Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
Data File : VL025806.D
Acq On : 31 Jul 2015 9:00
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 12:16:39 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 0
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.67	49	588261	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	8.34	114	1638143	10.00	ppbv		0.01
55) Chlorobenzene-d5	13.77	117	1906987m	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.31	95	1890241	11.75	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 117.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.65	85	1561119	10.24	ppbv		98
3) Chlorodifluoromethane	3.57	51	688891	8.31	ppbv		98
4) Chloromethane	3.76	50	303517	8.02	ppbv		100
5) Vinyl Chloride	3.90	62	344945	8.45	ppbv		100
6) Bromomethane	4.15	94	284388	8.58	ppbv		96
7) Chloroethane	4.25	64	159904	8.41	ppbv		95
8) Dichlorotetrafluoroethane	3.81	85	1140576	8.53	ppbv		99
9) Propene	3.60	41	212531	7.72	ppbv		96
10) Heptane	9.37	43	953054	8.89	ppbv		96
11) Trichlorofluoromethane	4.70	101	1796080	9.08	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	5.32	101	1018457	8.99	ppbv		100
13) Ethanol	4.34	45	25760	6.02	ppbv		97
14) Bromoethene	4.46	108	331207	8.91	ppbv		98
15) Acetone	4.61	43	828138	7.97	ppbv		99
16) 1,3-Butadiene	3.98	39	354161	8.56	ppbv		98
17) tert-Butyl alcohol	5.13	59	741918	8.51	ppbv		100
18) 1,1-Dichloroethene	5.09	96	385099	8.87	ppbv		95
19) Isopropyl Alcohol	4.76	45	309254	7.46	ppbv	#	98
20) Methylene Chloride	5.16	84	349954	8.29	ppbv		92
21) Allyl Chloride	5.24	41	554096	8.52	ppbv		92
22) trans-1,2-Dichloroethene	5.78	96	380500	8.59	ppbv		98
23) Vinyl Acetate	5.99	43	1349514	8.57	ppbv		99
24) 1,1-Dichloroethane	5.92	63	893315	8.46	ppbv		99
25) Ethyl Acetate	6.68	43	1364455	8.68	ppbv		100
26) Hexane	6.67	57	631363	8.53	ppbv		98
27) Carbon Disulfide	5.40	76	1106288	9.23	ppbv		98
28) Methyl tert-Butyl Ether	5.96	73	1367180	9.29	ppbv		98
29) Chloroform	6.76	83	1272508	8.70	ppbv		99
30) Cyclohexane	8.30	84	644297	9.10	ppbv		98
31) cis-1,2-Dichloroethene	6.53	61	684493	9.30	ppbv		99
32) 1,1,1-Trichloroethane	7.61	97	1451284	9.13	ppbv		99
34) 2-Butanone	6.21	43	829288	8.92	ppbv		99
35) Carbon Tetrachloride	8.18	117	1580322	9.05	ppbv		99
36) Benzene	8.04	78	1381506	8.81	ppbv		99
37) 1,2-Dichloroethane	7.39	62	1188810	8.87	ppbv		99
38) Trichloroethene	9.08	130	653816	8.96	ppbv		99
39) 1,2-Dichloropropane	8.84	63	494105	8.53	ppbv		99
40) 1,4-Dioxane	9.14	88	70273	7.73	ppbv	#	1
41) Tetrahydrofuran	7.13	42	421282	9.08	ppbv		98
42) Bromodichloromethane	9.04	83	1483535	9.18	ppbv		99
43) Methyl Methacrylate	9.28	69	576937	9.58	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
Data File : VL025806.D
Acq On : 31 Jul 2015 9:00
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 12:16:39 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 0
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	2360576	8.77	ppbv		98
45) t-1,3-Dichloropropene	10.67	75	1037766	10.25	ppbv		99
46) cis-1,3-Dichloropropene	10.04	75	1115800	9.97	ppbv		99
47) 1,1,2-Trichloroethane	10.90	97	721917	8.95	ppbv		98
48) Dibromochloromethane	11.82	129	1362372	9.44	ppbv		99
49) Bromoform	14.83	173	1126222	9.47	ppbv		99
50) 4-Methyl-2-Pentanone	10.10	43	1274759	9.52	ppbv		99
51) 2-Hexanone	11.63	43	1231512	10.25	ppbv	#	99
52) Tetrachloroethene	12.82	164	746475	9.49	ppbv		98
53) Toluene	11.26	91	2118154	9.61	ppbv		99
54) 1,2-Dibromoethane	12.16	107	1195026	9.16	ppbv		99
56) 1,1,1,2-Tetrachloroethane	13.81	131	1013655	9.83	ppbv		99
57) Chlorobenzene	13.83	112	1917920	9.45	ppbv		99
58) Ethyl Benzene	14.43	91	3337901	10.60	ppbv		100
59) m/p-Xylene	14.73	91	5554310m	20.07	ppbv		
60) o-Xylene	15.51	91	2956504	9.92	ppbv		100
61) Styrene	15.33	104	1241425	11.89	ppbv		99
62) Isopropylbenzene	16.57	105	3951105	10.14	ppbv		100
63) 1,1,2,2-Tetrachloroethane	15.51	83	1865102	9.25	ppbv		100
64) n-propylbenzene	17.54	120	1052802	10.00	ppbv		99
65) tert-Butylbenzene	18.83	119	3756272	9.82	ppbv		98
66) Benzyl Chloride	19.13	91	1402551	10.00	ppbv		100
67) sec-Butylbenzene	19.43	105	5248170	9.79	ppbv		100
69) p-Isopropyltoluene	19.81	119	4358339	9.87	ppbv		99
70) n-Butylbenzene	20.78	91	4279163	9.55	ppbv		99
71) 2-Chlorotoluene	17.45	91	2974548	10.41	ppbv		99
72) 4-Ethyltoluene	17.84	105	3411649	10.35	ppbv		99
73) 1,3,5-Trimethylbenzene	18.01	105	3297878	10.18	ppbv		99
74) 1,2,4-Trimethylbenzene	18.86	105	3488470	9.62	ppbv		93
75) 1,3-Dichlorobenzene	19.14	146	2155671	9.13	ppbv		99
76) 1,4-Dichlorobenzene	19.30	146	2216403	9.37	ppbv		100
77) 1,2-Dichlorobenzene	20.05	146	2145789	9.16	ppbv		99
78) Hexachloro-1,3-Butadiene	24.69	225	1061395	7.36	ppbv		99
79) Naphthalene	23.94	128	2758942	7.87	ppbv		99
80) Naphthalene,2-methyl-	26.06	142	715339	7.02	ppbv		99
81) 1,2,4-Trichlorobenzene	23.75	180	1325918	7.89	ppbv		99

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

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Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
Data File : VL025806.D
Acq On : 31 Jul 2015 9:00
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 12:16:39 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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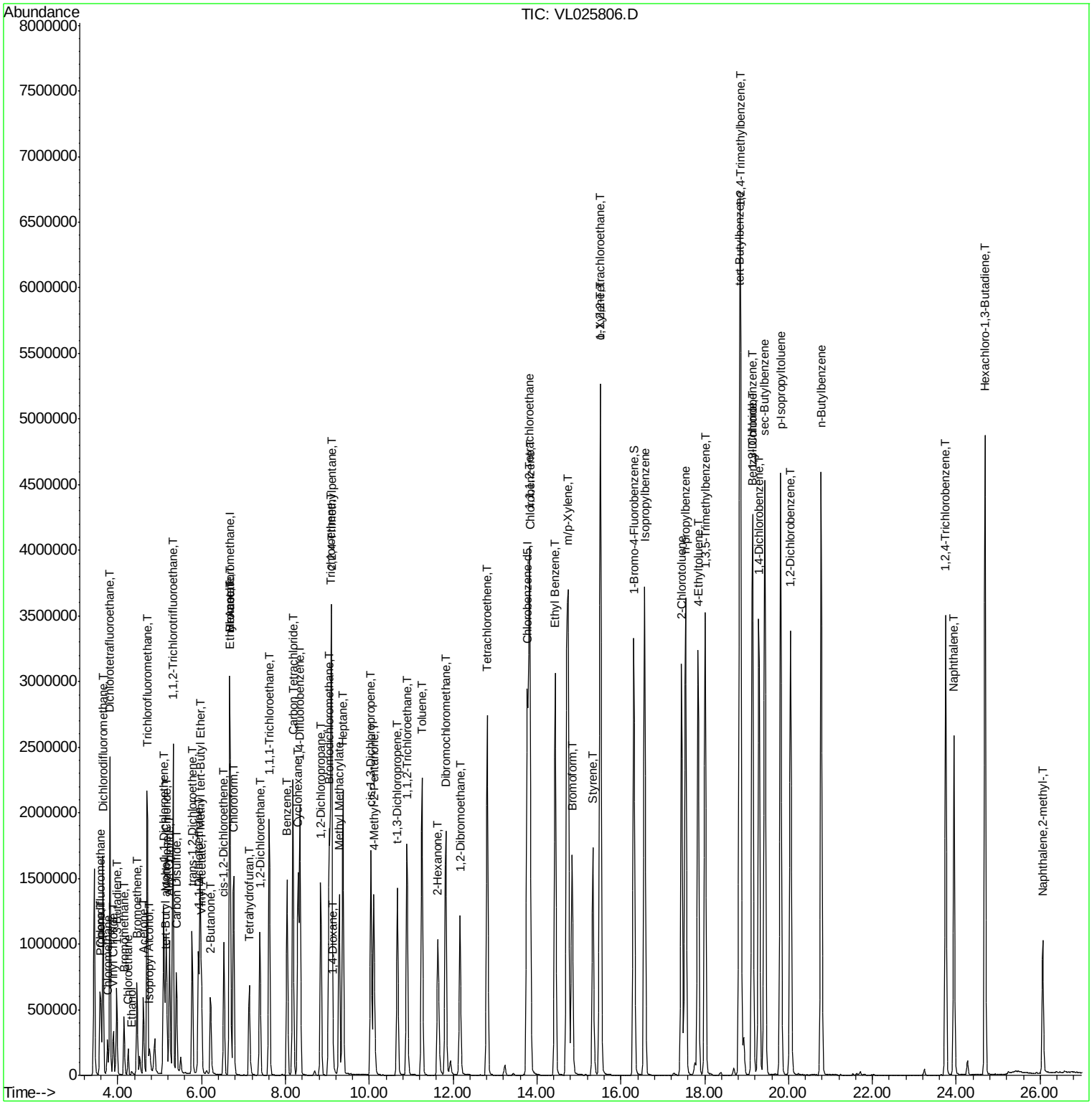
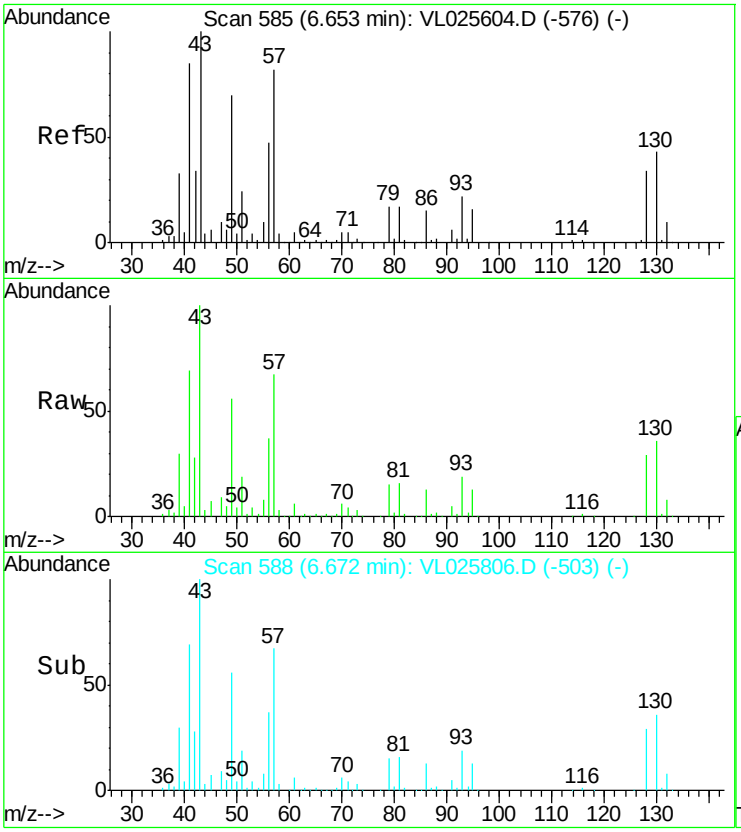
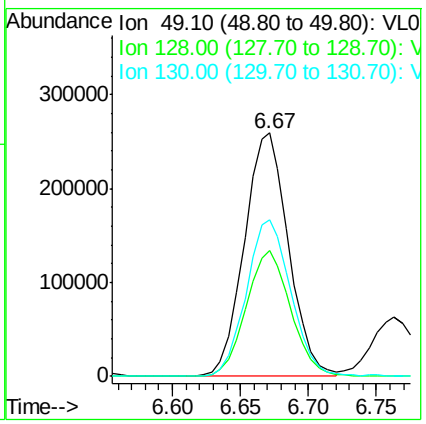




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 49 Resp: 588261

Ion	Ratio	Lower	Upper
49	100		
128	52.2	25.4	76.0
130	65.5	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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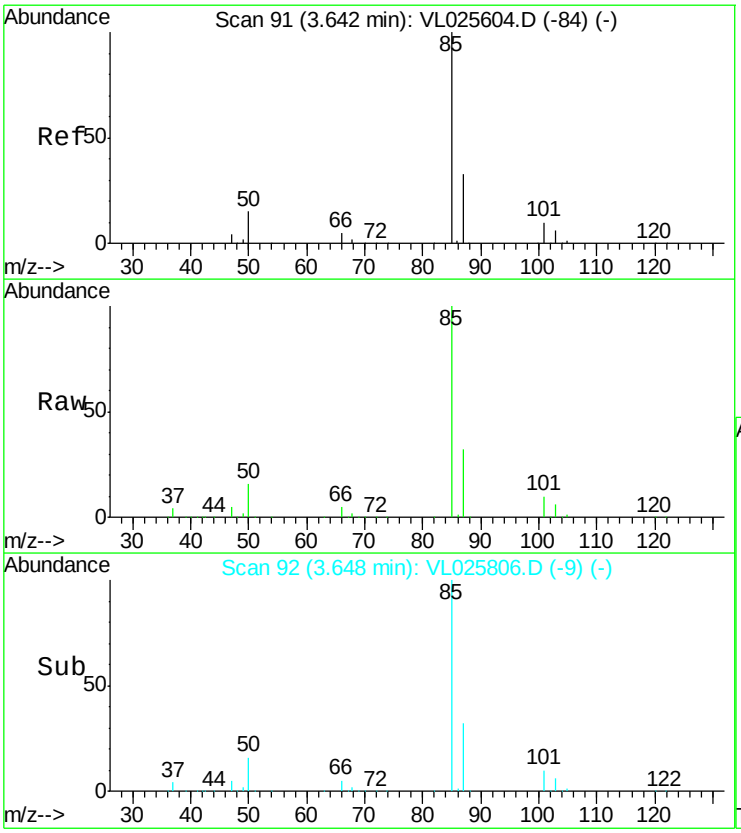
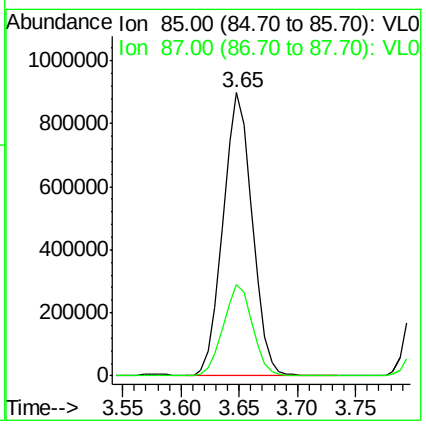
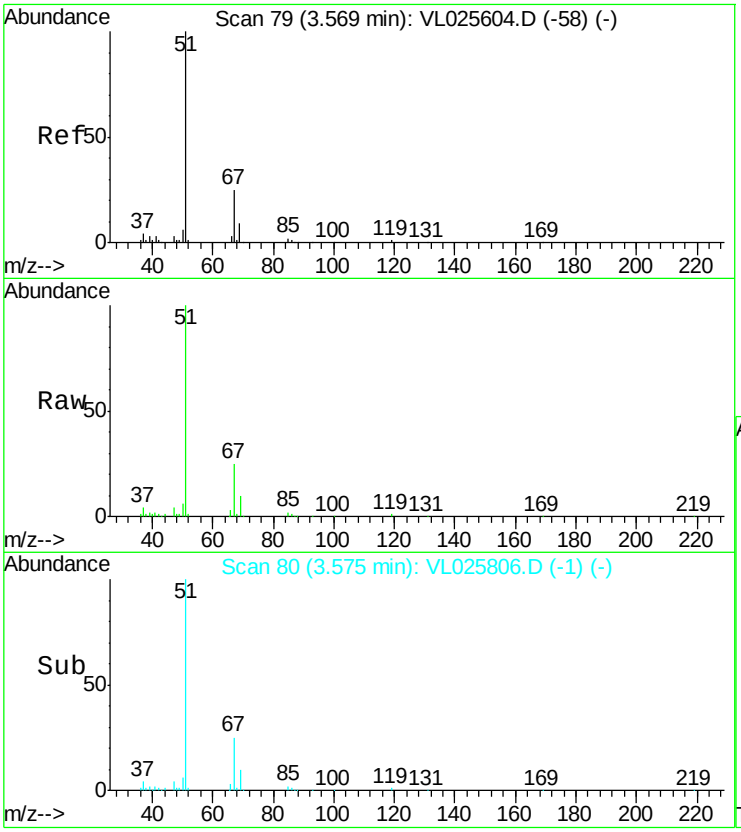


#2
Dichlorodifluoromethane
Concen: 10.24 ppbv
RT: 3.65 min Scan# 92
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 85 Resp: 1561119

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.5	39.7

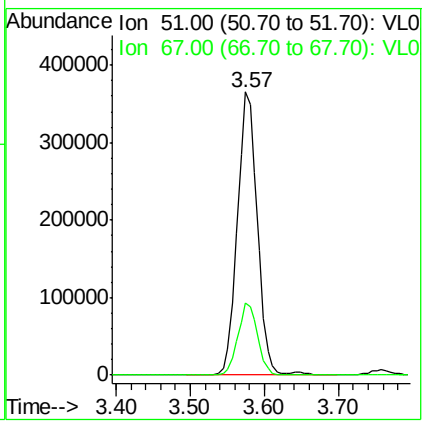




#3
Chlorodifluoromethane
Concen: 8.31 ppbv
RT: 3.57 min Scan# 80
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 51 Resp: 688891

Ion	Ratio	Lower	Upper
51	100		
67	25.3	19.5	29.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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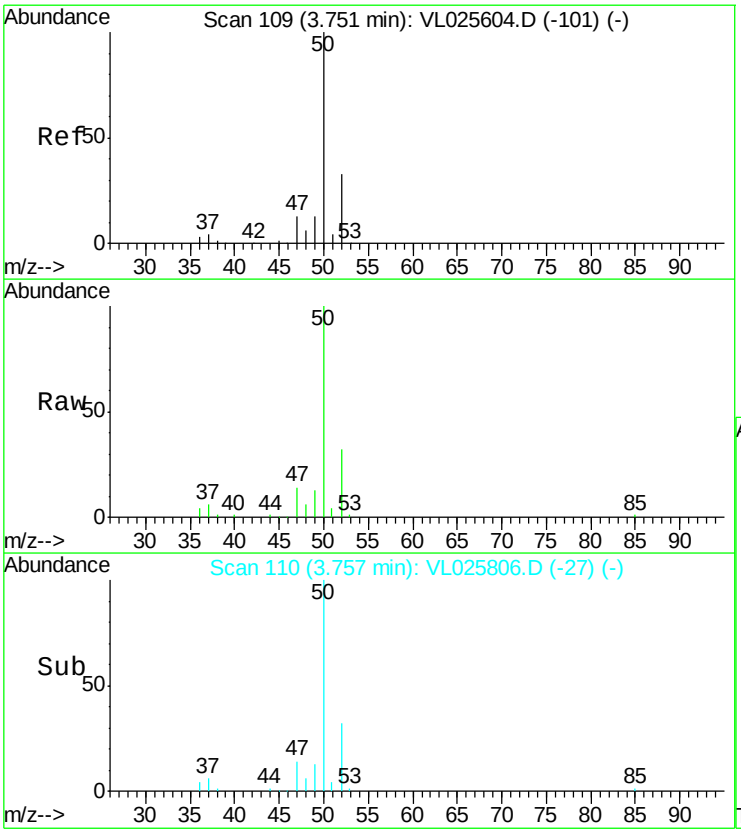
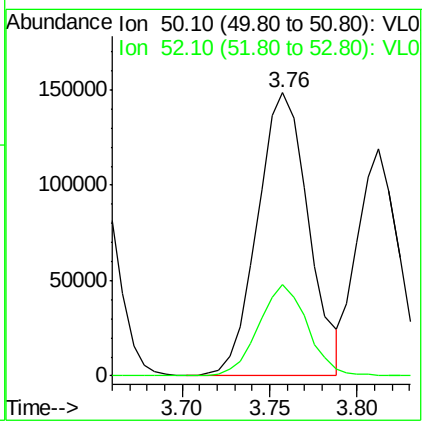
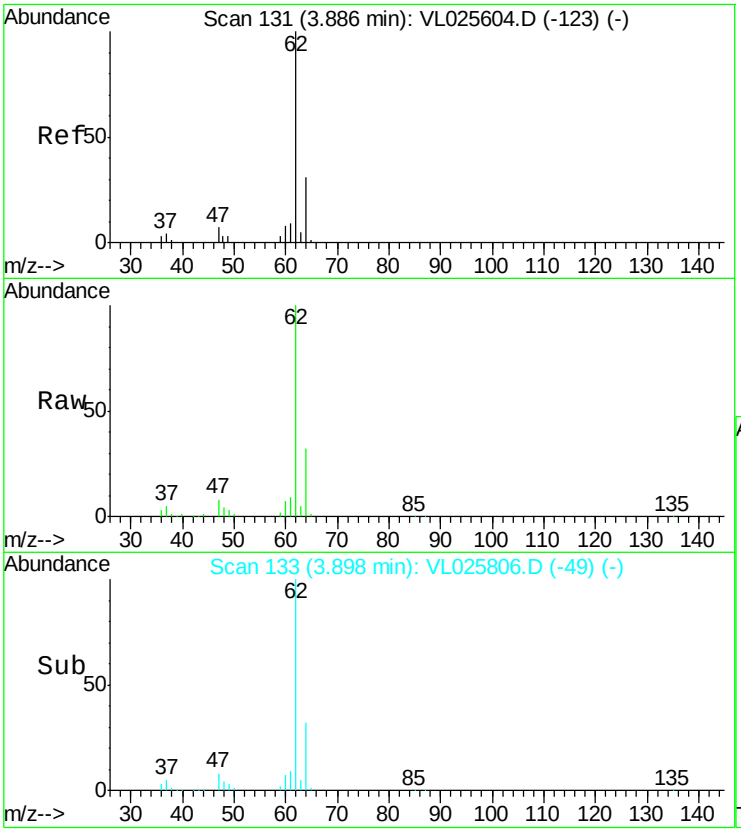


#4
Chloromethane
Concen: 8.02 ppbv
RT: 3.76 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 50 Resp: 303517

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.2	39.2

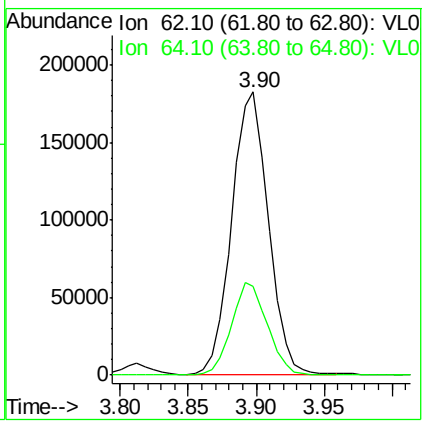




#5
Vinyl Chloride
Concen: 8.45 ppbv
RT: 3.90 min Scan# 133
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 62 Resp: 344945

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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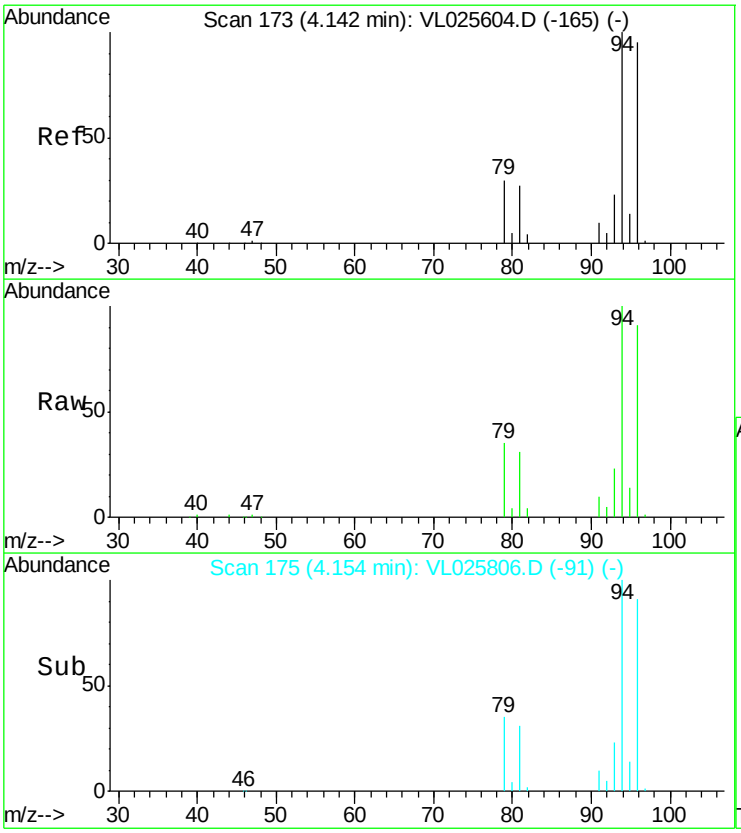
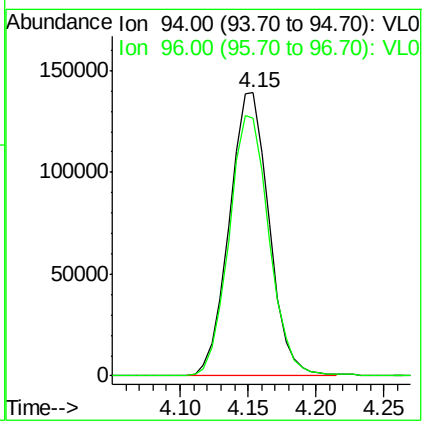
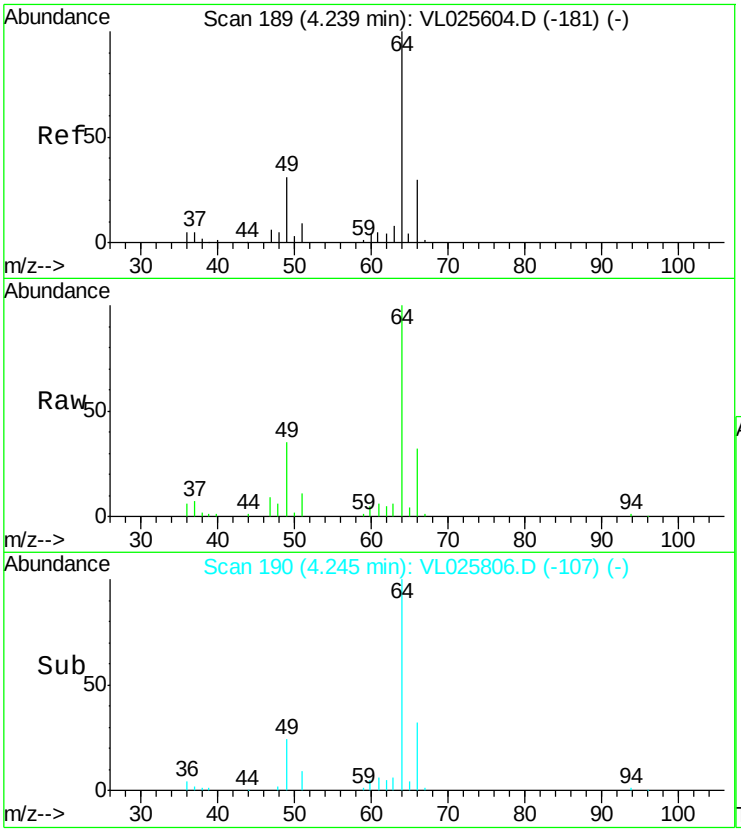


#6
Bromomethane
Concen: 8.58 ppbv
RT: 4.15 min Scan# 175
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 94 Resp: 284388

Ion	Ratio	Lower	Upper
94	100		
96	91.3	75.9	113.9

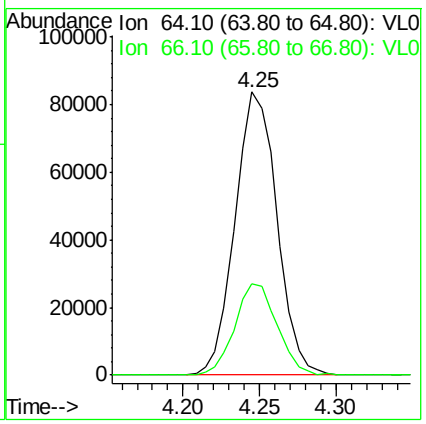




#7
Chloroethane
Concen: 8.41 ppbv
RT: 4.25 min Scan# 190
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 64 Resp: 159904

