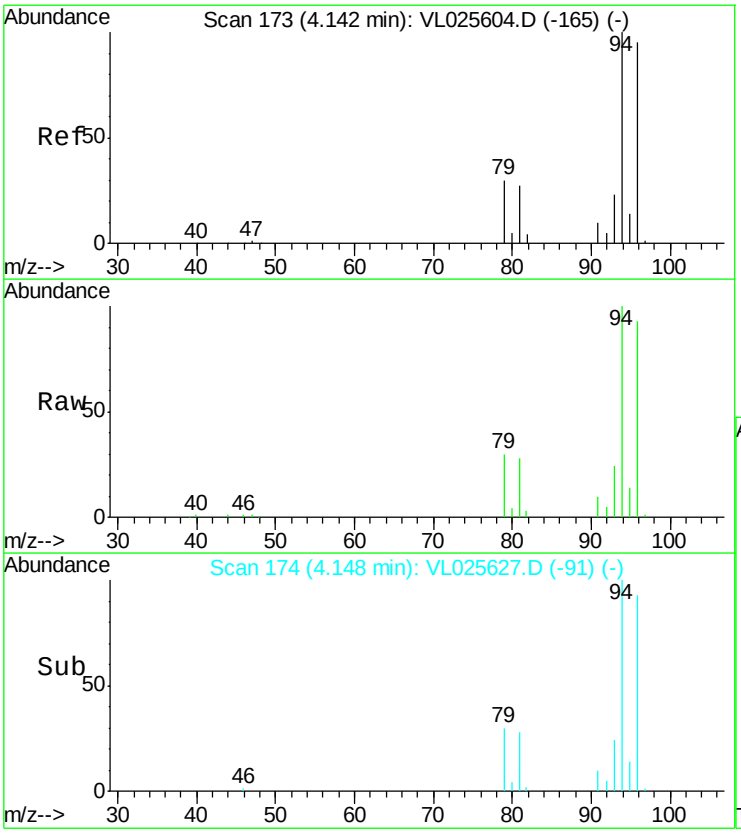
#5
Vinyl Chloride
Concen: 8.79 ppbv
RT: 3.90 min Scan# 133
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 399904

Ion	Ratio	Lower	Upper
62	100		
64	30.7	25.0	37.6

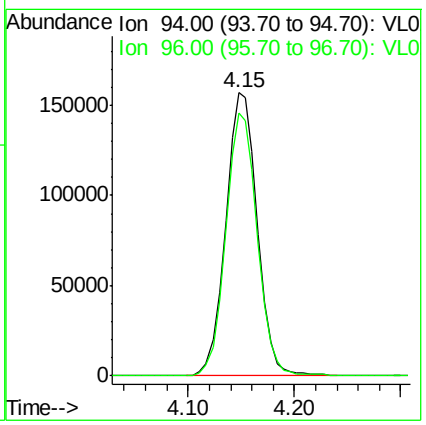


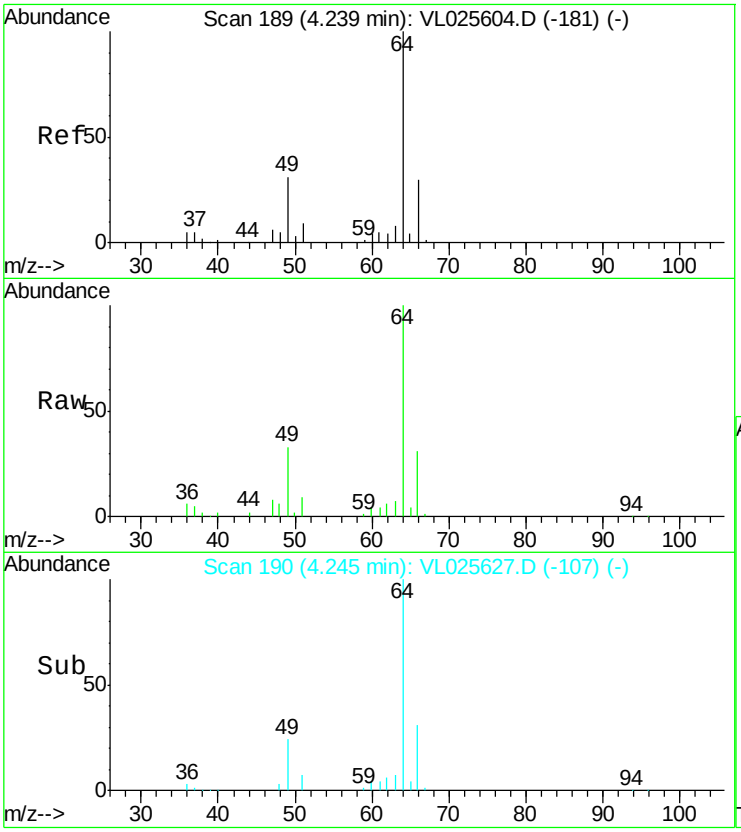


#6
Bromomethane
Concen: 8.79 ppbv
RT: 4.15 min Scan# 174
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 94 Resp: 324545

Ion	Ratio	Lower	Upper
94	100		
96	93.0	75.9	113.9



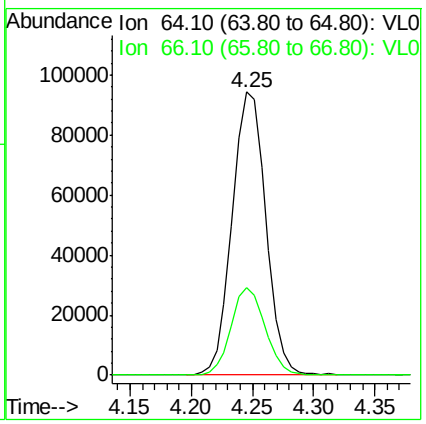


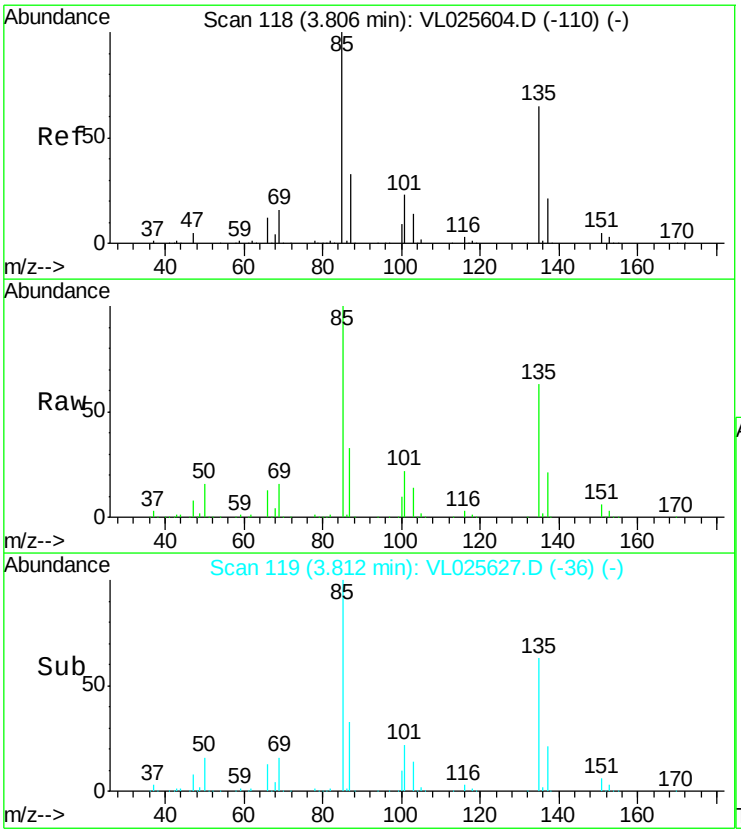
#7
Chloroethane
Concen: 8.54 ppbv
RT: 4.25 min Scan# 190
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 180763

Ion	Ratio	Lower	Upper
64	100		
66	31.0	23.8	35.8

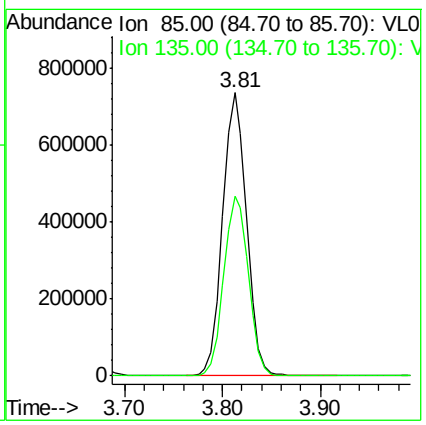


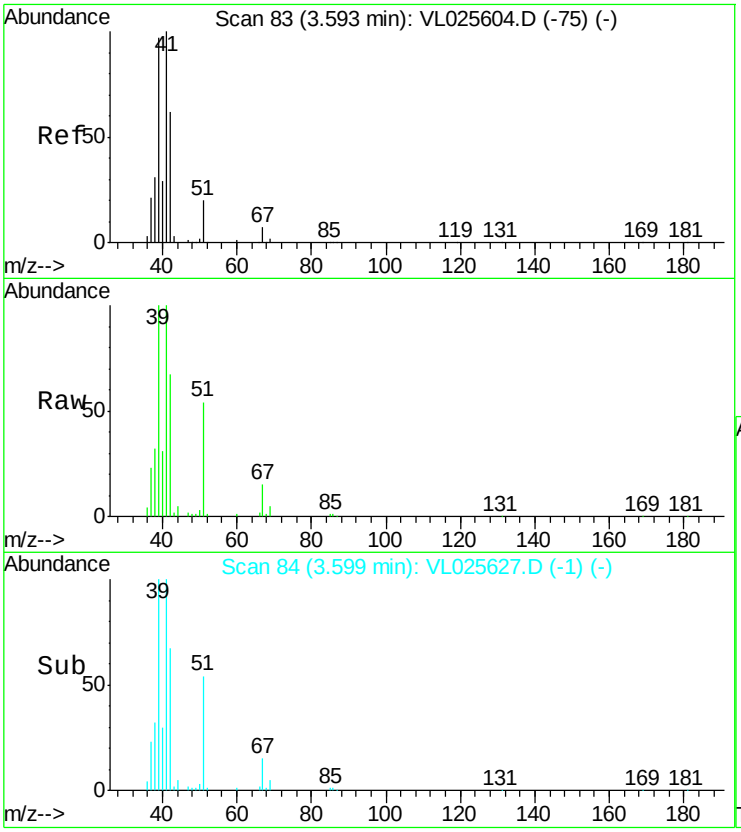


#8
Dichlorotetrafluoroethane
Concen: 8.36 ppbv
RT: 3.81 min Scan# 119
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 85 Resp: 1243952

Ion	Ratio	Lower	Upper
85	100		
135	65.5	52.2	78.4



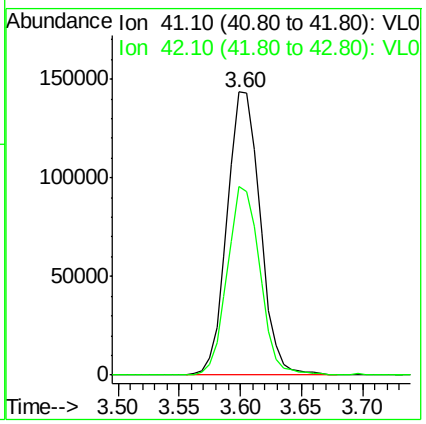


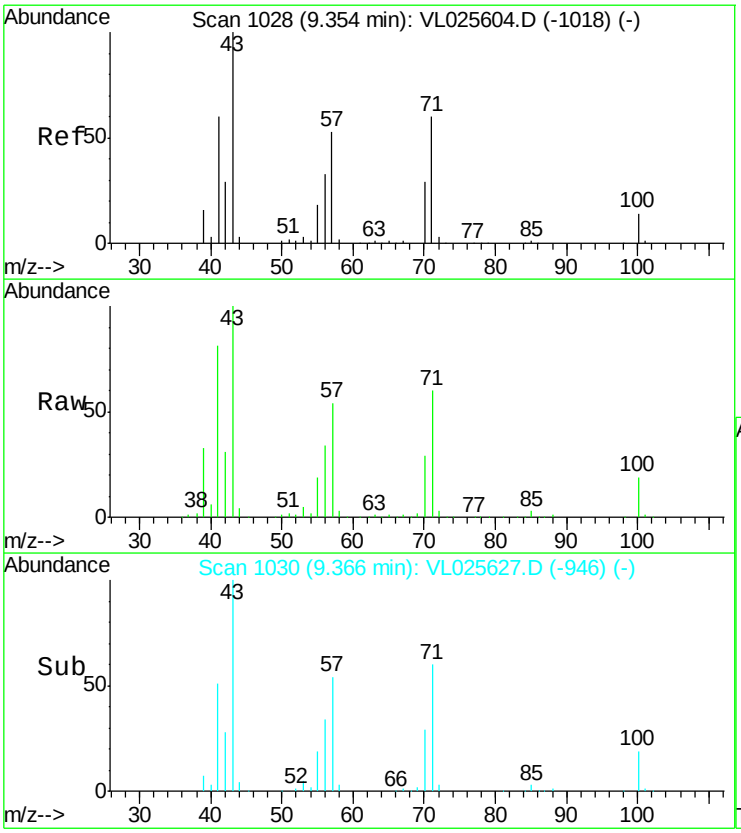
#9
Propene
Concen: 8.80 ppbv
RT: 3.60 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 269922

Ion	Ratio	Lower	Upper
41	100		
42	65.9	52.4	78.6

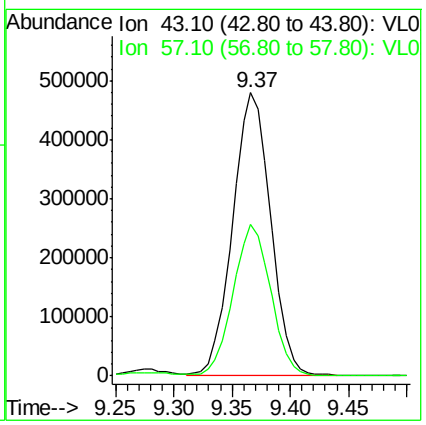


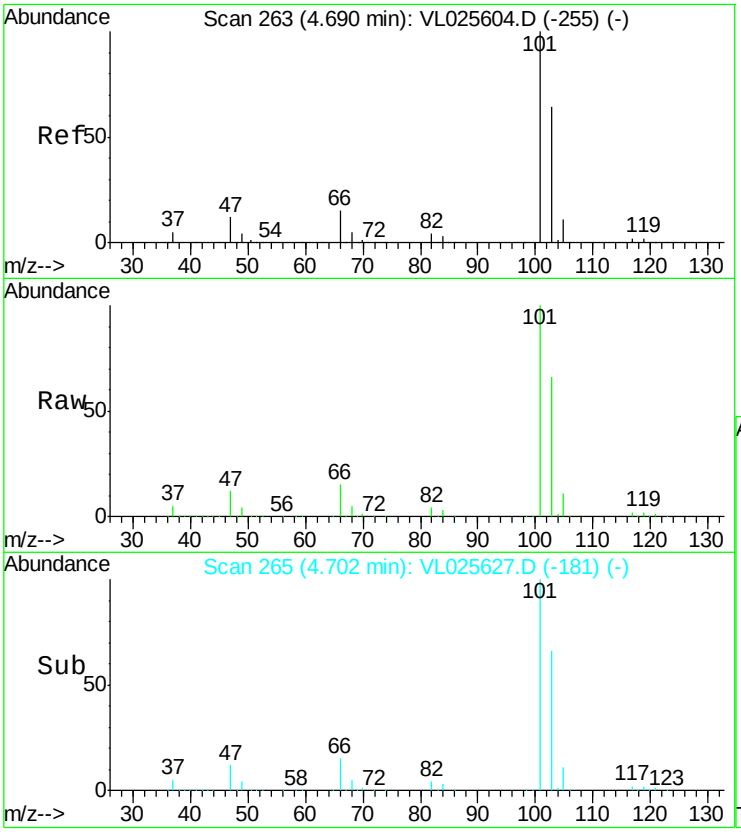


#10
Heptane
Concen: 9.04 ppbv
RT: 9.37 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 43 Resp: 1079826

Ion	Ratio	Lower	Upper
43	100		
57	56.1	42.6	64.0



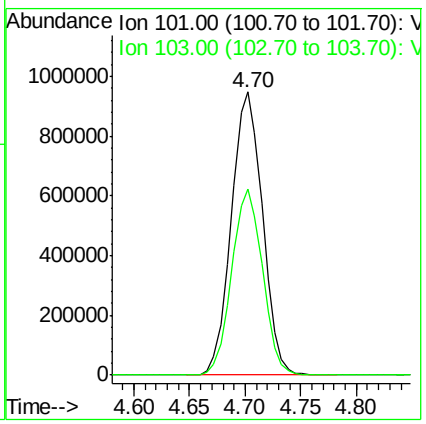


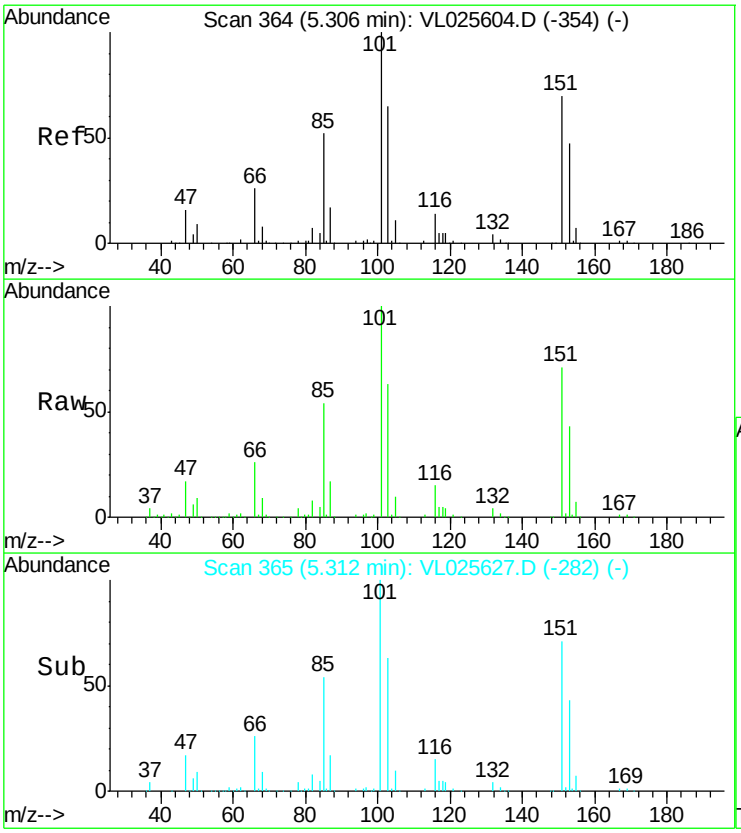
#11
Trichlorofluoromethane
Concen: 8.36 ppbv
RT: 4.70 min Scan# 265
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1841421

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

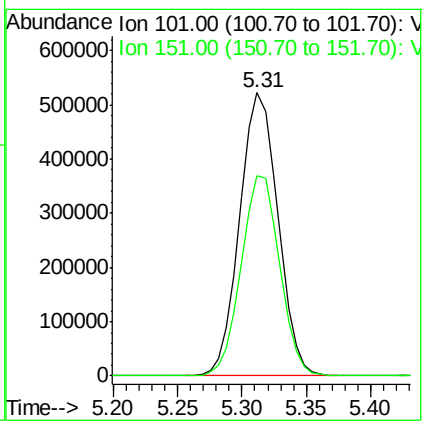


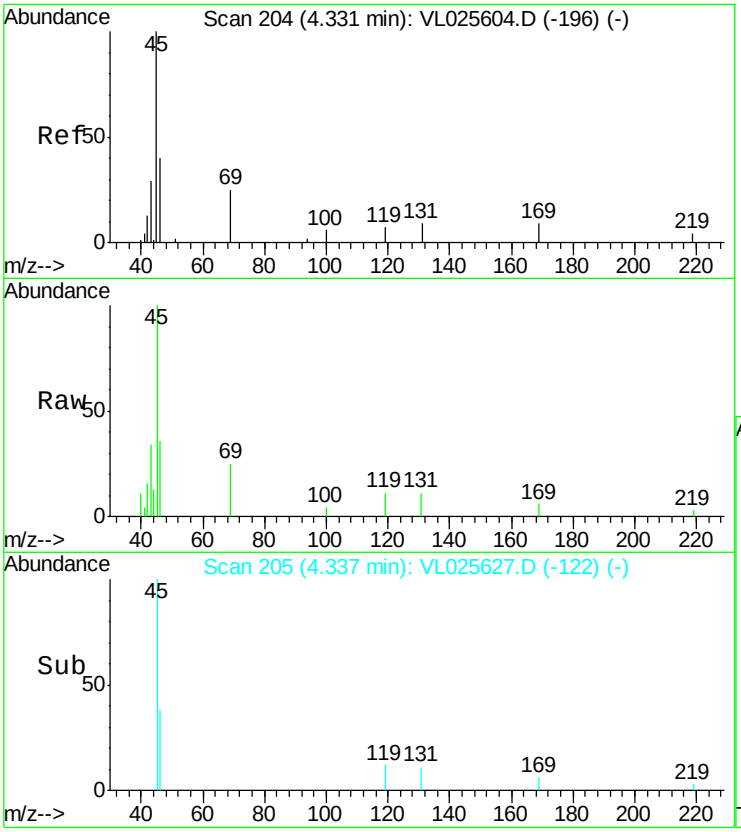


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.54 ppbv
RT: 5.31 min Scan# 365
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:101 Resp: 1077430

Ion	Ratio	Lower	Upper
101	100		
151	71.1	56.3	84.5



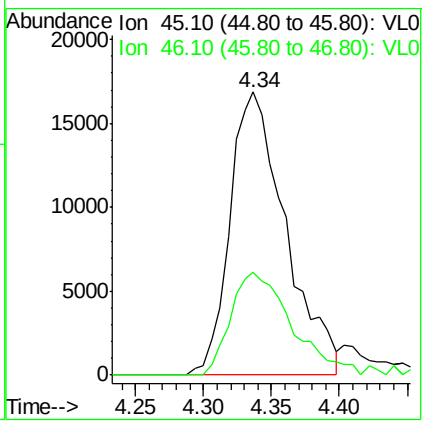


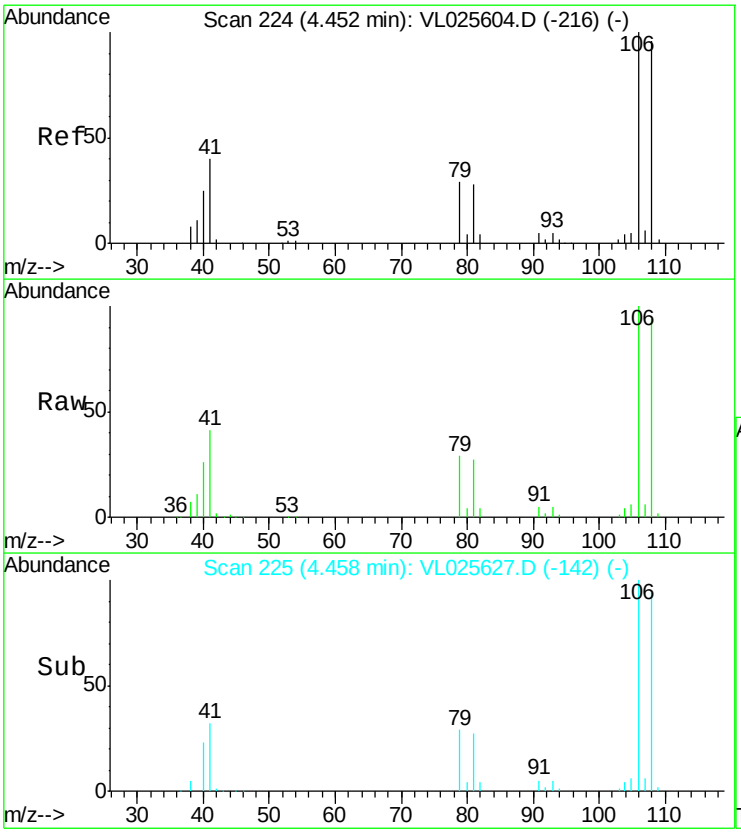
#13
Ethanol
Concen: 10.08 ppbv
RT: 4.34 min Scan# 205
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 48043

Ion	Ratio	Lower	Upper
45	100		
46	41.7	16.0	64.0

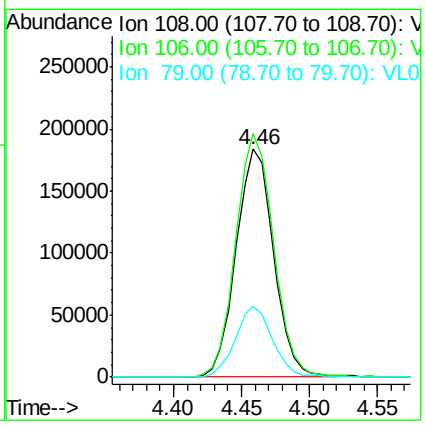


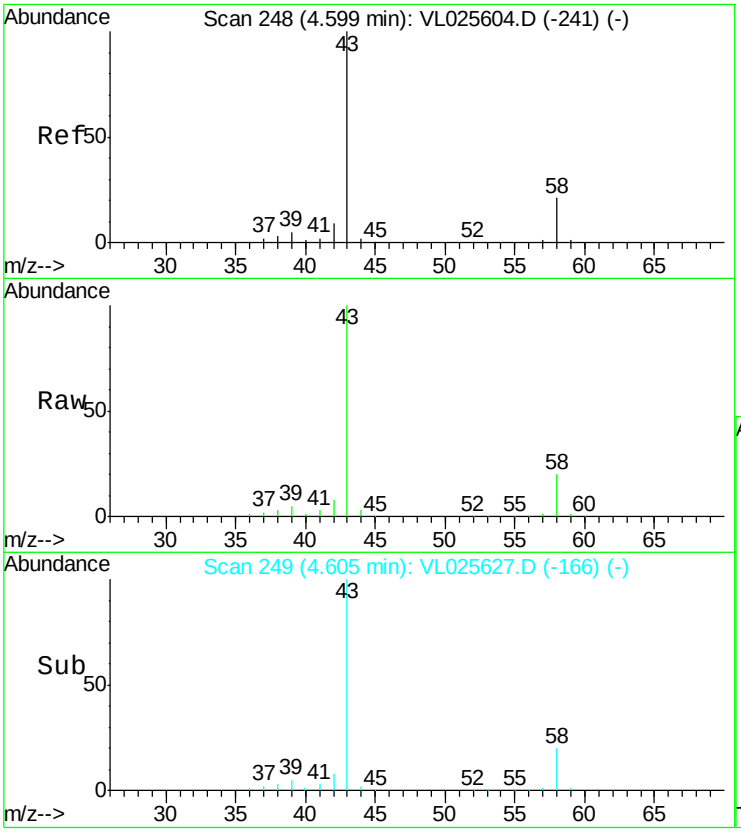


#14
Bromoethene
Concen: 8.58 ppbv
RT: 4.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:108 Resp: 355472

