Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026659.D
Acq On : 9 Jan 2016 3:54
Operator : SY/AP
Sample : H1002-15
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-1

Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:14 AM

Quant Time: Jan 12 05:15:02 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 1
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.63	49	697261	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.31	114	2205449	10.00	ppbv		0.00
55) Chlorobenzene-d5	13.72	117	2997014	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.26	95	2461108	10.30	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.63	85	97403	0.53	ppbv		96
3) Chlorodifluoromethane	3.56	51	43344	0.47	ppbv		99
4) Chloromethane	3.74	50	20038	0.44	ppbv		90
5) Vinyl Chloride	3.88	62	20891	0.38	ppbv		99
6) Bromomethane	4.14	94	17904	0.46	ppbv		87
7) Chloroethane	4.23	64	9732m	0.44	ppbv		
8) Dichlorotetrafluoroethane	3.79	85	69598	0.48	ppbv		98
9) Propene	3.59	41	12561	0.38	ppbv		97
10) Heptane	9.33	43	42221	0.34	ppbv		85
11) Trichlorofluoromethane	4.68	101	98511	0.51	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	5.29	101	56827	0.48	ppbv		99
13) Ethanol	4.34	45	2179	0.34	ppbv		99
14) Bromoethene	4.44	108	18414	0.43	ppbv	#	95
15) Acetone	4.60	43	63831m	0.56	ppbv		
16) 1,3-Butadiene	3.96	39	20207m	0.44	ppbv		
17) tert-Butyl alcohol	5.15	59	31066m	0.36	ppbv		
18) 1,1-Dichloroethene	5.07	96	20887m	0.42	ppbv		
19) Isopropyl Alcohol	4.77	45	17828m	0.38	ppbv		
20) Methylene Chloride	5.14	84	25669m	0.55	ppbv		
21) Allyl Chloride	5.21	41	27374	0.39	ppbv	#	71
22) trans-1,2-Dichloroethene	5.75	96	24176	0.43	ppbv		97
23) Vinyl Acetate	5.97	43	61603	0.35	ppbv	#	94
24) 1,1-Dichloroethane	5.88	63	52121	0.41	ppbv	#	95
25) Ethyl Acetate	6.67	43	46746m	0.26	ppbv		
26) Hexane	6.65	57	33928	0.37	ppbv		96
27) Carbon Disulfide	5.38	76	56547	0.42	ppbv	#	69
28) Methyl tert-Butyl Ether	5.96	73	64167	0.35	ppbv		98
29) Chloroform	6.72	83	81648	0.49	ppbv		87
30) Cyclohexane	8.26	84	34407	0.38	ppbv	#	30
31) cis-1,2-Dichloroethene	6.50	61	33011	0.36	ppbv		95
32) 1,1,1-Trichloroethane	7.57	97	75564	0.40	ppbv		96
34) 2-Butanone	6.20	43	40921	0.35	ppbv		92
35) Carbon Tetrachloride	8.14	117	79715	0.41	ppbv		91
36) Benzene	7.99	78	75843	0.33	ppbv		94
37) 1,2-Dichloroethane	7.35	62	63566	0.41	ppbv		99
38) Trichloroethene	9.04	130	38844	0.38	ppbv		92
39) 1,2-Dichloropropane	8.80	63	32400	0.41	ppbv	#	86
40) 1,4-Dioxane	9.16	88	3986m	0.22	ppbv		
41) Tetrahydrofuran	7.14	42	16884	0.29	ppbv	#	92
42) Bromodichloromethane	8.99	83	80712	0.40	ppbv		95
43) Methyl Methacrylate	9.25	69	24564	0.30	ppbv		94

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026659.D
Acq On : 9 Jan 2016 3:54
Operator : SY/AP
Sample : H1002-15
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:14 AM

Quant Time: Jan 12 05:15:02 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 1
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	125360	0.34	ppbv		98
45) t-1,3-Dichloropropene	10.63	75	36842	0.27	ppbv		95
46) cis-1,3-Dichloropropene	10.00	75	44501	0.29	ppbv		91
47) 1,1,2-Trichloroethane	10.85	97	45167	0.40	ppbv		95
48) Dibromochloromethane	11.77	129	65286	0.39	ppbv		99
49) Bromoform	14.79	173	53338	0.39	ppbv		99
50) 4-Methyl-2-Pentanone	10.08	43	47948m	0.29	ppbv		
51) 2-Hexanone	11.62	43	37888	0.25	ppbv	#	98
52) Tetrachloroethene	12.77	164	43026	0.38	ppbv		93
53) Toluene	11.21	91	99294	0.31	ppbv		98
54) 1,2-Dibromoethane	12.12	107	71051	0.40	ppbv		88
56) 1,1,1,2-Tetrachloroethane	13.76	131	59726	0.43	ppbv	#	1
57) Chlorobenzene	13.79	112	138260	0.45	ppbv		92
58) Ethyl Benzene	14.39	91	177098	0.33	ppbv		95
59) m/p-Xylene	14.69	91	333895m	0.76	ppbv		
60) o-Xylene	15.46	91	200600	0.42	ppbv		96
61) Styrene	15.29	104	59331	0.32	ppbv		98
62) Isopropylbenzene	16.52	105	243047	0.39	ppbv		97
63) 1,1,2,2-Tetrachloroethane	15.46	83	154190	0.43	ppbv		100
64) n-propylbenzene	17.49	120	66964	0.40	ppbv		93
65) tert-Butylbenzene	18.78	119	243730	0.42	ppbv		94
66) Benzyl Chloride	19.08	91	58416	0.28	ppbv	#	96
67) sec-Butylbenzene	19.38	105	345239	0.40	ppbv		99
69) p-Isopropyltoluene	19.76	119	236550	0.36	ppbv		99
70) n-Butylbenzene	20.74	91	234630	0.34	ppbv		98
71) 2-Chlorotoluene	17.40	91	158747	0.32	ppbv		95
72) 4-Ethyltoluene	17.79	105	184262	0.35	ppbv		99
73) 1,3,5-Trimethylbenzene	17.96	105	189542	0.38	ppbv		96
74) 1,2,4-Trimethylbenzene	18.80	105	231934	0.43	ppbv		98
75) 1,3-Dichlorobenzene	19.10	146	148262	0.45	ppbv		98
76) 1,4-Dichlorobenzene	19.25	146	146069	0.43	ppbv		99
77) 1,2-Dichlorobenzene	20.00	146	145320	0.43	ppbv		99
78) Hexachloro-1,3-Butadiene	24.66	225	55752	0.41	ppbv		96
79) Naphthalene	23.92	128	93236	0.26	ppbv	#	97
80) Naphthalene,2-methyl-	26.03	142	16012	0.28	ppbv	#	87
81) 1,2,4-Trichlorobenzene	23.72	180	51384	0.31	ppbv		95

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

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026659.D
Acq On : 9 Jan 2016 3:54
Operator : SY/AP
Sample : H1002-15
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 12 05:15:02 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

Manual Integrations APPROVED
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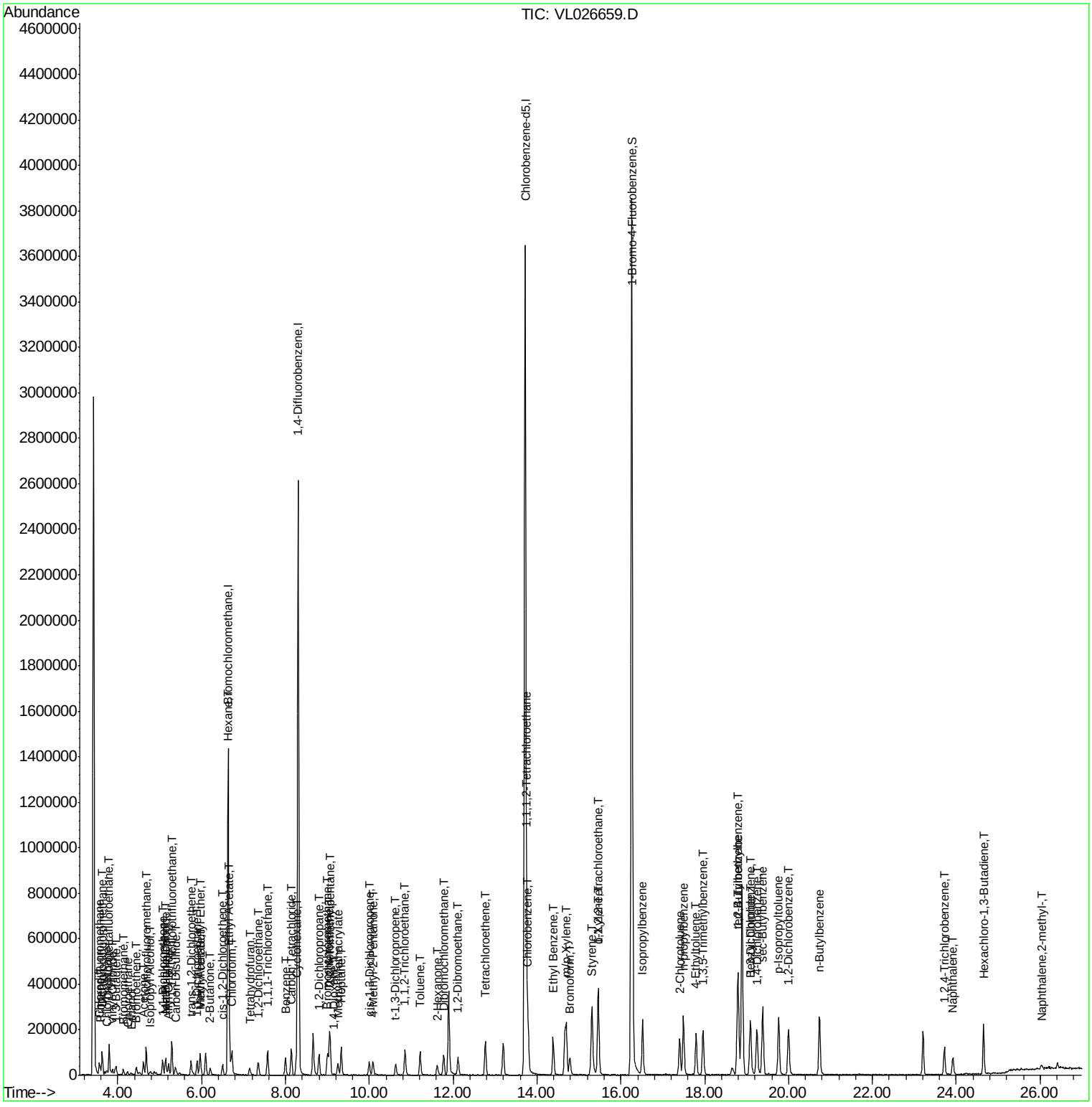
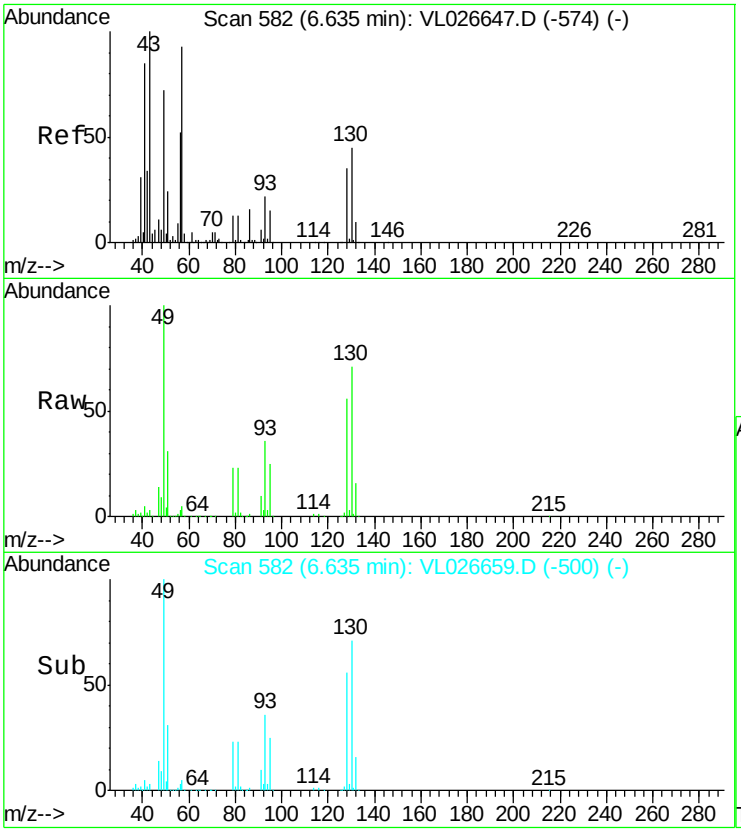
1/14/2016 10:51:14 AM

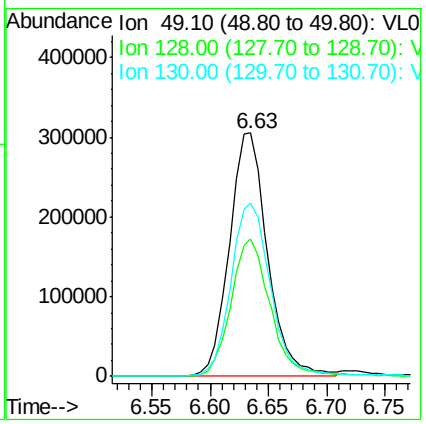




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

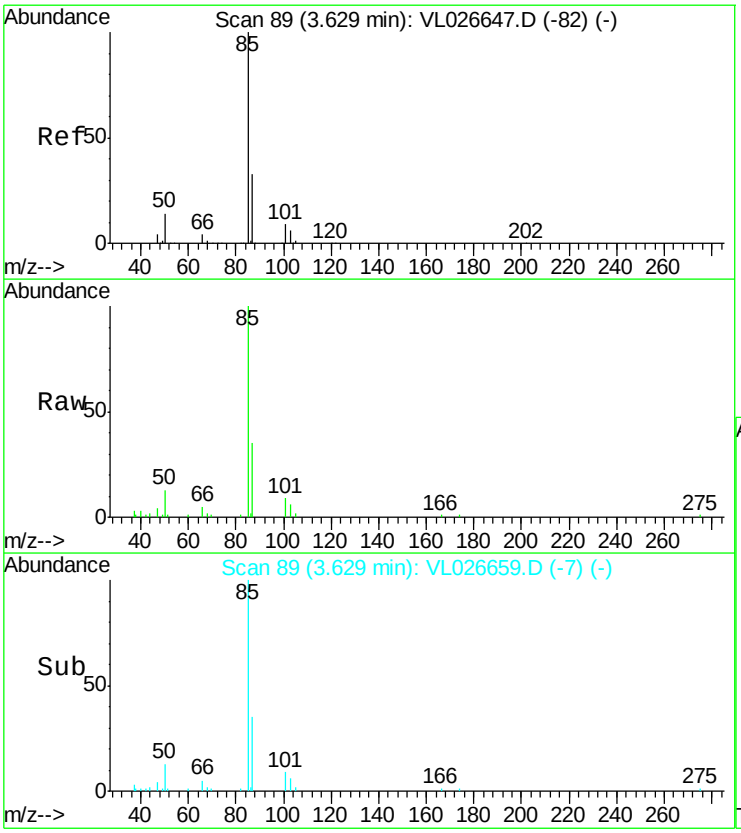
Tgt Ion: 49 Resp: 697261

Ion	Ratio	Lower	Upper
49	100		
128	58.7	25.9	77.7
130	74.6	33.6	100.8



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

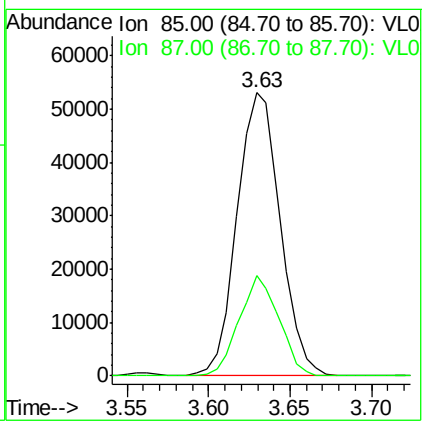
Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:14 AM

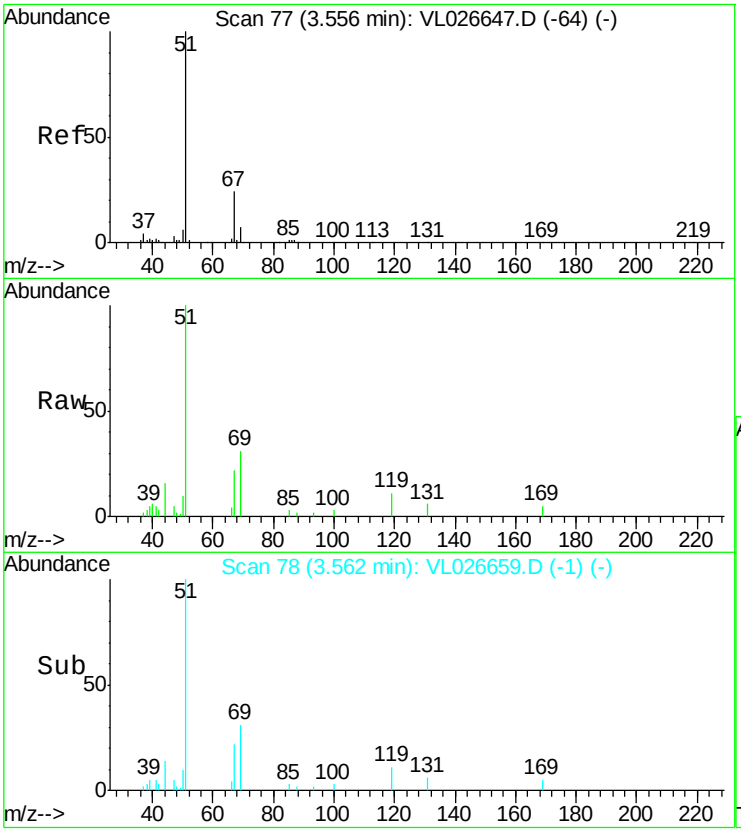


#2
Dichlorodifluoromethane
Concen: 0.53 ppbv
RT: 3.63 min Scan# 89
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 85 Resp: 97403

Ion	Ratio	Lower	Upper
85	100		
87	35.3	26.4	39.6

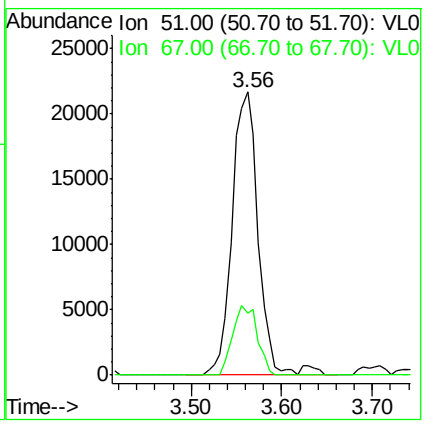




#3
Chlorodifluoromethane
Concen: 0.47 ppbv
RT: 3.56 min Scan# 78
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

