Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
Data File : VL025606.D
Acq On : 7 Jul 2015 11:53
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
sam
7/8/2015 11:05:13 AM

Quant Time: Jul 07 13:16:11 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 0
QLast Update : Tue Jul 07 13:08:42 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.65	49	669556	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.32	114	1834367	10.00	ppbv		-0.01
55) Chlorobenzene-d5	13.74	117	2322274	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.29	95	1992230	10.38	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.64	85	192266	1.24	ppbv		99
3) Chlorodifluoromethane	3.57	51	103962	1.29	ppbv		99
4) Chloromethane	3.75	50	45703	1.09	ppbv		98
5) Vinyl Chloride	3.89	62	50024	1.07	ppbv		99
6) Bromomethane	4.14	94	40576	1.28	ppbv		83
7) Chloroethane	4.24	64	23803	1.23	ppbv	#	85
8) Dichlorotetrafluoroethane	3.80	85	169408	1.35	ppbv		98
9) Propene	3.59	41	33827	1.01	ppbv		99
10) Heptane	9.35	43	128493	1.07	ppbv		99
11) Trichlorofluoromethane	4.69	101	248253	1.52	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	5.30	101	138077	1.40	ppbv		97
13) Ethanol	4.34	45	6011m	0.99	ppbv		
14) Bromoethene	4.45	108	46651	1.32	ppbv		96
15) Acetone	4.60	43	137298	1.39	ppbv		96
16) 1,3-Butadiene	3.96	39	50660	1.17	ppbv		97
17) tert-Butyl alcohol	5.14	59	102094	1.21	ppbv		96
18) 1,1-Dichloroethene	5.08	96	52909	1.30	ppbv		95
19) Isopropyl Alcohol	4.76	45	54443	1.21	ppbv	#	99
20) Methylene Chloride	5.15	84	53960	1.26	ppbv		97
21) Allyl Chloride	5.22	41	79332	1.23	ppbv		96
22) trans-1,2-Dichloroethene	5.76	96	53313	1.12	ppbv		94
23) Vinyl Acetate	5.98	43	187428	1.08	ppbv		96
24) 1,1-Dichloroethane	5.90	63	128651	1.14	ppbv		99
25) Ethyl Acetate	6.67	43	186782	1.05	ppbv		98
26) Hexane	6.65	57	89242	1.07	ppbv		98
27) Carbon Disulfide	5.39	76	141830	1.23	ppbv	#	92
28) Methyl tert-Butyl Ether	5.96	73	175706	1.13	ppbv		98
29) Chloroform	6.73	83	182502	1.31	ppbv		91
30) Cyclohexane	8.28	84	84457	1.11	ppbv	#	70
31) cis-1,2-Dichloroethene	6.51	61	85615	1.07	ppbv		96
32) 1,1,1-Trichloroethane	7.59	97	192819	1.23	ppbv		99
34) 2-Butanone	6.20	43	106984	0.98	ppbv		100
35) Carbon Tetrachloride	8.15	117	205788	1.24	ppbv		98
36) Benzene	8.01	78	186454	1.03	ppbv		96
37) 1,2-Dichloroethane	7.37	62	160584	1.27	ppbv		100
38) Trichloroethene	9.06	130	91047	1.16	ppbv		96
39) 1,2-Dichloropropane	8.82	63	69931	1.04	ppbv		98
40) 1,4-Dioxane	9.17	88	8840m	0.59	ppbv		
41) Tetrahydrofuran	7.13	42	50464	0.86	ppbv		98
42) Bromodichloromethane	9.02	83	189253	1.20	ppbv		100
43) Methyl Methacrylate	9.26	69	67869	1.01	ppbv		99

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
Data File : VL025606.D
Acq On : 7 Jul 2015 11:53
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
sam
7/8/2015 11:05:13 AM

Quant Time: Jul 07 13:16:11 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 0
QLast Update : Tue Jul 07 13:08:42 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.08	57	322549	1.03	ppbv		98
45) t-1,3-Dichloropropene	10.65	75	105391	1.00	ppbv		98
46) cis-1,3-Dichloropropene	10.02	75	121713	0.99	ppbv		99
47) 1,1,2-Trichloroethane	10.87	97	95178	1.13	ppbv		99
48) Dibromochloromethane	11.79	129	163646	1.21	ppbv		98
49) Bromoform	14.80	173	134682	1.24	ppbv		99
50) 4-Methyl-2-Pentanone	10.10	43	152592	1.03	ppbv		100
51) 2-Hexanone	11.63	43	124467	0.94	ppbv	#	98
52) Tetrachloroethene	12.79	164	99632	1.20	ppbv		99
53) Toluene	11.23	91	251985	1.06	ppbv		98
54) 1,2-Dibromoethane	12.14	107	150779	1.17	ppbv		97
56) 1,1,1,2-Tetrachloroethane	13.78	131	138371	1.25	ppbv	#	1
57) Chlorobenzene	13.80	112	278406	1.22	ppbv		97
58) Ethyl Benzene	14.41	91	409510	1.11	ppbv		99
59) m/p-Xylene	14.71	91	741232m	2.40	ppbv		
60) o-Xylene	15.49	91	403205	1.23	ppbv		98
61) Styrene	15.31	104	120886	0.97	ppbv		98
62) Isopropylbenzene	16.54	105	514056	1.19	ppbv		99
63) 1,1,2,2-Tetrachloroethane	15.48	83	275153	1.18	ppbv		99
64) n-propylbenzene	17.52	120	141280	1.23	ppbv		97
65) tert-Butylbenzene	18.80	119	524373	1.30	ppbv		100
66) Benzyl Chloride	19.10	91	168640	1.23	ppbv		97
67) sec-Butylbenzene	19.40	105	745578	1.32	ppbv		98
69) p-Isopropyltoluene	19.78	119	602042	1.31	ppbv		99
70) n-Butylbenzene	20.75	91	616290	1.38	ppbv		97
71) 2-Chlorotoluene	17.42	91	374278	1.16	ppbv		100
72) 4-Ethyltoluene	17.82	105	437192	1.22	ppbv		98
73) 1,3,5-Trimethylbenzene	17.98	105	429505	1.24	ppbv		98
74) 1,2,4-Trimethylbenzene	18.83	105	497546	1.33	ppbv	#	91
75) 1,3-Dichlorobenzene	19.11	146	323805	1.36	ppbv		100
76) 1,4-Dichlorobenzene	19.27	146	321016	1.35	ppbv		100
77) 1,2-Dichlorobenzene	20.02	146	317736	1.35	ppbv		100
78) Hexachloro-1,3-Butadiene	24.66	225	205142	1.69	ppbv		99
79) Naphthalene	23.93	128	491273	1.61	ppbv		99
80) Naphthalene,2-methyl-	26.04	142	140072	1.79	ppbv		99
81) 1,2,4-Trichlorobenzene	23.73	180	234841	1.65	ppbv		99

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

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
Data File : VL025606.D
Acq On : 7 Jul 2015 11:53
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 07 13:16:11 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul
QLast Update : Tue Jul 07 13:08:42 2015
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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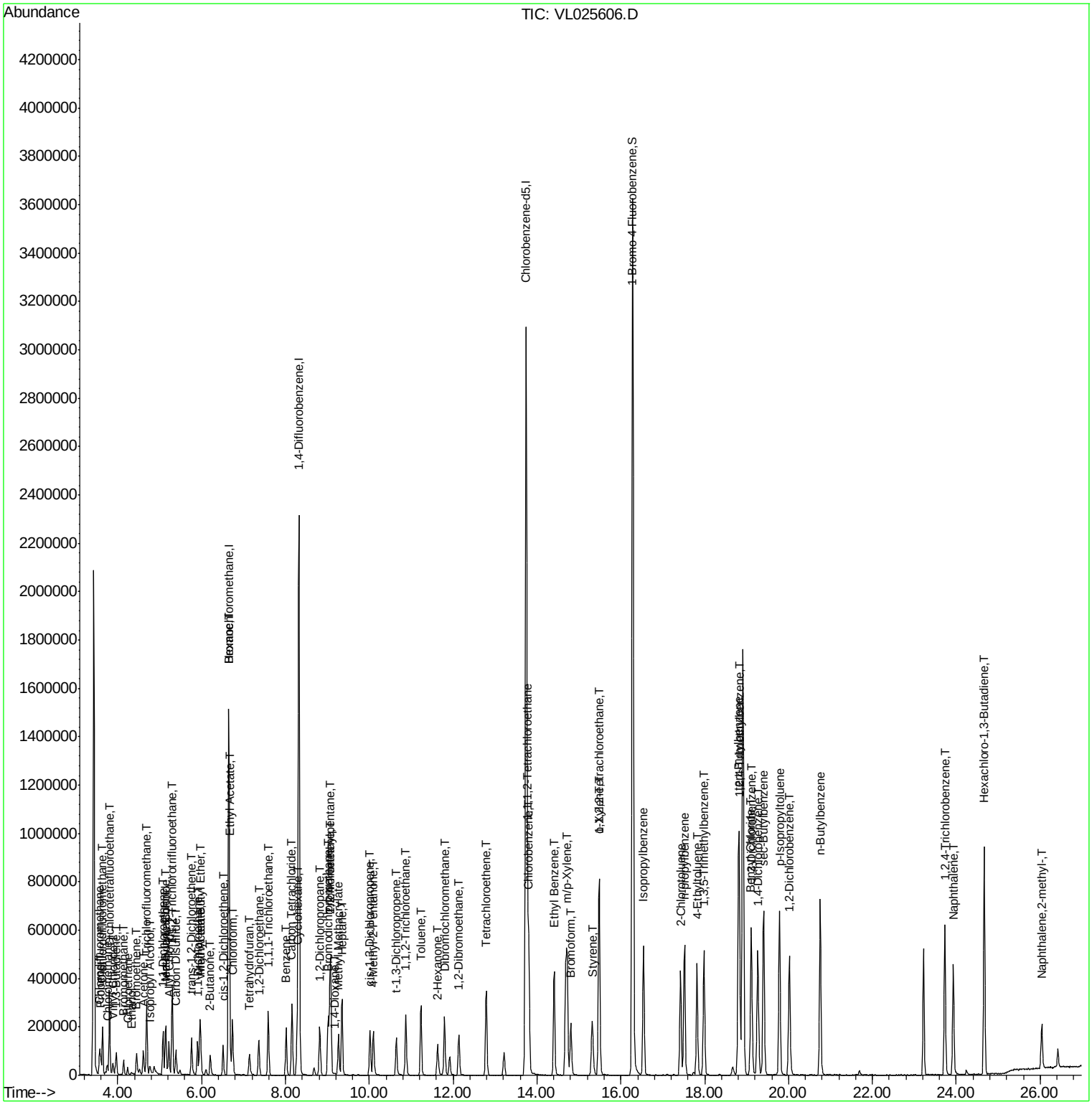
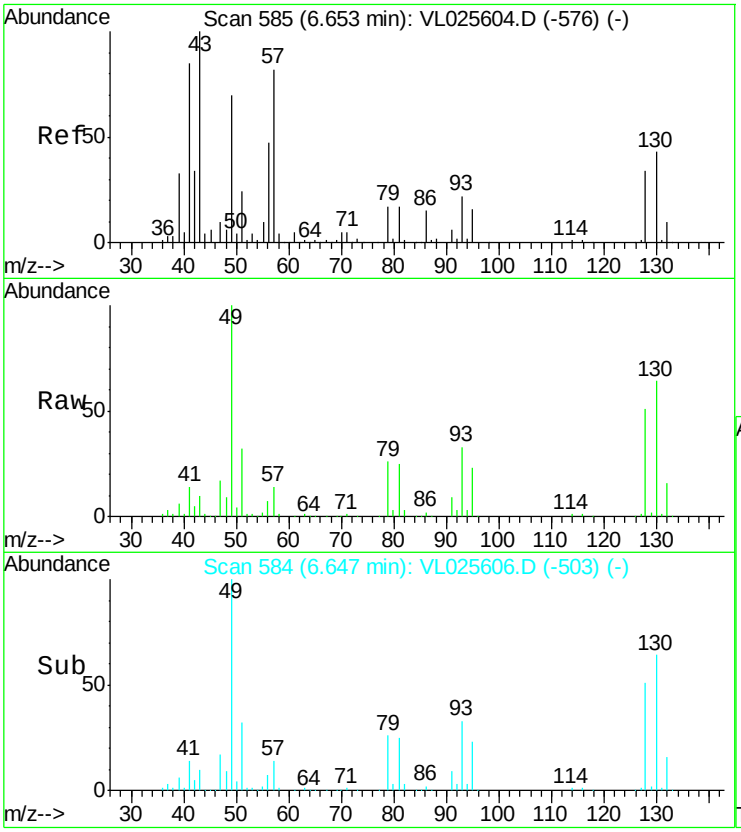
7/8/2015 11:05:13 AM

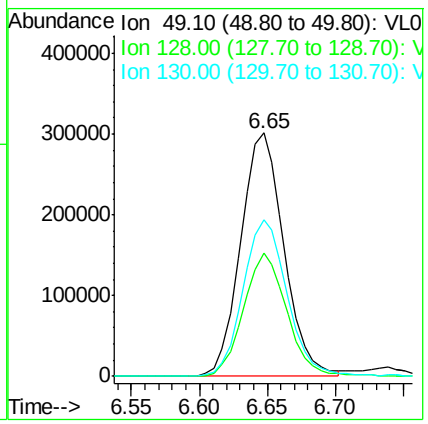




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

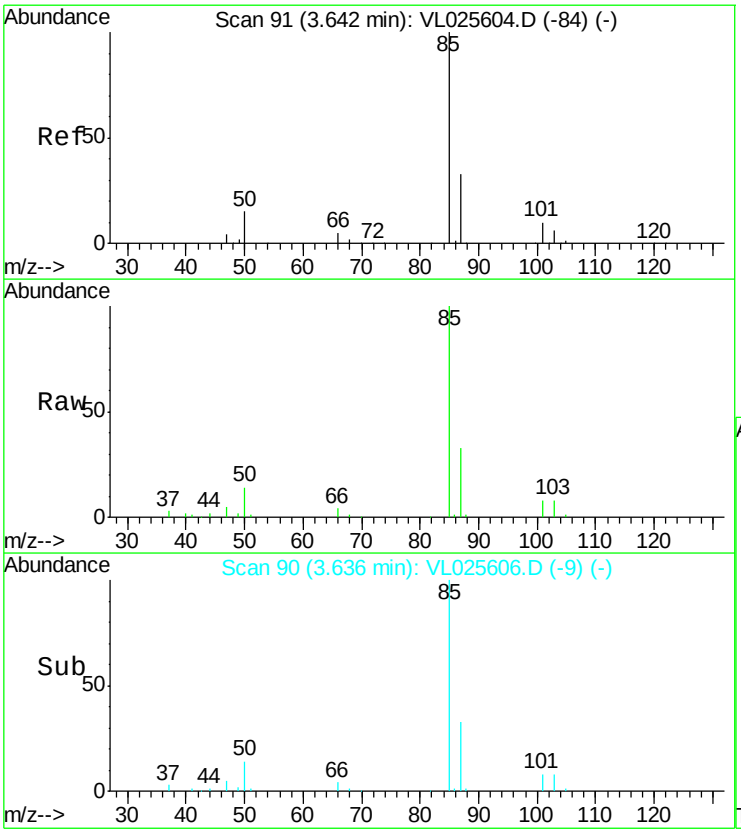
Tgt Ion: 49 Resp: 669556

Ion	Ratio	Lower	Upper
49	100		
128	51.2	25.4	76.0
130	66.7	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

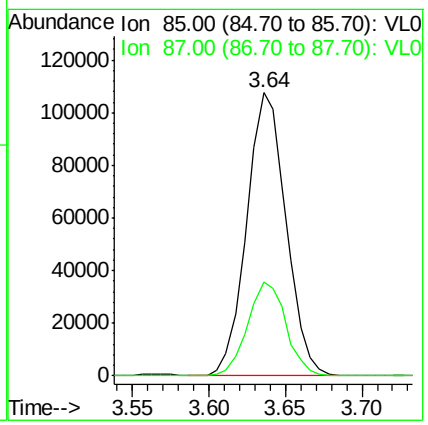
Manual Integrations APPROVED
sam
7/8/2015 11:05:13 AM

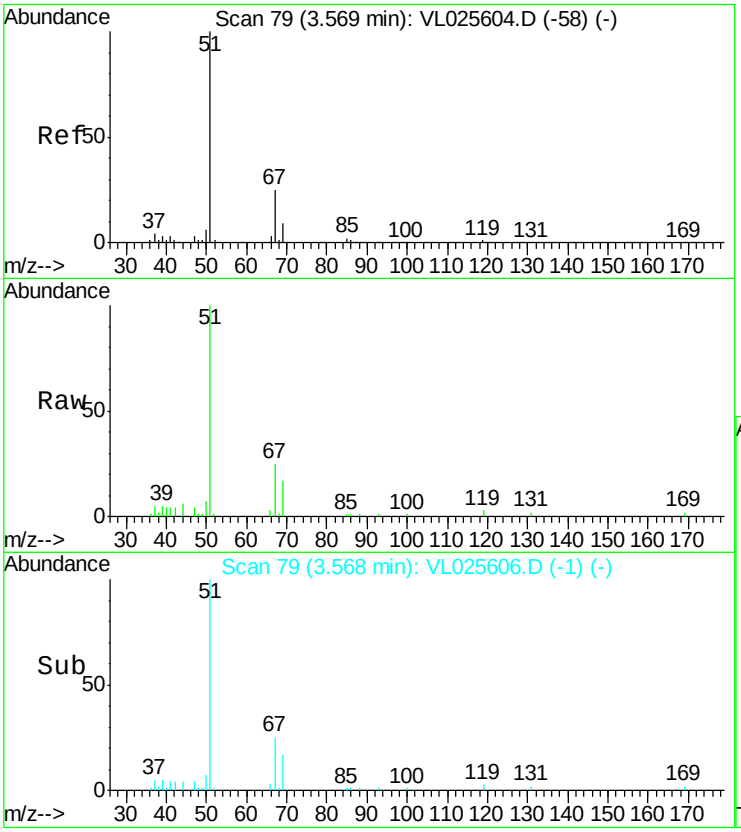


#2
Dichlorodifluoromethane
Concen: 1.24 ppbv
RT: 3.64 min Scan# 90
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 85 Resp: 192266

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.5	39.7

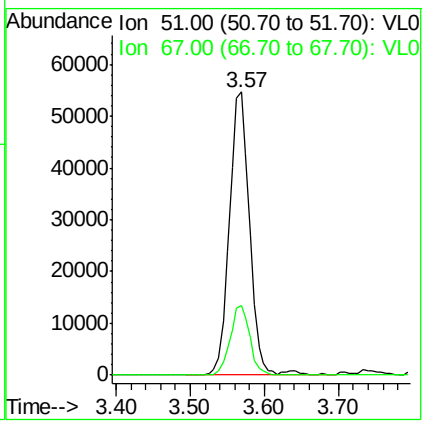




#3
Chlorodifluoromethane
Concen: 1.29 ppbv
RT: 3.57 min Scan# 79
Delta R.T. -0.00 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

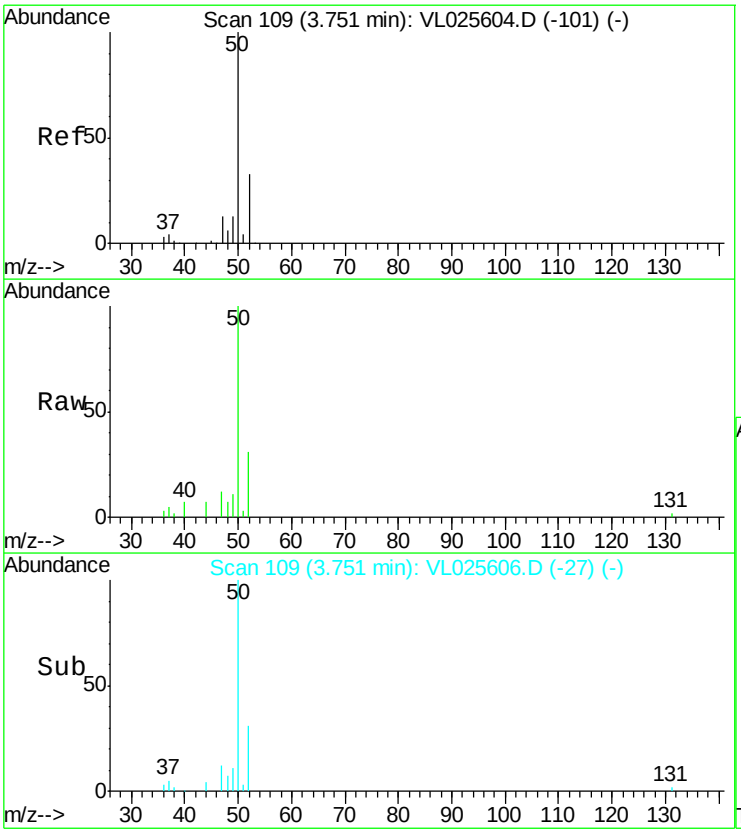
Tgt Ion: 51 Resp: 103962

Ion	Ratio	Lower	Upper
51	100		
67	23.9	19.5	29.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

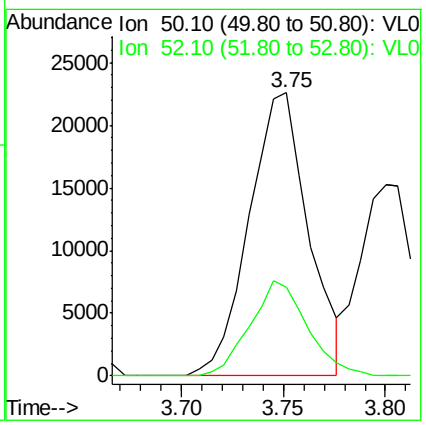
Manual Integrations APPROVED
sam
7/8/2015 11:05:13 AM

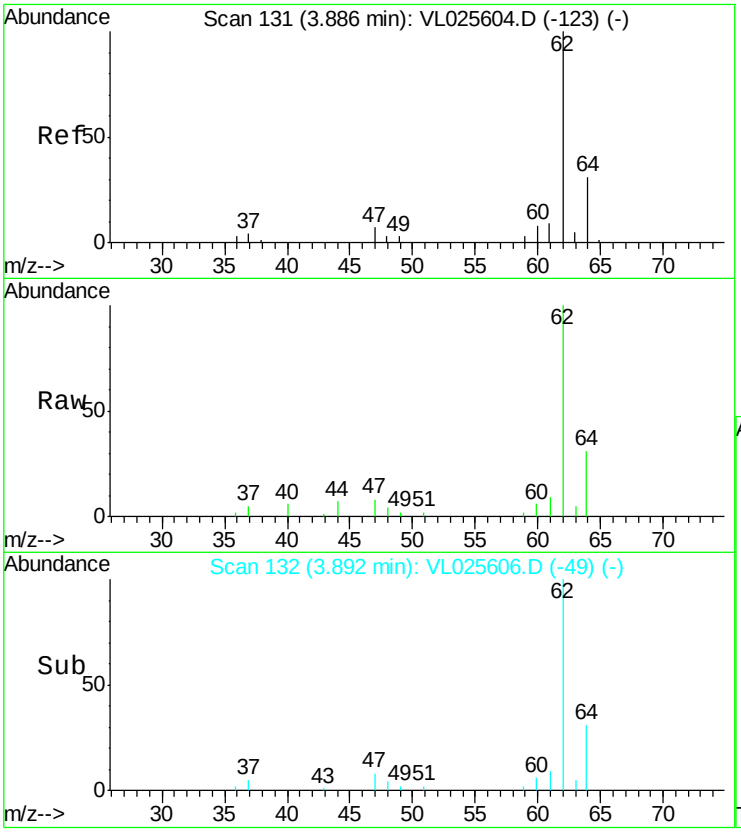


#4
Chloromethane
Concen: 1.09 ppbv
RT: 3.75 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 50 Resp: 45703

Ion	Ratio	Lower	Upper
50	100		
52	31.3	26.2	39.2

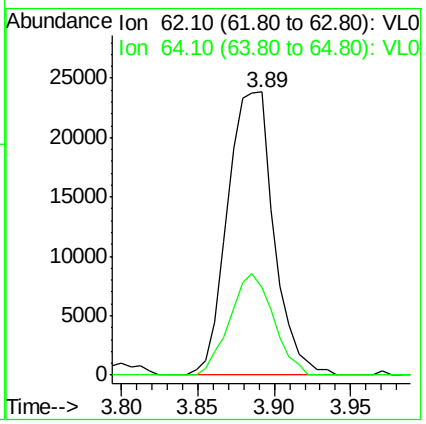




#5
Vinyl Chloride
Concen: 1.07 ppbv
RT: 3.89 min Scan# 132
Delta R.T. 0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 62 Resp: 50024

Ion	Ratio	Lower	Upper
62	100		
64	30.8	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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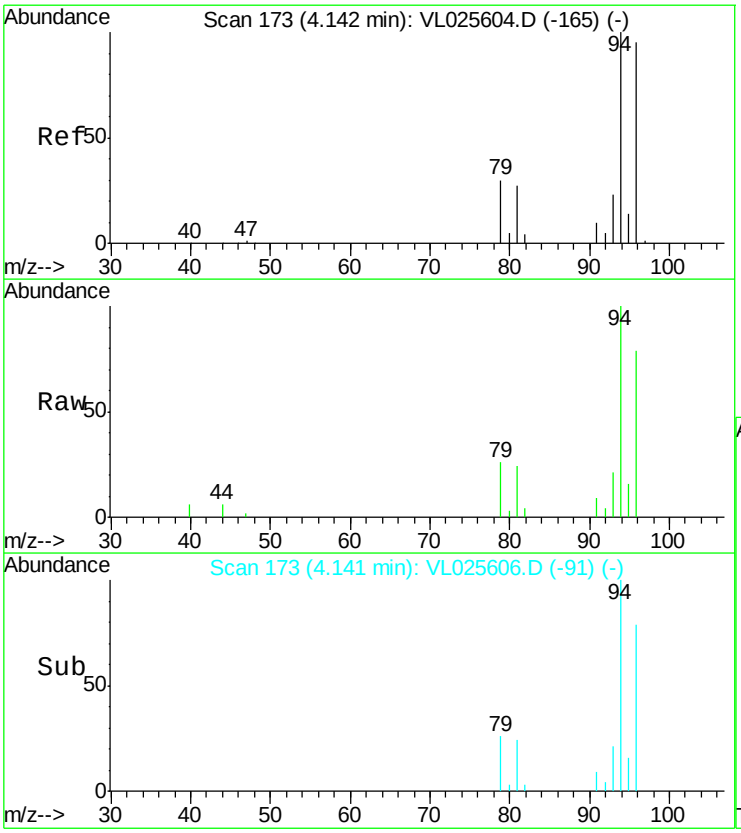
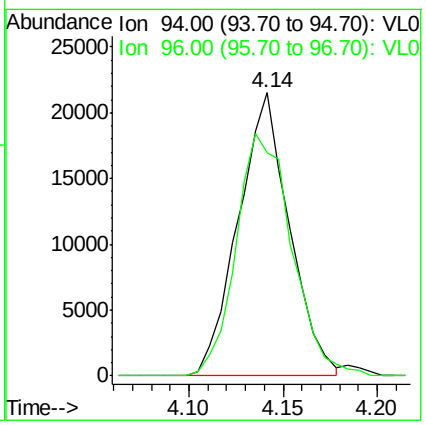
7/8/2015 11:05:13 AM

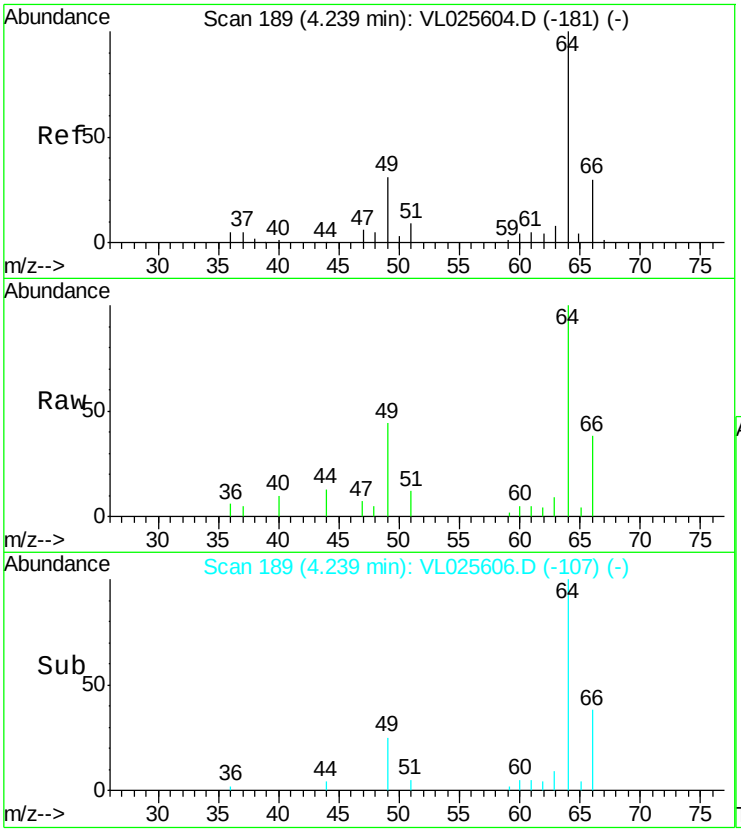


#6
Bromomethane
Concen: 1.28 ppbv
RT: 4.14 min Scan# 173
Delta R.T. -0.00 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 94 Resp: 40576

Ion	Ratio	Lower	Upper
94	100		
96	78.8	75.9	113.9

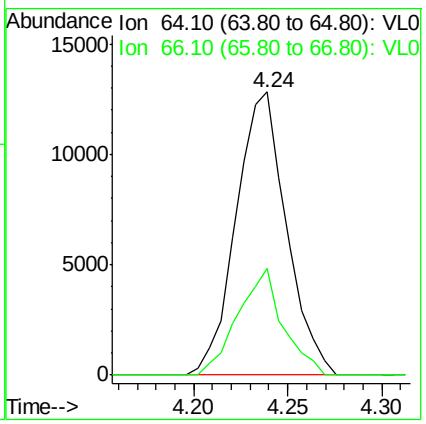




#7
Chloroethane
Concen: 1.23 ppbv
RT: 4.24 min Scan# 189
Delta R.T. -0.00 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 64 Resp: 23803