Ion	Ratio	Lower	Upper
108	100		
106	108.0	85.7	128.5
79	30.7	24.6	36.8



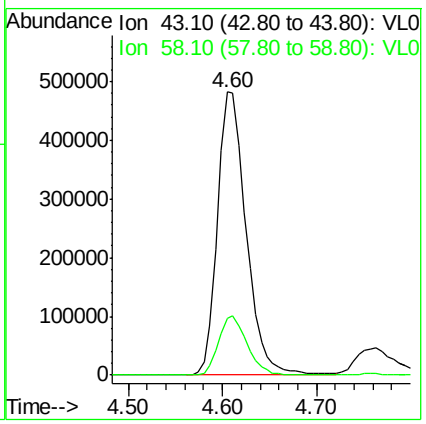


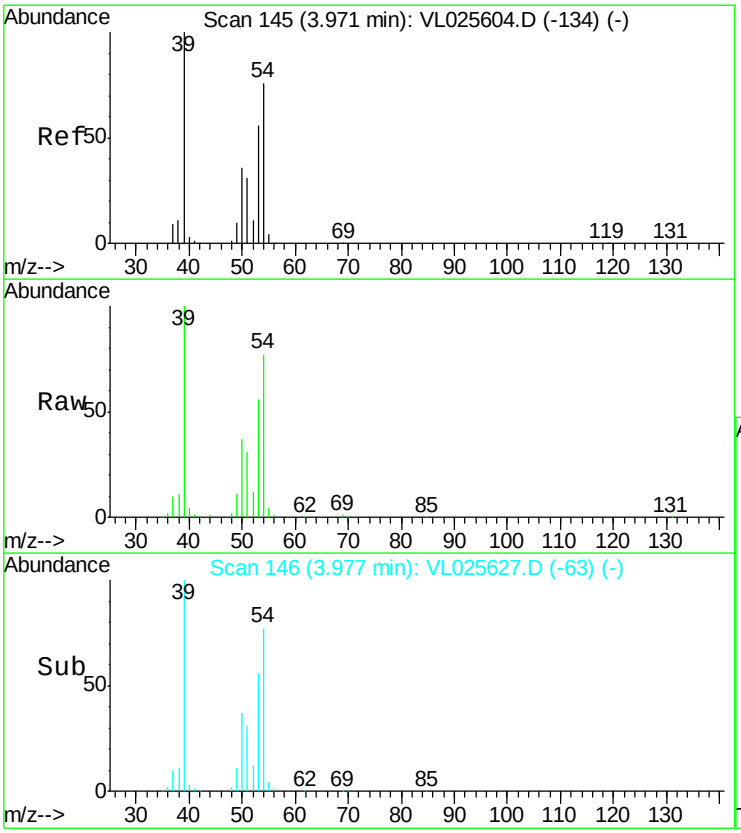
#15
Acetone
Concen: 8.81 ppbv
RT: 4.60 min Scan# 249
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1019200

Ion	Ratio	Lower	Upper
43	100		
58	21.1	17.2	25.8

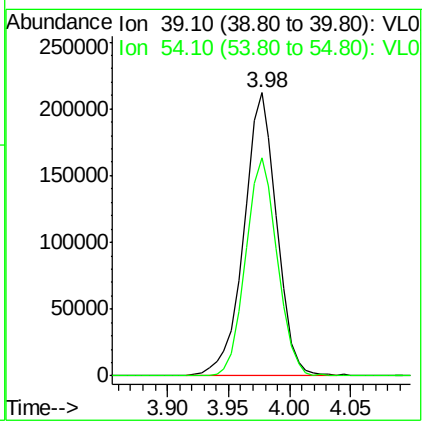


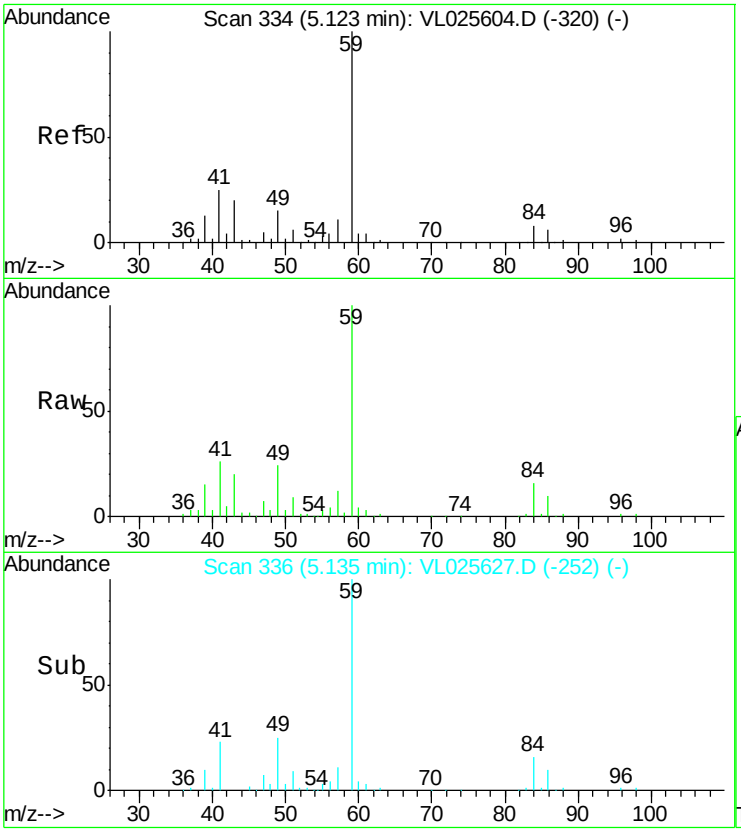


#16
1,3-Butadiene
Concen: 8.63 ppbv
RT: 3.98 min Scan# 146
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 39 Resp: 397375

Ion	Ratio	Lower	Upper
39	100		
54	74.1	59.3	88.9



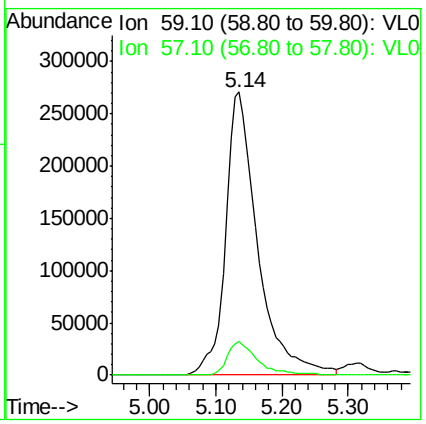


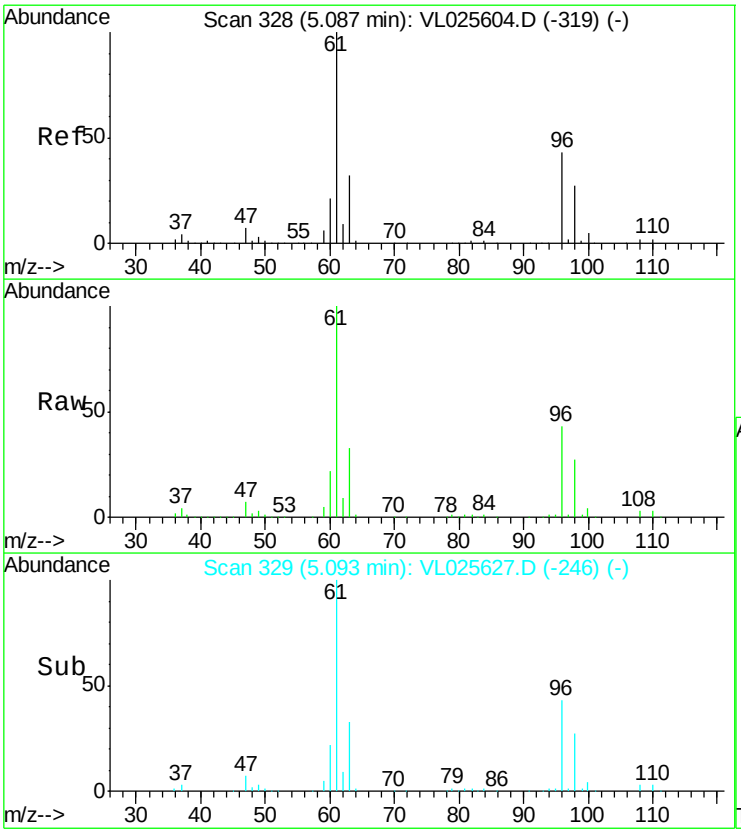
#17
tert-Butyl alcohol
Concen: 9.40 ppbv
RT: 5.14 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 912907

Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.4	14.2

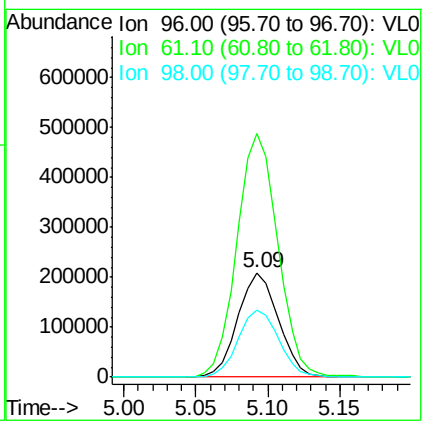


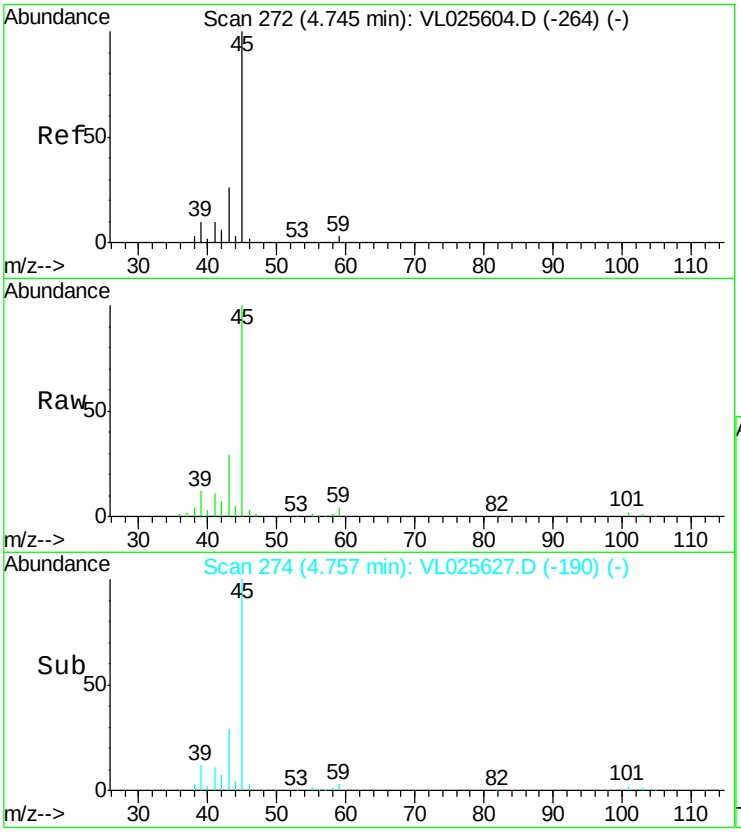


#18
1,1-Dichloroethene
Concen: 8.44 ppbv
RT: 5.09 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 96 Resp: 407901

Ion	Ratio	Lower	Upper
96	100		
61	233.3	184.1	276.1
98	63.8	50.0	75.0



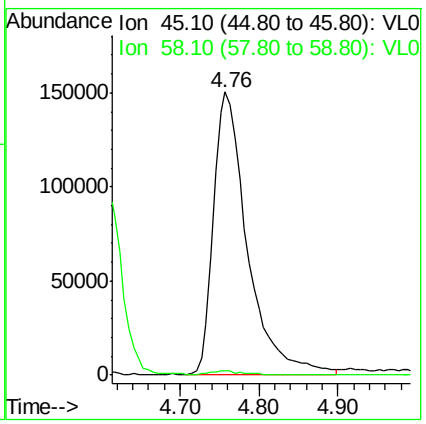


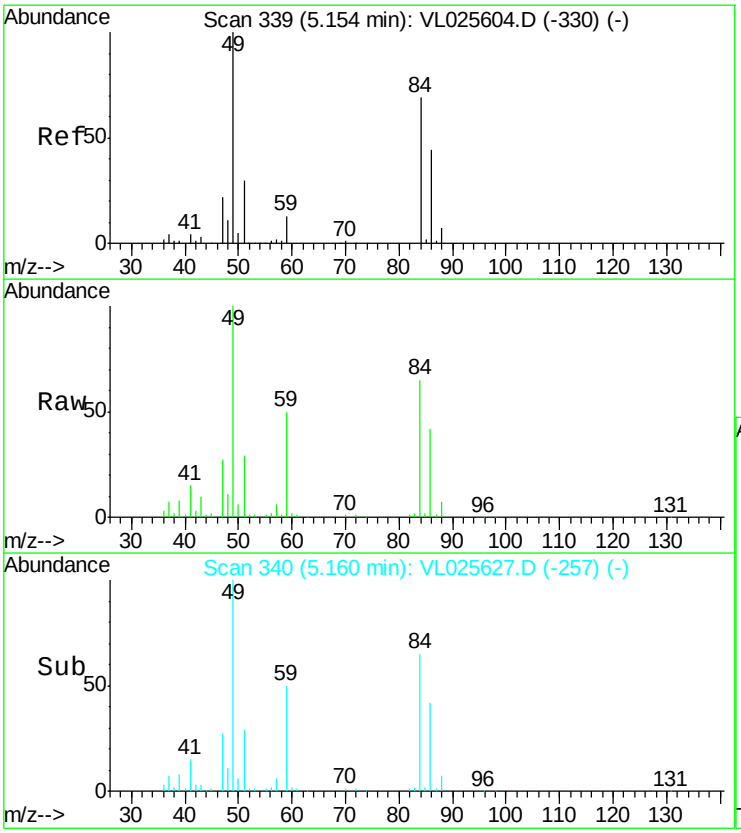
#19
Isopropyl Alcohol
Concen: 9.80 ppbv
RT: 4.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 452756

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.1	1.7#

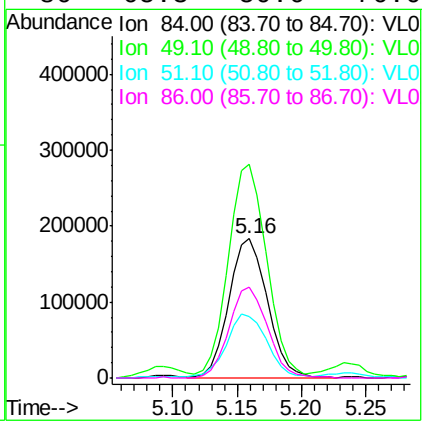


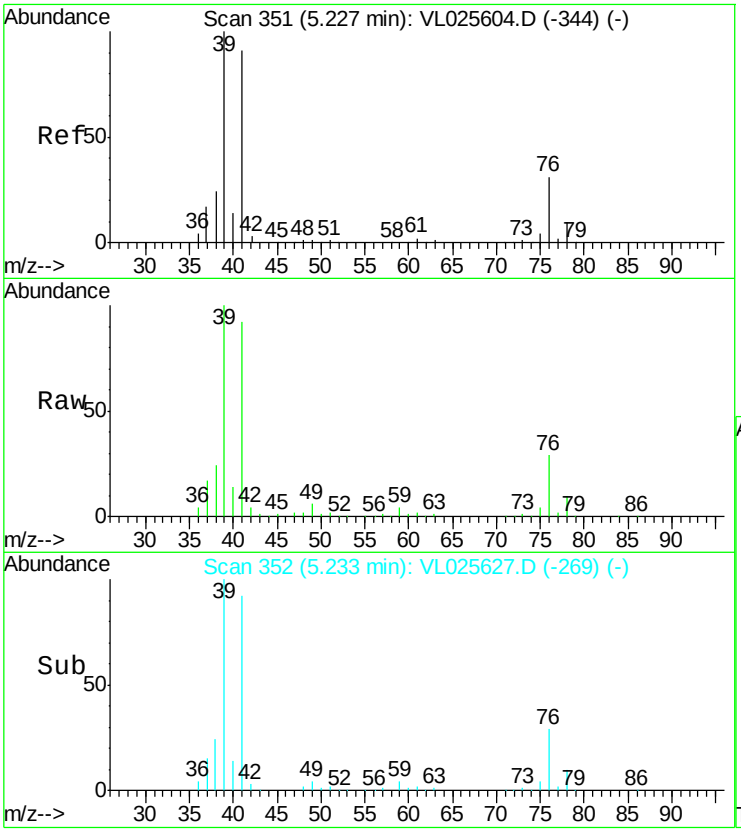


#20
Methylene Chloride
Concen: 8.08 ppbv
RT: 5.16 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 84 Resp: 379902

Ion	Ratio	Lower	Upper
84	100		
49	150.6	115.2	172.8
51	43.3	35.0	52.6
86	65.3	50.6	76.0



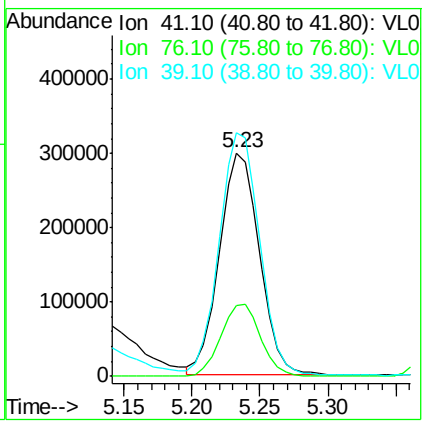


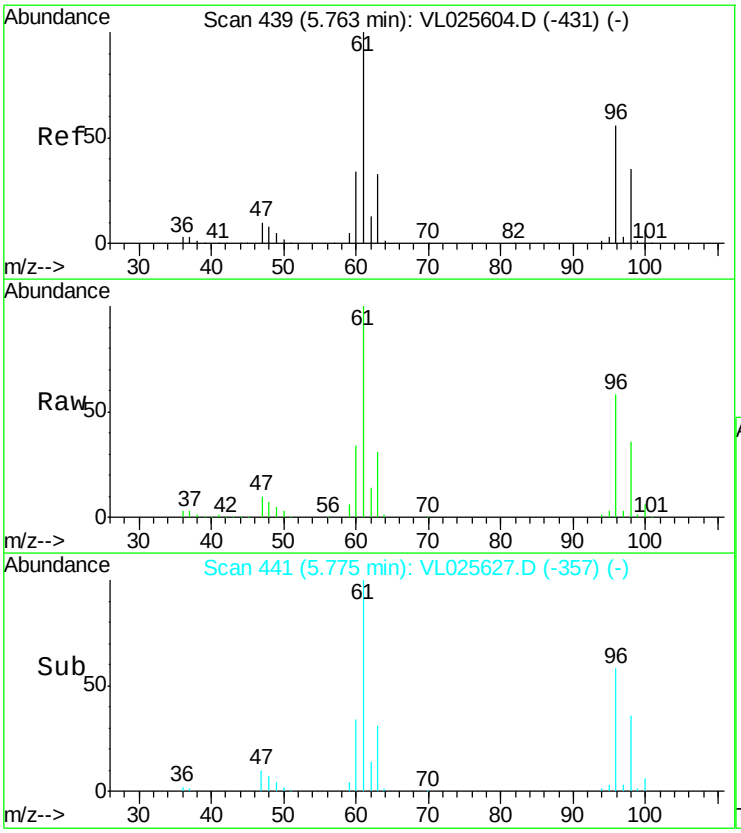
#21
Allyl Chloride
Concen: 8.43 ppbv
RT: 5.23 min Scan# 352
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 611010

Ion	Ratio	Lower	Upper
41	100		
76	32.5	26.6	40.0
39	111.1	88.2	132.4

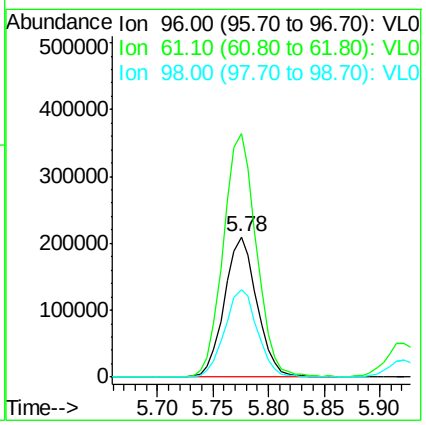


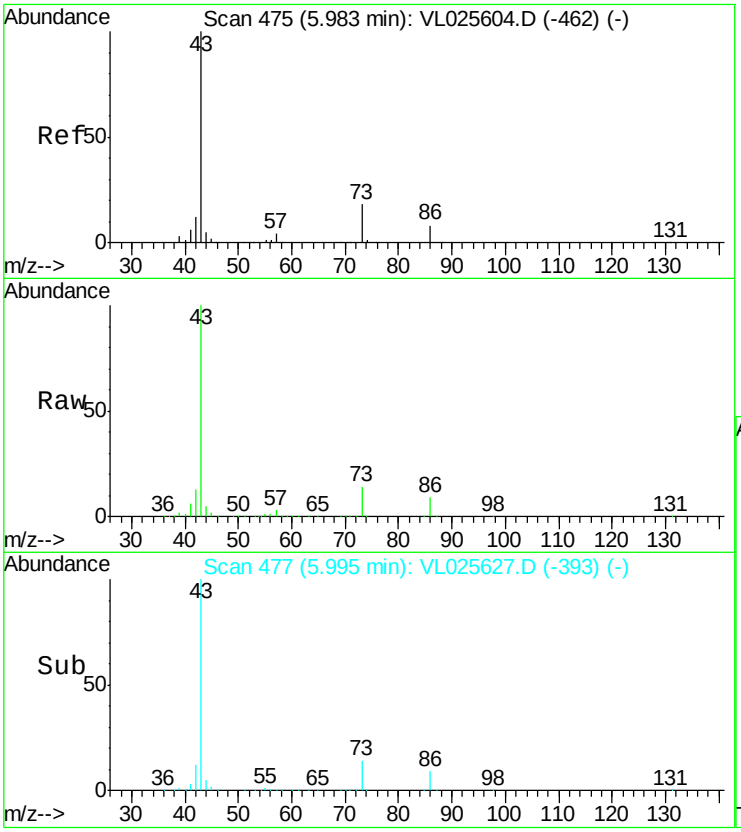


#22
trans-1,2-Dichloroethene
Concen: 8.60 ppbv
RT: 5.78 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 96 Resp: 424398

Ion	Ratio	Lower	Upper
96	100		
61	173.3	141.8	212.6
98	62.1	49.0	73.6



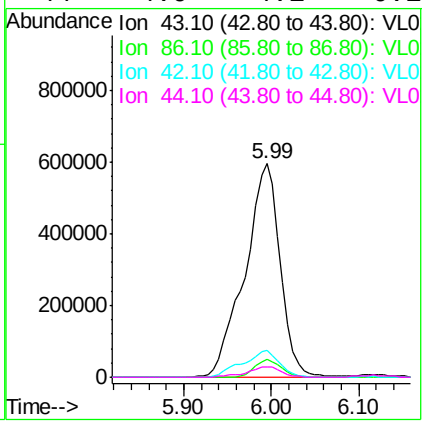


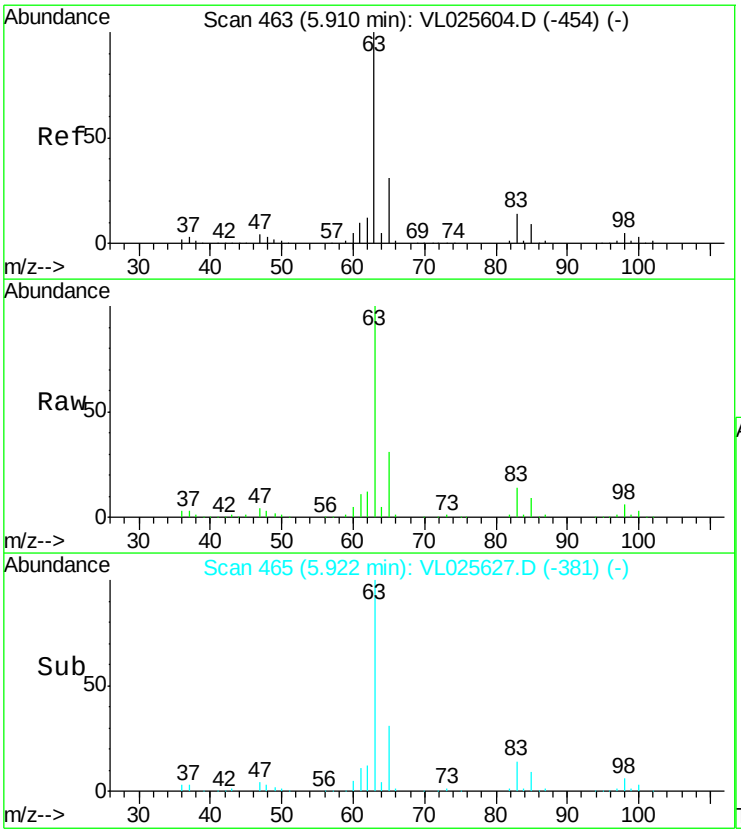
#23
Vinyl Acetate
Concen: 9.48 ppbv
RT: 5.99 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1663030

Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.7	10.1
42	12.5	9.8	14.6
44	4.9	4.1	6.1