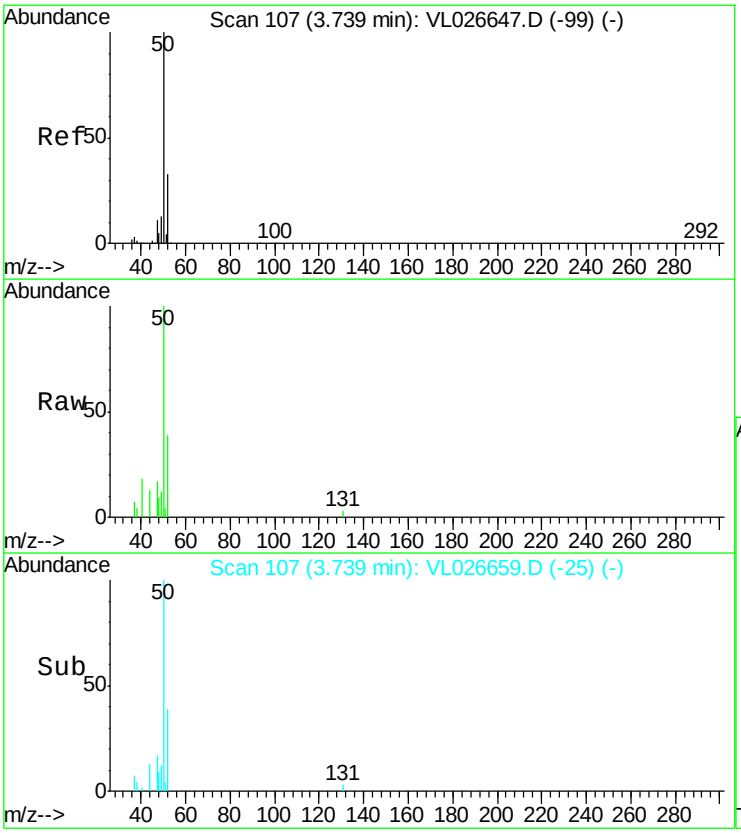
Tgt Ion: 51 Resp: 43344

Ion	Ratio	Lower	Upper
51	100		
67	23.0	18.6	28.0



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

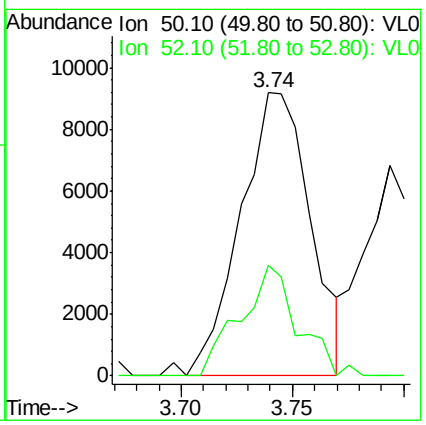
Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:14 AM

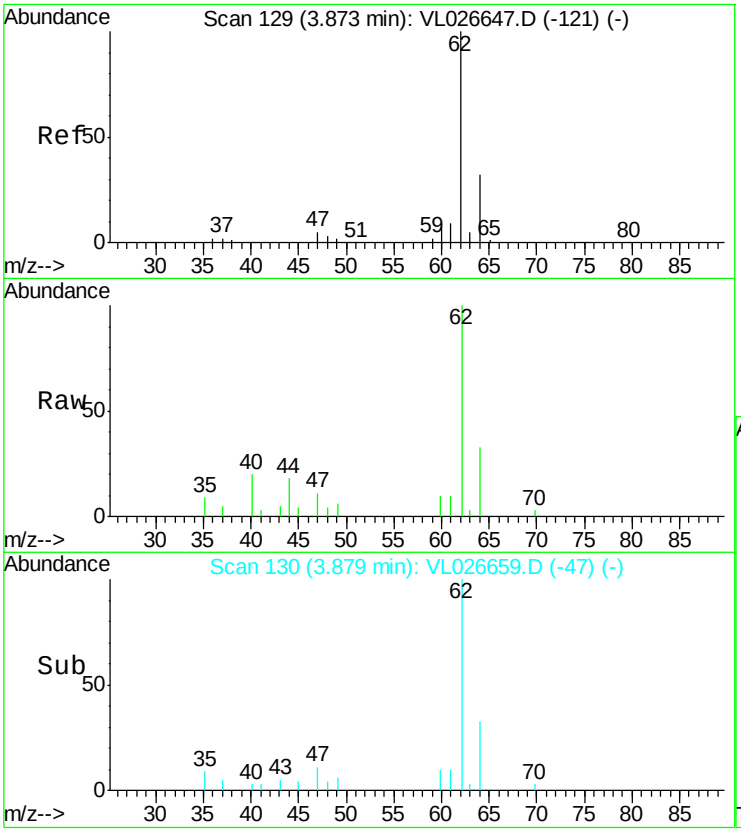


#4
Chloromethane
Concen: 0.44 ppbv
RT: 3.74 min Scan# 107
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 50 Resp: 20038

Ion	Ratio	Lower	Upper
50	100		
52	39.3	26.7	40.1

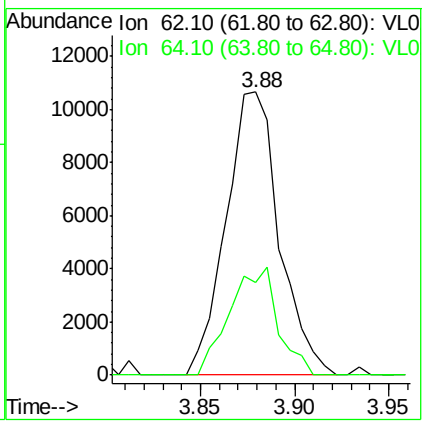




#5
Vinyl Chloride
Concen: 0.38 ppbv
RT: 3.88 min Scan# 130
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 62 Resp: 20891

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.6	38.4



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

Manual Integrations APPROVED
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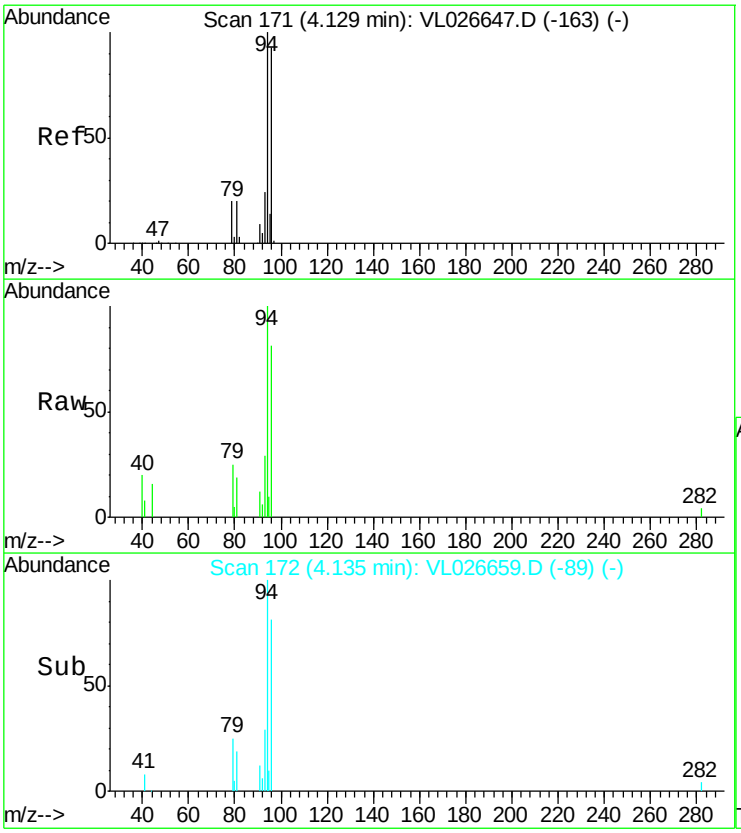
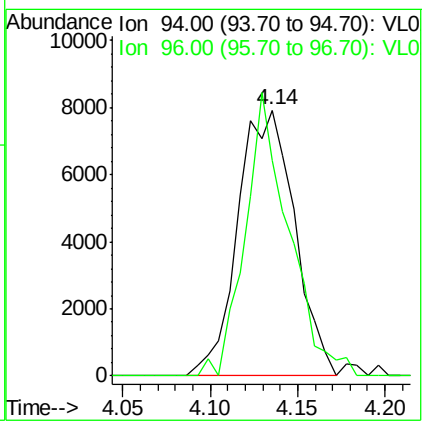
1/14/2016 10:51:14 AM

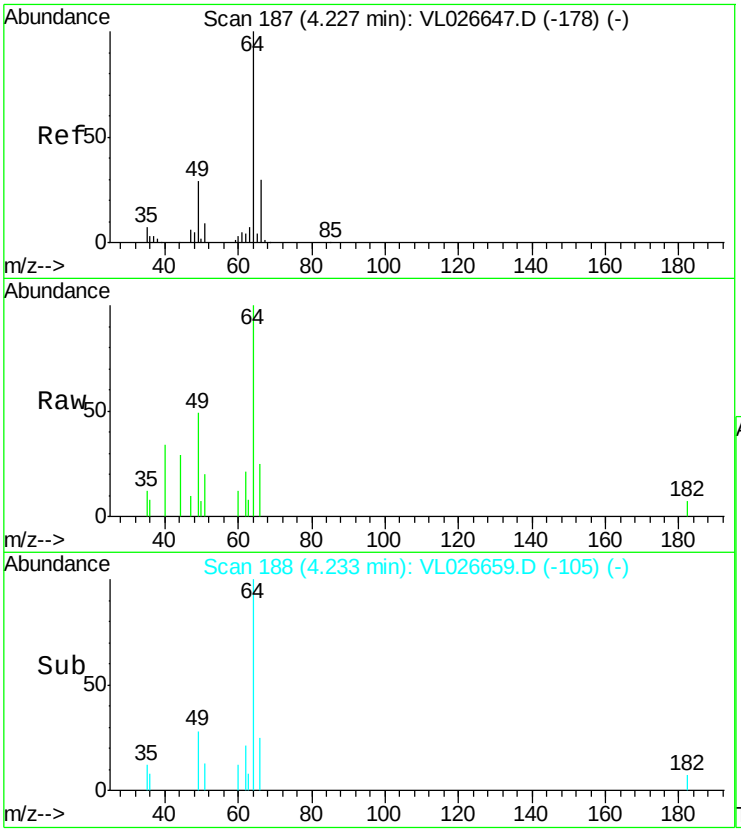


#6
Bromomethane
Concen: 0.46 ppbv
RT: 4.14 min Scan# 172
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 94 Resp: 17904

Ion	Ratio	Lower	Upper
94	100		
96	81.2	74.6	112.0





#7
Chloroethane
Concen: 0.44 ppbv m
RT: 4.23 min Scan# 188
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 64 Resp: 9732

Ion	Ratio	Lower	Upper
64	100		
66	24.8	24.3	36.5

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

Manual Integrations APPROVED
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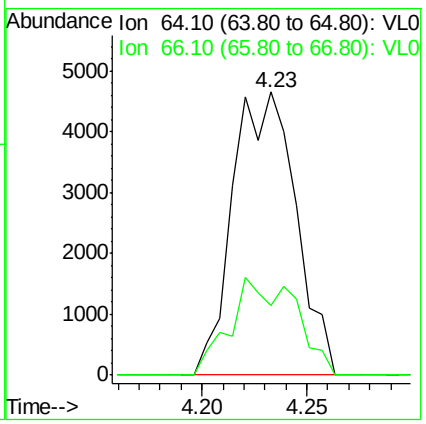
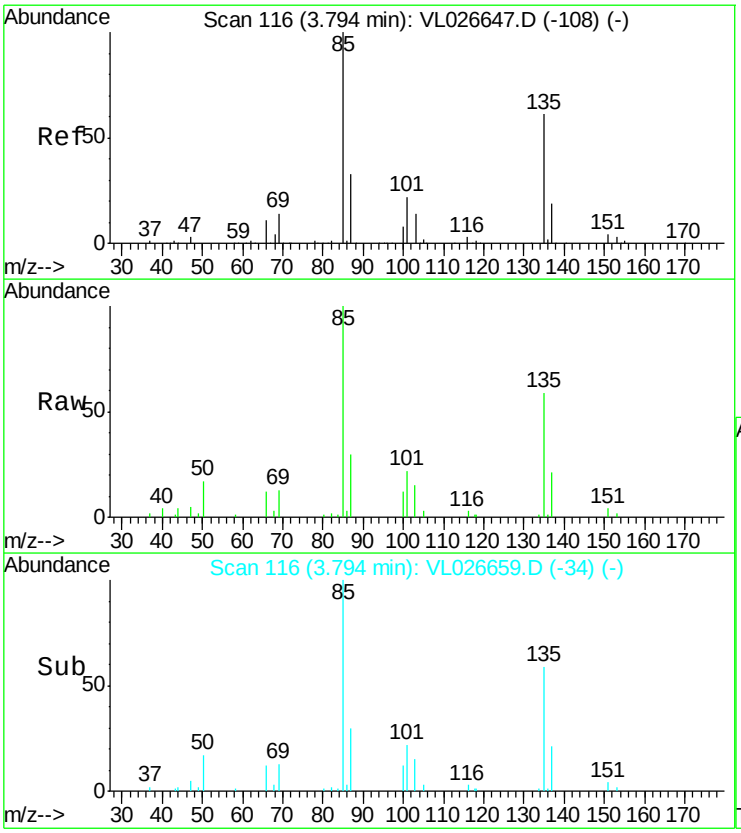
1/14/2016 10:51:14 AM

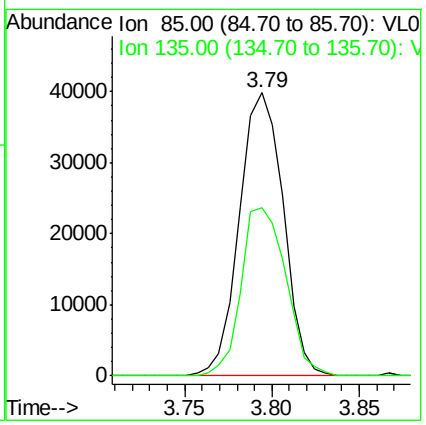


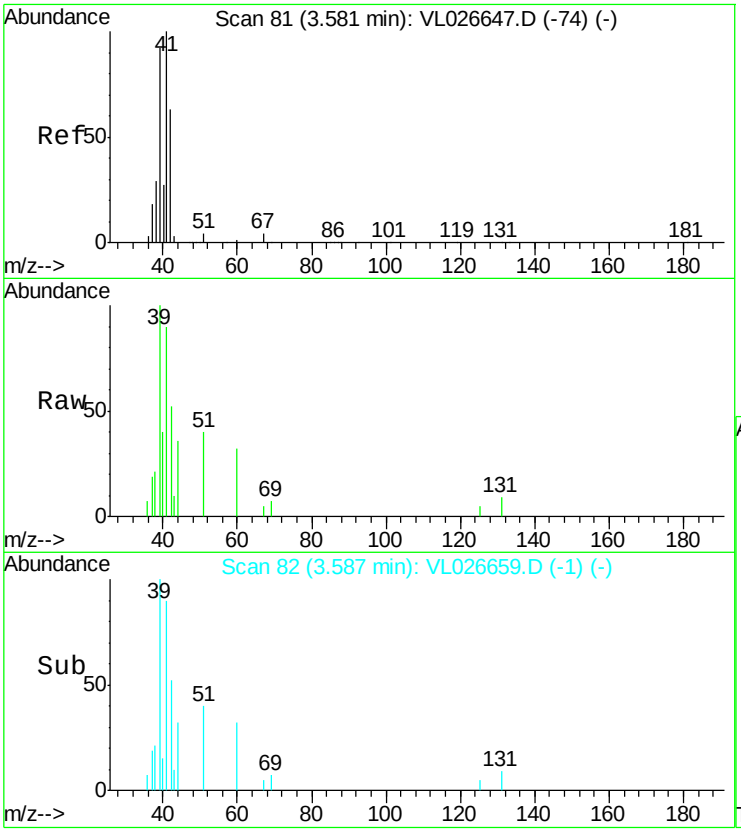


#8
Dichlorotetrafluoroethane
Concen: 0.48 ppbv
RT: 3.79 min Scan# 116
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 85 Resp: 69598

Ion	Ratio	Lower	Upper
85	100		
135	60.6	49.8	74.6

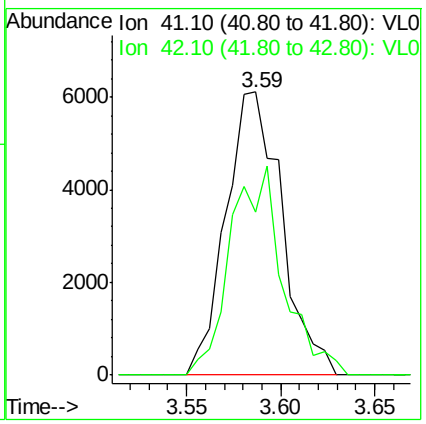




#9
Propene
Concen: 0.38 ppbv
RT: 3.59 min Scan# 82
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

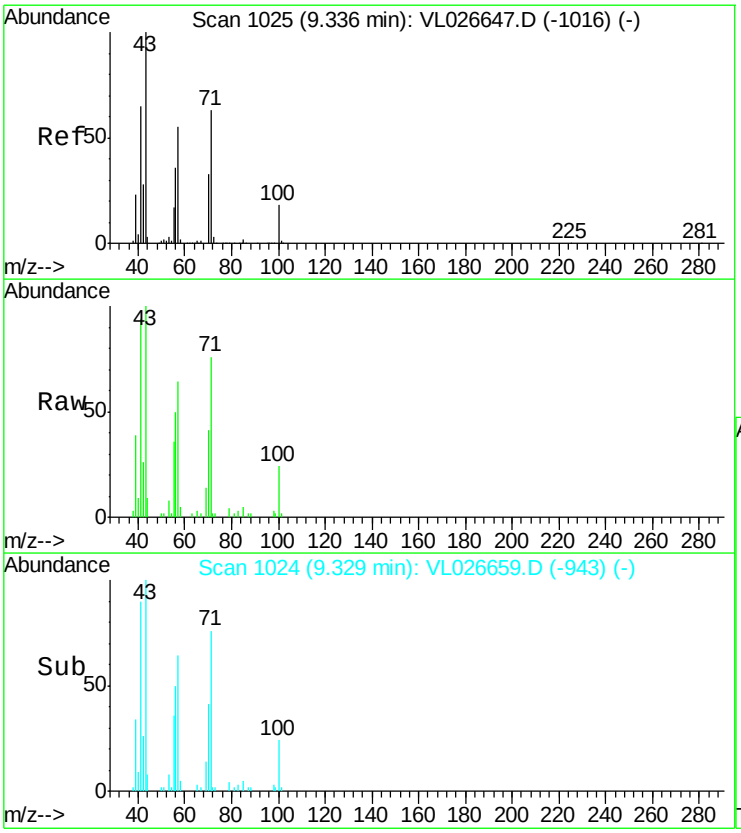
Tgt Ion: 41 Resp: 12561

Ion	Ratio	Lower	Upper
41	100		
42	69.7	53.6	80.4



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

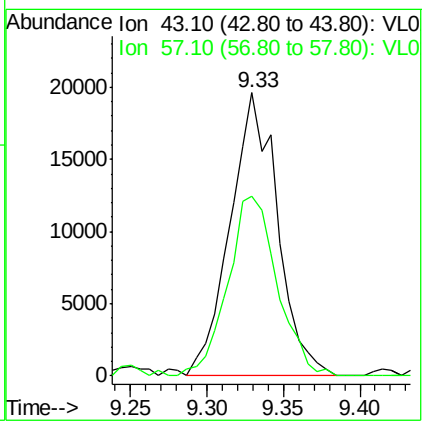
Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:14 AM