Ion	Ratio	Lower	Upper
64	100		
66	32.4	23.8	35.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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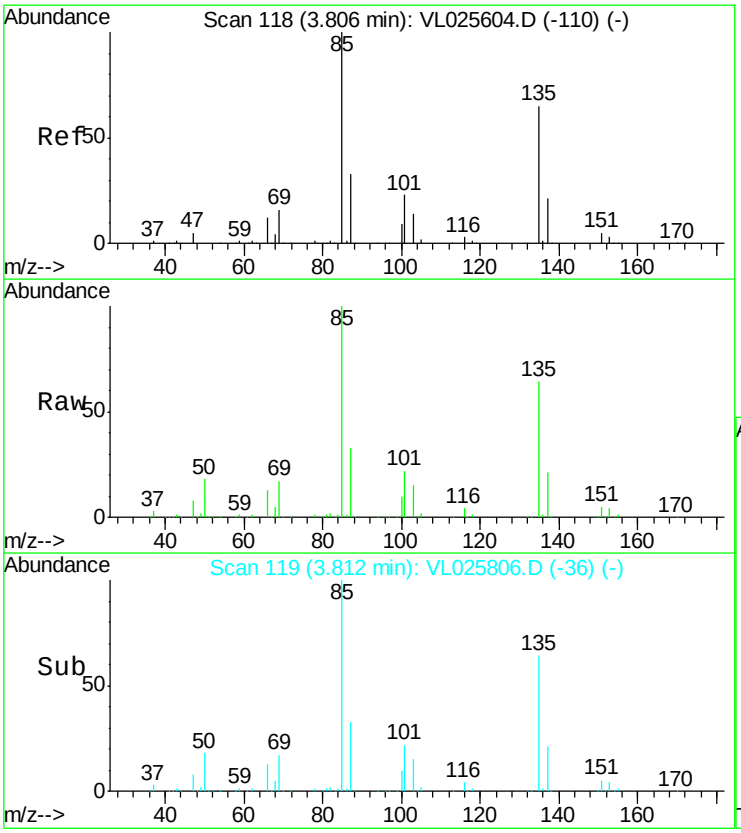
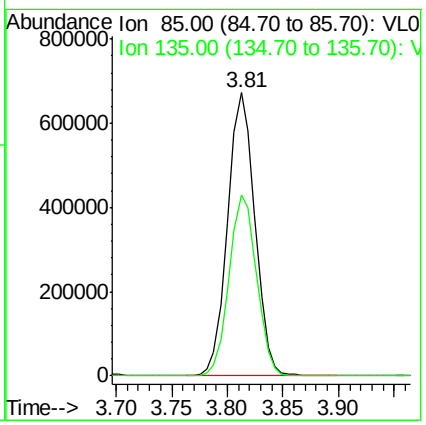
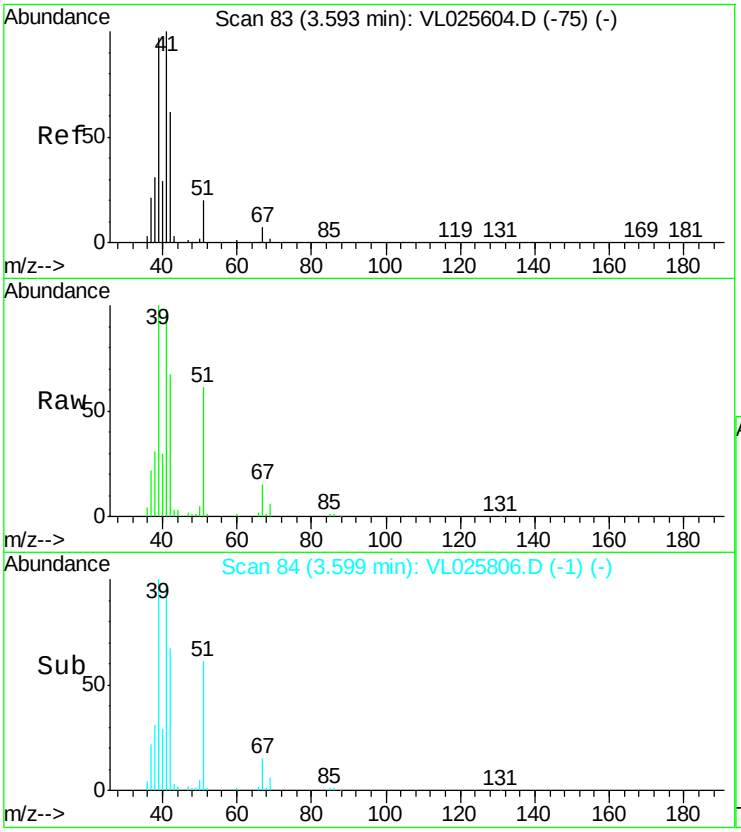


#8
Dichlorotetrafluoroethane
Concen: 8.53 ppbv
RT: 3.81 min Scan# 119
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 85 Resp: 1140576

Ion	Ratio	Lower	Upper
85	100		
135	64.6	52.2	78.4

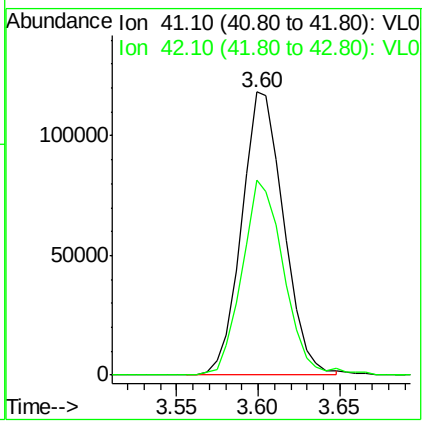




#9
Propene
Concen: 7.72 ppbv
RT: 3.60 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 41 Resp: 212531

Ion	Ratio	Lower	Upper
41	100		
42	68.8	52.4	78.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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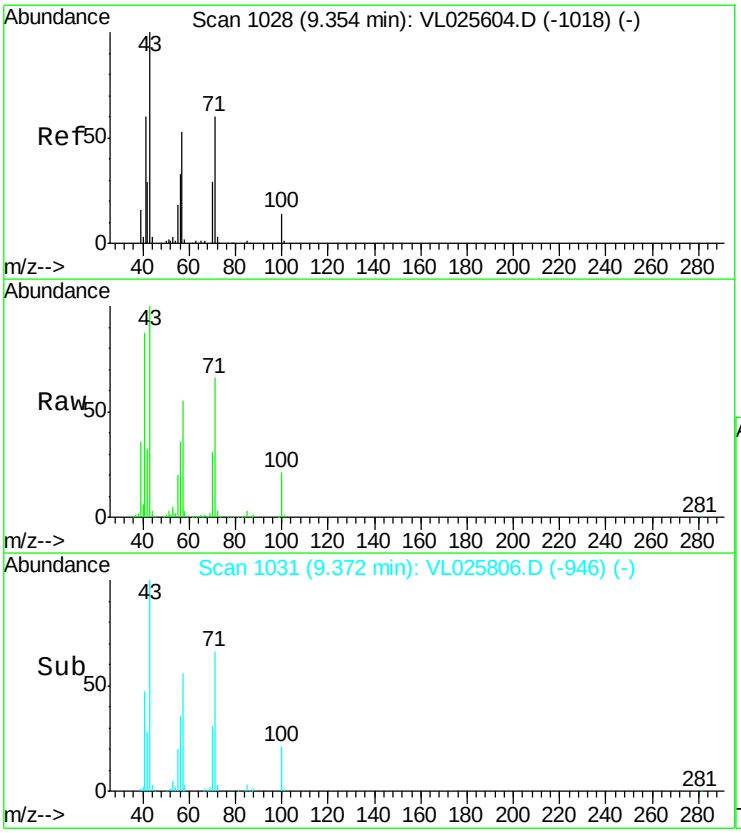
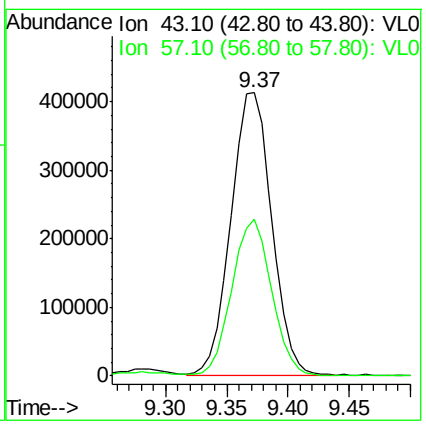
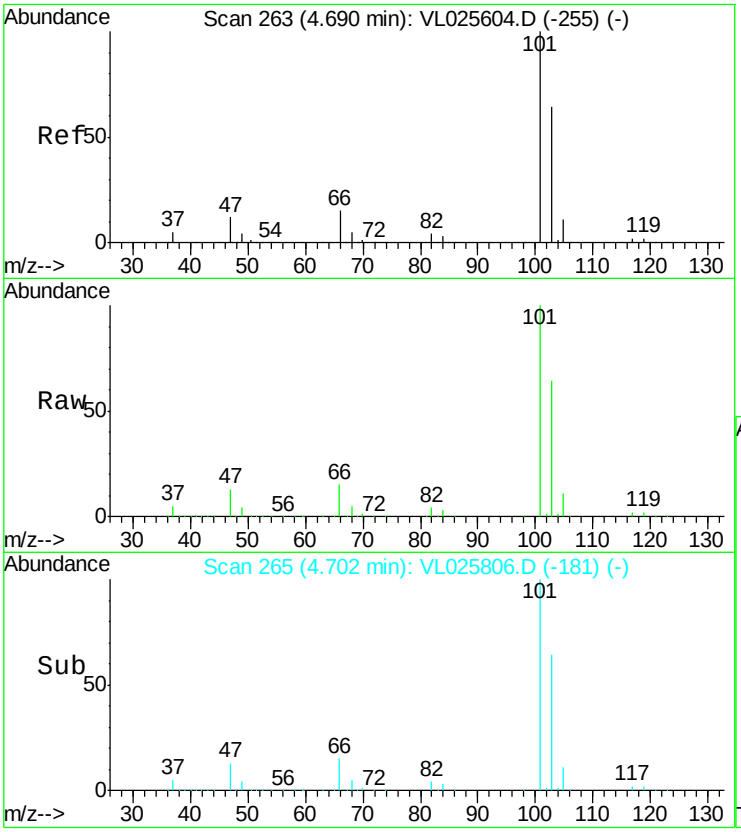


#10
Heptane
Concen: 8.89 ppbv
RT: 9.37 min Scan# 1031
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 43 Resp: 953054

Ion	Ratio	Lower	Upper
43	100		
57	56.1	42.6	64.0

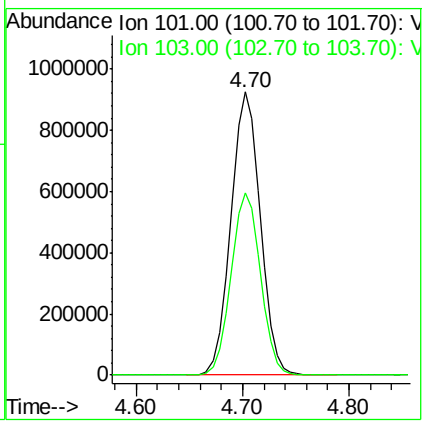




#11
Trichlorofluoromethane
Concen: 9.08 ppbv
RT: 4.70 min Scan# 265
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:101 Resp: 1796080

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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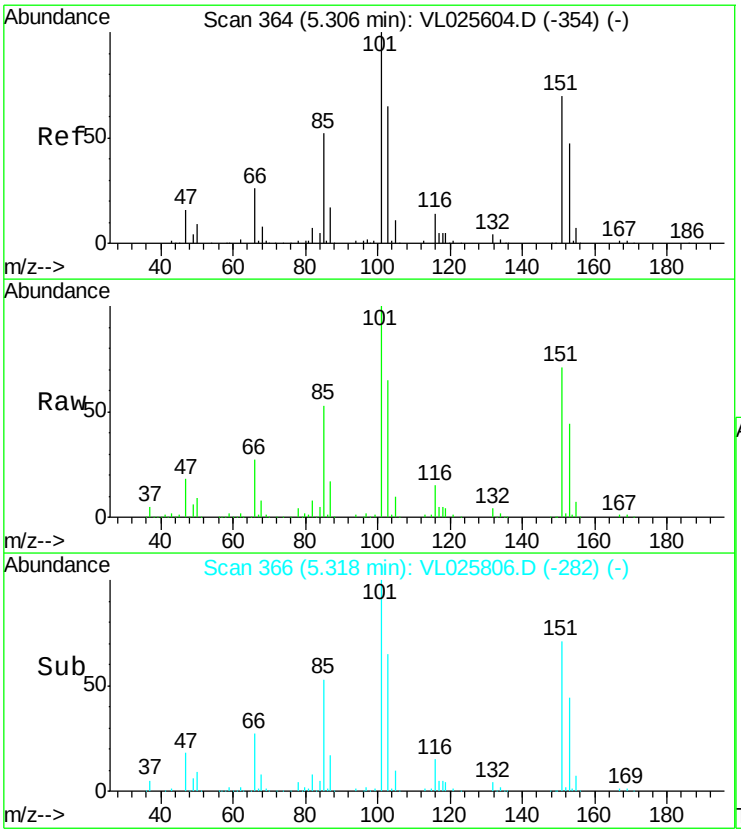
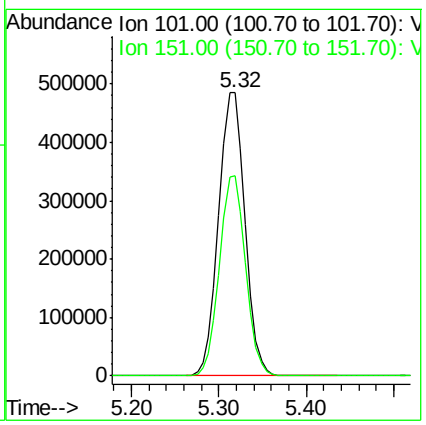
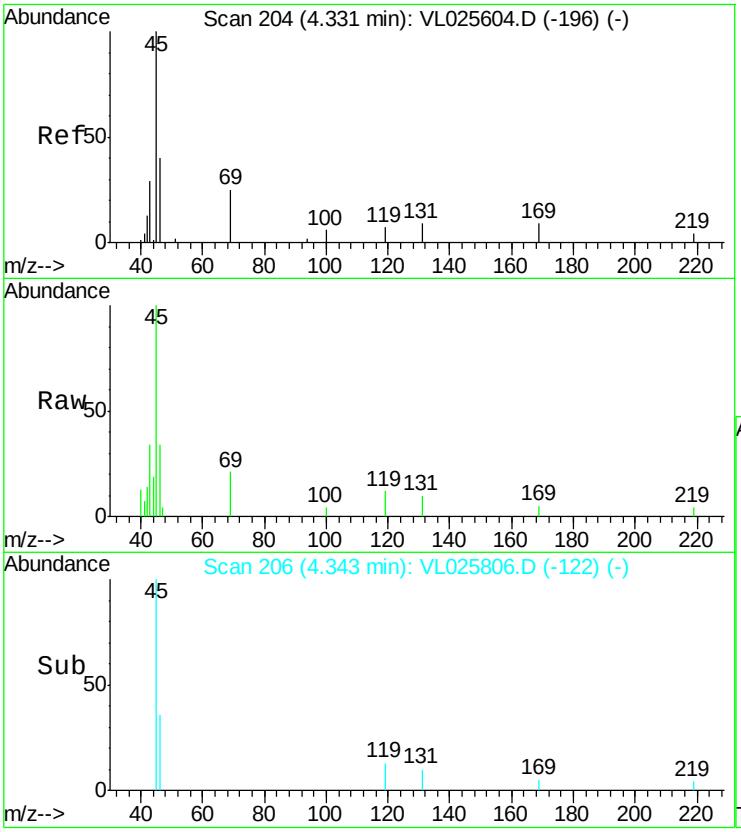


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.99 ppbv
RT: 5.32 min Scan# 366
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:101 Resp: 1018457

Ion	Ratio	Lower	Upper
101	100		
151	70.2	56.3	84.5

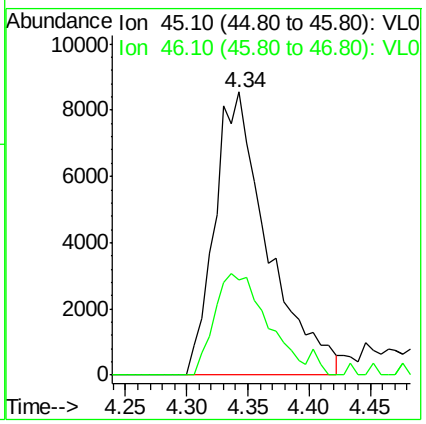




#13
Ethanol
Concen: 6.02 ppbv
RT: 4.34 min Scan# 206
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 45 Resp: 25760

Ion	Ratio	Lower	Upper
45	100		
46	37.8	16.0	64.0



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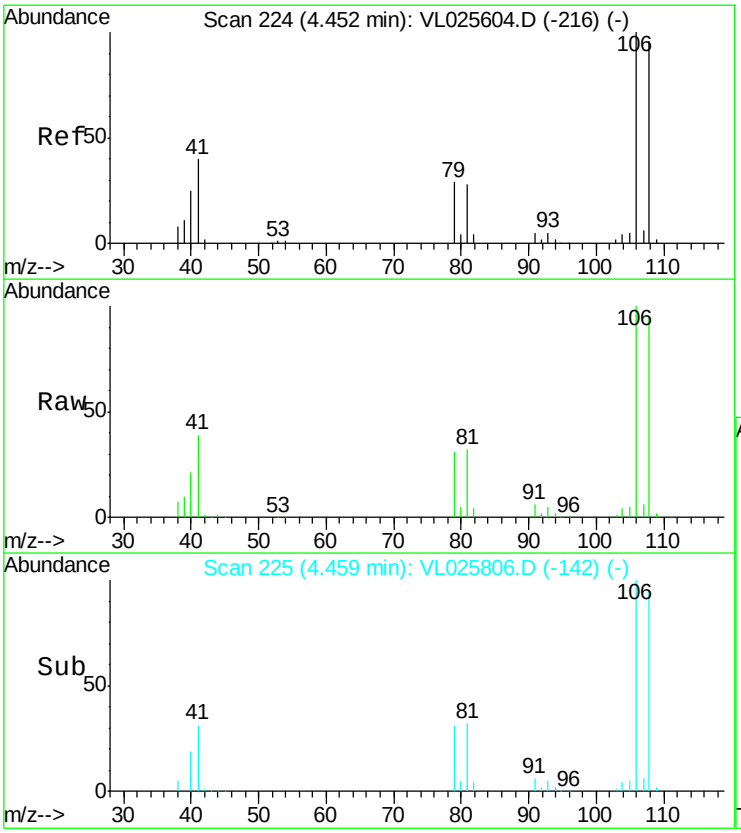
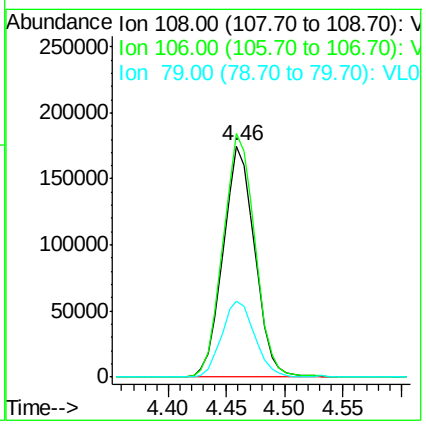
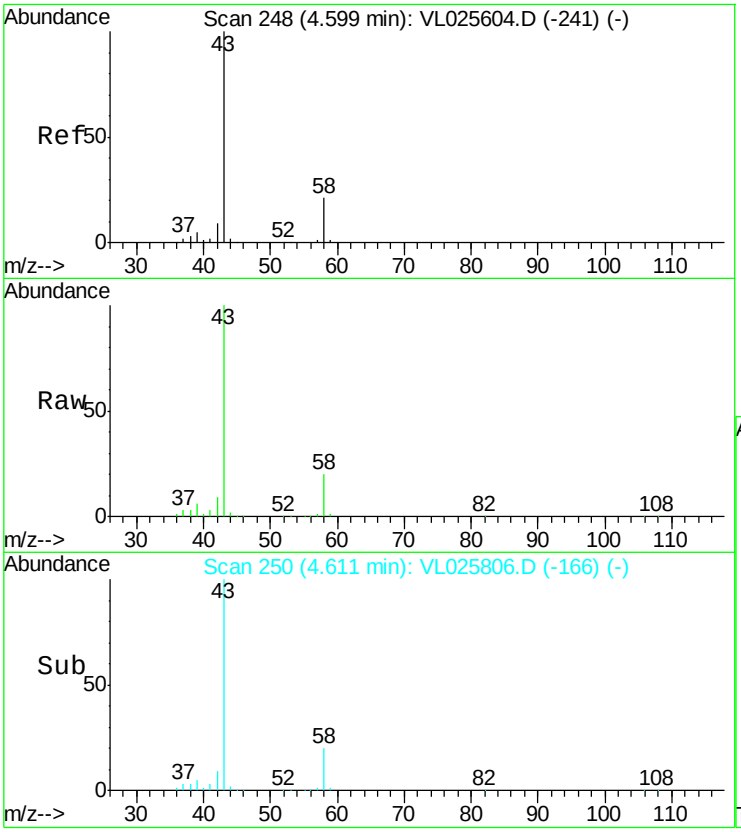


#14
Bromoethene
Concen: 8.91 ppbv
RT: 4.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:108 Resp: 331207

Ion	Ratio	Lower	Upper
108	100		
106	106.7	85.7	128.5
79	34.7	24.6	36.8

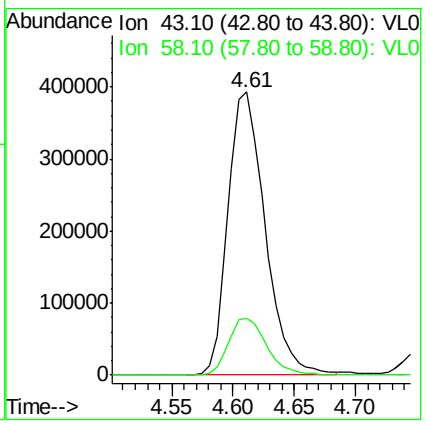




#15
Acetone
Concen: 7.97 ppbv
RT: 4.61 min Scan# 250
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 43 Resp: 828138

Ion	Ratio	Lower	Upper
43	100		
58	20.8	17.2	25.8



Instrument :
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ClientSampleId :
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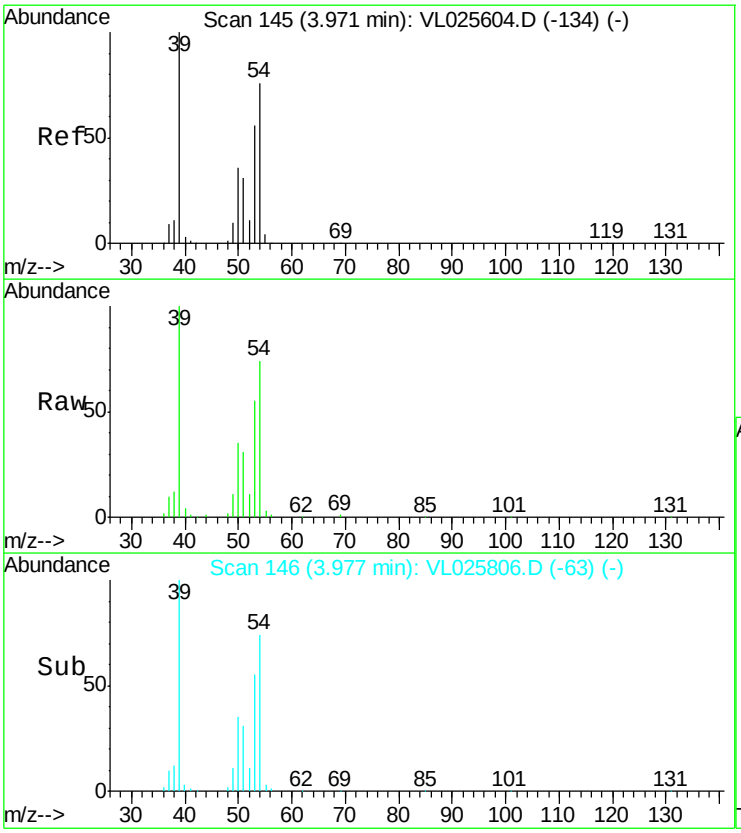
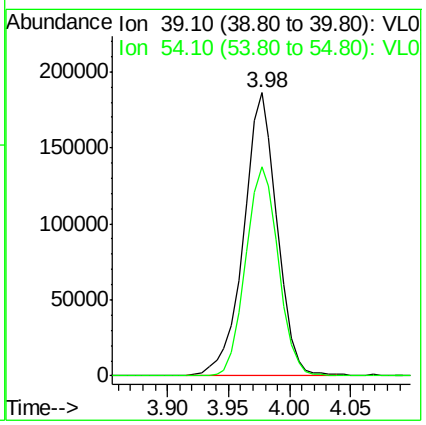
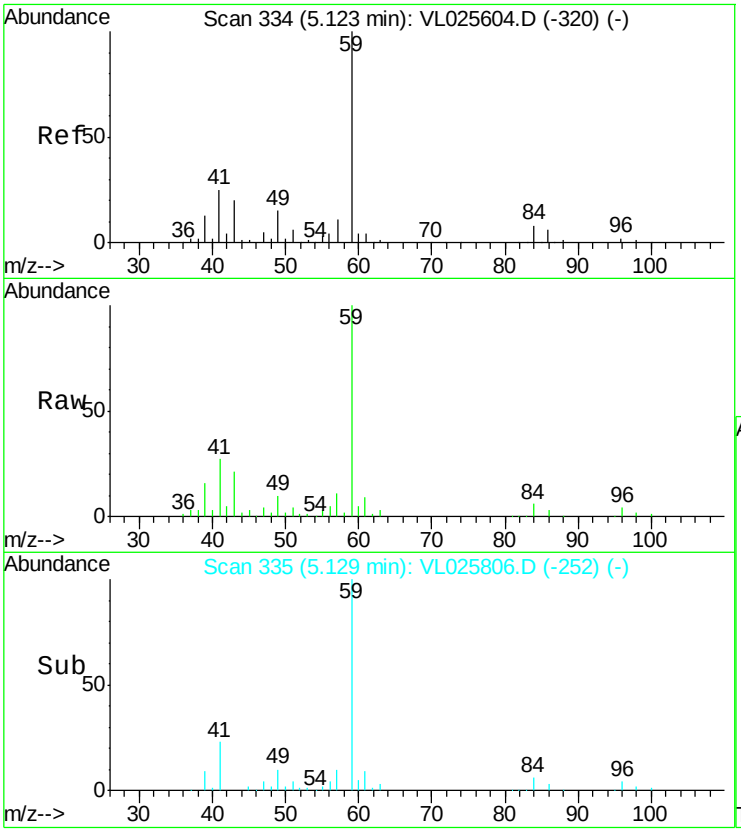


#16
1,3-Butadiene
Concen: 8.56 ppbv
RT: 3.98 min Scan# 146
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 39 Resp: 354161

Ion	Ratio	Lower	Upper
39	100		
54	72.5	59.3	88.9

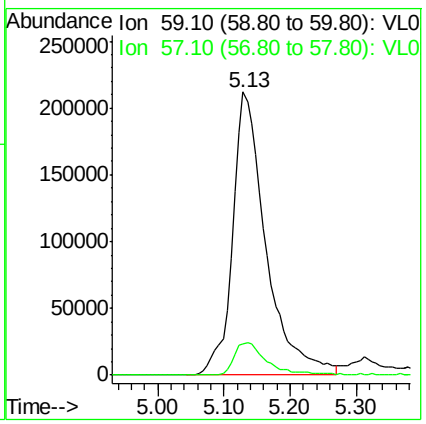




#17
tert-Butyl alcohol
Concen: 8.51 ppbv
RT: 5.13 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 59 Resp: 741918