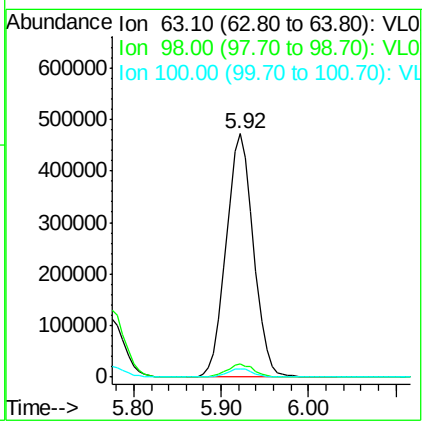


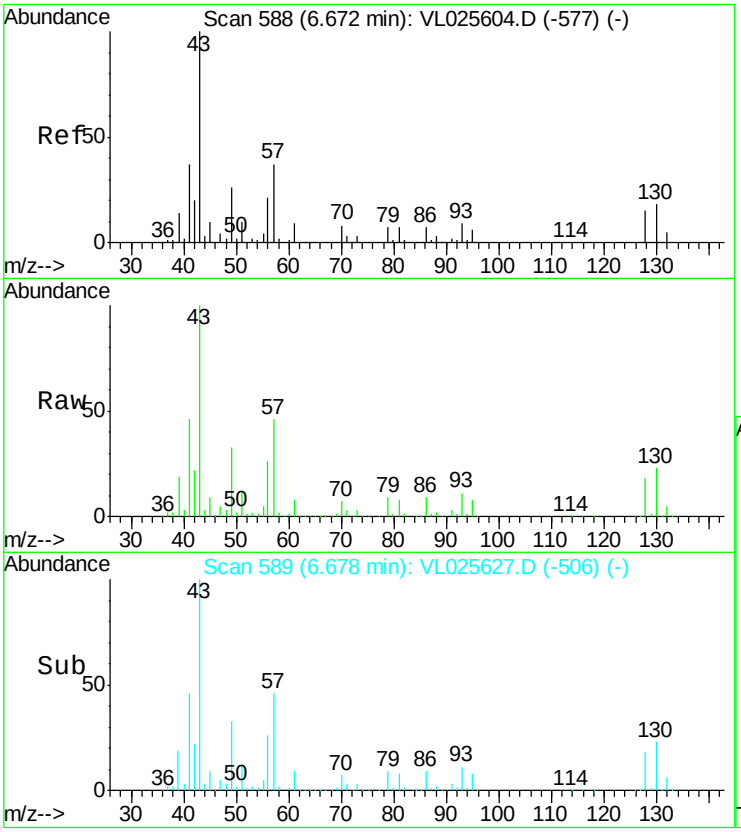


#24
1,1-Dichloroethane
Concen: 8.68 ppbv
RT: 5.92 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 63 Resp: 1020254

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.6	8.0
100	3.3	1.6	4.7



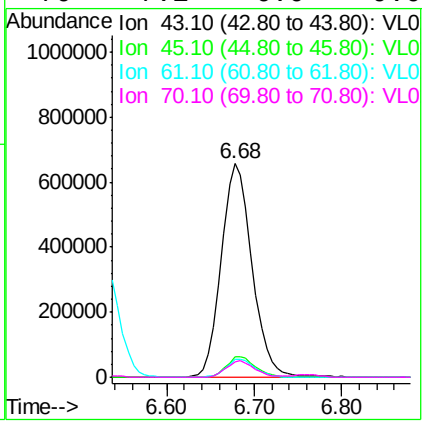


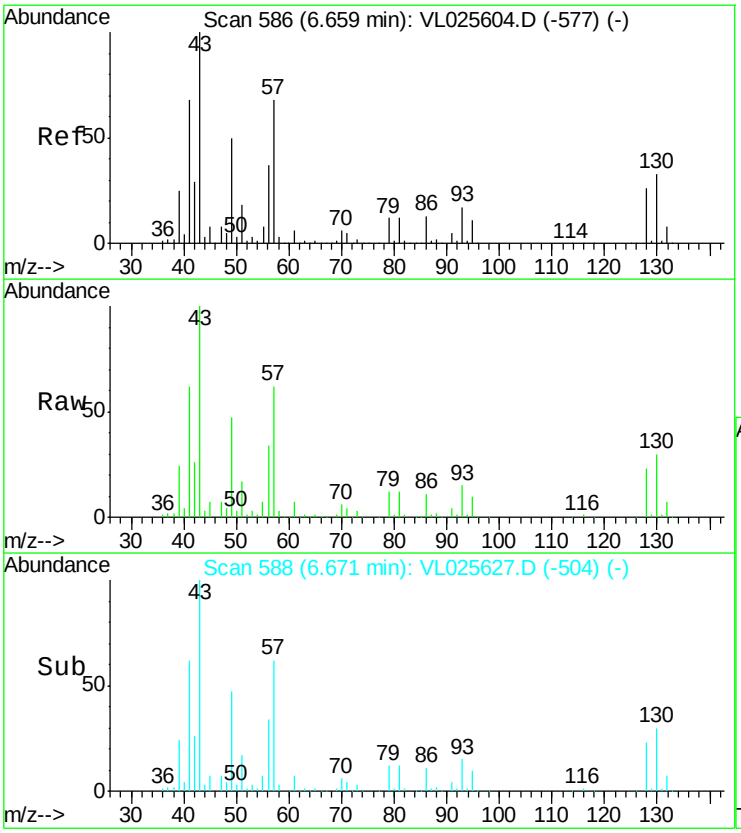
#25
Ethyl Acetate
Concen: 9.11 ppbv
RT: 6.68 min Scan# 589
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1594968

Ion	Ratio	Lower	Upper
43	100		
45	9.3	7.5	11.3
61	8.4	6.6	10.0
70	7.1	6.0	9.0

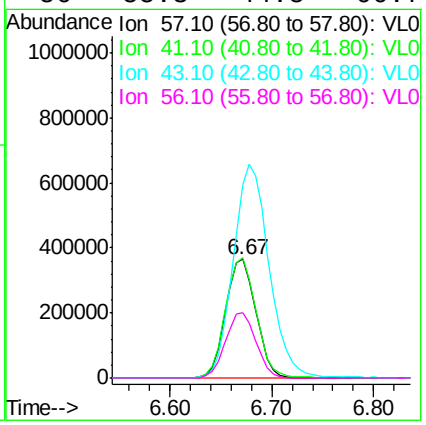


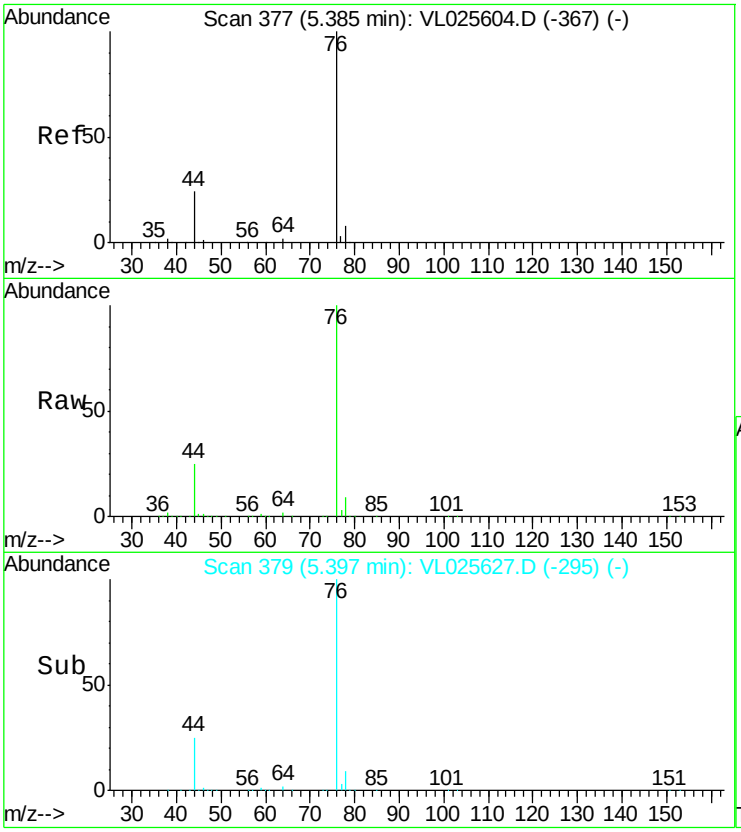


#26
Hexane
Concen: 9.08 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 57 Resp: 748460

Ion	Ratio	Lower	Upper
57	100		
41	104.6	81.4	122.2
43	214.7	171.4	257.2
56	55.3	44.5	66.7



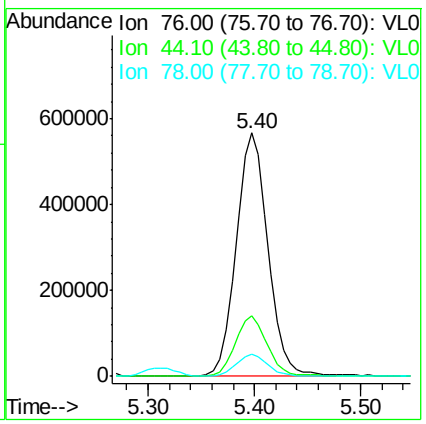


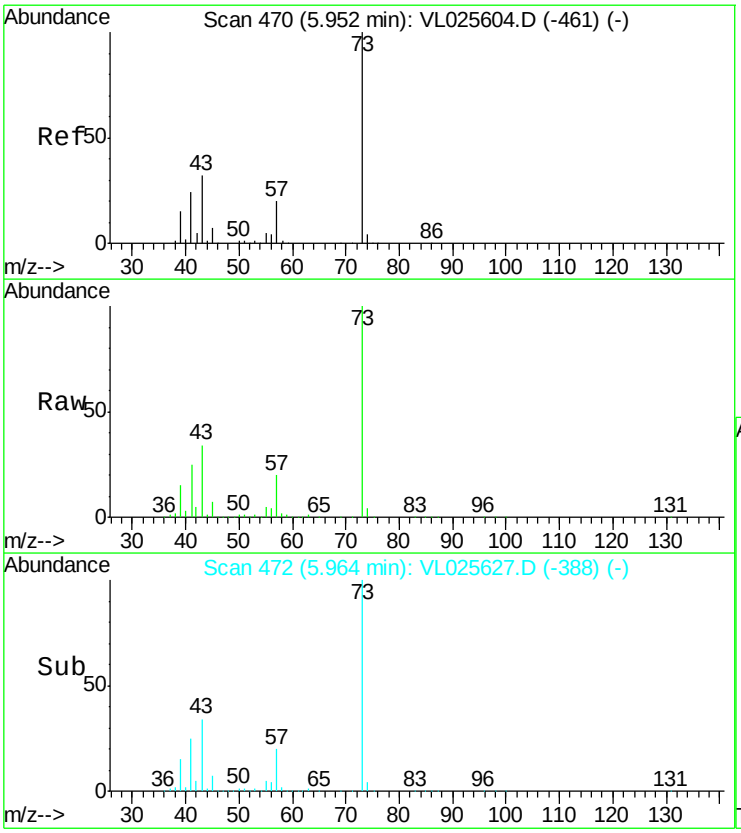
#27
Carbon Disulfide
Concen: 8.88 ppbv
RT: 5.40 min Scan# 379
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1186173

Ion	Ratio	Lower	Upper
76	100		
44	24.8	20.2	30.4
78	9.4	7.4	11.2

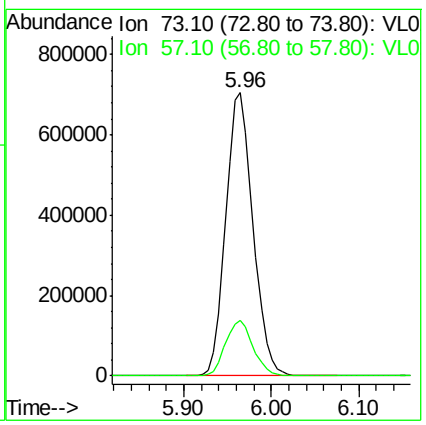


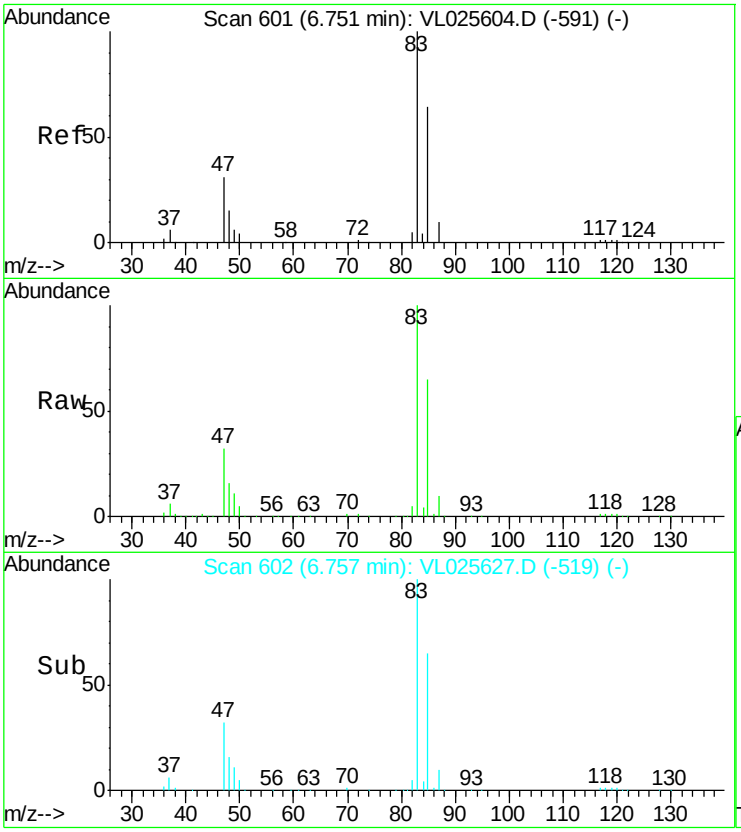


#28
Methyl tert-Butyl Ether
Concen: 9.29 ppbv
RT: 5.96 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 73 Resp: 1522110

Ion	Ratio	Lower	Upper
73	100		
57	20.0	16.0	24.0



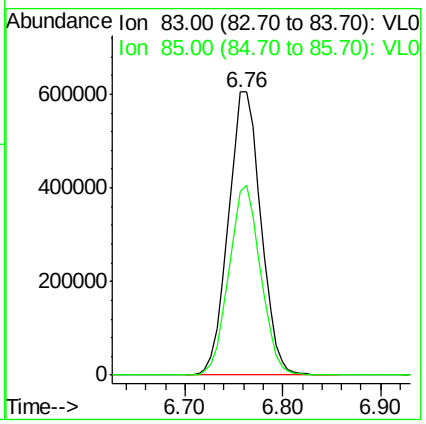


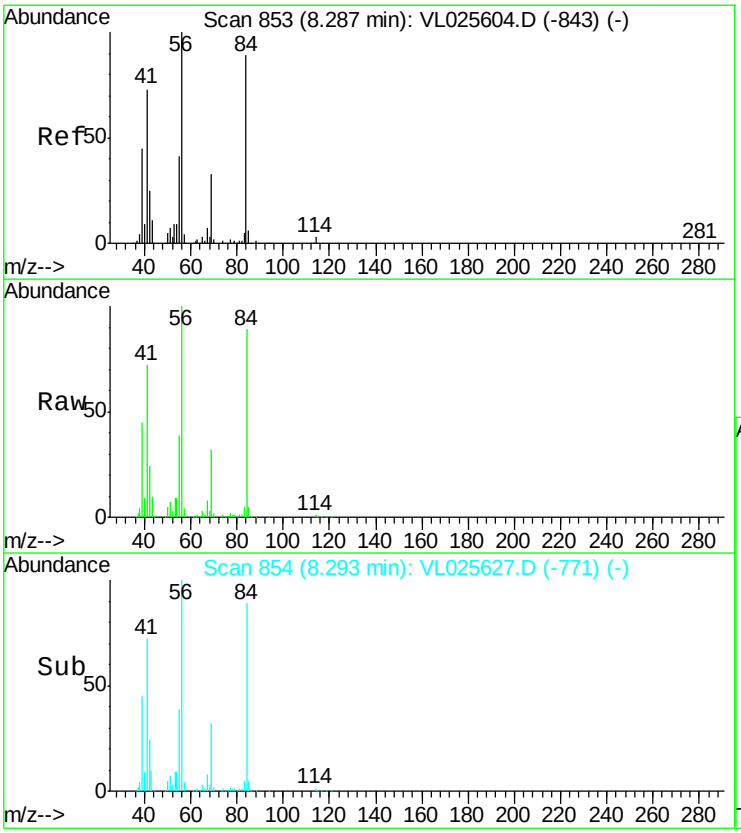
#29
Chloroform
Concen: 8.59 ppbv
RT: 6.76 min Scan# 602
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1399177

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4

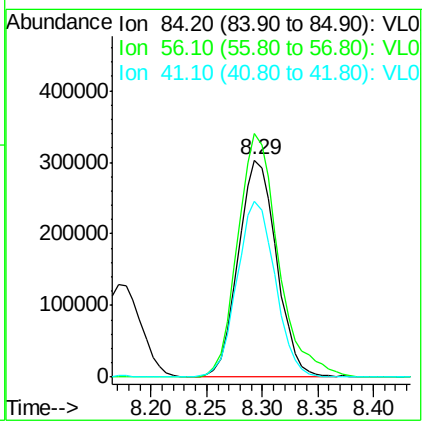


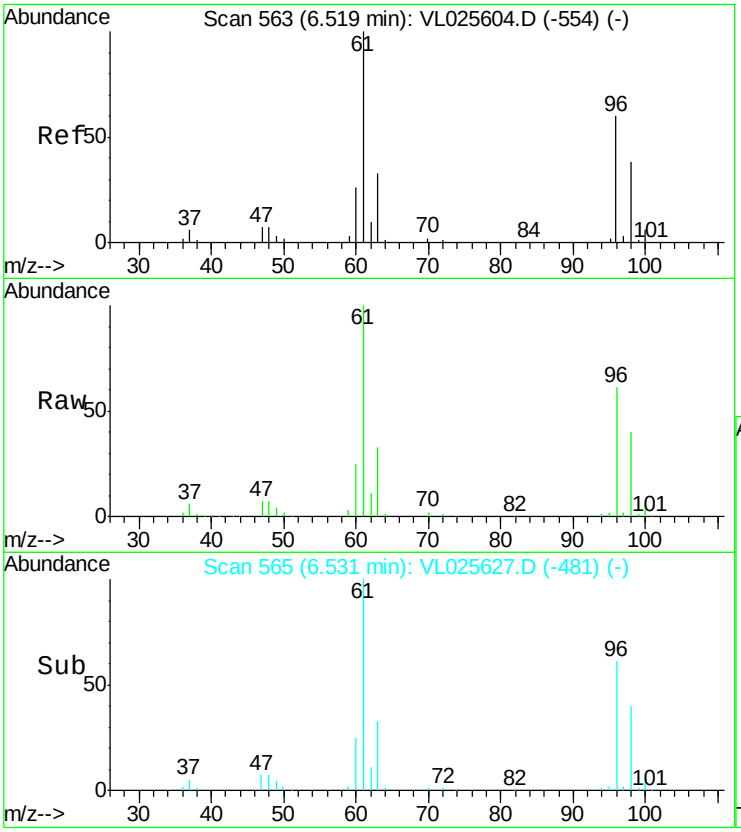


#30
Cyclohexane
Concen: 9.21 ppbv
RT: 8.29 min Scan# 854
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 84 Resp: 726161

Ion	Ratio	Lower	Upper
84	100		
56	119.5	97.5	146.3
41	81.2	65.4	98.2



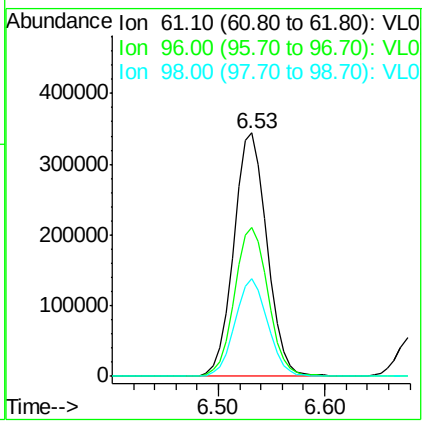


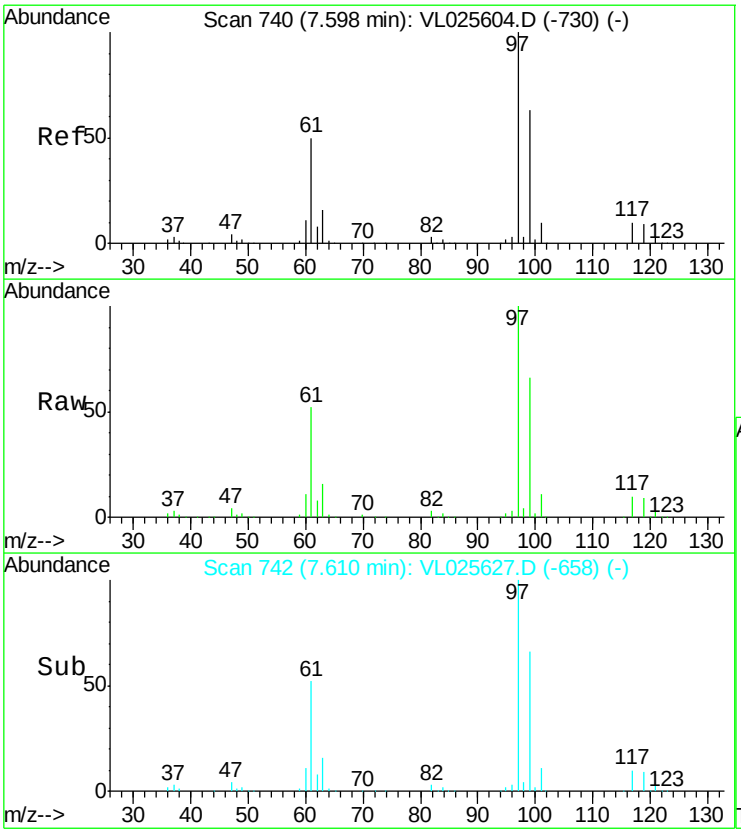
#31
cis-1,2-Dichloroethene
Concen: 9.22 ppbv
RT: 6.53 min Scan# 565
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 755798

Ion	Ratio	Lower	Upper
61	100		
96	61.1	48.1	72.1
98	40.2	30.7	46.1

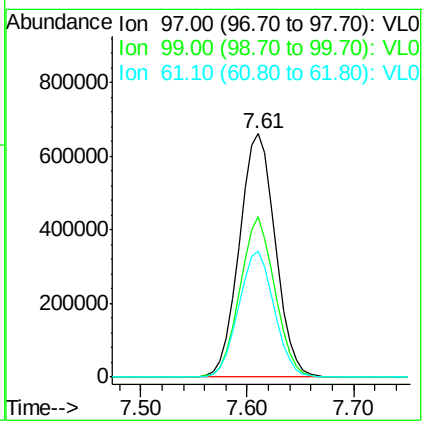


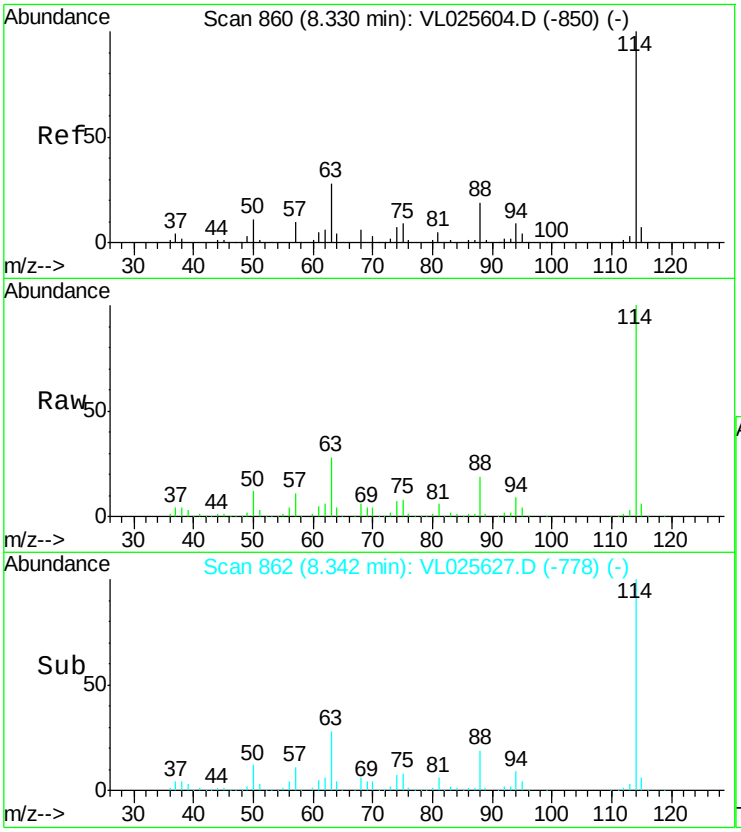


#32
1,1,1-Trichloroethane
Concen: 8.88 ppbv
RT: 7.61 min Scan# 742
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 97 Resp: 1571623

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	51.6	40.4	60.6



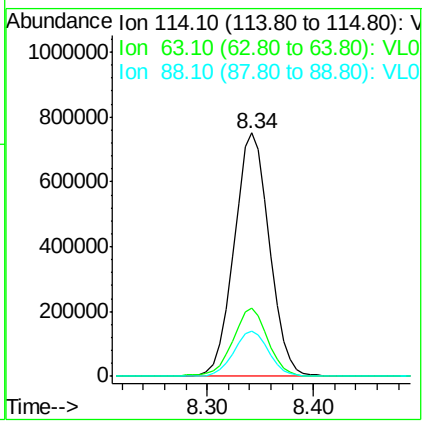


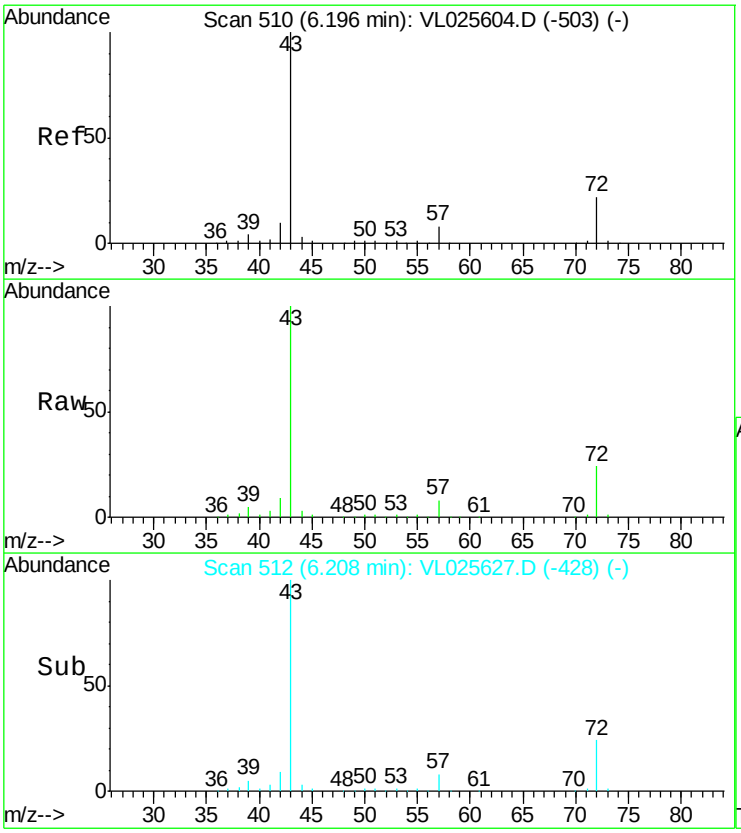
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.34 min Scan# 862
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 1737887

Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.4	33.6
88	18.6	15.0	22.4

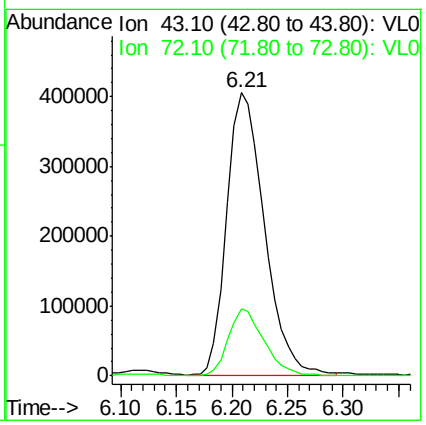


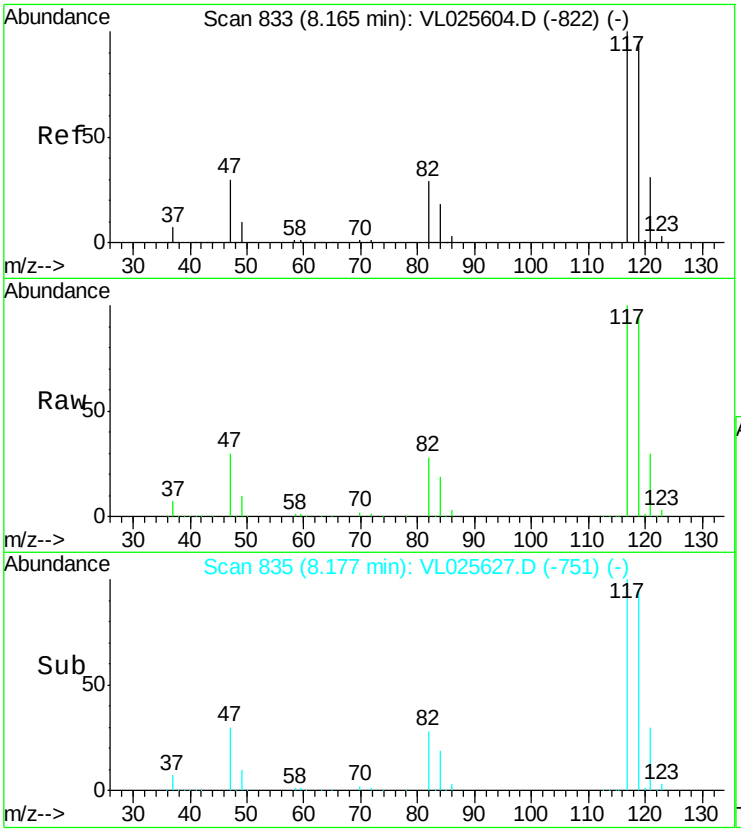


#34
2-Butanone
Concen: 9.61 ppbv
RT: 6.21 min Scan# 512
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 43 Resp: 947983

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.6	28.0



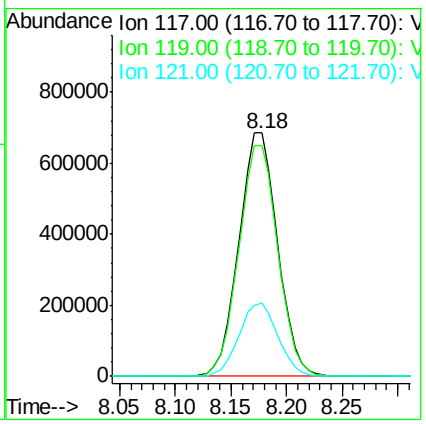


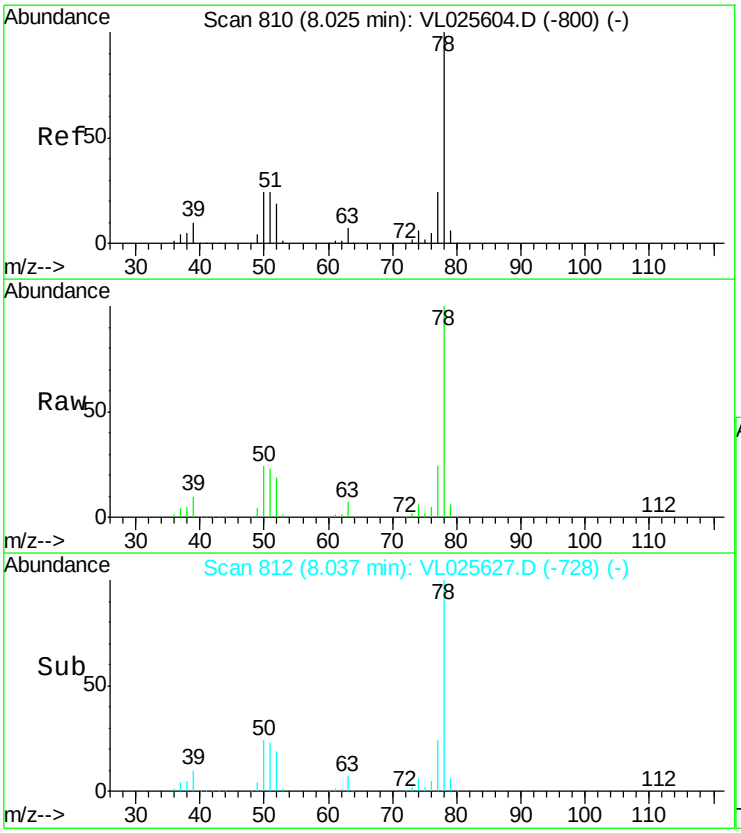
#35
Carbon Tetrachloride
Concen: 8.95 ppbv
RT: 8.18 min Scan# 835
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 1658177

Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.9	113.9
121	30.3	24.4	36.6

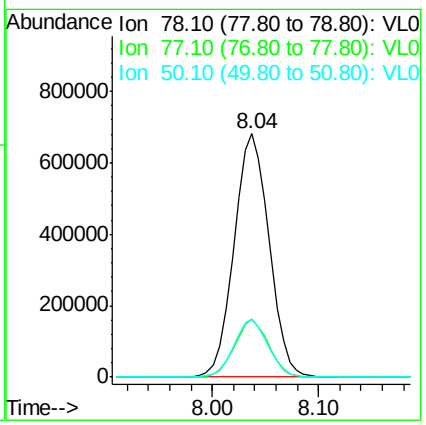


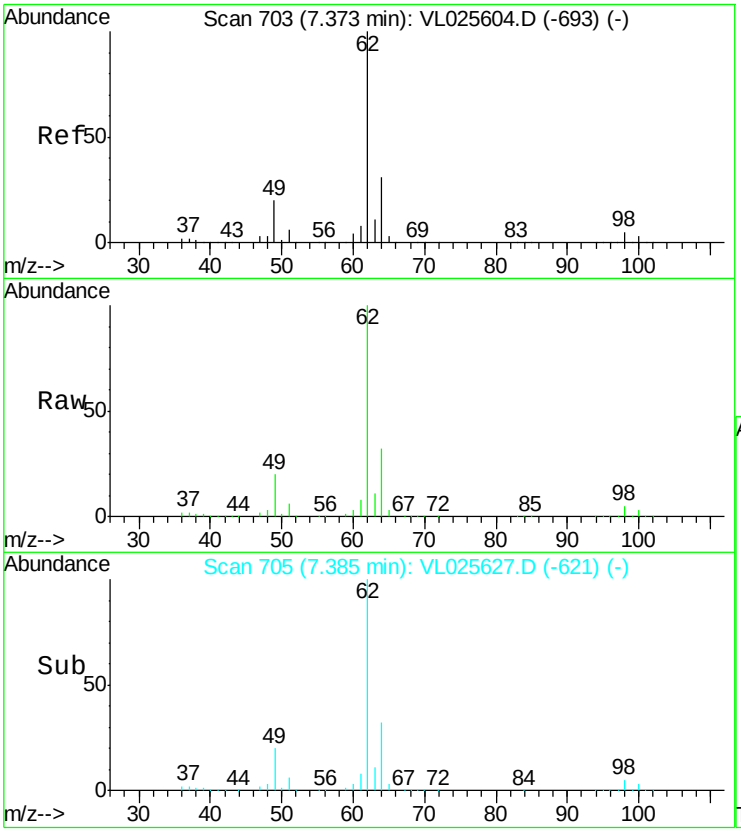


#36
Benzene
Concen: 9.46 ppbv
RT: 8.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 78 Resp: 1573961

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4
50	23.8	19.2	28.8



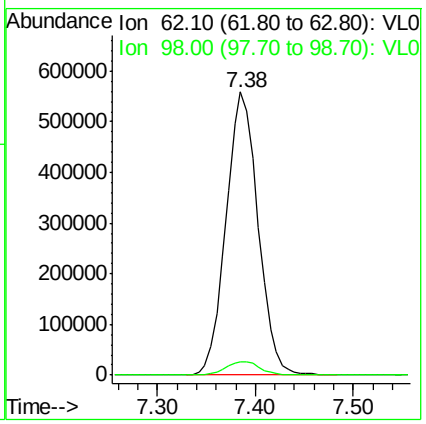


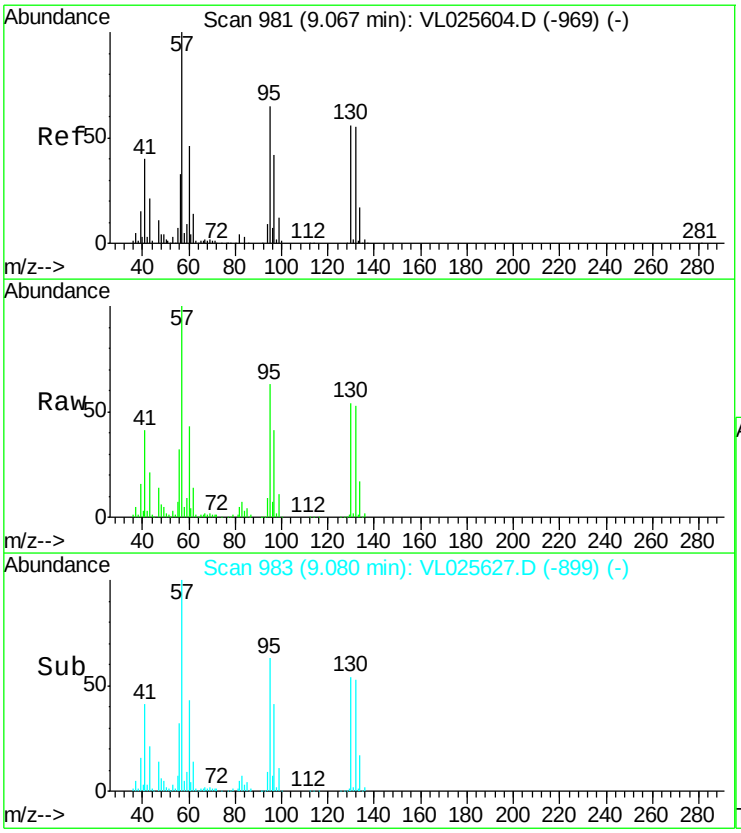
#37
1,2-Dichloroethane
Concen: 8.94 ppbv
RT: 7.38 min Scan# 705
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1270259

Ion	Ratio	Lower	Upper
62	100		
98	5.1	4.1	6.1

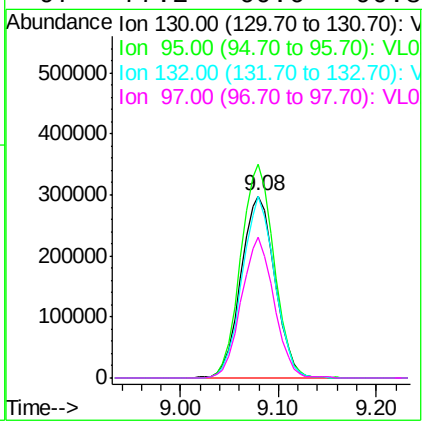


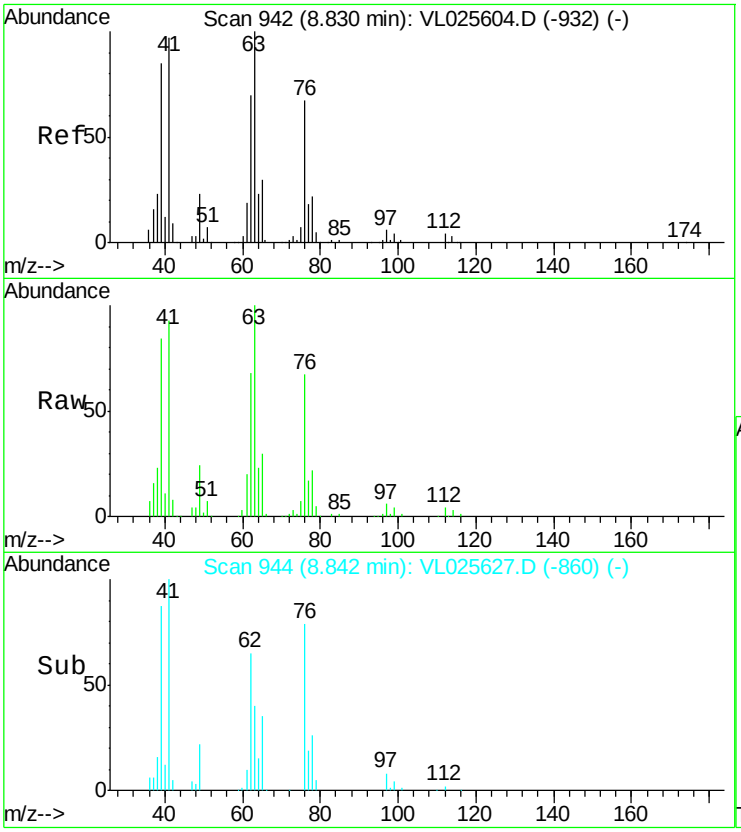


#38
Trichloroethene
Concen: 9.29 ppbv
RT: 9.08 min Scan# 983
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:130 Resp: 719117

Ion	Ratio	Lower	Upper
130	100		
95	117.4	94.2	141.4
132	99.8	78.6	118.0
97	77.2	60.6	90.8



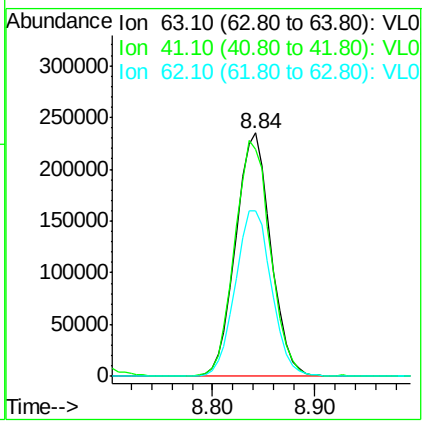


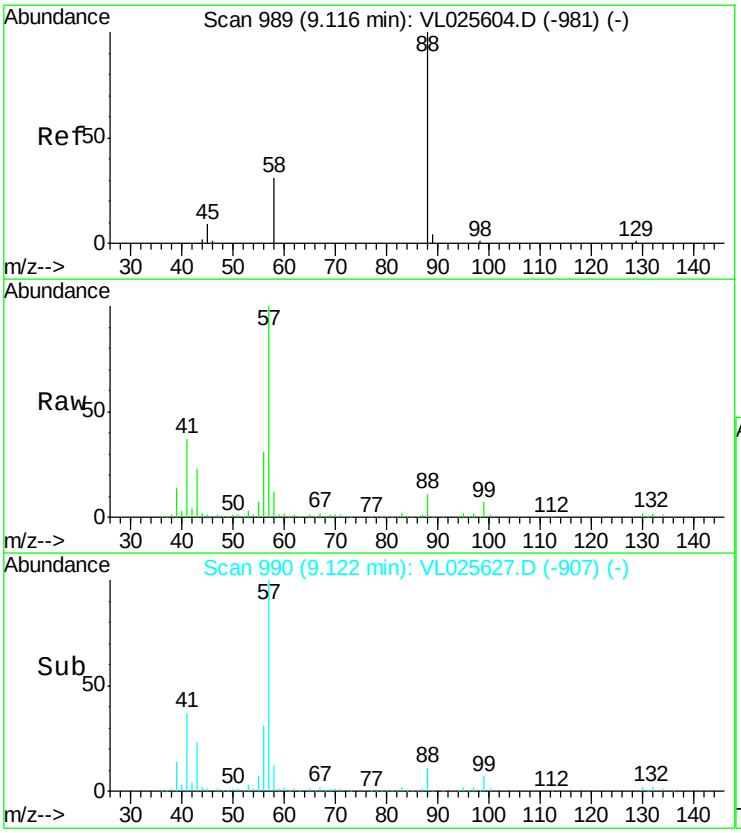
#39
1,2-Dichloropropane
Concen: 9.14 ppbv
RT: 8.84 min Scan# 944
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 561733

Ion	Ratio	Lower	Upper
63	100		
41	93.5	78.0	117.0
62	68.2	55.7	83.5

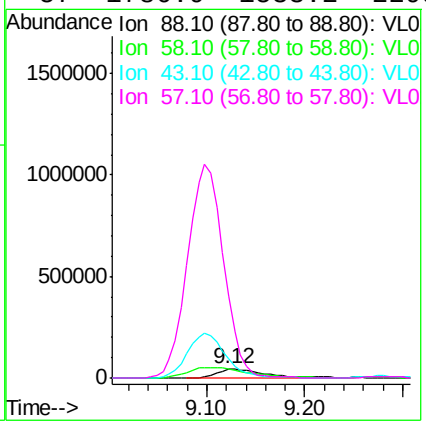


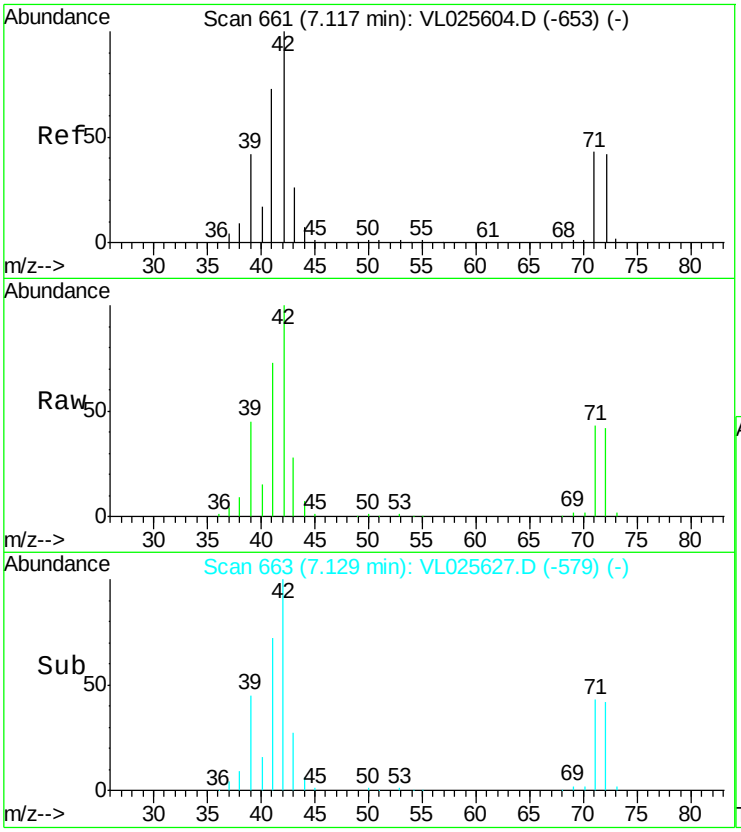


#40
1,4-Dioxane
Concen: 15.68 ppbv
RT: 9.12 min Scan# 990
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 88 Resp: 151206

Ion	Ratio	Lower	Upper
88	100		
58	153.8	127.1	190.7
43	401.2	337.7	506.5
57	1786.9	1533.2	2299.8



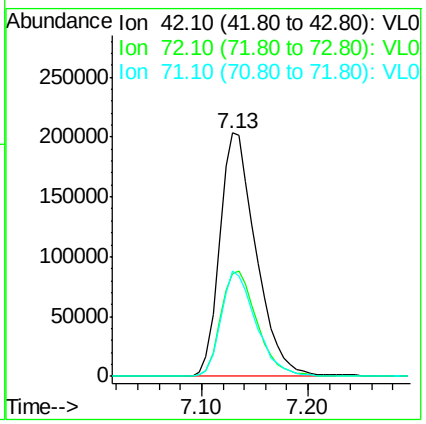


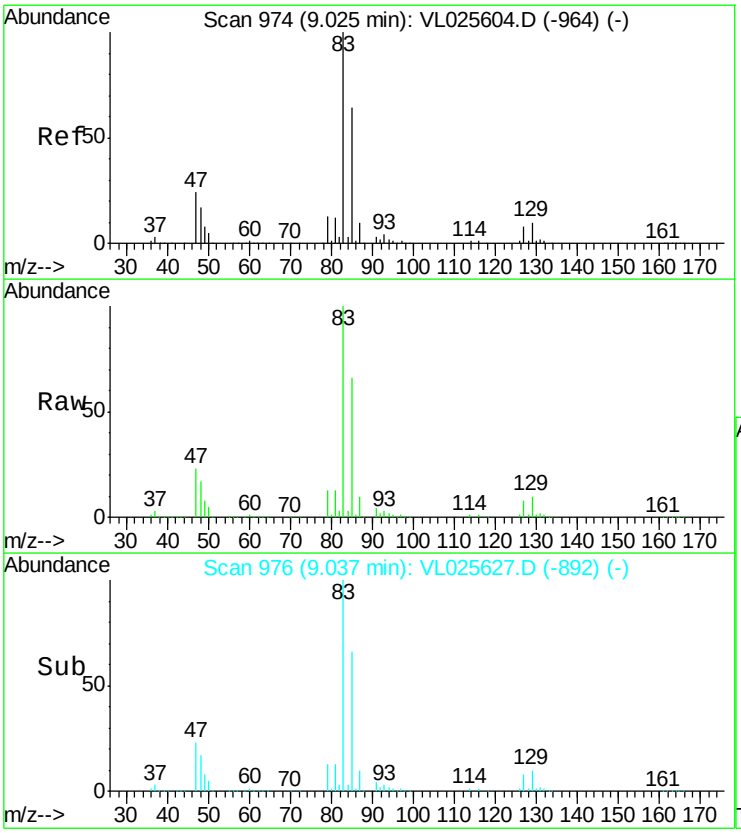
#41
Tetrahydrofuran
Concen: 9.85 ppbv
RT: 7.13 min Scan# 663
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 42 Resp: 484850

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.0	51.0
71	41.6	33.0	49.6

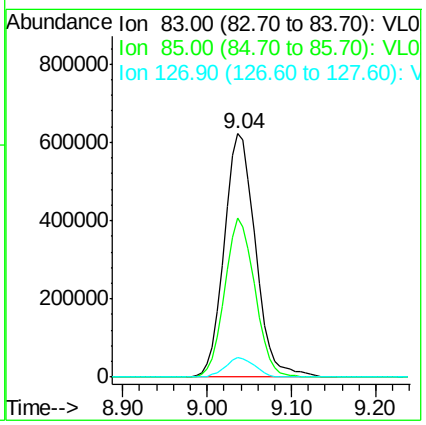


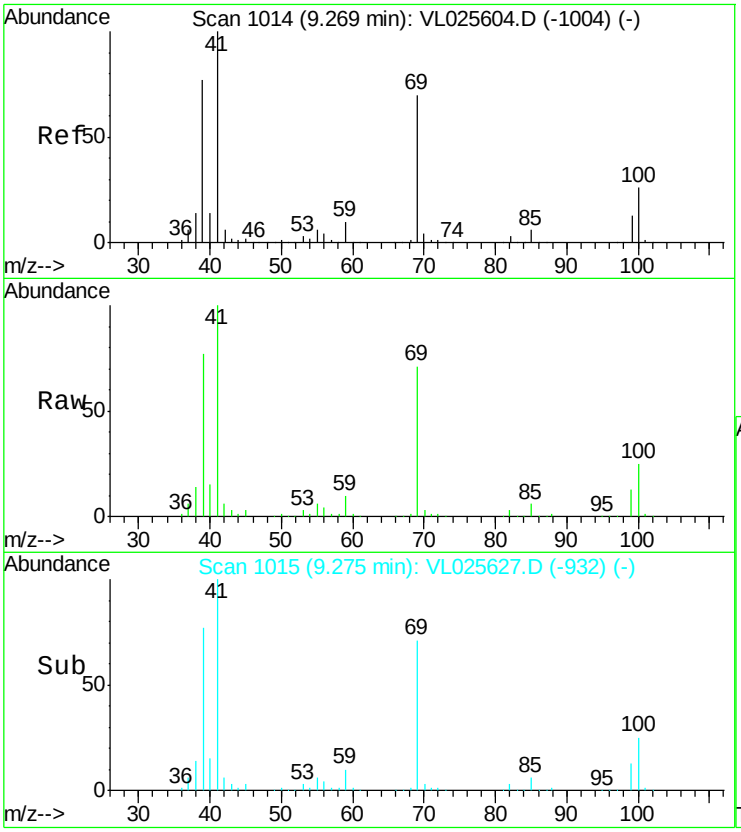


#42
Bromodichloromethane
Concen: 9.19 ppbv
RT: 9.04 min Scan# 976
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 83 Resp: 1574715