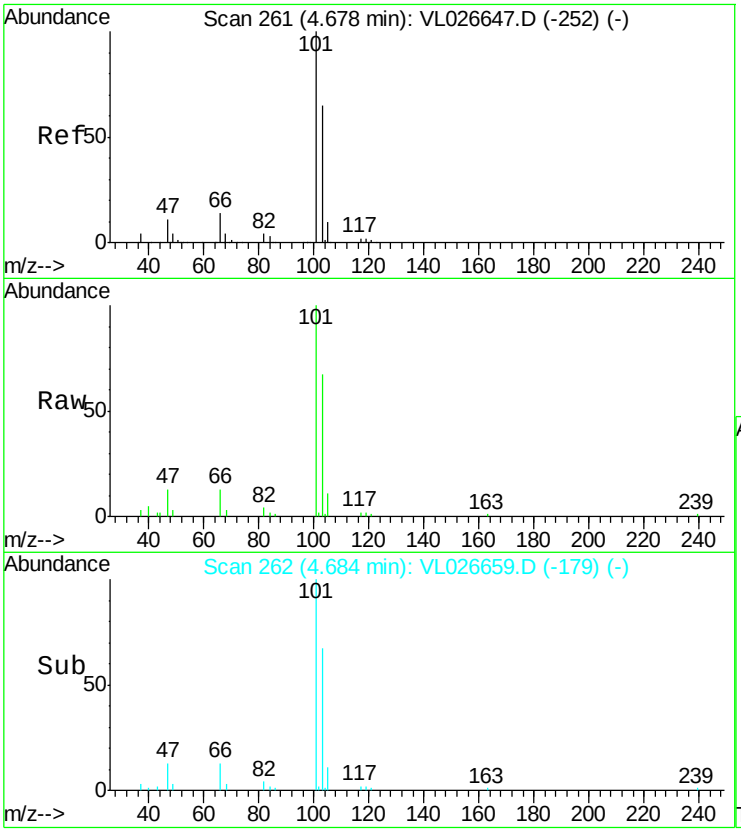


#10
Heptane
Concen: 0.34 ppbv
RT: 9.33 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 43 Resp: 42221

Ion	Ratio	Lower	Upper
43	100		
57	68.0	45.8	68.6

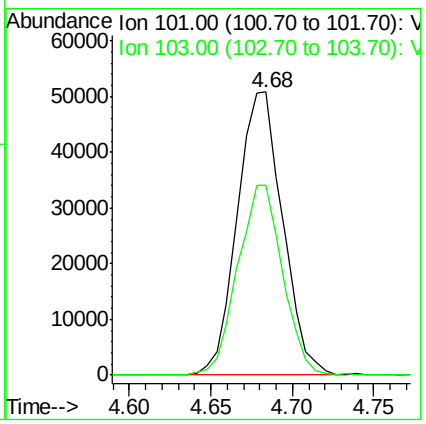




#11
Trichlorofluoromethane
Concen: 0.51 ppbv
RT: 4.68 min Scan# 262
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

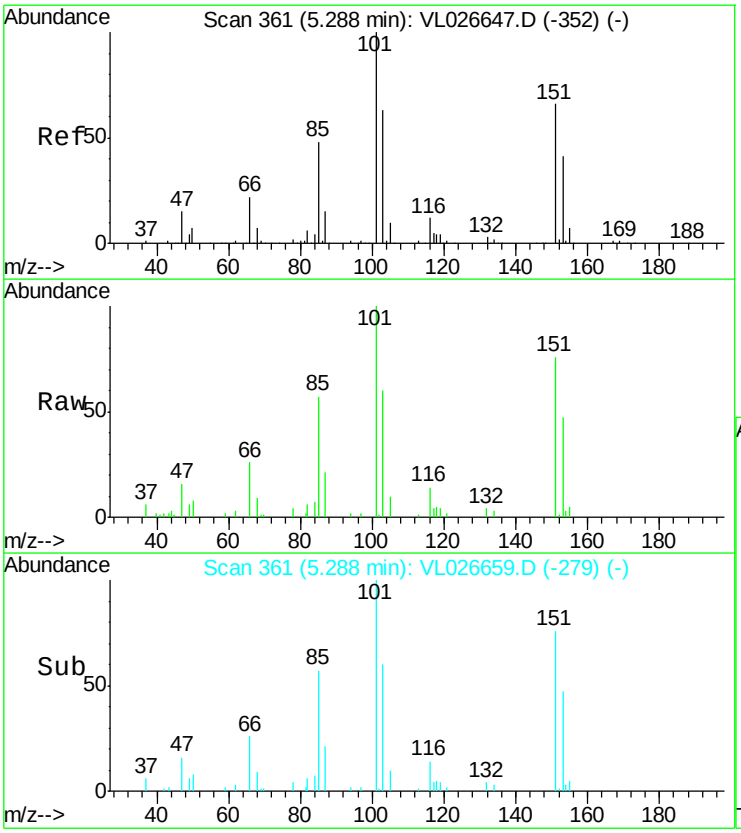
Tgt Ion:101 Resp: 98511

Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.7	77.5



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

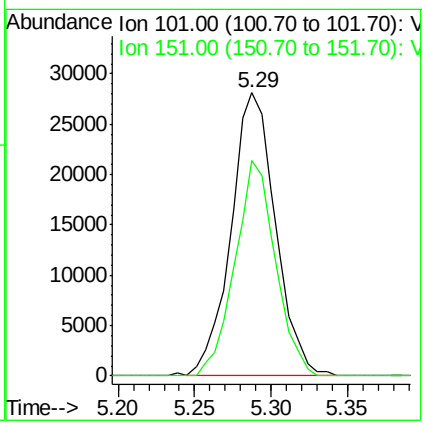
Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:14 AM

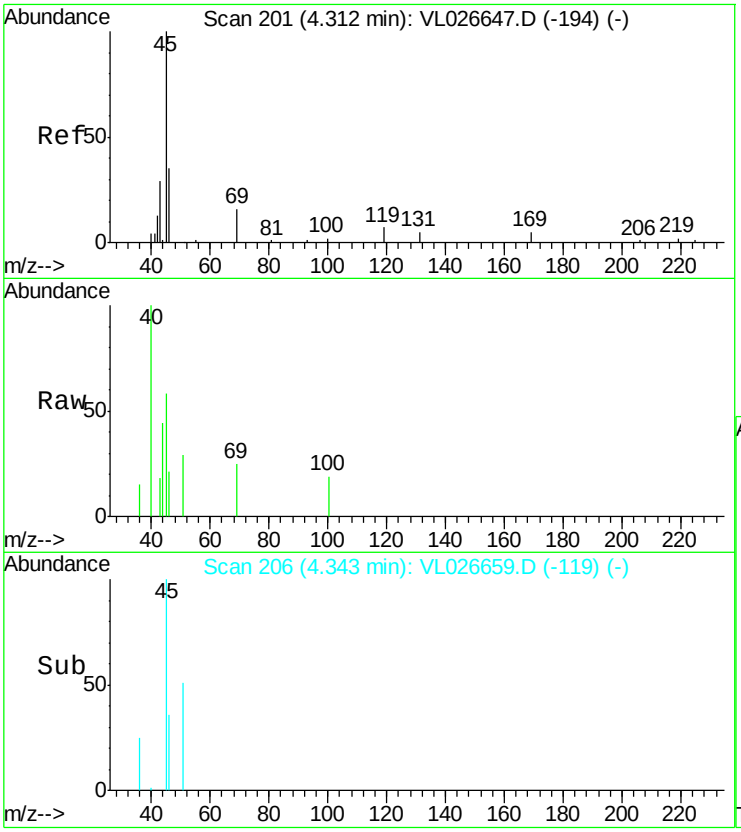


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.48 ppbv
RT: 5.29 min Scan# 361
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:101 Resp: 56827

Ion	Ratio	Lower	Upper
101	100		
151	68.9	54.2	81.4

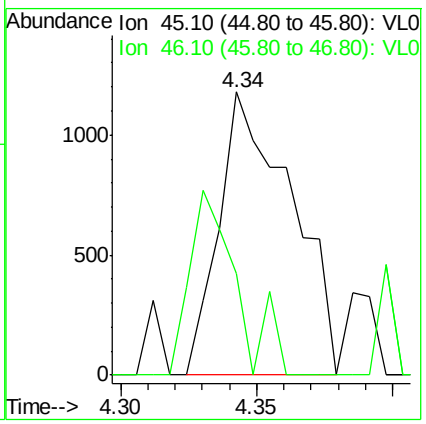




#13
Ethanol
Concen: 0.34 ppbv
RT: 4.34 min Scan# 206
Delta R.T. 0.03 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 45 Resp: 2179

Ion	Ratio	Lower	Upper
45	100		
46	42.2	16.7	66.7



Instrument :
MSVOA_L
ClientSampleId :
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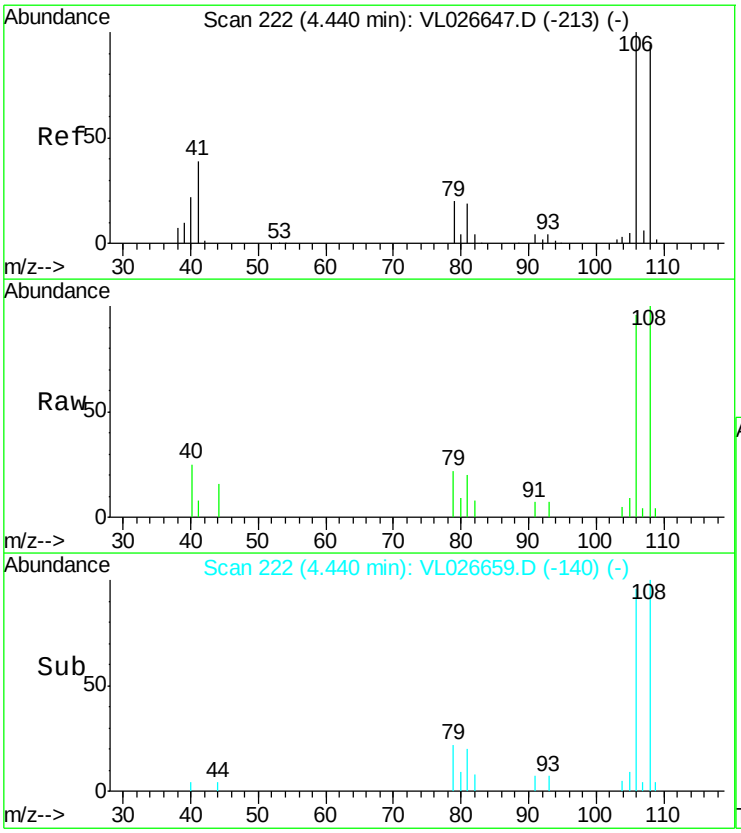
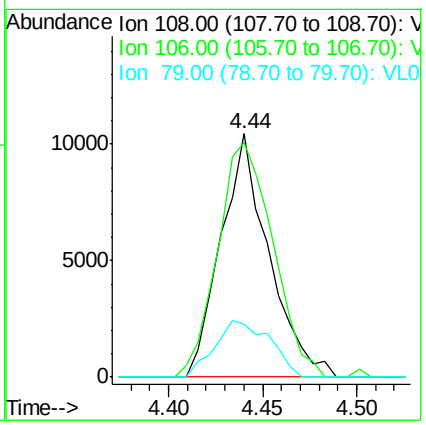
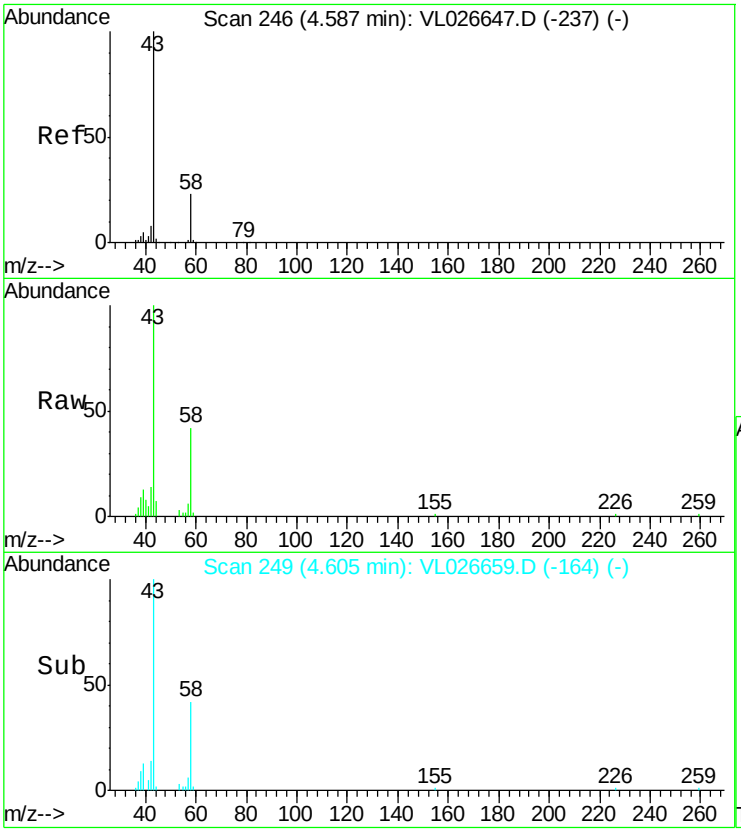


#14
Bromoethene
Concen: 0.43 ppbv
RT: 4.44 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:108 Resp: 18414

Ion	Ratio	Lower	Upper
108	100		
106	111.8	86.4	129.6
79	26.6	17.2	25.8#

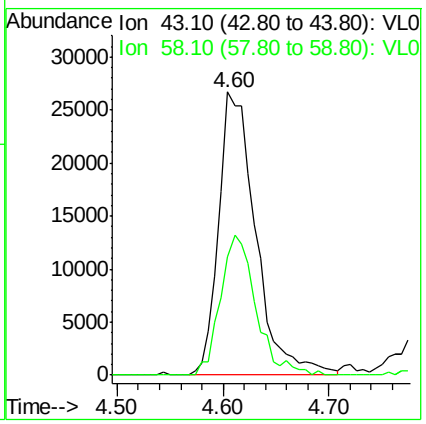




#15
Acetone
Concen: 0.56 ppbv m
RT: 4.60 min Scan# 249
Delta R.T. 0.02 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 43 Resp: 63831

Ion	Ratio	Lower	Upper
43	100		
58	47.3	19.2	28.8#



Instrument :
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ClientSampleId :
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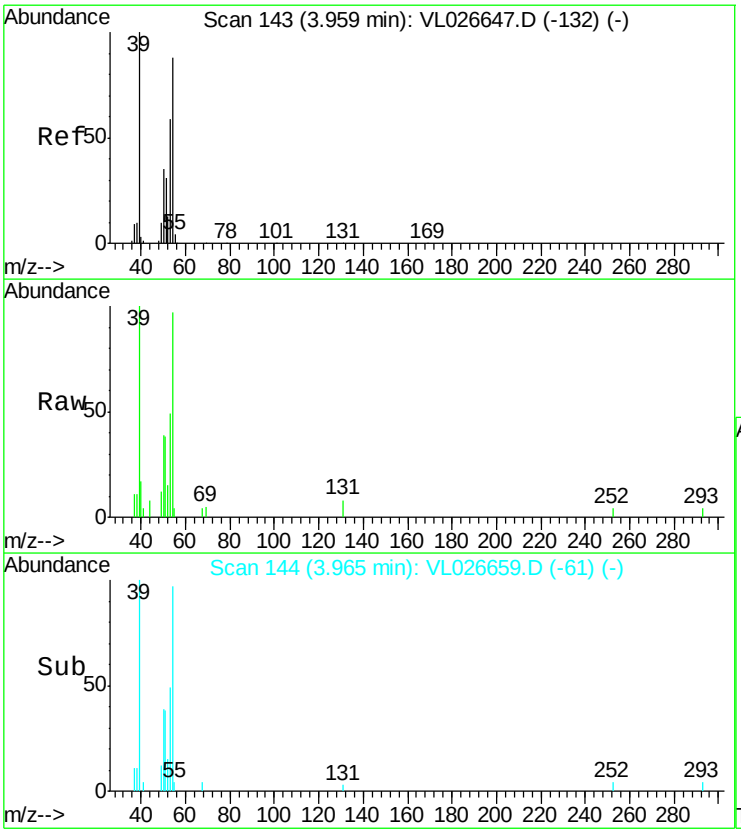
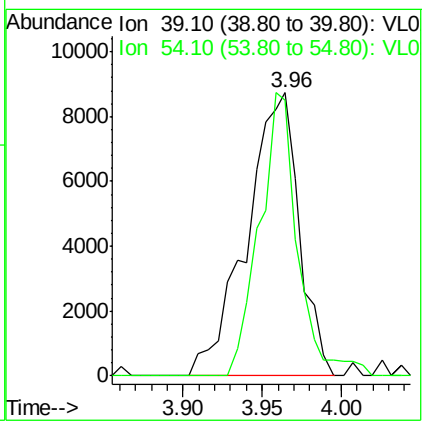
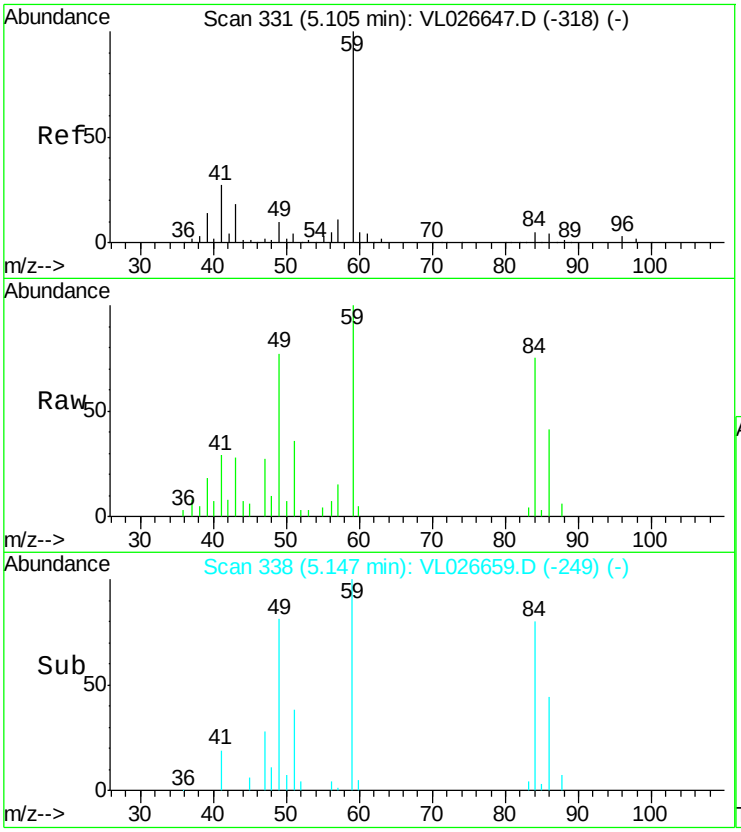


#16
1,3-Butadiene
Concen: 0.44 ppbv m
RT: 3.96 min Scan# 144
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 39 Resp: 20207

Ion	Ratio	Lower	Upper
39	100		
54	72.6	66.6	100.0





#17
tert-Butyl alcohol
Concen: 0.36 ppbv m
RT: 5.15 min Scan# 338
Delta R.T. 0.04 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 59 Resp: 31066