Ion	Ratio	Lower	Upper
59	100		
57	11.7	9.4	14.2



Instrument :
MSVOA_L
ClientSampleId :
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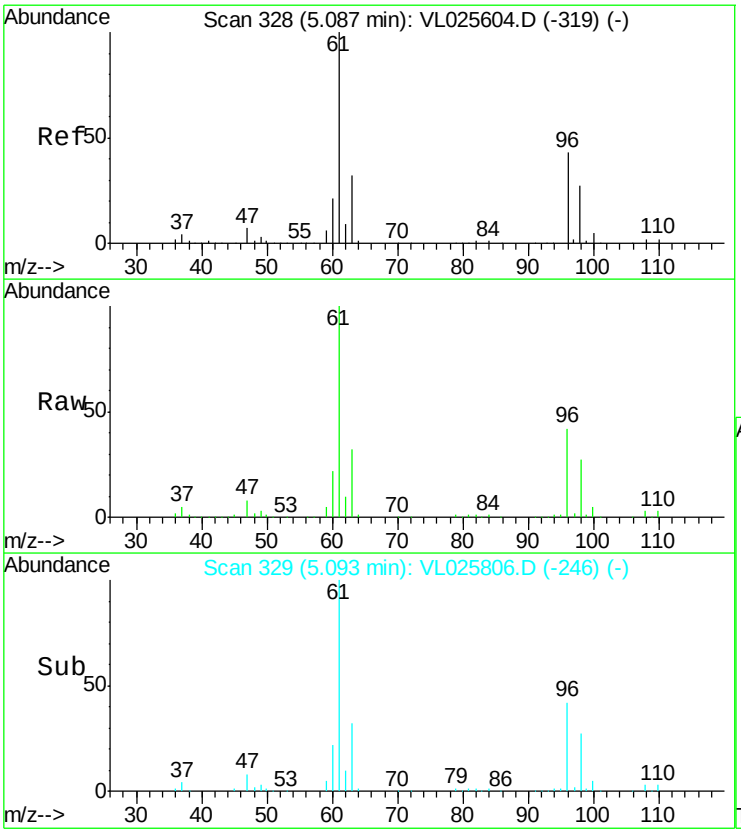
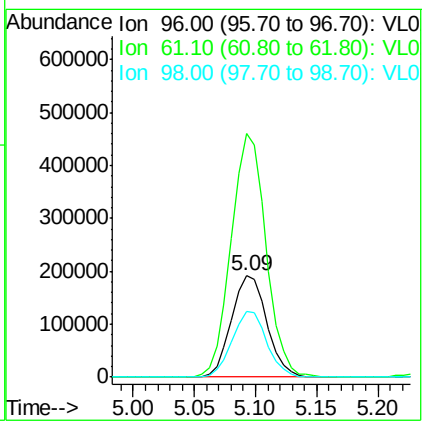
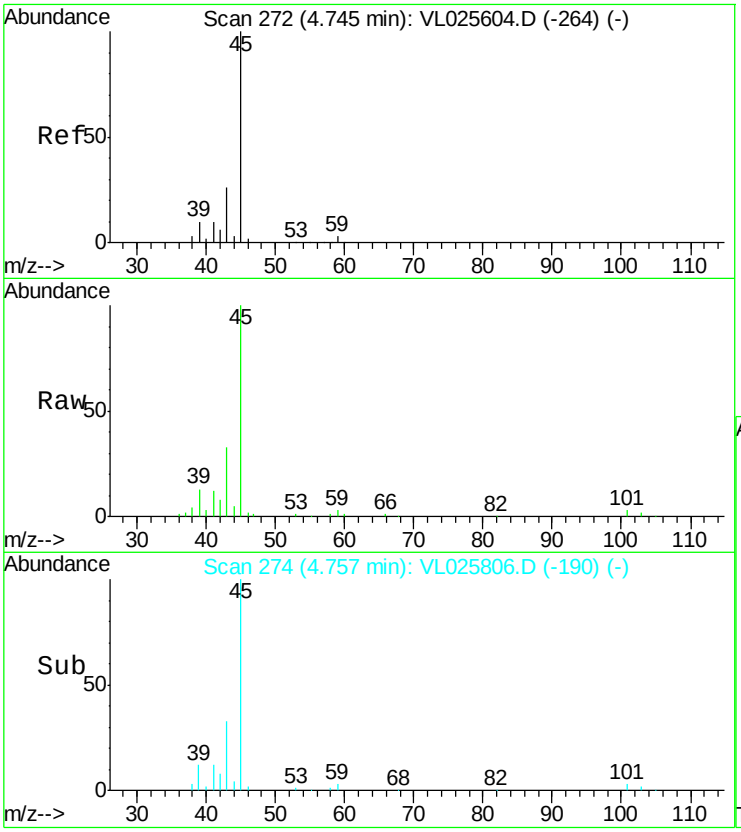


#18
1,1-Dichloroethene
Concen: 8.87 ppbv
RT: 5.09 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 96 Resp: 385099

Ion	Ratio	Lower	Upper
96	100		
61	240.1	184.1	276.1
98	64.3	50.0	75.0

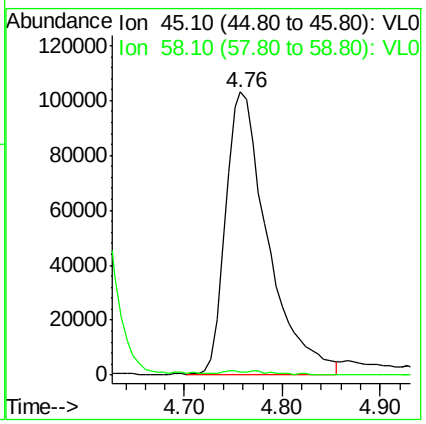




#19
Isopropyl Alcohol
Concen: 7.46 ppbv
RT: 4.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 45 Resp: 309254

Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.1	1.7#



Instrument :
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ClientSampleId :
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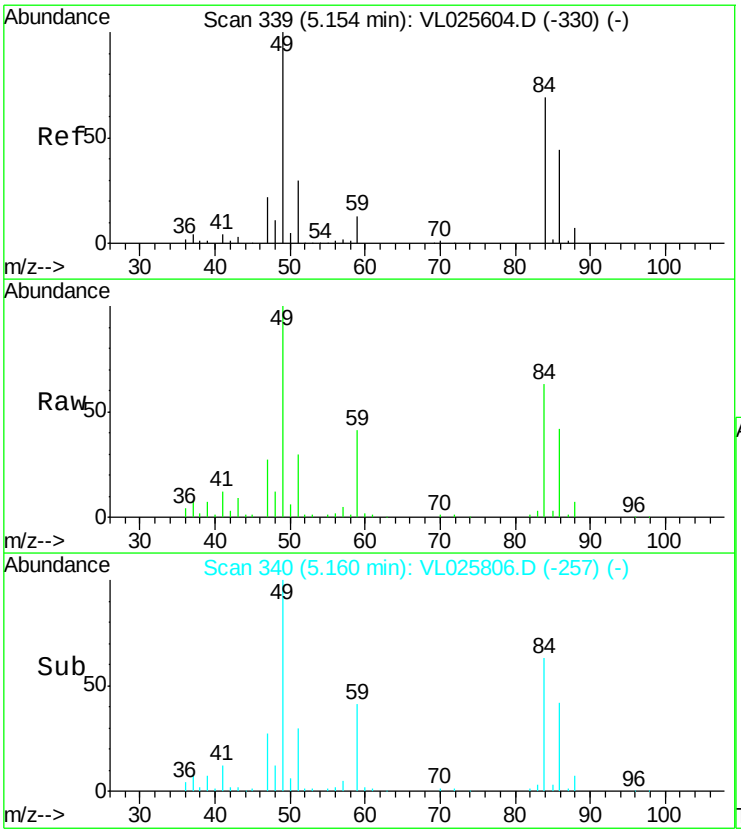
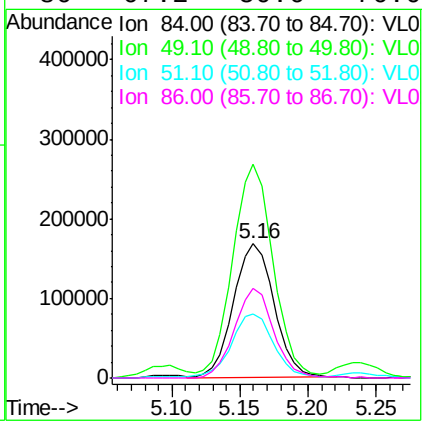
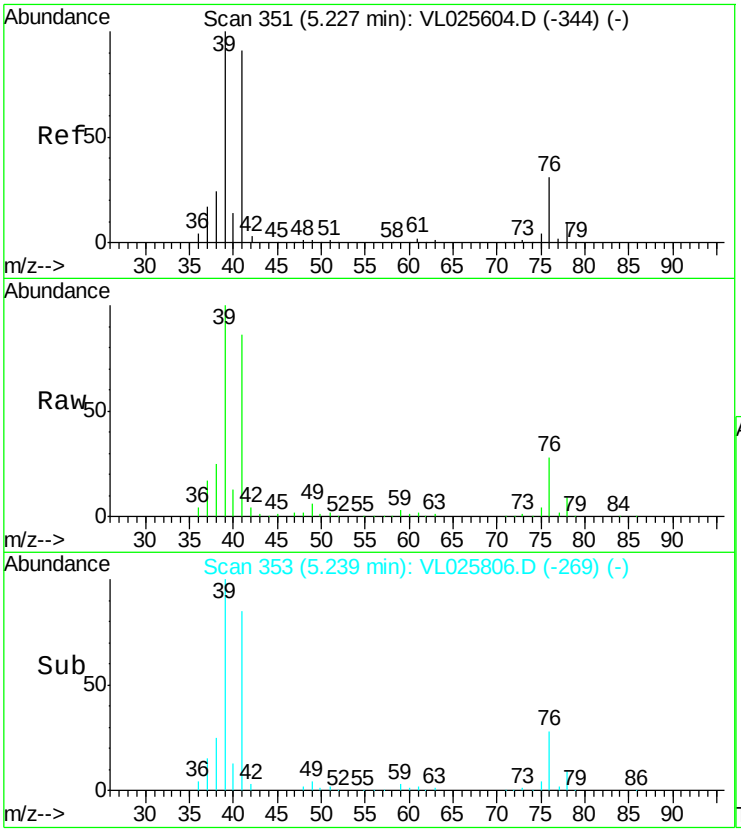


#20
Methylene Chloride
Concen: 8.29 ppbv
RT: 5.16 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 84 Resp: 349954

Ion	Ratio	Lower	Upper
84	100		
49	155.6	115.2	172.8
51	47.1	35.0	52.6
86	67.2	50.6	76.0

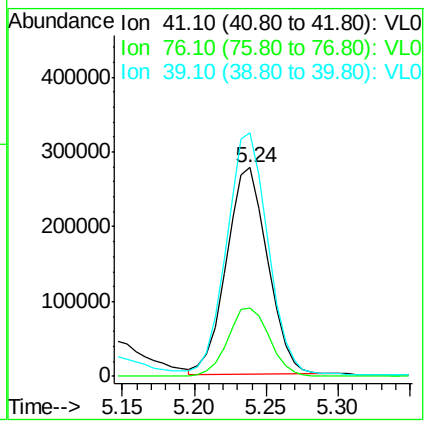




#21
Allyl Chloride
Concen: 8.52 ppbv
RT: 5.24 min Scan# 353
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 41 Resp: 554096

Ion	Ratio	Lower	Upper
41	100		
76	33.3	26.6	40.0
39	120.8	88.2	132.4



Instrument :
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ClientSampleId :
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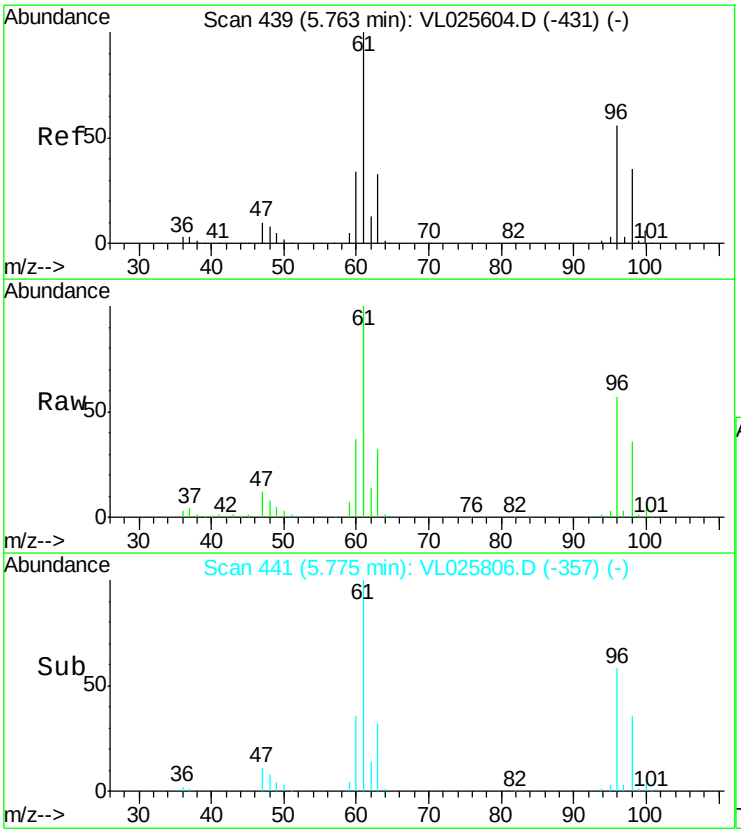
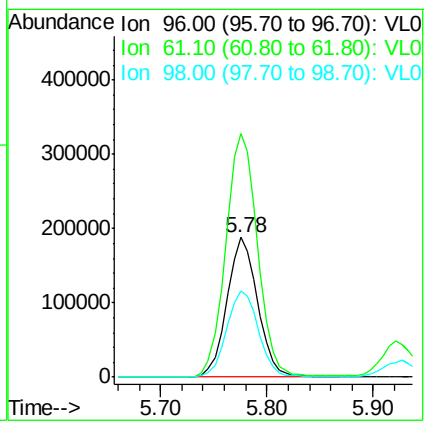
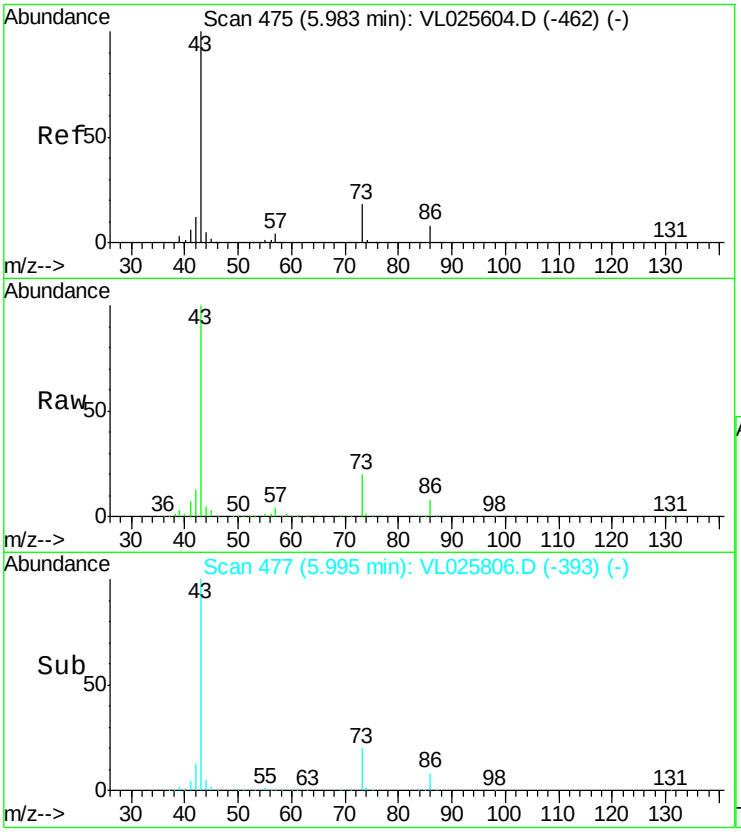


#22
trans-1,2-Dichloroethene
Concen: 8.59 ppbv
RT: 5.78 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 96 Resp: 380500

Ion	Ratio	Lower	Upper
96	100		
61	174.4	141.8	212.6
98	62.0	49.0	73.6

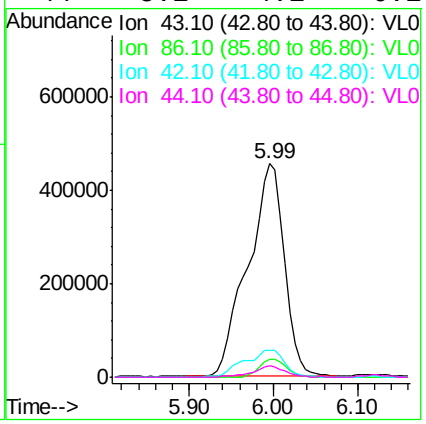




#23
Vinyl Acetate
Concen: 8.57 ppbv
RT: 5.99 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 43 Resp: 1349514

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.7	10.1
42	12.8	9.8	14.6
44	5.1	4.1	6.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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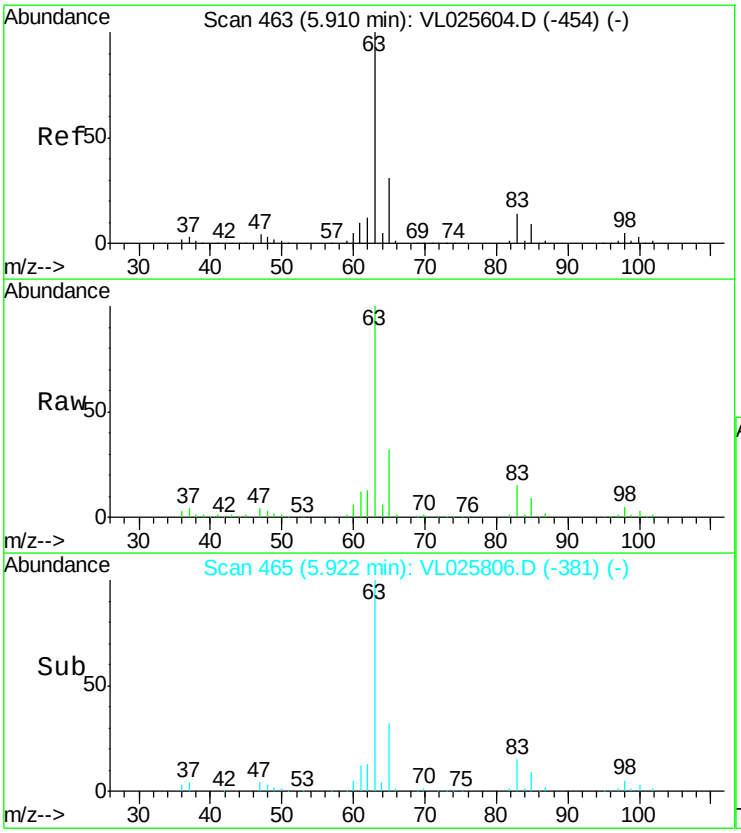
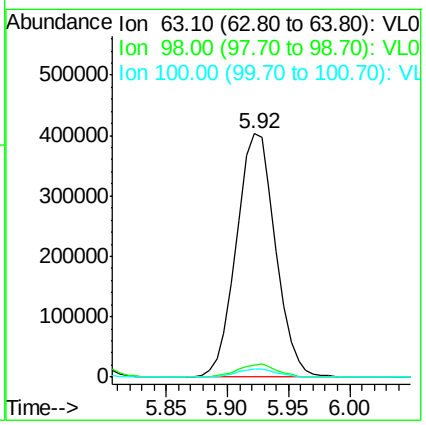
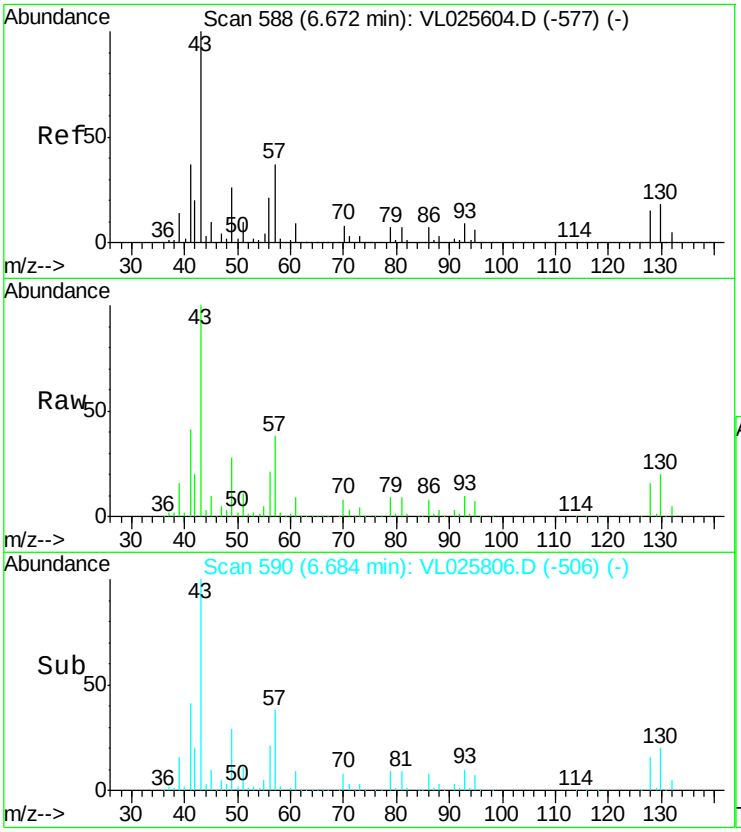


#24
1,1-Dichloroethane
Concen: 8.46 ppbv
RT: 5.92 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 63 Resp: 893315

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.6	8.0
100	3.4	1.6	4.7

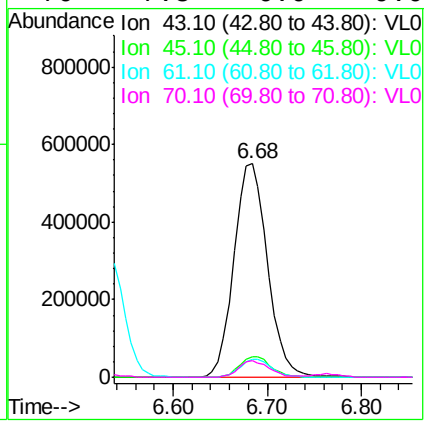




#25
Ethyl Acetate
Concen: 8.68 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 43 Resp: 1364455

Ion	Ratio	Lower	Upper
43	100		
45	9.3	7.5	11.3
61	8.3	6.6	10.0
70	7.3	6.0	9.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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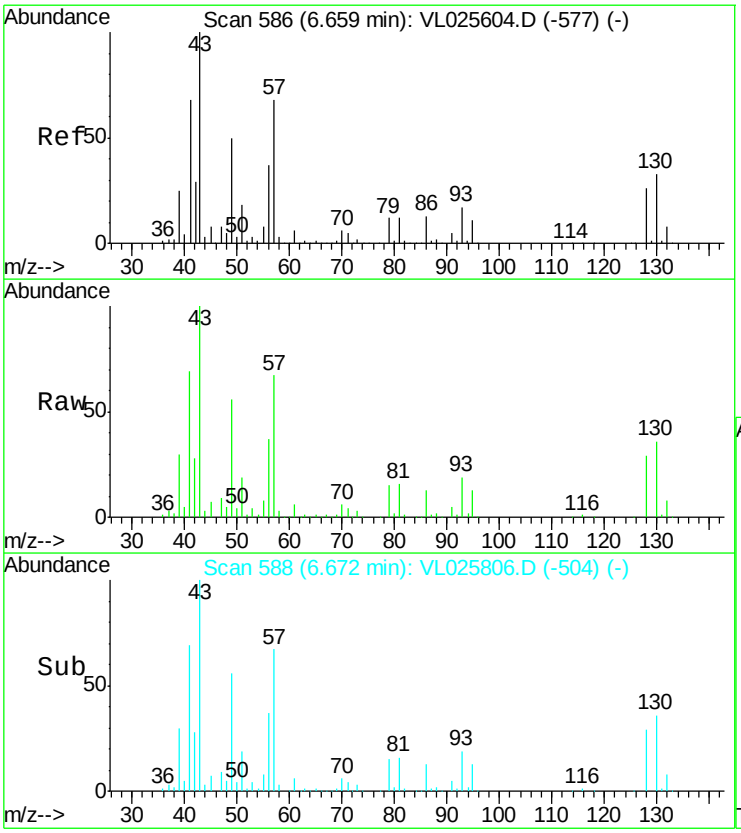
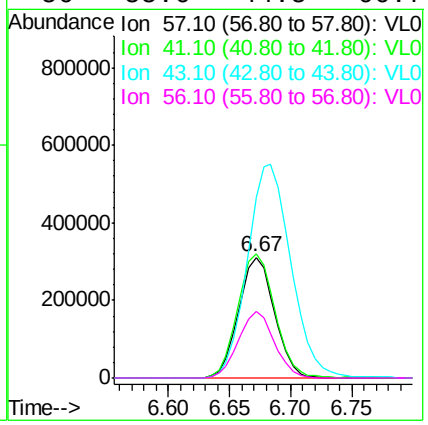
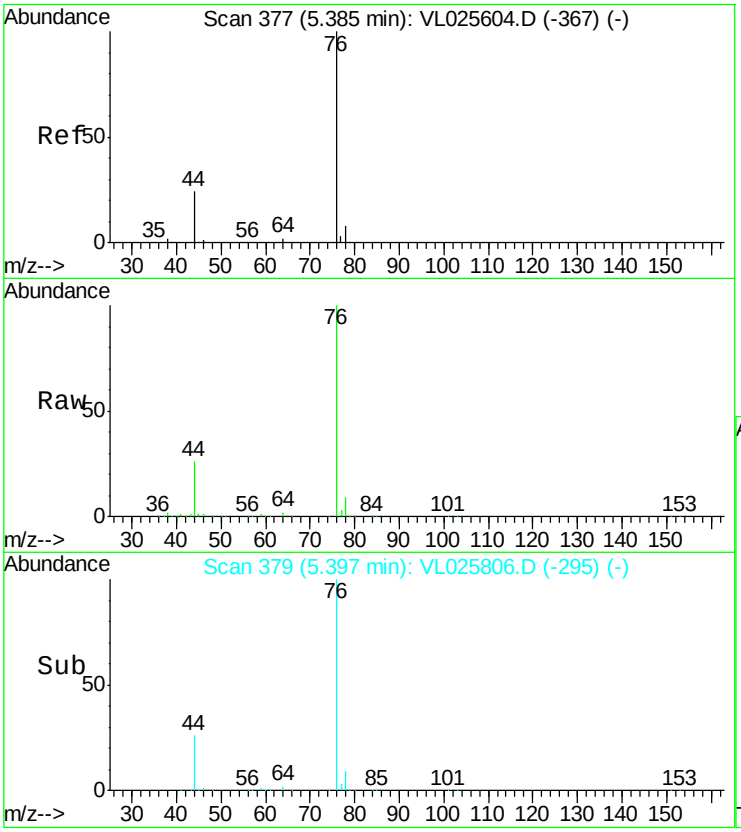


#26
Hexane
Concen: 8.53 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 57 Resp: 631363

Ion	Ratio	Lower	Upper
57	100		
41	108.1	81.4	122.2
43	216.3	171.4	257.2
56	55.6	44.5	66.7

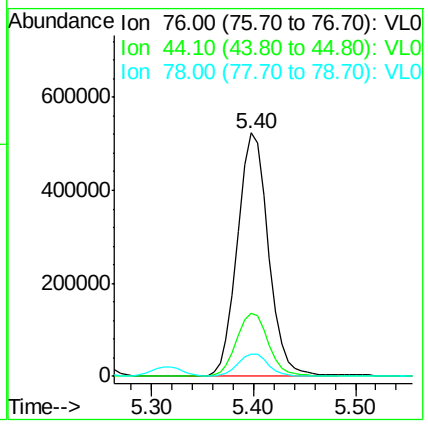




#27
Carbon Disulfide
Concen: 9.23 ppbv
RT: 5.40 min Scan# 379
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 76 Resp: 1106288

Ion	Ratio	Lower	Upper
76	100		
44	26.9	20.2	30.4
78	9.3	7.4	11.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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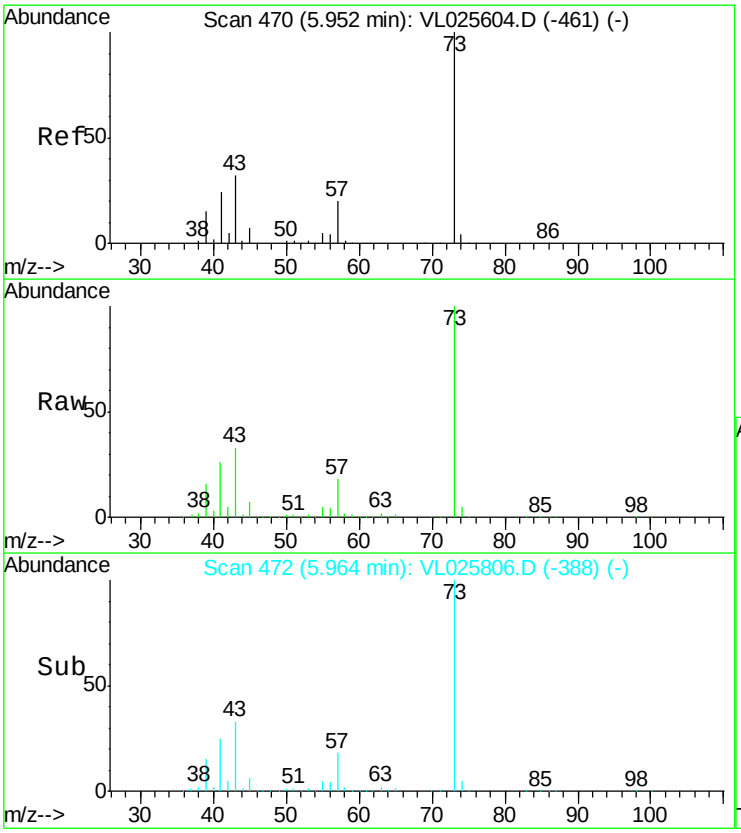
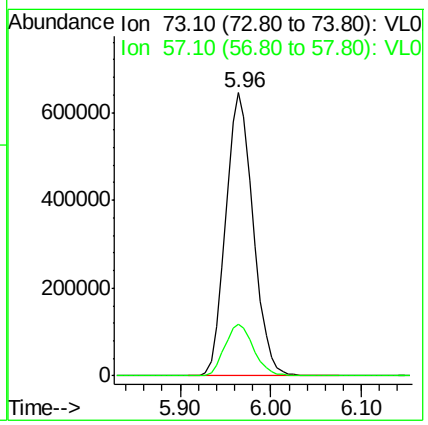
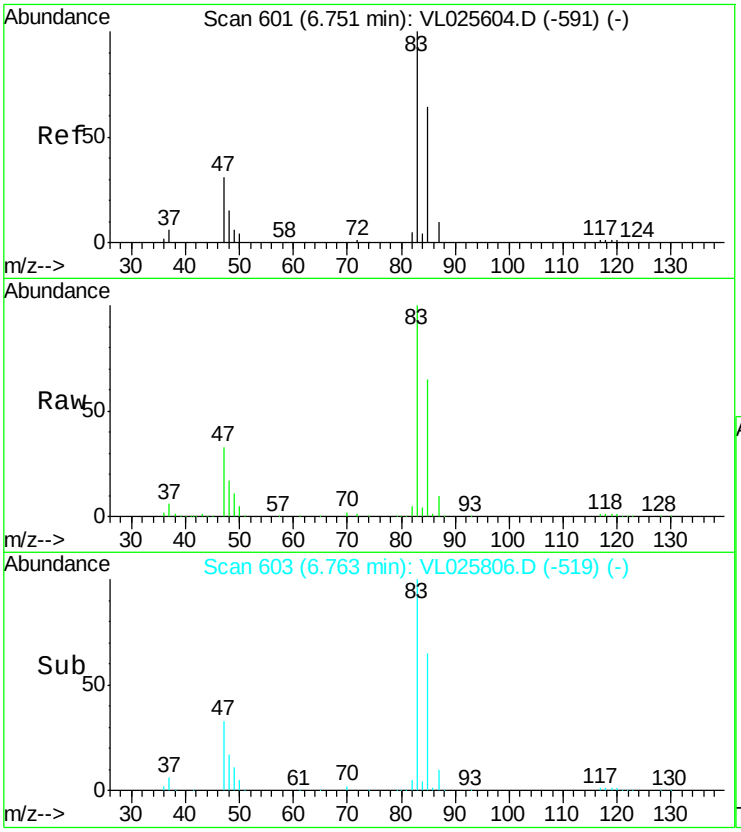