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.3	76.9
127	8.2	6.0	9.0



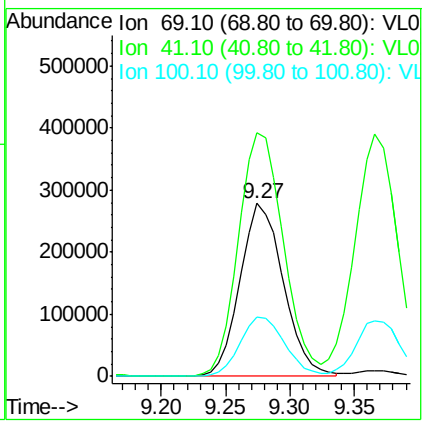


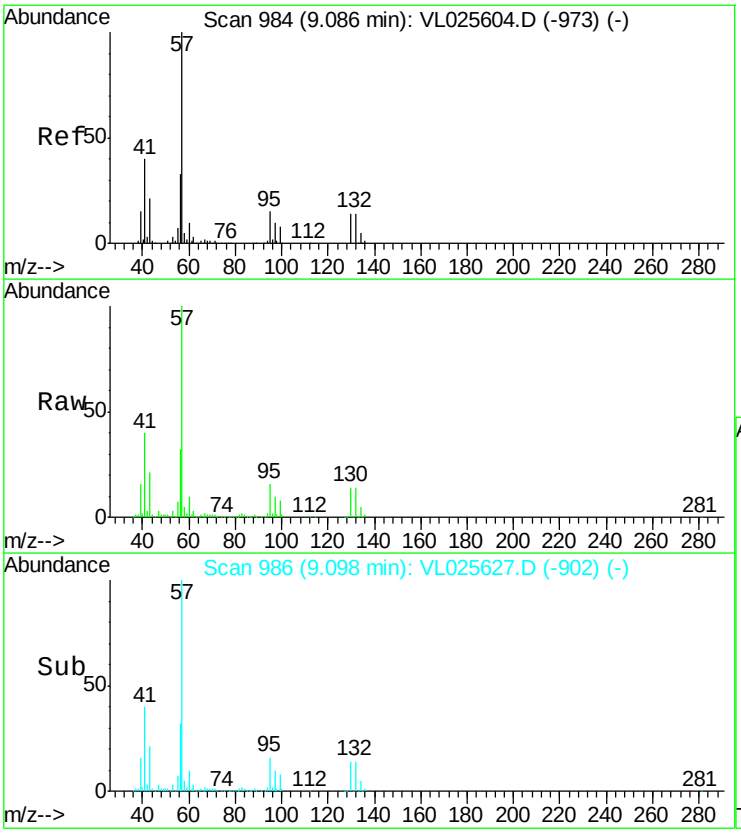
#43
Methyl Methacrylate
Concen: 10.19 ppbv
RT: 9.27 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 650868

Ion	Ratio	Lower	Upper
69	100		
41	147.3	117.3	175.9
100	35.7	29.0	43.6

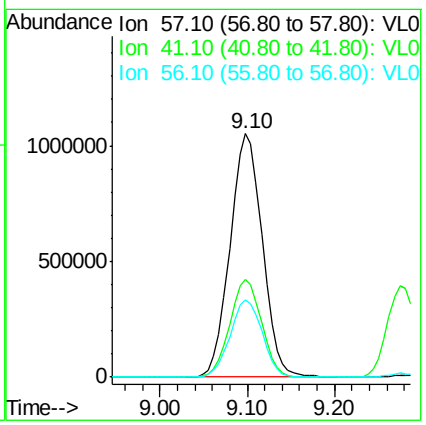


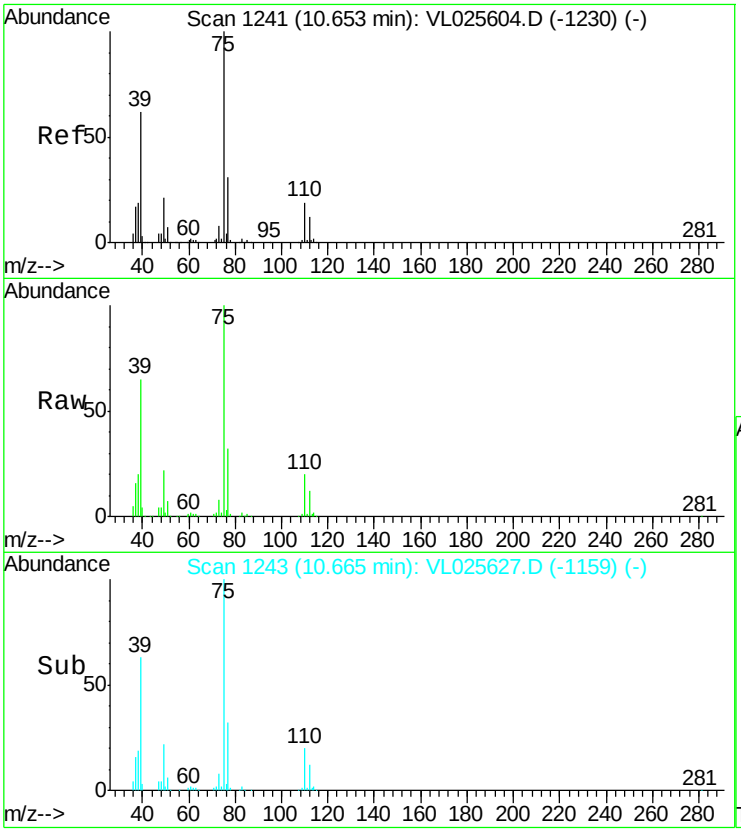


#44
2,2,4-Trimethylpentane
Concen: 9.45 ppbv
RT: 9.10 min Scan# 986
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 57 Resp: 2697938

Ion	Ratio	Lower	Upper
57	100		
41	39.5	31.2	46.8
56	31.7	25.4	38.2



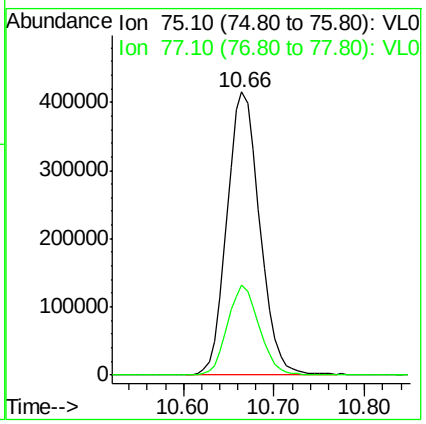


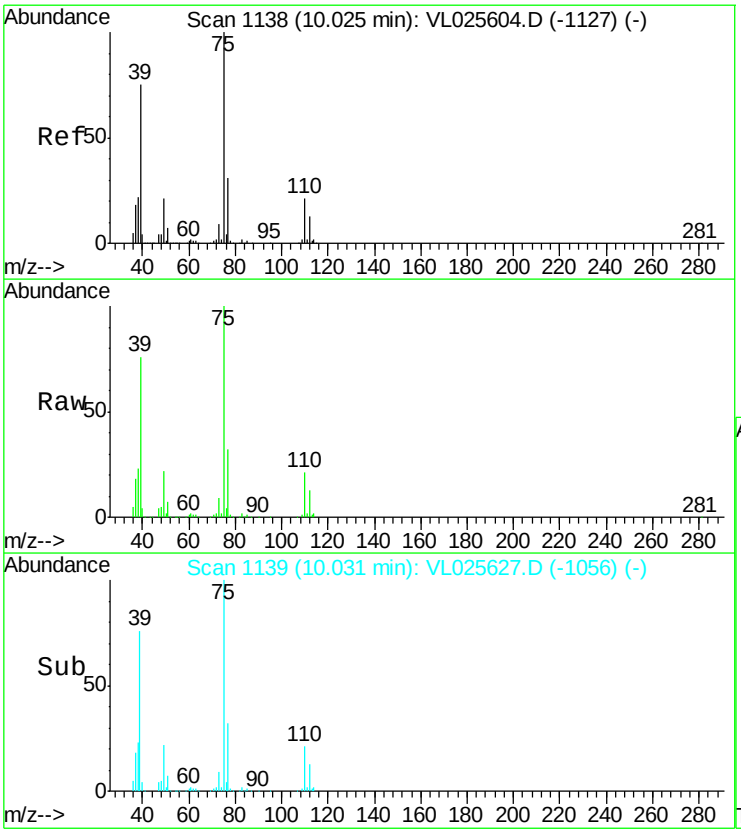
#45
t-1,3-Dichloropropene
Concen: 9.73 ppbv
RT: 10.66 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 75 Resp: 1045391

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	37.0

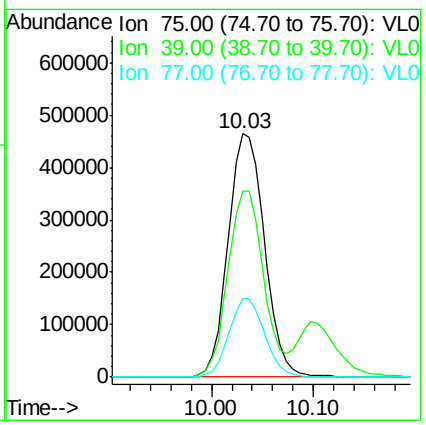


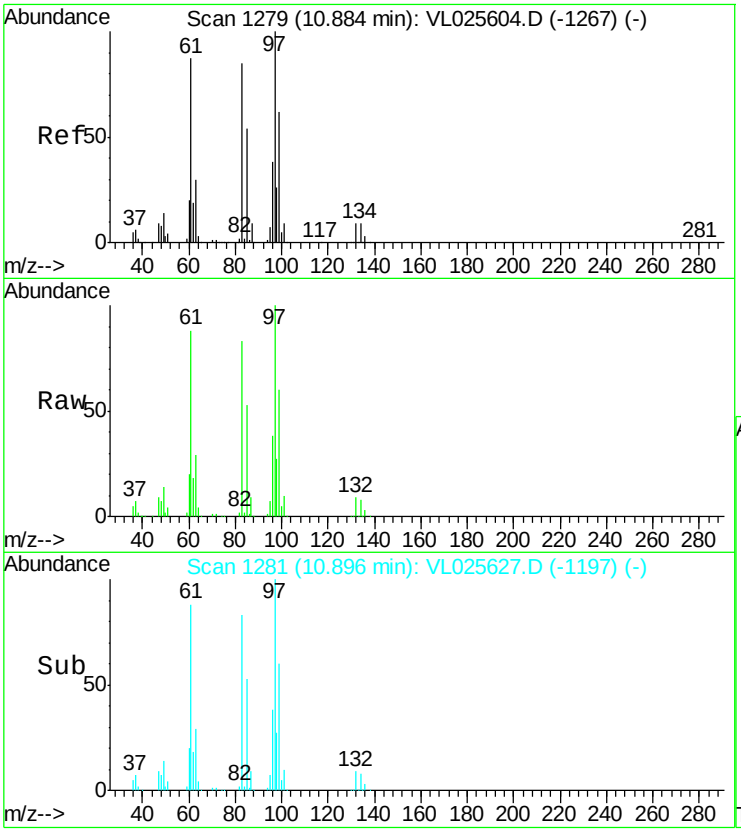


#46
cis-1,3-Dichloropropene
Concen: 9.67 ppbv
RT: 10.03 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 75 Resp: 1148505

Ion	Ratio	Lower	Upper
75	100		
39	76.2	60.4	90.6
77	32.2	24.6	37.0



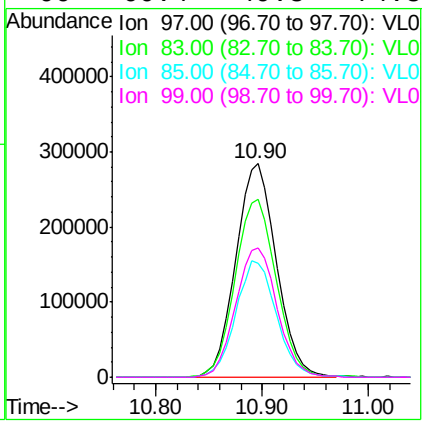


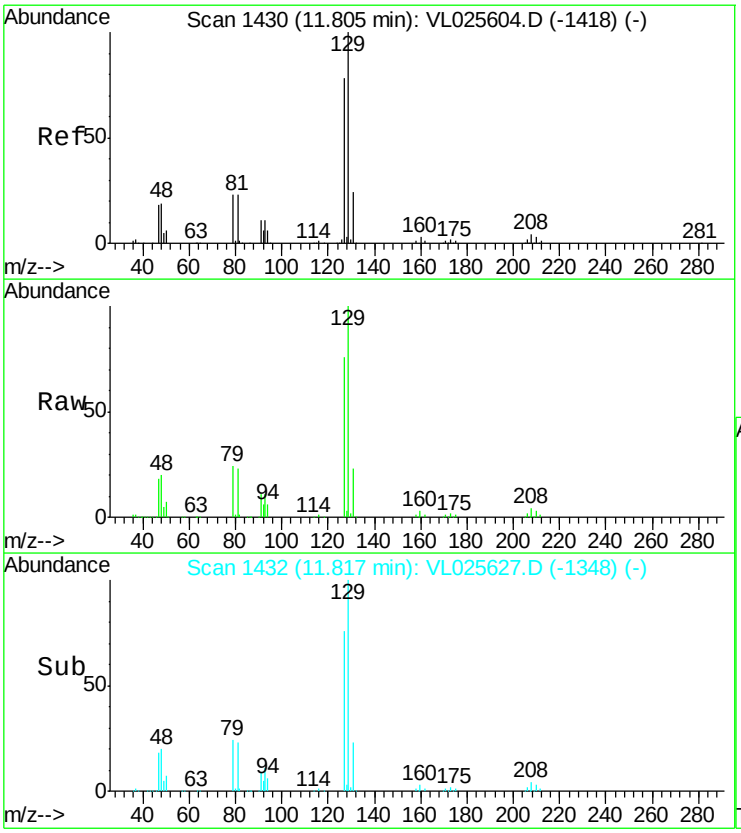
#47
1,1,2-Trichloroethane
Concen: 8.92 ppbv
RT: 10.90 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 763192

Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.8	101.8
85	53.3	43.5	65.3
99	60.4	49.8	74.8

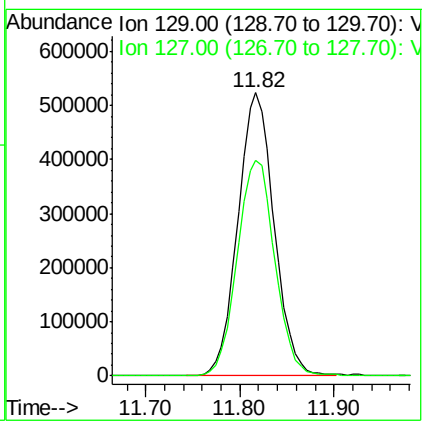


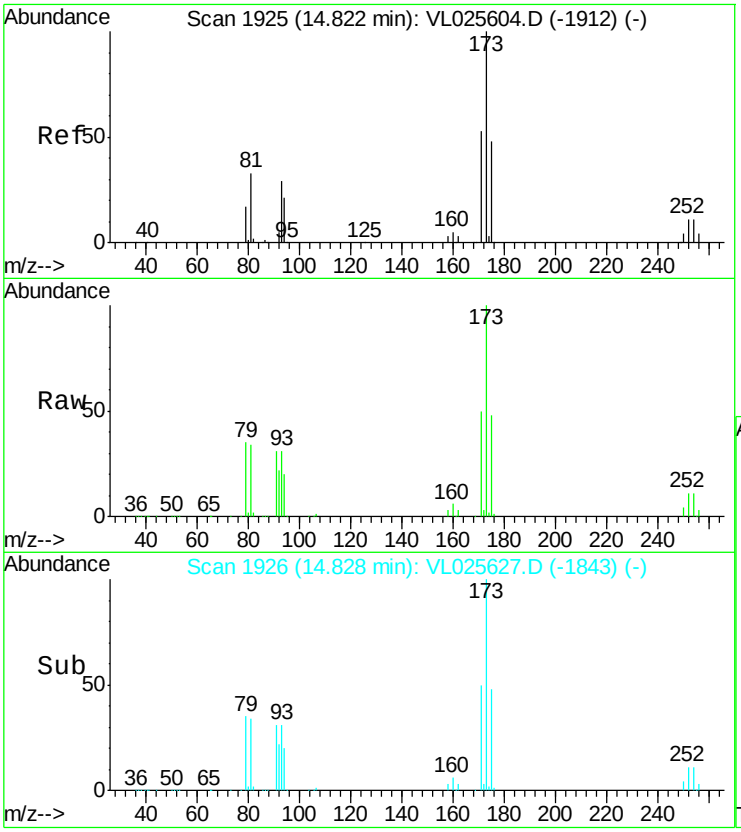


#48
Dibromochloromethane
Concen: 9.22 ppbv
RT: 11.82 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:129 Resp: 1411774

Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.0	116.9



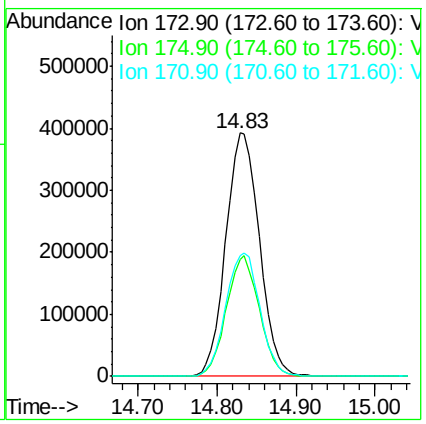


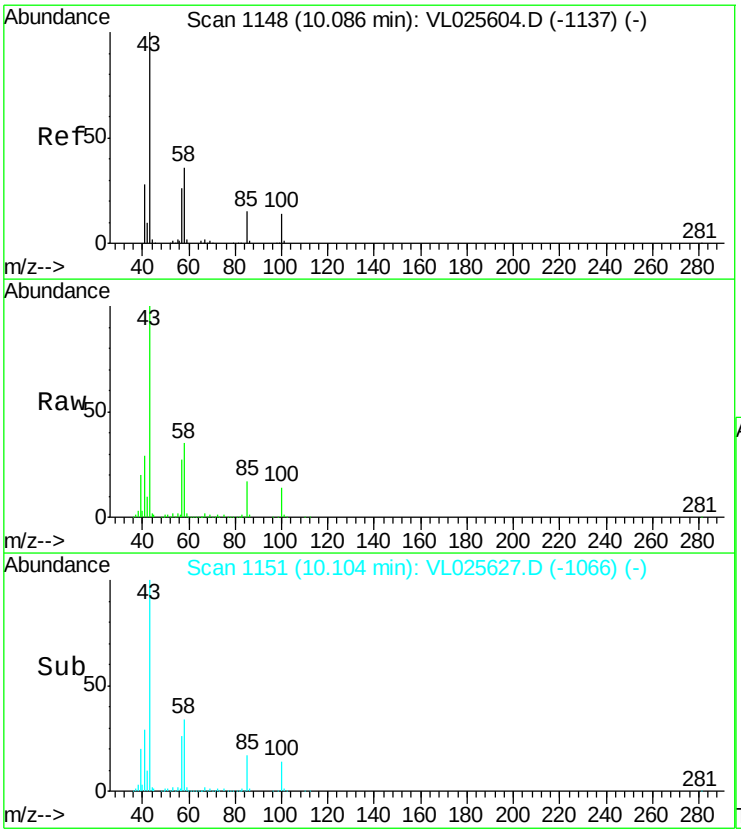
#49
Bromoform
Concen: 9.26 ppbv
RT: 14.83 min Scan# 1926
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1169293

Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.5	59.3
171	51.4	42.2	63.2

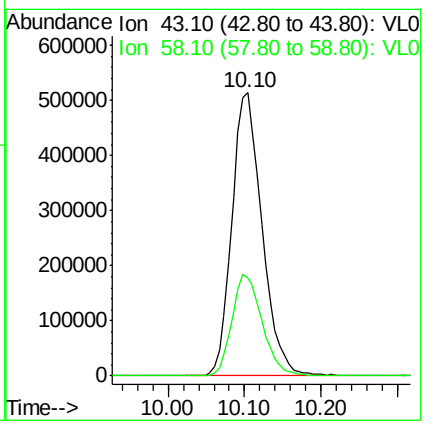


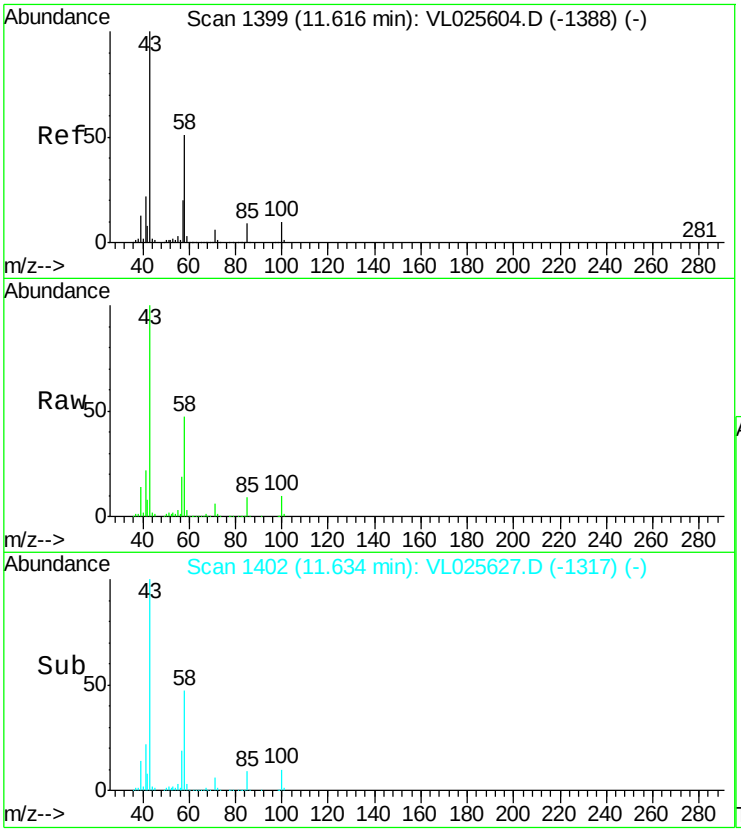


#50
4-Methyl-2-Pentanone
Concen: 9.85 ppbv
RT: 10.10 min Scan# 1151
Delta R.T. 0.02 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 43 Resp: 1398788

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.5	42.7



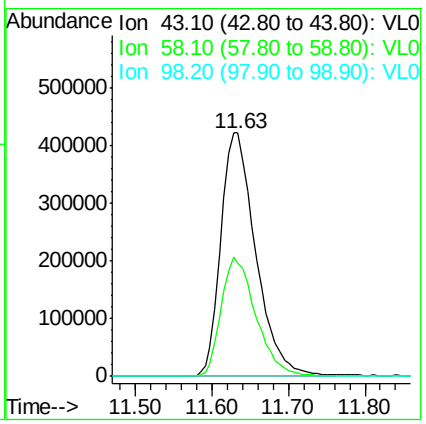


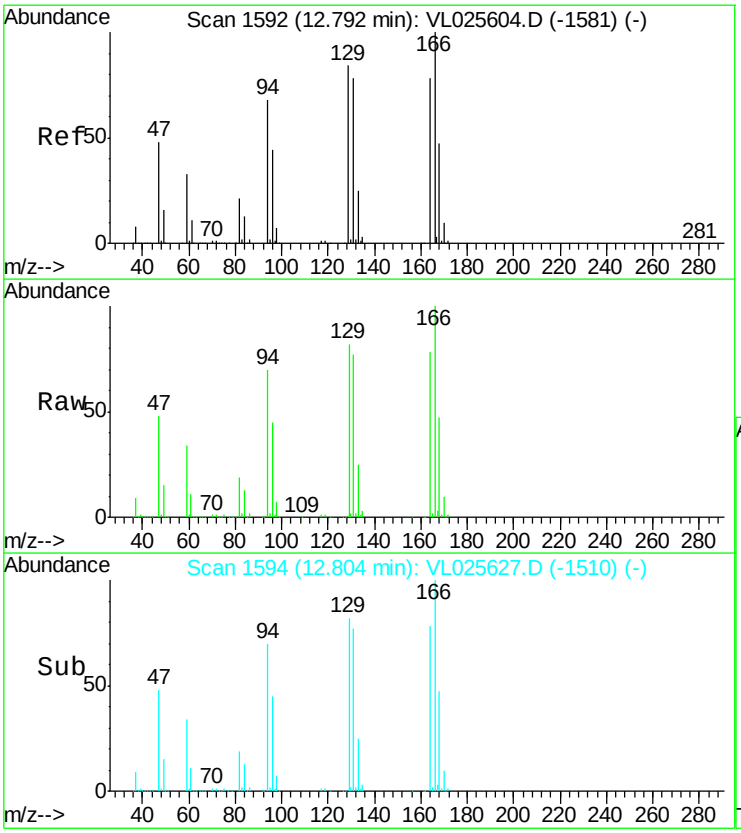
#51
2-Hexanone
Concen: 10.48 ppbv
RT: 11.63 min Scan# 1402
Delta R.T. 0.02 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1335491

Ion	Ratio	Lower	Upper
43	100		
58	48.7	39.0	58.6
98	0.3	0.2	0.4

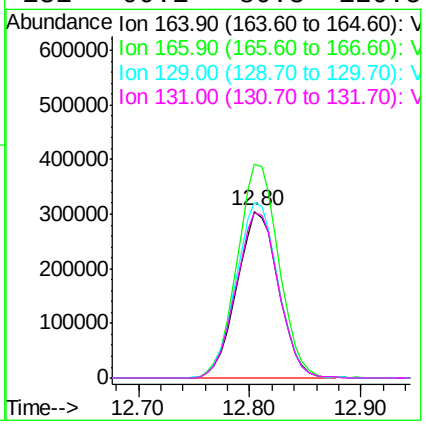


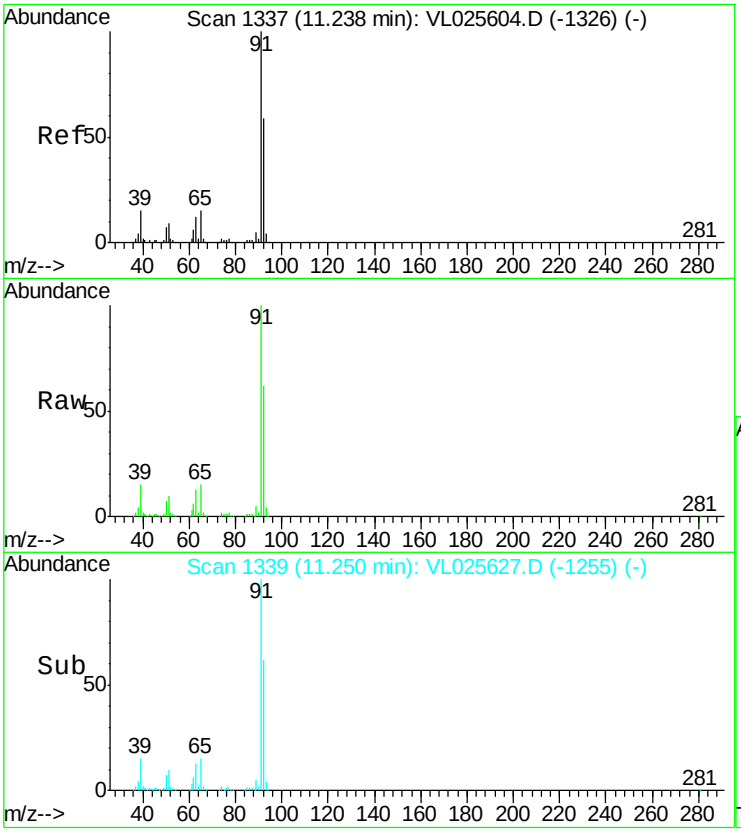


#52
Tetrachloroethene
Concen: 9.51 ppbv
RT: 12.80 min Scan# 1594
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:164 Resp: 793639

Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.3	153.5
129	104.9	86.2	129.4
131	99.1	80.3	120.5



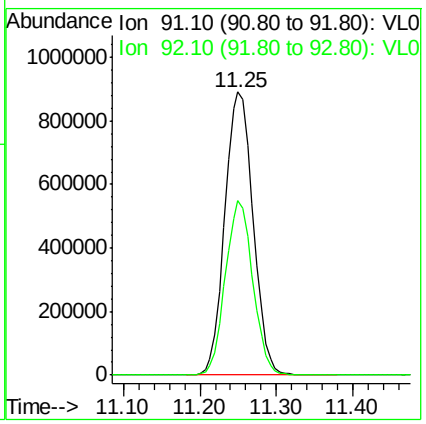


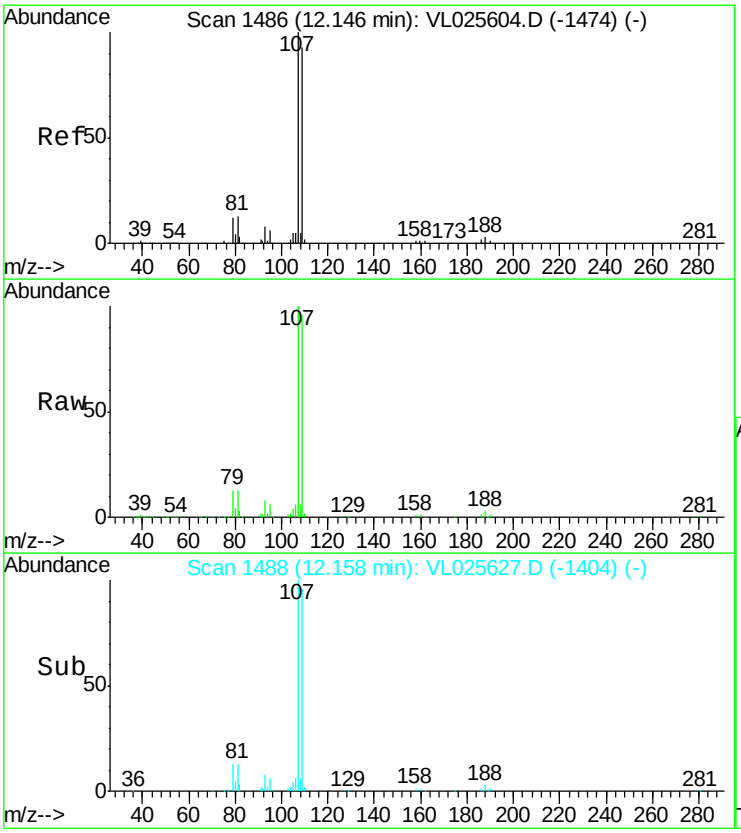
#53
Toluene
Concen: 9.75 ppbv
RT: 11.25 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2279897

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.2	72.2

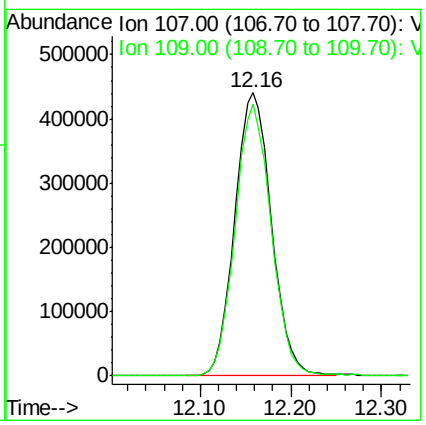


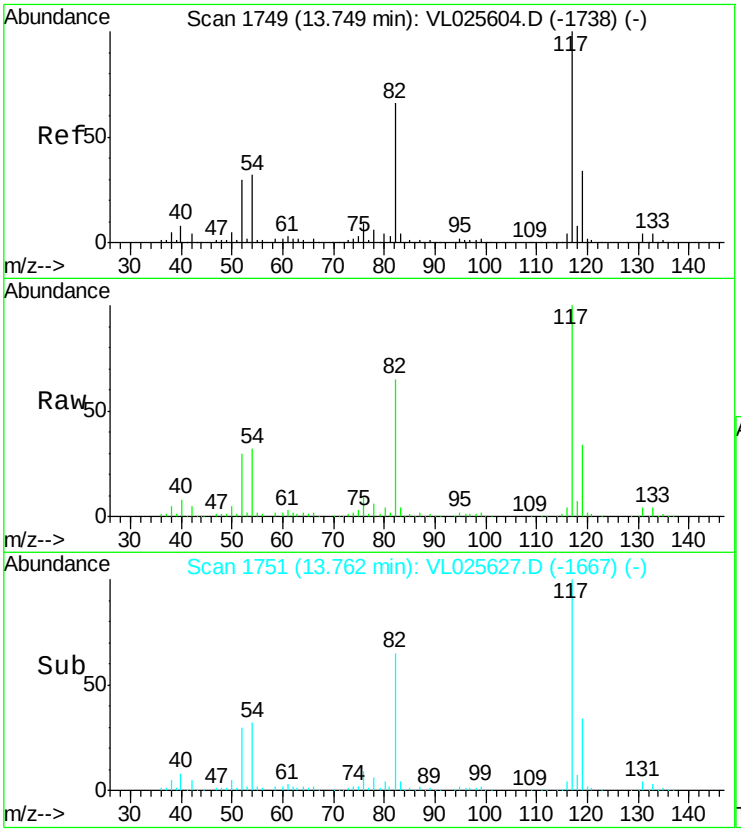


#54
1,2-Dibromoethane
Concen: 8.93 ppbv
RT: 12.16 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:107 Resp: 1236283

Ion	Ratio	Lower	Upper
107	100		
109	96.0	74.1	111.1



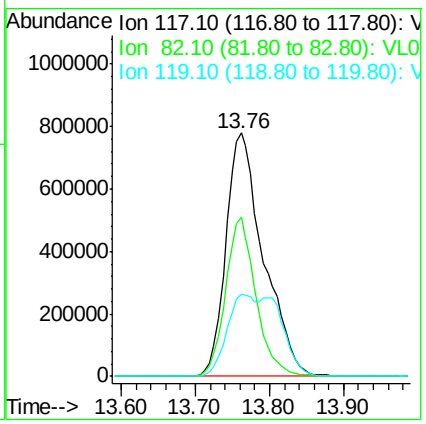


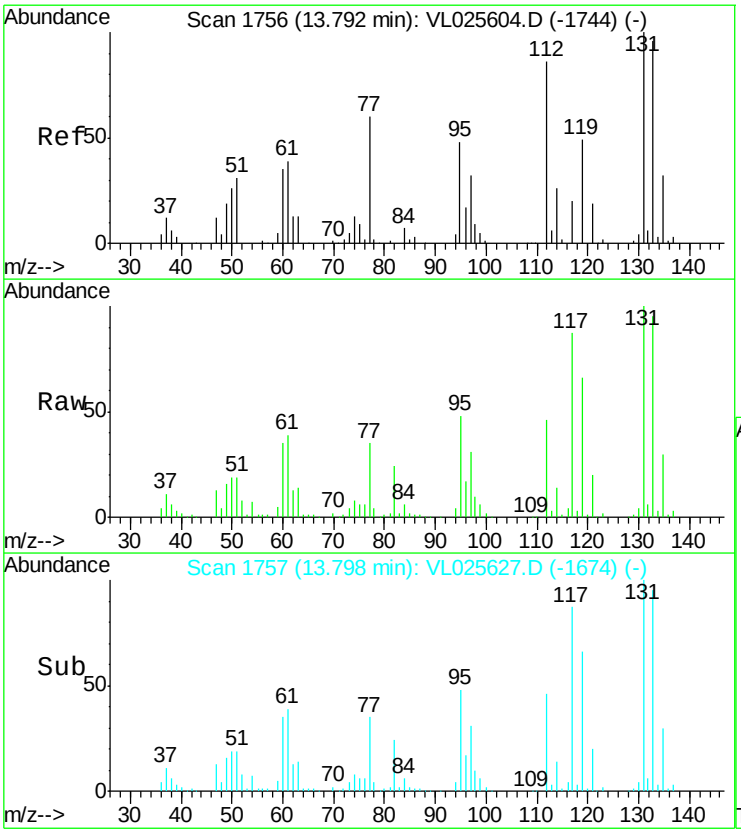
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2749677

Ion	Ratio	Lower	Upper
117	100		
82	52.9	50.5	75.7
119	47.9	45.1	67.7

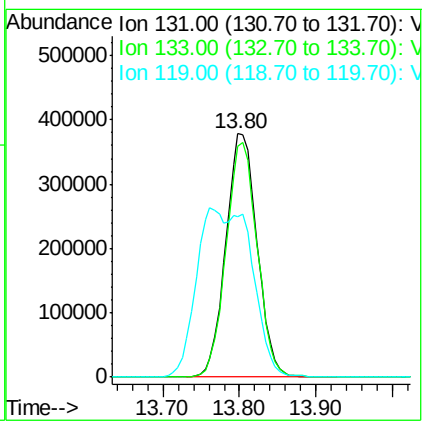


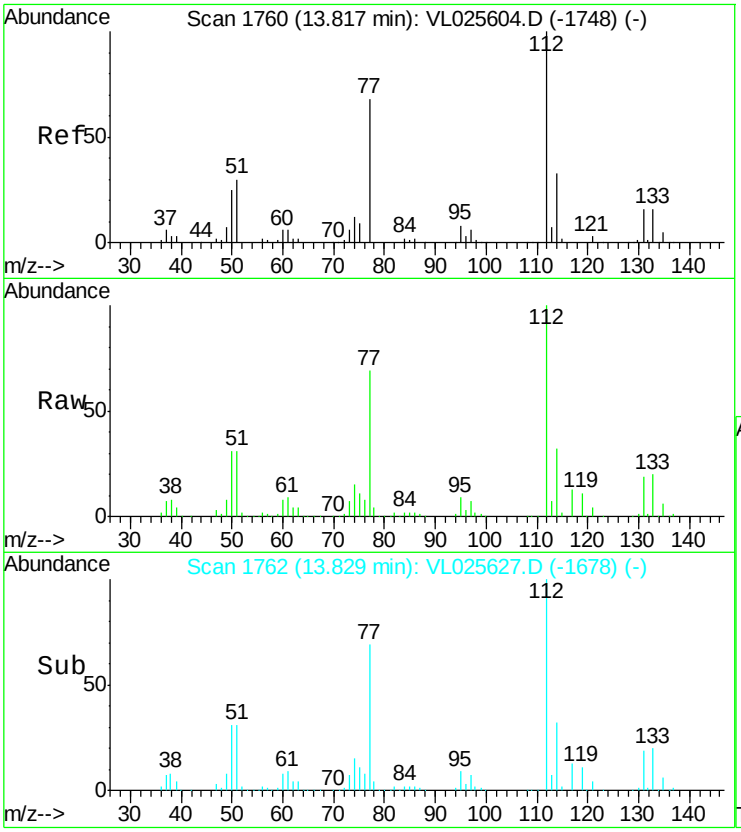


#56
1,1,1,2-Tetrachloroethane
Concen: 7.22 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:131 Resp: 1073579

Ion	Ratio	Lower	Upper
131	100		
133	95.7	76.9	115.3
119	122.6	97.8	146.8



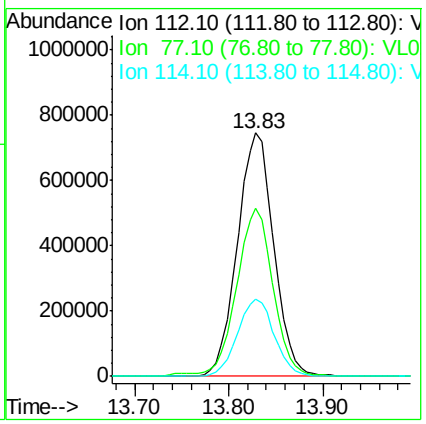


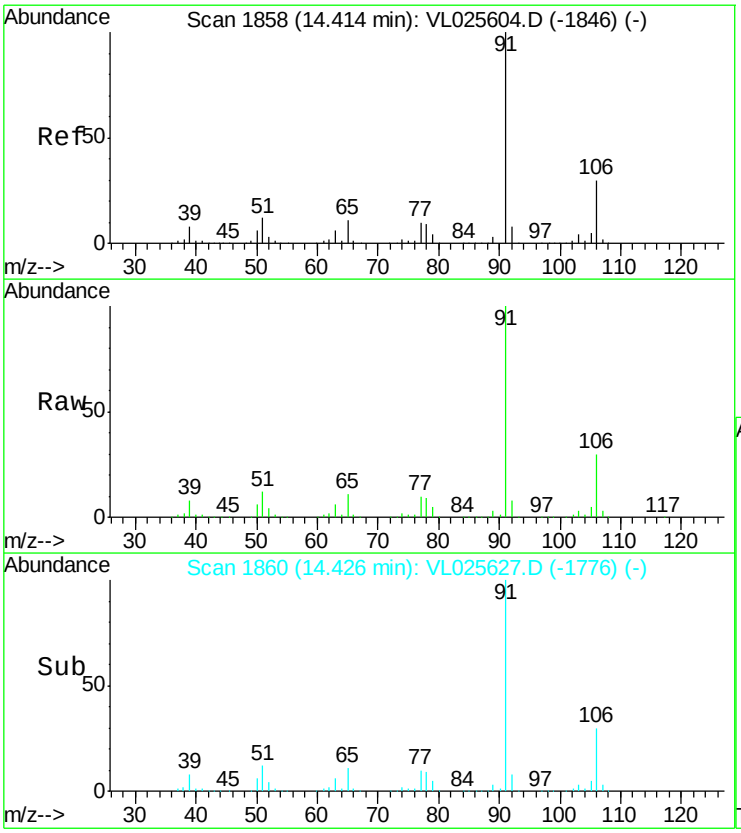
#57
Chlorobenzene
Concen: 6.89 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 2015290

Ion	Ratio	Lower	Upper
112	100		
77	68.8	55.2	82.8
114	31.5	29.4	36.0

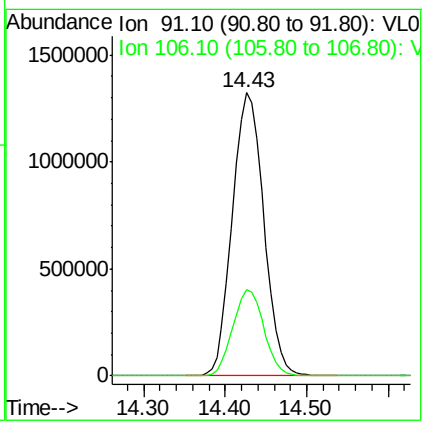


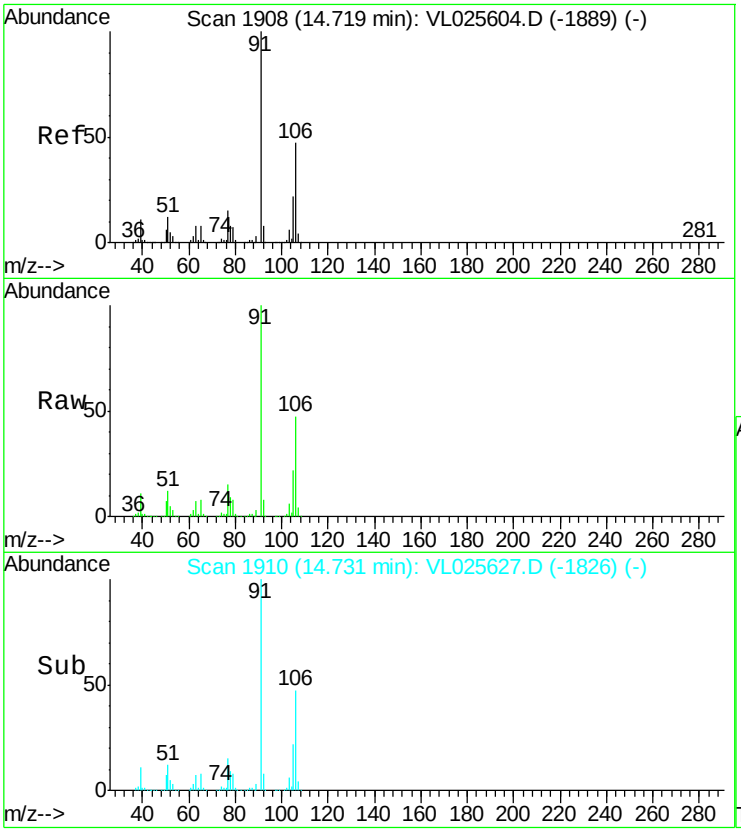


#58
Ethyl Benzene
Concen: 7.79 ppbv
RT: 14.43 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 91 Resp: 3538103

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.2



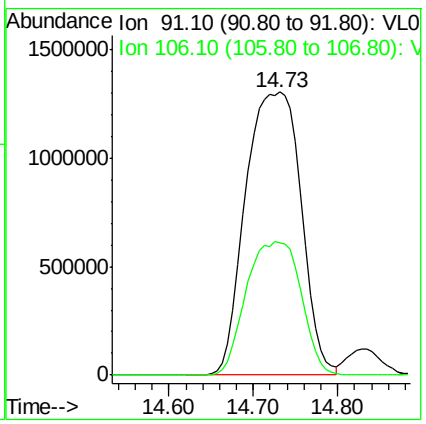


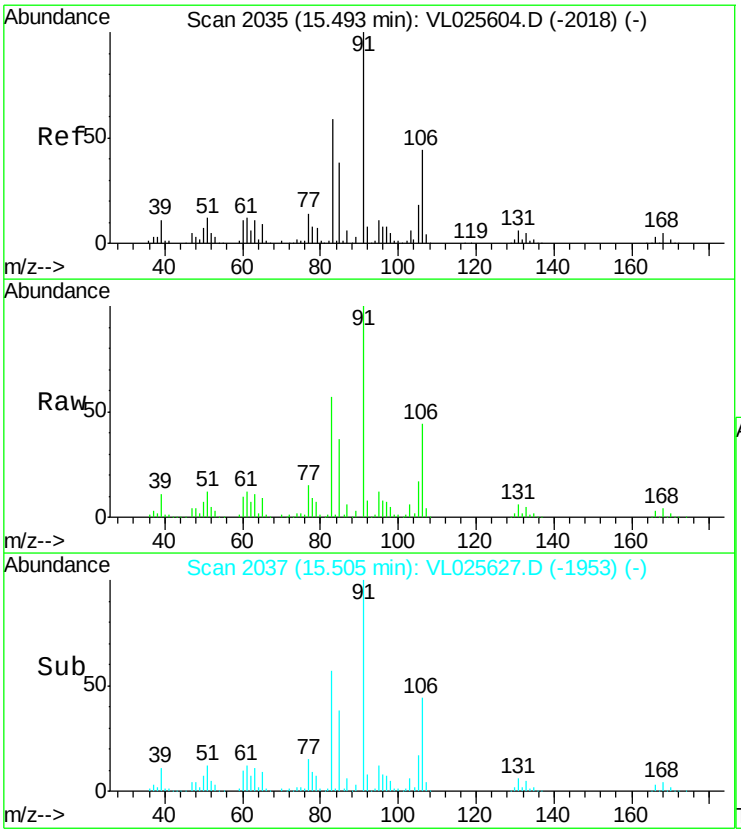
#59
m/p-Xylene
Concen: 14.74 ppbv
RT: 14.73 min Scan# 1910
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 5883148

Ion	Ratio	Lower	Upper
91	100		
106	46.8	37.9	56.9

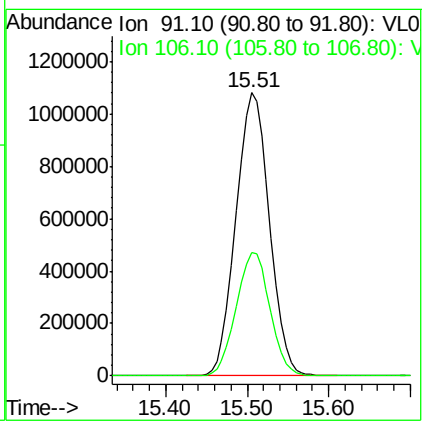


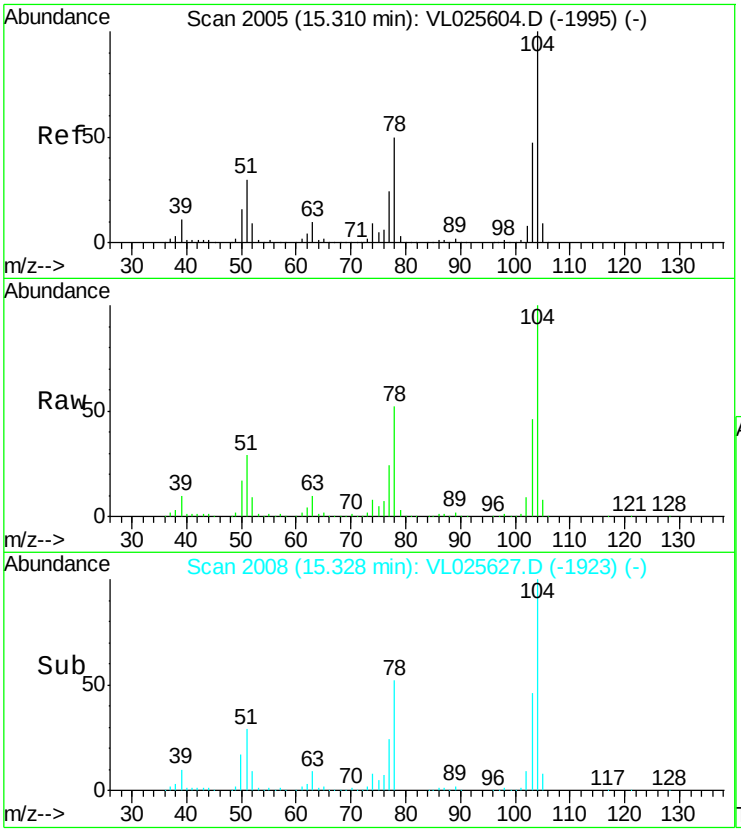


#60
o-Xylene
Concen: 7.18 ppbv
RT: 15.51 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 91 Resp: 3086624

Ion	Ratio	Lower	Upper
91	100		
106	43.8	22.1	66.1



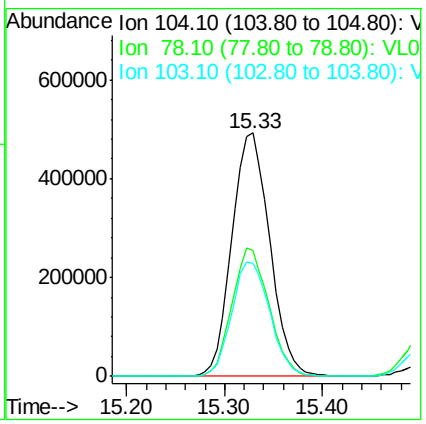


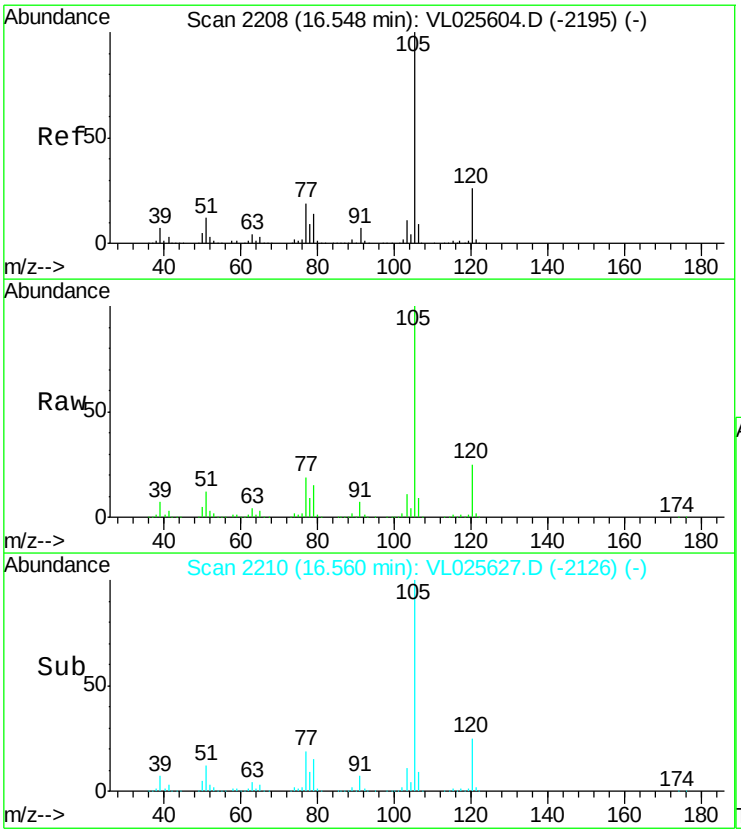
#61
Styrene
Concen: 8.80 ppbv
RT: 15.33 min Scan# 2008
Delta R.T. 0.02 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1325210