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.6#

Instrument :
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ClientSampleId :
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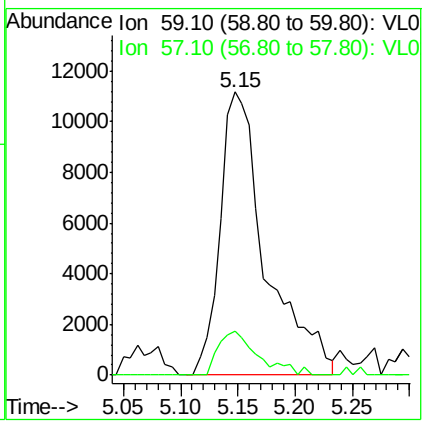
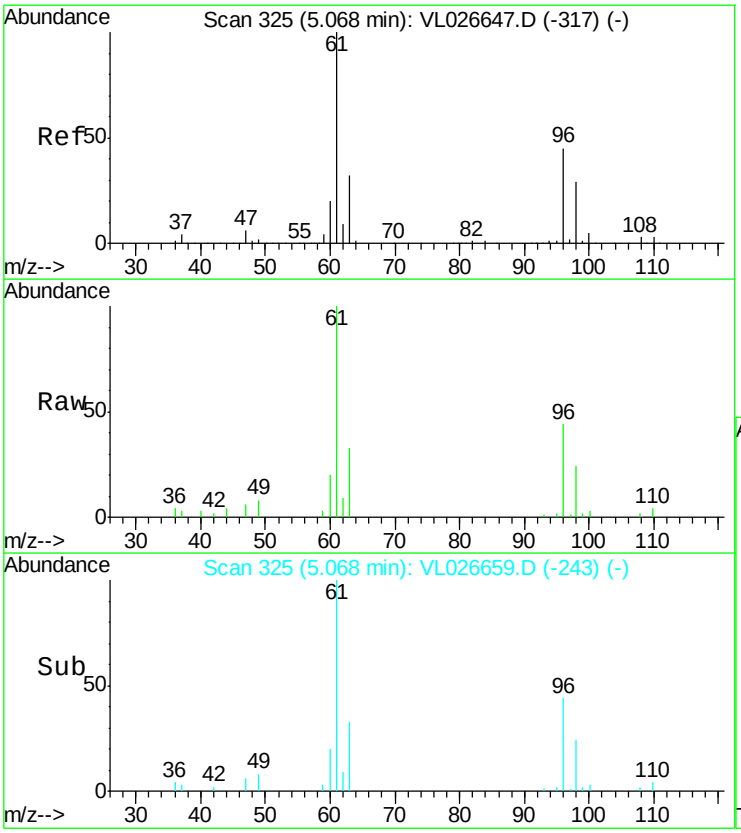
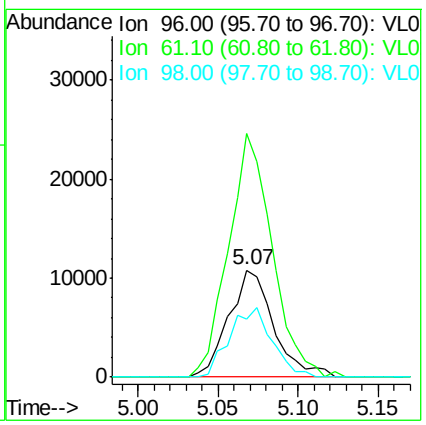


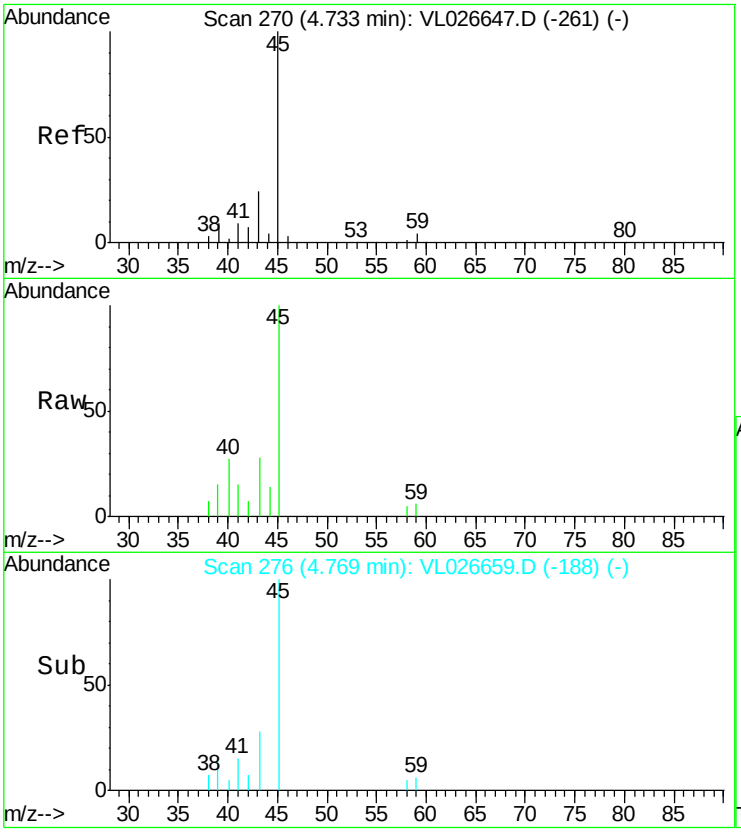


#18
1,1-Dichloroethene
Concen: 0.42 ppbv m
RT: 5.07 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 96 Resp: 20887

Ion	Ratio	Lower	Upper
96	100		
61	227.7	176.7	265.1
98	54.4	51.8	77.6

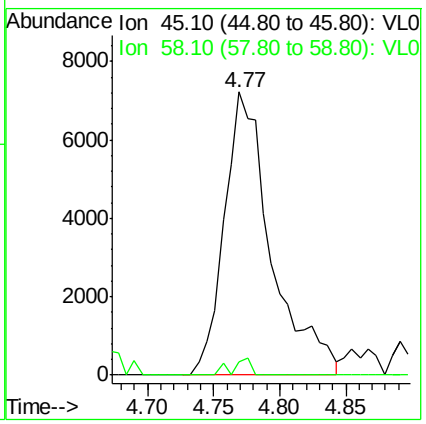




#19
Isopropyl Alcohol
Concen: 0.38 ppbv m
RT: 4.77 min Scan# 276
Delta R.T. 0.04 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 45 Resp: 17828

Ion	Ratio	Lower	Upper
45	100		
58	169.3	1.3	1.9#



Instrument :
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ClientSampleId :
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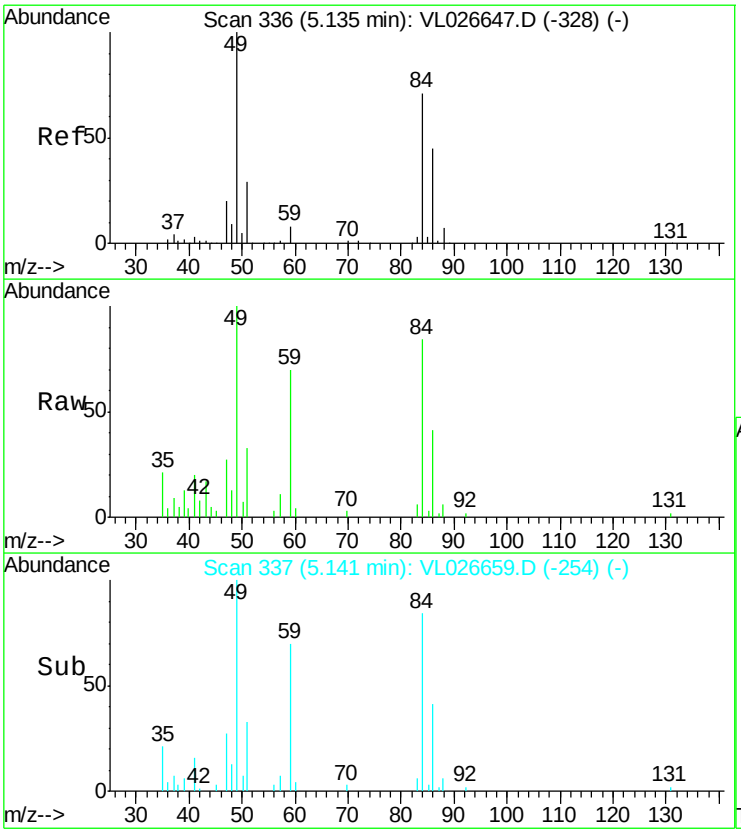
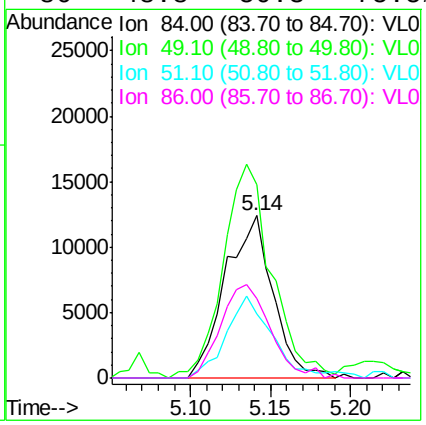
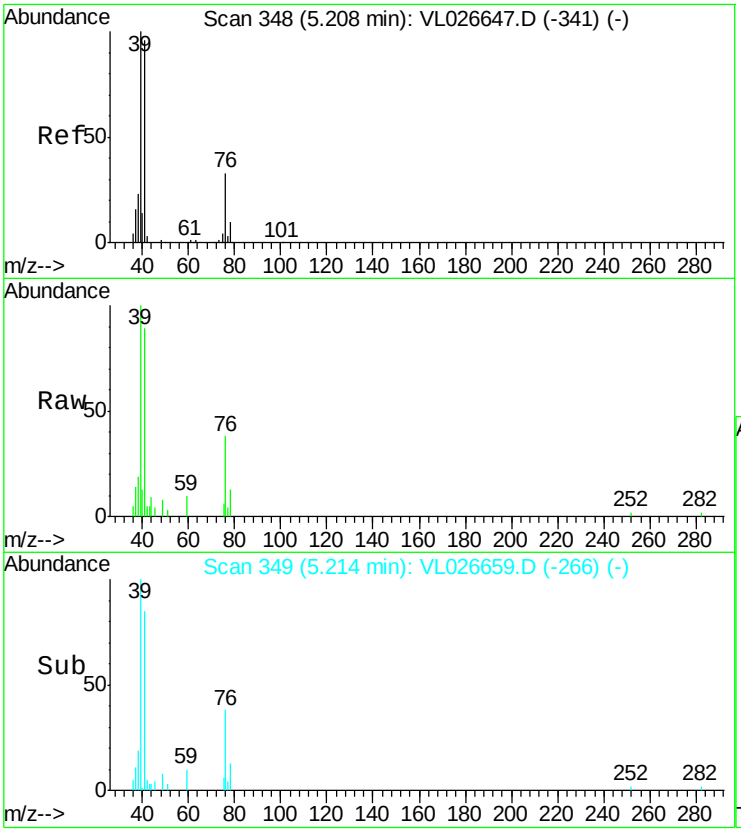


#20
Methylene Chloride
Concen: 0.55 ppbv m
RT: 5.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 84 Resp: 25669

Ion	Ratio	Lower	Upper
84	100		
49	119.1	112.3	168.5
51	39.7	32.5	48.7
86	48.8	50.3	75.5#

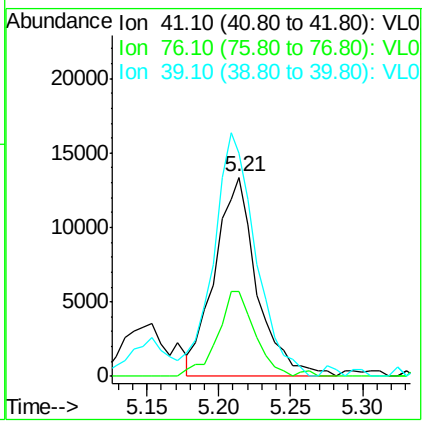




#21
Allvl Chloride
Concen: 0.39 ppbv
RT: 5.21 min Scan# 349
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 41 Resp: 27374

Ion	Ratio	Lower	Upper
41	100		
76	38.4	27.5	41.3
39	141.5	83.0	124.6#



Instrument :
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ClientSampleId :
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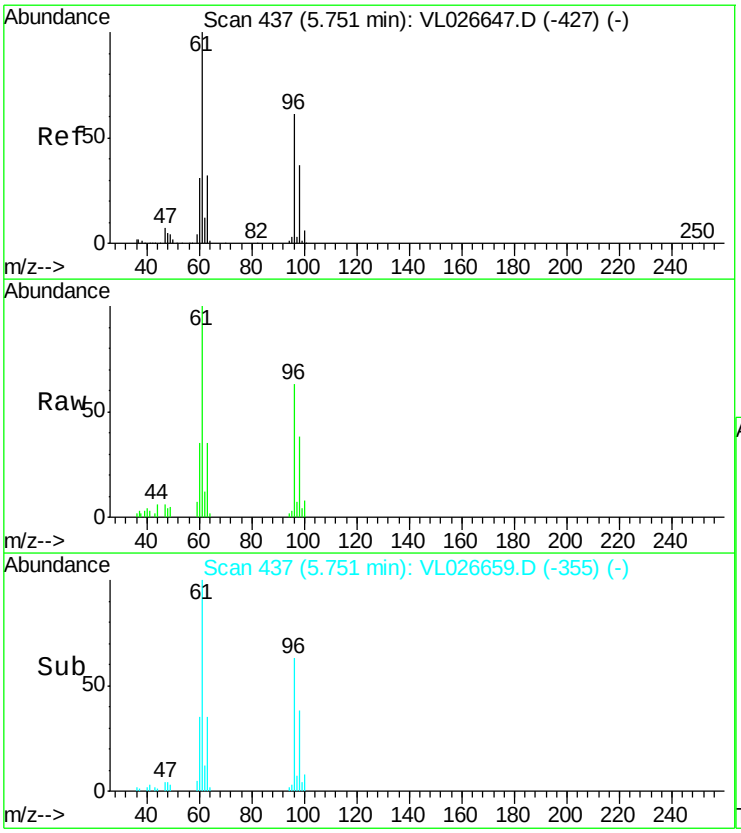
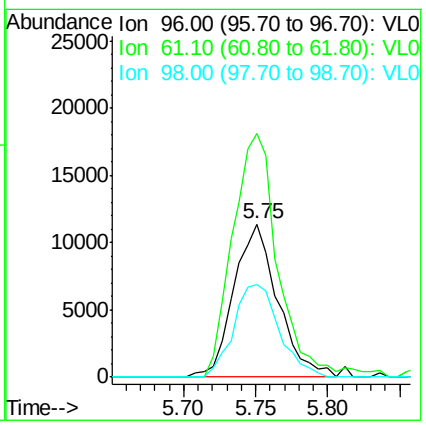
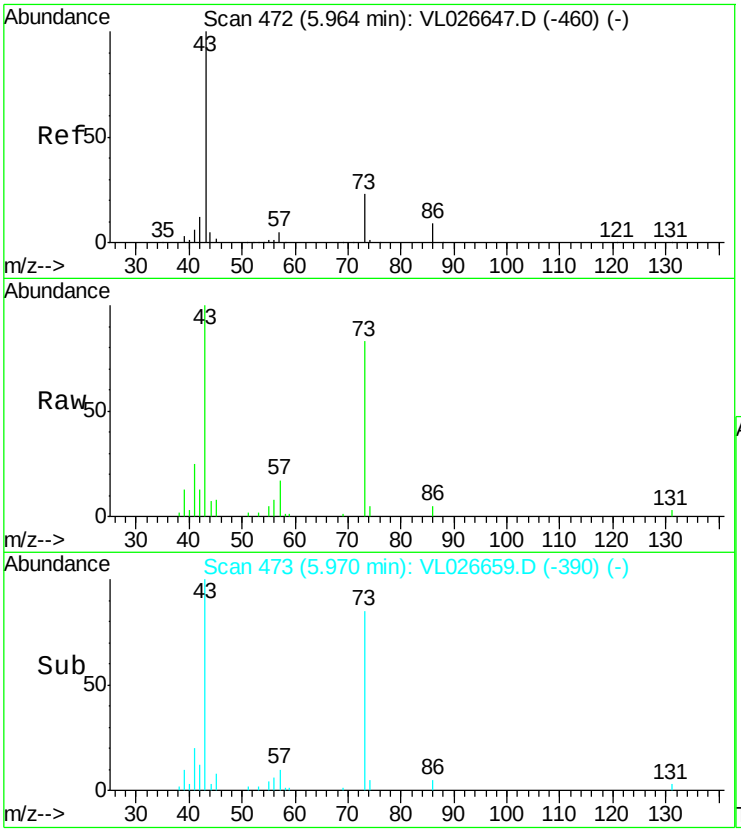


#22
trans-1,2-Dichloroethene
Concen: 0.43 ppbv
RT: 5.75 min Scan# 437
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 96 Resp: 24176

Ion	Ratio	Lower	Upper
96	100		
61	159.1	131.0	196.6
98	60.7	48.1	72.1

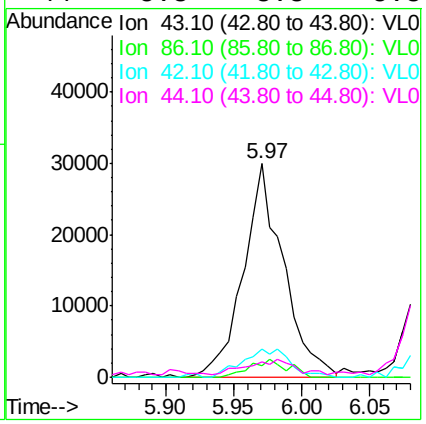




#23
Vinyl Acetate
Concen: 0.35 ppbv
RT: 5.97 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 43 Resp: 61603