Ion	Ratio	Lower	Upper
64	100		
66	37.7	23.8	35.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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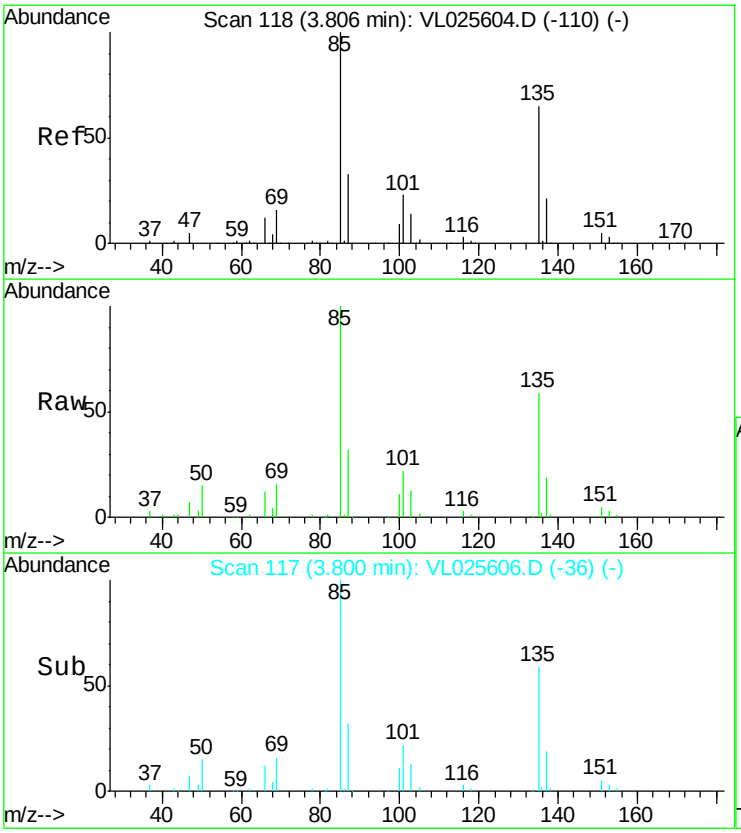
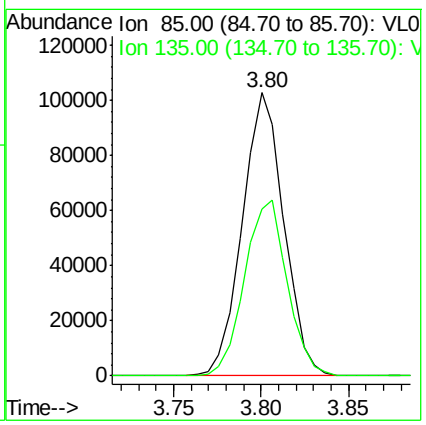
7/8/2015 11:05:13 AM

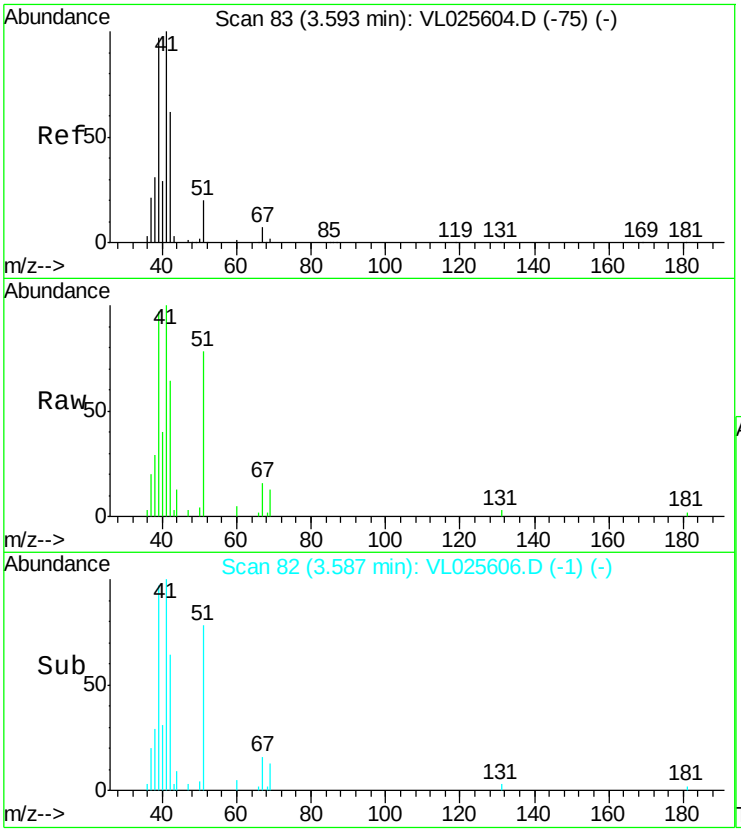


#8
Dichlorotetrafluoroethane
Concen: 1.35 ppbv
RT: 3.80 min Scan# 117
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 85 Resp: 169408

Ion	Ratio	Lower	Upper
85	100		
135	63.9	52.2	78.4

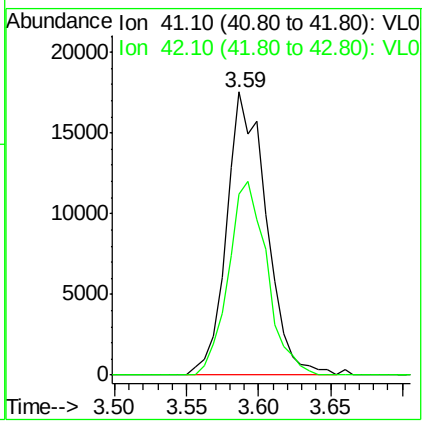




#9
Propene
Concen: 1.01 ppbv
RT: 3.59 min Scan# 82
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 41 Resp: 33827

Ion	Ratio	Lower	Upper
41	100		
42	66.3	52.4	78.6



Instrument :
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ClientSampleId :
VSTDICC001

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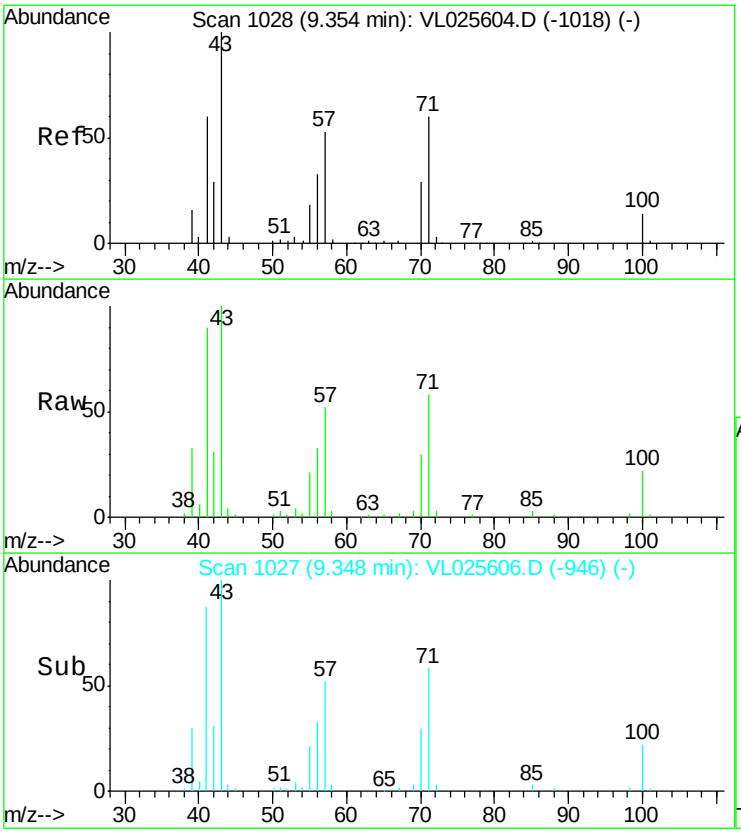
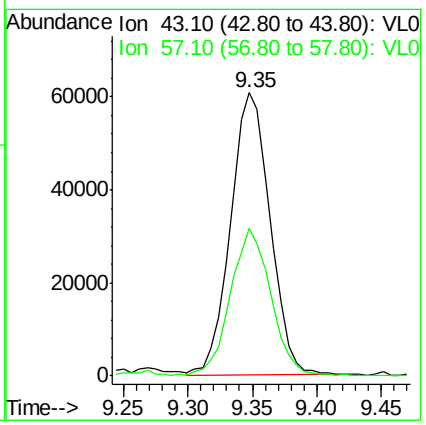
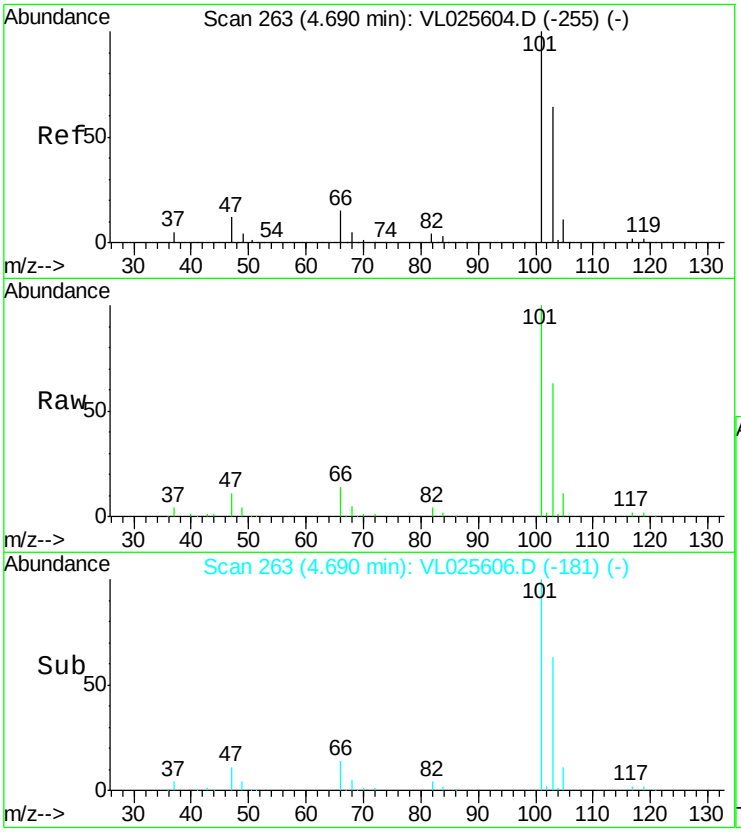


#10
Heptane
Concen: 1.07 ppbv
RT: 9.35 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 43 Resp: 128493

Ion	Ratio	Lower	Upper
43	100		
57	53.8	42.6	64.0

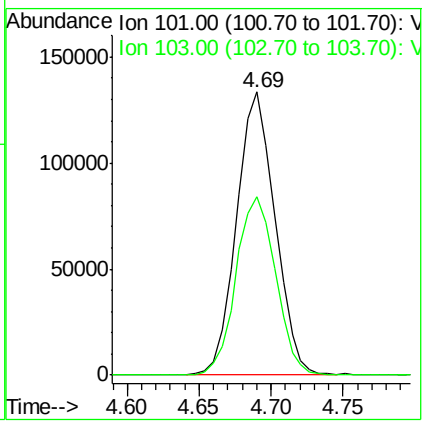




#11
Trichlorofluoromethane
Concen: 1.52 ppbv
RT: 4.69 min Scan# 263
Delta R.T. -0.00 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

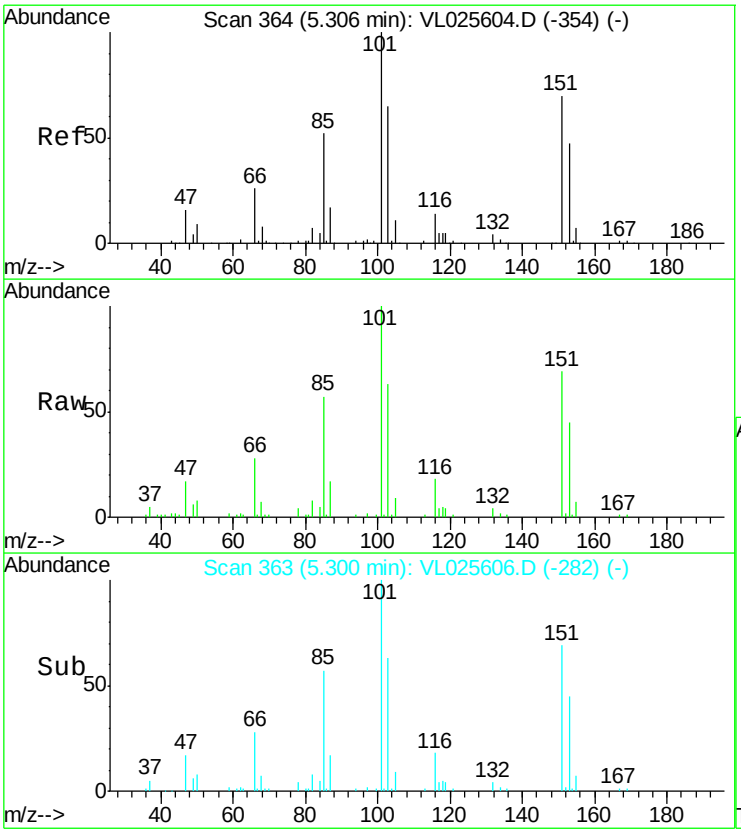
Tgt Ion:101 Resp: 248253

Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.4	77.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

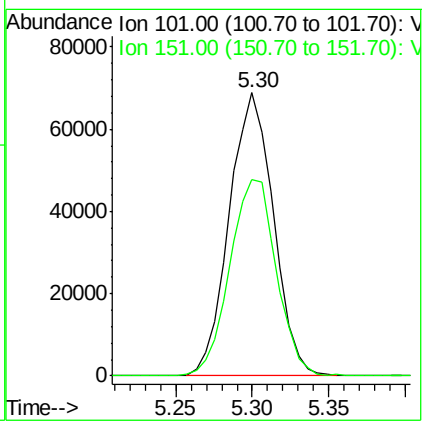
Manual Integrations APPROVED
sam
7/8/2015 11:05:13 AM

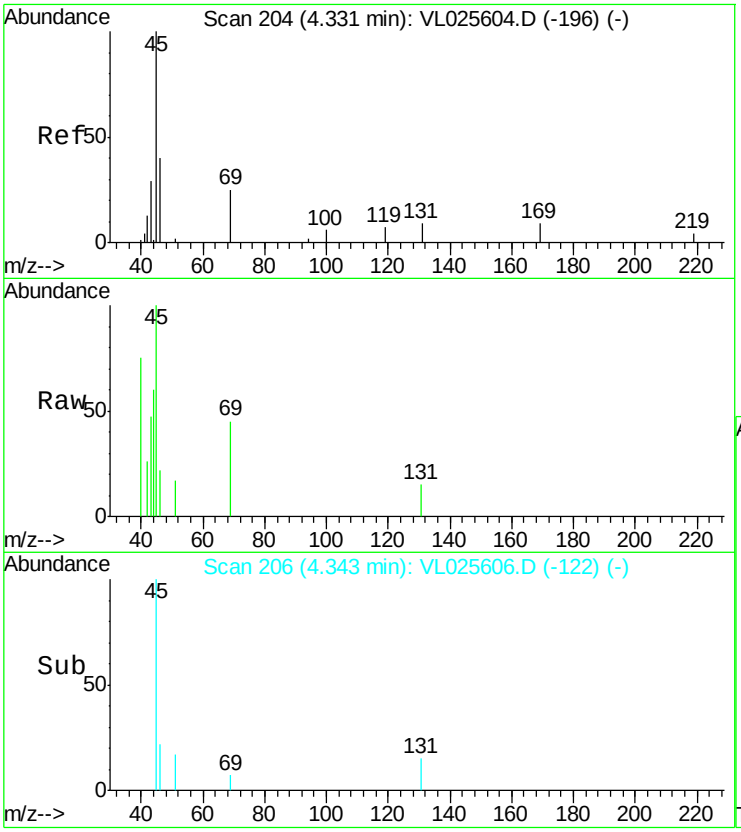


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.40 ppbv
RT: 5.30 min Scan# 363
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:101 Resp: 138077

Ion	Ratio	Lower	Upper
101	100		
151	72.9	56.3	84.5

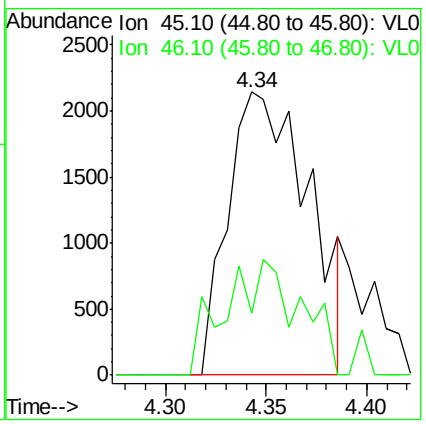




#13
Ethanol
Concen: 0.99 ppbv m
RT: 4.34 min Scan# 206
Delta R.T. 0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 45 Resp: 6011

Ion	Ratio	Lower	Upper
45	100		
46	40.0	16.0	64.0



Instrument :
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ClientSampleId :
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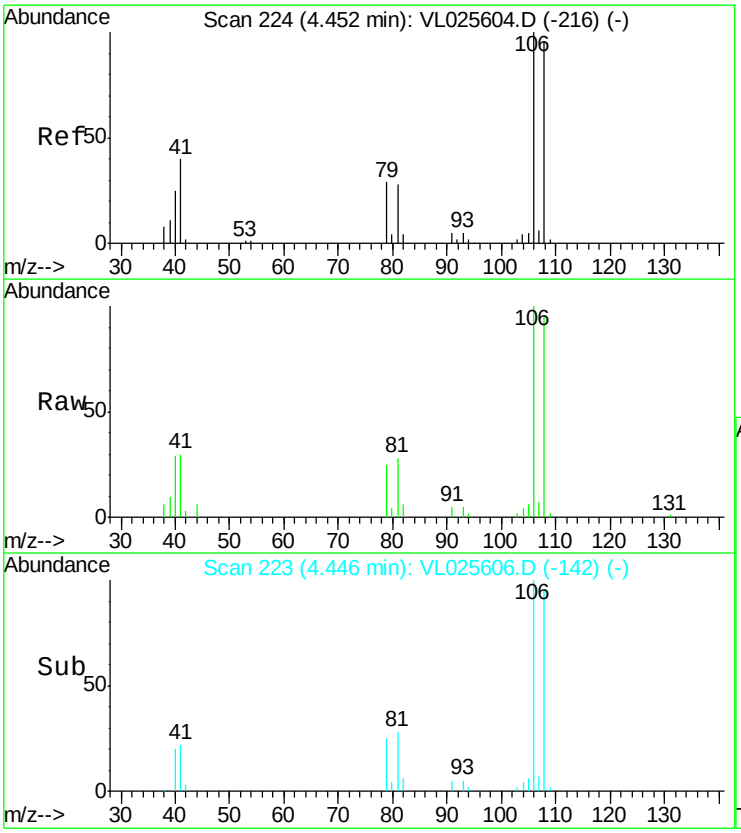
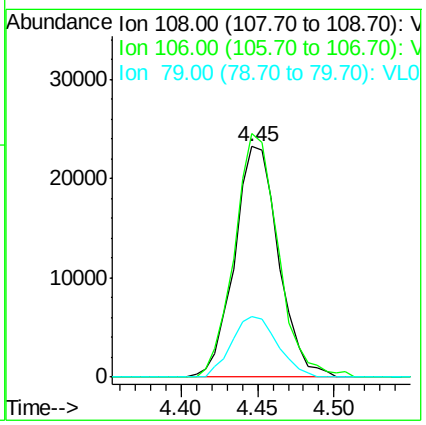
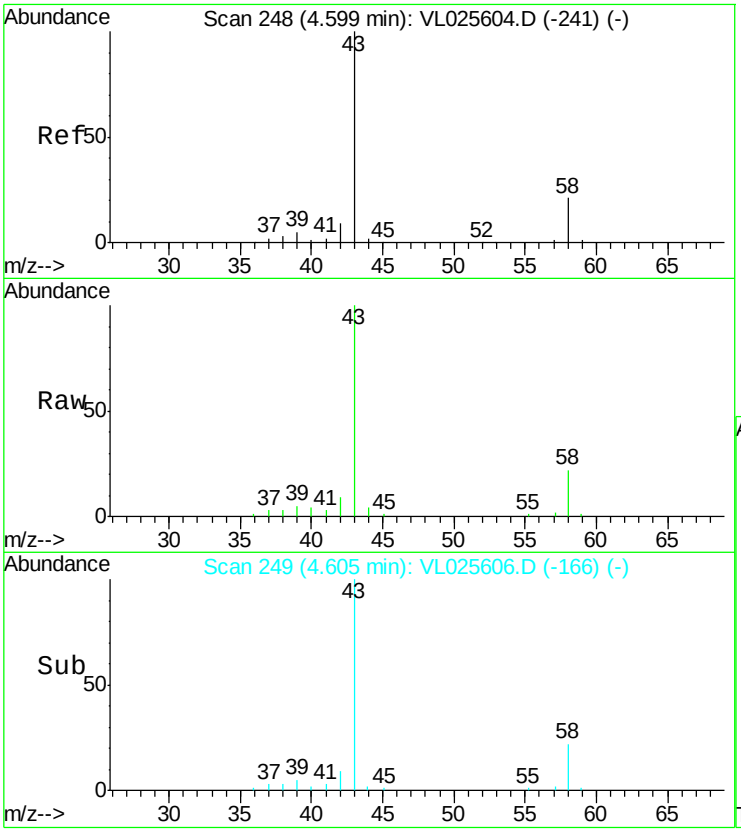


#14
Bromoethene
Concen: 1.32 ppbv
RT: 4.45 min Scan# 223
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:108 Resp: 46651

Ion	Ratio	Lower	Upper
108	100		
106	104.1	85.7	128.5
79	27.0	24.6	36.8

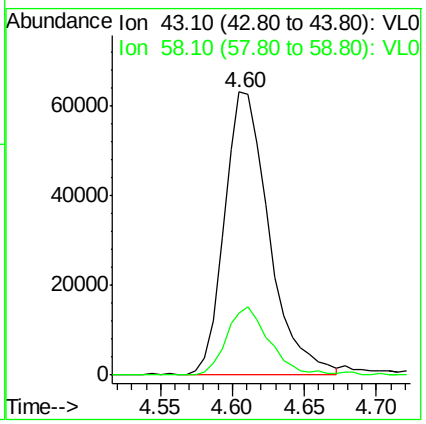




#15
Acetone
Concen: 1.39 ppbv
RT: 4.60 min Scan# 249
Delta R.T. 0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 43 Resp: 137298

Ion	Ratio	Lower	Upper
43	100		
58	23.4	17.2	25.8



Instrument :
MSVOA_L
ClientSampleId :
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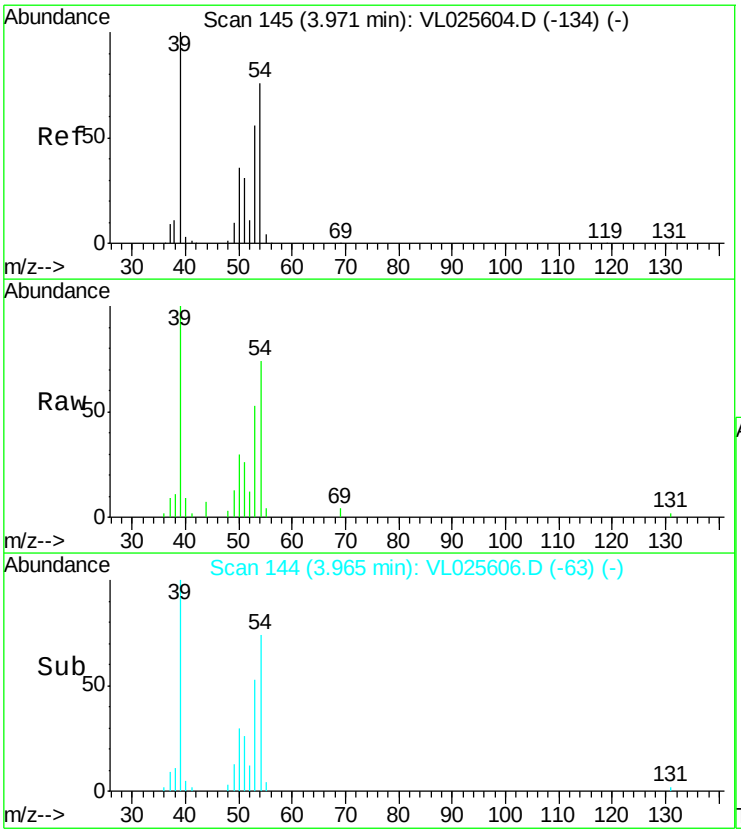
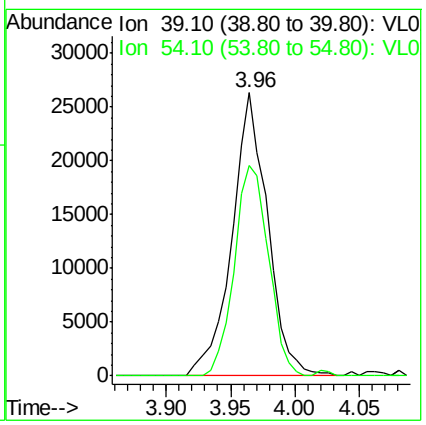
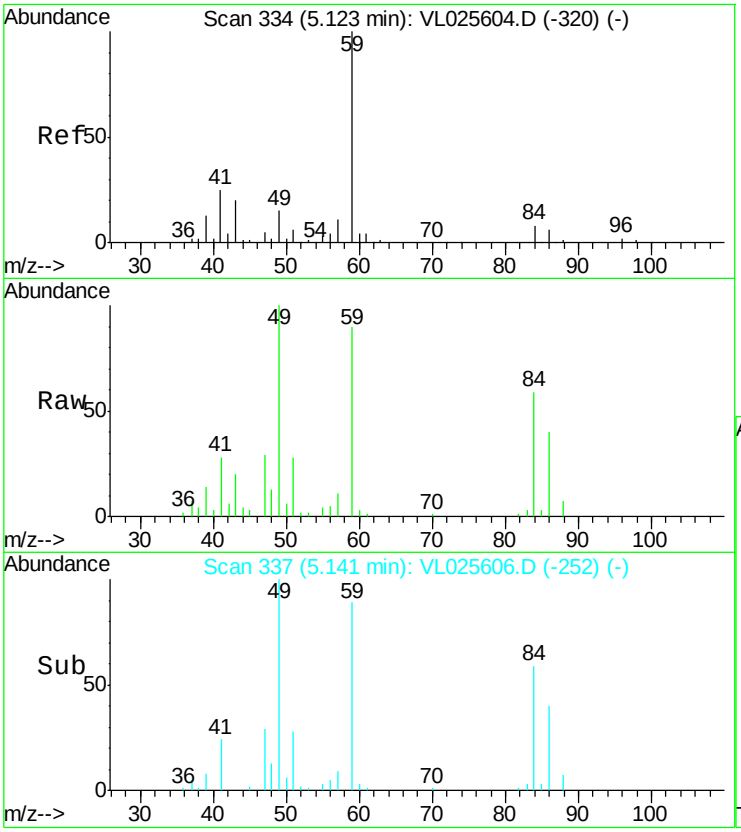


#16
1,3-Butadiene
Concen: 1.17 ppbv
RT: 3.96 min Scan# 144
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 39 Resp: 50660

Ion	Ratio	Lower	Upper
39	100		
54	71.4	59.3	88.9

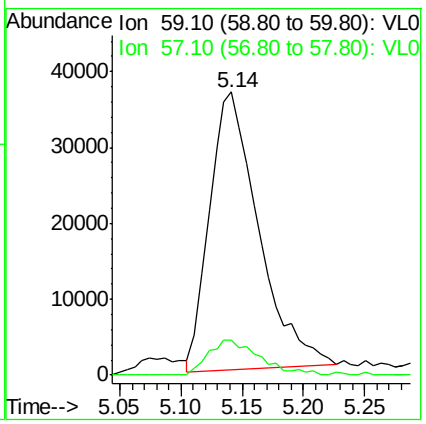




#17
tert-Butyl alcohol
Concen: 1.21 ppbv
RT: 5.14 min Scan# 337
Delta R.T. 0.02 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 59 Resp: 102094