Ion	Ratio	Lower	Upper
104	100		
78	51.5	40.2	60.4
103	47.3	37.4	56.2

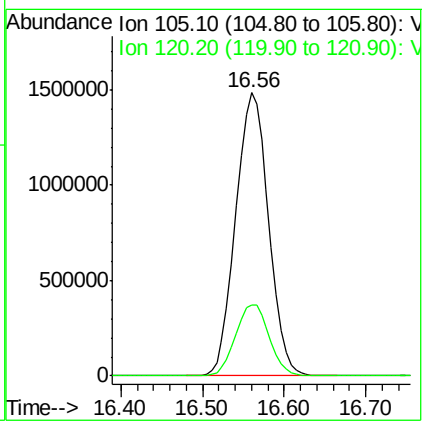


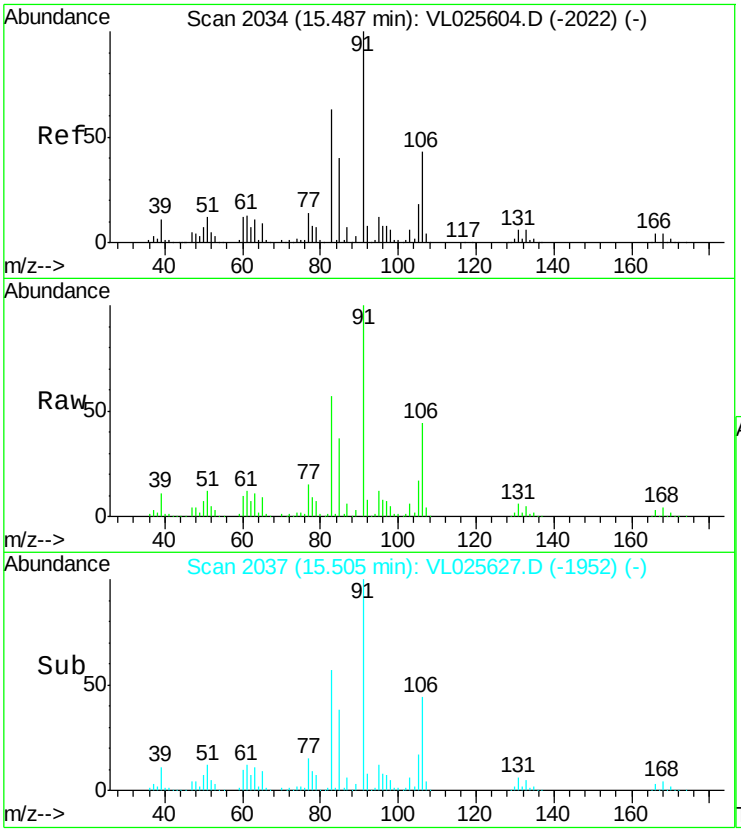


#62
Isopropylbenzene
Concen: 7.40 ppbv
RT: 16.56 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:105 Resp: 4158288

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	31.0



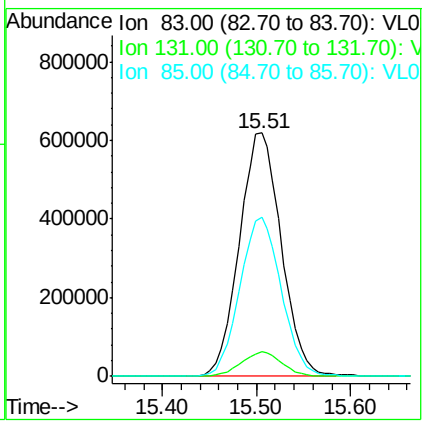


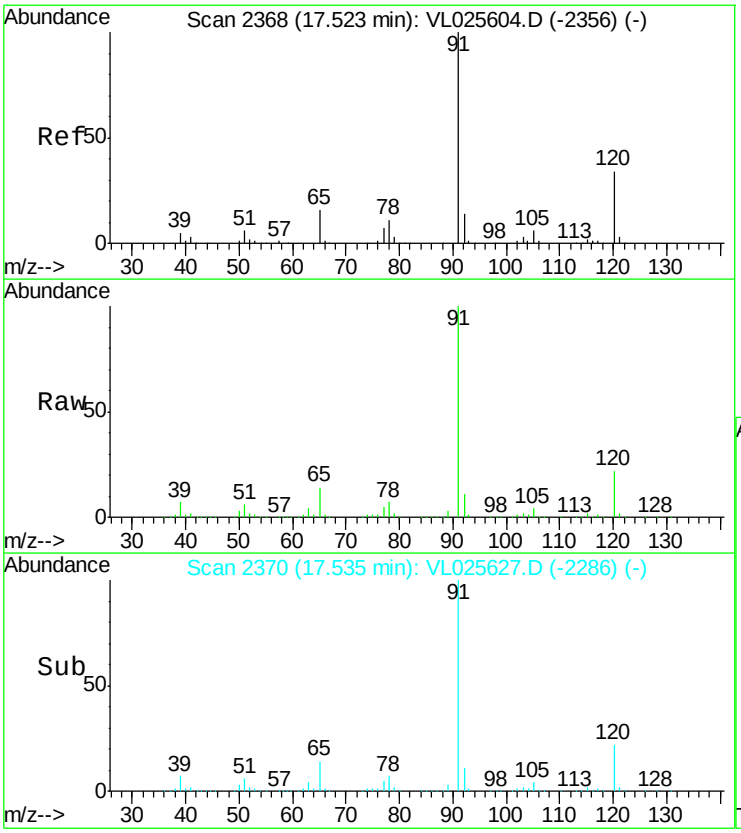
#63
1,1,2,2-Tetrachloroethane
Concen: 6.63 ppbv
RT: 15.51 min Scan# 2037
Delta R.T. 0.02 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 83 Resp: 1928144

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	64.9	32.4	97.2

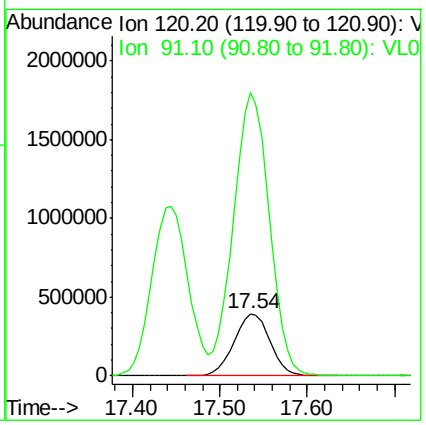


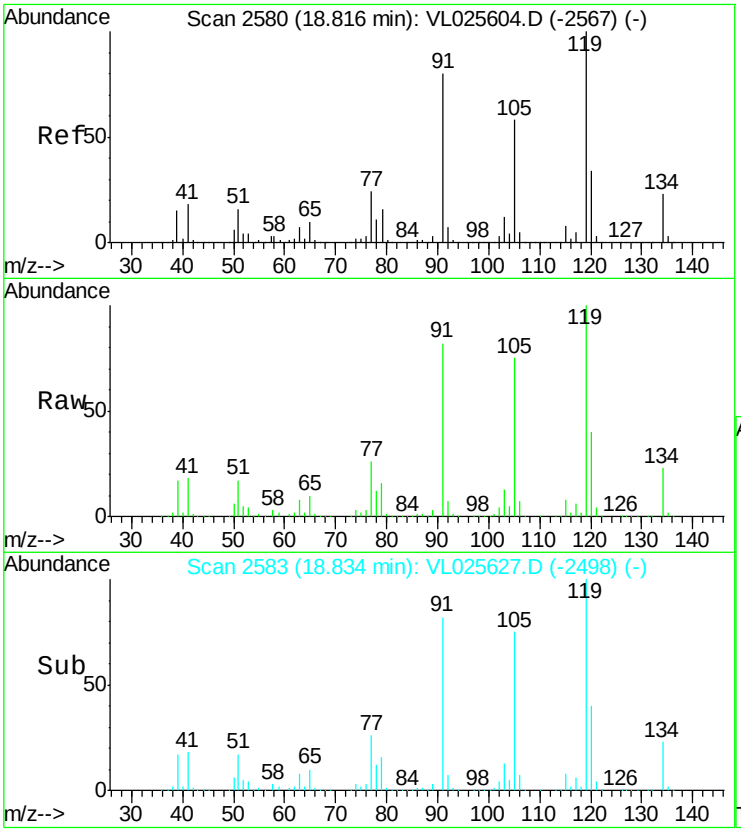


#64
n-propylbenzene
Concen: 7.39 ppbv
RT: 17.54 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:120 Resp: 1122801

Ion	Ratio	Lower	Upper
120	100		
91	453.8	370.5	555.7



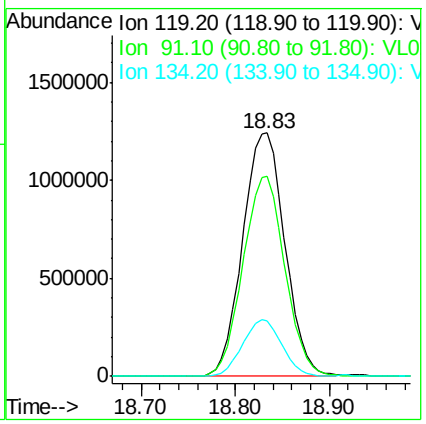


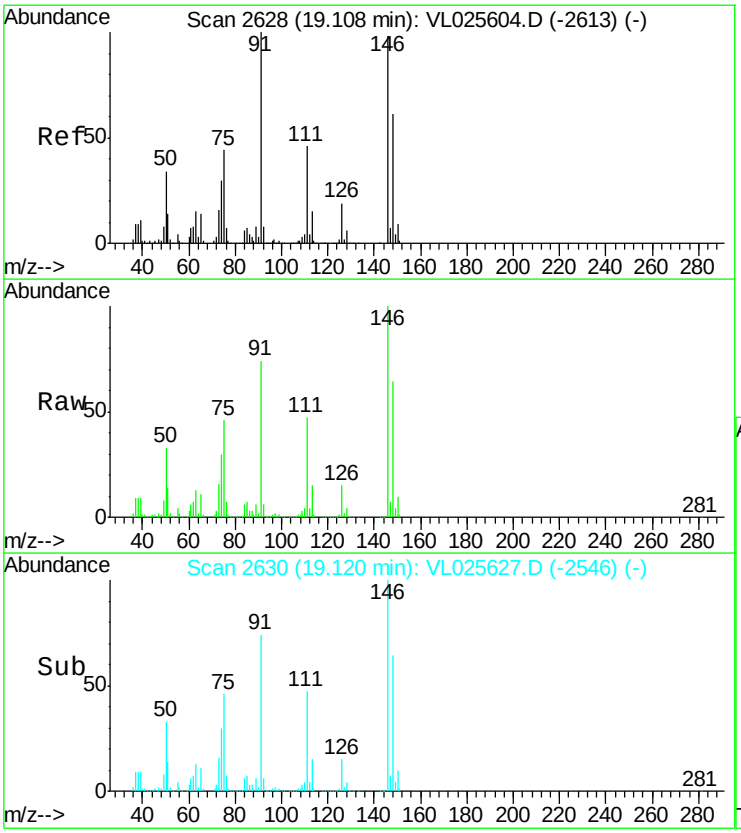
#65
tert-Butylbenzene
Concen: 7.05 ppbv
RT: 18.83 min Scan# 2583
Delta R.T. 0.02 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3889852

Ion	Ratio	Lower	Upper
119	100		
91	81.7	64.5	96.7
134	21.9	17.4	26.0

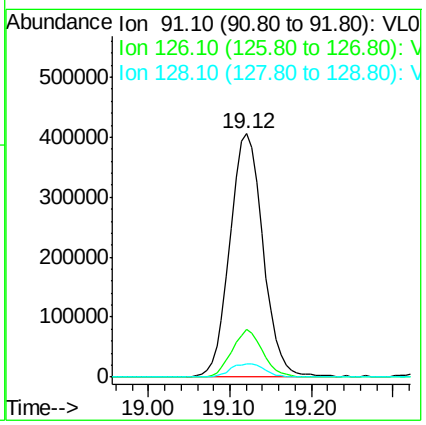


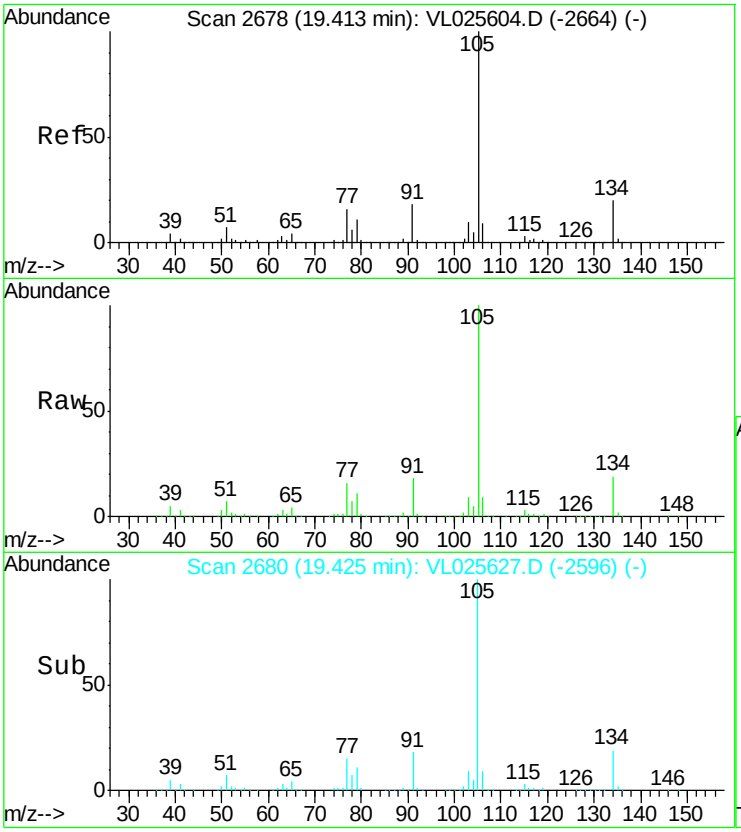


#66
Benzyl Chloride
Concen: 5.62 ppbv
RT: 19.12 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 91 Resp: 1136089

Ion	Ratio	Lower	Upper
91	100		
126	18.3	14.5	21.7
128	5.8	4.6	7.0



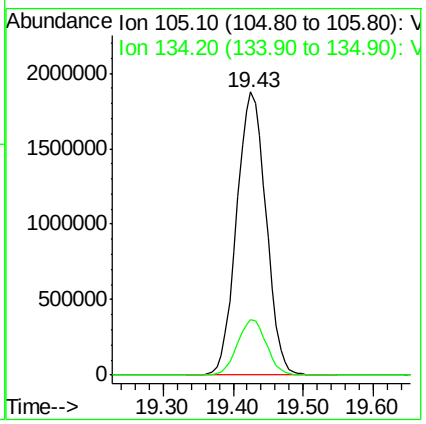


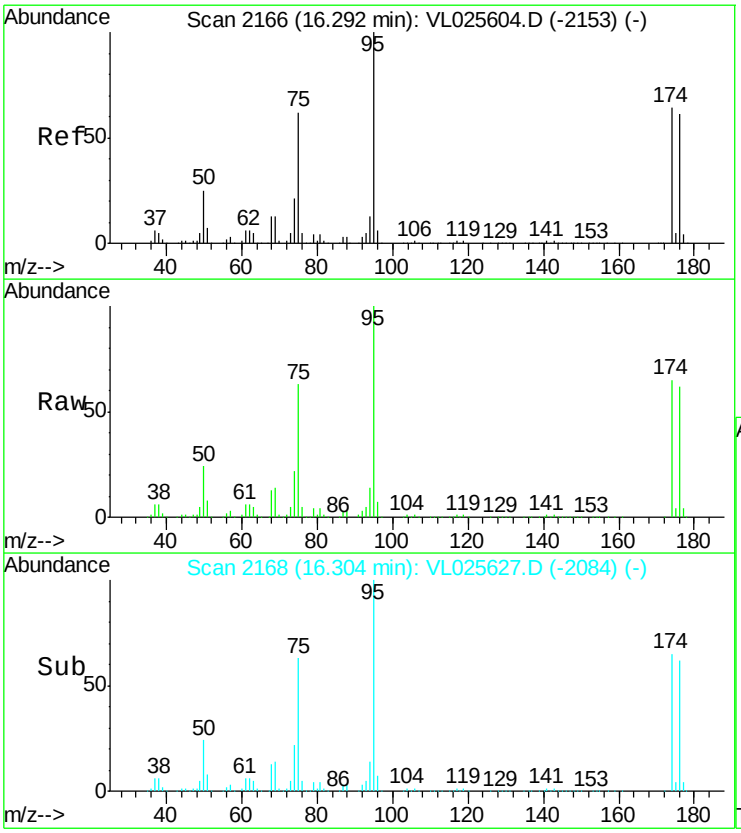
#67
sec-Butylbenzene
Concen: 7.09 ppbv
RT: 19.43 min Scan# 2680
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 5476663

Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.4	23.2

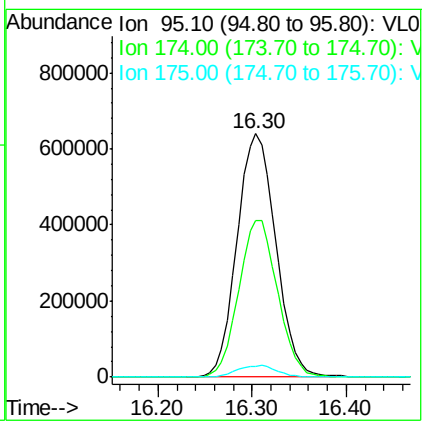


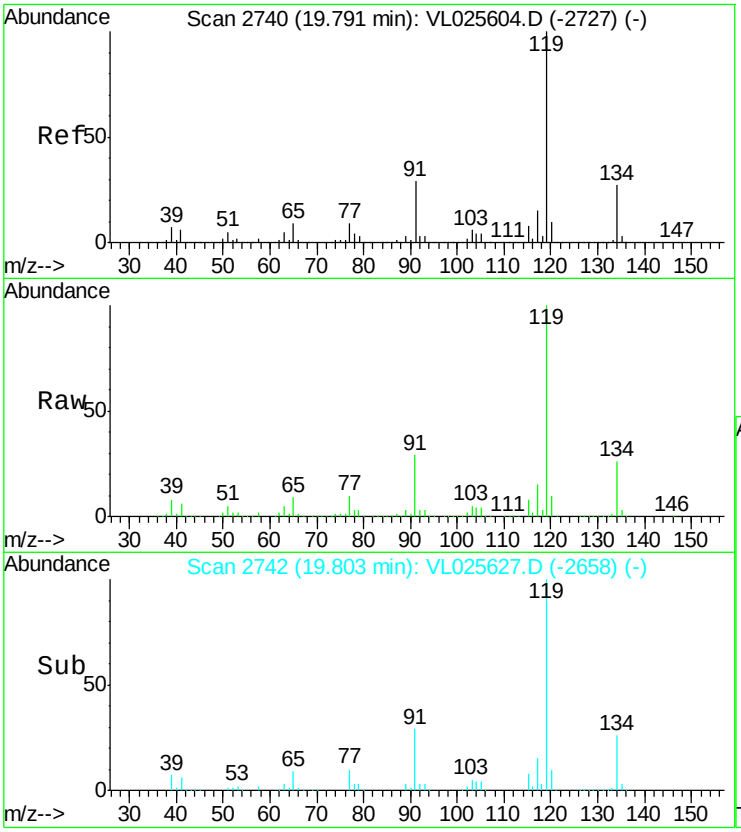


#68
1-Bromo-4-Fluorobenzene
Concen: 7.96 ppbv
RT: 16.30 min Scan# 2168
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 95 Resp: 1846556

Ion	Ratio	Lower	Upper
95	100		
174	64.7	52.0	78.0
175	4.8	3.9	5.9



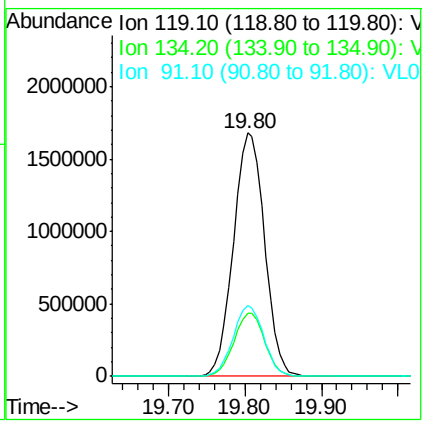


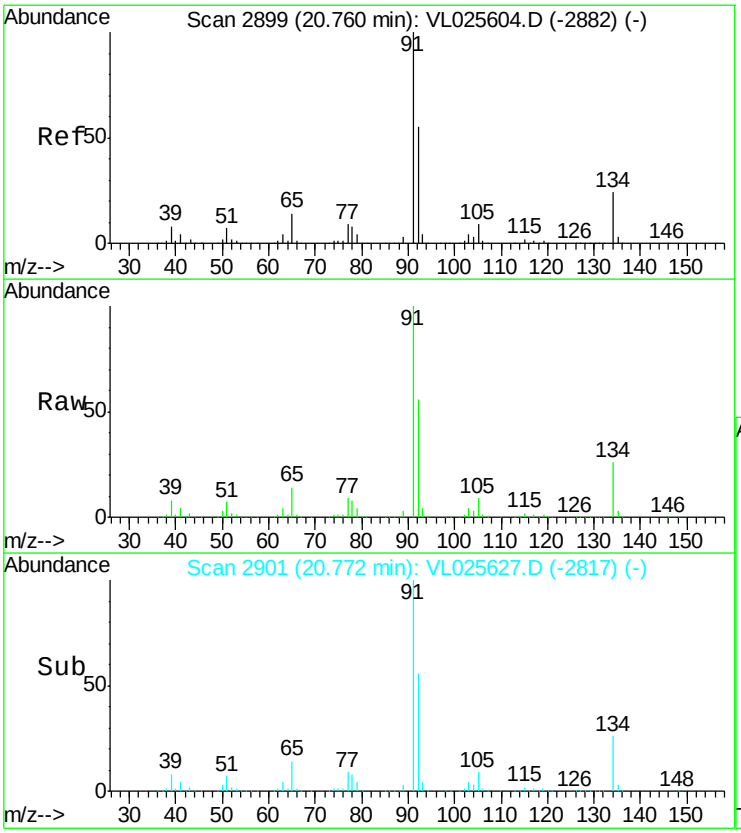
#69
p-Isopropyltoluene
Concen: 7.44 ppbv
RT: 19.80 min Scan# 2742
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 4738361

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.7	31.1
91	28.6	22.6	34.0

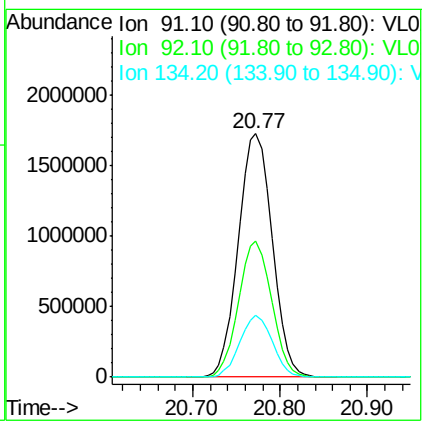


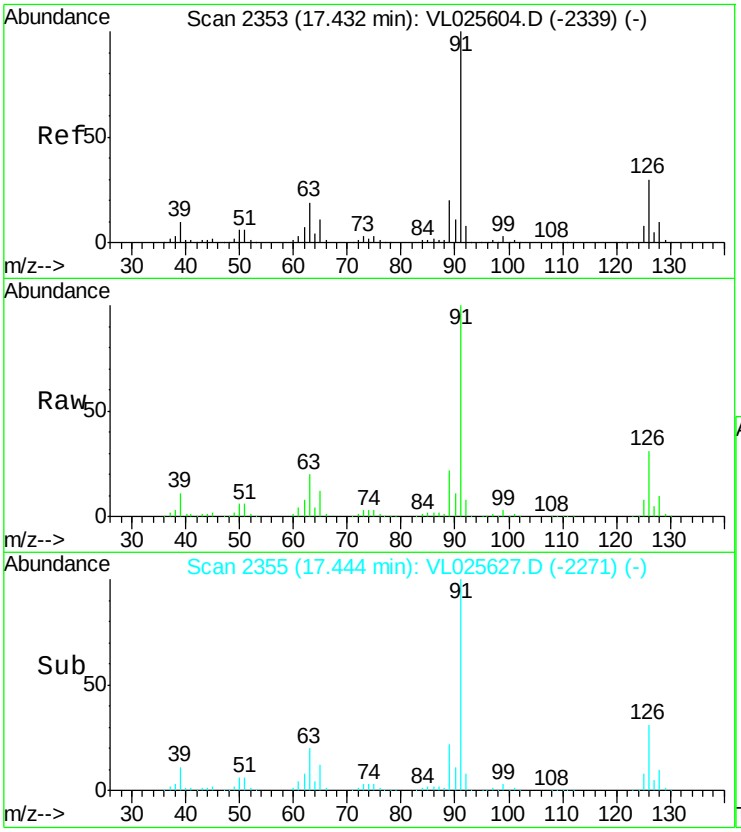


#70
n-Butylbenzene
Concen: 7.25 ppbv
RT: 20.77 min Scan# 2901
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 91 Resp: 4683983

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.3	66.5
134	24.4	19.4	29.2



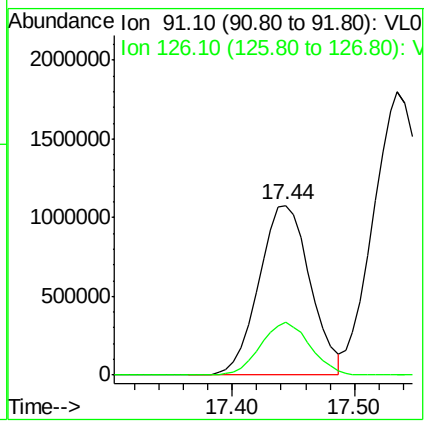


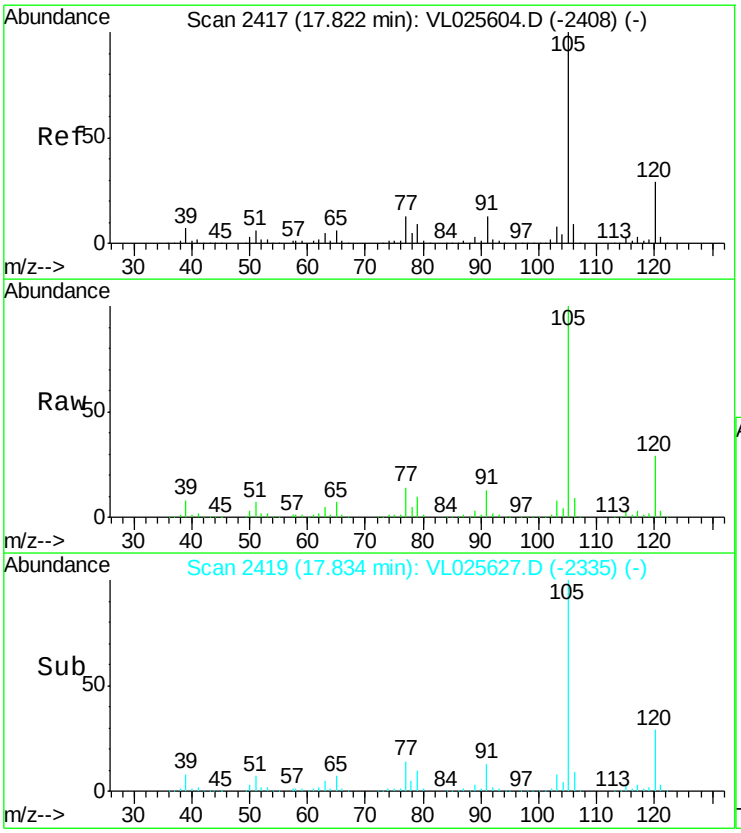
#71
2-Chlorotoluene
Concen: 7.62 ppbv
RT: 17.44 min Scan# 2355
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 3139250