Ion	Ratio	Lower	Upper
43	100		
86	5.3	7.4	11.0#
42	13.0	9.2	13.8
44	5.3	3.8	5.8



Instrument :
MSVOA_L
ClientSampleId :
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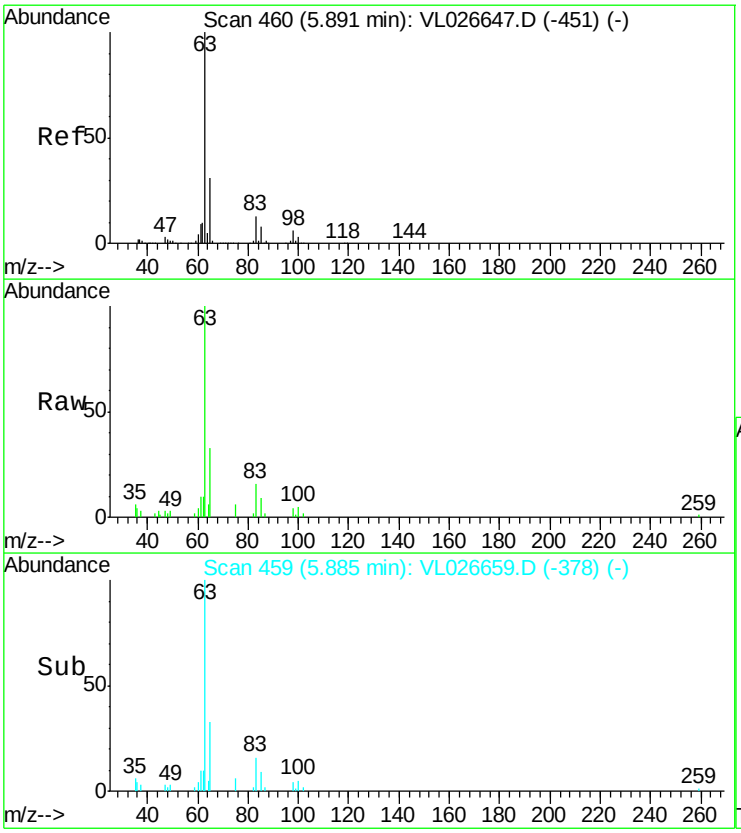
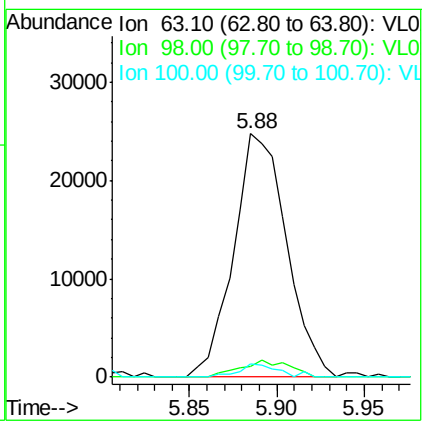
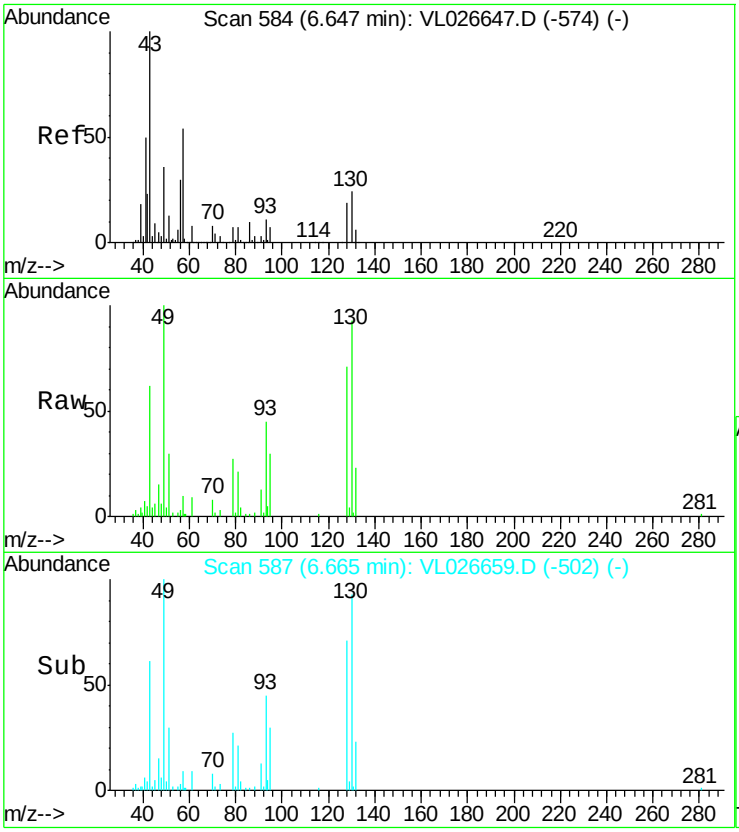


#24
1,1-Dichloroethane
Concen: 0.41 ppbv
RT: 5.88 min Scan# 459
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 63 Resp: 52121

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.9	8.7
100	5.4	1.6	4.8#

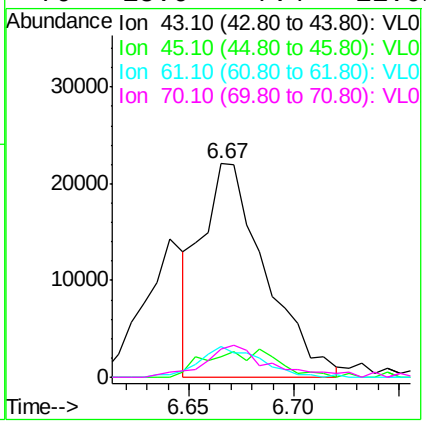




#25
Ethyl Acetate
Concen: 0.26 ppbv m
RT: 6.67 min Scan# 587
Delta R.T. 0.02 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 43 Resp: 46746

Ion	Ratio	Lower	Upper
43	100		
45	15.2	7.5	11.3#
61	14.0	7.3	10.9#
70	15.6	7.4	11.0#



Instrument :
MSVOA_L
ClientSampleId :
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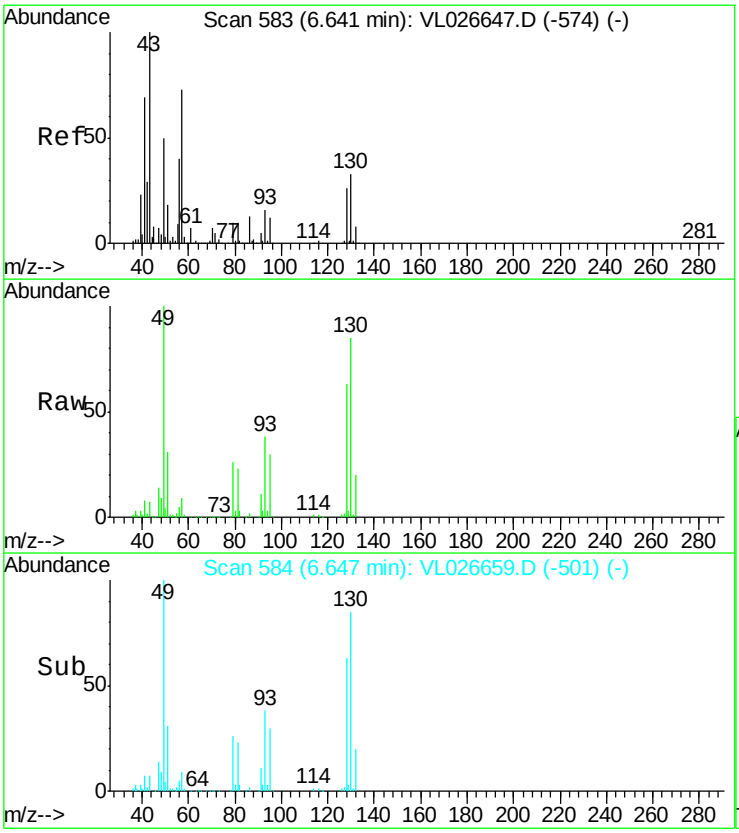
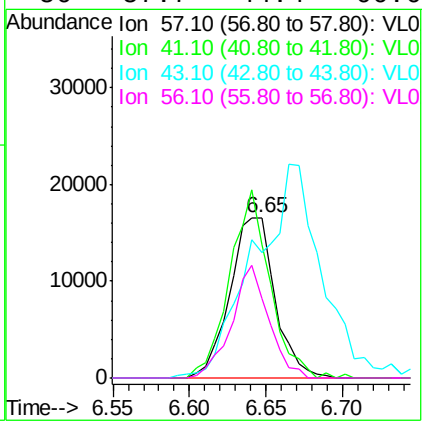
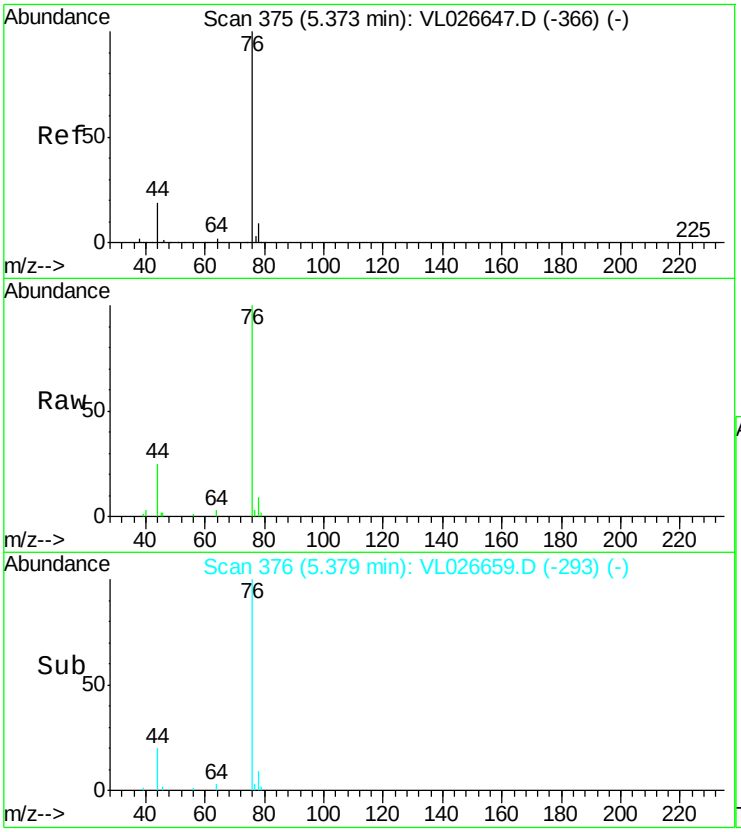


#26
Hexane
Concen: 0.37 ppbv
RT: 6.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 57 Resp: 33928

Ion	Ratio	Lower	Upper
57	100		
41	104.6	74.8	112.2
43	203.6	161.5	242.3
56	57.7	44.4	66.6

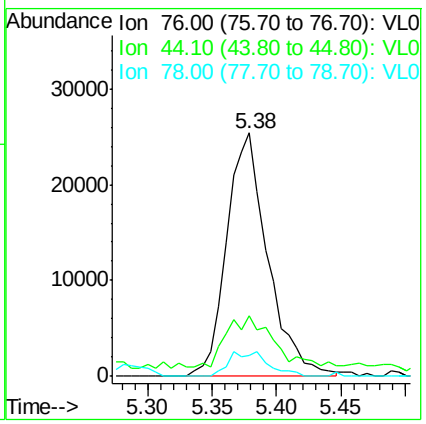




#27
Carbon Disulfide
Concen: 0.42 ppbv
RT: 5.38 min Scan# 376
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 76 Resp: 56547

Ion	Ratio	Lower	Upper
76	100		
44	40.8	15.9	23.9#
78	9.4	7.6	11.4



Instrument :
MSVOA_L
ClientSampleId :
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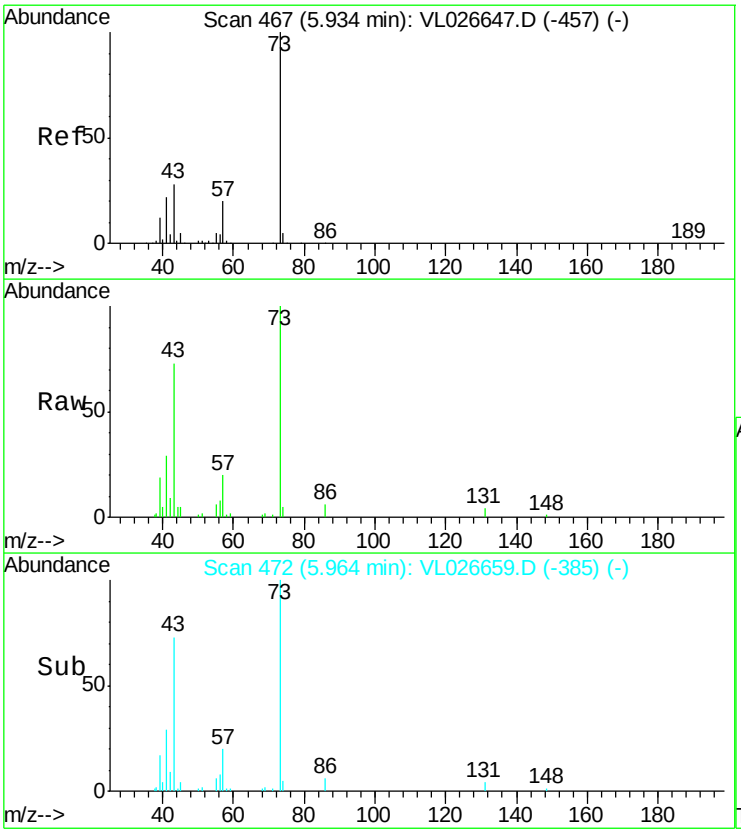
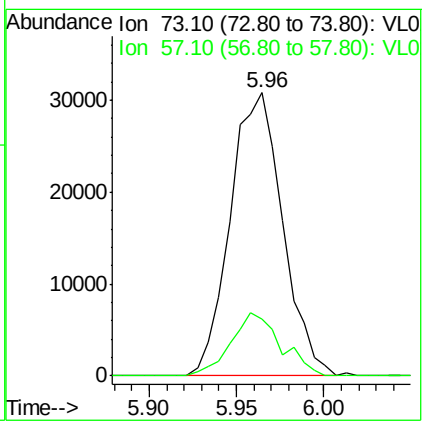
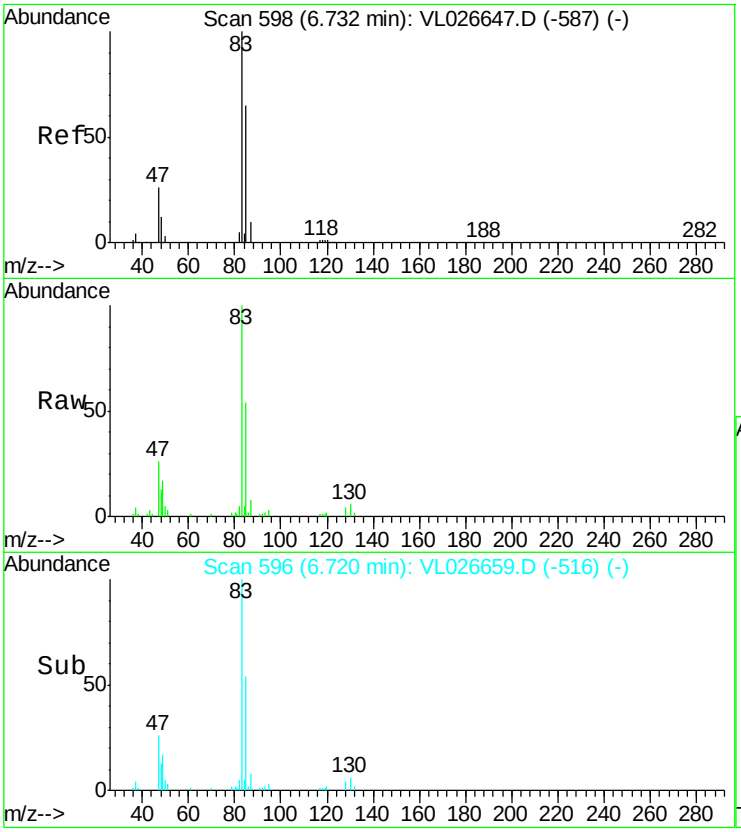


#28
Methyl tert-Butyl Ether
Concen: 0.35 ppbv
RT: 5.96 min Scan# 472
Delta R.T. 0.03 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 73 Resp: 64167

Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.2	24.4

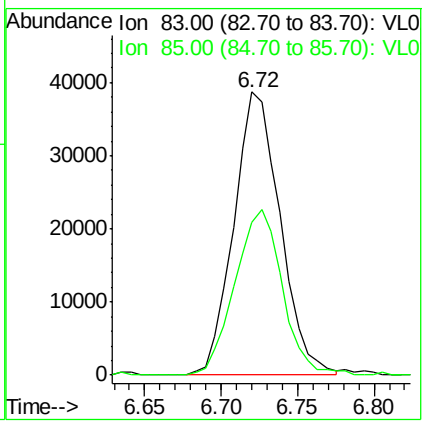




#29
Chloroform
Concen: 0.49 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 83 Resp: 81648

Ion	Ratio	Lower	Upper
83	100		
85	54.0	51.6	77.4



Instrument :
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ClientSampleId :
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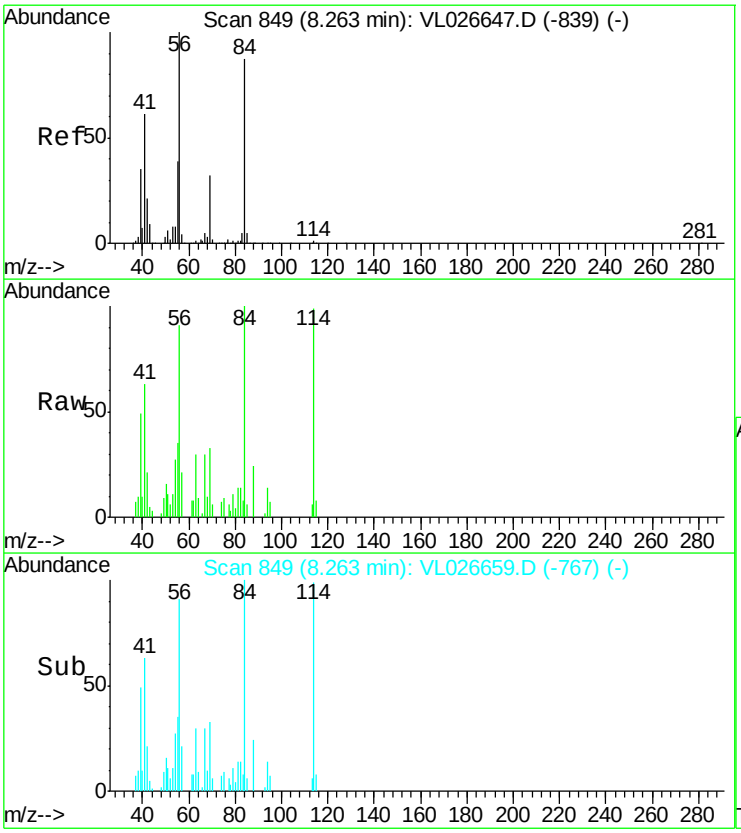
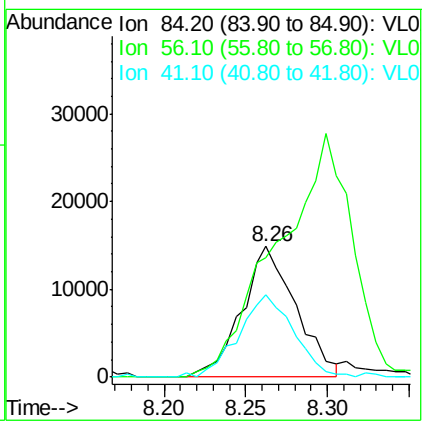
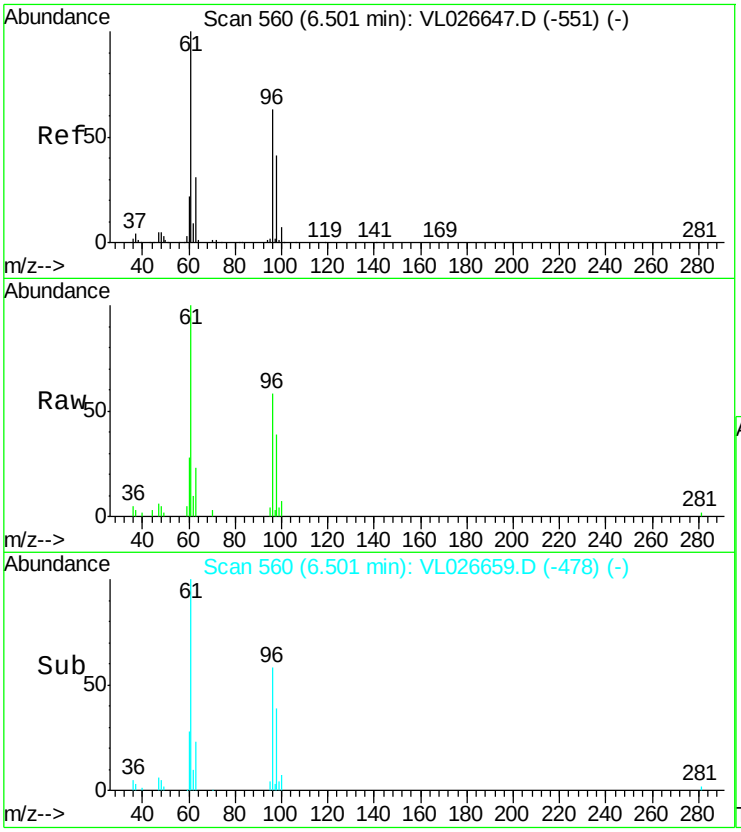