Ion	Ratio	Lower	Upper
59	100		
57	13.5	9.4	14.2



Instrument :
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ClientSampleId :
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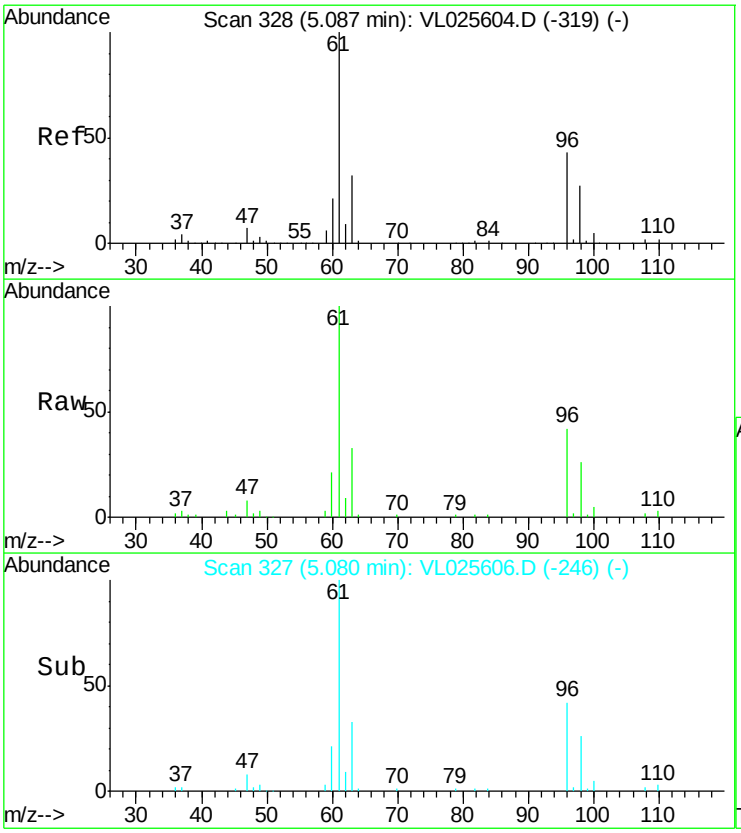
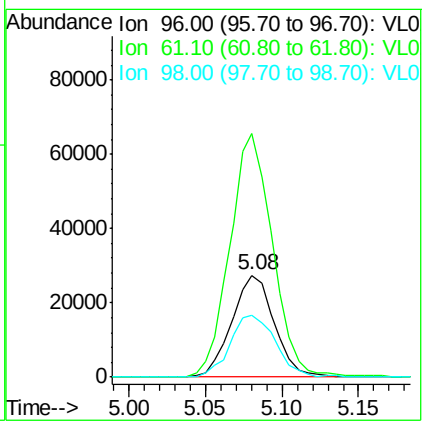
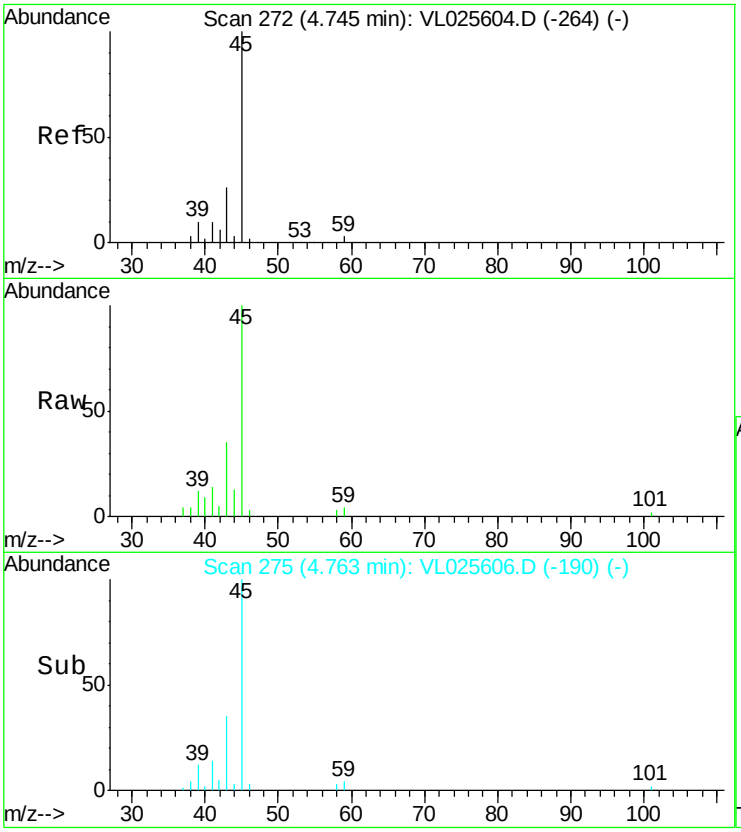


#18
1,1-Dichloroethene
Concen: 1.30 ppbv
RT: 5.08 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 96 Resp: 52909

Ion	Ratio	Lower	Upper
96	100		
61	238.8	184.1	276.1
98	61.0	50.0	75.0





#19
Isopropyl Alcohol
Concen: 1.21 ppbv
RT: 4.76 min Scan# 275
Delta R.T. 0.02 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 45 Resp: 54443

Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.1	1.7#

Instrument :
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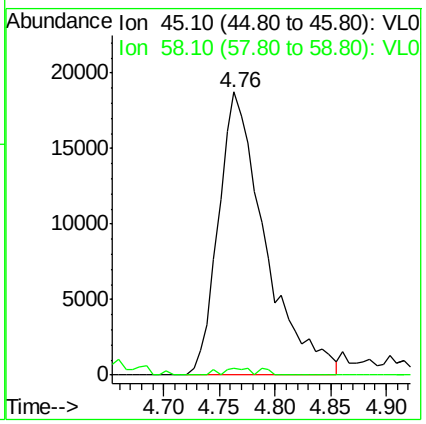
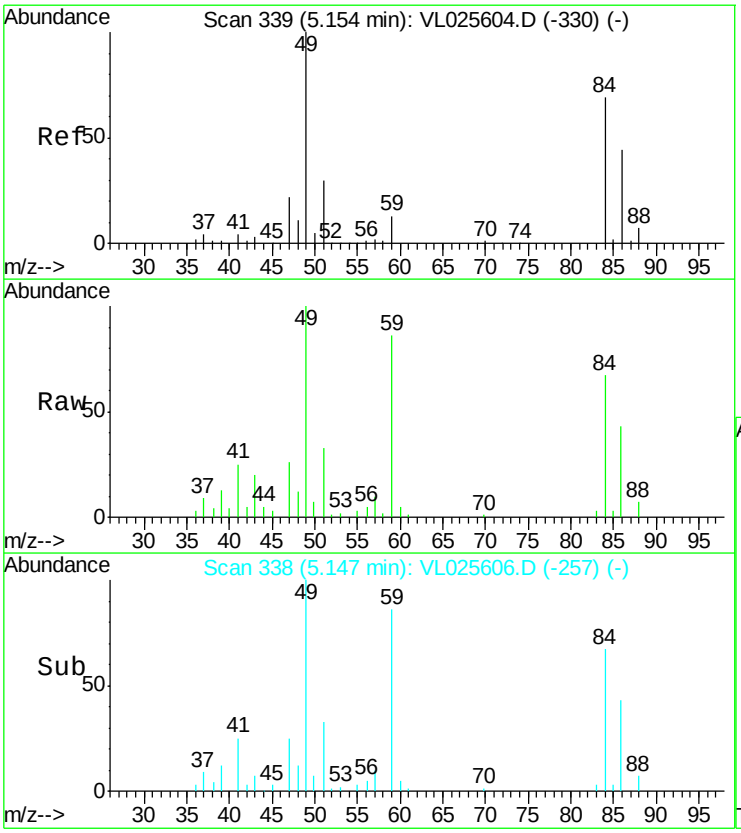
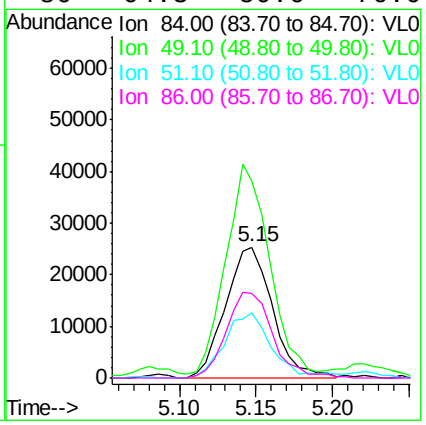


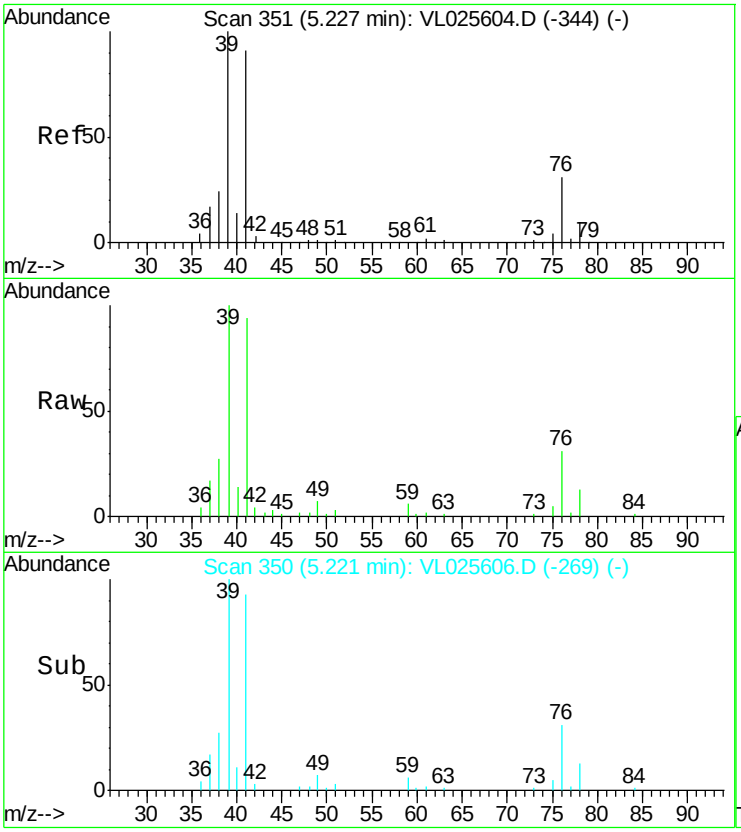


#20
Methylene Chloride
Concen: 1.26 ppbv
RT: 5.15 min Scan# 338
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 84 Resp: 53960

Ion	Ratio	Lower	Upper
84	100		
49	147.4	115.2	172.8
51	49.7	35.0	52.6
86	64.3	50.6	76.0

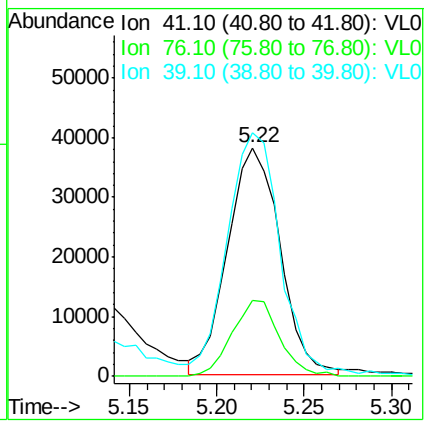




#21
Allvl Chloride
Concen: 1.23 ppbv
RT: 5.22 min Scan# 350
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 41 Resp: 79332

Ion	Ratio	Lower	Upper
41	100		
76	30.5	26.6	40.0
39	114.3	88.2	132.4



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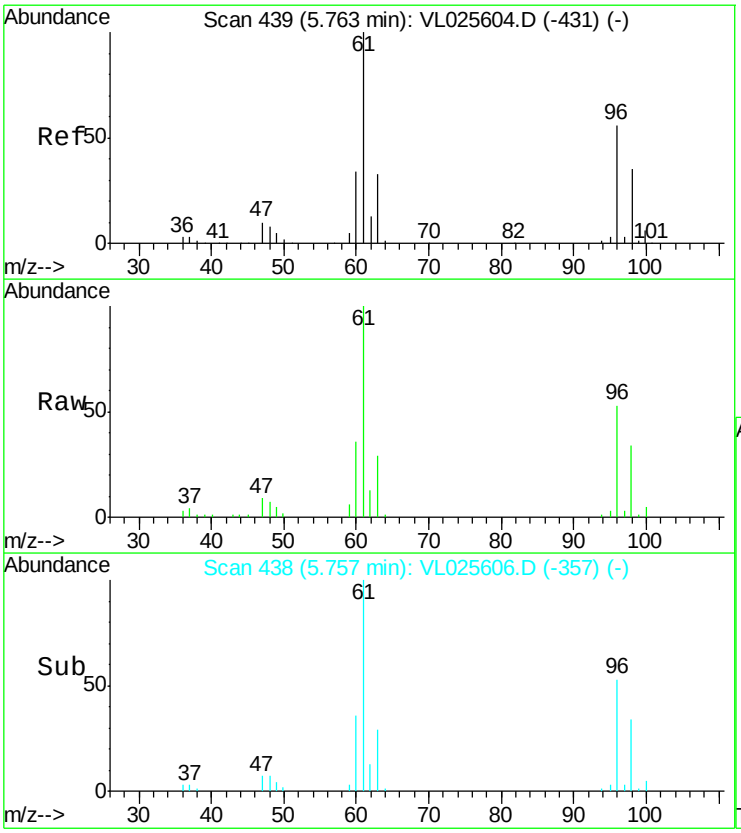
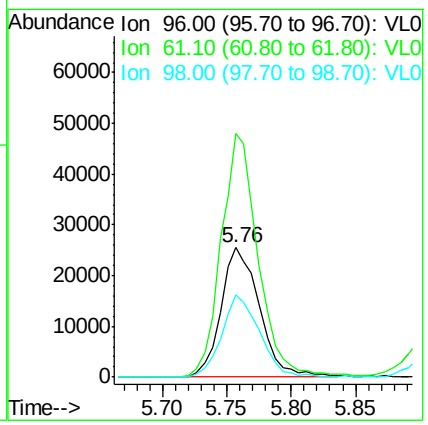
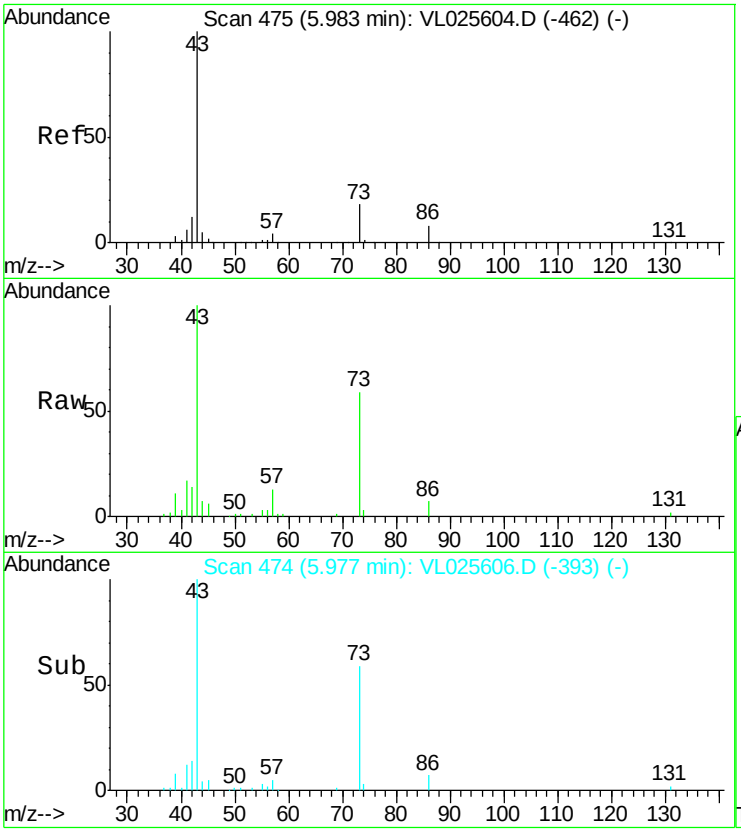


#22
trans-1,2-Dichloroethene
Concen: 1.12 ppbv
RT: 5.76 min Scan# 438
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 96 Resp: 53313

Ion	Ratio	Lower	Upper
96	100		
61	186.9	141.8	212.6
98	63.6	49.0	73.6

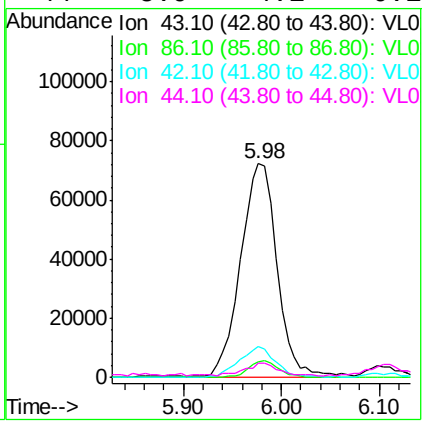




#23
Vinyl Acetate
Concen: 1.08 ppbv
RT: 5.98 min Scan# 474
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 43 Resp: 187428

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.7	10.1
42	14.3	9.8	14.6
44	5.9	4.1	6.1



Instrument :
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ClientSampleId :
VSTDICC001

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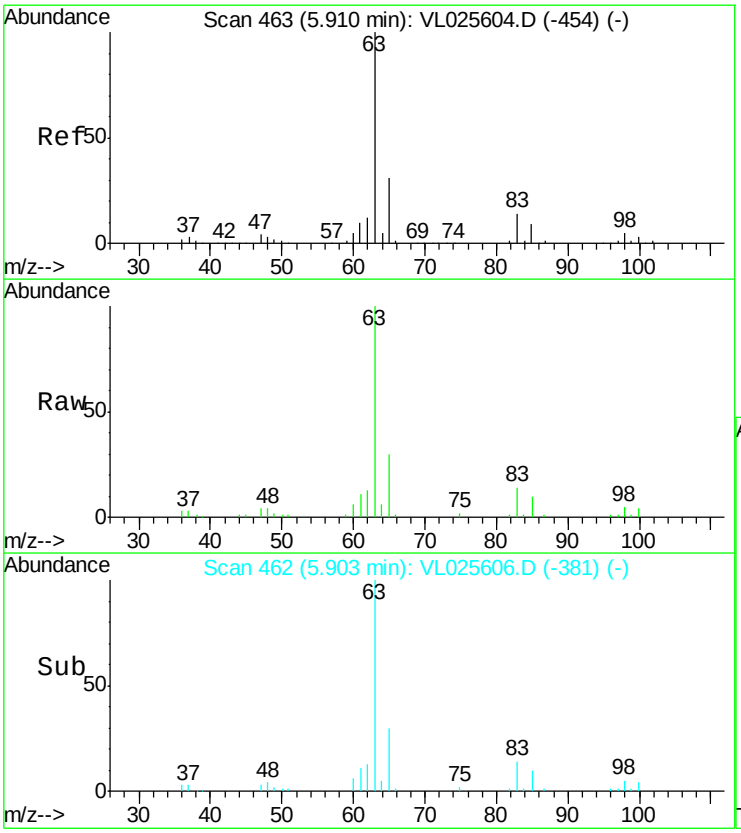
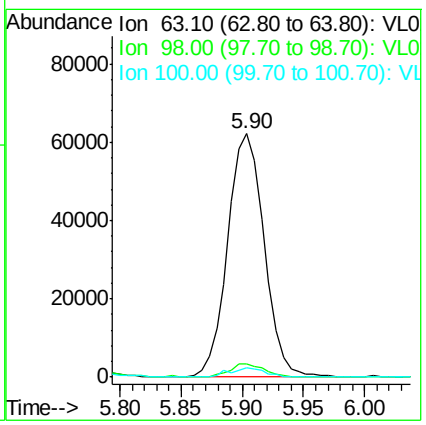
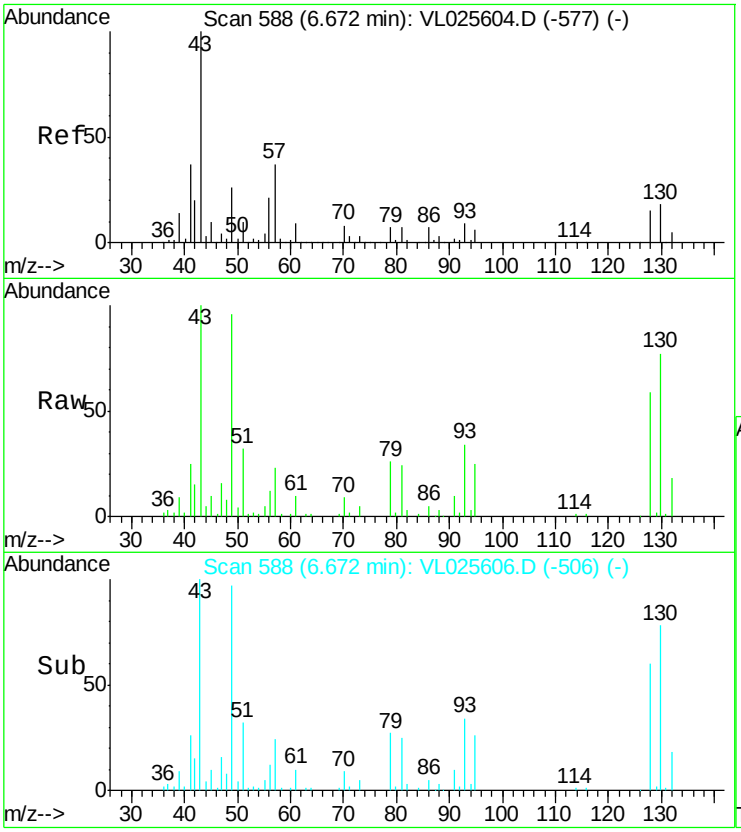


#24
1,1-Dichloroethane
Concen: 1.14 ppbv
RT: 5.90 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 63 Resp: 128651

Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.6	8.0
100	3.8	1.6	4.7

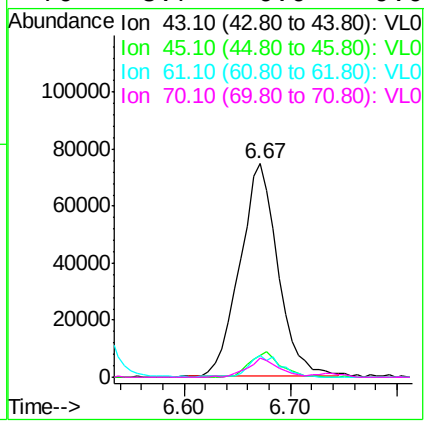




#25
Ethyl Acetate
Concen: 1.05 ppbv
RT: 6.67 min Scan# 588
Delta R.T. -0.00 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 43 Resp: 186782

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.5	11.3
61	8.9	6.6	10.0
70	8.7	6.0	9.0



Instrument :
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ClientSampleId :
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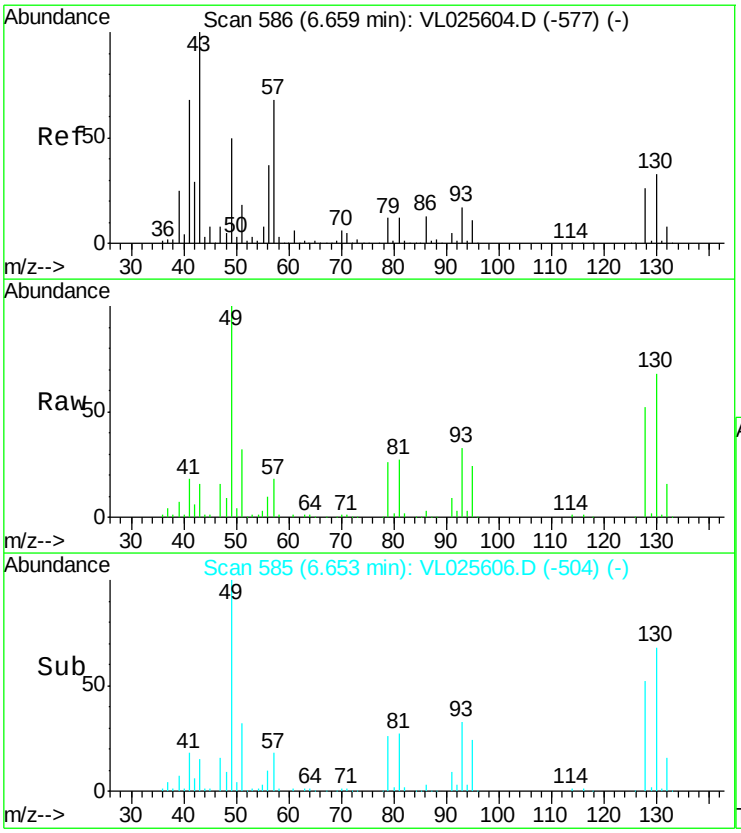
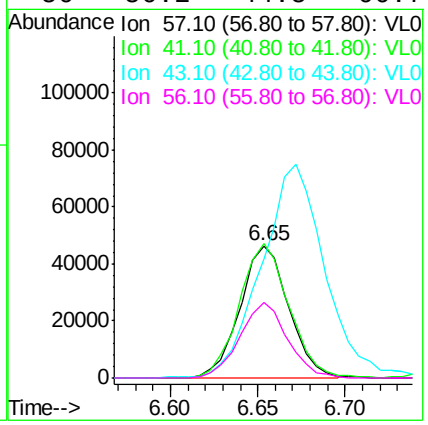
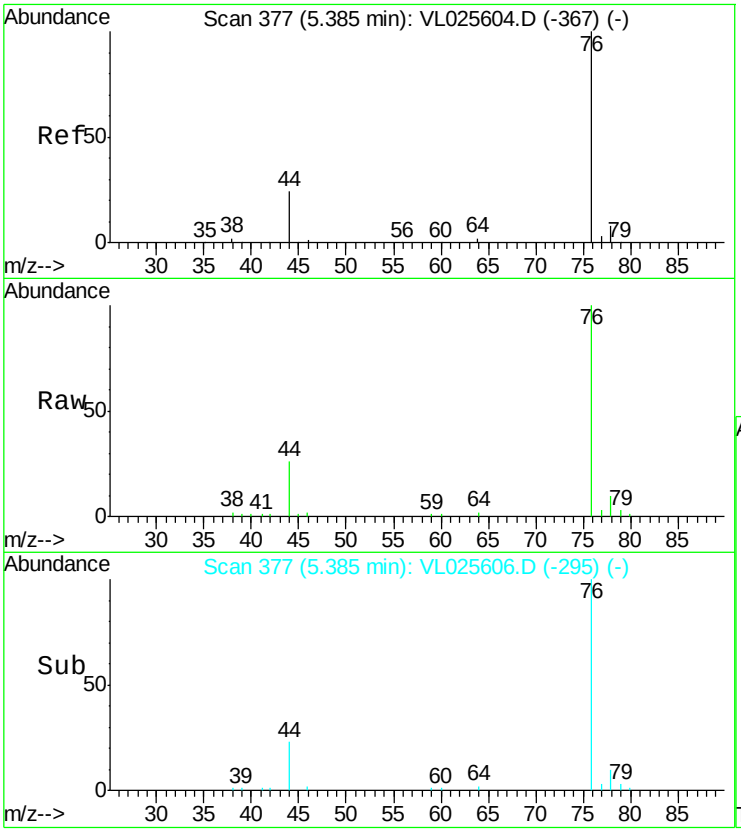


#26
Hexane
Concen: 1.07 ppbv
RT: 6.65 min Scan# 585
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 57 Resp: 89242

Ion	Ratio	Lower	Upper
57	100		
41	104.5	81.4	122.2
43	217.1	171.4	257.2
56	56.2	44.5	66.7

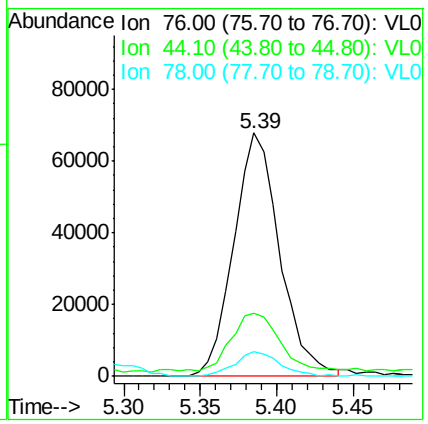




#27
Carbon Disulfide
Concen: 1.23 ppbv
RT: 5.39 min Scan# 377
Delta R.T. -0.00 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 76 Resp: 141830

Ion	Ratio	Lower	Upper
76	100		
44	30.6	20.2	30.4#
78	9.7	7.4	11.2



Instrument :
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ClientSampleId :
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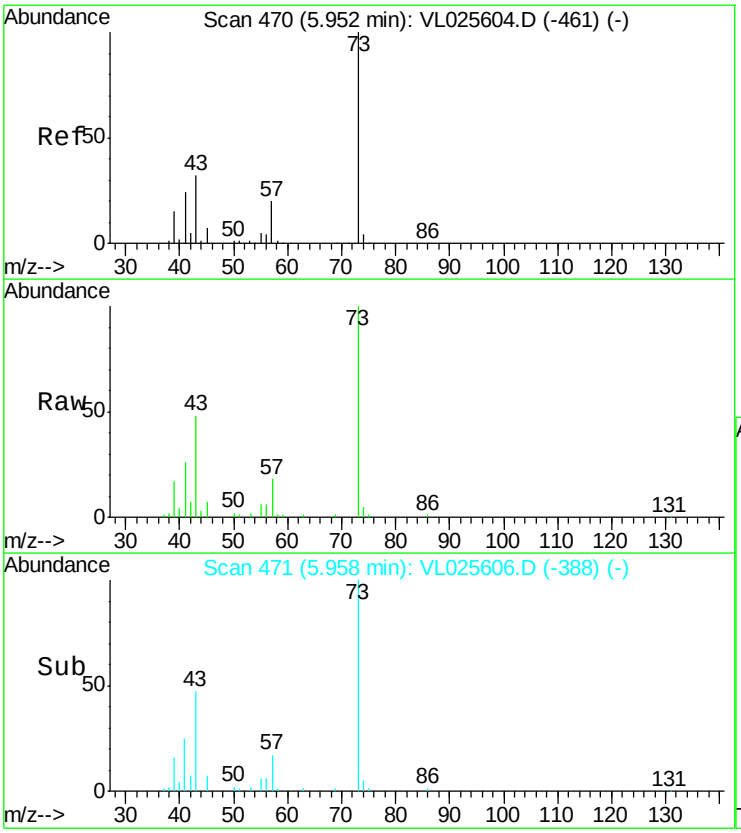
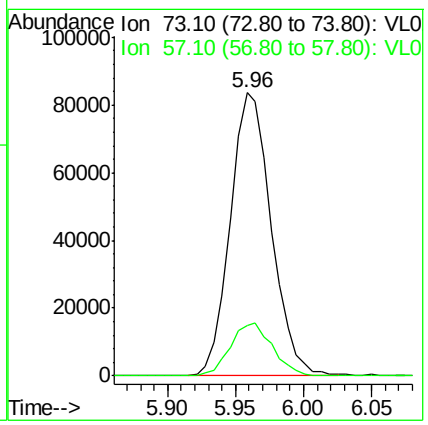
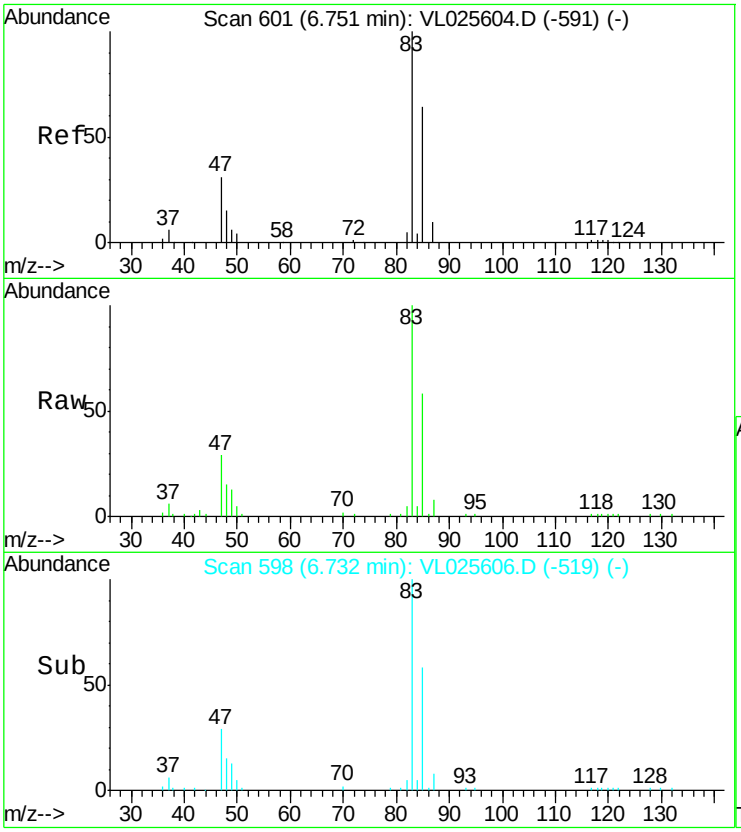