Ion	Ratio	Lower	Upper
91	100		
126	30.5	12.2	49.0

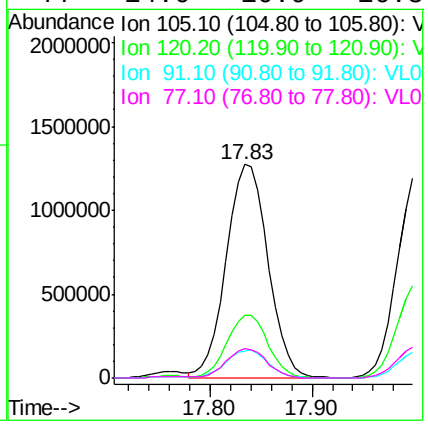


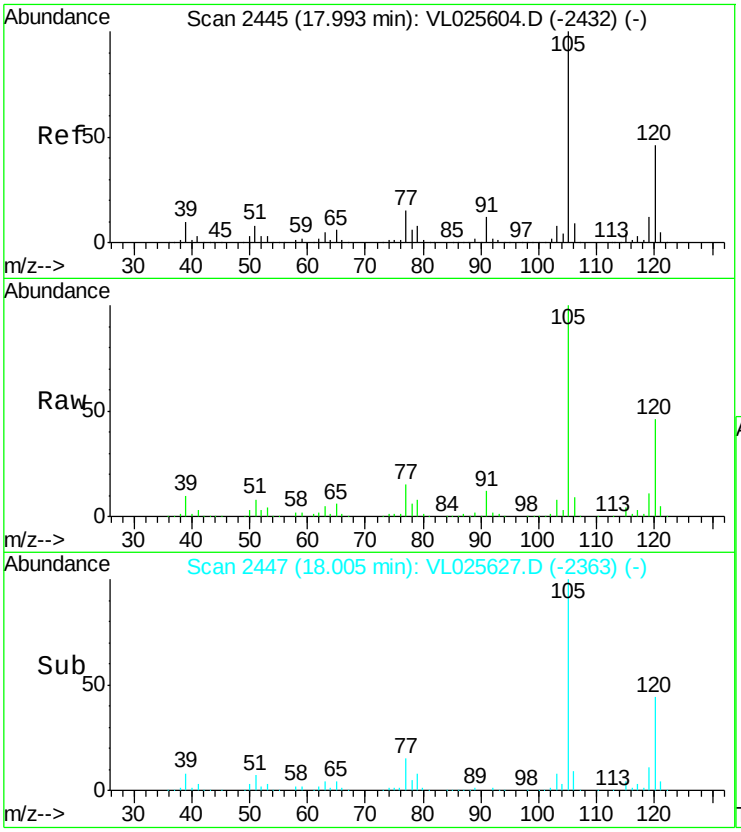


#72
4-Ethyltoluene
Concen: 7.62 ppbv
RT: 17.83 min Scan# 2419
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:105 Resp: 3622587

Ion	Ratio	Lower	Upper
105	100		
120	29.9	23.9	35.9
91	13.4	10.3	15.5
77	14.0	10.9	16.3



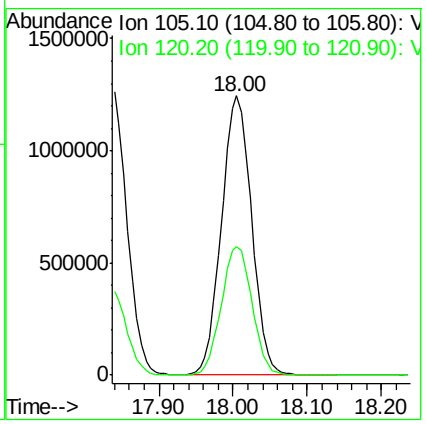


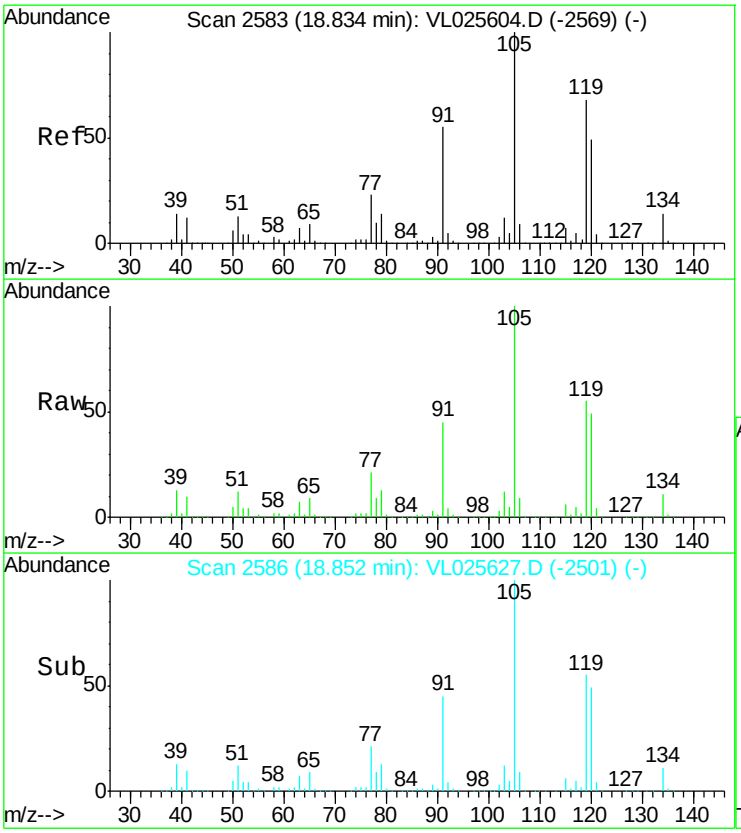
#73
1,3,5-Trimethylbenzene
Concen: 7.53 ppbv
RT: 18.00 min Scan# 2447
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3515515

Ion	Ratio	Lower	Upper
105	100		
120	46.3	37.0	55.4

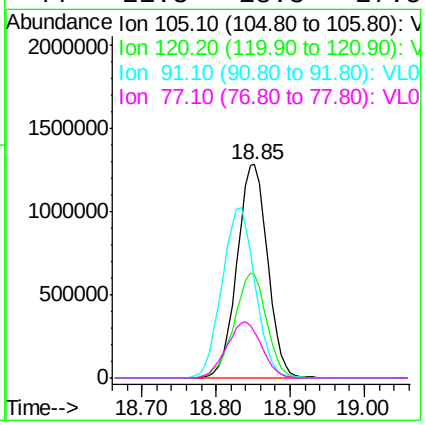


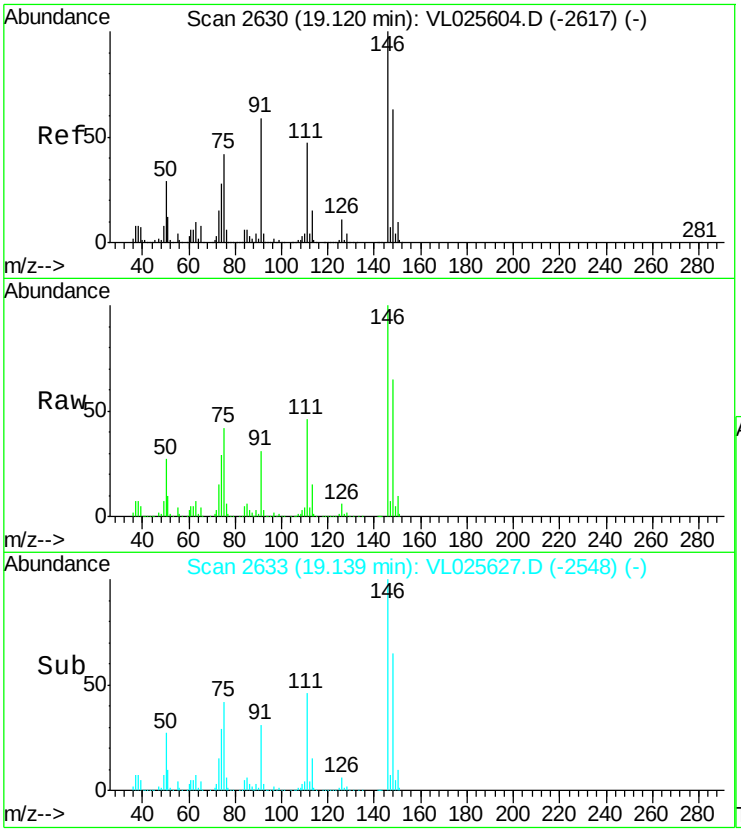


#74
1,2,4-Trimethylbenzene
Concen: 7.06 ppbv
RT: 18.85 min Scan# 2586
Delta R.T. 0.02 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:105 Resp: 3691887

Ion	Ratio	Lower	Upper
105	100		
120	48.6	39.3	58.9
91	45.3	43.8	65.6
77	21.3	18.3	27.5



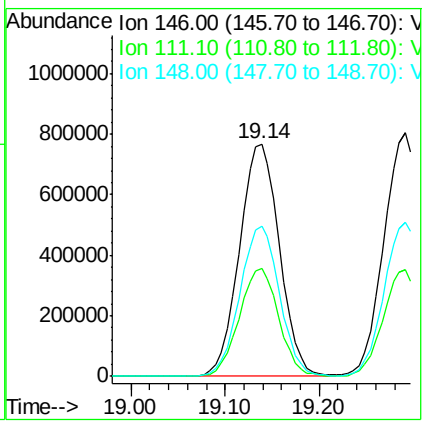


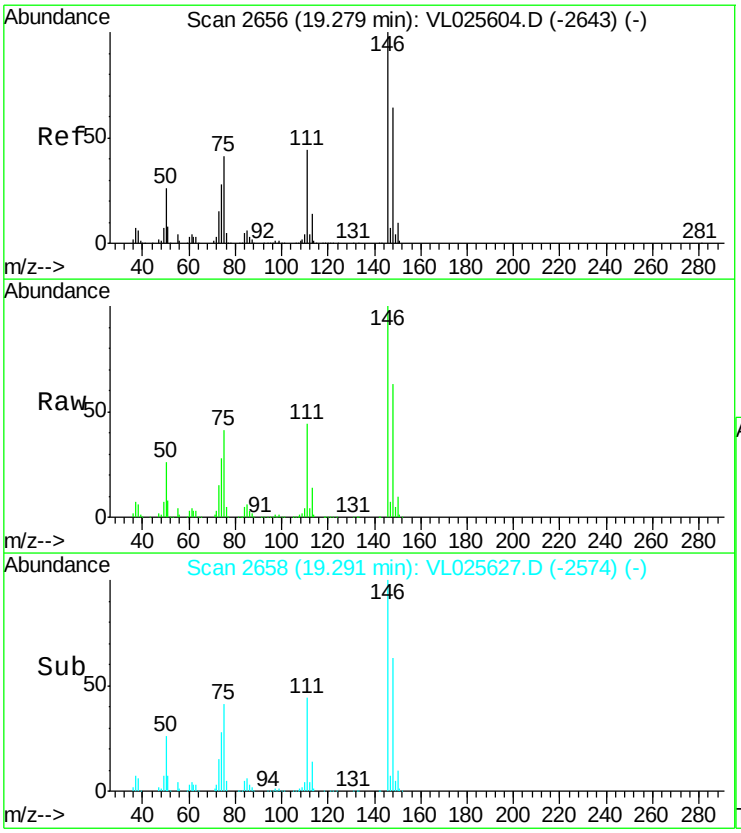
#75
1,3-Dichlorobenzene
Concen: 6.67 ppbv
RT: 19.14 min Scan# 2633
Delta R.T. 0.02 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2272115

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.7	68.1
148	64.1	31.8	95.3

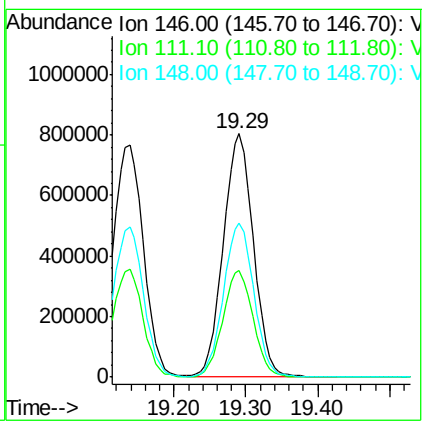


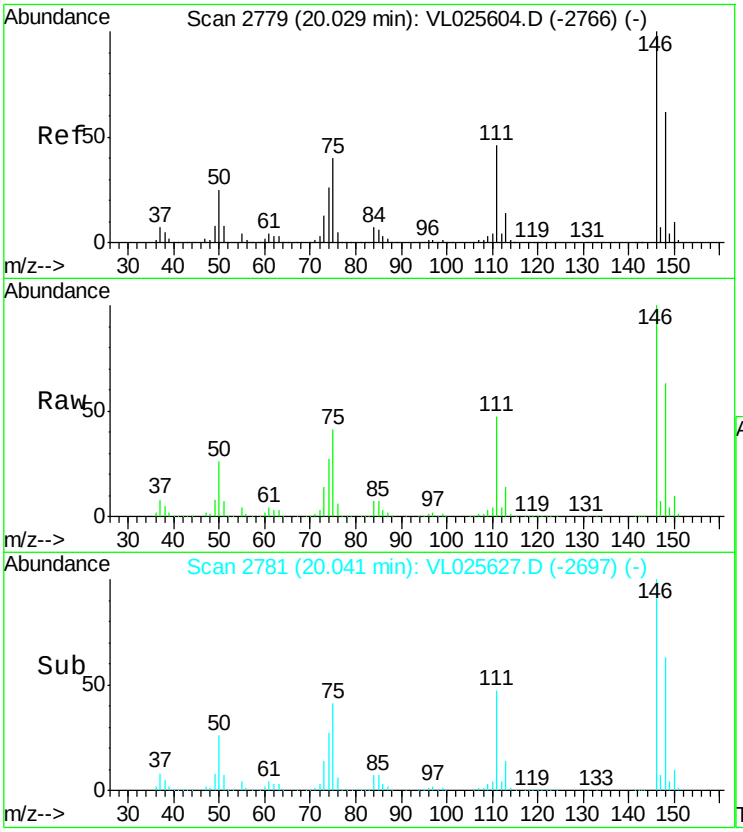


#76
1,4-Dichlorobenzene
Concen: 6.85 ppbv
RT: 19.29 min Scan# 2658
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:146 Resp: 2338779

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.1	66.1
148	63.9	31.9	95.9



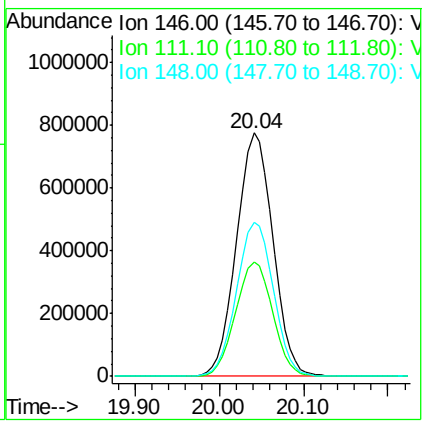


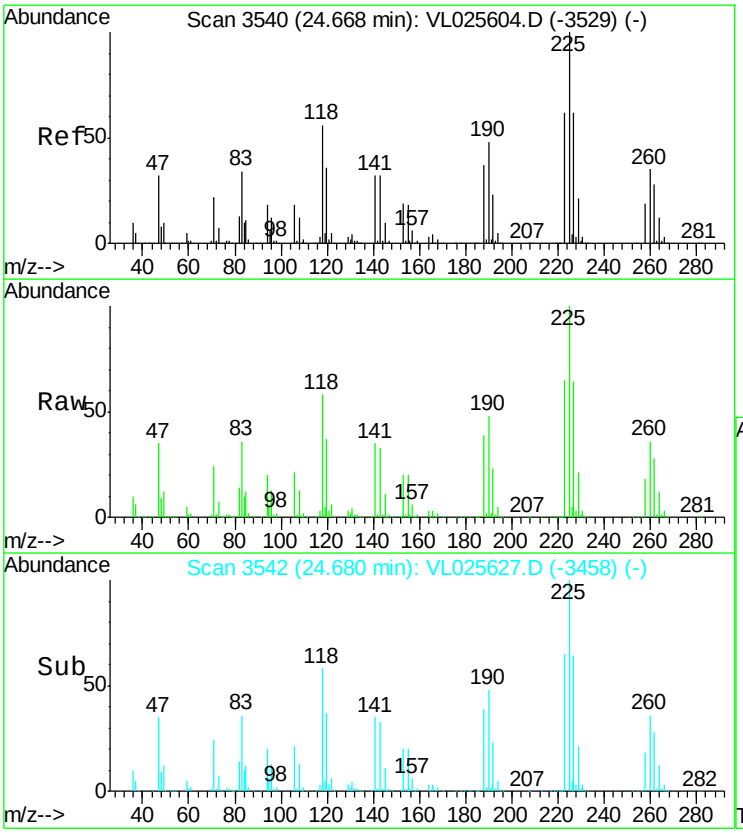
#77
1,2-Dichlorobenzene
Concen: 6.74 ppbv
RT: 20.04 min Scan# 2781
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2279359

Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.4	70.3
148	64.1	31.6	94.8

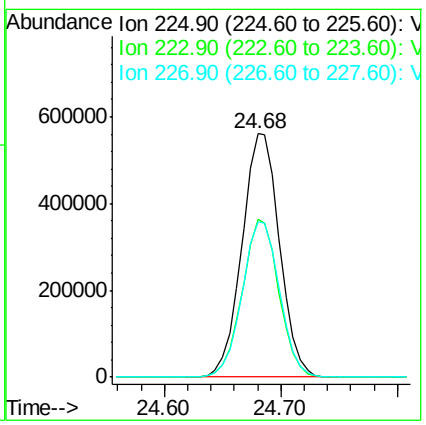


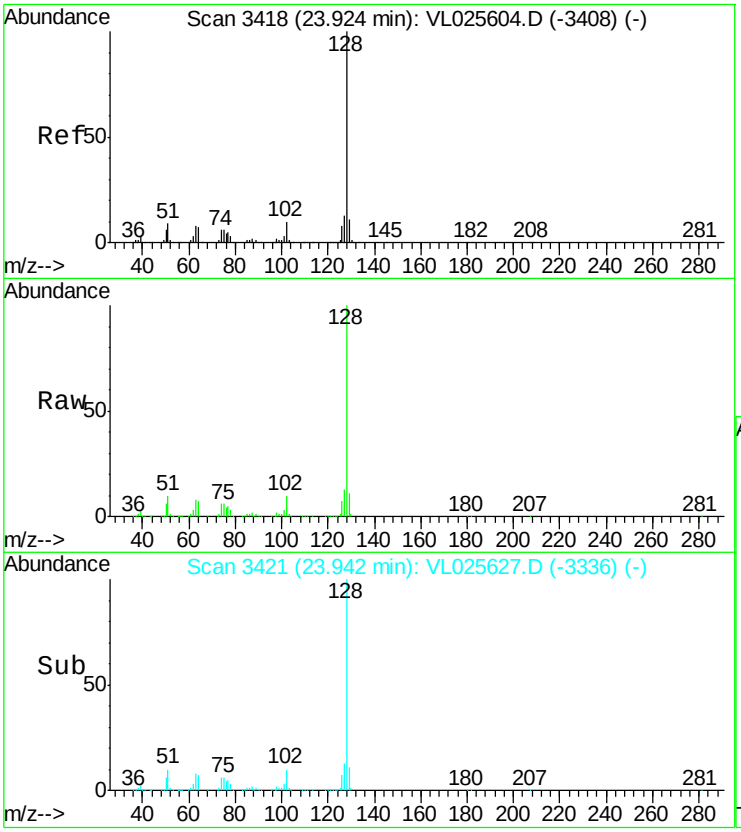


#78
Hexachloro-1,3-Butadiene
Concen: 6.06 ppbv
RT: 24.68 min Scan# 3542
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:225 Resp: 1260151

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	63.5	50.5	75.7



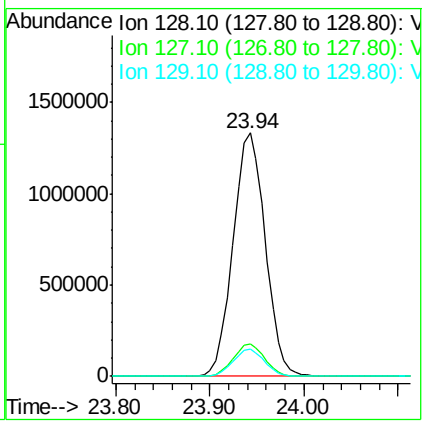


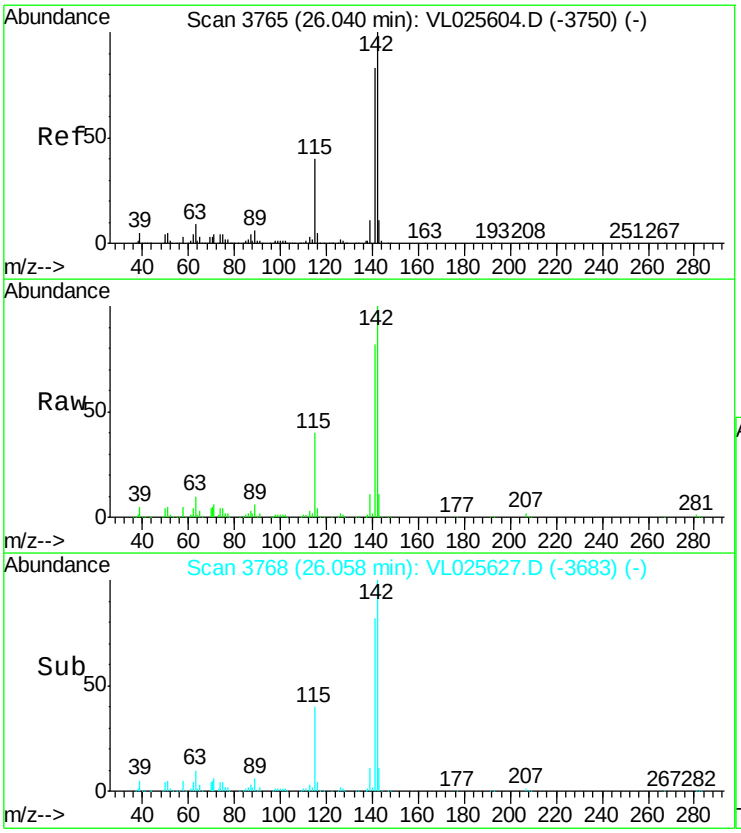
#79
Naphthalene
Concen: 6.28 ppbv
RT: 23.94 min Scan# 3421
Delta R.T. 0.02 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 3173233

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	11.0	9.0	13.4

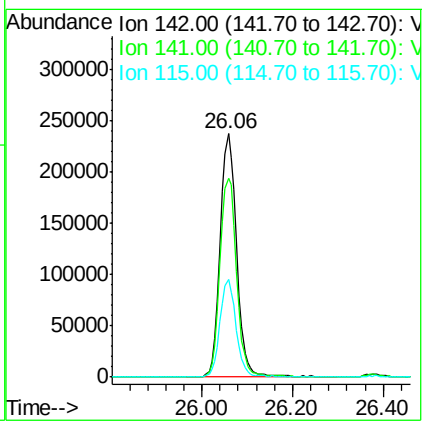


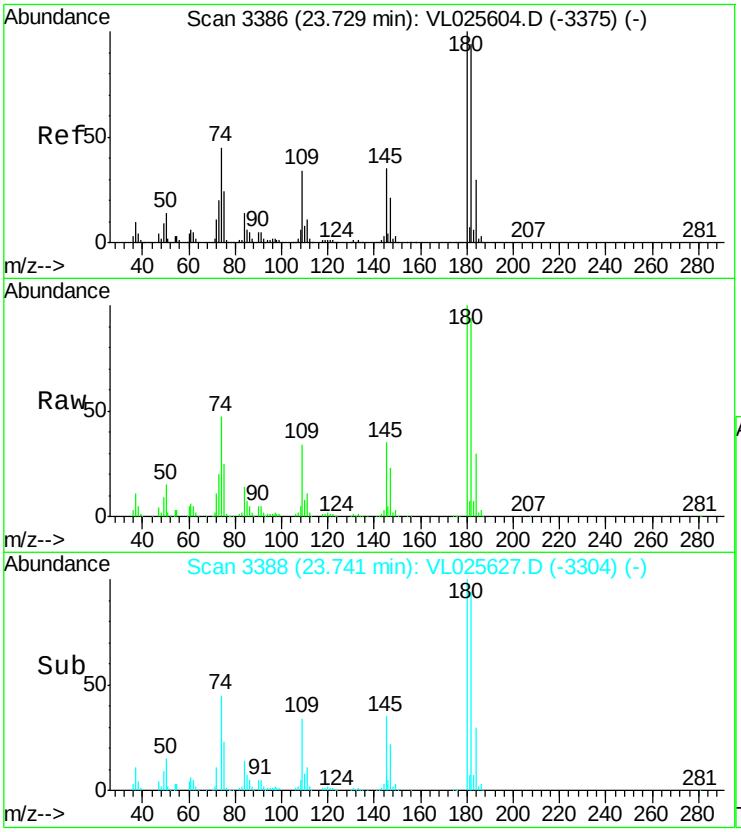


#80
Naphthalene,2-methyl-
Concen: 4.09 ppbv
RT: 26.06 min Scan# 3768
Delta R.T. 0.02 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:142 Resp: 600251

Ion	Ratio	Lower	Upper
142	100		
141	83.1	67.1	100.7
115	39.9	33.9	50.9





#81
1,2,4-Trichlorobenzene
Concen: 6.70 ppbv
RT: 23.74 min Scan# 3388
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1622807

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
184	30.7	24.4	36.6