#28
Methyl tert-Butyl Ether
Concen: 9.29 ppbv
RT: 5.96 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 73 Resp: 1367180

Ion	Ratio	Lower	Upper
73	100		
57	18.9	16.0	24.0

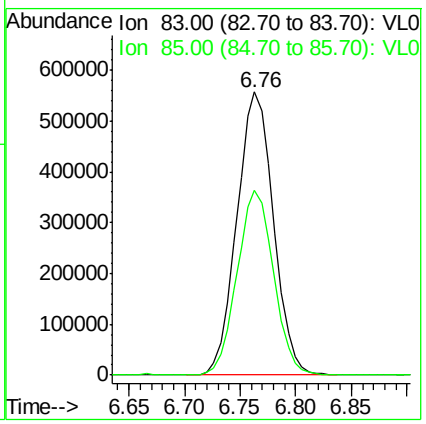




#29
Chloroform
Concen: 8.70 ppbv
RT: 6.76 min Scan# 603
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 83 Resp: 1272508

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.6	77.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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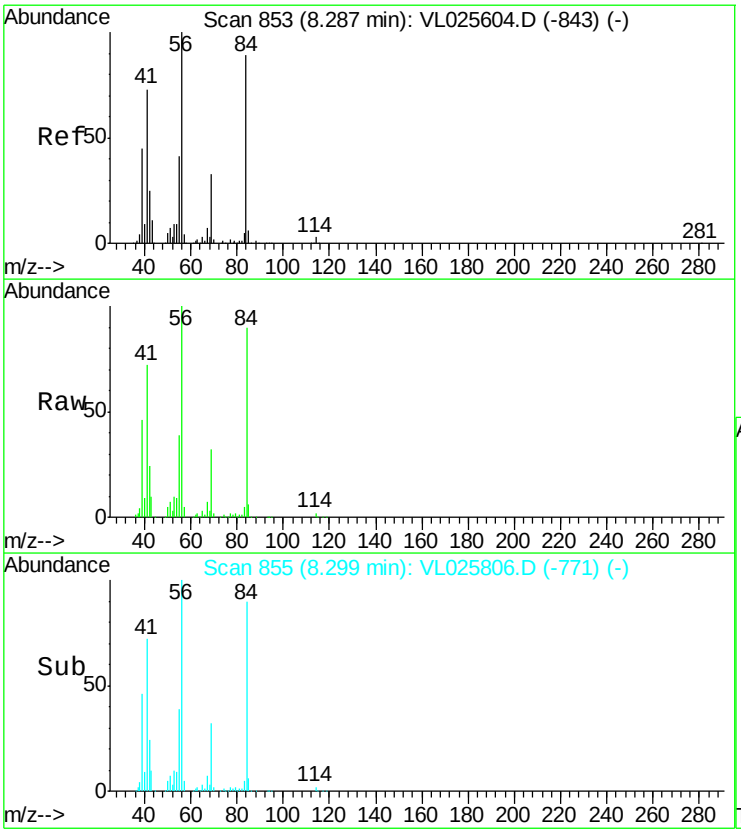
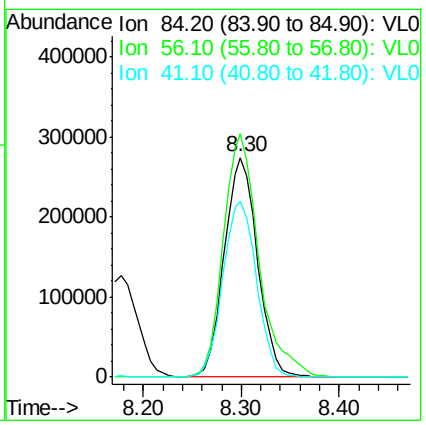
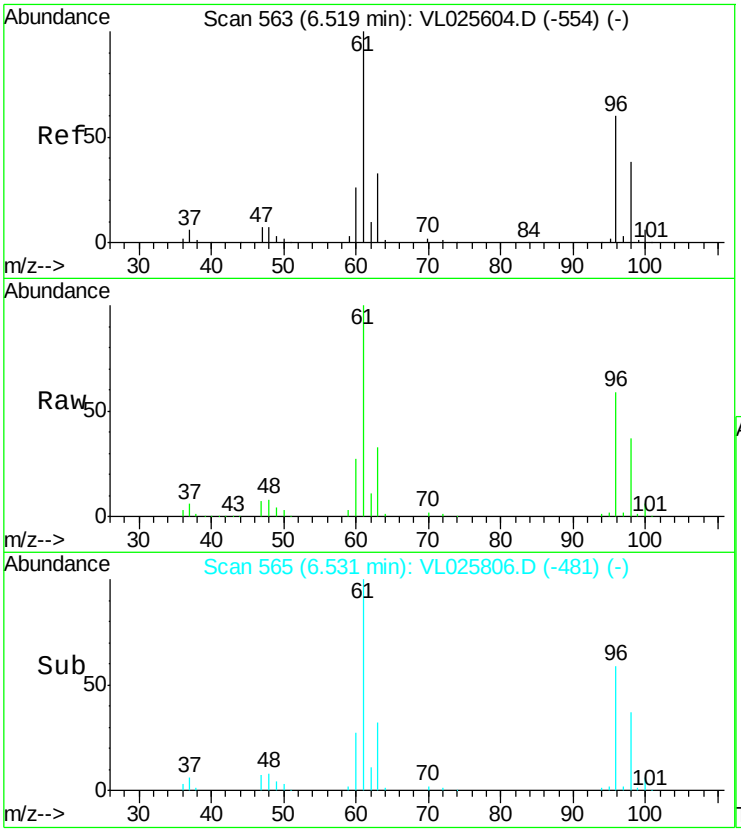


#30
Cyclohexane
Concen: 9.10 ppbv
RT: 8.30 min Scan# 855
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 84 Resp: 644297

Ion	Ratio	Lower	Upper
84	100		
56	119.1	97.5	146.3
41	81.6	65.4	98.2

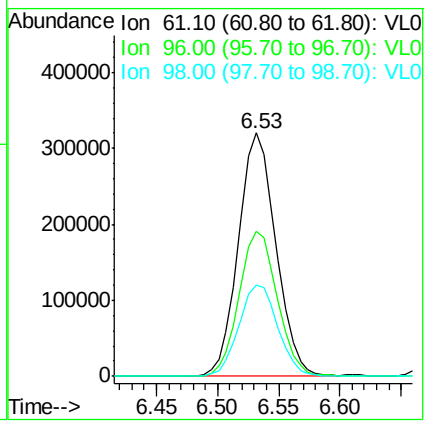




#31
cis-1,2-Dichloroethene
Concen: 9.30 ppbv
RT: 6.53 min Scan# 565
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 61 Resp: 684493

Ion	Ratio	Lower	Upper
61	100		
96	59.3	48.1	72.1
98	37.5	30.7	46.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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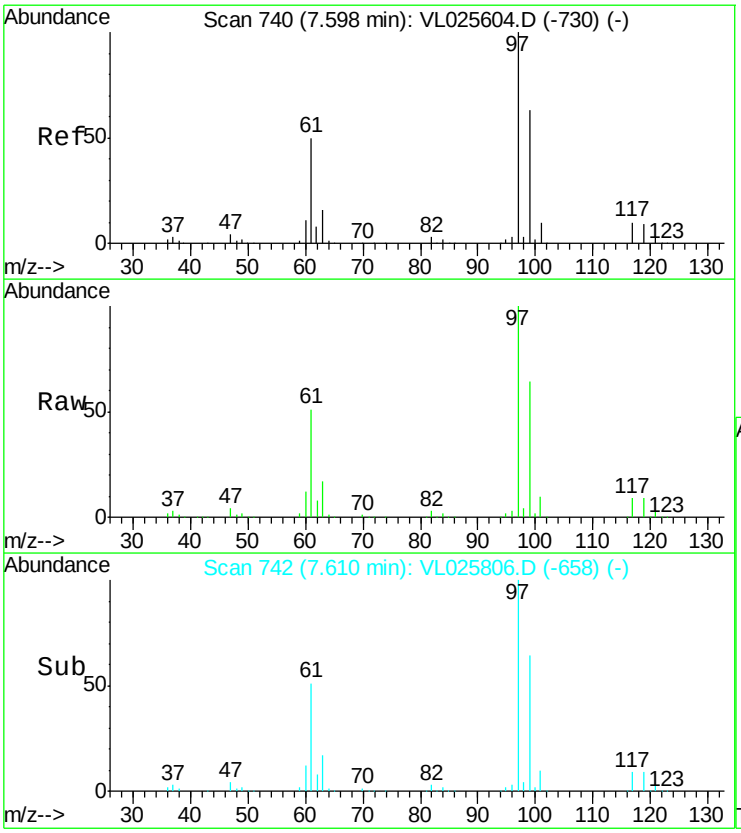
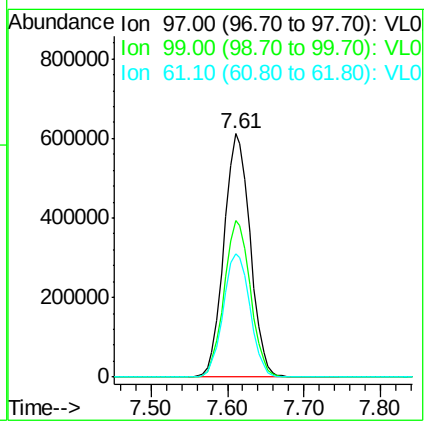
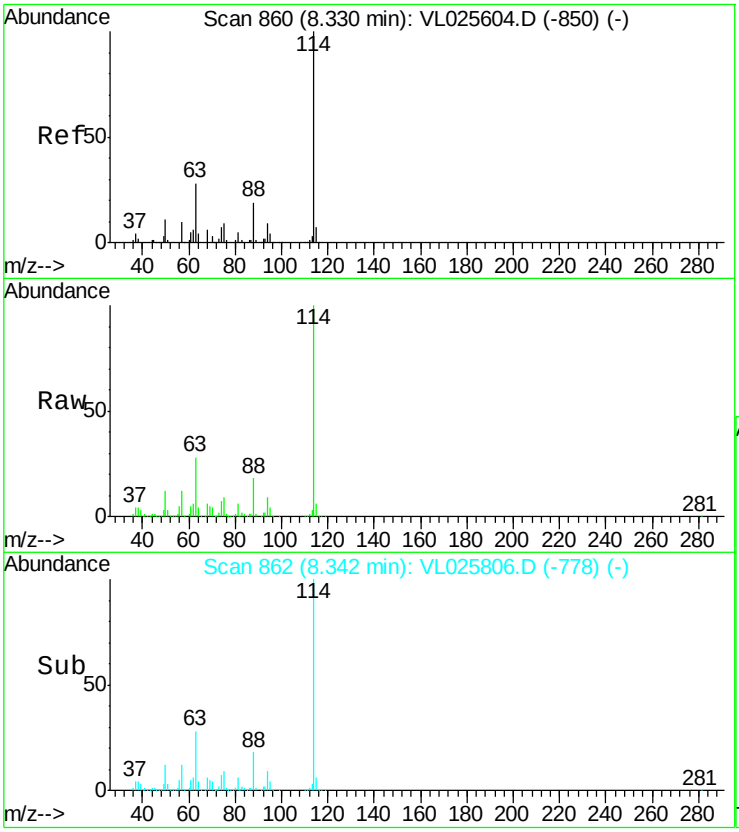


#32
1,1,1-Trichloroethane
Concen: 9.13 ppbv
RT: 7.61 min Scan# 742
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 97 Resp: 1451284

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.2	76.8
61	51.9	40.4	60.6

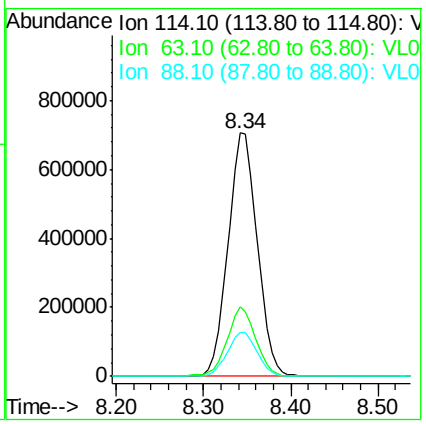




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.34 min Scan# 862
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:114 Resp: 1638143

Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.4	33.6
88	18.5	15.0	22.4



Instrument :
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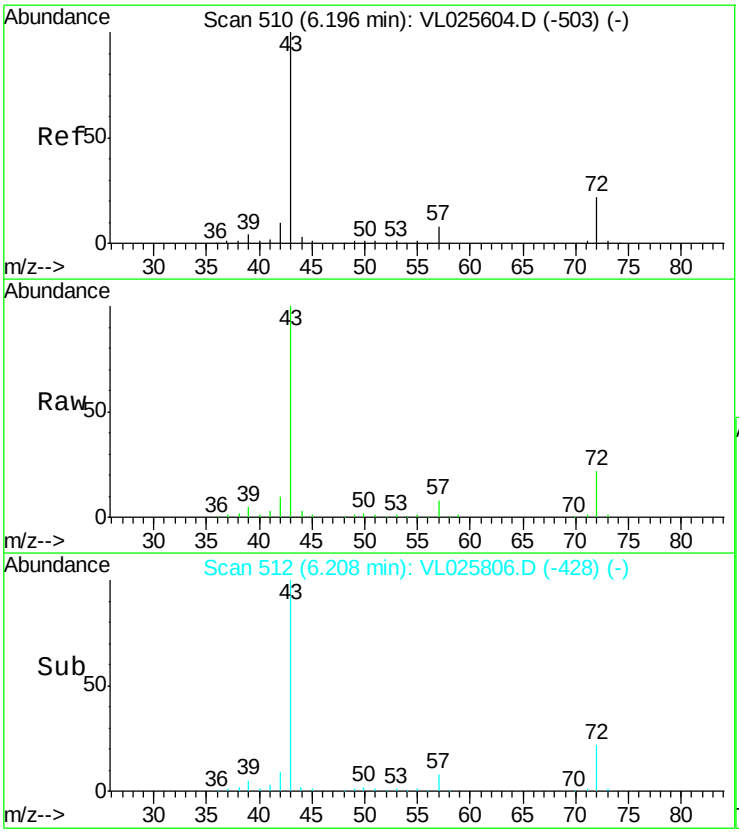
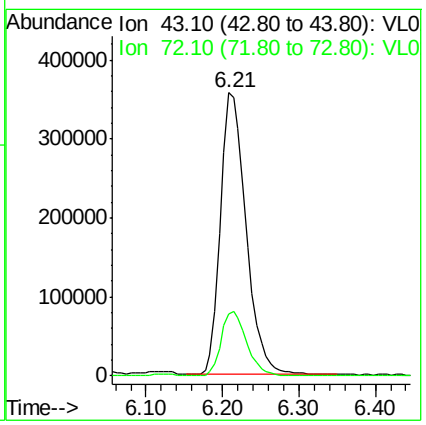
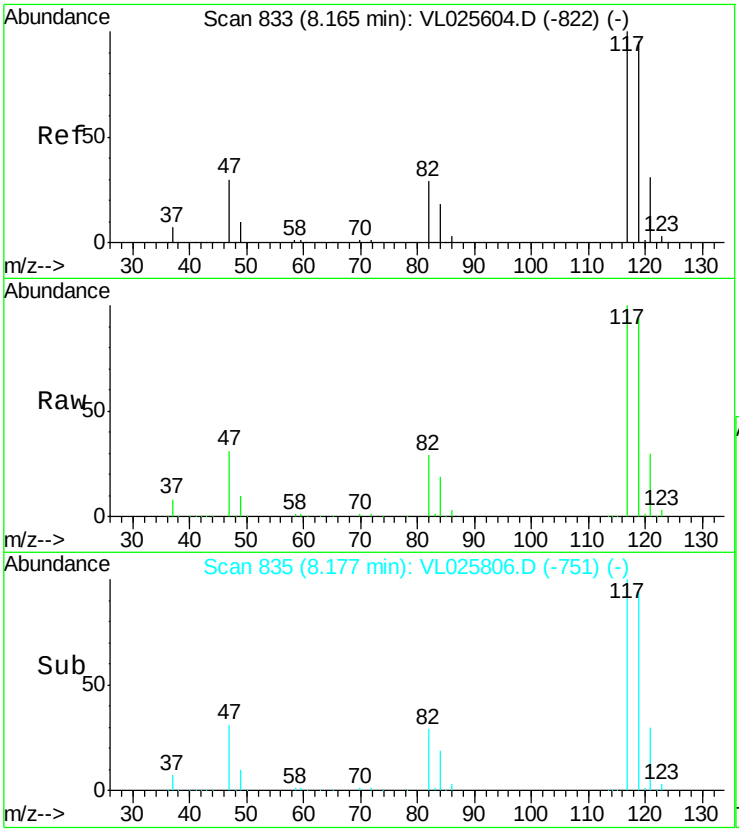


#34
2-Butanone
Concen: 8.92 ppbv
RT: 6.21 min Scan# 512
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 43 Resp: 829288

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.6	28.0

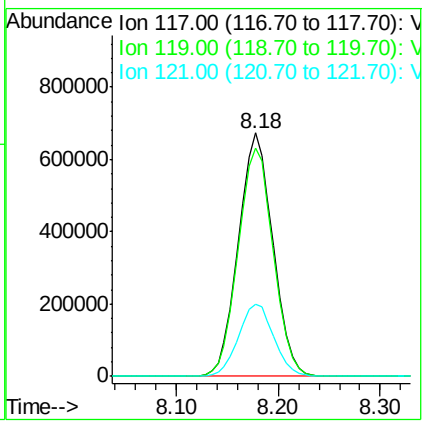




#35
Carbon Tetrachloride
Concen: 9.05 ppbv
RT: 8.18 min Scan# 835
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:117 Resp: 1580322

Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.9	113.9
121	29.6	24.4	36.6



Instrument :
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ClientSampleId :
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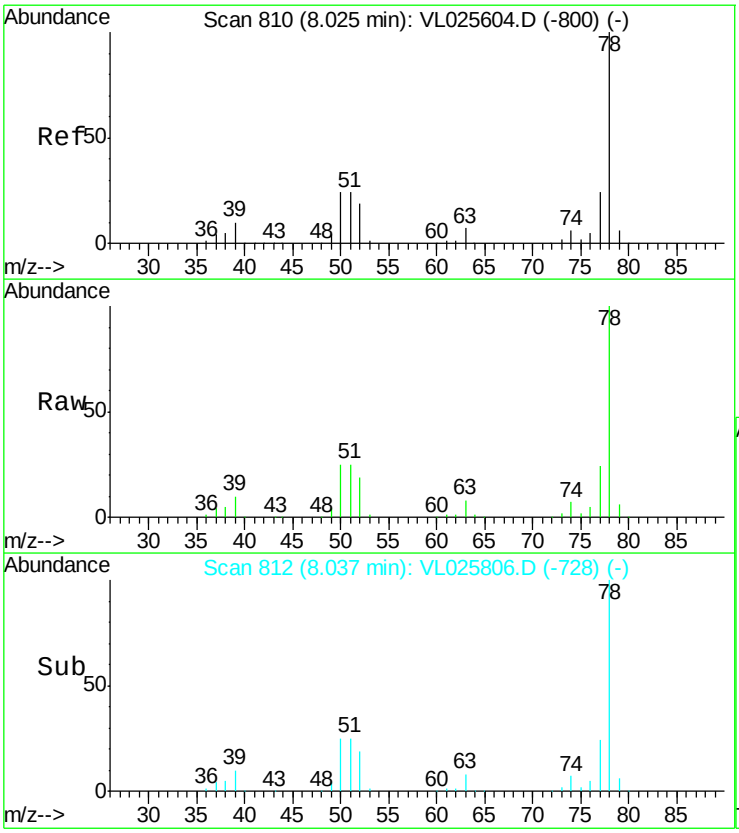
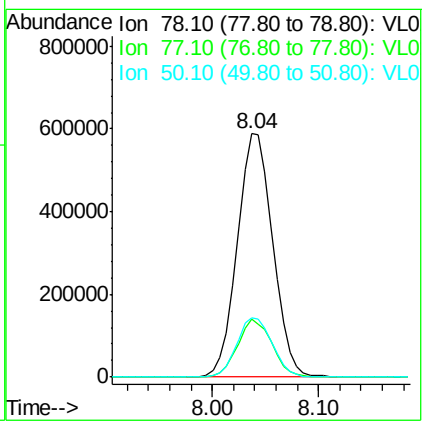
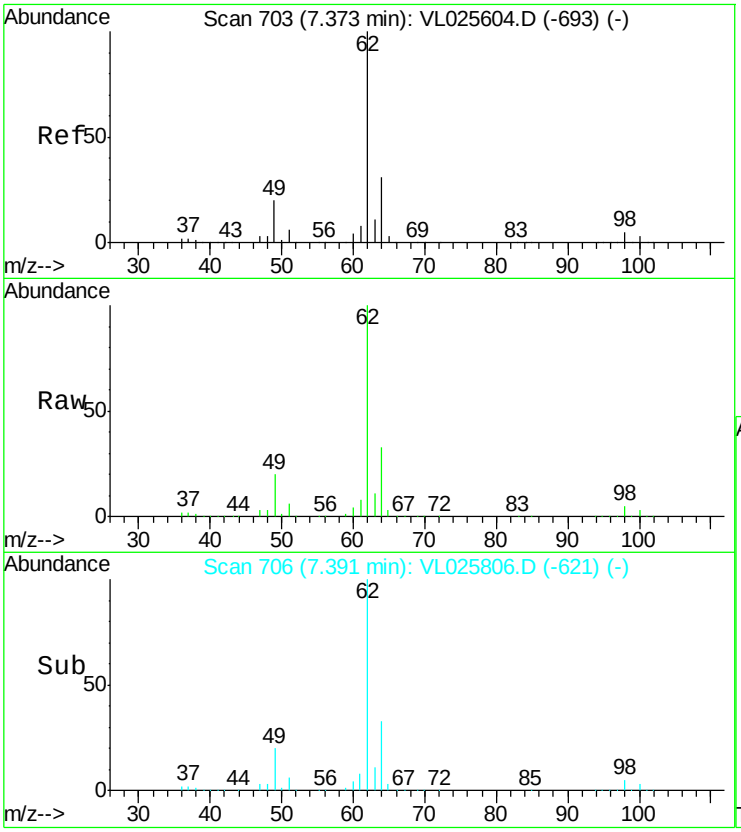


#36
Benzene
Concen: 8.81 ppbv
RT: 8.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 78 Resp: 1381506

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4
50	24.6	19.2	28.8

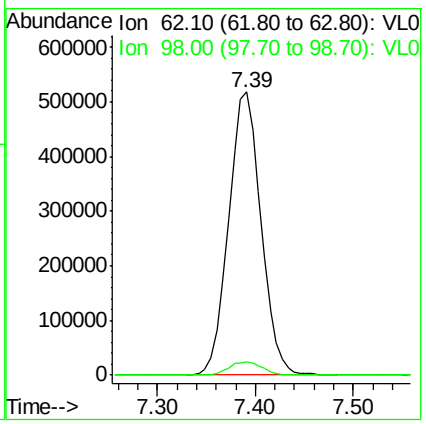




#37
1,2-Dichloroethane
Concen: 8.87 ppbv
RT: 7.39 min Scan# 706
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 62 Resp: 1188810

Ion	Ratio	Lower	Upper
62	100		
98	4.9	4.1	6.1



Instrument :
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ClientSampleId :
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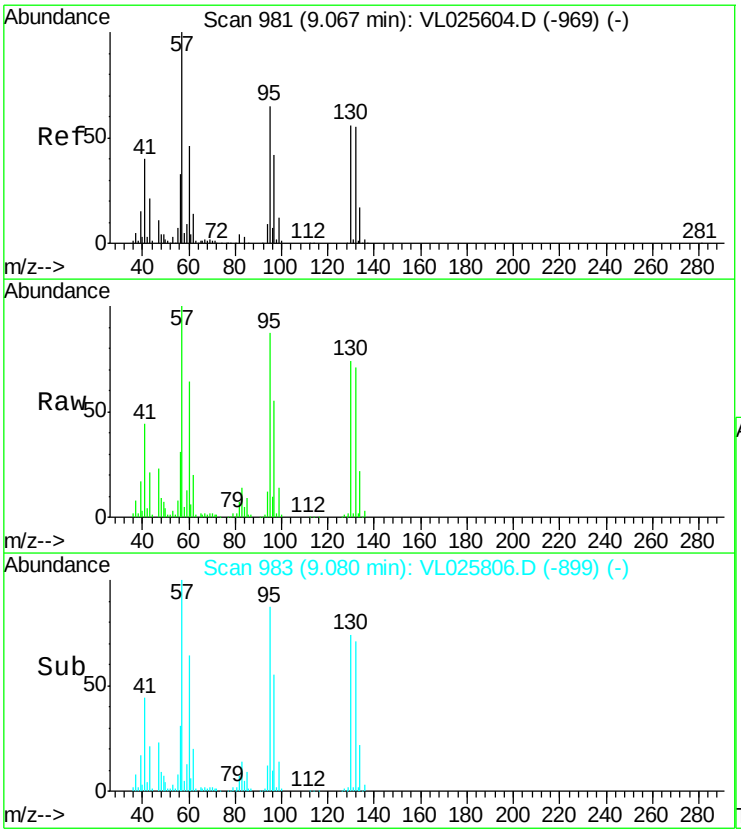
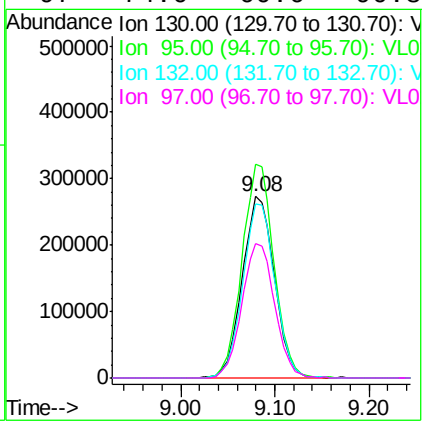
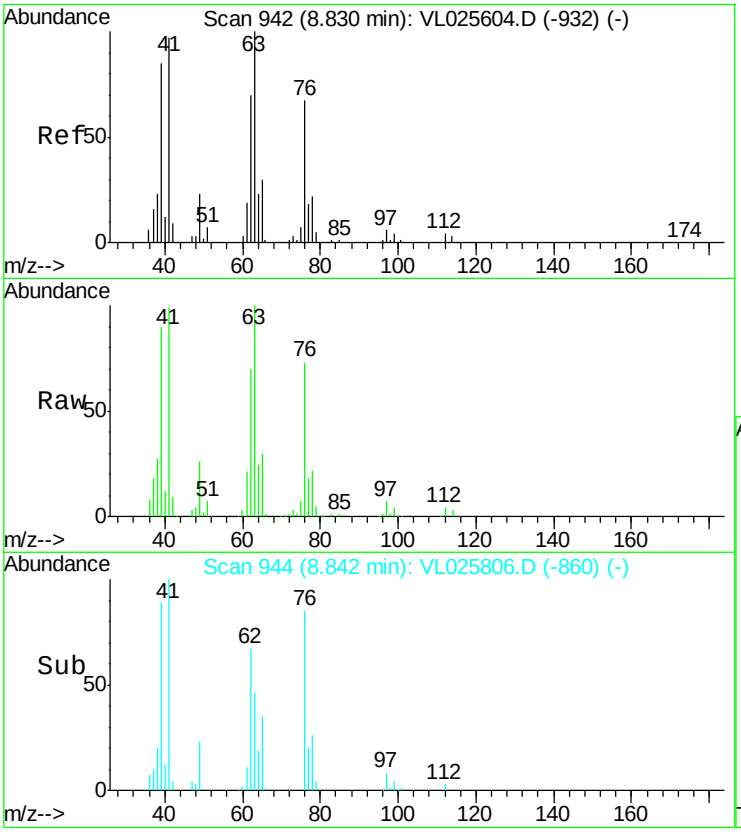


#38
Trichloroethene
Concen: 8.96 ppbv
RT: 9.08 min Scan# 983
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:130 Resp: 653816

Ion	Ratio	Lower	Upper
130	100		
95	117.7	94.2	141.4
132	96.2	78.6	118.0
97	74.0	60.6	90.8

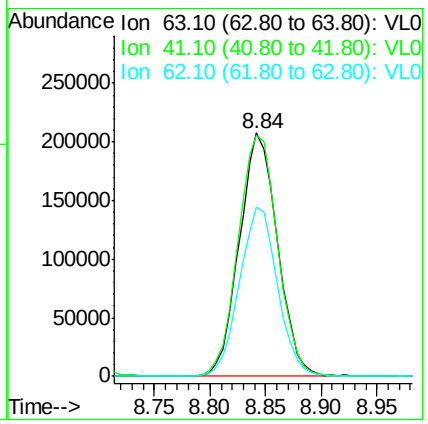




#39
1,2-Dichloropropane
Concen: 8.53 ppbv
RT: 8.84 min Scan# 944
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 63 Resp: 494105