#28
Methyl tert-Butyl Ether
Concen: 1.13 ppbv
RT: 5.96 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 73 Resp: 175706

Ion	Ratio	Lower	Upper
73	100		
57	19.1	16.0	24.0

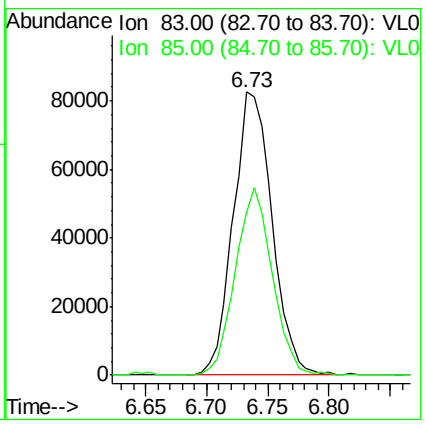




#29
Chloroform
Concen: 1.31 ppbv
RT: 6.73 min Scan# 598
Delta R.T. -0.02 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 83 Resp: 182502

Ion	Ratio	Lower	Upper
83	100		
85	57.7	51.6	77.4



Instrument :
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ClientSampleId :
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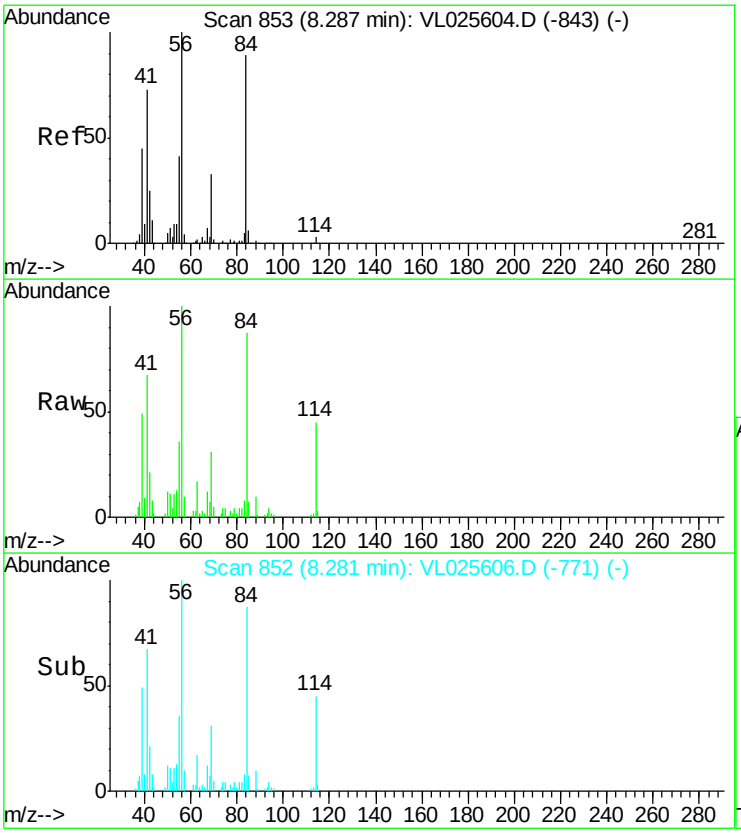
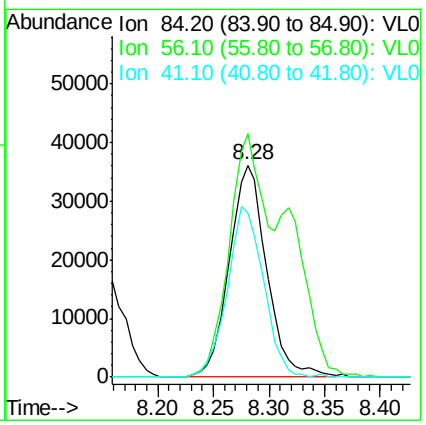
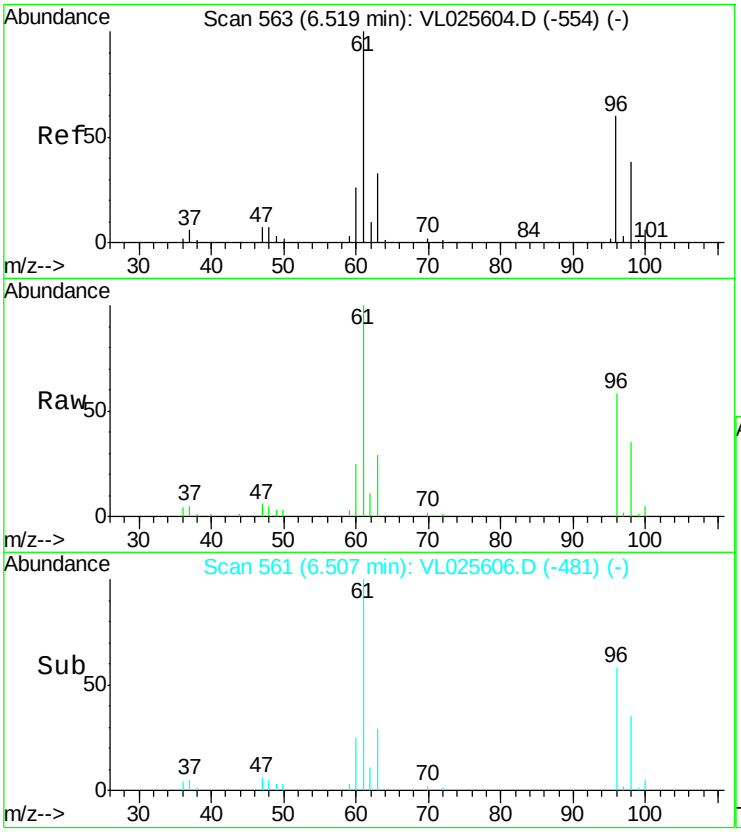


#30
Cyclohexane
Concen: 1.11 ppbv
RT: 8.28 min Scan# 852
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 84 Resp: 84457

Ion	Ratio	Lower	Upper
84	100		
56	174.4	97.5	146.3#
41	77.7	65.4	98.2

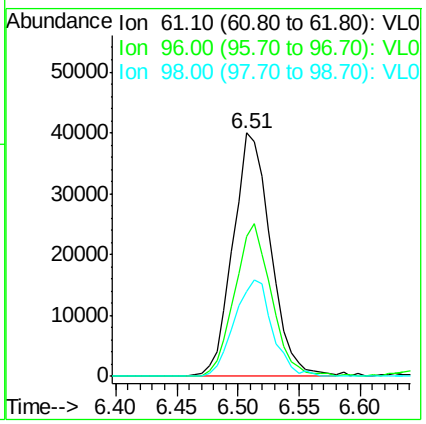




#31
cis-1,2-Dichloroethene
Concen: 1.07 ppbv
RT: 6.51 min Scan# 561
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 61 Resp: 85615

Ion	Ratio	Lower	Upper
61	100		
96	57.5	48.1	72.1
98	34.8	30.7	46.1



Instrument :
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ClientSampleId :
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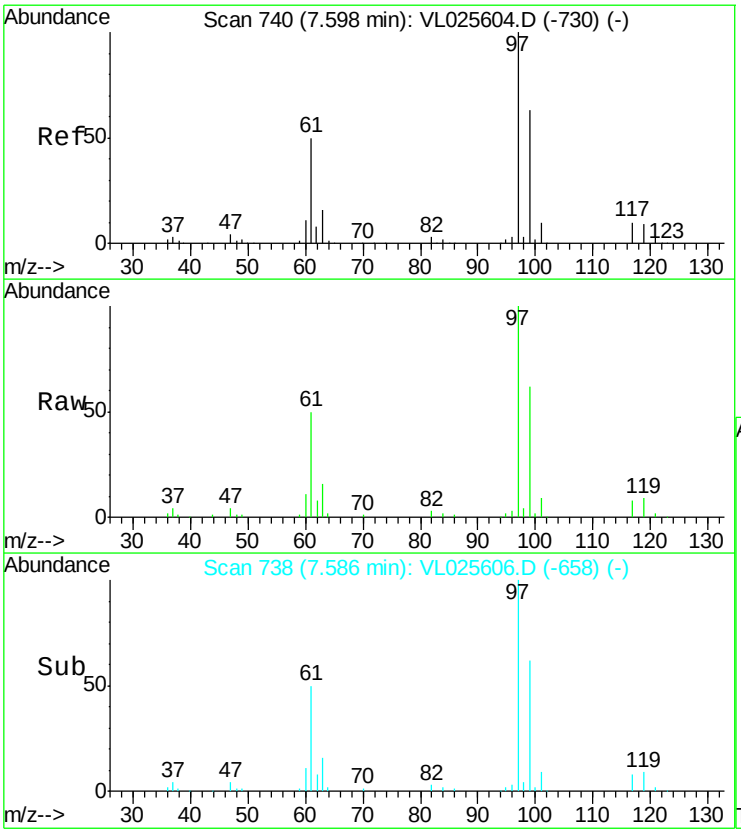
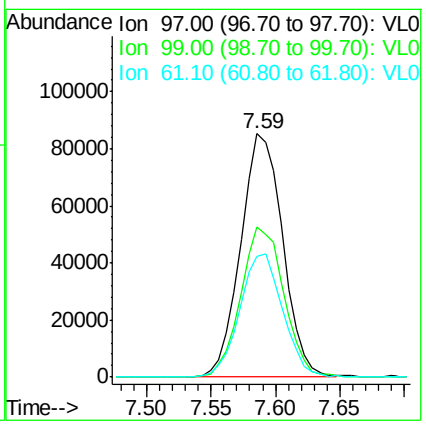
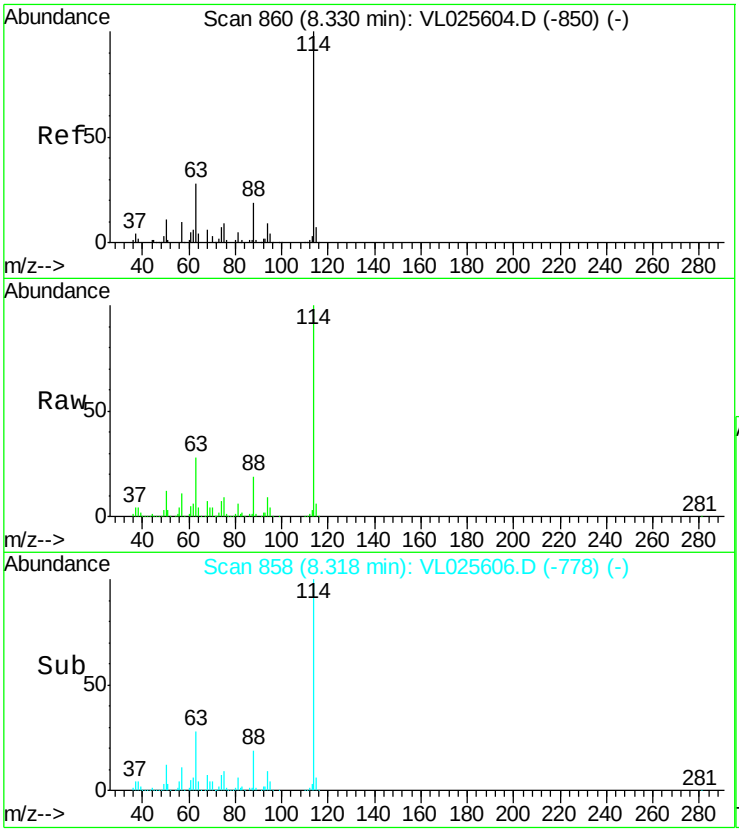


#32
1,1,1-Trichloroethane
Concen: 1.23 ppbv
RT: 7.59 min Scan# 738
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 97 Resp: 192819

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	51.5	40.4	60.6

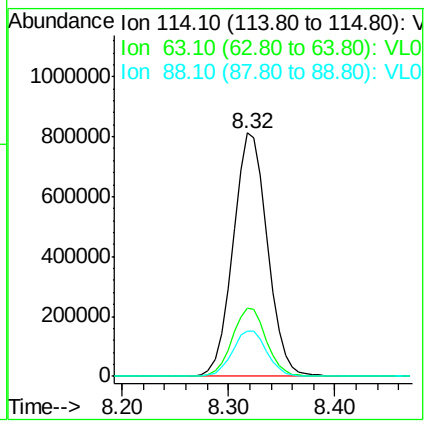




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.32 min Scan# 858
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:114 Resp: 1834367

Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.4	33.6
88	18.9	15.0	22.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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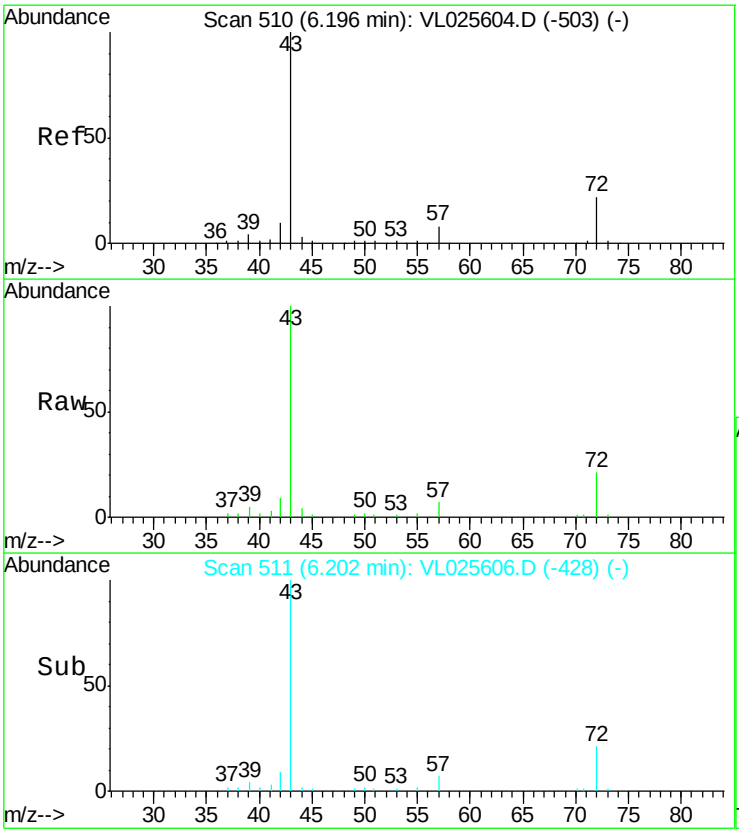
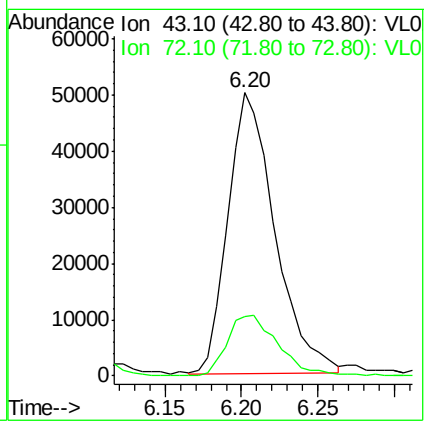
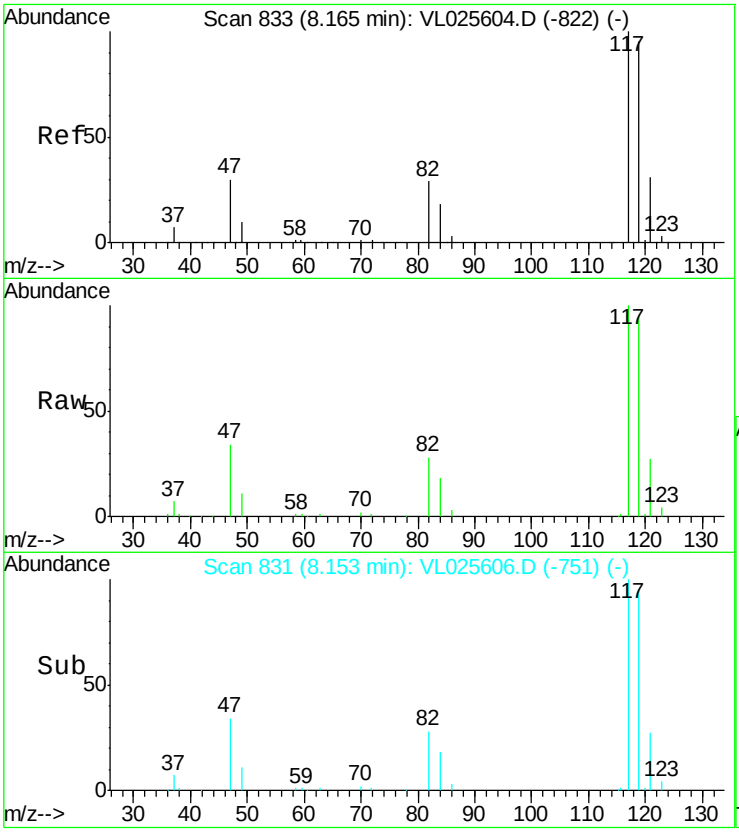


#34
2-Butanone
Concen: 0.98 ppbv
RT: 6.20 min Scan# 511
Delta R.T. 0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 43 Resp: 106984

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.6	28.0

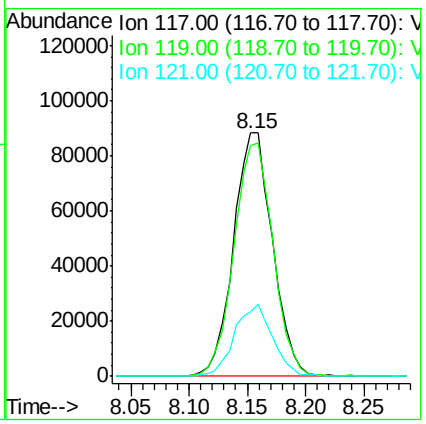




#35
Carbon Tetrachloride
Concen: 1.24 ppbv
RT: 8.15 min Scan# 831
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:117 Resp: 205788

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.9	113.9
121	26.6	24.4	36.6



Instrument :
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ClientSampleId :
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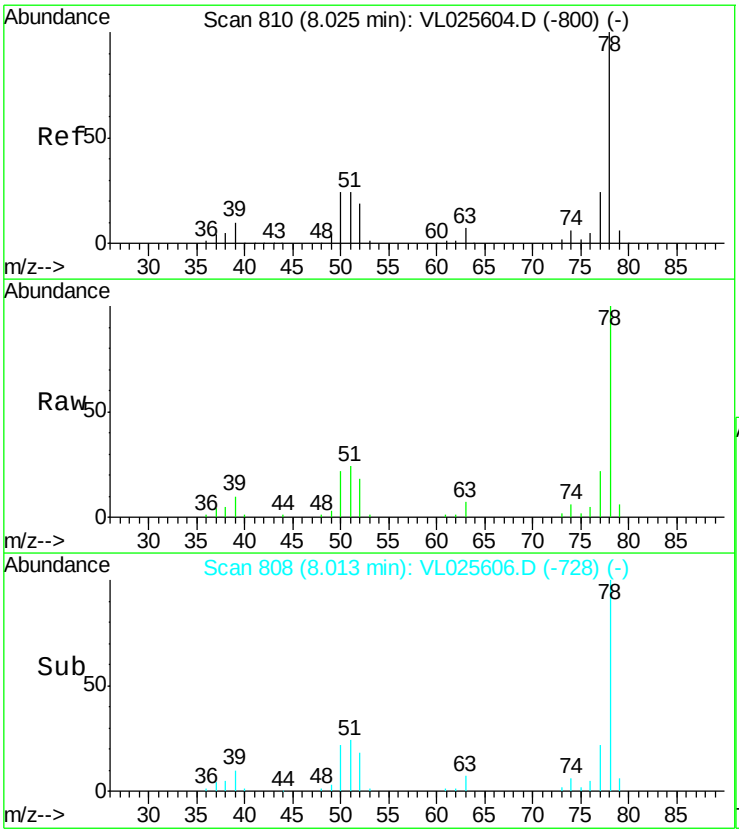
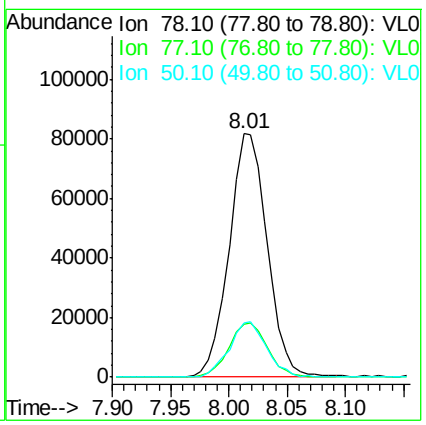
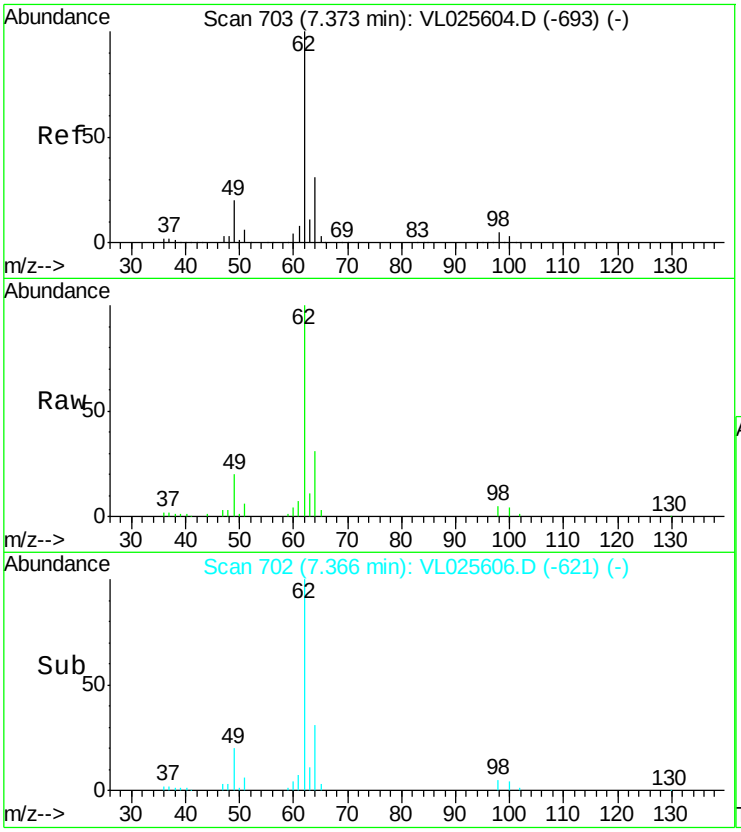


#36
Benzene
Concen: 1.03 ppbv
RT: 8.01 min Scan# 808
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 78 Resp: 186454

Ion	Ratio	Lower	Upper
78	100		
77	21.9	19.0	28.4
50	22.2	19.2	28.8

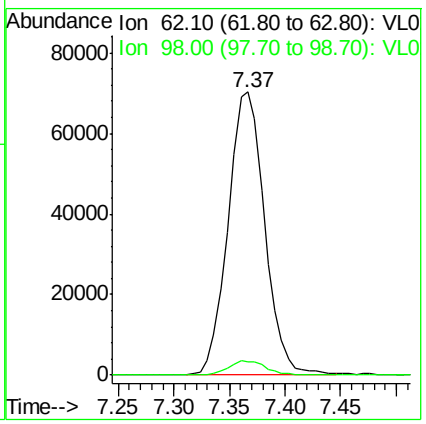




#37
1,2-Dichloroethane
Concen: 1.27 ppbv
RT: 7.37 min Scan# 702
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 62 Resp: 160584

Ion	Ratio	Lower	Upper
62	100		
98	5.0	4.1	6.1



Instrument :
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ClientSampleId :
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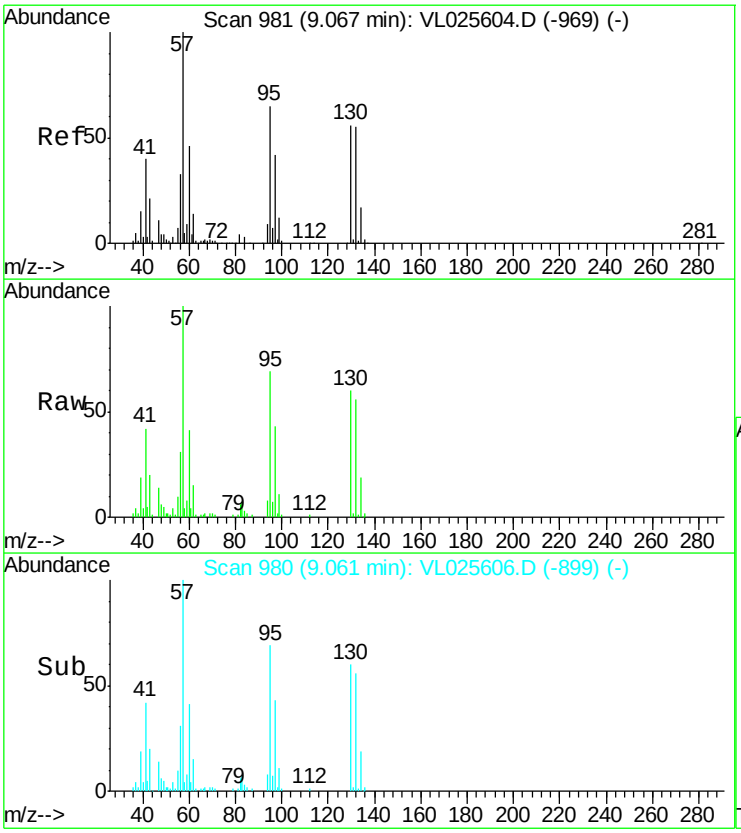
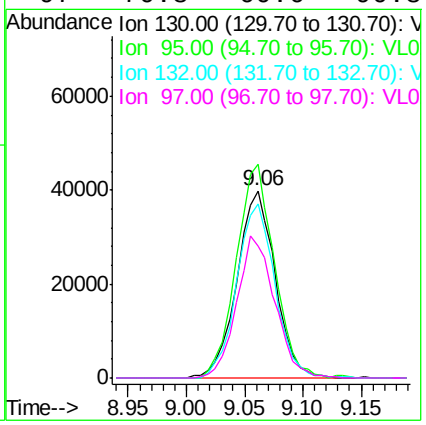
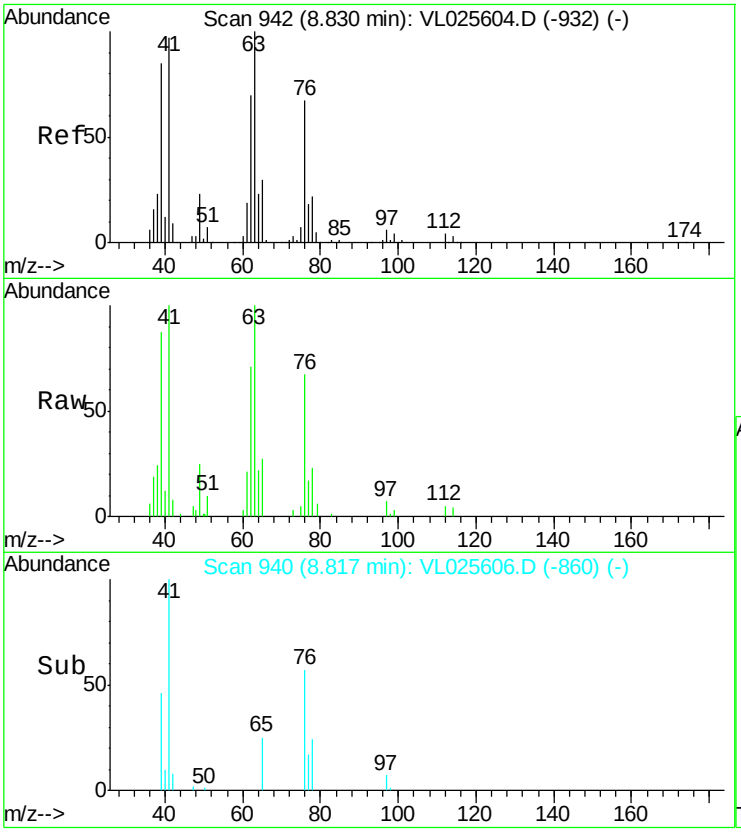