#30
Cyclohexane
Concen: 0.38 ppbv
RT: 8.26 min Scan# 849
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 84 Resp: 34407

Ion	Ratio	Lower	Upper
84	100		
56	0.0	95.9	143.9#
41	65.1	54.8	82.2

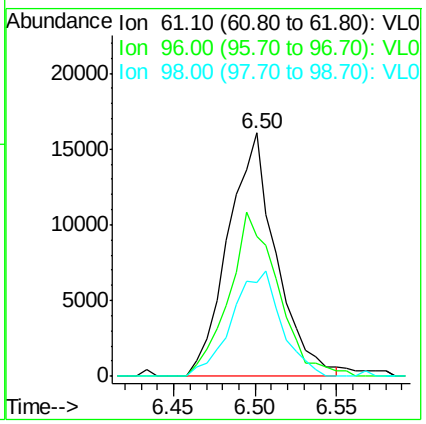




#31
cis-1,2-Dichloroethene
Concen: 0.36 ppbv
RT: 6.50 min Scan# 560
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 61 Resp: 33011

Ion	Ratio	Lower	Upper
61	100		
96	57.7	50.2	75.4
98	38.6	32.4	48.6



Instrument :
MSVOA_L
ClientSampleId :
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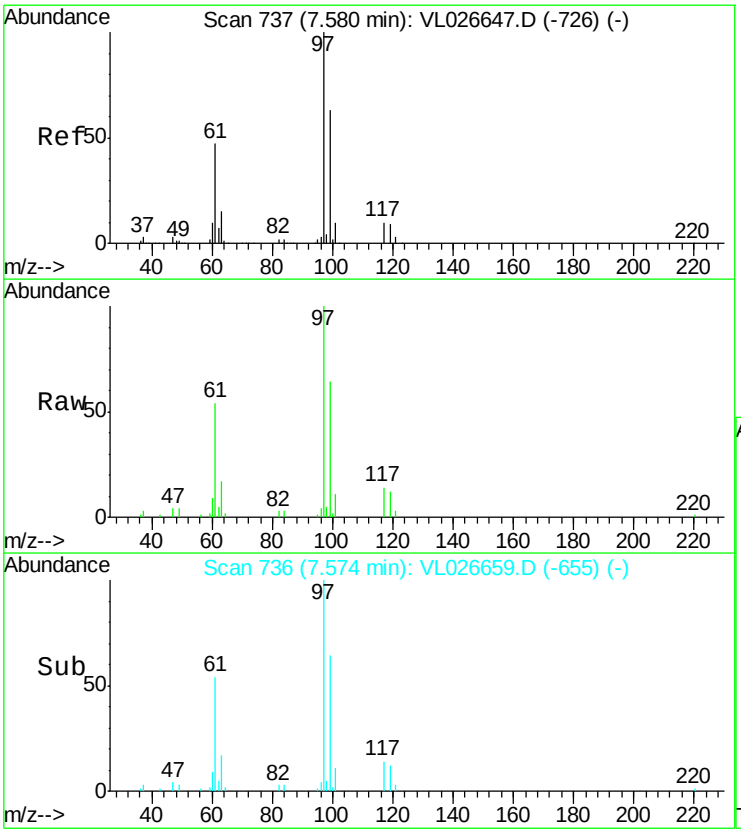
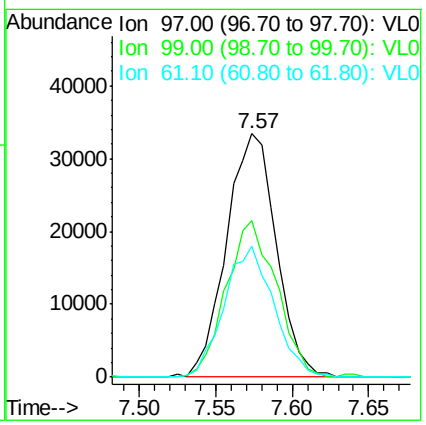
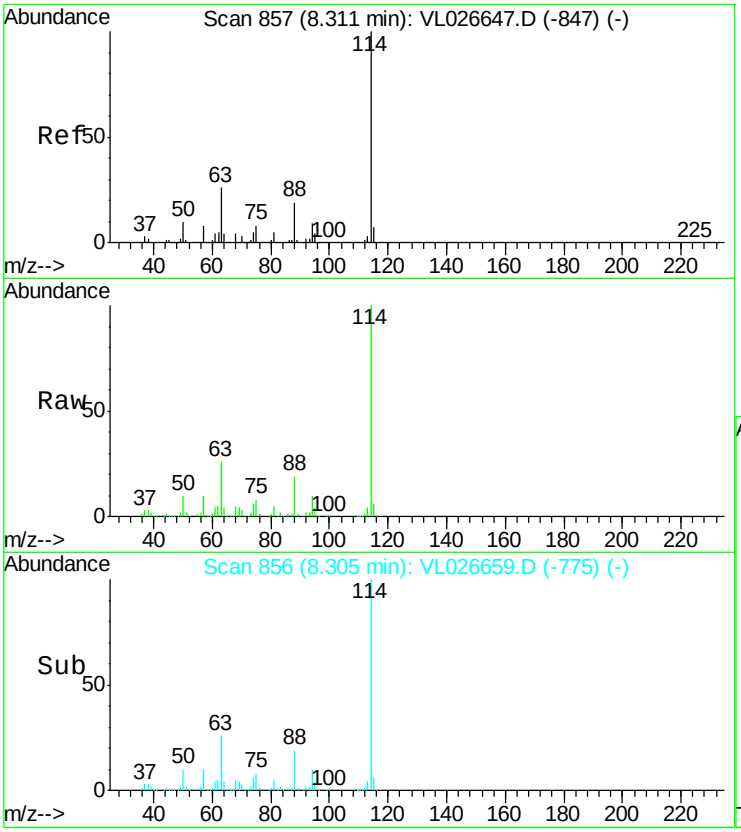


#32
1,1,1-Trichloroethane
Concen: 0.40 ppbv
RT: 7.57 min Scan# 736
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 97 Resp: 75564

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.8	76.2
61	53.8	38.9	58.3

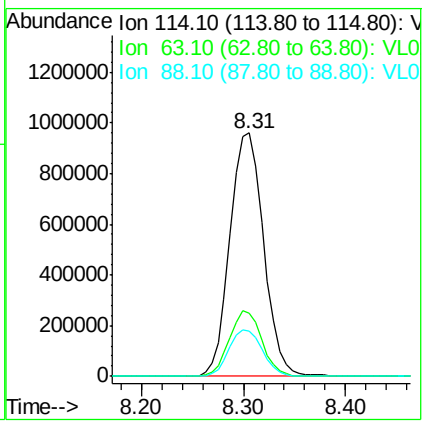




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.31 min Scan# 856
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:114 Resp: 2205449

Ion	Ratio	Lower	Upper
114	100		
63	26.1	21.7	32.5
88	19.2	15.2	22.8



Instrument :
MSVOA_L
ClientSampleId :
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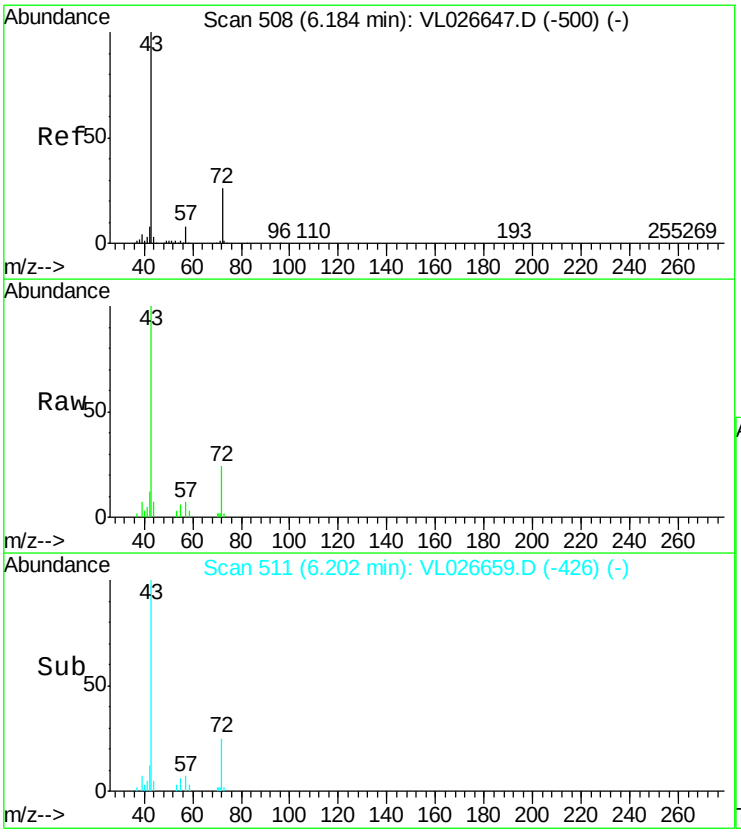
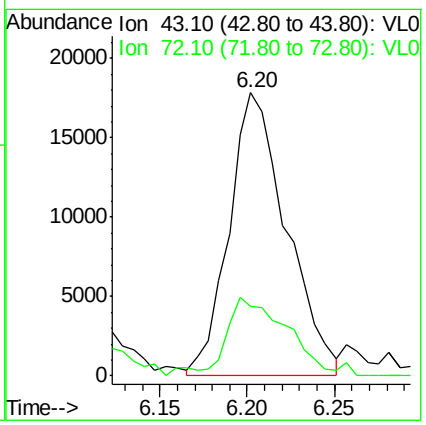
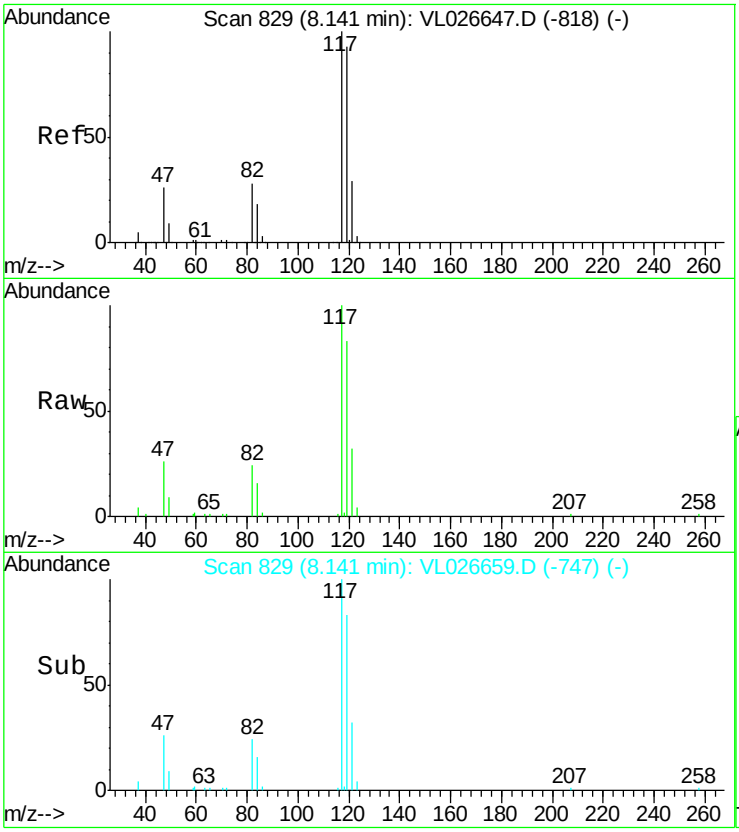


#34
2-Butanone
Concen: 0.35 ppbv
RT: 6.20 min Scan# 511
Delta R.T. 0.02 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 43 Resp: 40921

Ion	Ratio	Lower	Upper
43	100		
72	30.3	20.9	31.3

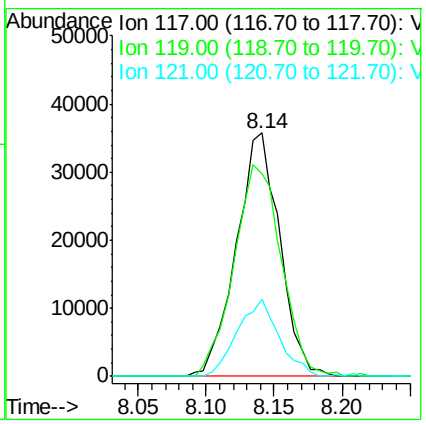




#35
Carbon Tetrachloride
Concen: 0.41 ppbv
RT: 8.14 min Scan# 829
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:117 Resp: 79715

Ion	Ratio	Lower	Upper
117	100		
119	83.2	74.7	112.1
121	31.7	23.1	34.7



Instrument :
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ClientSampleId :
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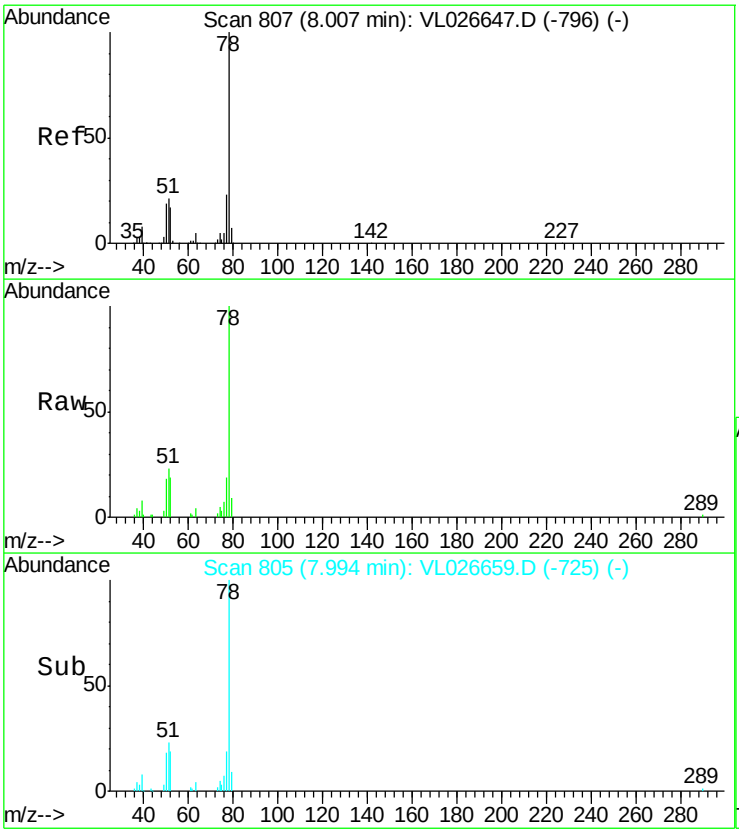
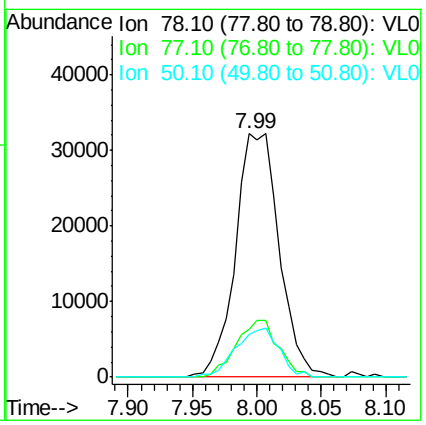
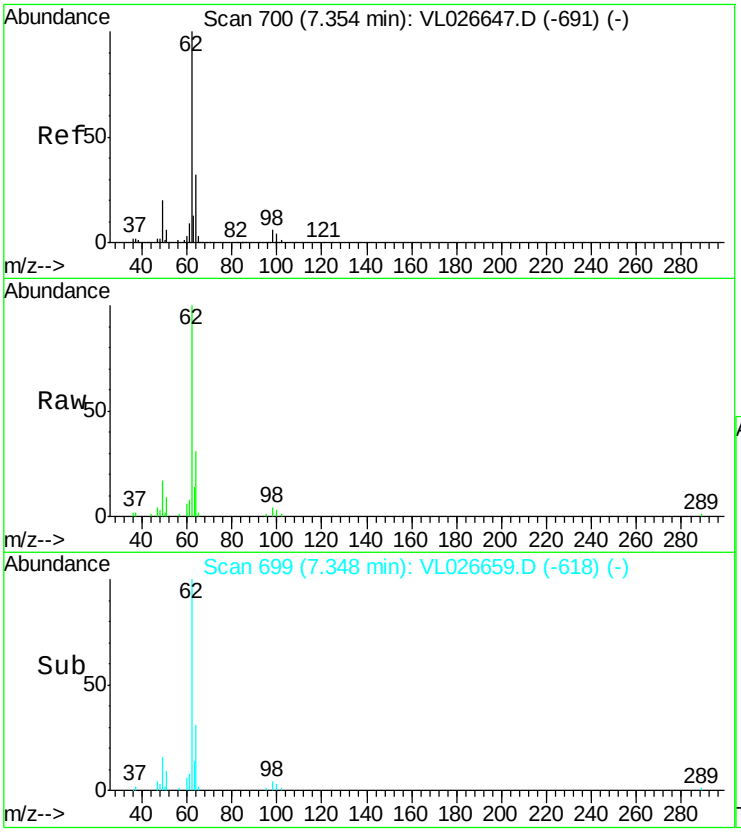


#36
Benzene
Concen: 0.33 ppbv
RT: 7.99 min Scan# 805
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 78 Resp: 75843

Ion	Ratio	Lower	Upper
78	100		
77	19.4	18.5	27.7
50	17.8	15.4	23.2

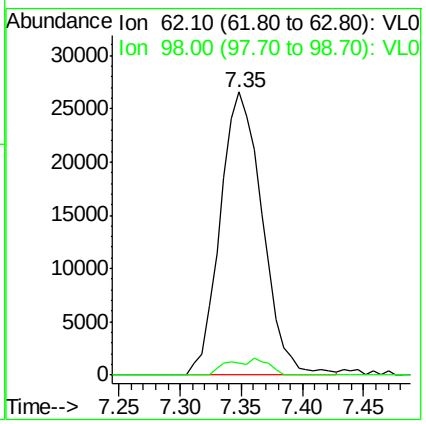




#37
1,2-Dichloroethane
Concen: 0.41 ppbv
RT: 7.35 min Scan# 699
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 62 Resp: 63566

Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.8	7.2



Instrument :
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ClientSampleId :
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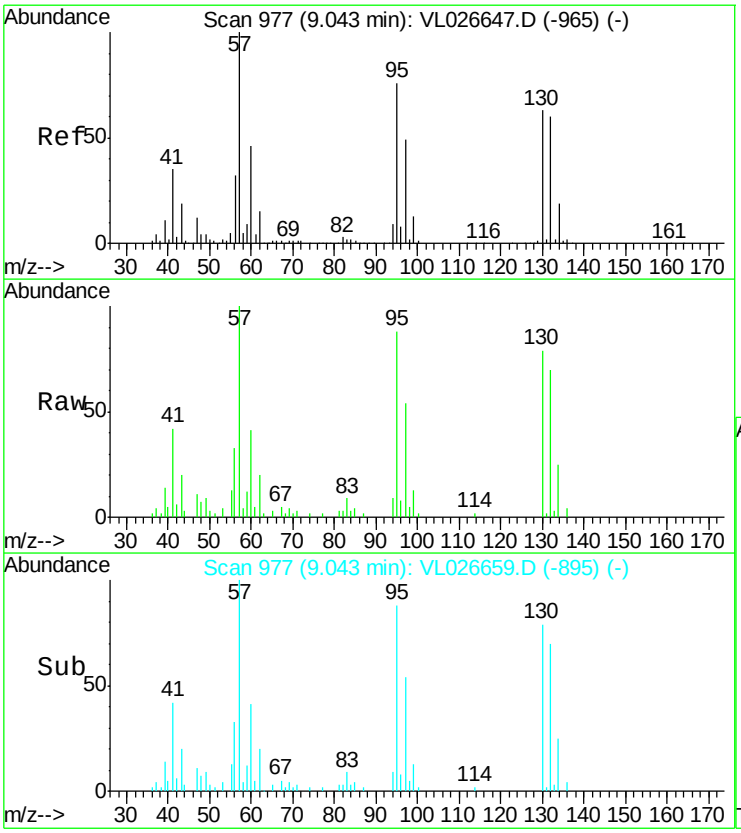
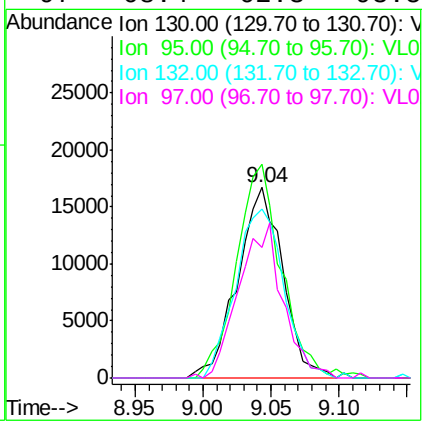
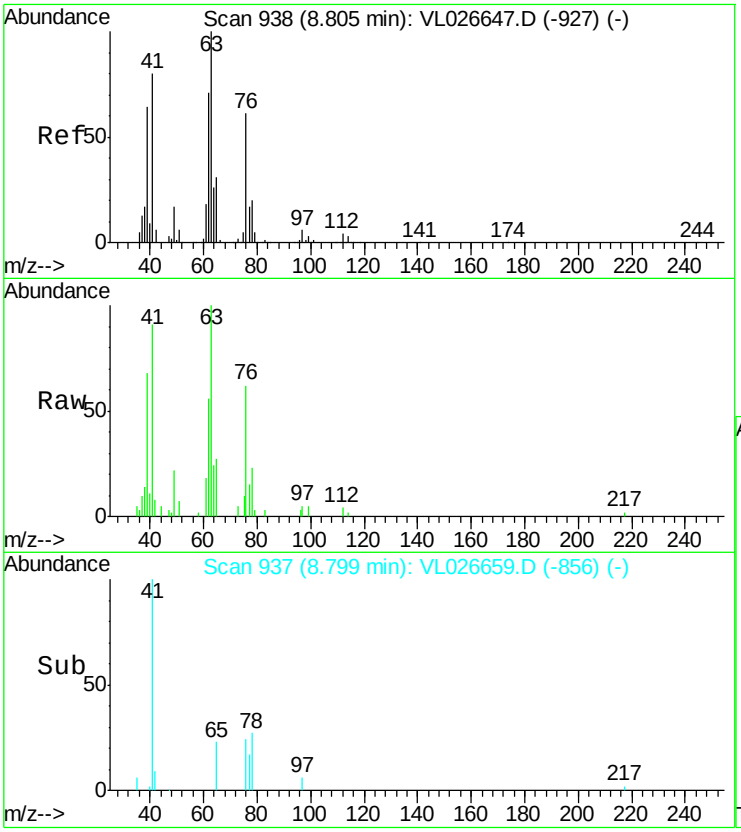


#38
Trichloroethene
Concen: 0.38 ppbv
RT: 9.04 min Scan# 977
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:130 Resp: 38844

Ion	Ratio	Lower	Upper
130	100		
95	112.2	96.6	145.0
132	89.0	76.2	114.4
97	68.4	62.3	93.5





#39
1,2-Dichloropropane
Concen: 0.41 ppbv
RT: 8.80 min Scan# 937
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 63 Resp: 32400

Ion	Ratio	Lower	Upper
63	100		
41	90.6	64.1	96.1
62	56.4	56.6	84.8#

Instrument :
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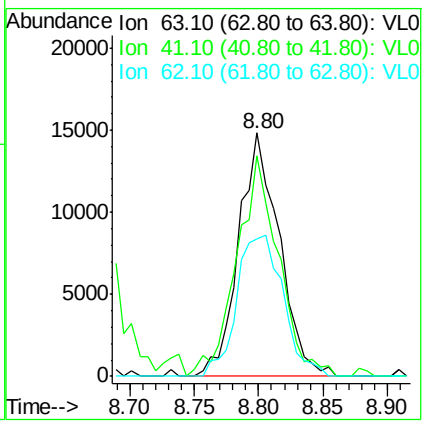
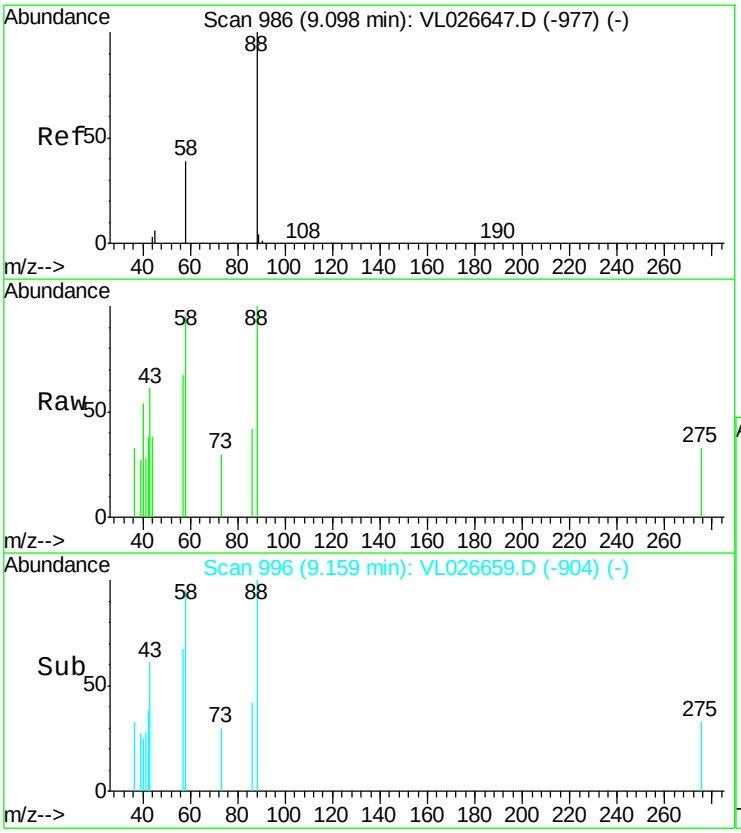
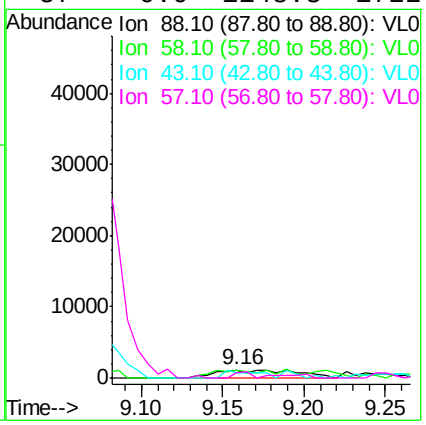


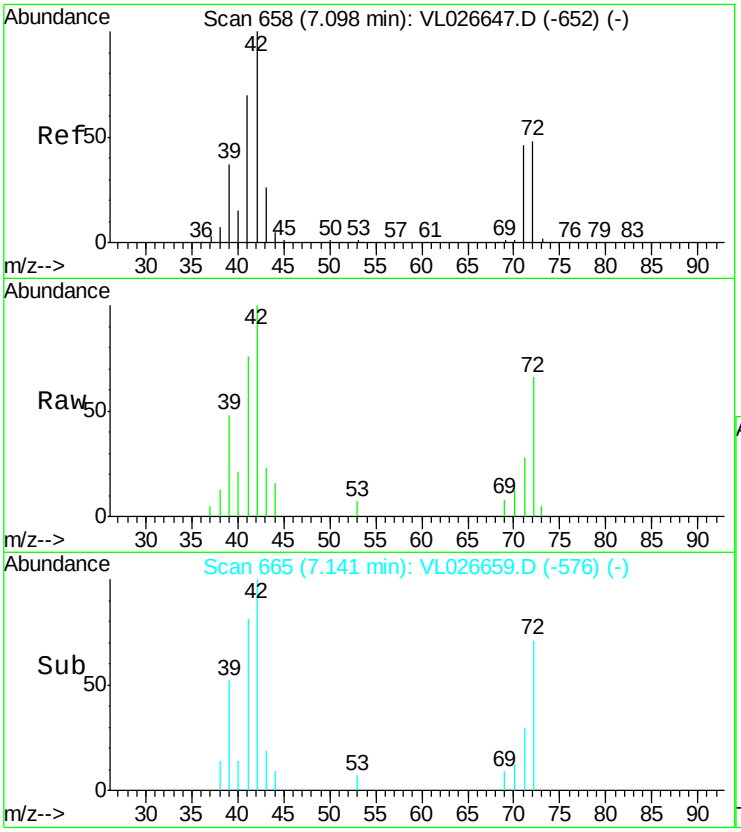


#40
1,4-Dioxane
Concen: 0.22 ppbv m
RT: 9.16 min Scan# 996
Delta R.T. 0.06 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 88 Resp: 3986

Ion	Ratio	Lower	Upper
88	100		
58	0.0	109.4	164.2#
43	53.0	238.2	357.2#
57	0.0	1148.3	1722.5#

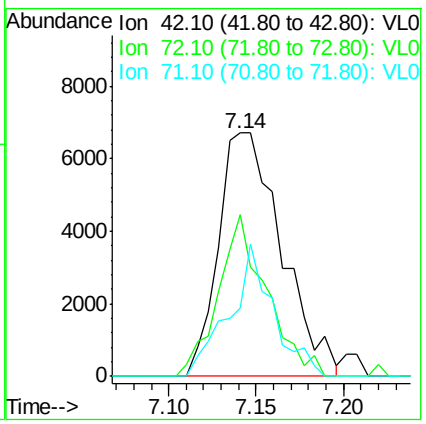




#41
Tetrahydrofuran
Concen: 0.29 ppbv
RT: 7.14 min Scan# 665
Delta R.T. 0.04 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 42 Resp: 16884

Ion	Ratio	Lower	Upper
42	100		
72	50.7	40.6	60.8
71	37.5	38.4	57.6#



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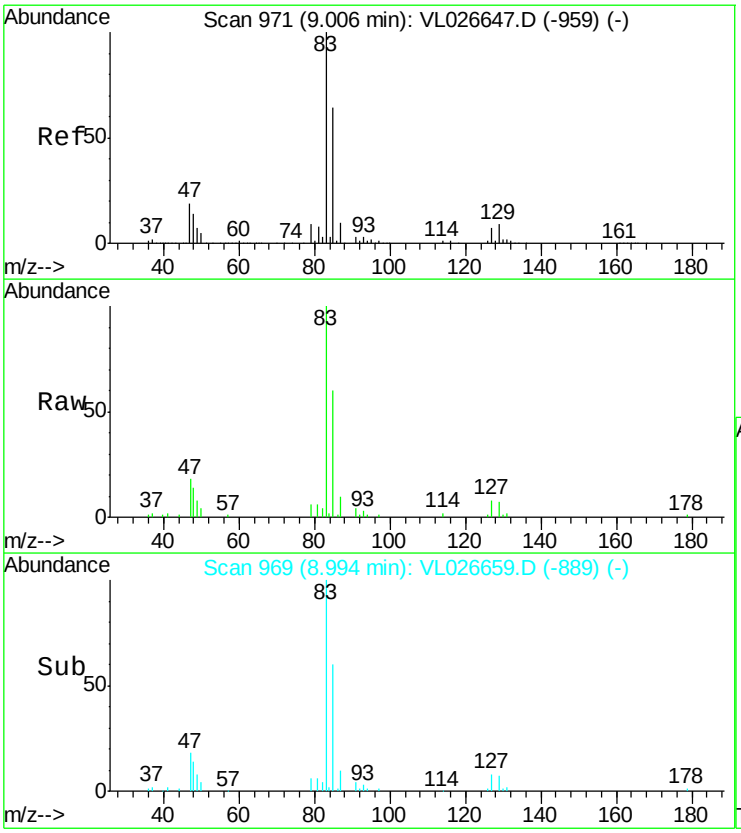
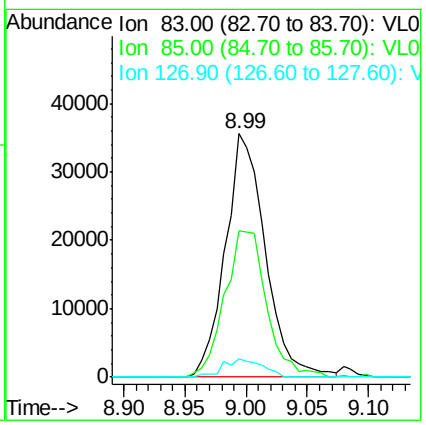
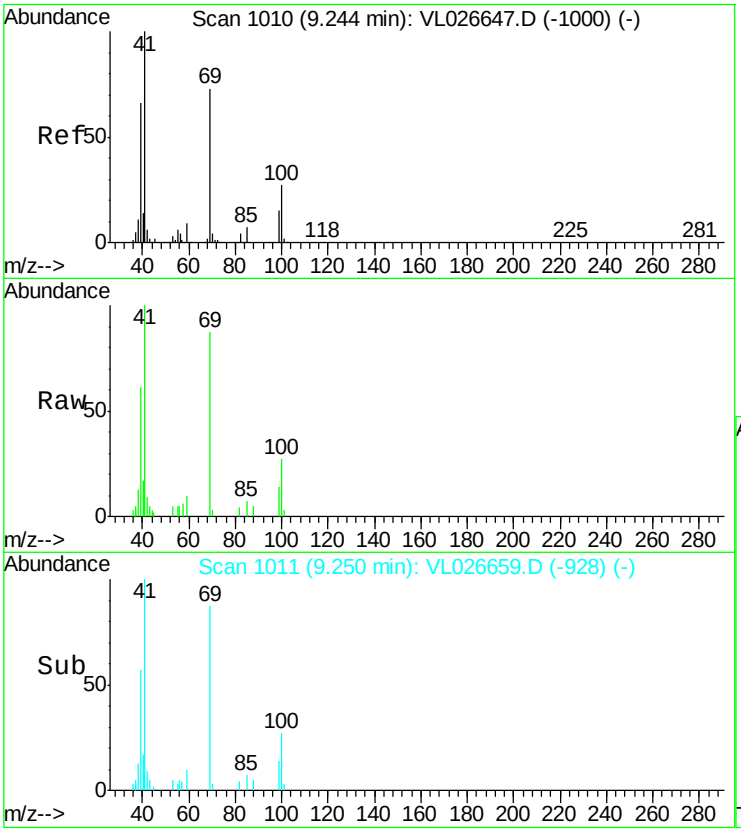


#42
Bromodichloromethane
Concen: 0.40 ppbv
RT: 8.99 min Scan# 969
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 83 Resp: 80712

Ion	Ratio	Lower	Upper
83	100		
85	59.8	50.9	76.3
127	7.5	5.5	8.3

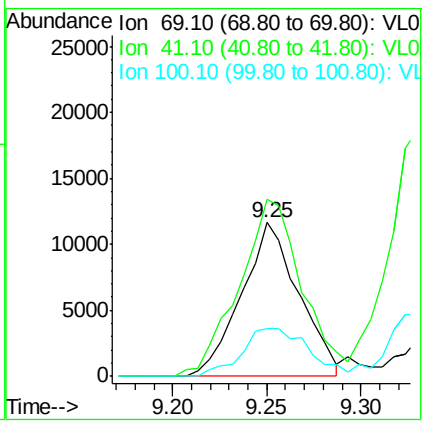




#43
Methyl Methacrylate
Concen: 0.30 ppbv
RT: 9.25 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 69 Resp: 24564

Ion	Ratio	Lower	Upper
69	100		
41	125.1	106.1	159.1
100	38.3	29.0	43.4



Instrument :
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ClientSampleId :
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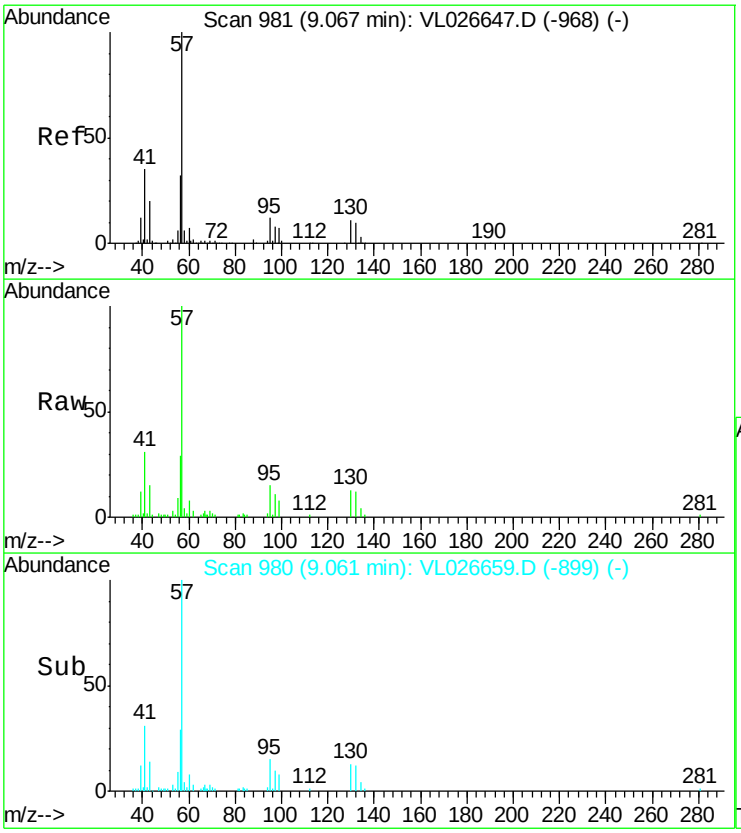
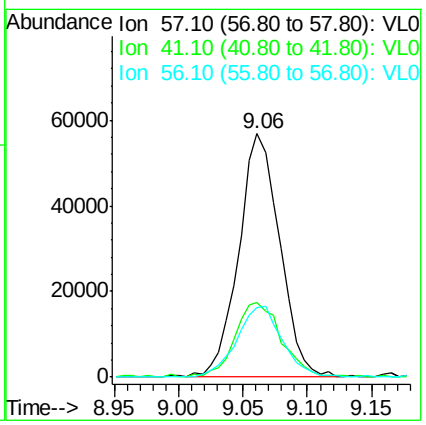
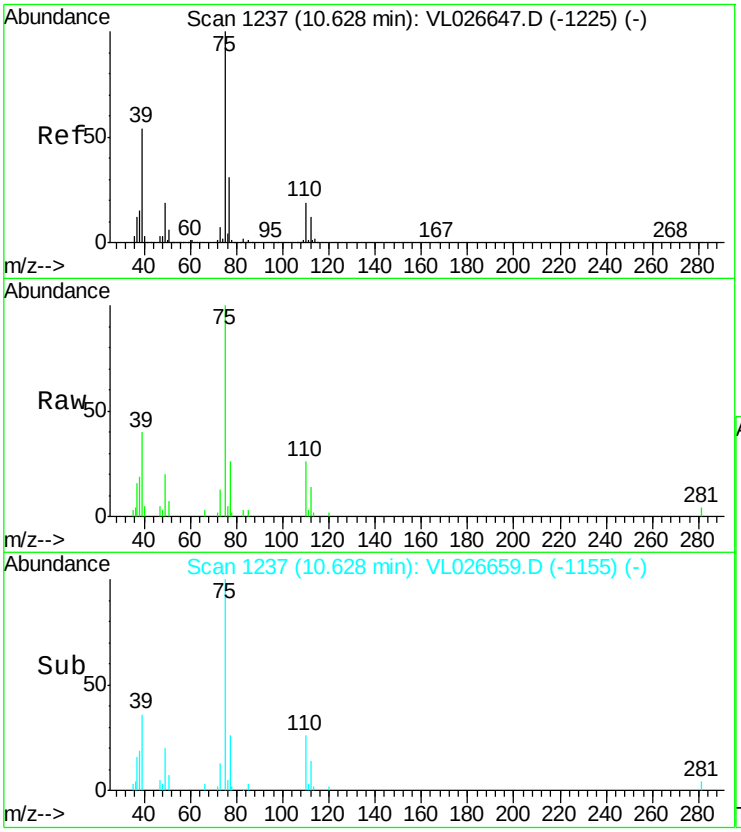