Ion	Ratio	Lower	Upper
63	100		
41	99.2	78.0	117.0
62	69.7	55.7	83.5



Instrument :
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ClientSampleId :
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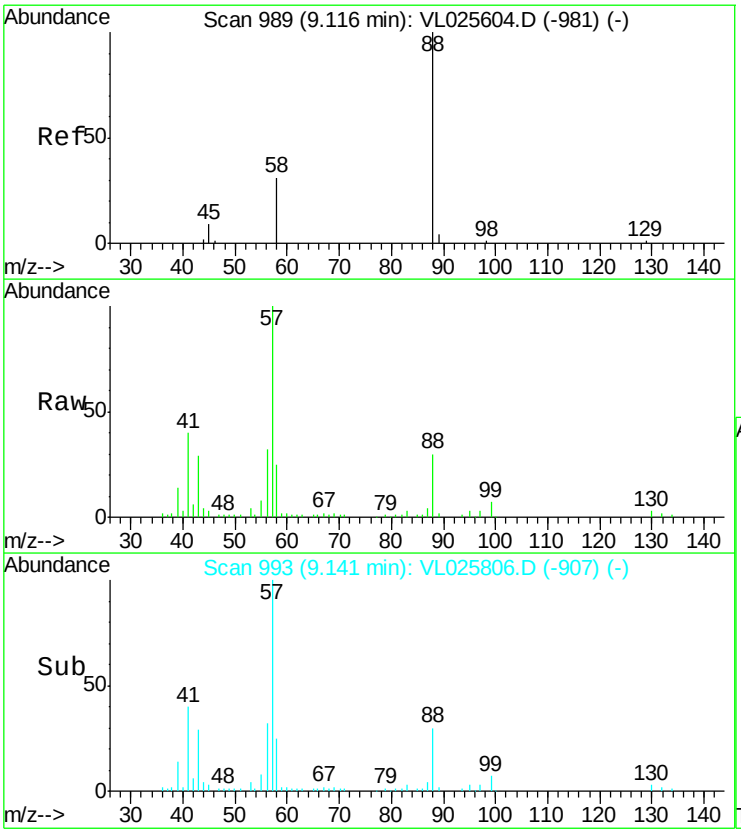
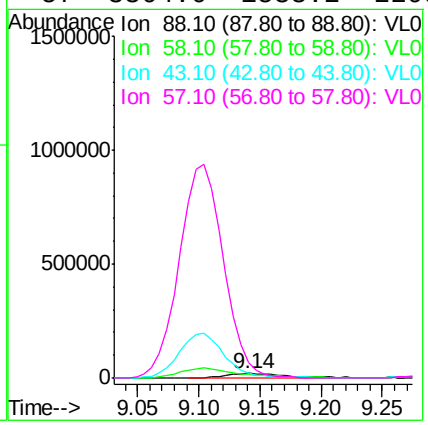
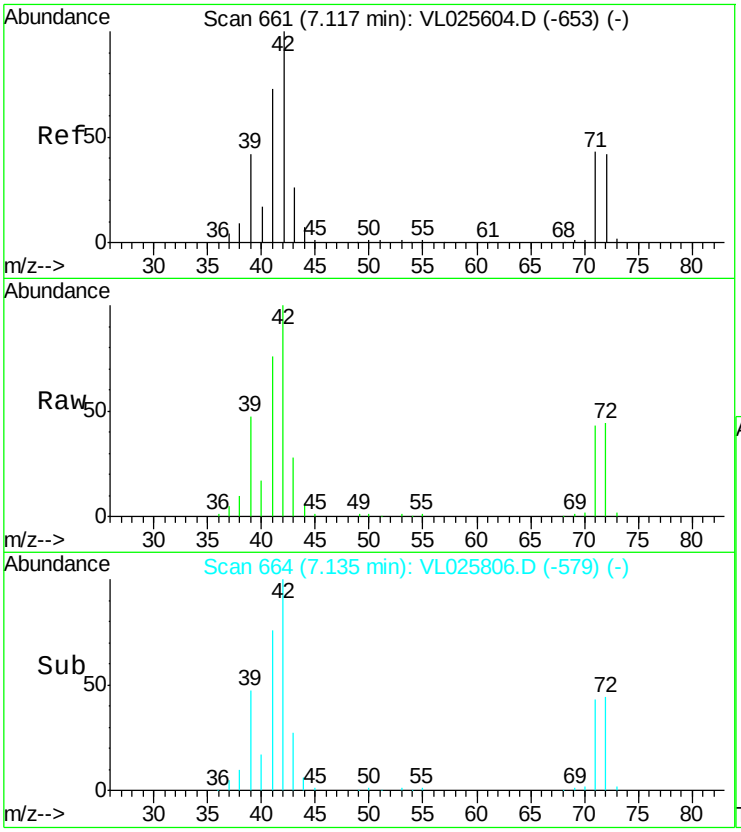


#40
1,4-Dioxane
Concen: 7.73 ppbv
RT: 9.14 min Scan# 993
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 88 Resp: 70273

Ion	Ratio	Lower	Upper
88	100		
58	222.6	127.1	190.7#
43	730.6	337.7	506.5#
57	3364.0	1533.2	2299.8#

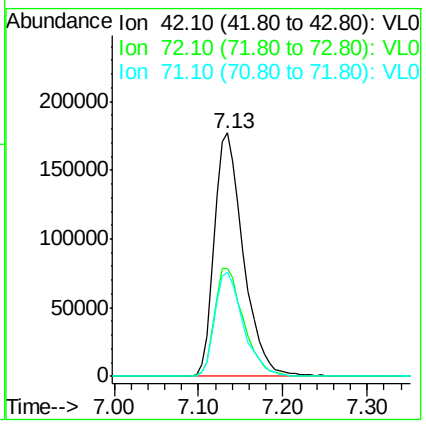




#41
Tetrahydrofuran
Concen: 9.08 ppbv
RT: 7.13 min Scan# 664
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 42 Resp: 421282

Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.0	51.0
71	42.0	33.0	49.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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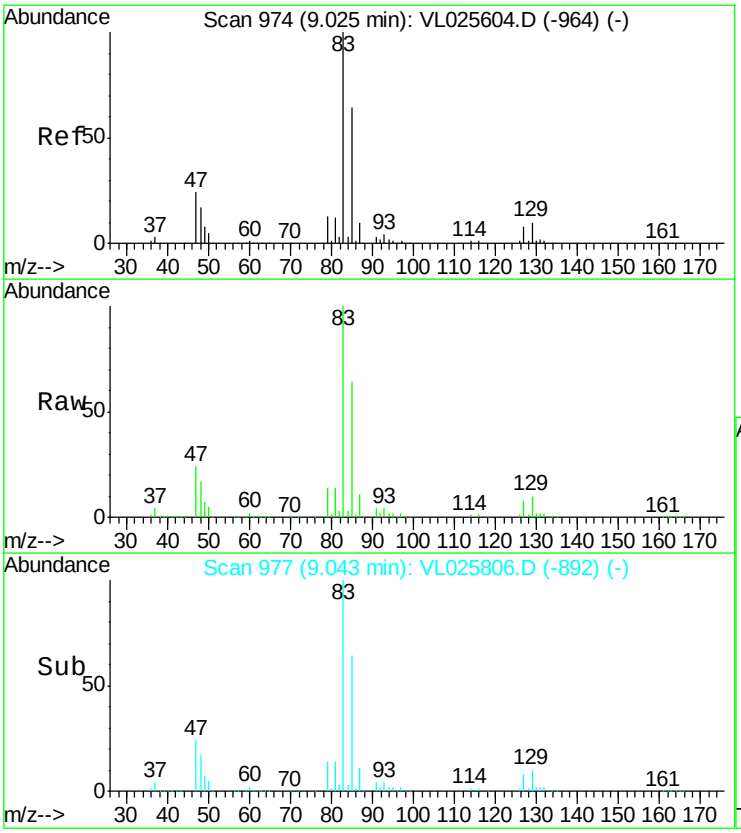
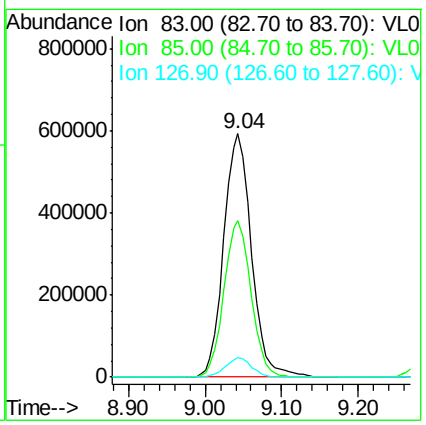
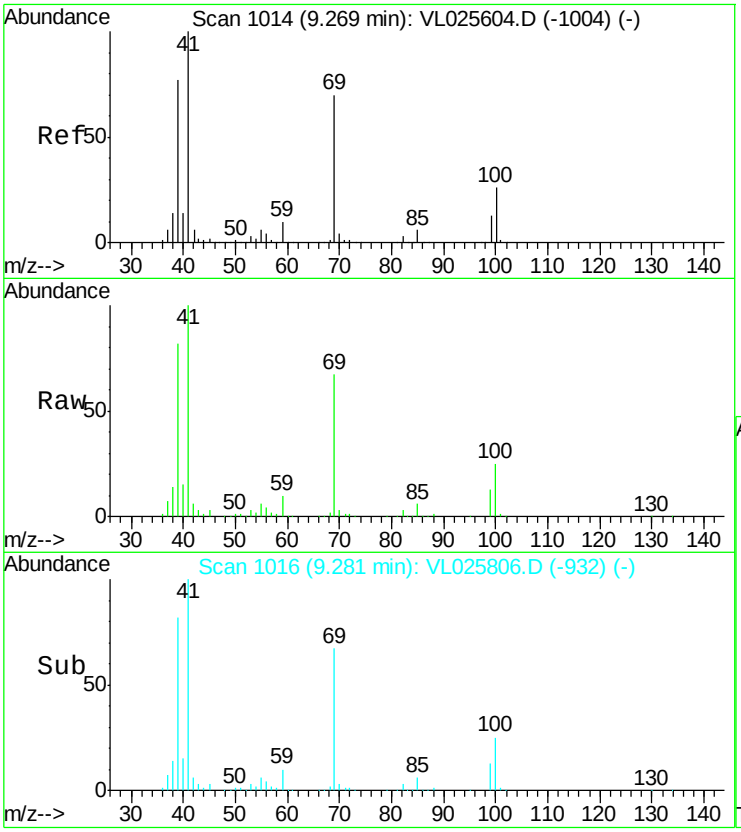


#42
Bromodichloromethane
Concen: 9.18 ppbv
RT: 9.04 min Scan# 977
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 83 Resp: 1483535

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.3	76.9
127	8.0	6.0	9.0

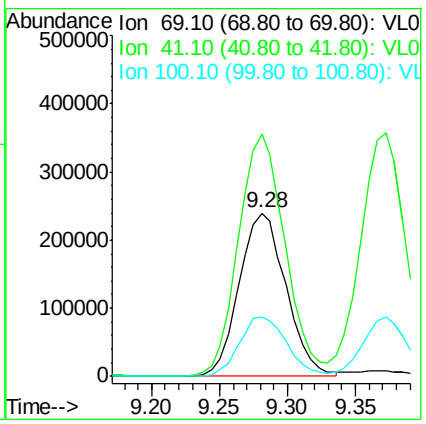




#43
Methyl Methacrylate
Concen: 9.58 ppbv
RT: 9.28 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 69 Resp: 576937

Ion	Ratio	Lower	Upper
69	100		
41	148.2	117.3	175.9
100	36.6	29.0	43.6



Instrument :
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ClientSampleId :
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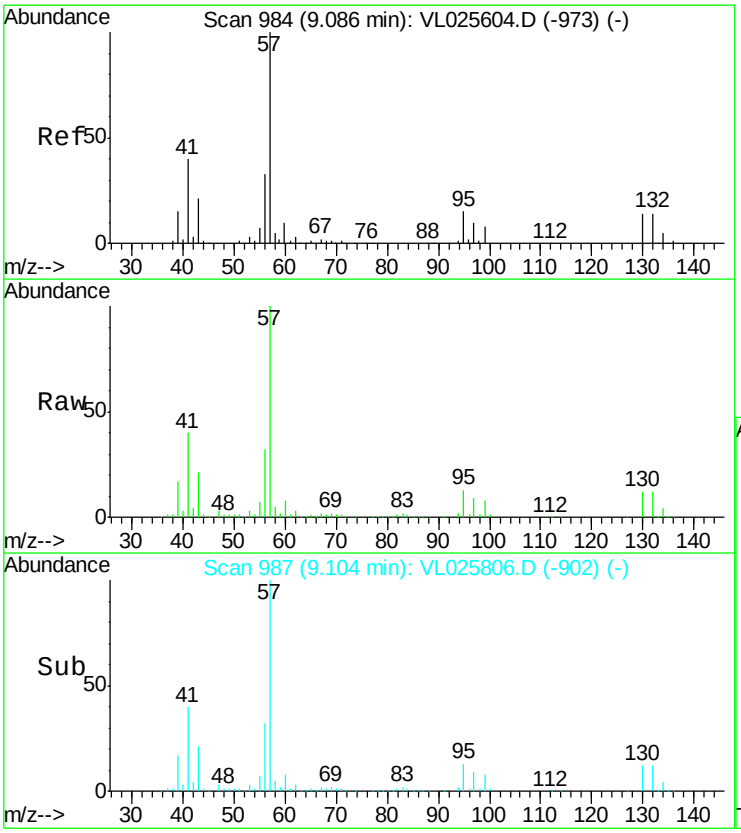
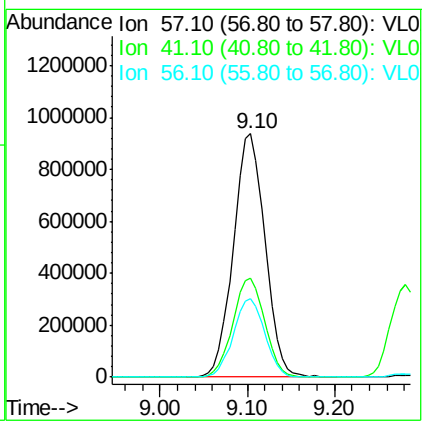
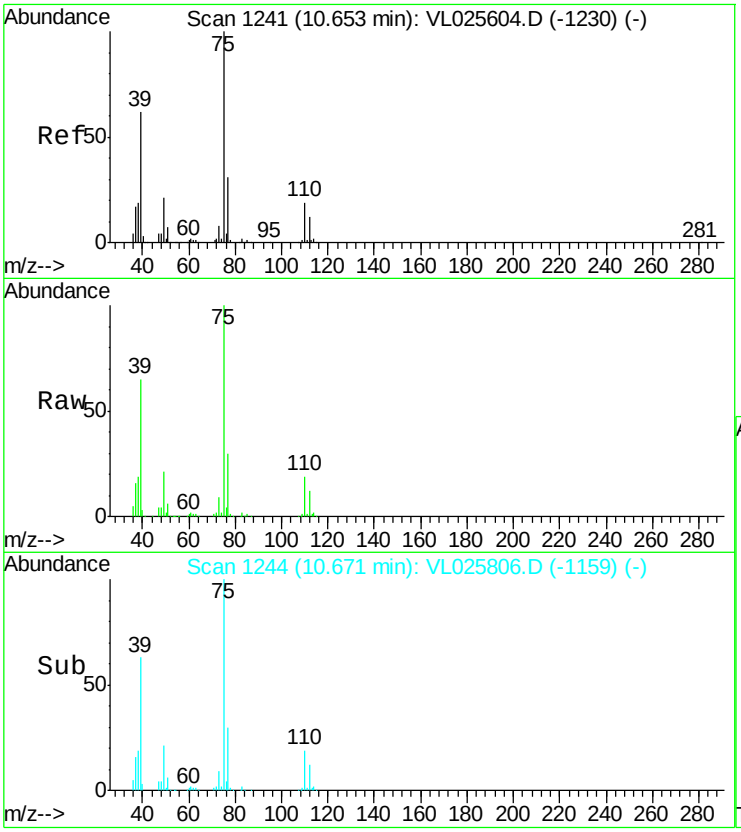


#44
2,2,4-Trimethylpentane
Concen: 8.77 ppbv
RT: 9.10 min Scan# 987
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 57 Resp: 2360576

Ion	Ratio	Lower	Upper
57	100		
41	41.0	31.2	46.8
56	32.1	25.4	38.2

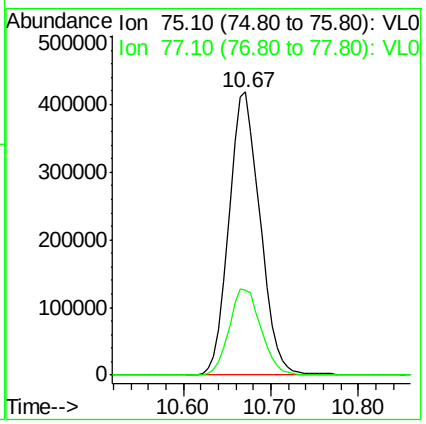




#45
t-1,3-Dichloropropene
Concen: 10.25 ppbv
RT: 10.67 min Scan# 1244
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 75 Resp: 1037766

Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.6	37.0



Instrument :
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ClientSampleId :
VSTDCCC010

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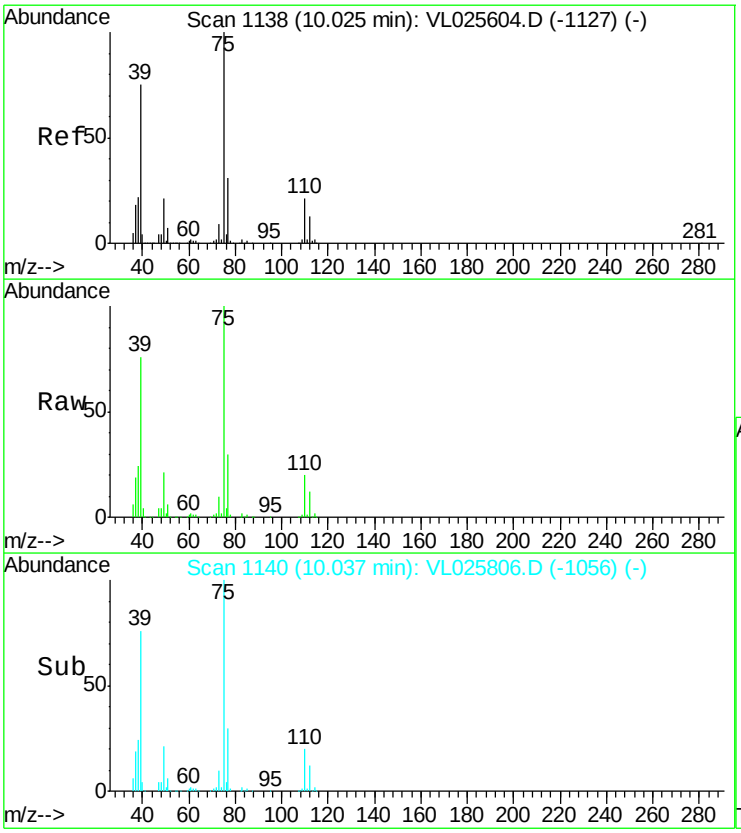
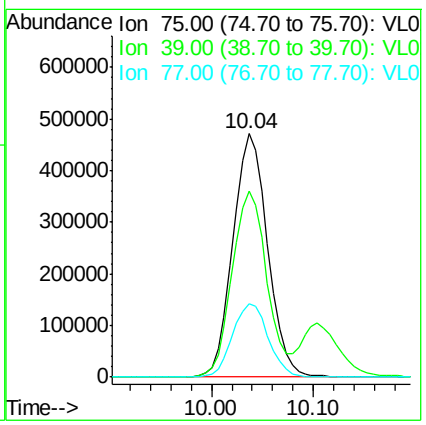
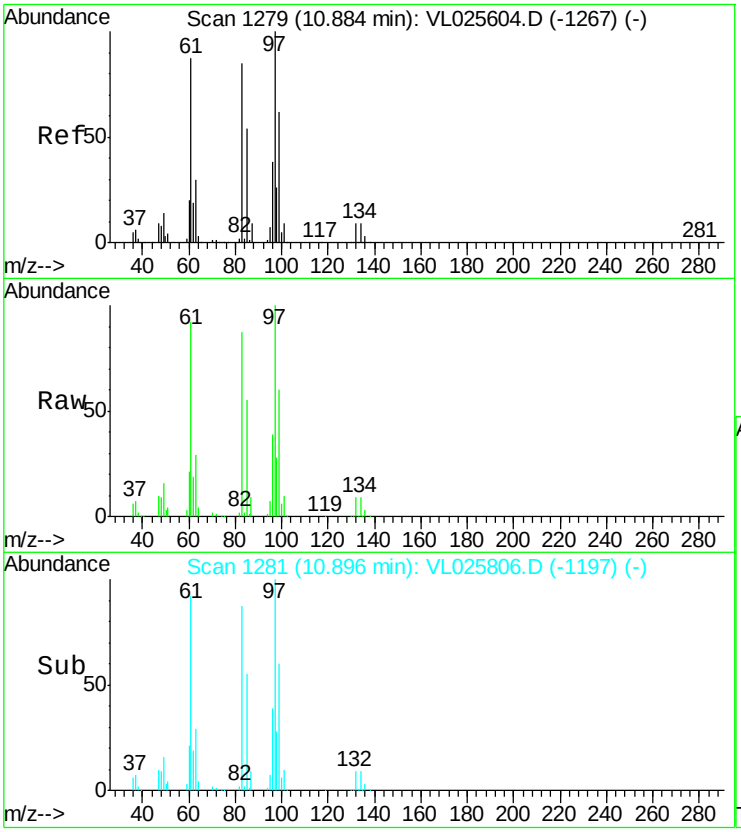


#46
cis-1,3-Dichloropropene
Concen: 9.97 ppbv
RT: 10.04 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 75 Resp: 1115800

Ion	Ratio	Lower	Upper
75	100		
39	76.2	60.4	90.6
77	29.9	24.6	37.0

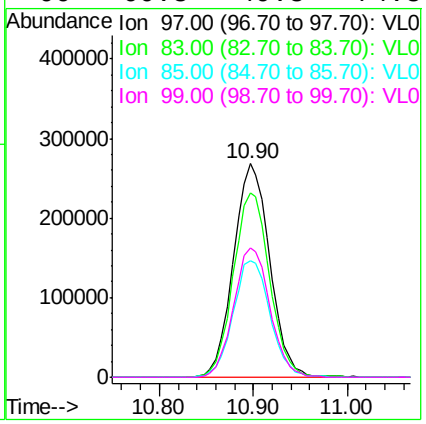




#47
1,1,2-Trichloroethane
Concen: 8.95 ppbv
RT: 10.90 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 97 Resp: 721917

Ion	Ratio	Lower	Upper
97	100		
83	86.6	67.8	101.8
85	54.6	43.5	65.3
99	60.3	49.8	74.8



Instrument :
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ClientSampleId :
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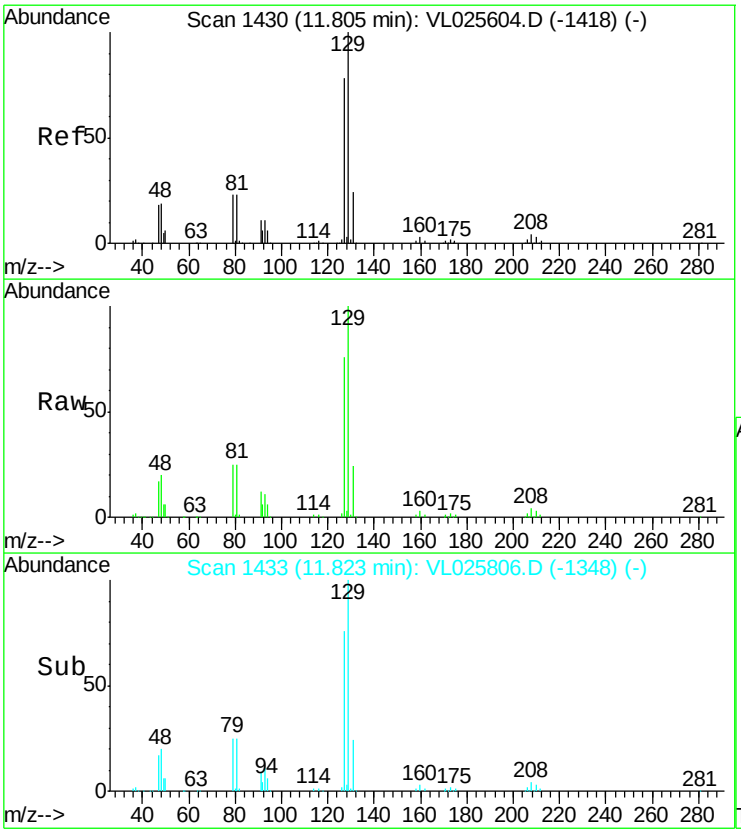
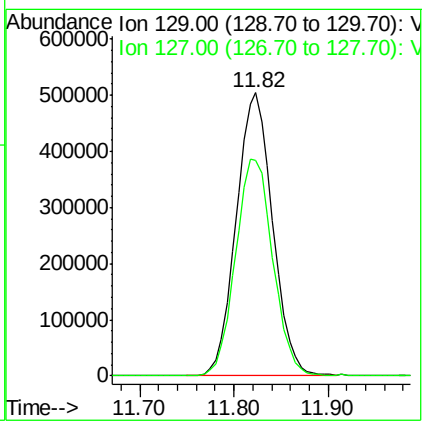
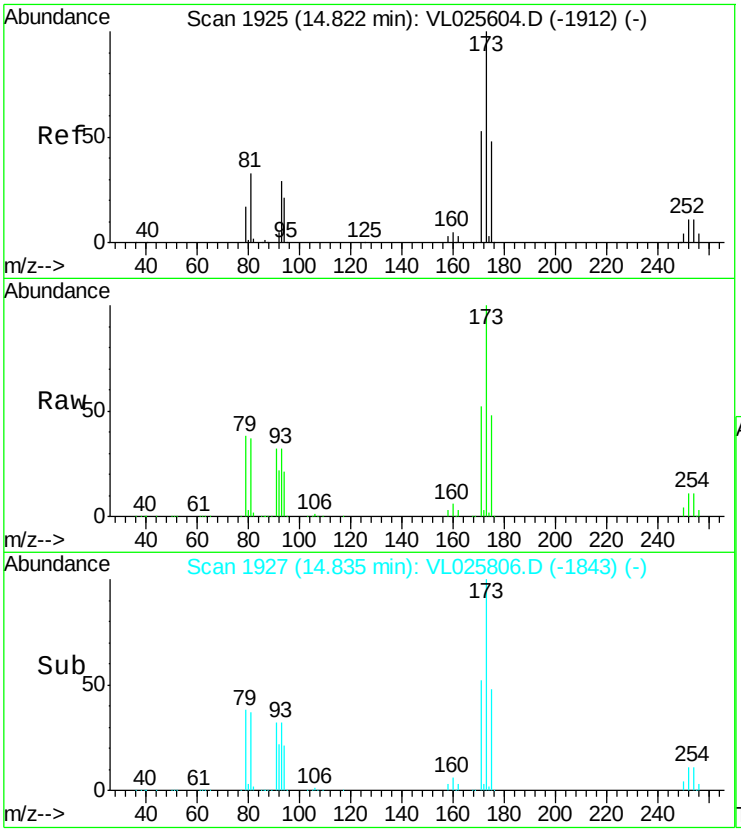


#48
Dibromochloromethane
Concen: 9.44 ppbv
RT: 11.82 min Scan# 1433
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:129 Resp: 1362372

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.0	116.9

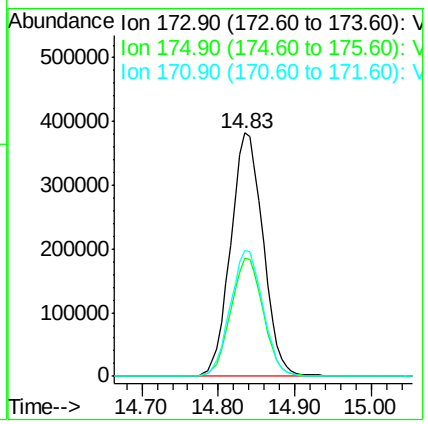




#49
Bromoform
Concen: 9.47 ppbv
RT: 14.83 min Scan# 1927
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:173 Resp: 1126222

Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.5	59.3
171	52.1	42.2	63.2



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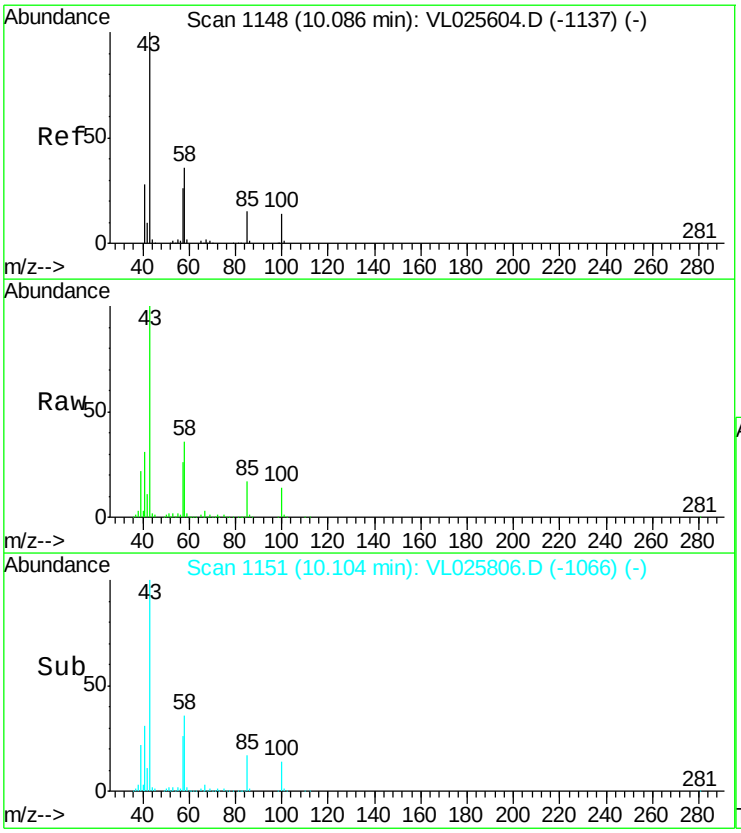
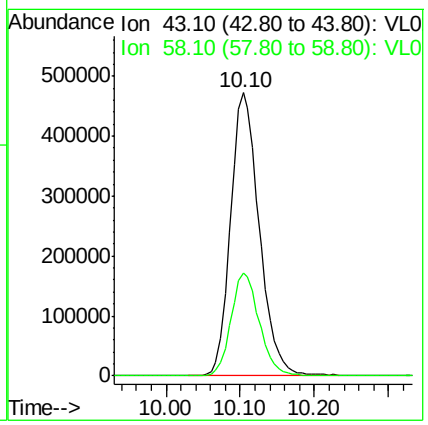
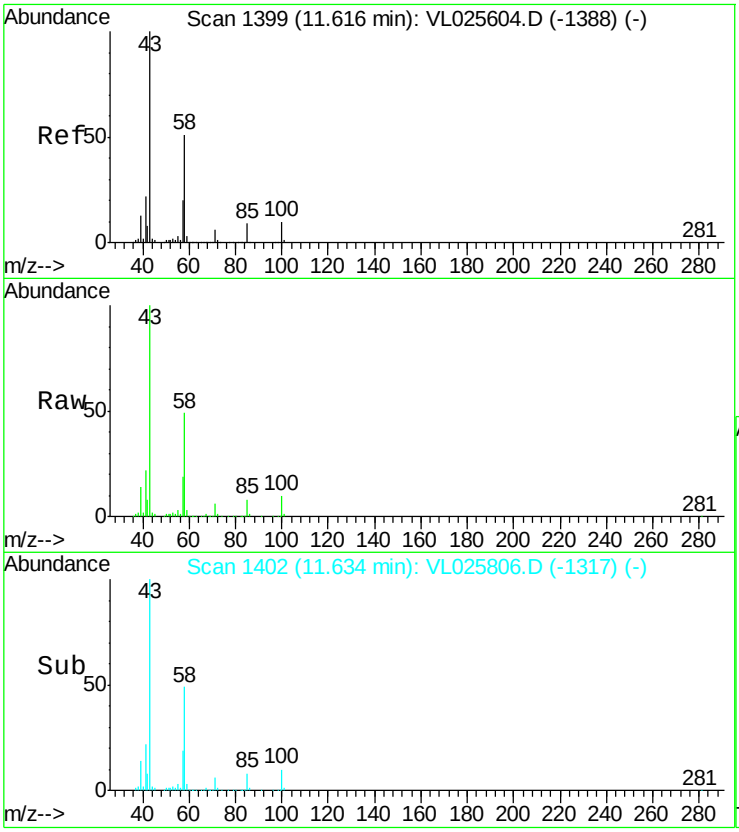


#50
4-Methyl-2-Pentanone
Concen: 9.52 ppbv
RT: 10.10 min Scan# 1151
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 43 Resp: 1274759

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.5	42.7





#51
2-Hexanone
Concen: 10.25 ppbv
RT: 11.63 min Scan# 1402
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 43 Resp: 1231512

Ion	Ratio	Lower	Upper
43	100		
58	47.8	39.0	58.6
98	0.4	0.2	0.4#

Instrument :
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ClientSampleId :
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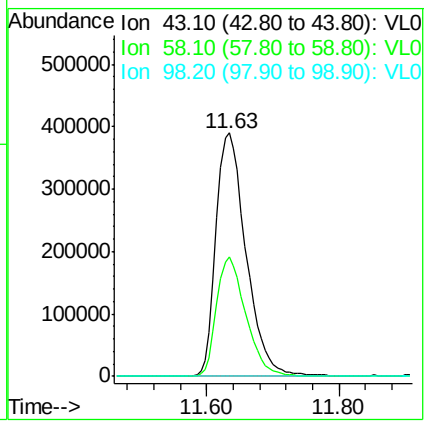
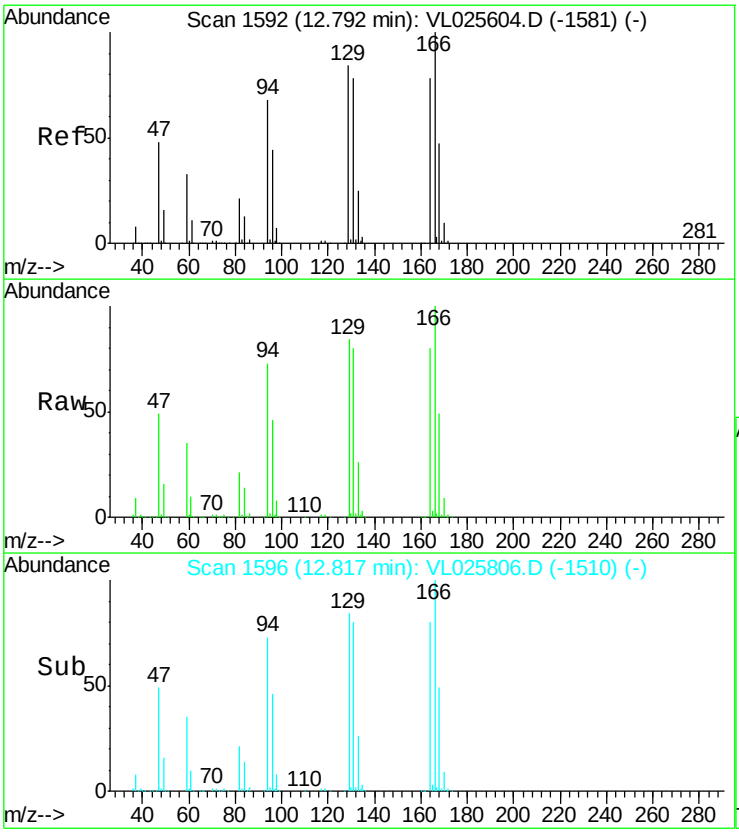
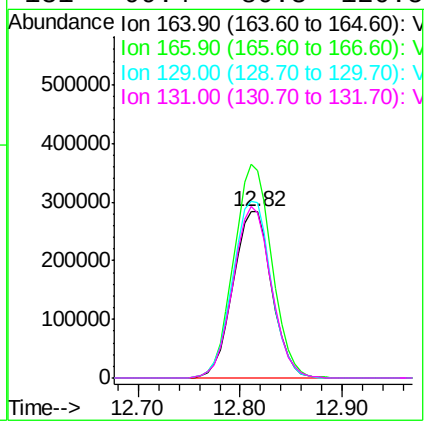


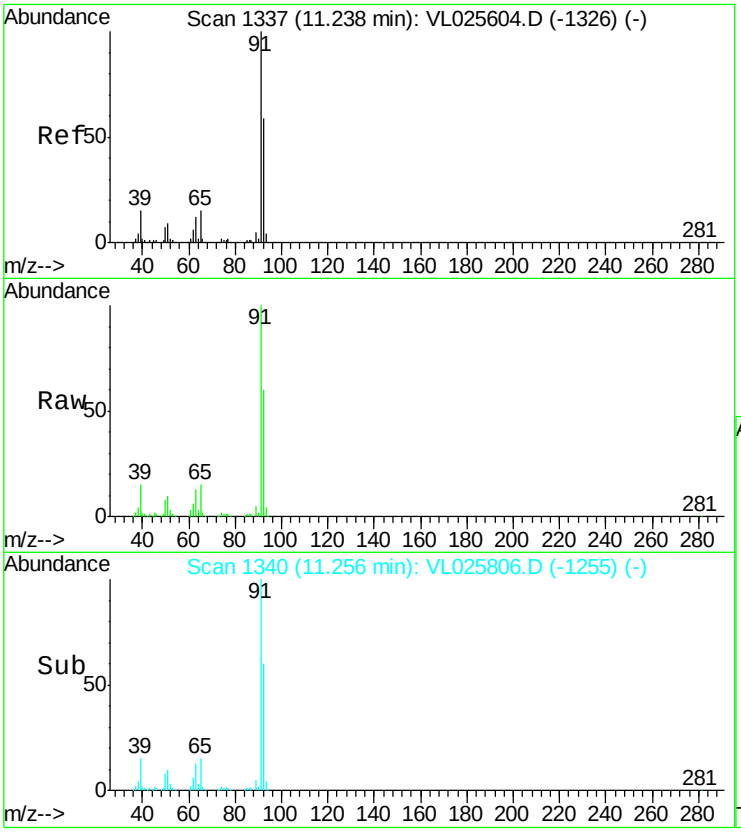


#52
Tetrachloroethene
Concen: 9.49 ppbv
RT: 12.82 min Scan# 1596
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:164 Resp: 746475

Ion	Ratio	Lower	Upper
164	100		
166	124.9	102.3	153.5
129	105.2	86.2	129.4
131	99.4	80.3	120.5

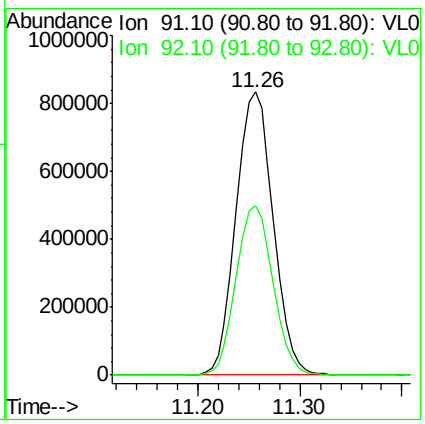




#53
Toluene
Concen: 9.61 ppbv
RT: 11.26 min Scan# 1340
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 91 Resp: 2118154

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.2	72.2



Instrument :
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ClientSampleId :
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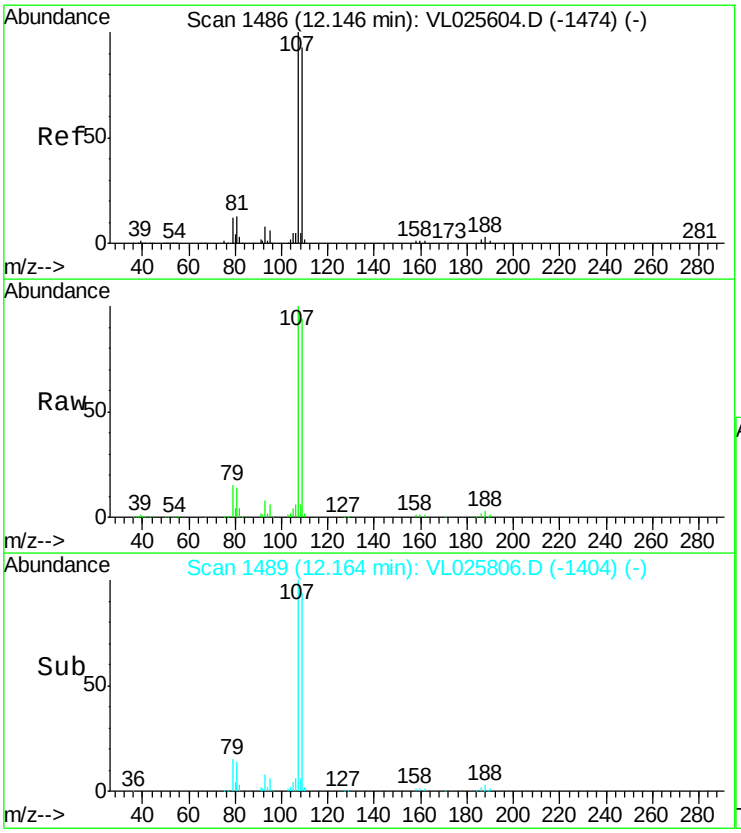
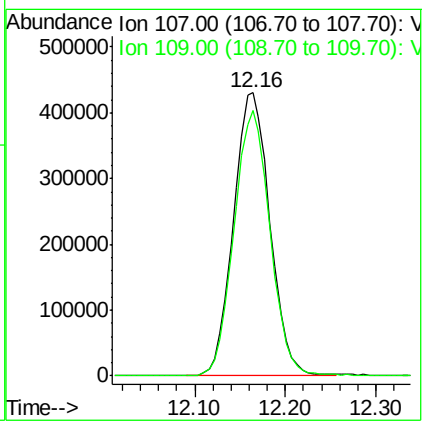
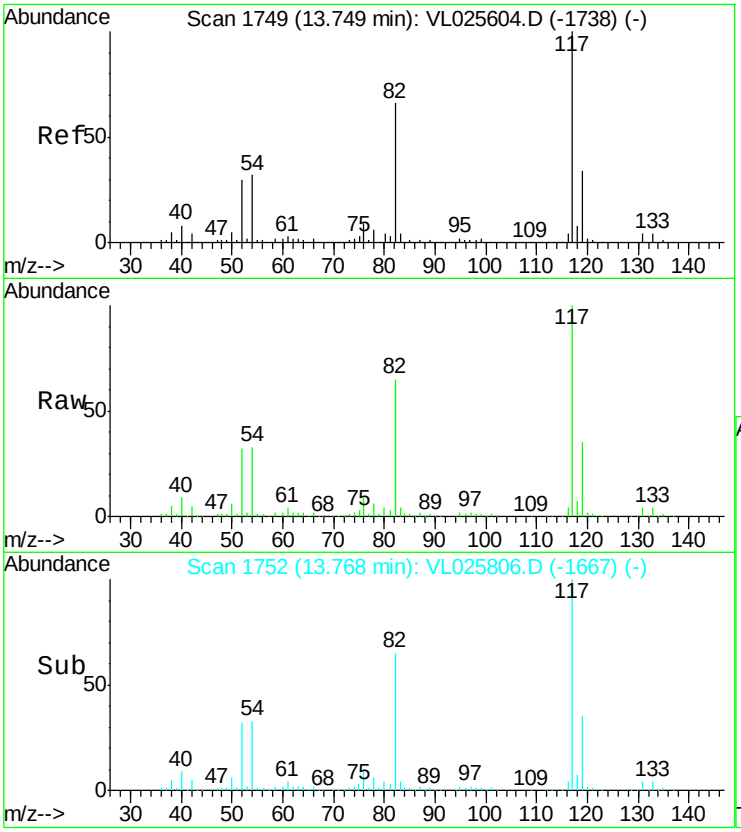


#54
1,2-Dibromoethane
Concen: 9.16 ppbv
RT: 12.16 min Scan# 1489
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:107 Resp: 1195026

Ion	Ratio	Lower	Upper
107	100		
109	93.8	74.1	111.1

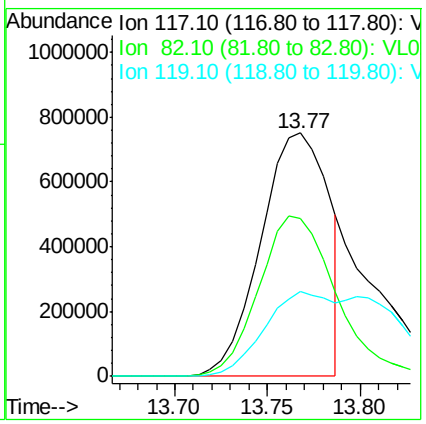




#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.77 min Scan# 1752
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:117 Resp: 1906987

Ion	Ratio	Lower	Upper
117	100		
82	76.2	50.5	75.7#
119	65.6	45.1	67.7



Instrument :
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ClientSampleId :
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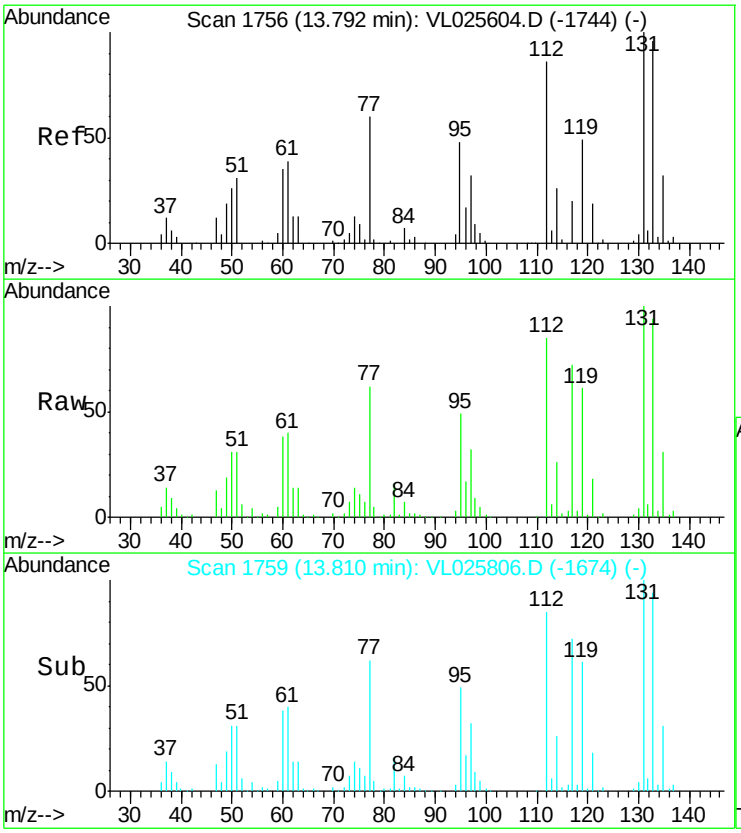
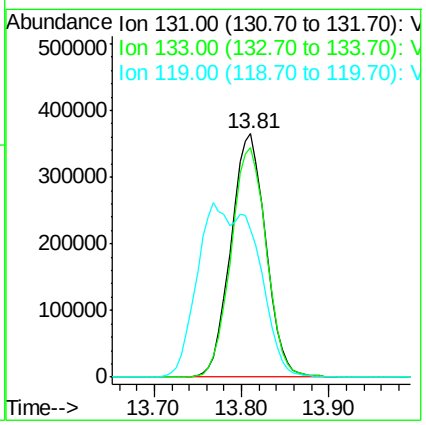
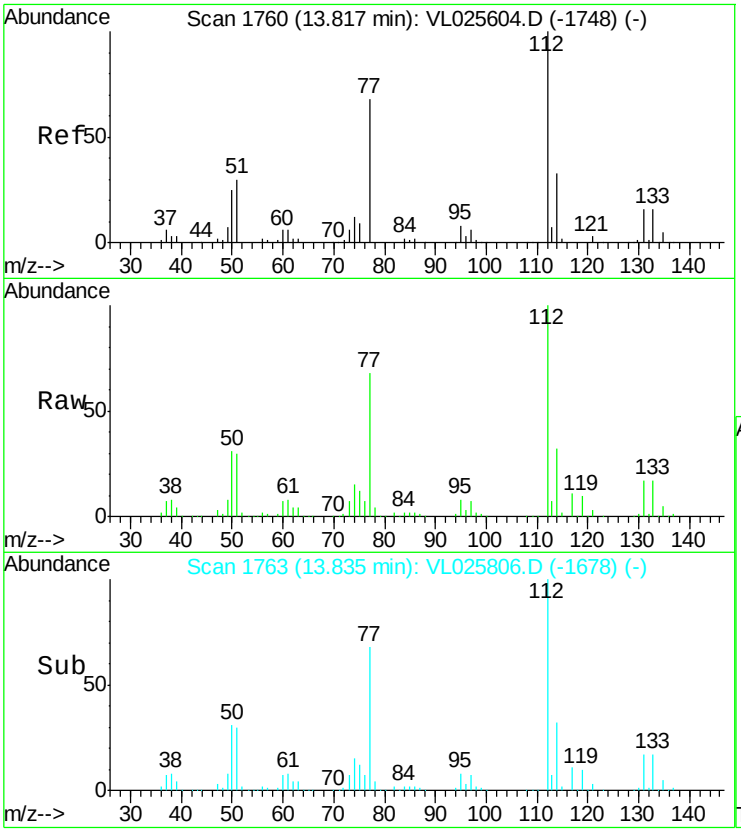


#56
1,1,1,2-Tetrachloroethane
Concen: 9.83 ppbv
RT: 13.81 min Scan# 1759
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:131 Resp: 1013655

Ion	Ratio	Lower	Upper
131	100		
133	95.7	76.9	115.3
119	123.4	97.8	146.8

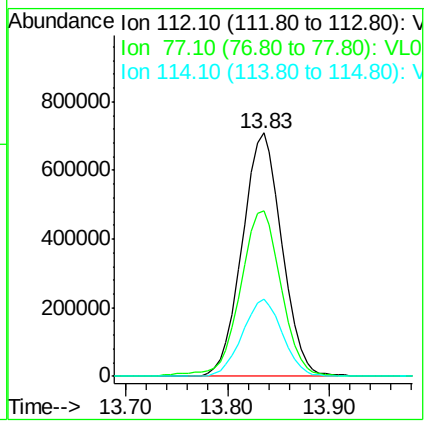




#57
Chlorobenzene
Concen: 9.45 ppbv
RT: 13.83 min Scan# 1763
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:112 Resp: 1917920

Ion	Ratio	Lower	Upper
112	100		
77	67.8	55.2	82.8
114	31.9	29.4	36.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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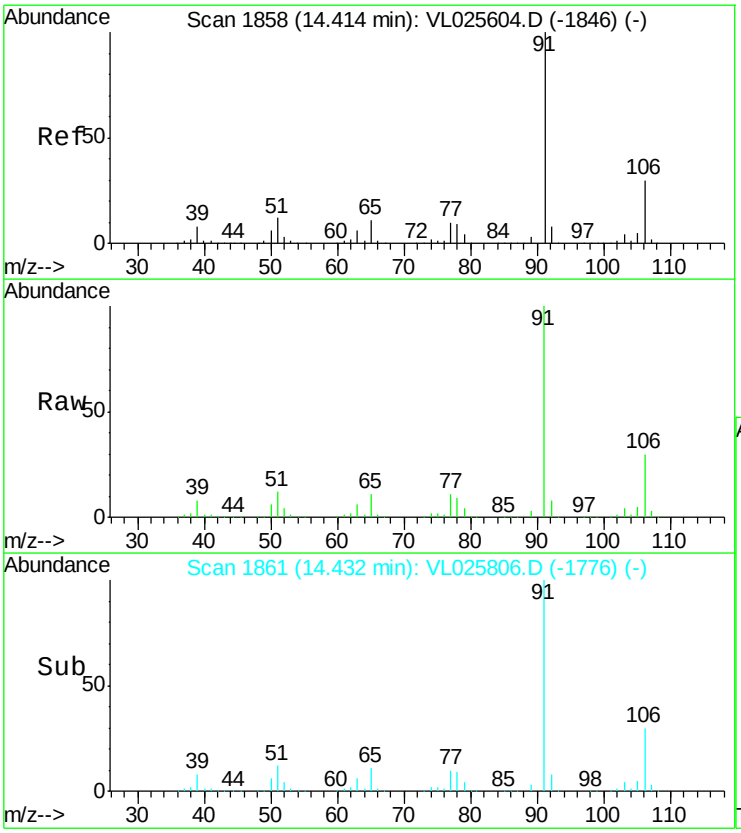
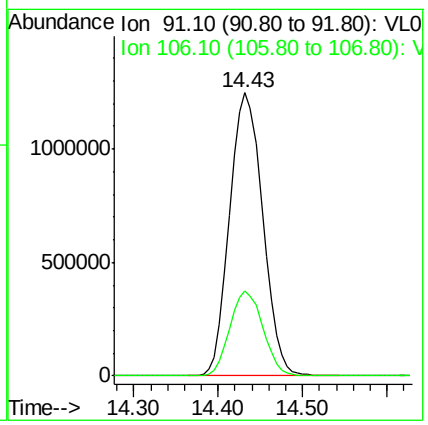
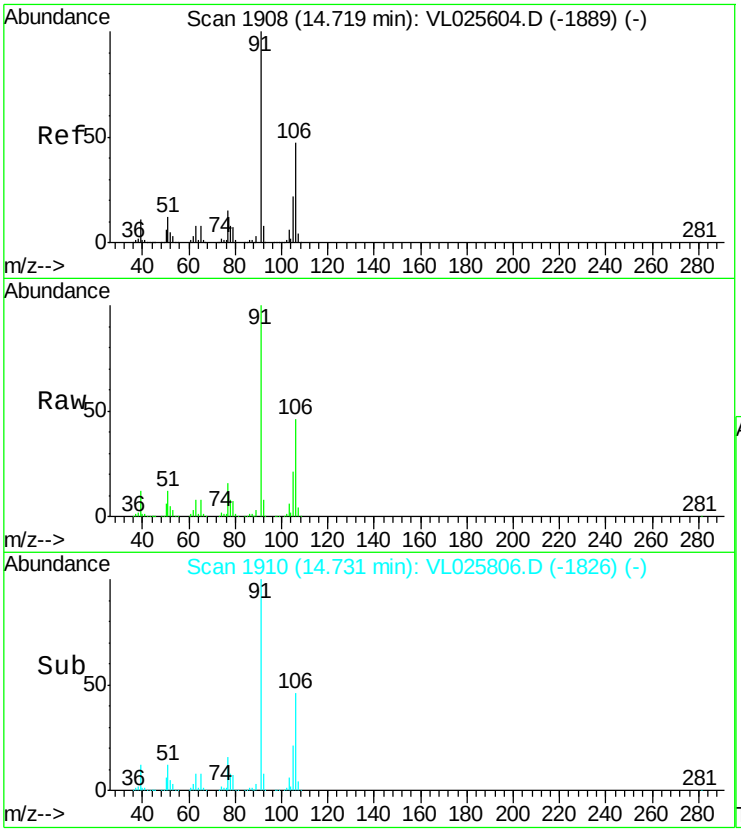


#58
Ethyl Benzene
Concen: 10.60 ppbv
RT: 14.43 min Scan# 1861
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 91 Resp: 3337901

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.2	36.2





#59
m/p-Xylene
Concen: 20.07 ppbv m
RT: 14.73 min Scan# 1910
Delta R.T. 0.01 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 91 Resp: 5554310

Ion	Ratio	Lower	Upper
91	100		
106	46.4	37.9	56.9

Instrument :
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ClientSampleId :
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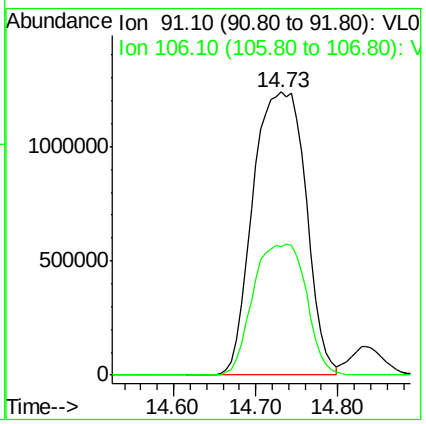
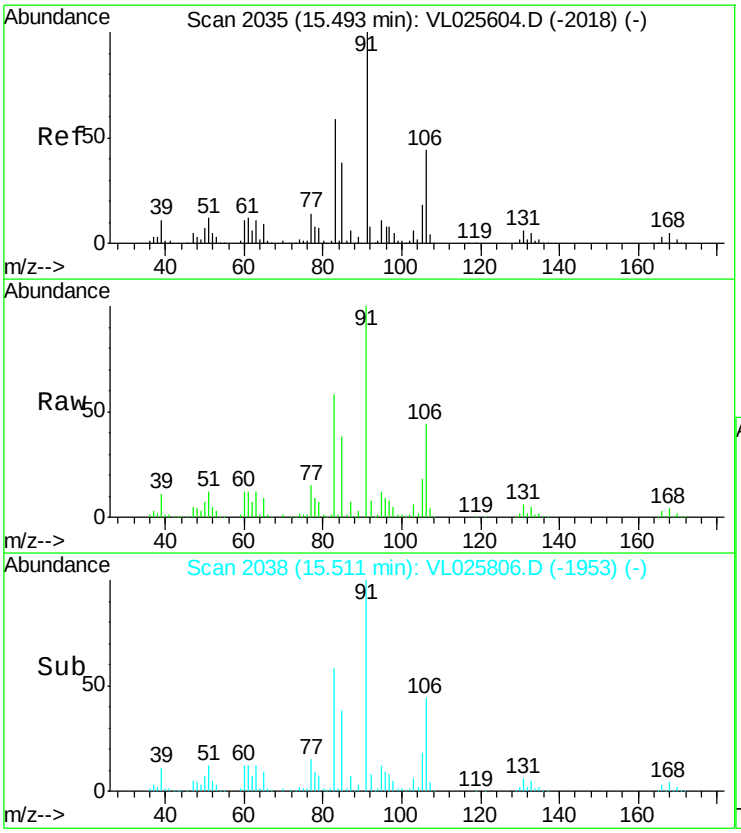
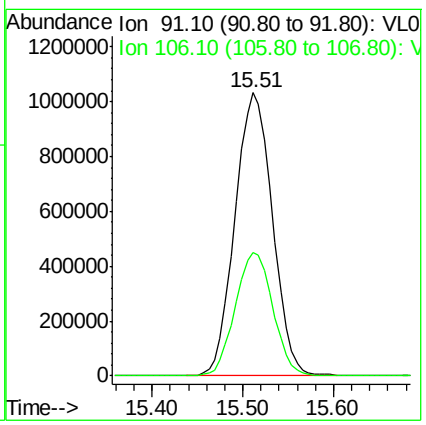