#38
Trichloroethene
Concen: 1.16 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:130 Resp: 91047

Ion	Ratio	Lower	Upper
130	100		
95	114.3	94.2	141.4
132	93.4	78.6	118.0
97	70.8	60.6	90.8

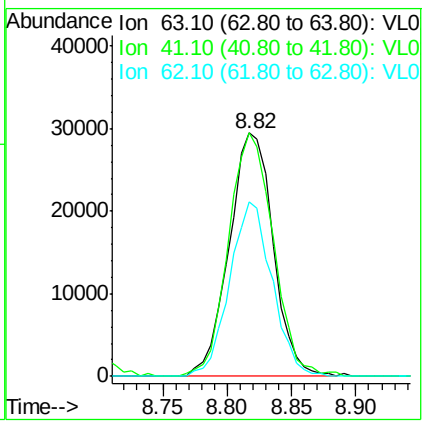




#39
1,2-Dichloropropane
Concen: 1.04 ppbv
RT: 8.82 min Scan# 940
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 63 Resp: 69931

Ion	Ratio	Lower	Upper
63	100		
41	98.5	78.0	117.0
62	71.5	55.7	83.5



Instrument :
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ClientSampleId :
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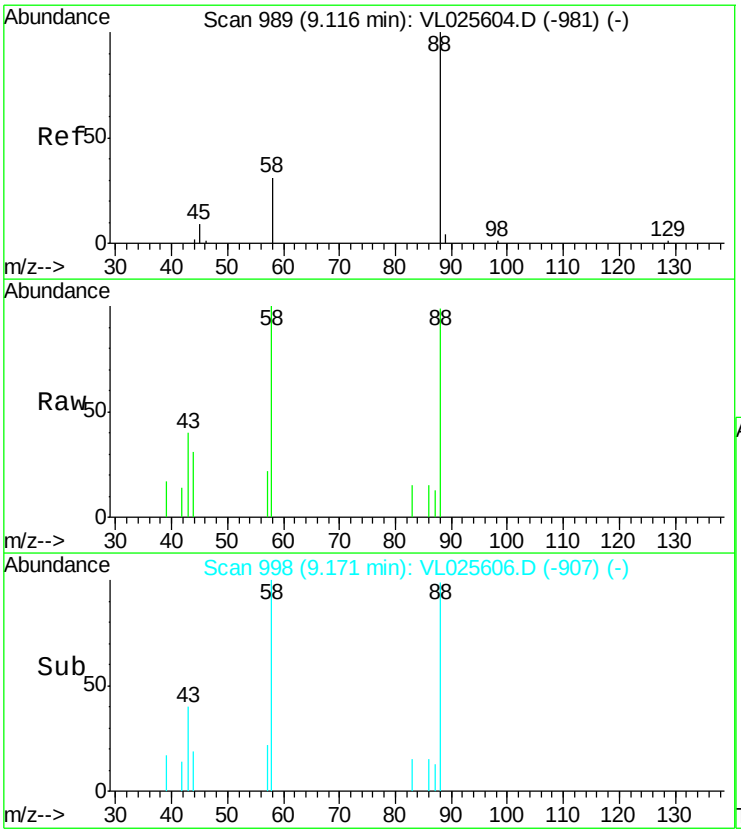
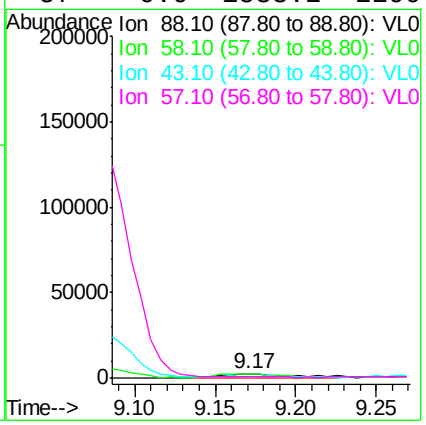
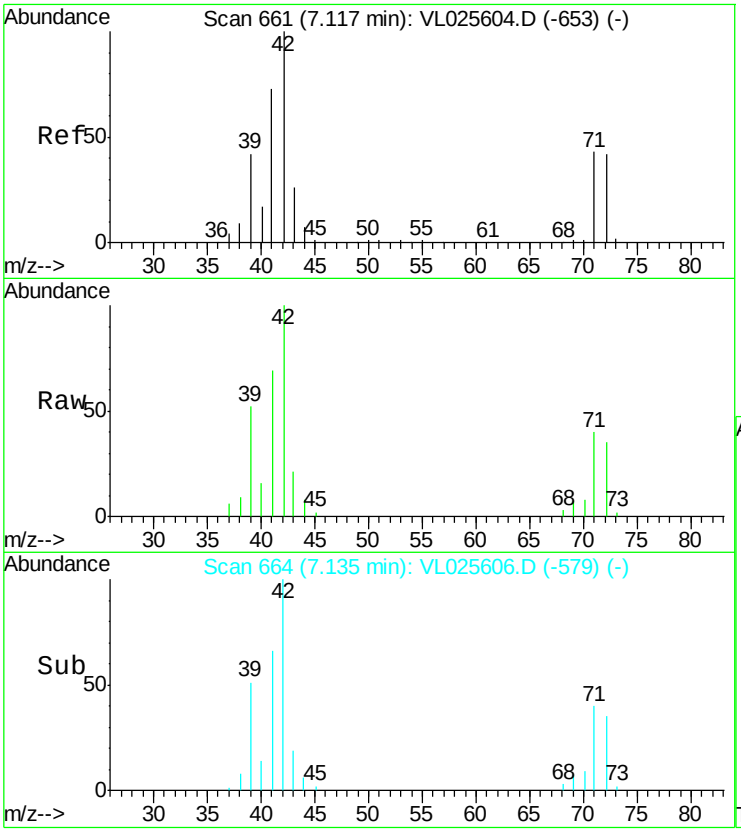


#40
1,4-Dioxane
Concen: 0.59 ppbv m
RT: 9.17 min Scan# 998
Delta R.T. 0.05 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 88 Resp: 8840

Ion	Ratio	Lower	Upper
88	100		
58	86.8	127.1	190.7#
43	0.0	337.7	506.5#
57	0.0	1533.2	2299.8#

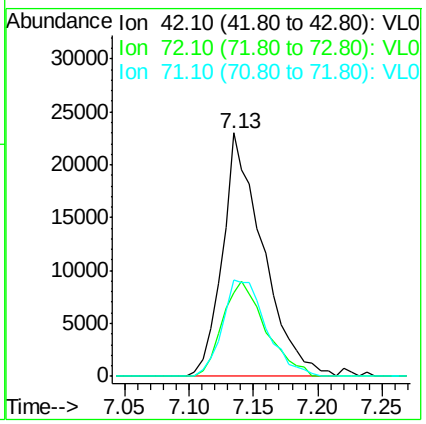




#41
Tetrahydrofuran
Concen: 0.86 ppbv
RT: 7.13 min Scan# 664
Delta R.T. 0.02 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 42 Resp: 50464

Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.0	51.0
71	42.9	33.0	49.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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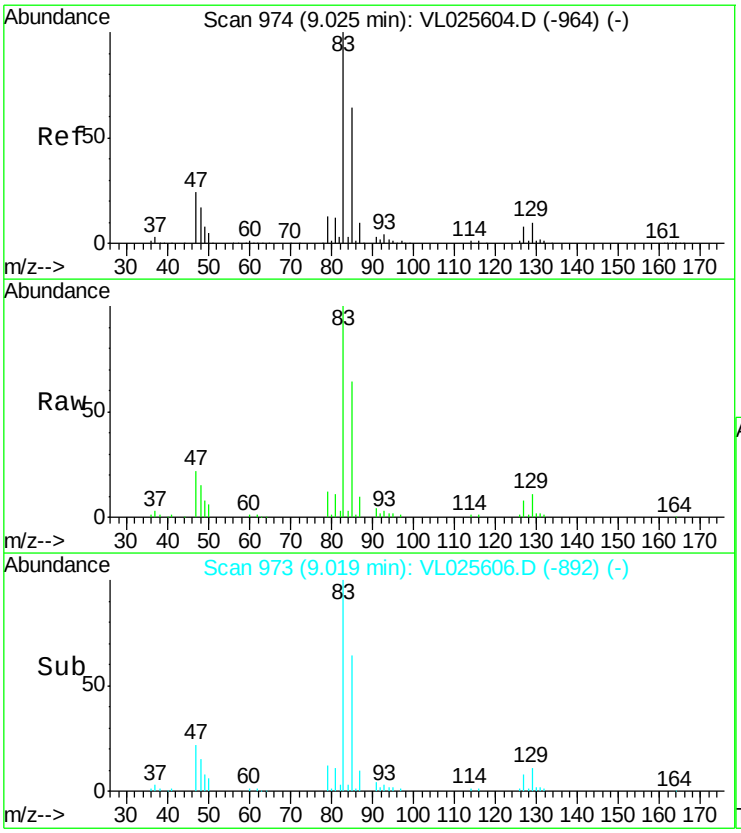
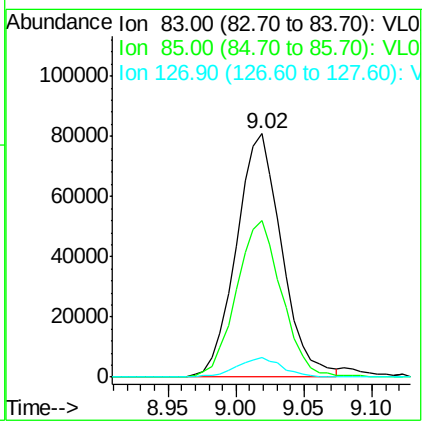
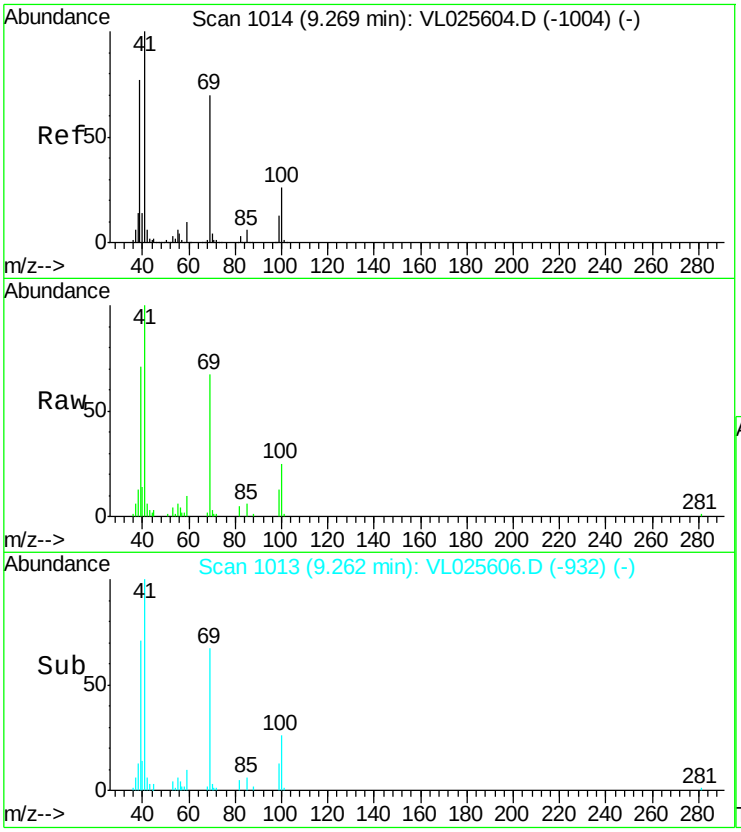


#42
Bromodichloromethane
Concen: 1.20 ppbv
RT: 9.02 min Scan# 973
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 83 Resp: 189253

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.3	76.9
127	7.9	6.0	9.0

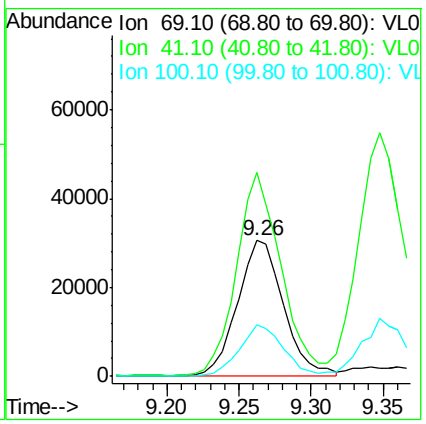




#43
Methyl Methacrylate
Concen: 1.01 ppbv
RT: 9.26 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 69 Resp: 67869

Ion	Ratio	Lower	Upper
69	100		
41	145.6	117.3	175.9
100	36.0	29.0	43.6



Instrument :
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ClientSampleId :
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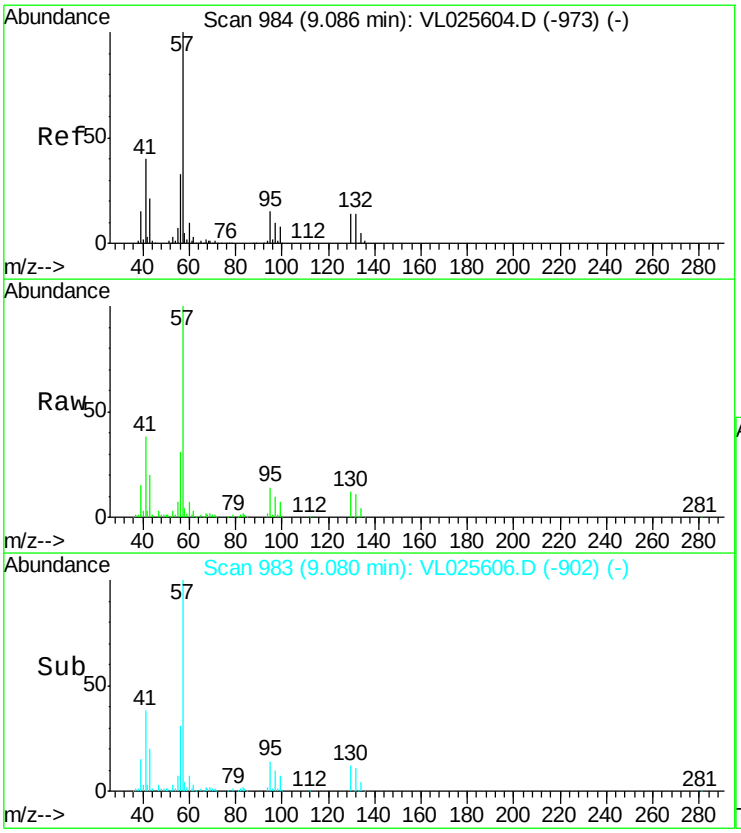
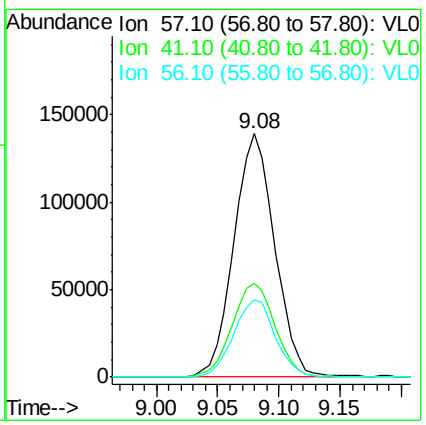
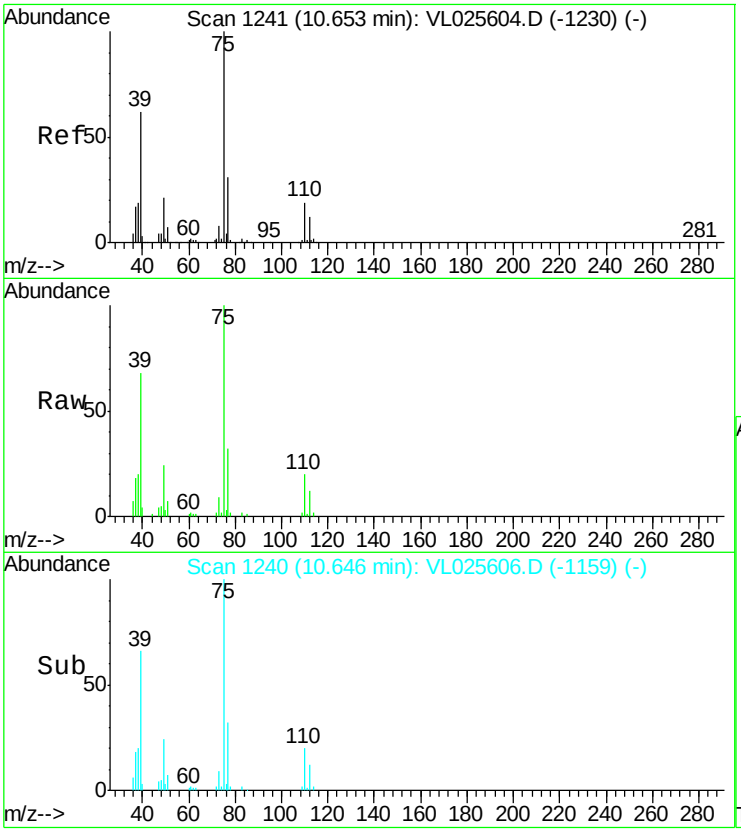


#44
2,2,4-Trimethylpentane
Concen: 1.03 ppbv
RT: 9.08 min Scan# 983
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 57 Resp: 322549

Ion	Ratio	Lower	Upper
57	100		
41	40.6	31.2	46.8
56	32.6	25.4	38.2

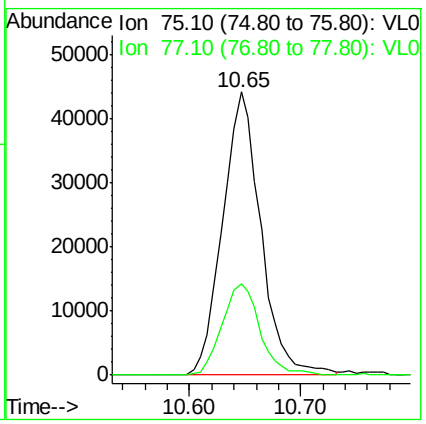




#45
t-1,3-Dichloropropene
Concen: 1.00 ppbv
RT: 10.65 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 75 Resp: 105391

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.6	37.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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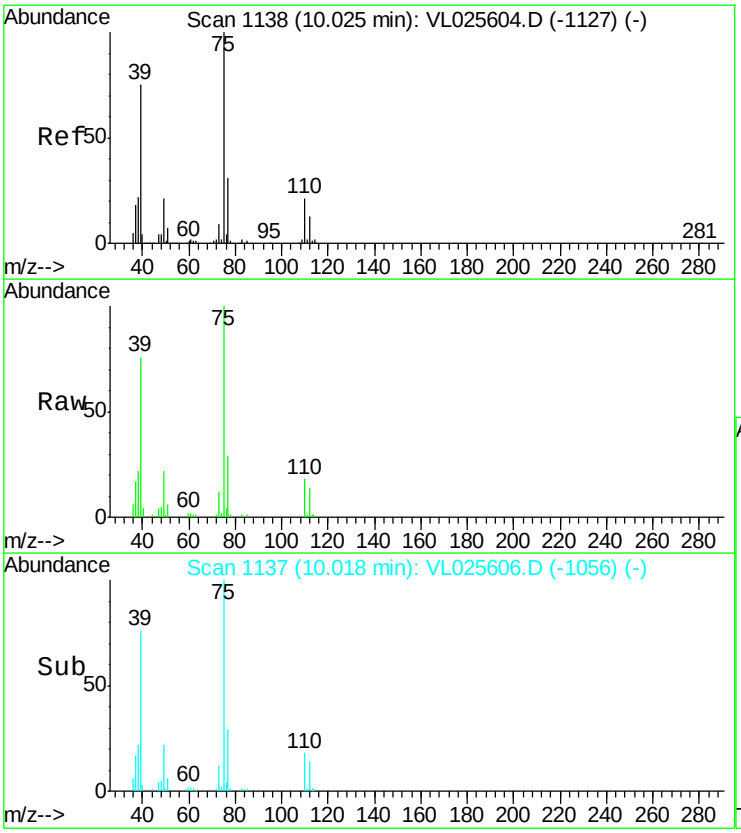
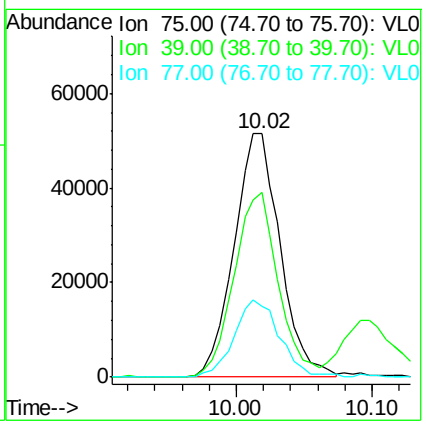
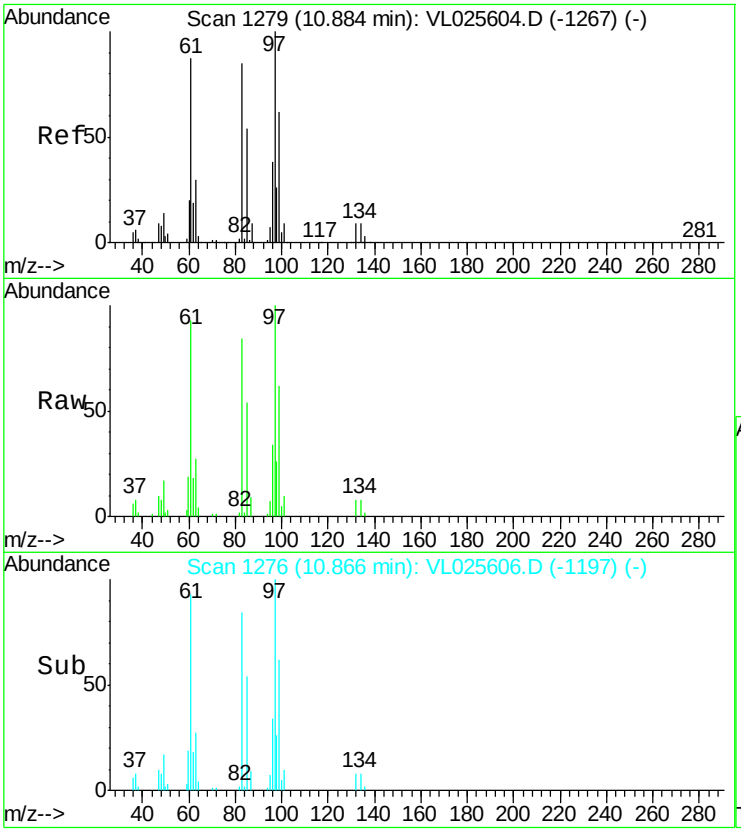


#46
cis-1,3-Dichloropropene
Concen: 0.99 ppbv
RT: 10.02 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 75 Resp: 121713

Ion	Ratio	Lower	Upper
75	100		
39	76.0	60.4	90.6
77	29.2	24.6	37.0

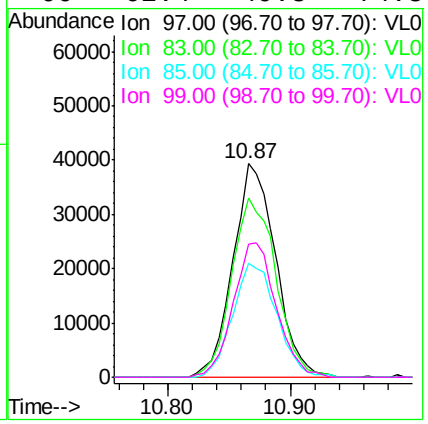




#47
1,1,2-Trichloroethane
Concen: 1.13 ppbv
RT: 10.87 min Scan# 1276
Delta R.T. -0.02 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 97 Resp: 95178

Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.8	101.8
85	53.6	43.5	65.3
99	62.4	49.8	74.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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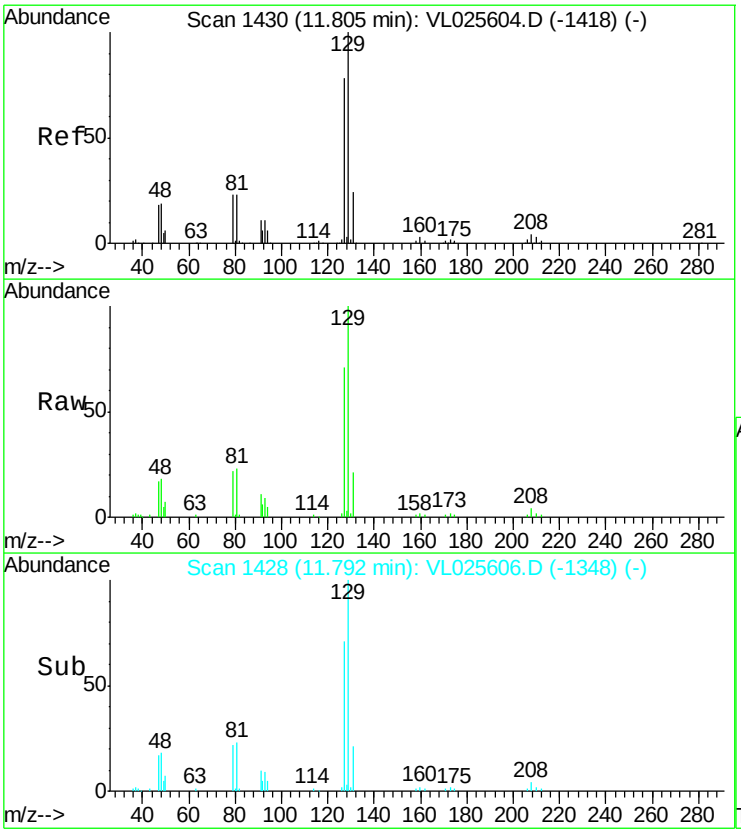
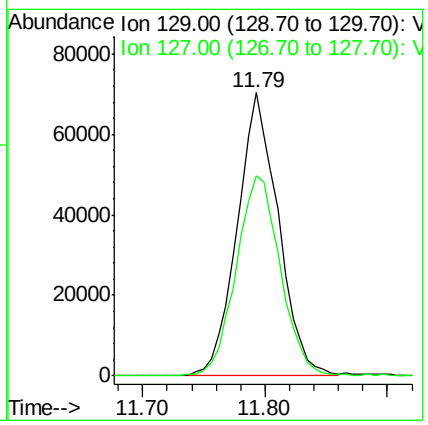
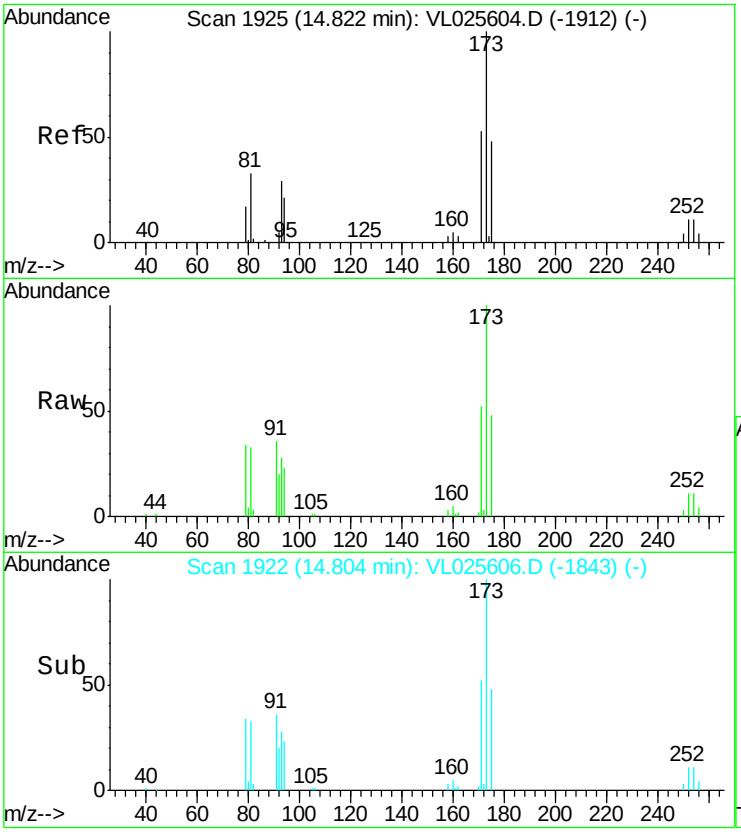


#48
Dibromochloromethane
Concen: 1.21 ppbv
RT: 11.79 min Scan# 1428
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:129 Resp: 163646

Ion	Ratio	Lower	Upper
129	100		
127	76.0	39.0	116.9

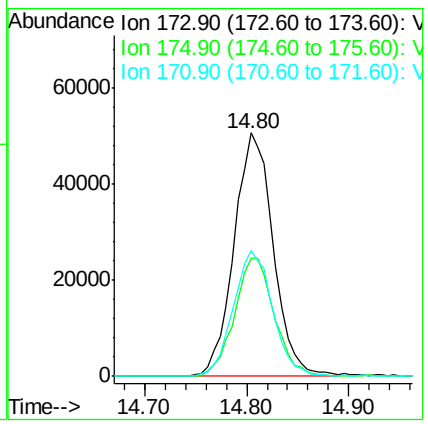




#49
Bromoform
Concen: 1.24 ppbv
RT: 14.80 min Scan# 1922
Delta R.T. -0.02 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:173 Resp: 134682

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.5	59.3
171	51.9	42.2	63.2



Instrument :
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ClientSampleId :
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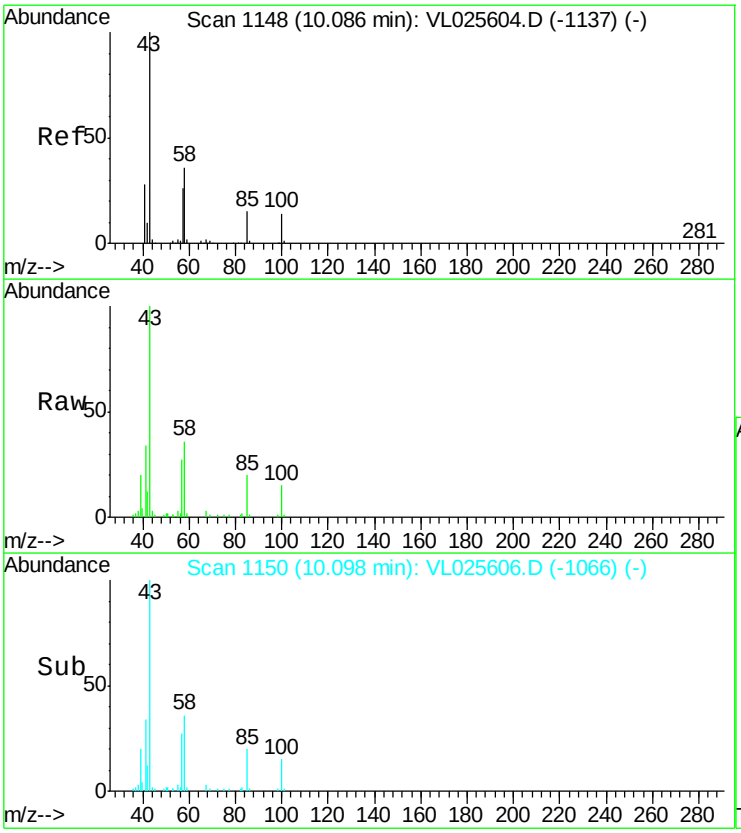
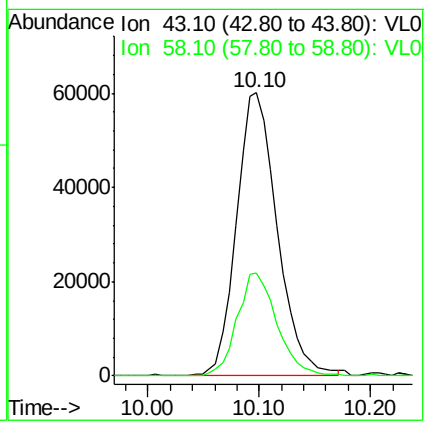
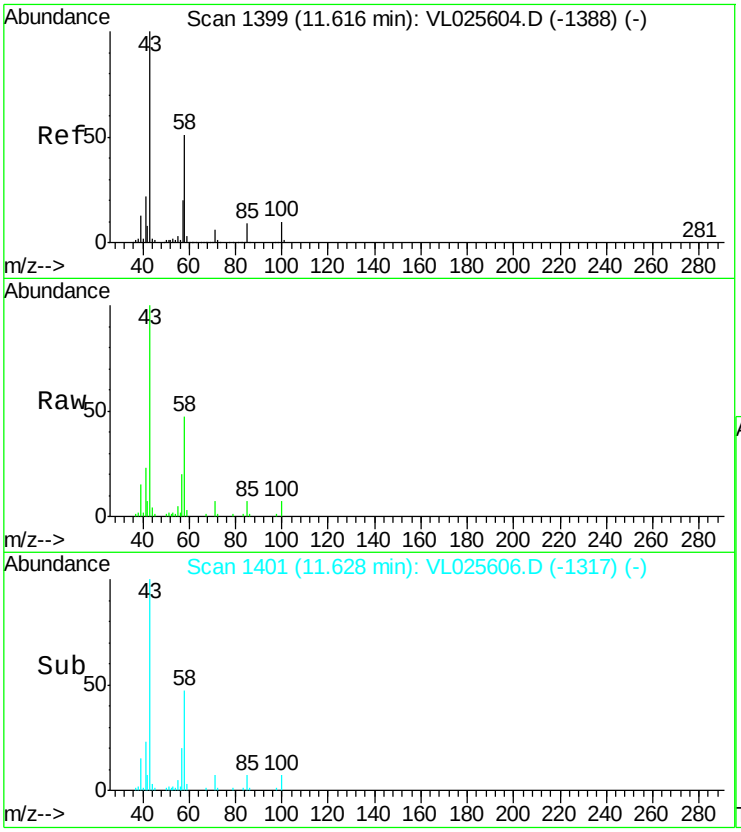


#50
4-Methyl-2-Pentanone
Concen: 1.03 ppbv
RT: 10.10 min Scan# 1150
Delta R.T. 0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 43 Resp: 152592

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.5	42.7





#51
2-Hexanone
Concen: 0.94 ppbv
RT: 11.63 min Scan# 1401
Delta R.T. 0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 43 Resp: 124467

Ion	Ratio	Lower	Upper
43	100		
58	47.2	39.0	58.6
98	0.7	0.2	0.4#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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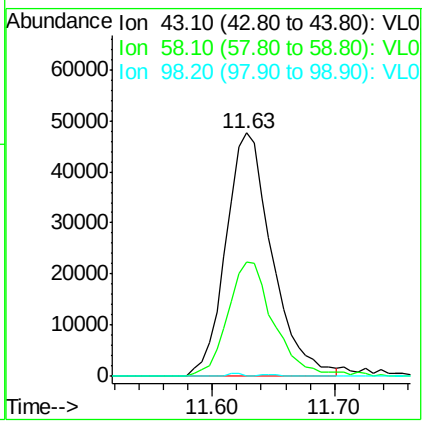
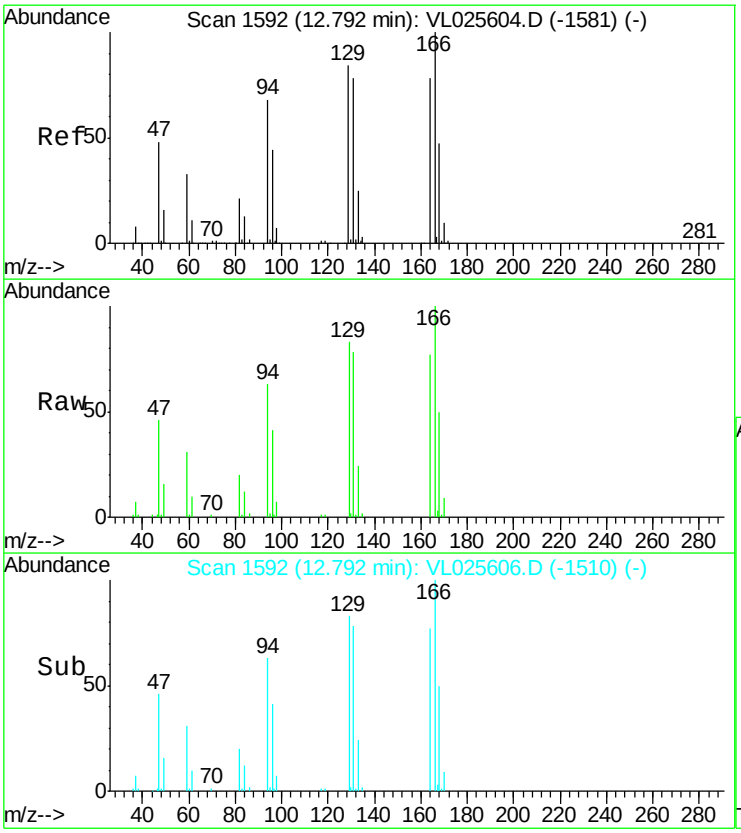
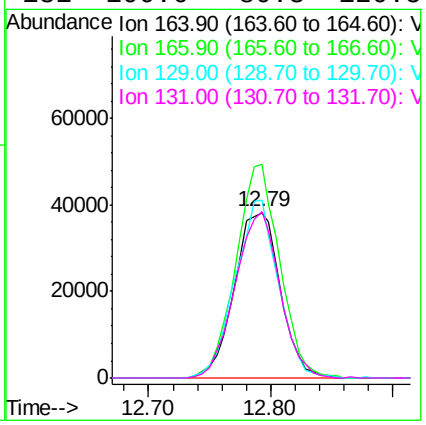


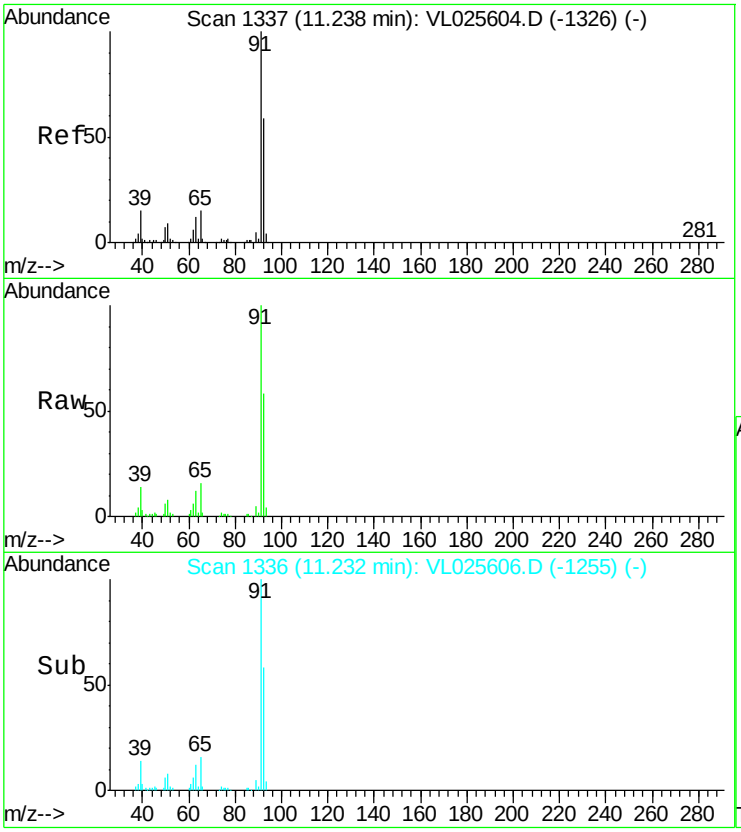


#52
Tetrachloroethene
Concen: 1.20 ppbv
RT: 12.79 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:164 Resp: 99632

Ion	Ratio	Lower	Upper
164	100		
166	129.1	102.3	153.5
129	107.2	86.2	129.4
131	100.6	80.3	120.5

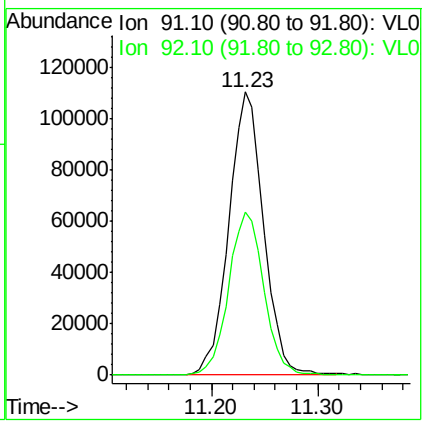




#53
Toluene
Concen: 1.06 ppbv
RT: 11.23 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 91 Resp: 251985

Ion	Ratio	Lower	Upper
91	100		
92	58.4	48.2	72.2



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ClientSampleId :
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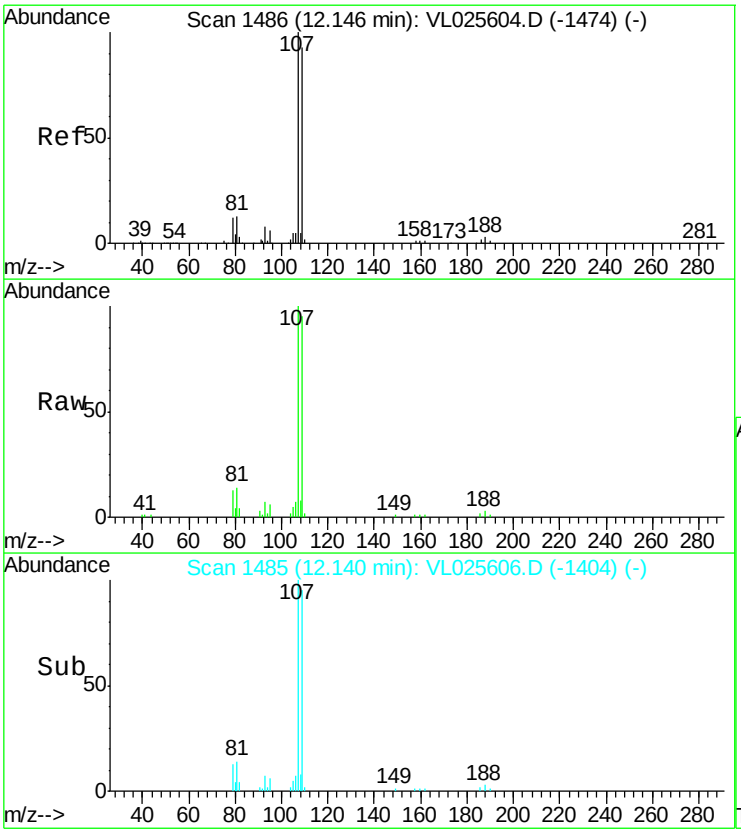
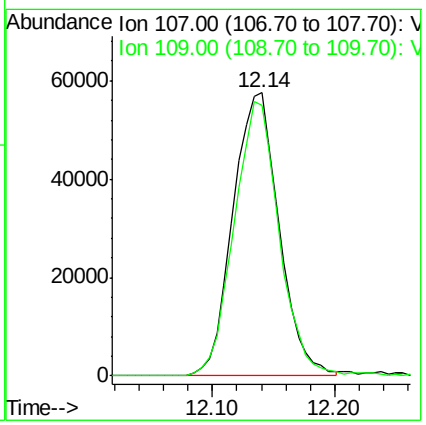
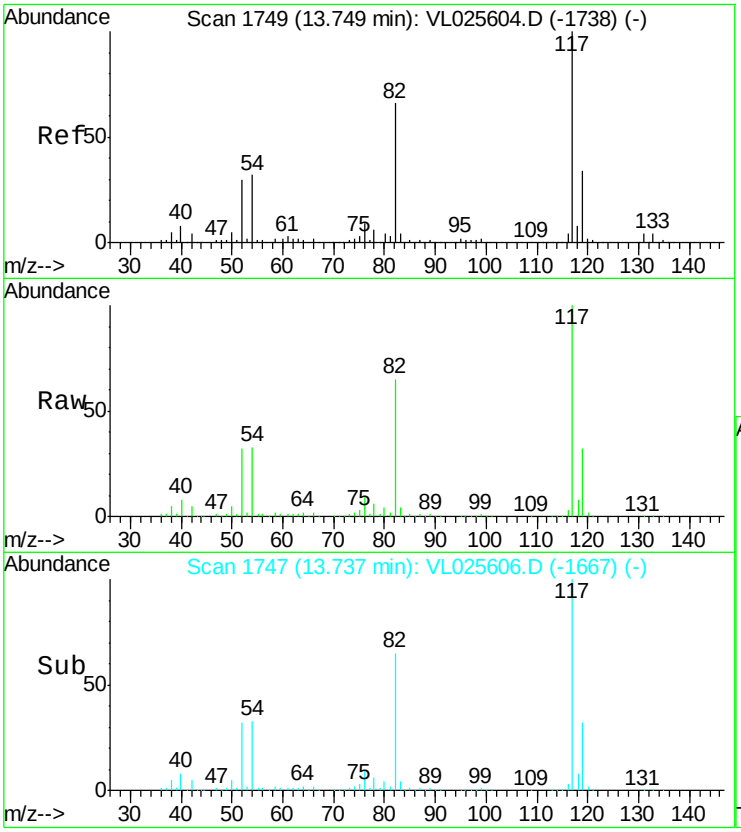


#54
1,2-Dibromoethane
Concen: 1.17 ppbv
RT: 12.14 min Scan# 1485
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:107 Resp: 150779

Ion	Ratio	Lower	Upper
107	100		
109	95.4	74.1	111.1





#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:117 Resp: 2322274

Ion	Ratio	Lower	Upper
117	100		
82	64.3	50.5	75.7
119	34.8	45.1	67.7#

Instrument :
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ClientSampleId :
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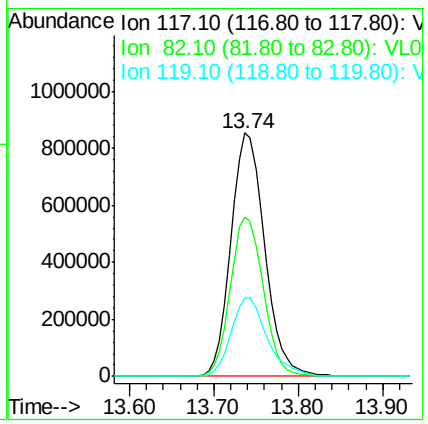
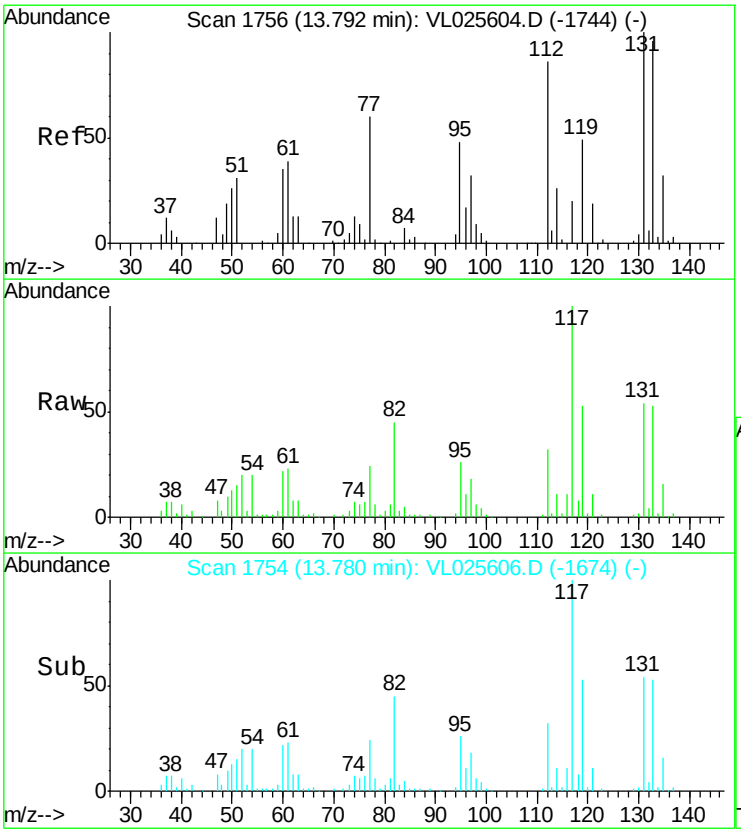
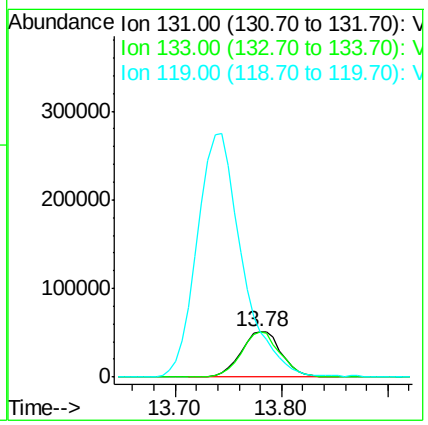


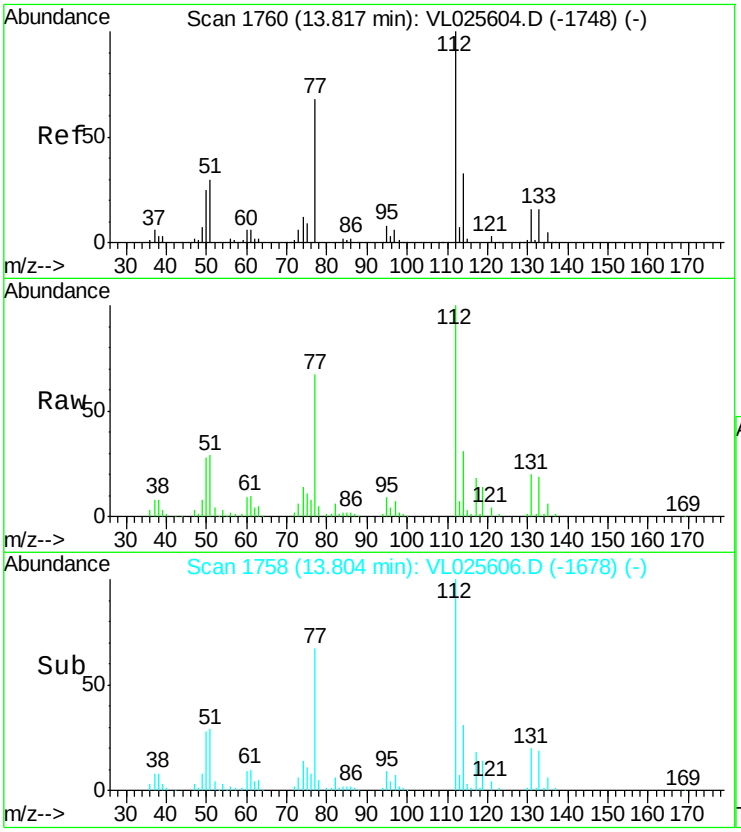


#56
1,1,1,2-Tetrachloroethane
Concen: 1.25 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:131 Resp: 138371

Ion	Ratio	Lower	Upper
131	100		
133	94.3	76.9	115.3
119	582.1	97.8	146.8#

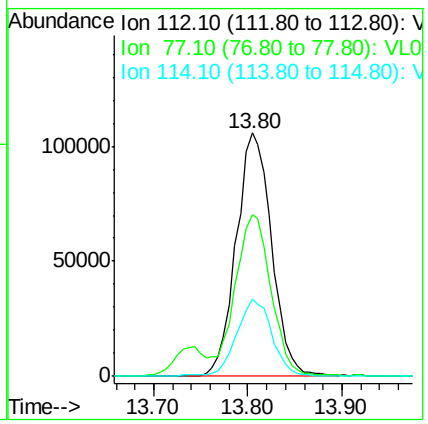




#57
Chlorobenzene
Concen: 1.22 ppbv
RT: 13.80 min Scan# 1758
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:112 Resp: 278406

Ion	Ratio	Lower	Upper
112	100		
77	66.3	55.2	82.8
114	31.6	29.4	36.0



Instrument :
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ClientSampleId :
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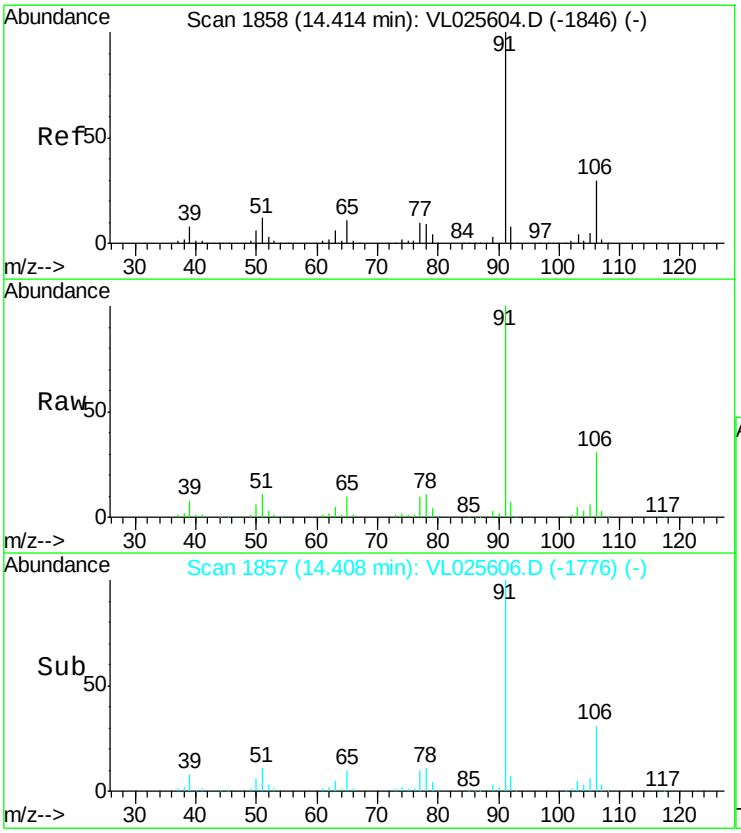
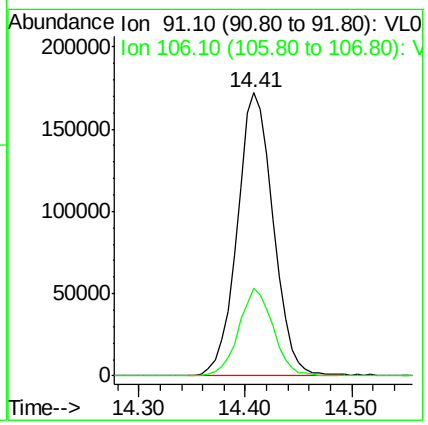
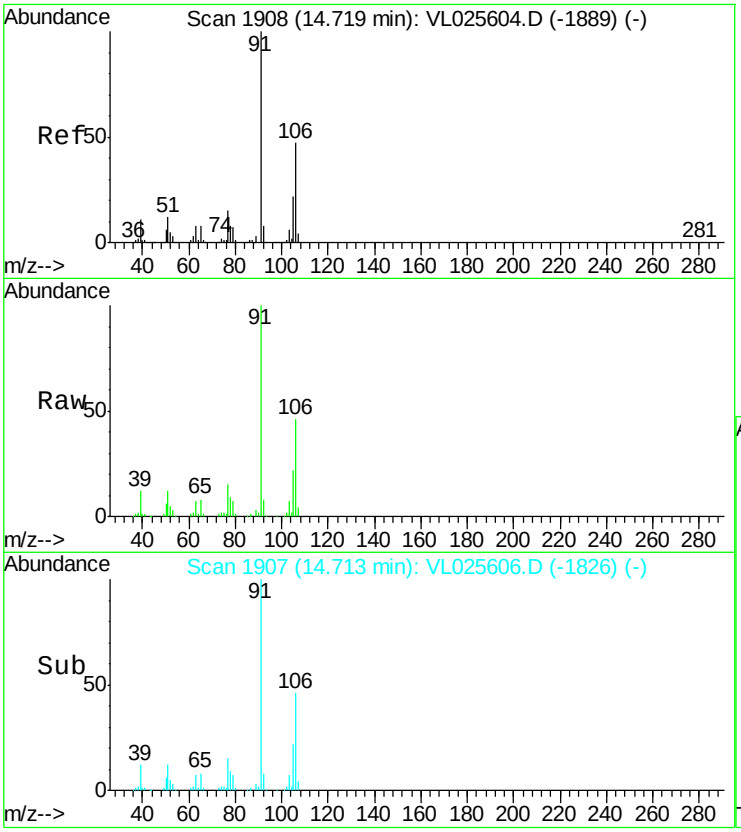


#58
Ethyl Benzene
Concen: 1.11 ppbv
RT: 14.41 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 91 Resp: 409510

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.2

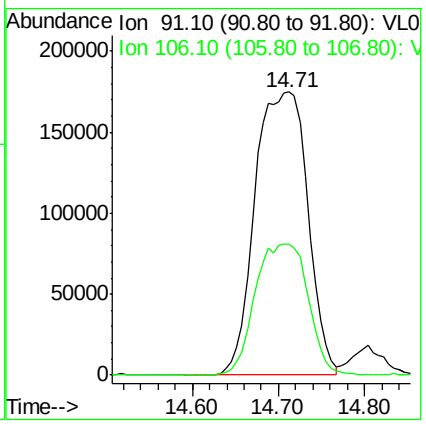




#59
m/p-Xylene
Concen: 2.40 ppbv m
RT: 14.71 min Scan# 1907
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 91 Resp: 741232

Ion	Ratio	Lower	Upper
91	100		
106	46.6	37.9	56.9



Instrument :
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ClientSampleId :
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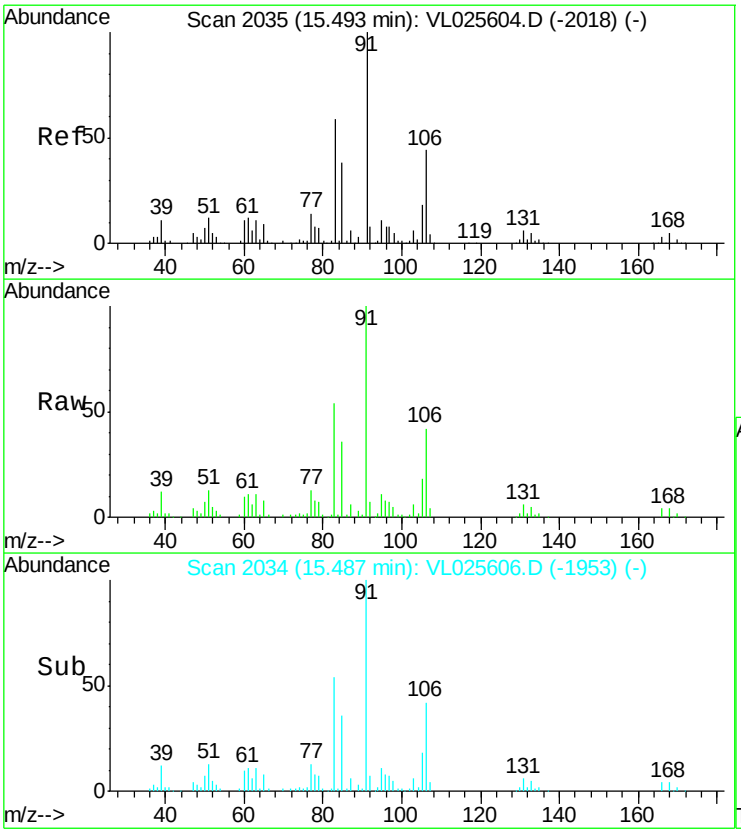
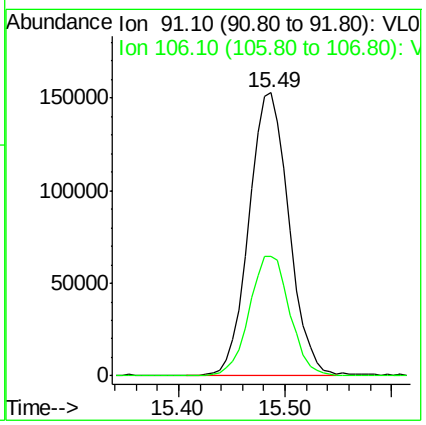
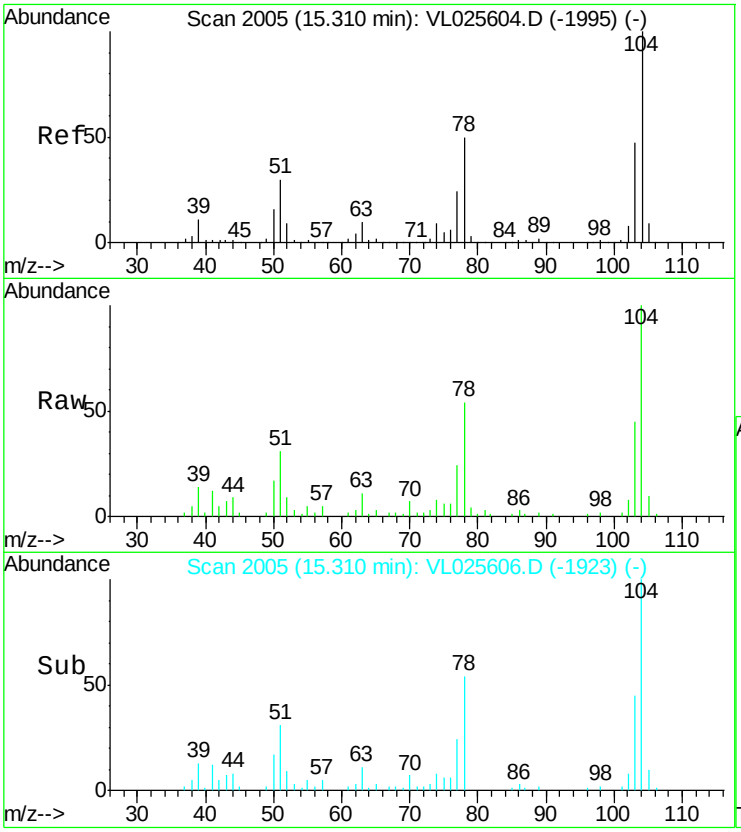