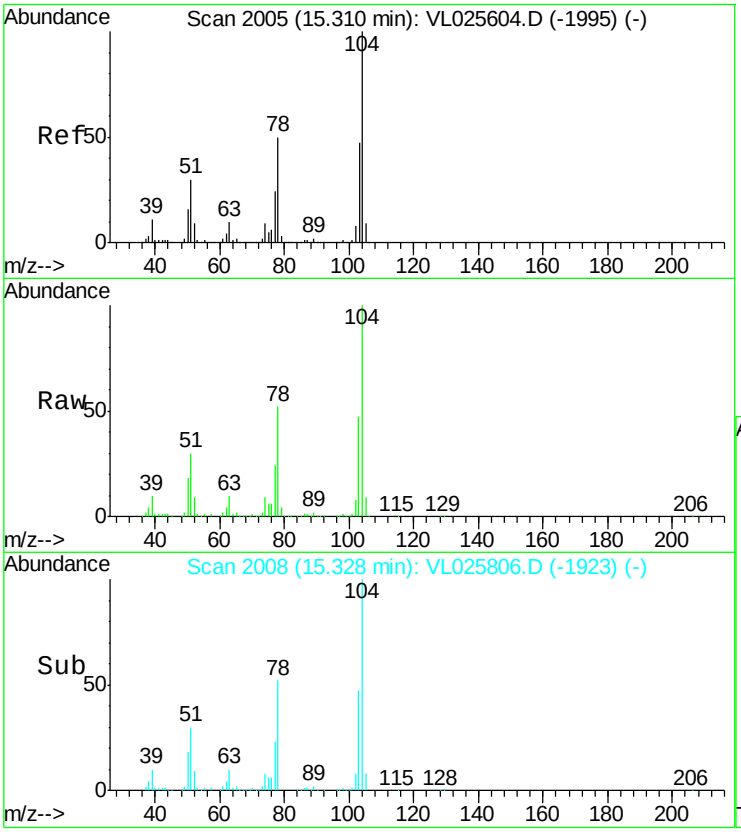


#60
o-Xylene
Concen: 9.92 ppbv
RT: 15.51 min Scan# 2038
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 91 Resp: 2956504

Ion	Ratio	Lower	Upper
91	100		
106	44.0	22.1	66.1

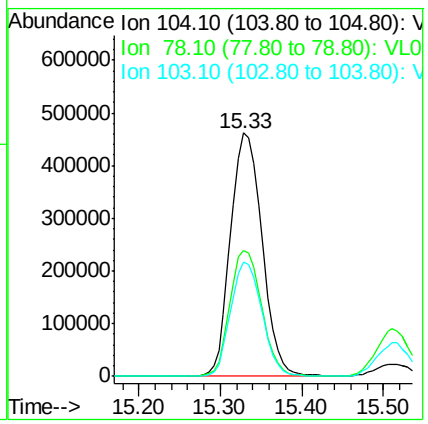




#61
Styrene
Concen: 11.89 ppbv
RT: 15.33 min Scan# 2008
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:104 Resp: 1241425

Ion	Ratio	Lower	Upper
104	100		
78	51.8	40.2	60.4
103	46.5	37.4	56.2



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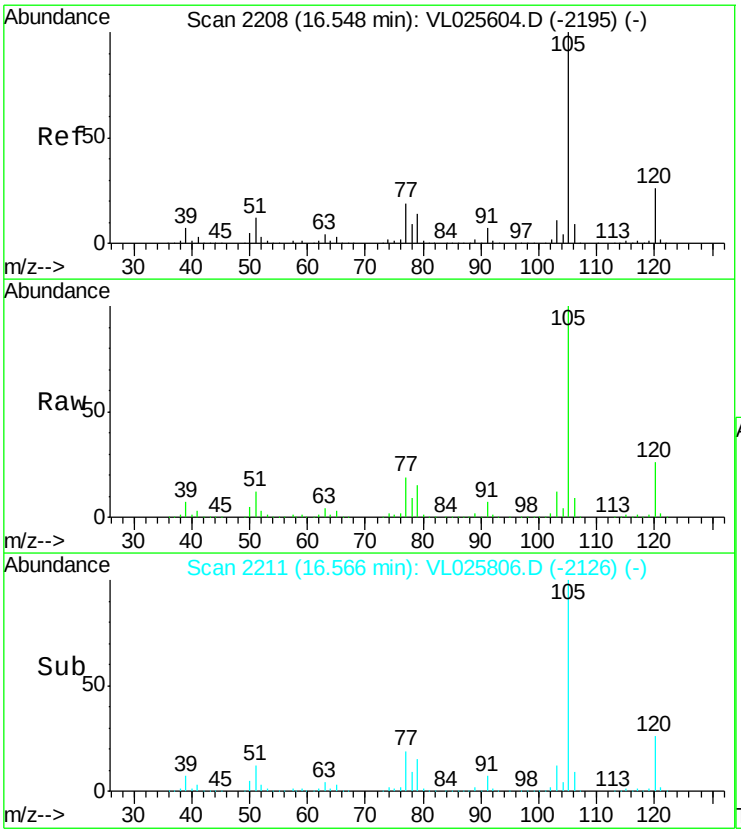
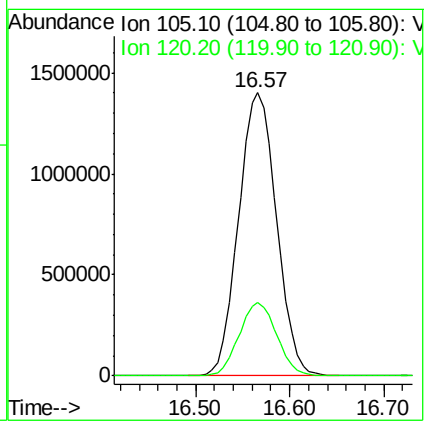
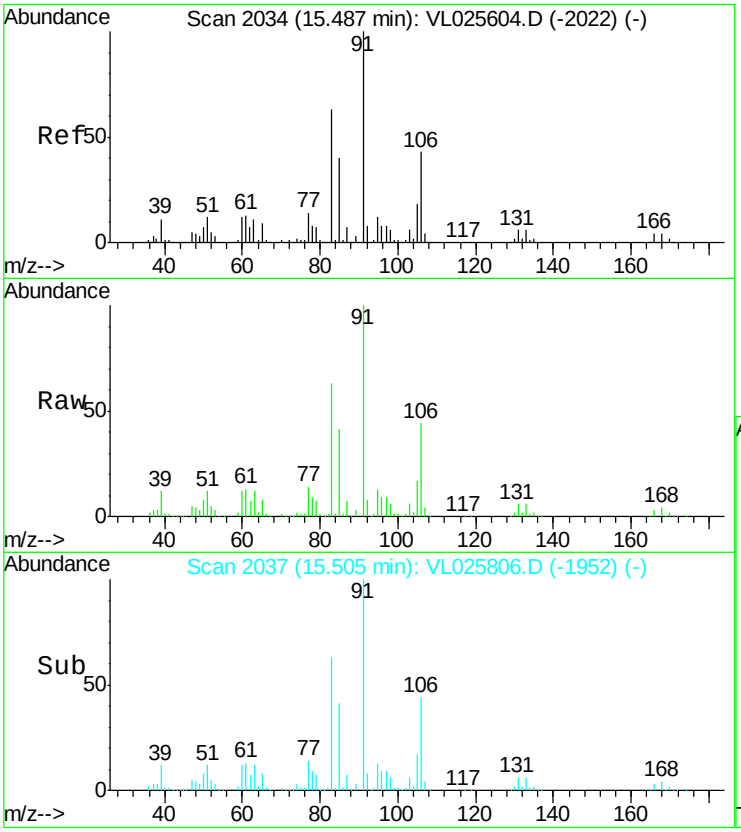


#62
Isopropylbenzene
Concen: 10.14 ppbv
RT: 16.57 min Scan# 2211
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:105 Resp: 3951105

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	31.0

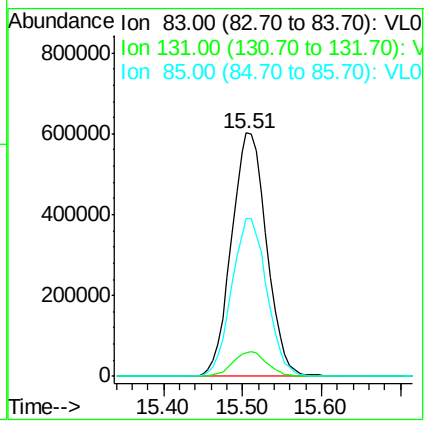




#63
1,1,2,2-Tetrachloroethane
Concen: 9.25 ppbv
RT: 15.51 min Scan# 2037
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 83 Resp: 1865102

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	65.0	32.4	97.2



Instrument :
MSVOA_L
ClientSampleId :
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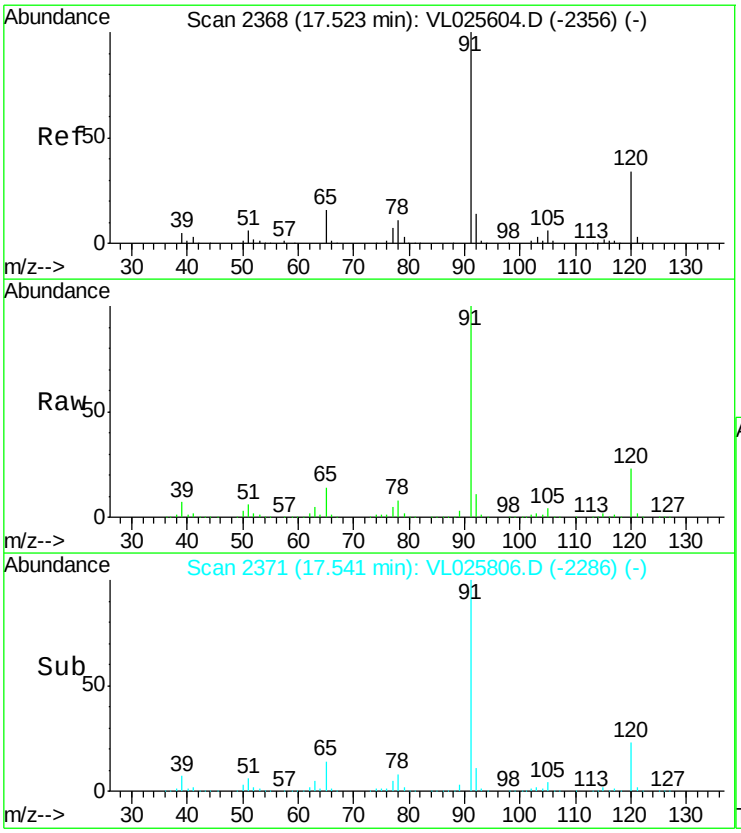
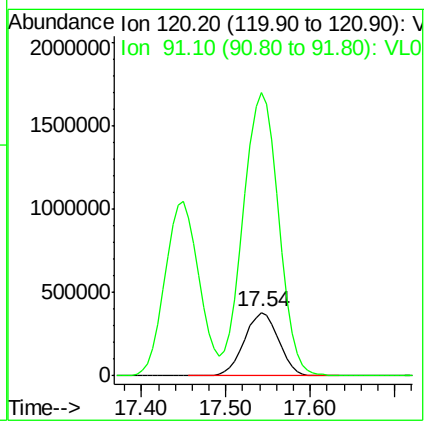
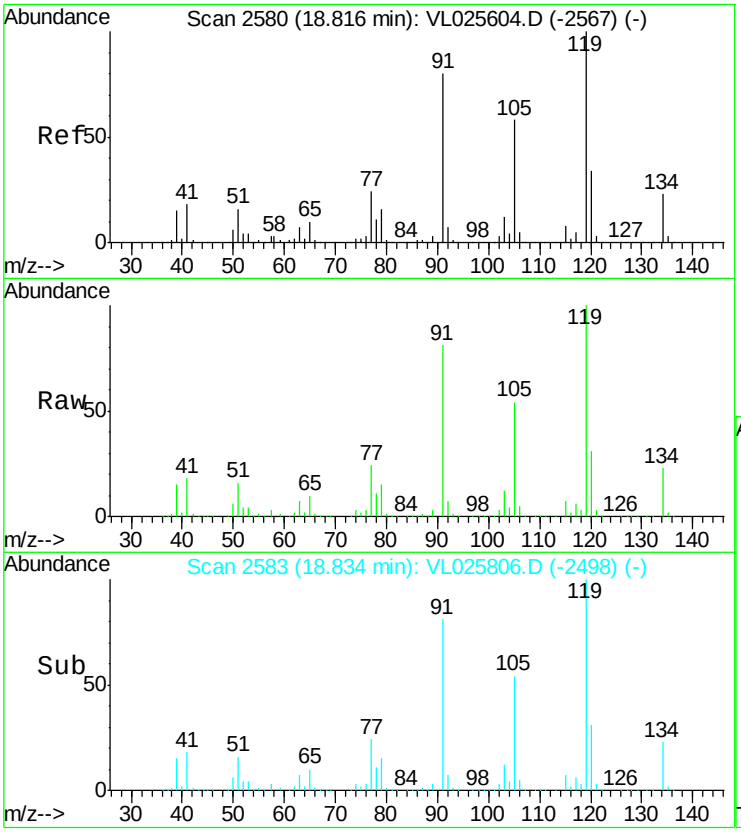


#64
n-propylbenzene
Concen: 10.00 ppbv
RT: 17.54 min Scan# 2371
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:120 Resp: 1052802

Ion	Ratio	Lower	Upper
120	100		
91	466.3	370.5	555.7

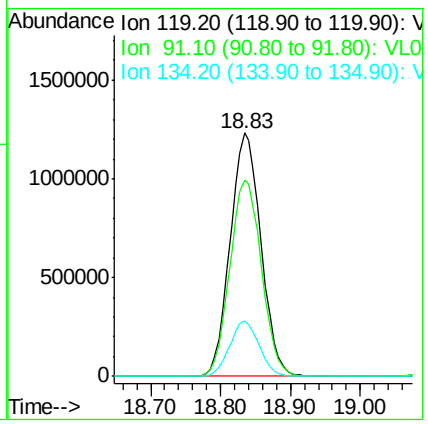




#65
tert-Butylbenzene
Concen: 9.82 ppbv
RT: 18.83 min Scan# 2583
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:119 Resp: 3756272

Ion	Ratio	Lower	Upper
119	100		
91	82.8	64.5	96.7
134	21.8	17.4	26.0



Instrument :
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ClientSampleId :
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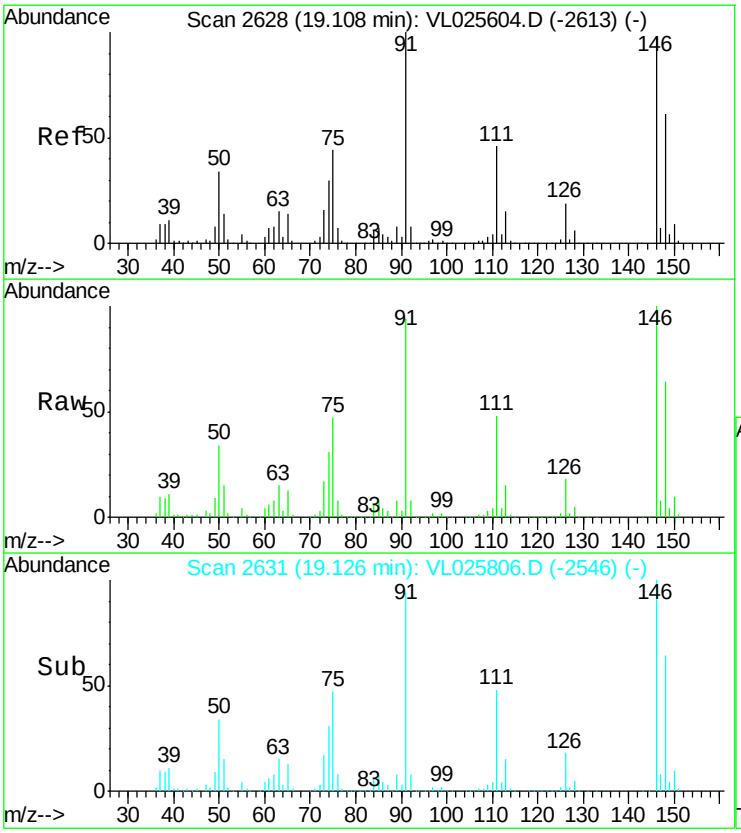
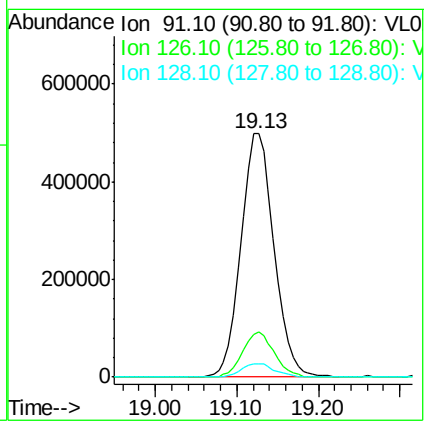
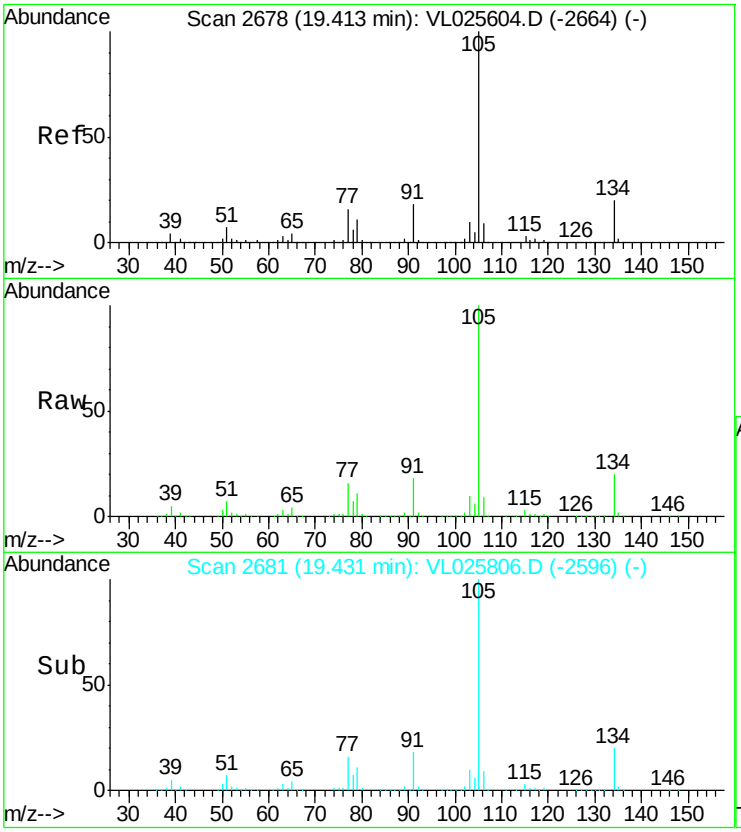


#66
Benzyl Chloride
Concen: 10.00 ppbv
RT: 19.13 min Scan# 2631
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 91 Resp: 1402551

Ion	Ratio	Lower	Upper
91	100		
126	17.9	14.5	21.7
128	5.6	4.6	7.0

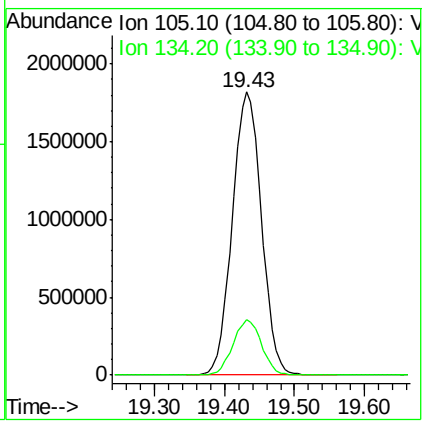




#67
sec-Butylbenzene
Concen: 9.79 ppbv
RT: 19.43 min Scan# 2681
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:105 Resp: 5248170

Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.4	23.2



Instrument :
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ClientSampleId :
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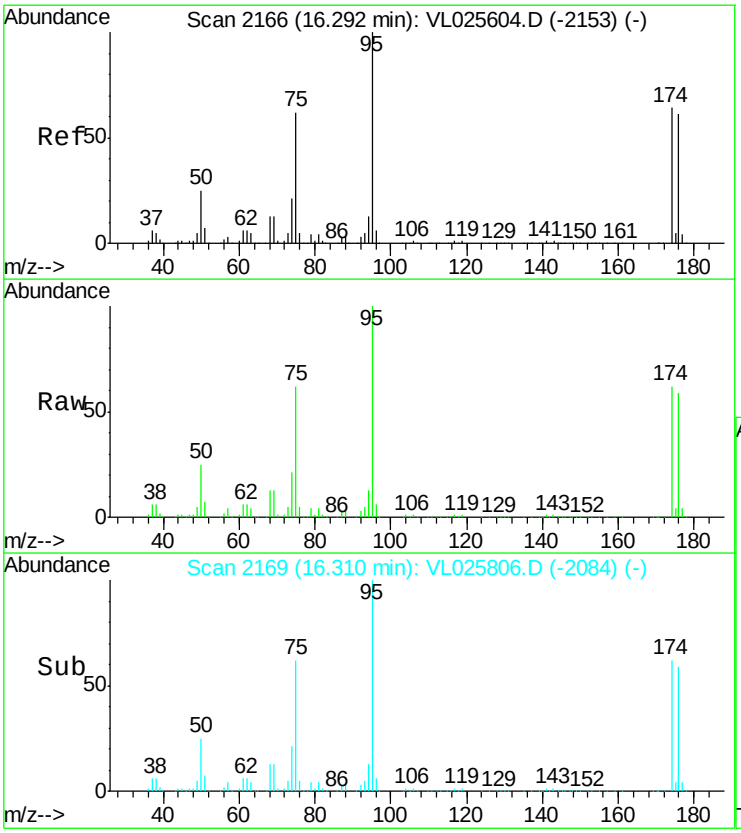
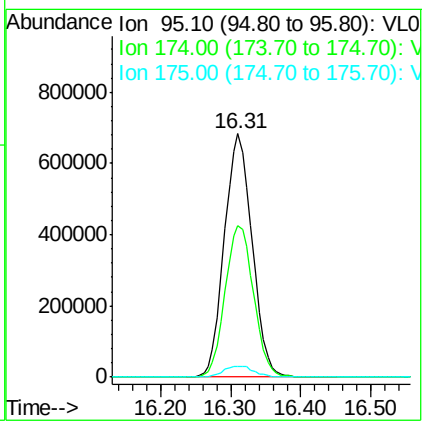
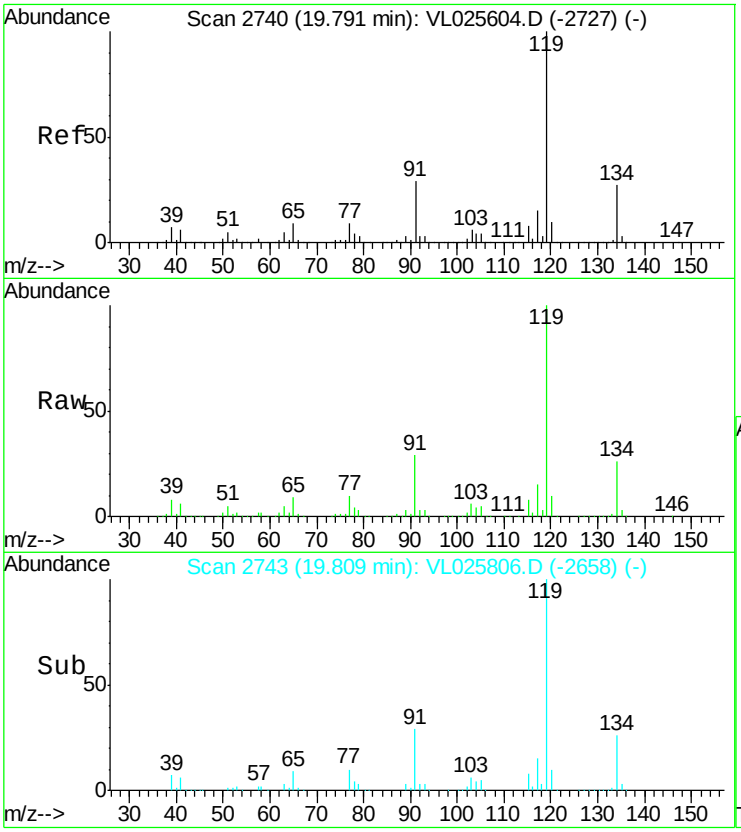


#68
1-Bromo-4-Fluorobenzene
Concen: 11.75 ppbv
RT: 16.31 min Scan# 2169
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 95 Resp: 1890241

Ion	Ratio	Lower	Upper
95	100		
174	63.8	52.0	78.0
175	4.9	3.9	5.9

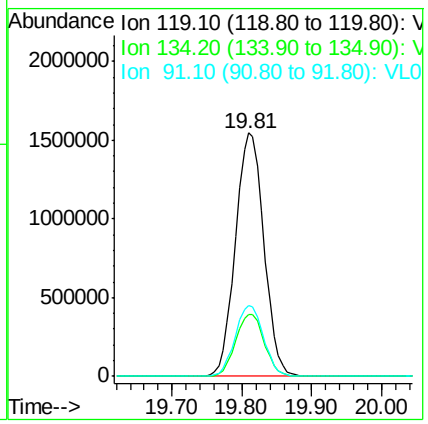




#69
p-Isopropyltoluene
Concen: 9.87 ppbv
RT: 19.81 min Scan# 2743
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:119 Resp: 4358339

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.7	31.1
91	28.9	22.6	34.0



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ClientSampleId :
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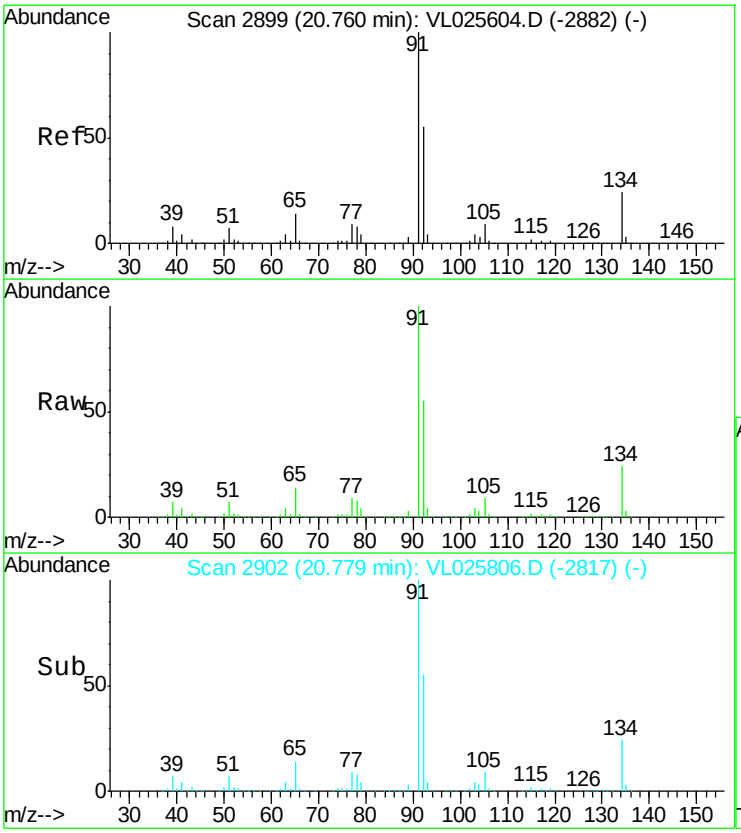
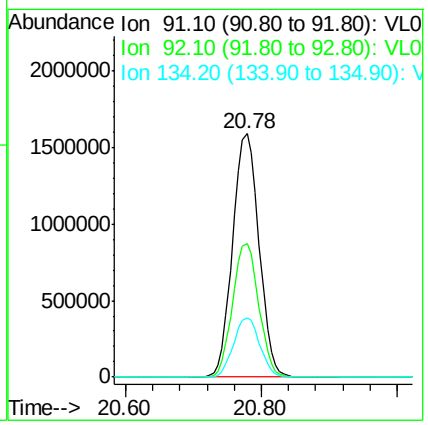
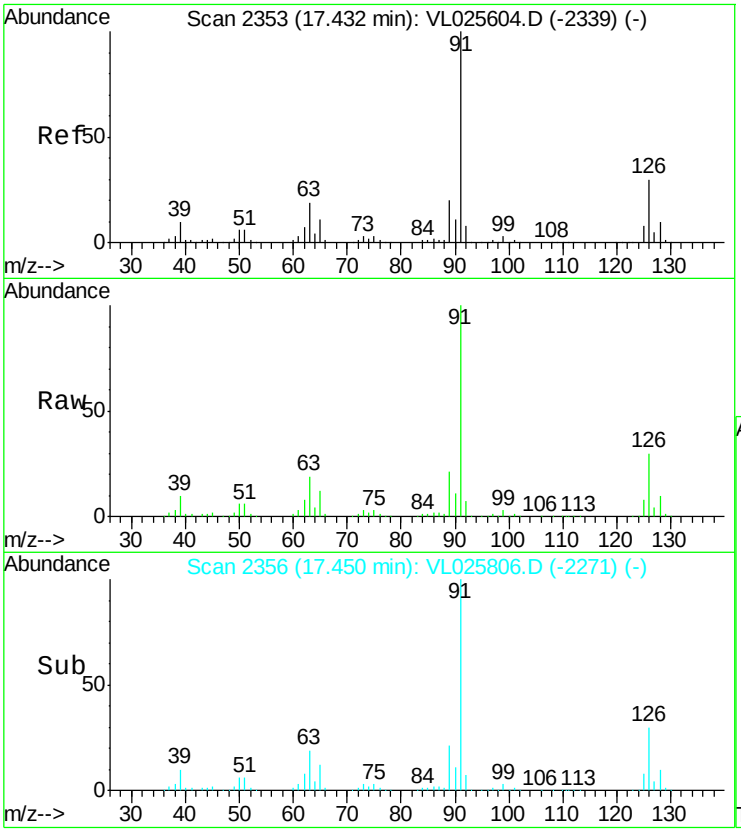