#60
o-Xylene
Concen: 1.23 ppbv
RT: 15.49 min Scan# 2034
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 91 Resp: 403205

Ion	Ratio	Lower	Upper
91	100		
106	42.7	22.1	66.1

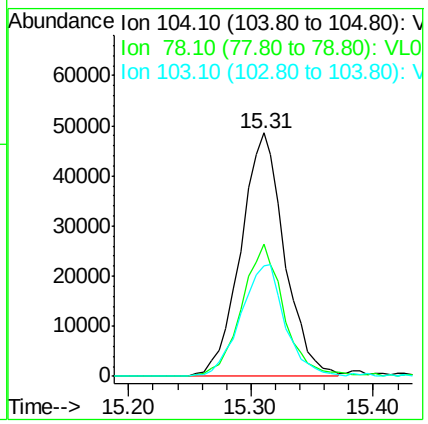




#61
Stvrene
Concen: 0.97 ppbv
RT: 15.31 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:104 Resp: 120886

Ion	Ratio	Lower	Upper
104	100		
78	52.8	40.2	60.4
103	46.7	37.4	56.2



Instrument :
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ClientSampleId :
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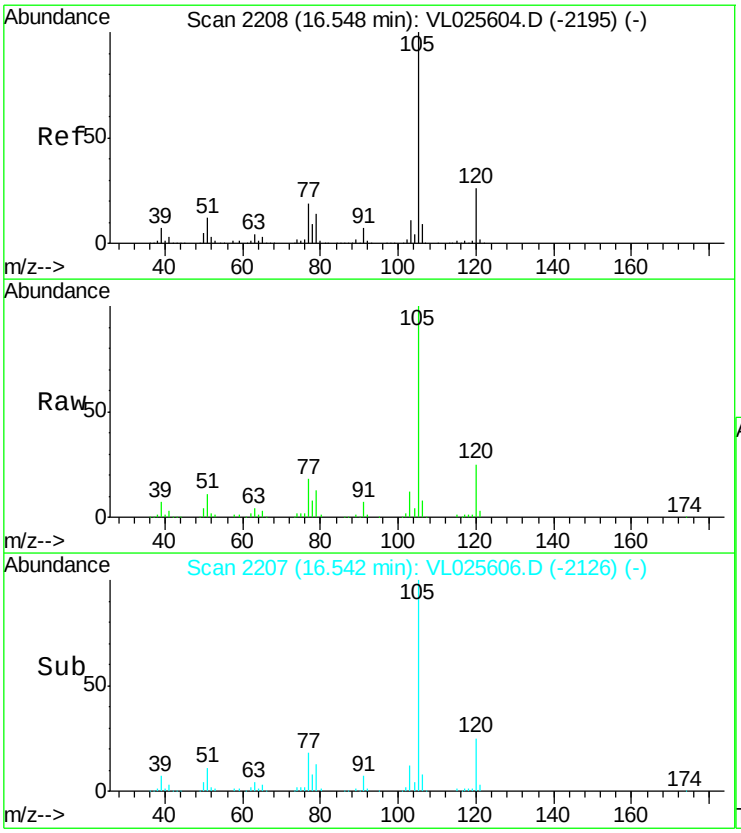
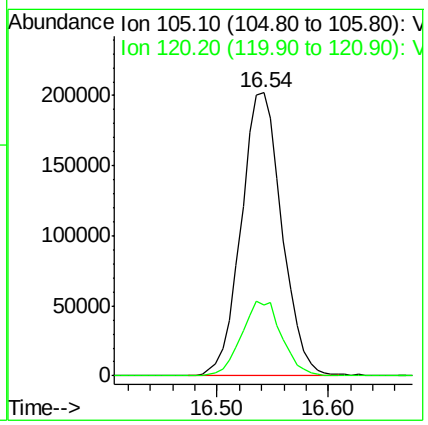
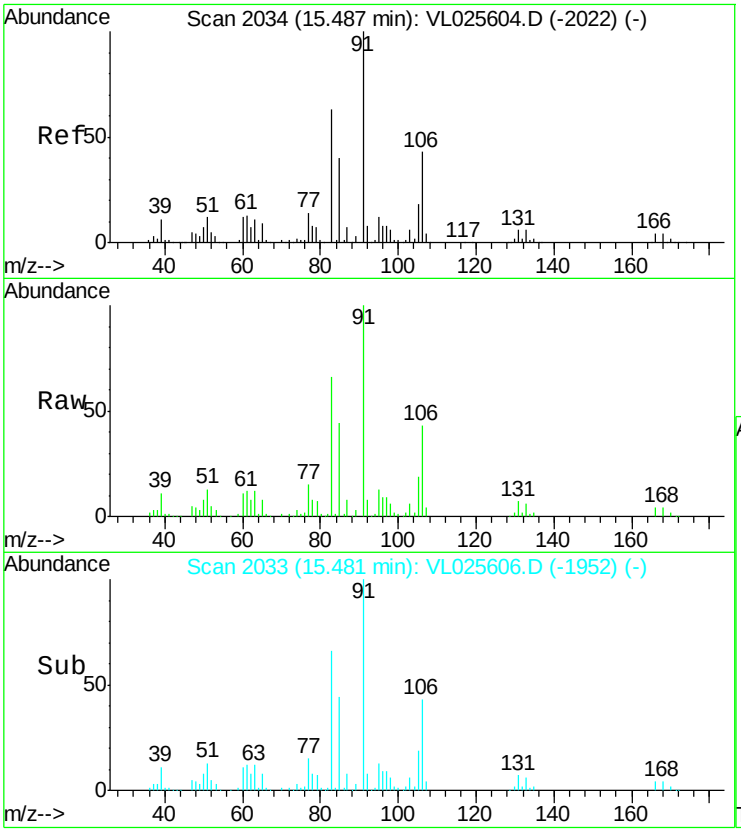


#62
Isopropylbenzene
Concen: 1.19 ppbv
RT: 16.54 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:105 Resp: 514056

Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.6	31.0

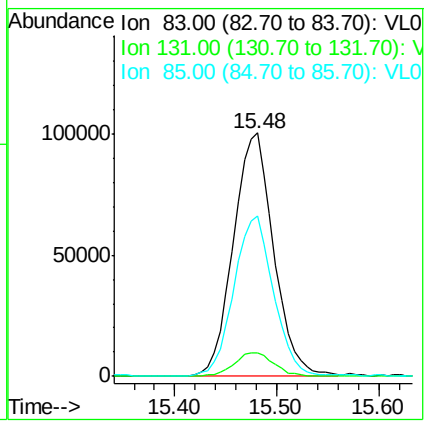




#63
1,1,2,2-Tetrachloroethane
Concen: 1.18 ppbv
RT: 15.48 min Scan# 2033
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 83 Resp: 275153

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	65.5	32.4	97.2



Instrument :
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ClientSampleId :
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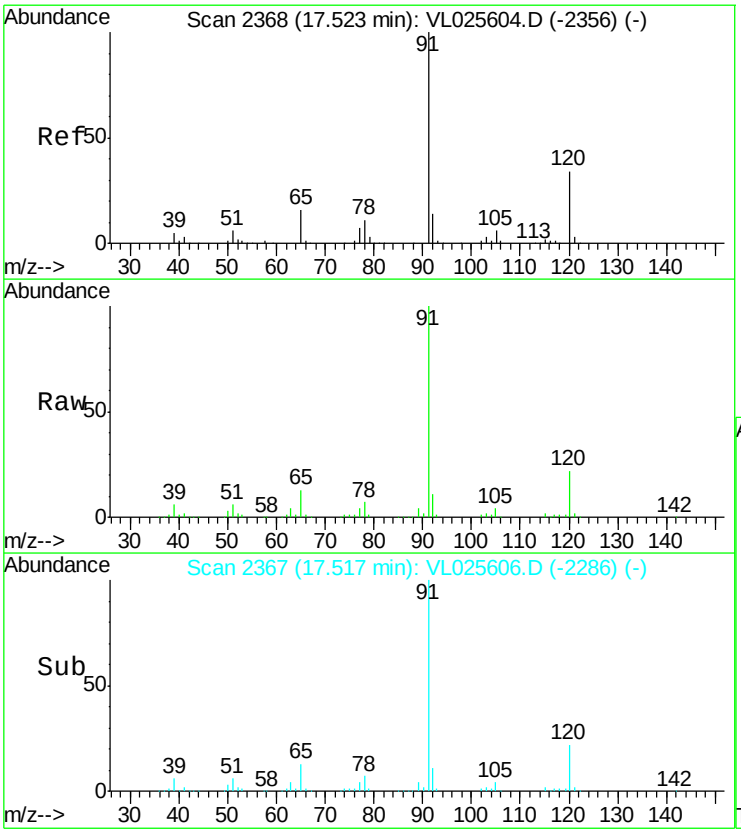
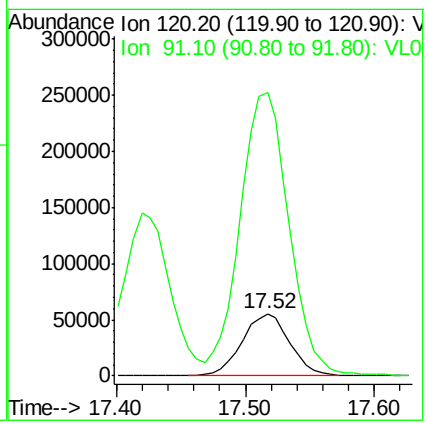
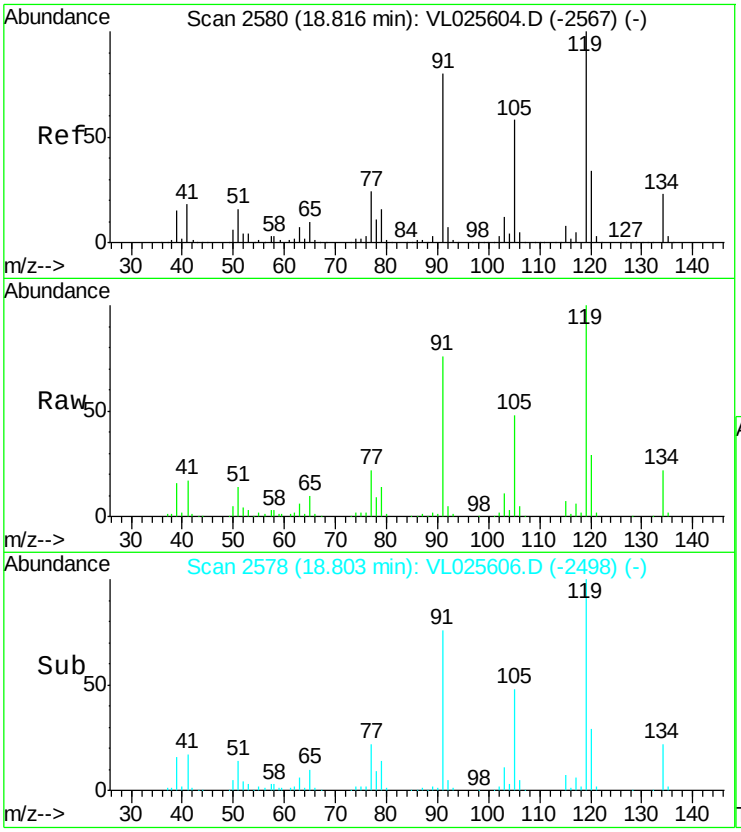


#64
n-propylbenzene
Concen: 1.23 ppbv
RT: 17.52 min Scan# 2367
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:120 Resp: 141280

Ion	Ratio	Lower	Upper
120	100		
91	471.2	370.5	555.7

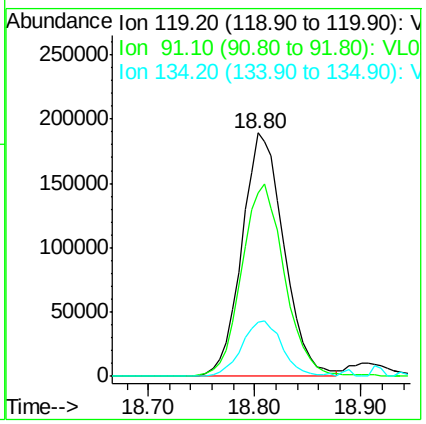




#65
tert-Butylbenzene
Concen: 1.30 ppbv
RT: 18.80 min Scan# 2578
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:119 Resp: 524373

Ion	Ratio	Lower	Upper
119	100		
91	80.8	64.5	96.7
134	22.0	17.4	26.0



Instrument :
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ClientSampleId :
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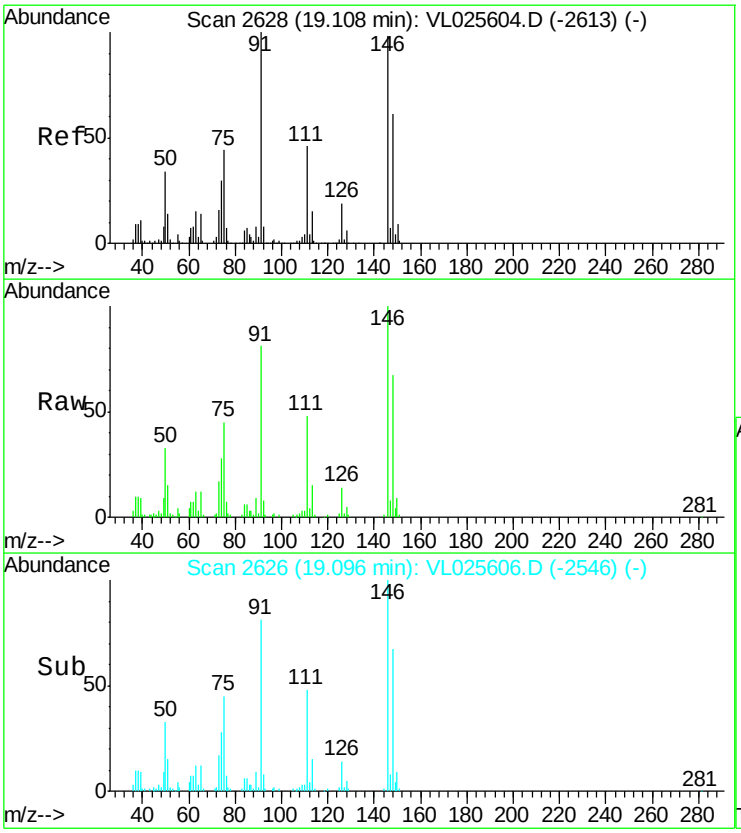
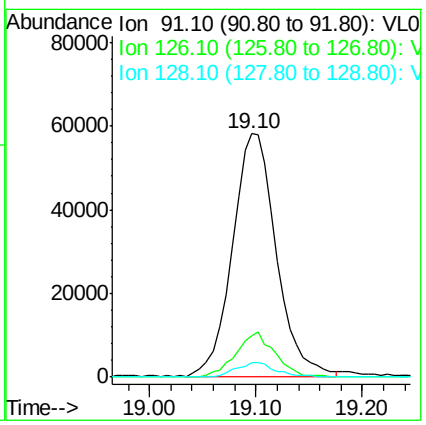
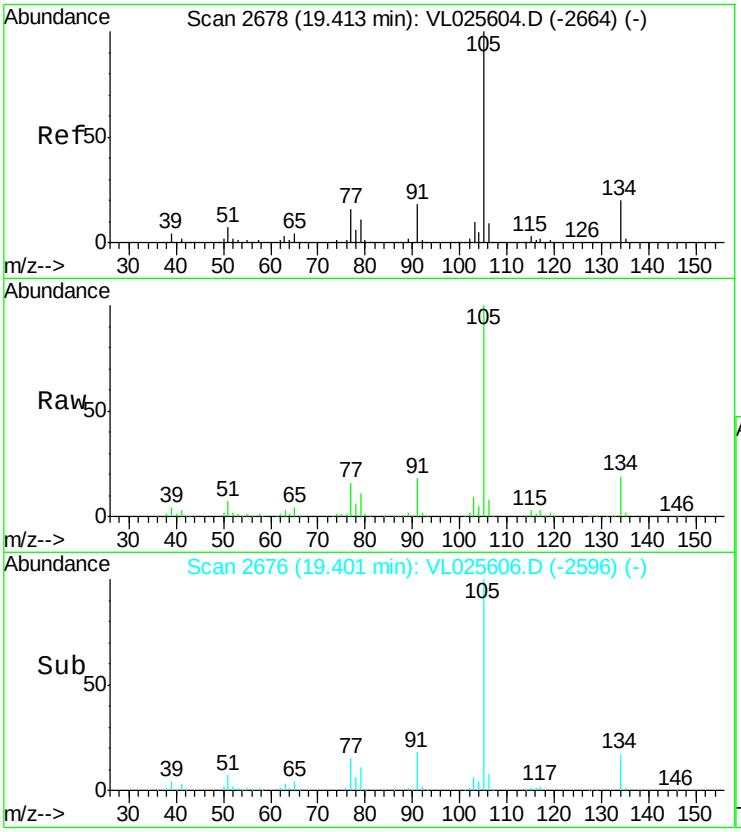


#66
Benzyl Chloride
Concen: 1.23 ppbv
RT: 19.10 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 91 Resp: 168640

Ion	Ratio	Lower	Upper
91	100		
126	16.6	14.5	21.7
128	5.4	4.6	7.0





#67
sec-Butylbenzene
Concen: 1.32 ppbv
RT: 19.40 min Scan# 2676
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:105 Resp: 745578

Ion	Ratio	Lower	Upper
105	100		
134	18.5	15.4	23.2

Instrument :
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ClientSampleId :
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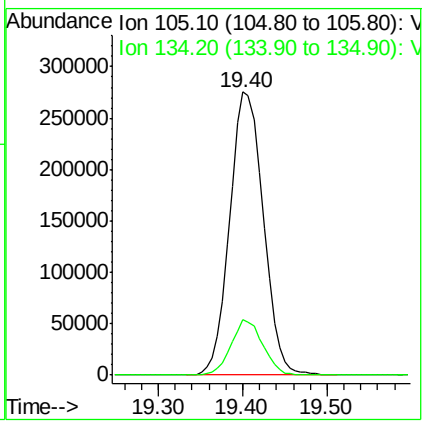
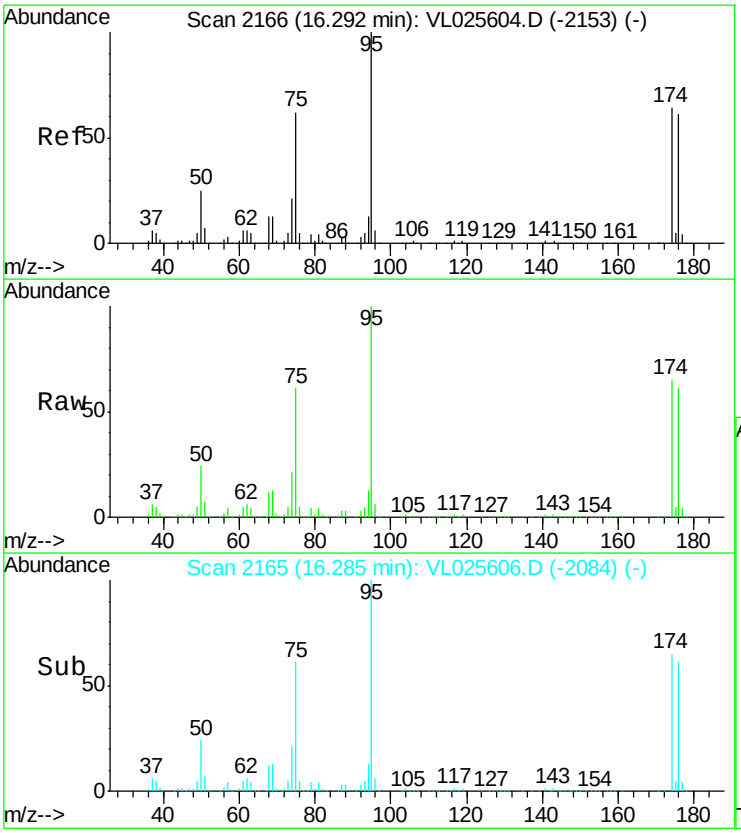
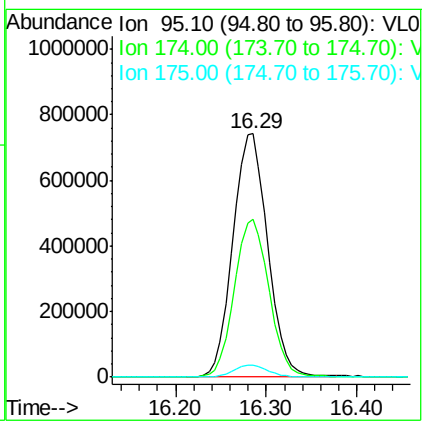


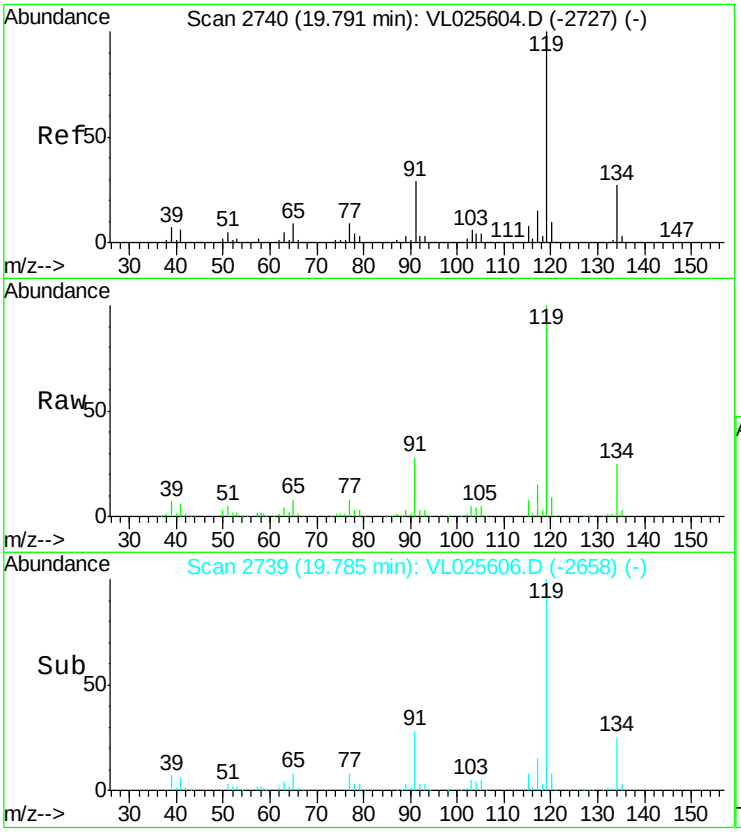


#68
1-Bromo-4-Fluorobenzene
Concen: 10.38 ppbv
RT: 16.29 min Scan# 2165
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 95 Resp: 1992230

Ion	Ratio	Lower	Upper
95	100		
174	64.9	52.0	78.0
175	4.9	3.9	5.9

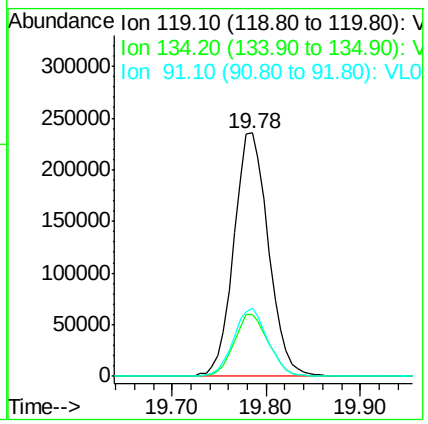




#69
p-Isopropyltoluene
Concen: 1.31 ppbv
RT: 19.78 min Scan# 2739
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:119 Resp: 602042

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.7	31.1
91	28.1	22.6	34.0



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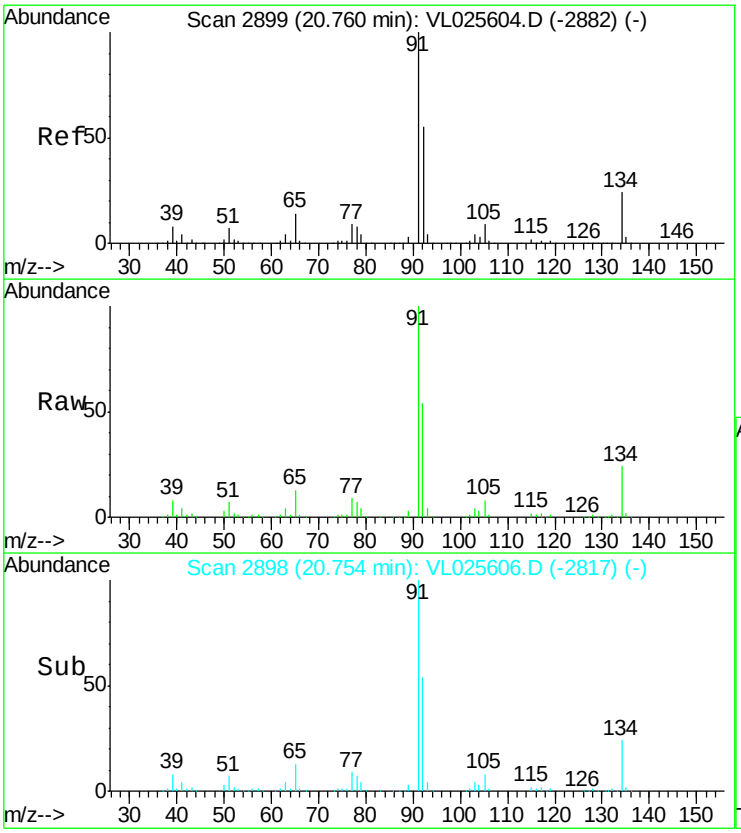
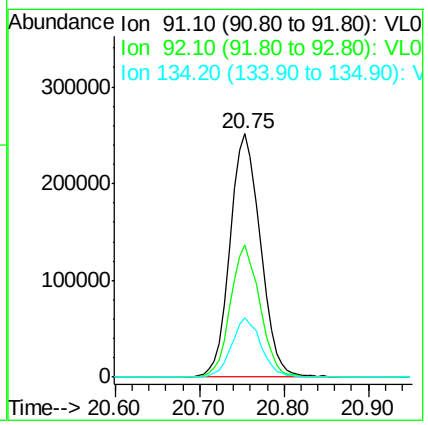
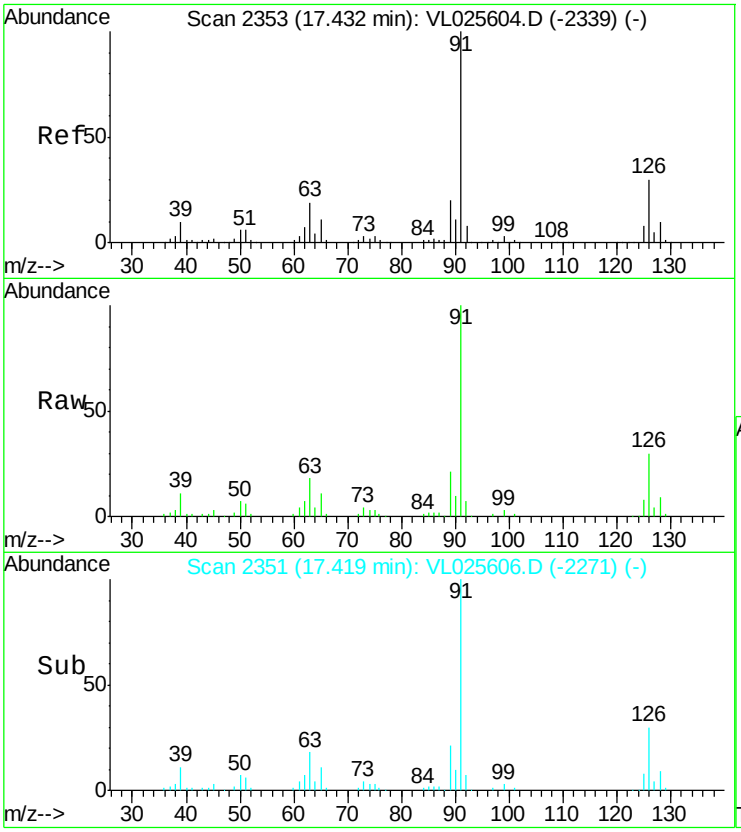


#70
n-Butylbenzene
Concen: 1.38 ppbv
RT: 20.75 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 91 Resp: 616290

Ion	Ratio	Lower	Upper
91	100		
92	52.5	44.3	66.5
134	23.3	19.4	29.2

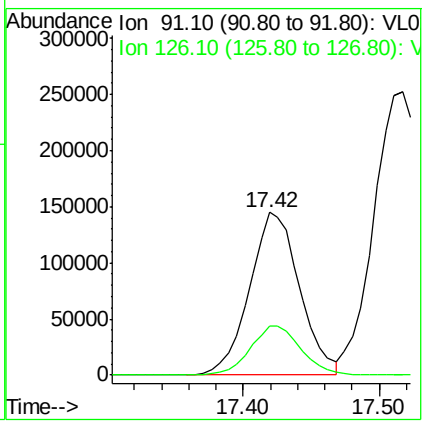




#71
2-Chlorotoluene
Concen: 1.16 ppbv
RT: 17.42 min Scan# 2351
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion: 91 Resp: 374278

Ion	Ratio	Lower	Upper
91	100		
126	30.7	12.2	49.0



Instrument :
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ClientSampleId :
VSTDICC001

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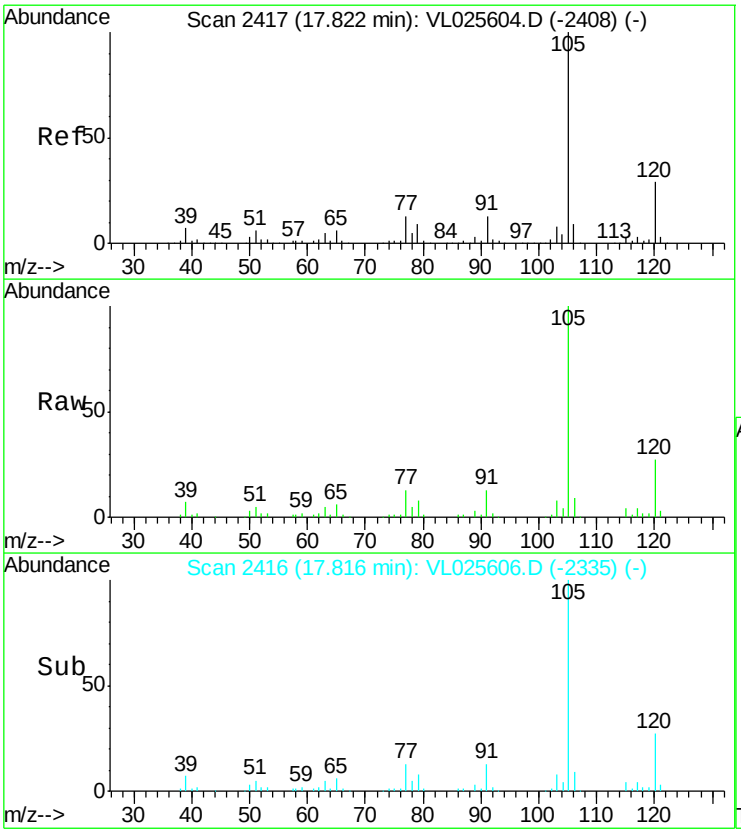
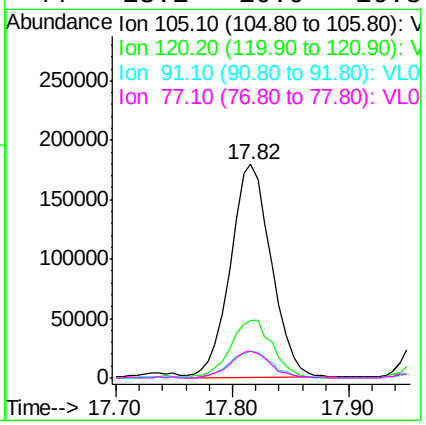
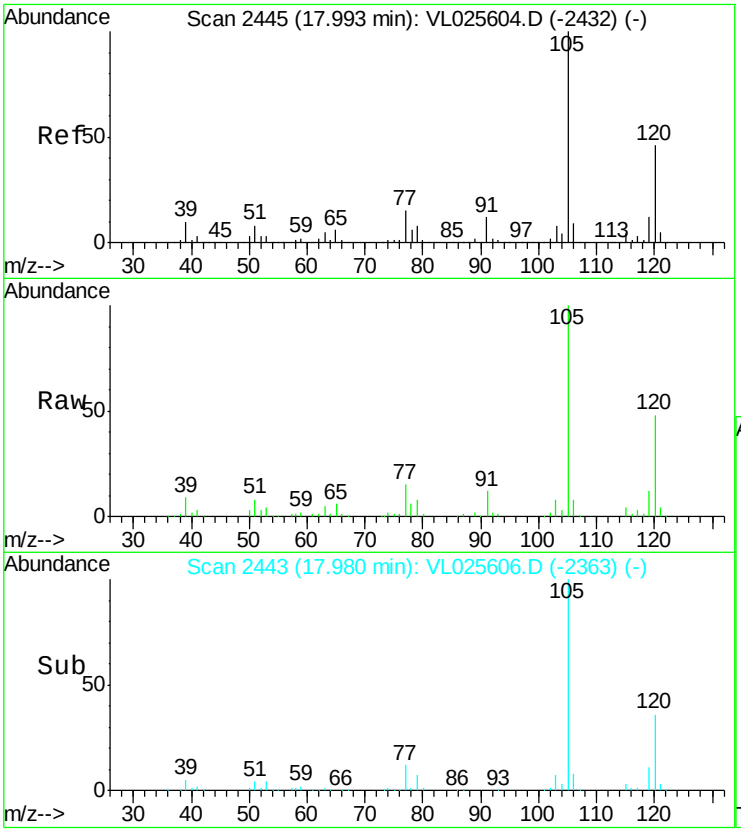


#72
4-Ethyltoluene
Concen: 1.22 ppbv
RT: 17.82 min Scan# 2416
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:105 Resp: 437192

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.9	35.9
91	14.1	10.3	15.5
77	13.1	10.9	16.3

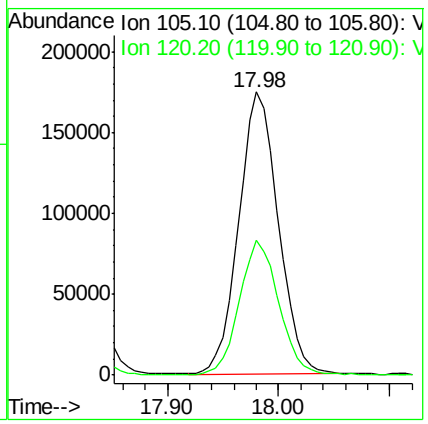




#73
1,3,5-Trimethylbenzene
Concen: 1.24 ppbv
RT: 17.98 min Scan# 2443
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:105 Resp: 429505

Ion	Ratio	Lower	Upper
105	100		
120	47.8	37.0	55.4



Instrument :
MSVOA_L
ClientSampleId :
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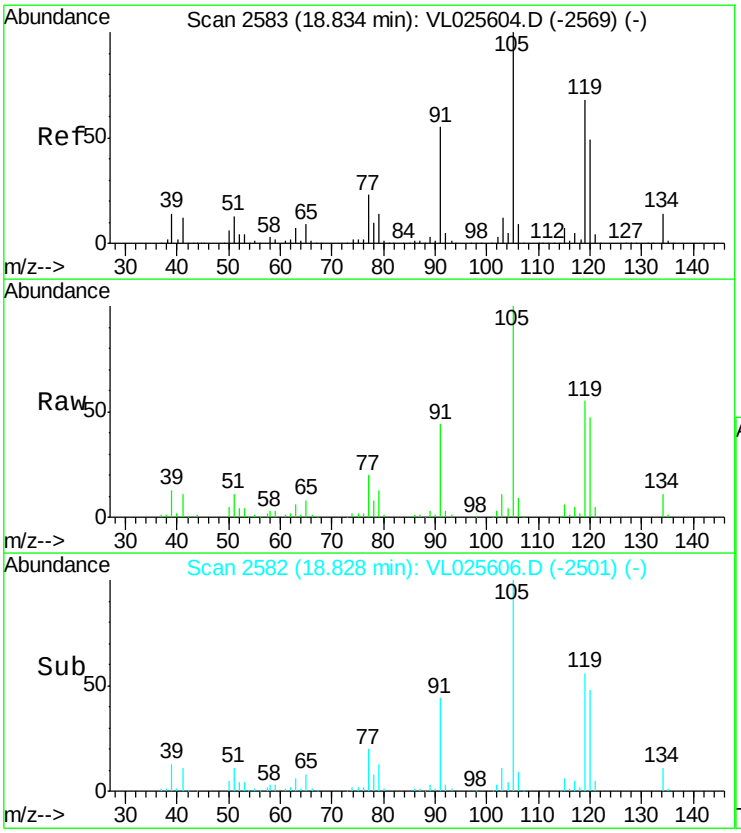
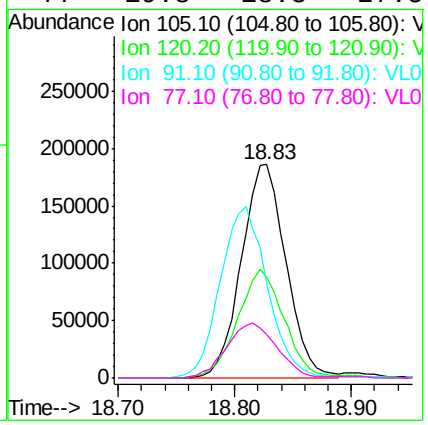
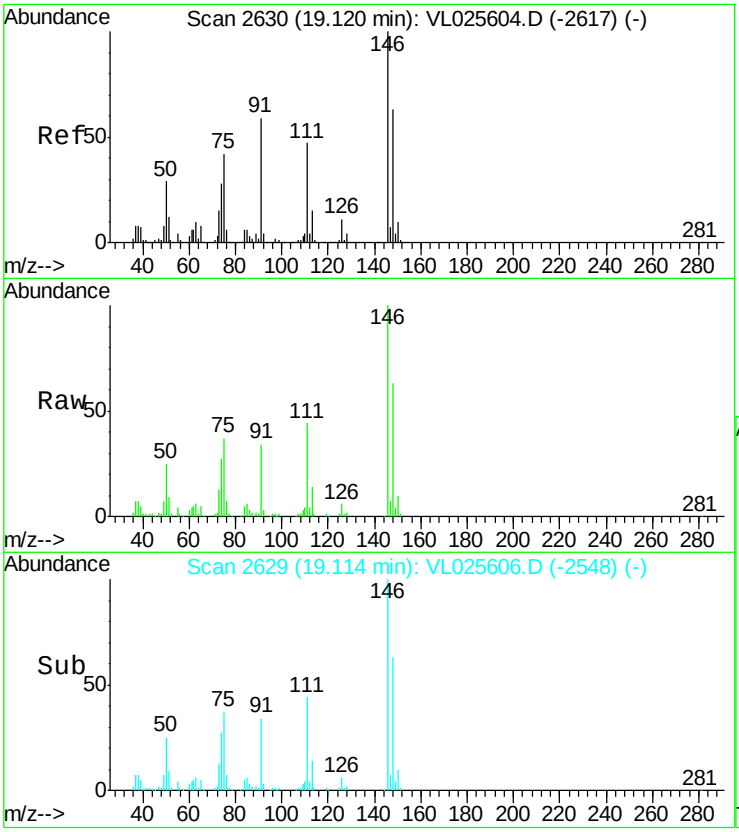


#74
1,2,4-Trimethylbenzene
Concen: 1.33 ppbv
RT: 18.83 min Scan# 2582
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:105 Resp: 497546

Ion	Ratio	Lower	Upper
105	100		
120	47.0	39.3	58.9
91	43.5	43.8	65.6#
77	19.8	18.3	27.5

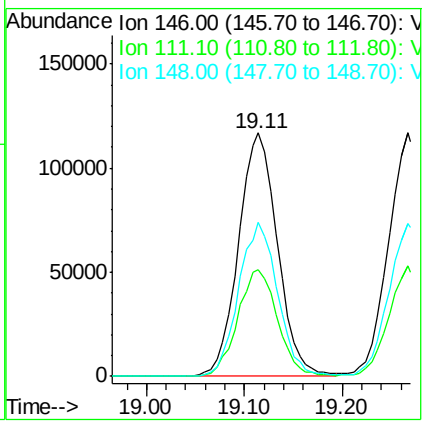




#75
1,3-Dichlorobenzene
Concen: 1.36 ppbv
RT: 19.11 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:146 Resp: 323805

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.7	68.1
148	63.7	31.8	95.3



Instrument :
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ClientSampleId :
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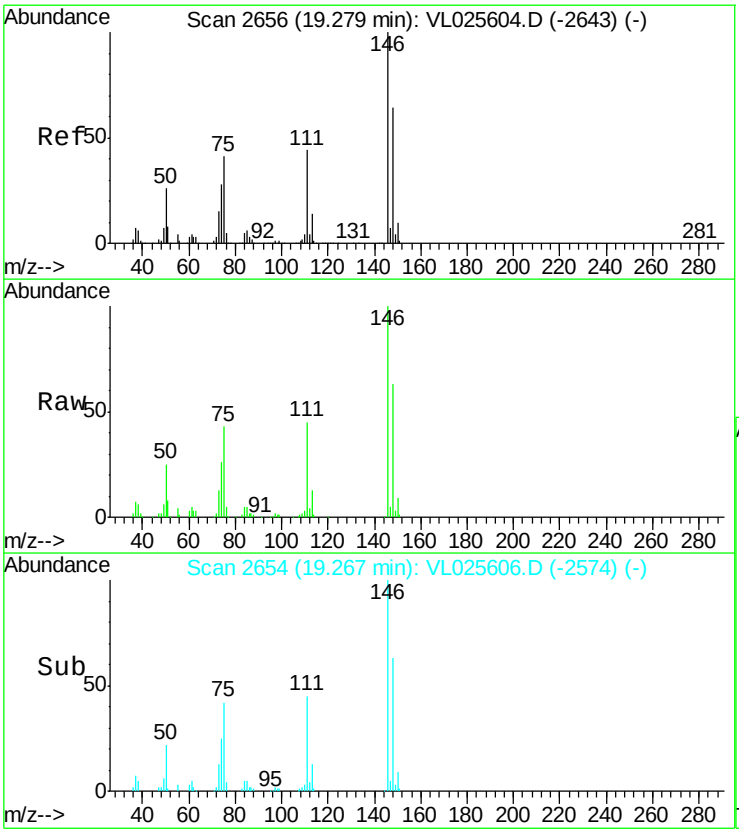
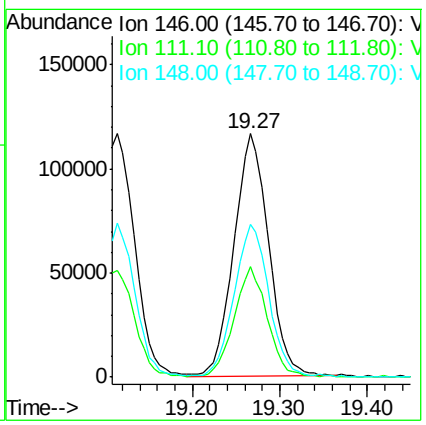
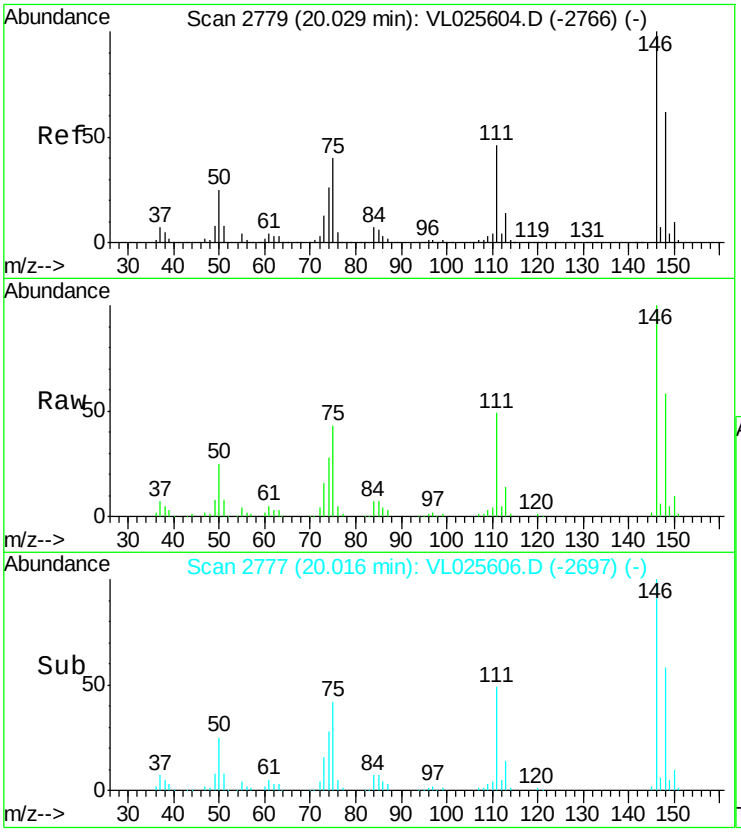


#76
1,4-Dichlorobenzene
Concen: 1.35 ppbv
RT: 19.27 min Scan# 2654
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:146 Resp: 321016

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.1	66.1
148	63.8	31.9	95.9

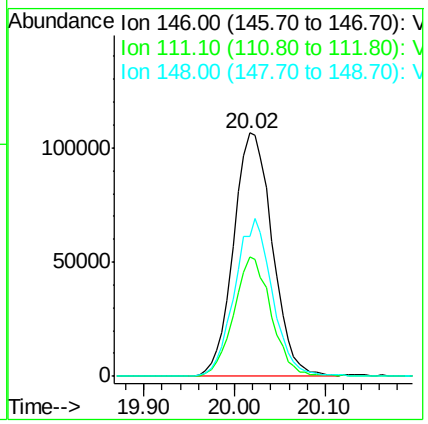




#77
1,2-Dichlorobenzene
Concen: 1.35 ppbv
RT: 20.02 min Scan# 2777
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:146 Resp: 317736

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.4	70.3
148	62.8	31.6	94.8



Instrument :
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ClientSampleId :
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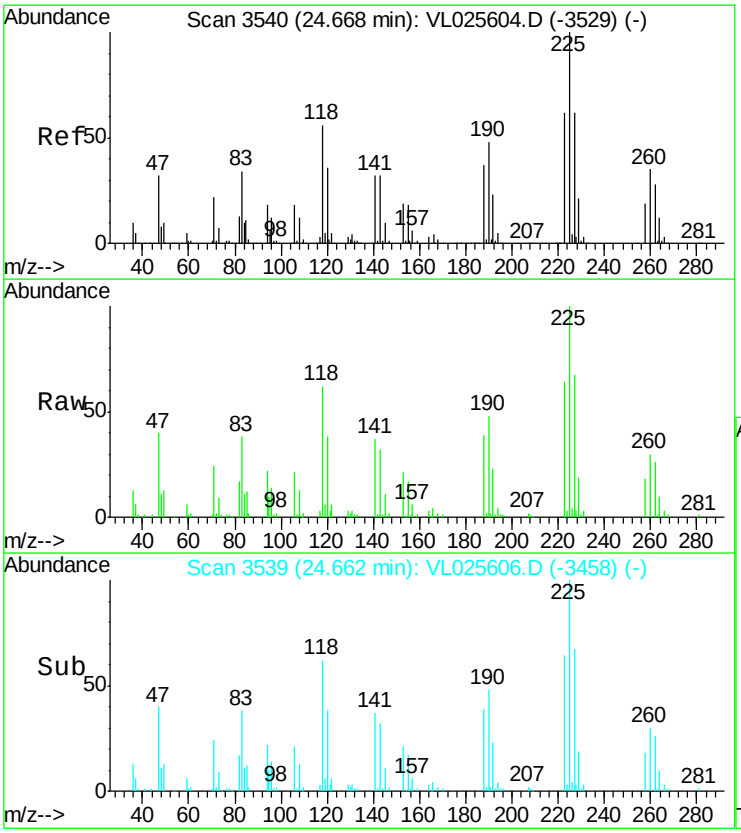
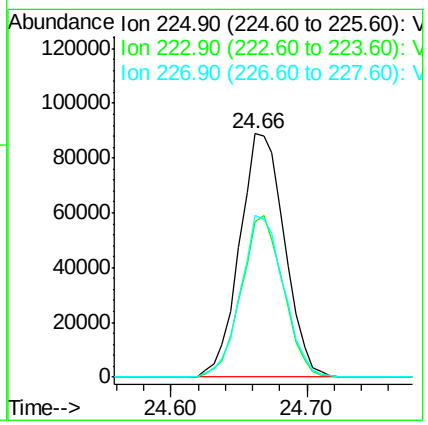
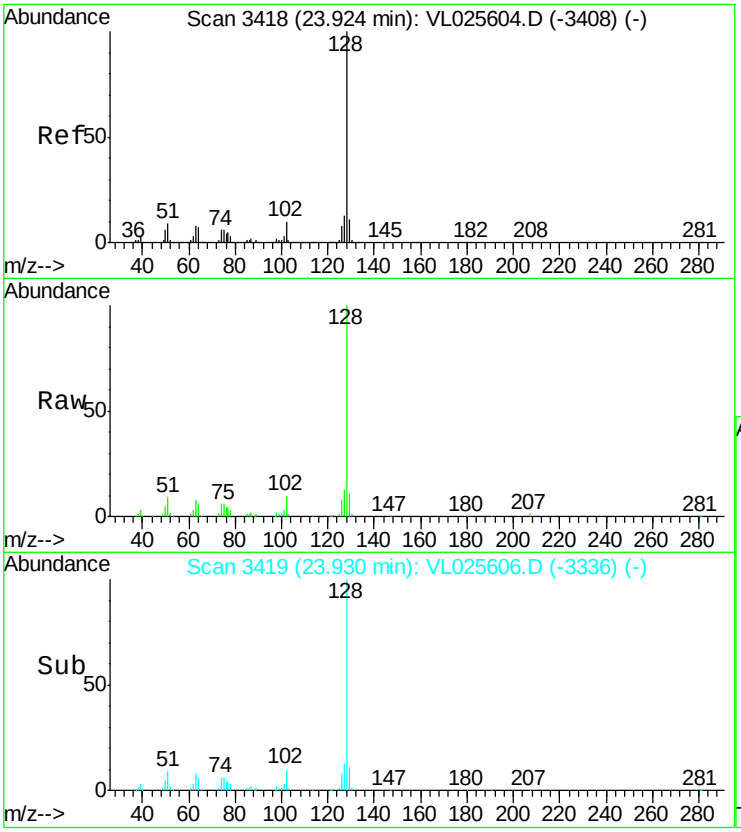


#78
Hexachloro-1,3-Butadiene
Concen: 1.69 ppbv
RT: 24.66 min Scan# 3539
Delta R.T. -0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:225 Resp: 205142

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.6	76.0
227	63.7	50.5	75.7

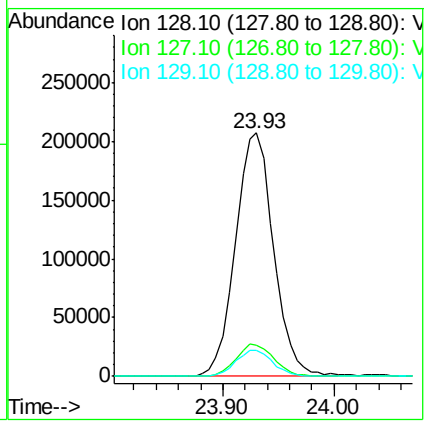




#79
Naphthalene
Concen: 1.61 ppbv
RT: 23.93 min Scan# 3419
Delta R.T. 0.01 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:128 Resp: 491273

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.8	16.2
129	10.7	9.0	13.4



Instrument :
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ClientSampleId :
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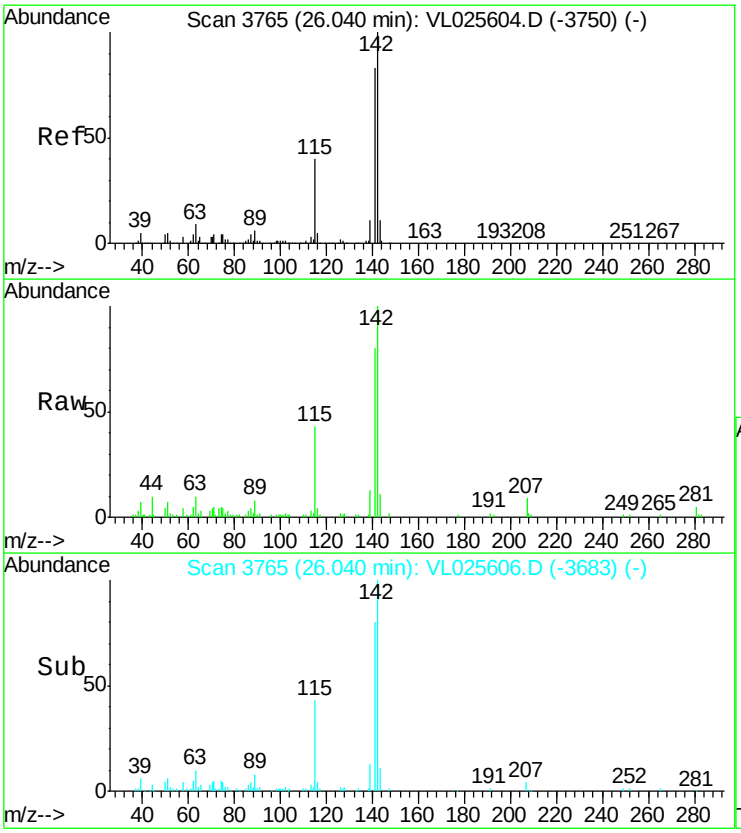
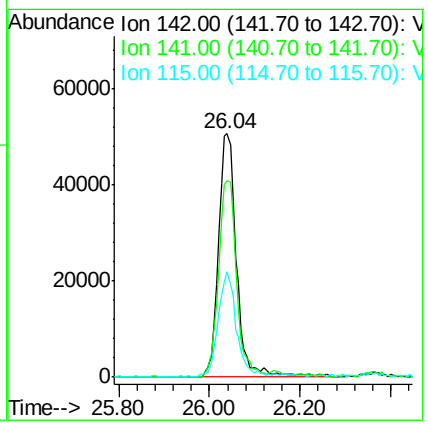
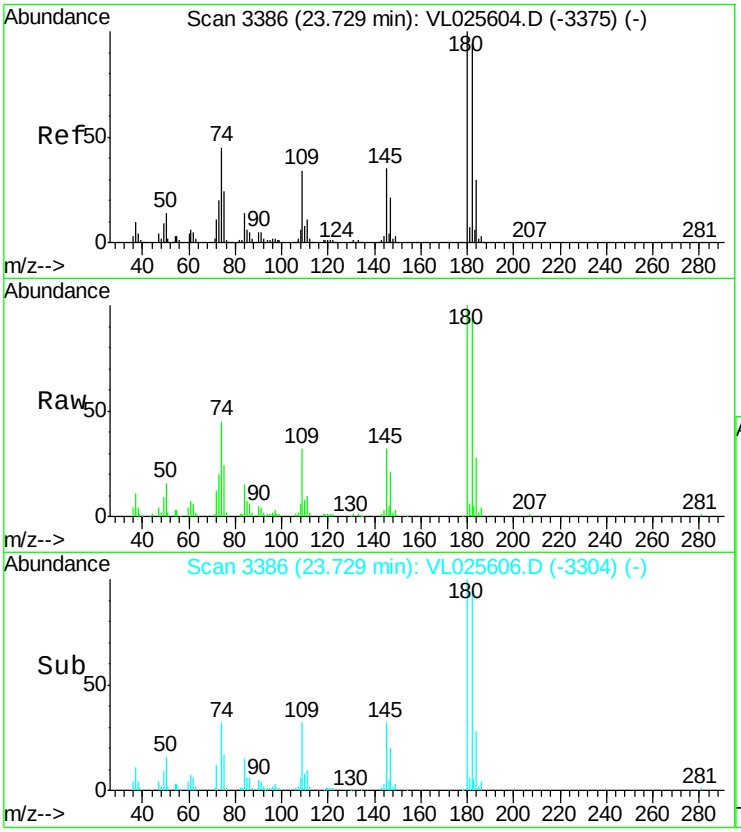


#80
Naphthalene,2-methyl-
Concen: 1.79 ppbv
RT: 26.04 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:142 Resp: 140072

Ion	Ratio	Lower	Upper
142	100		
141	83.1	67.1	100.7
115	43.8	33.9	50.9

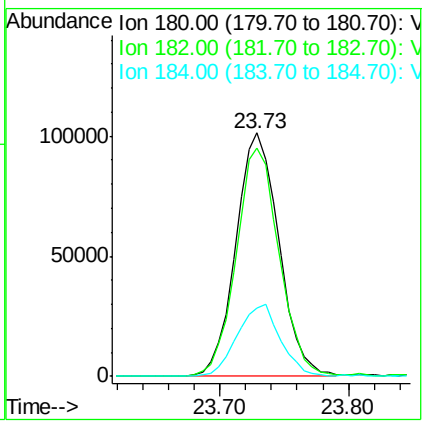




#81
1,2,4-Trichlorobenzene
Concen: 1.65 ppbv
RT: 23.73 min Scan# 3386
Delta R.T. -0.00 min
Lab File: VL025606.D
Acq: 7 Jul 2015 11:53

Tgt Ion:180 Resp: 234841

Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.1	114.1
184	29.5	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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