#70
n-Butylbenzene
Concen: 9.55 ppbv
RT: 20.78 min Scan# 2902
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 91 Resp: 4279163

Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.3	66.5
134	24.2	19.4	29.2

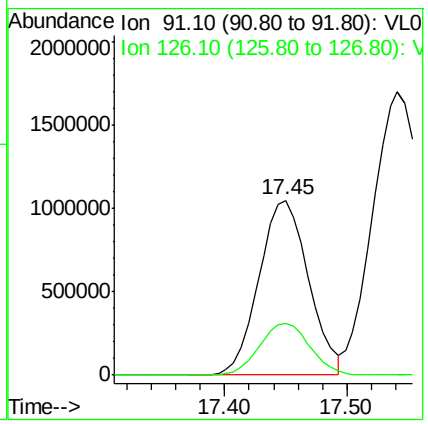




#71
2-Chlorotoluene
Concen: 10.41 ppbv
RT: 17.45 min Scan# 2356
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion: 91 Resp: 2974548

Ion	Ratio	Lower	Upper
91	100		
126	30.3	12.2	49.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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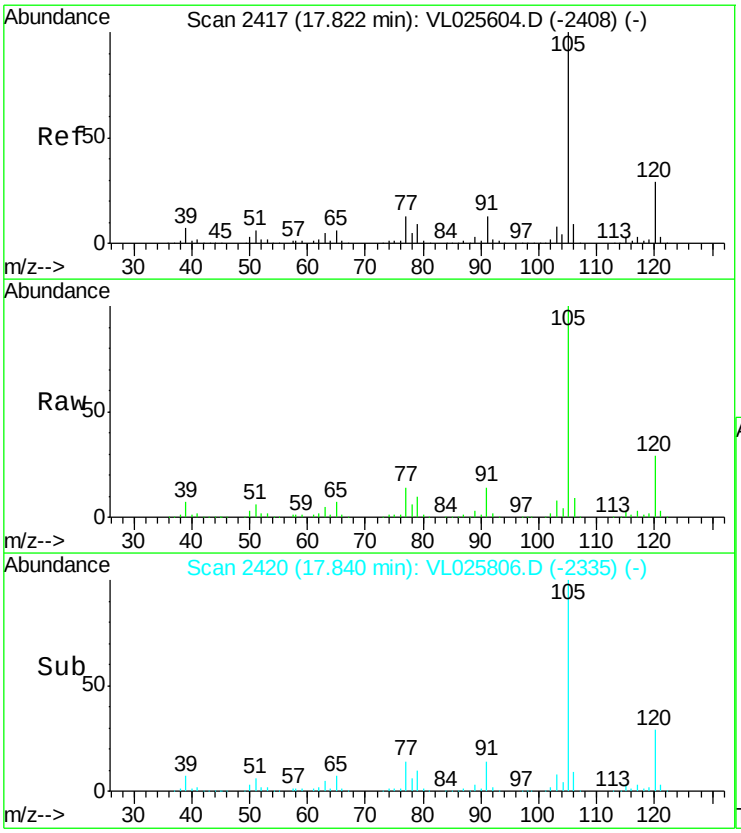
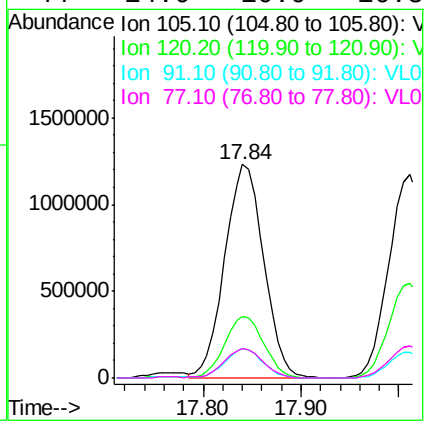
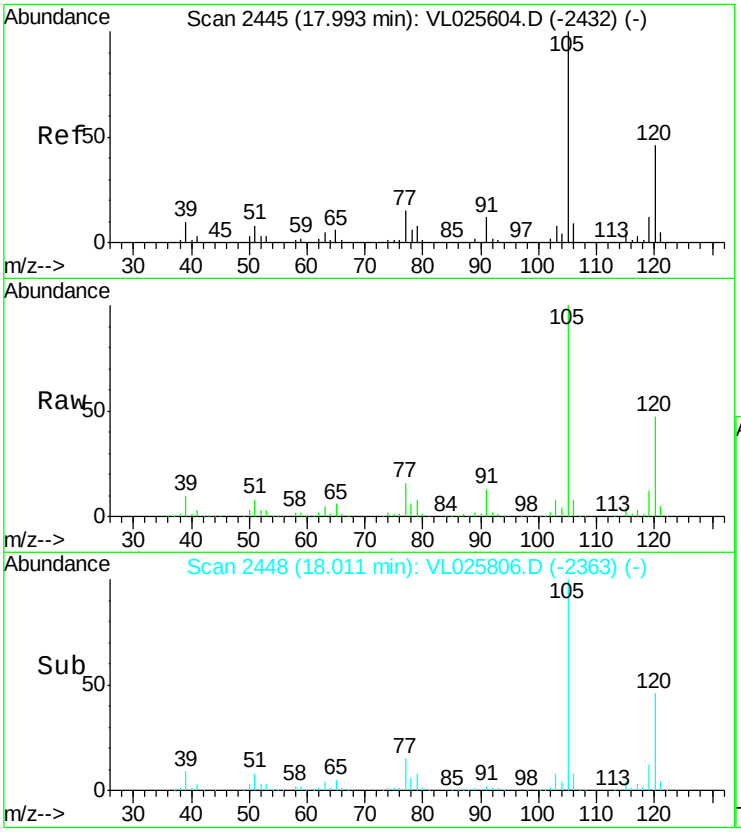


#72
4-Ethyltoluene
Concen: 10.35 ppbv
RT: 17.84 min Scan# 2420
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:105 Resp: 3411649

Ion	Ratio	Lower	Upper
105	100		
120	29.8	23.9	35.9
91	13.7	10.3	15.5
77	14.0	10.9	16.3

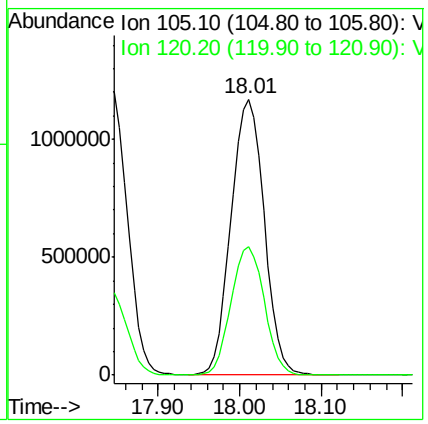




#73
1,3,5-Trimethylbenzene
Concen: 10.18 ppbv
RT: 18.01 min Scan# 2448
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:105 Resp: 3297878

Ion	Ratio	Lower	Upper
105	100		
120	46.7	37.0	55.4



Instrument :
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ClientSampleId :
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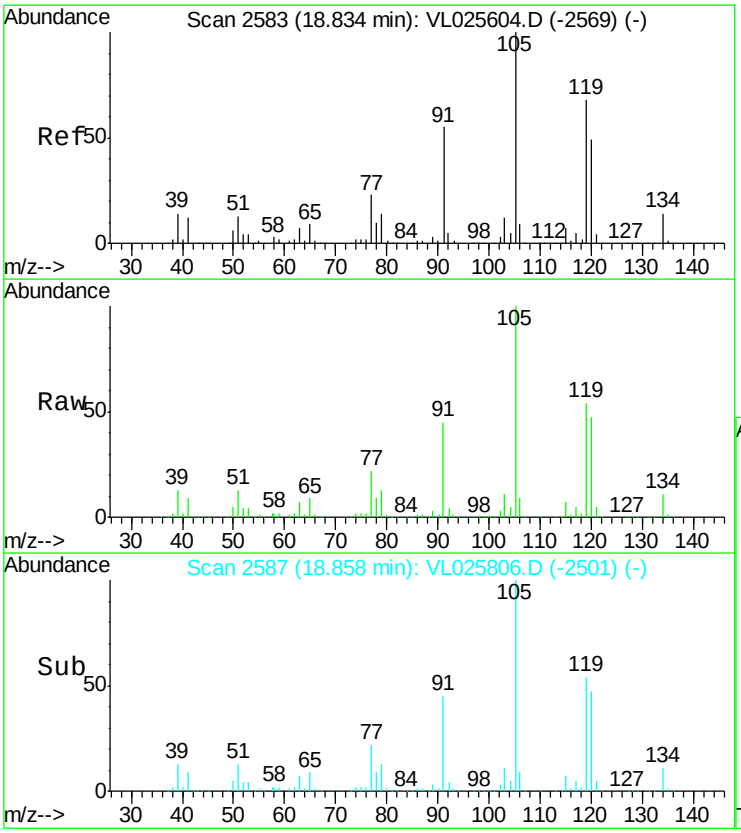
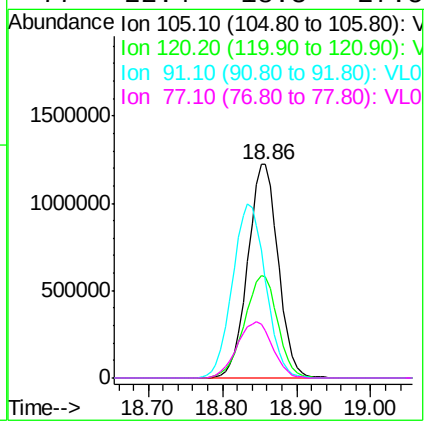
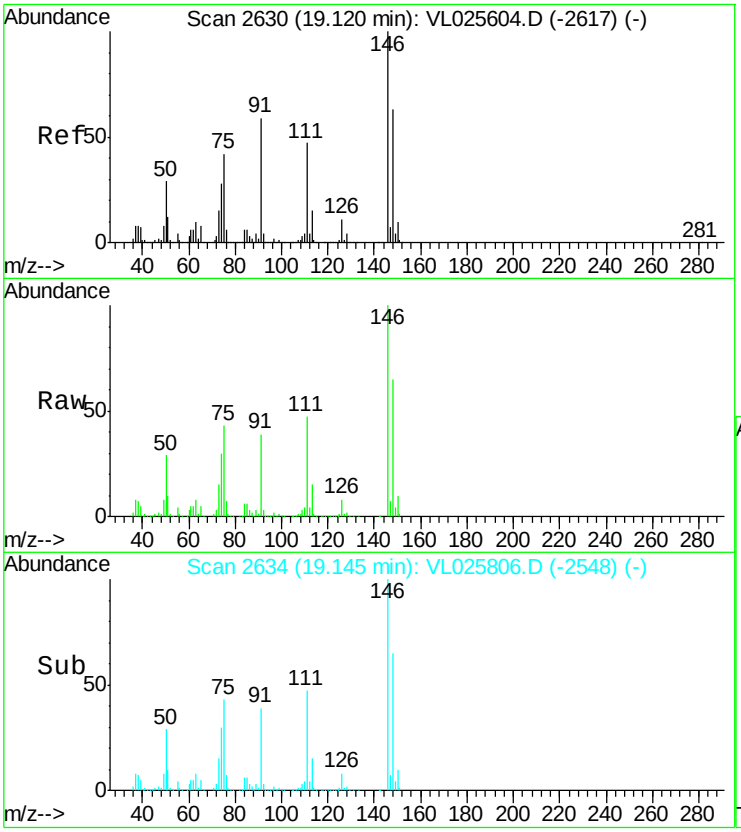


#74
1,2,4-Trimethylbenzene
Concen: 9.62 ppbv
RT: 18.86 min Scan# 2587
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:105 Resp: 3488470

Ion	Ratio	Lower	Upper
105	100		
120	47.3	39.3	58.9
91	45.4	43.8	65.6
77	22.4	18.3	27.5

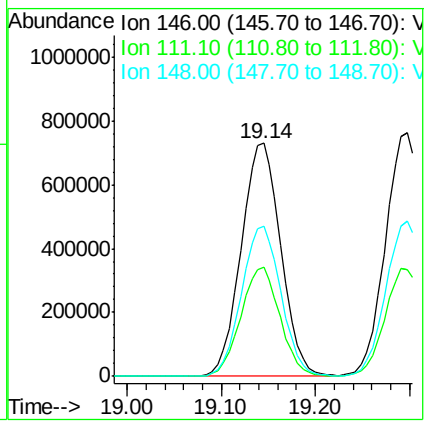




#75
1,3-Dichlorobenzene
Concen: 9.13 ppbv
RT: 19.14 min Scan# 2634
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:146 Resp: 2155671

Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.7	68.1
148	64.2	31.8	95.3



Instrument :
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ClientSampleId :
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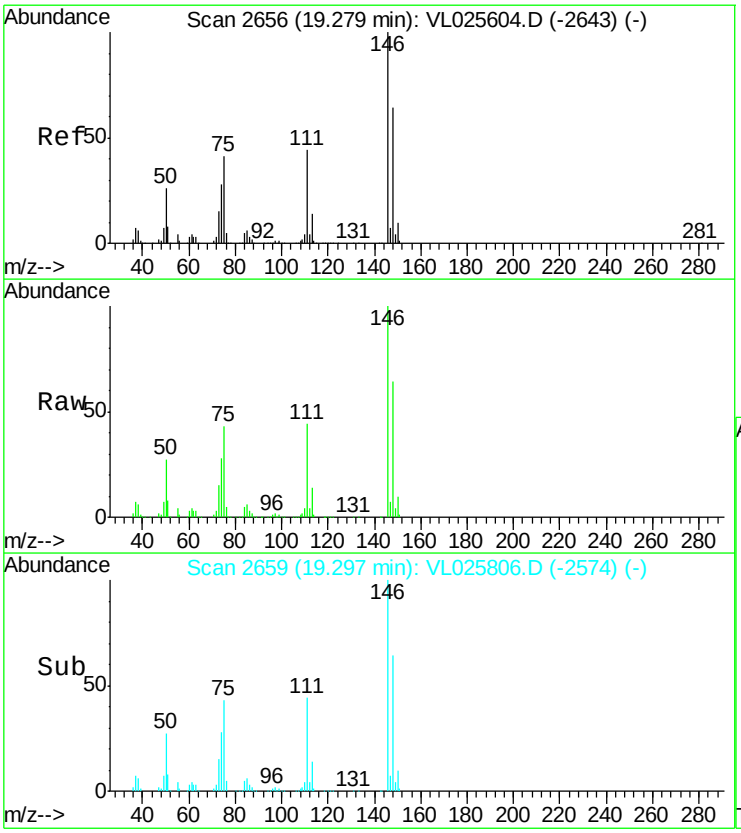
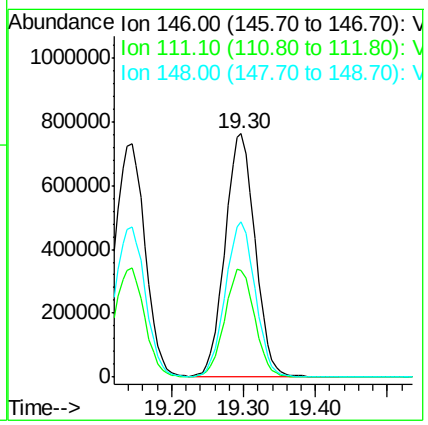
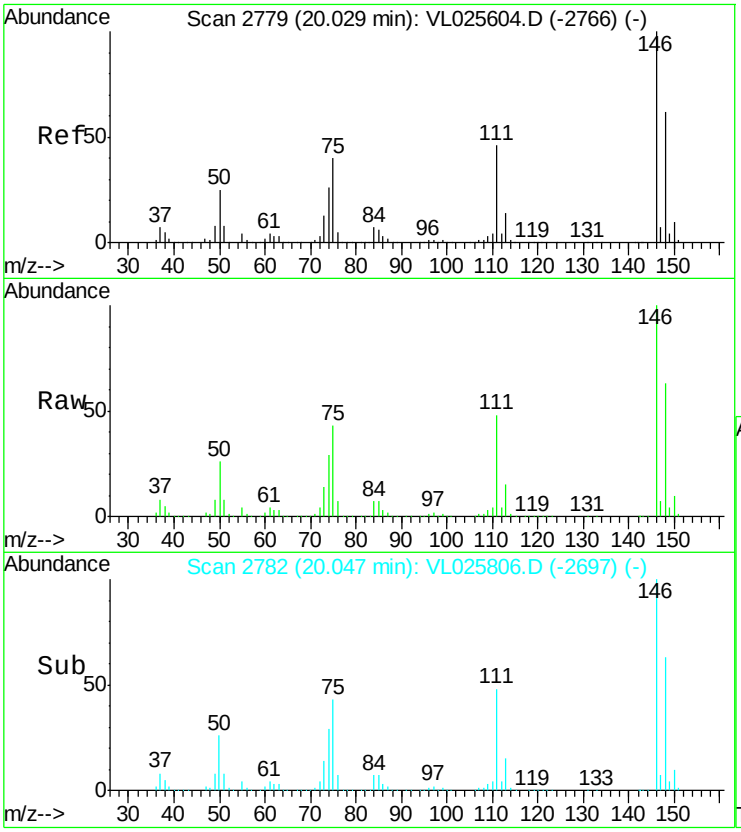


#76
1,4-Dichlorobenzene
Concen: 9.37 ppbv
RT: 19.30 min Scan# 2659
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:146 Resp: 2216403

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.1
148	63.8	31.9	95.9

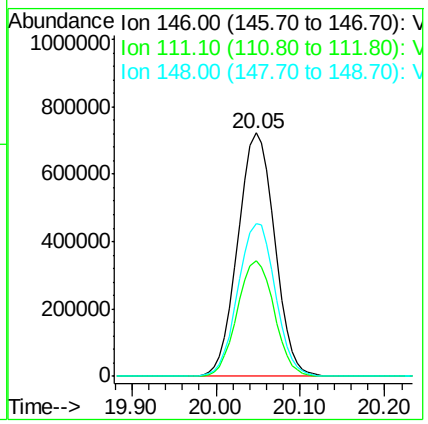




#77
1,2-Dichlorobenzene
Concen: 9.16 ppbv
RT: 20.05 min Scan# 2782
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:146 Resp: 2145789

Ion	Ratio	Lower	Upper
146	100		
111	47.8	23.4	70.3
148	63.8	31.6	94.8



Instrument :
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ClientSampleId :
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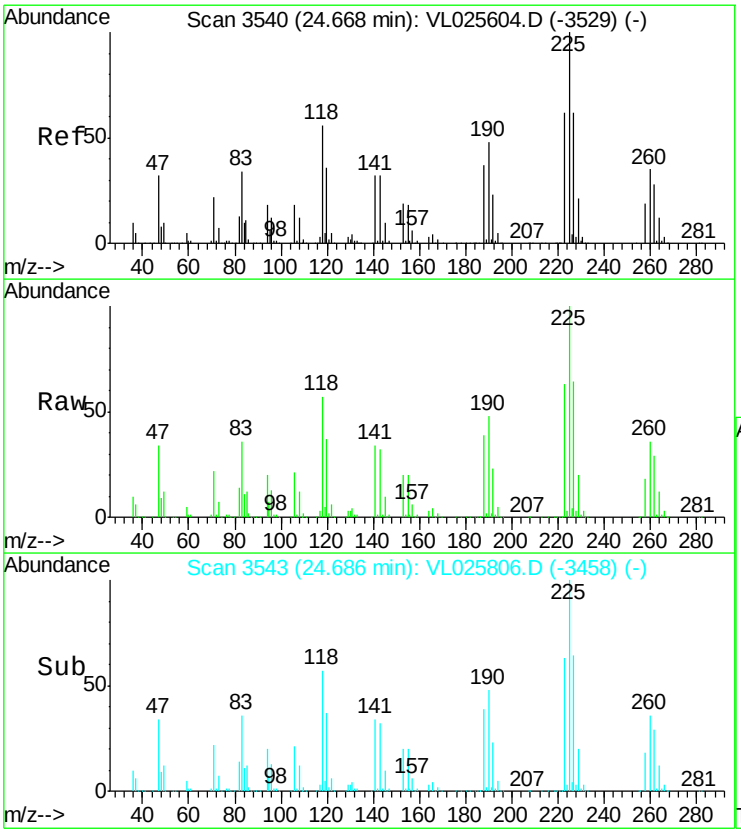
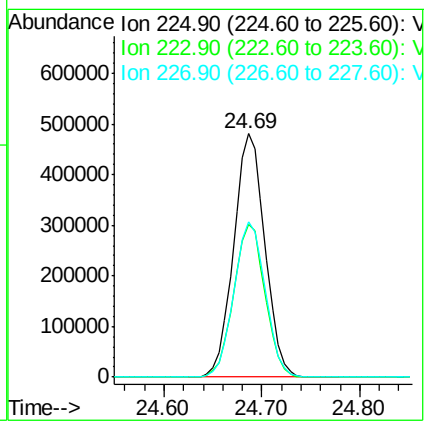
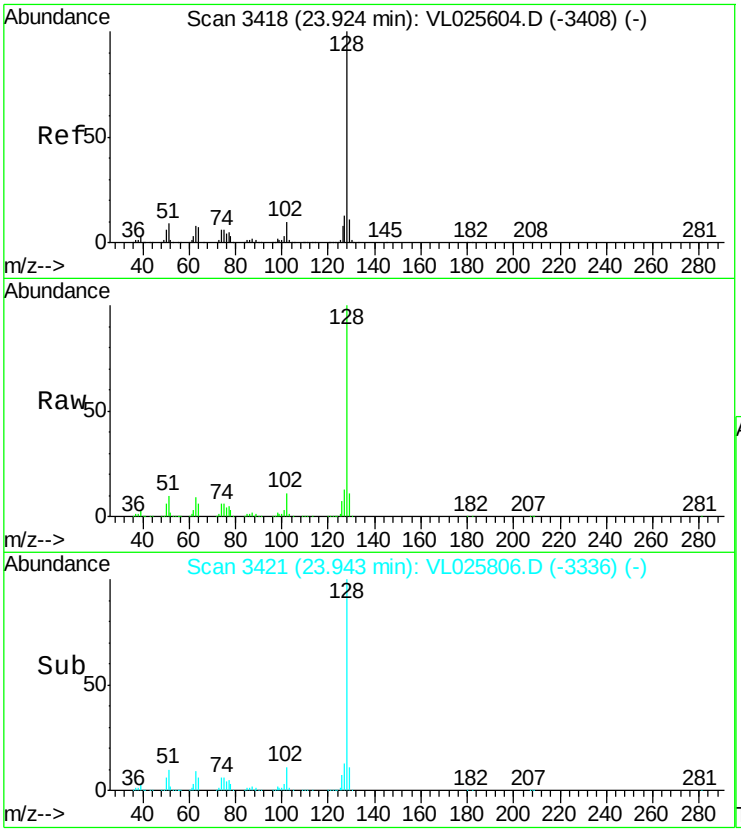


#78
Hexachloro-1,3-Butadiene
Concen: 7.36 ppbv
RT: 24.69 min Scan# 3543
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:225 Resp: 1061395

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	76.0
227	64.3	50.5	75.7

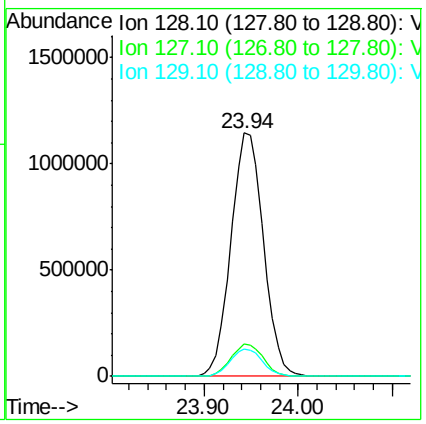




#79
Naphthalene
Concen: 7.87 ppbv
RT: 23.94 min Scan# 3421
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:128 Resp: 2758942

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	11.1	9.0	13.4



Instrument :
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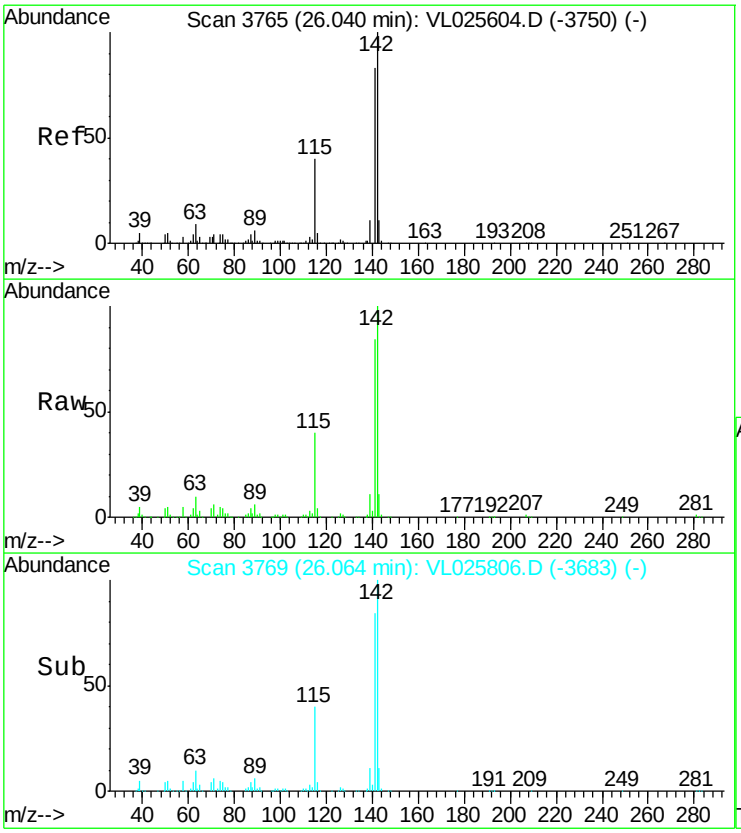
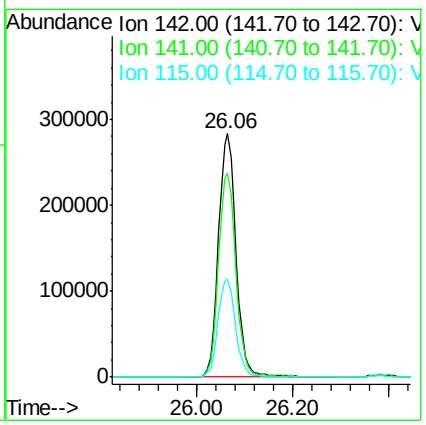
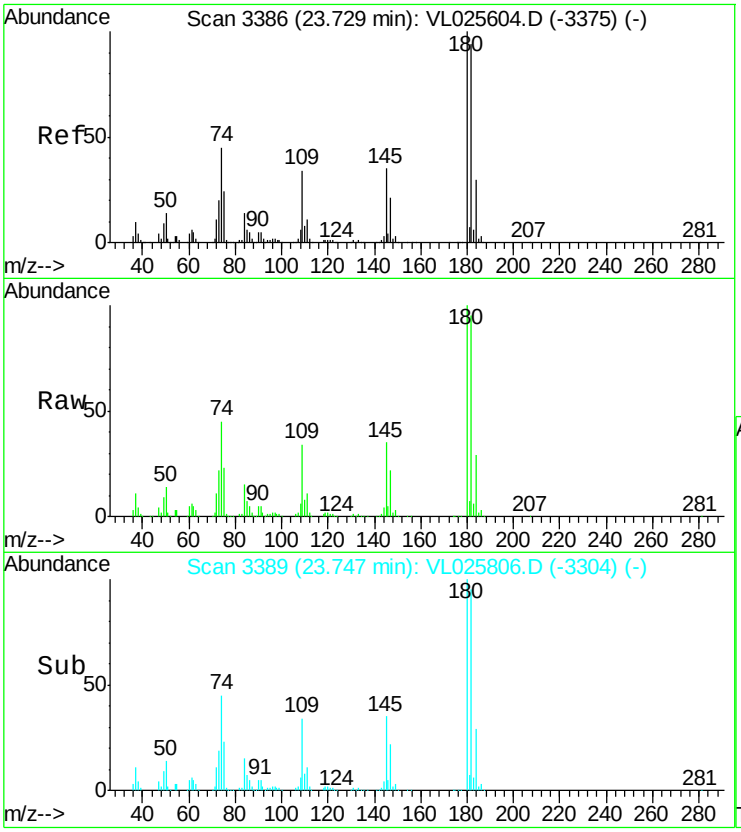


#80
Naphthalene,2-methyl-
Concen: 7.02 ppbv
RT: 26.06 min Scan# 3769
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:142 Resp: 715339

Ion	Ratio	Lower	Upper
142	100		
141	83.7	67.1	100.7
115	40.8	33.9	50.9

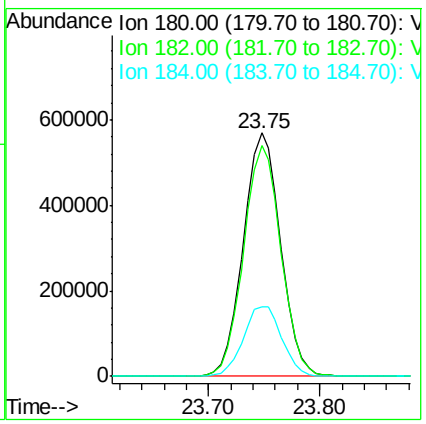




#81
1,2,4-Trichlorobenzene
Concen: 7.89 ppbv
RT: 23.75 min Scan# 3389
Delta R.T. 0.02 min
Lab File: VL025806.D
Acq: 31 Jul 2015 9:00

Tgt Ion:180 Resp: 1325918

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
184	29.8	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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