#44
2,2,4-Trimethylpentane
Concen: 0.34 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 57 Resp: 125360

Ion	Ratio	Lower	Upper
57	100		
41	34.9	26.9	40.3
56	32.6	25.4	38.0





#45
t-1,3-Dichloropropene
Concen: 0.27 ppbv
RT: 10.63 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 75 Resp: 36842

Ion	Ratio	Lower	Upper
75	100		
77	27.9	24.6	37.0

Instrument :
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ClientSampleId :
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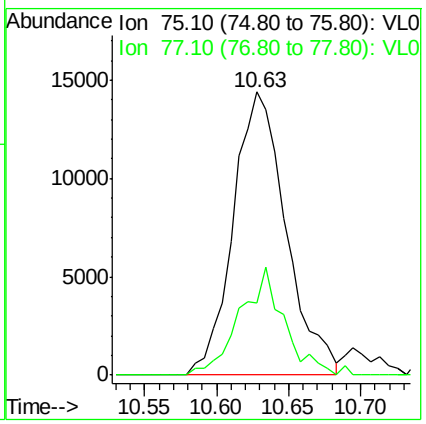
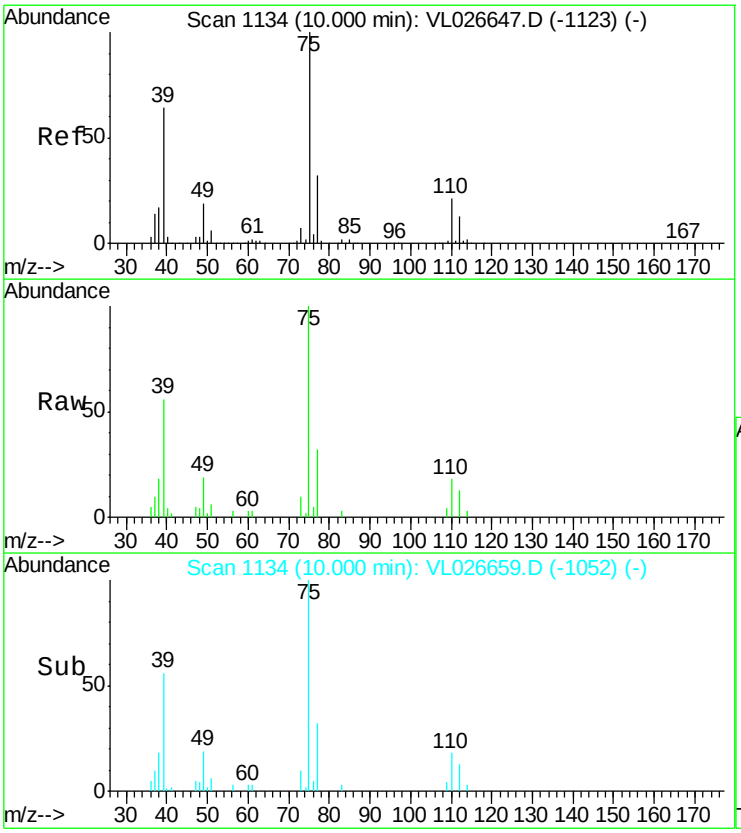
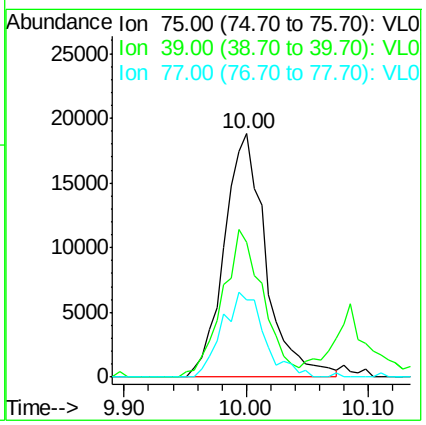


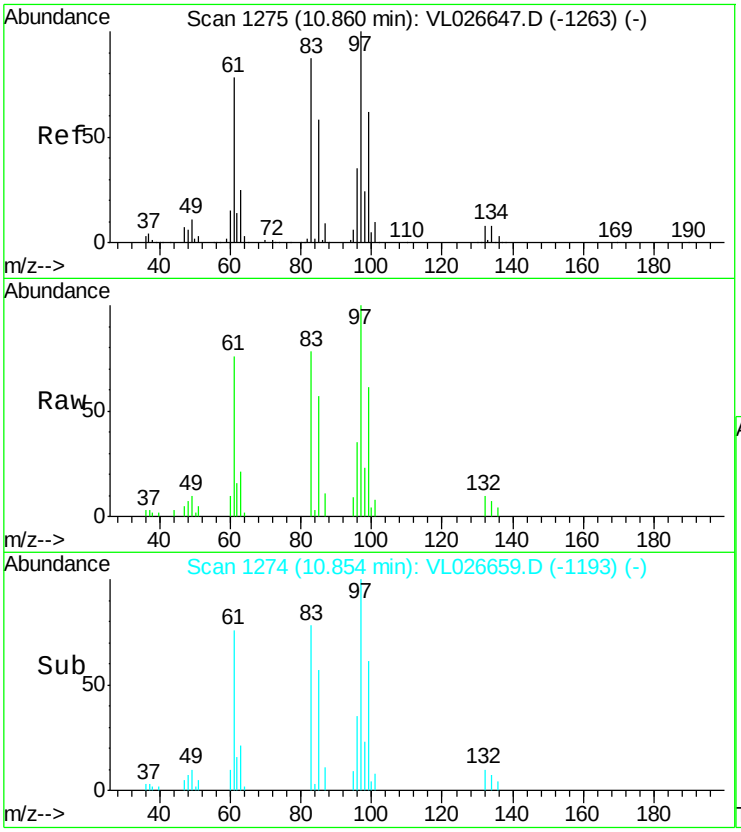


#46
cis-1,3-Dichloropropene
Concen: 0.29 ppbv
RT: 10.00 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 75 Resp: 44501

Ion	Ratio	Lower	Upper
75	100		
39	53.5	51.2	76.8
77	31.7	25.9	38.9

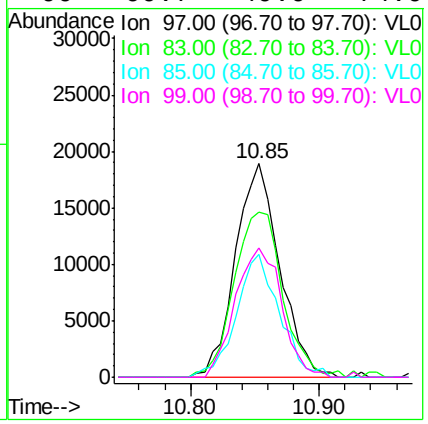




#47
1,1,2-Trichloroethane
Concen: 0.40 ppbv
RT: 10.85 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 97 Resp: 45167

Ion	Ratio	Lower	Upper
97	100		
83	77.5	69.5	104.3
85	57.3	46.4	69.6
99	60.7	49.9	74.9



Instrument :
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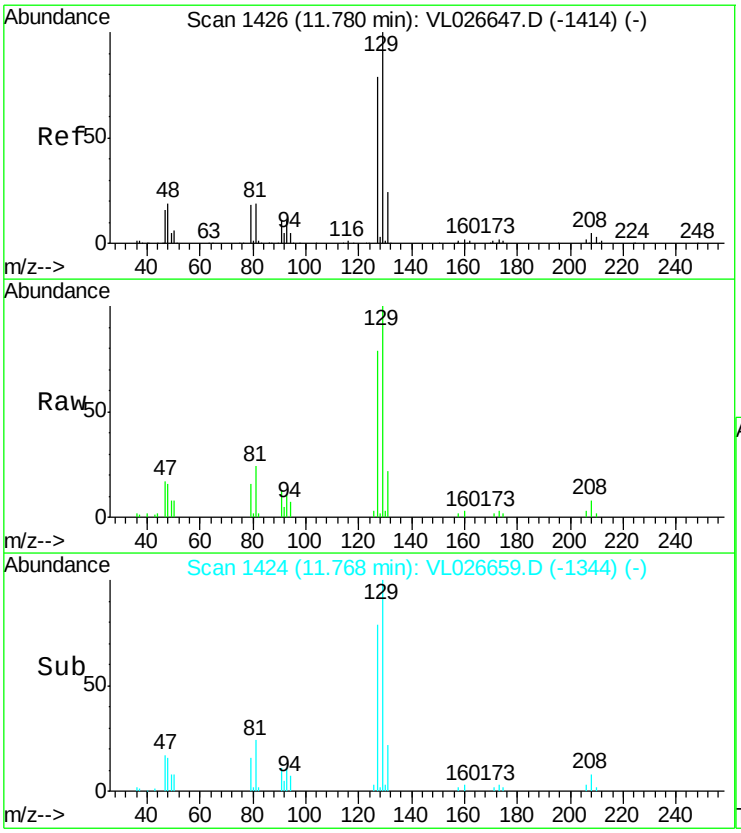
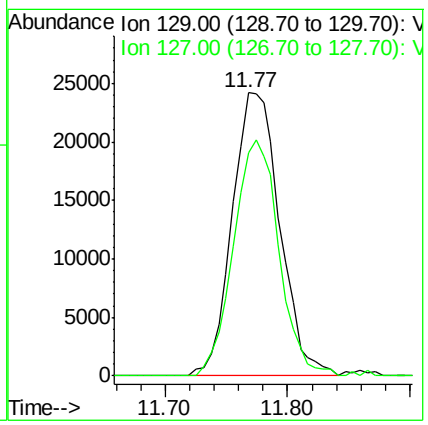
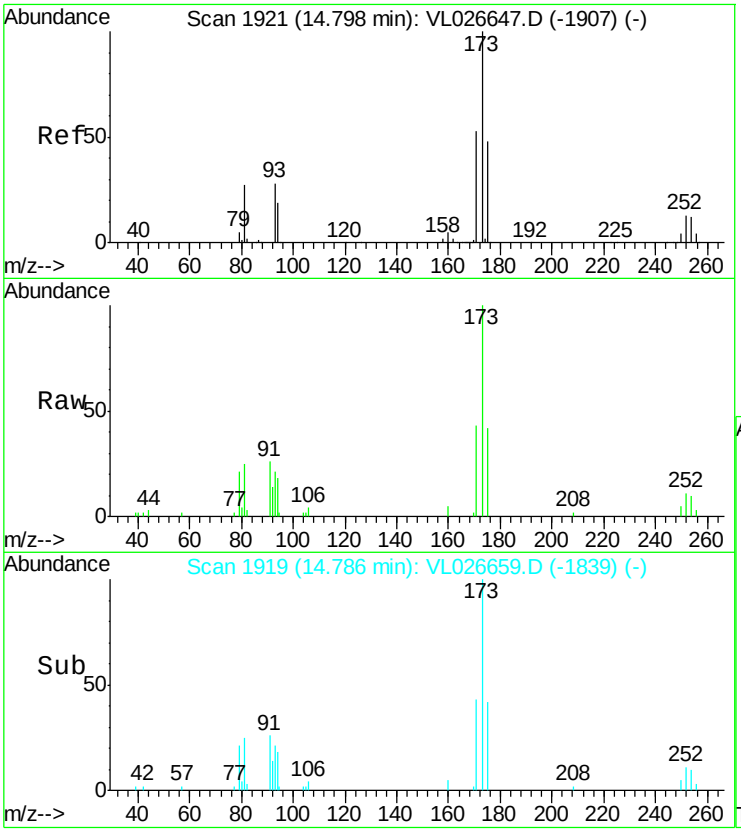


#48
Dibromochloromethane
Concen: 0.39 ppbv
RT: 11.77 min Scan# 1424
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:129 Resp: 65286

Ion	Ratio	Lower	Upper
129	100		
127	79.9	39.5	118.5

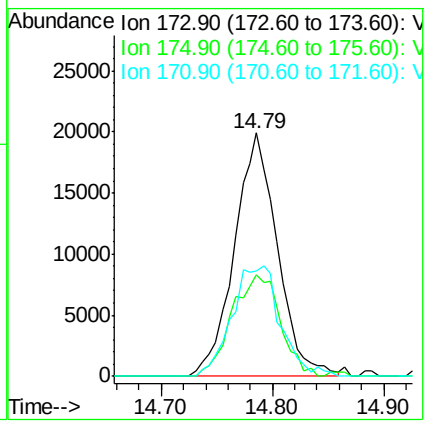




#49
Bromoform
Concen: 0.39 ppbv
RT: 14.79 min Scan# 1919
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:173 Resp: 53338

Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.6	58.0
171	51.1	41.5	62.3



Instrument :
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ClientSampleId :
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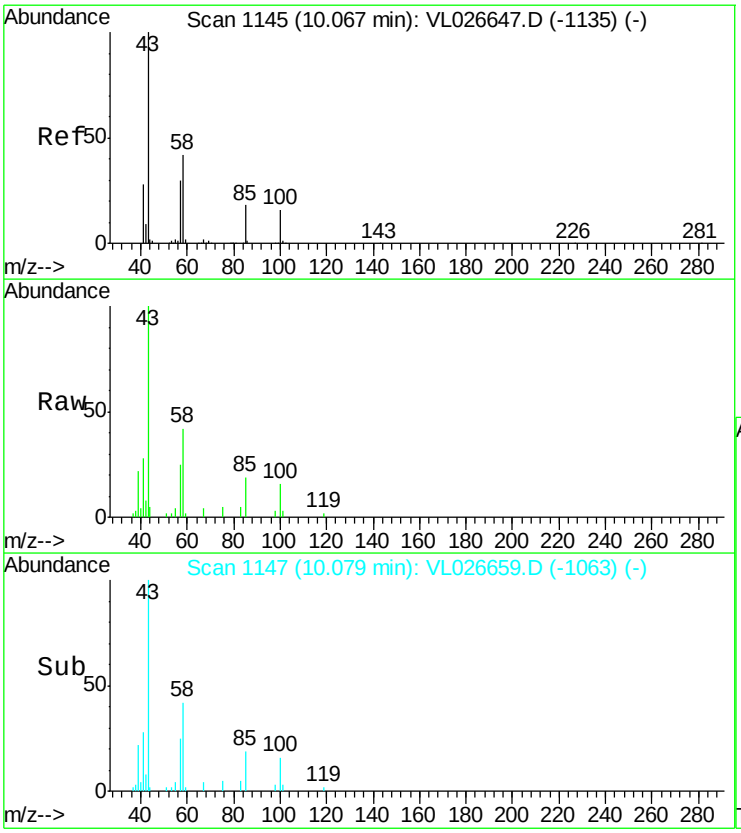
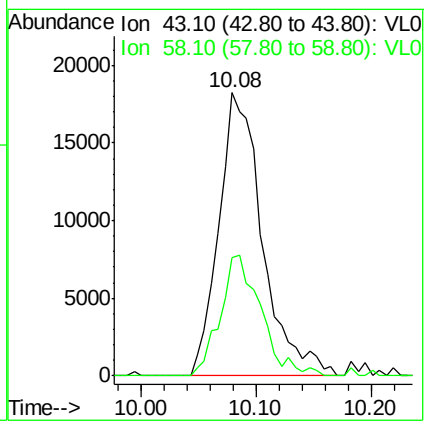
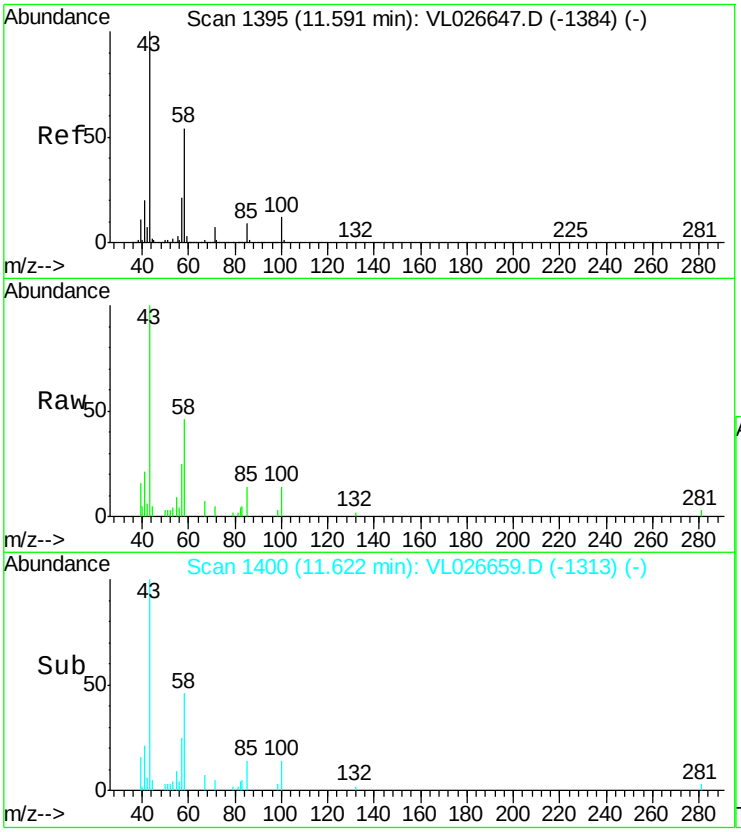


#50
4-Methyl-2-Pentanone
Concen: 0.29 ppbv m
RT: 10.08 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 43 Resp: 47948

Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.4	48.6

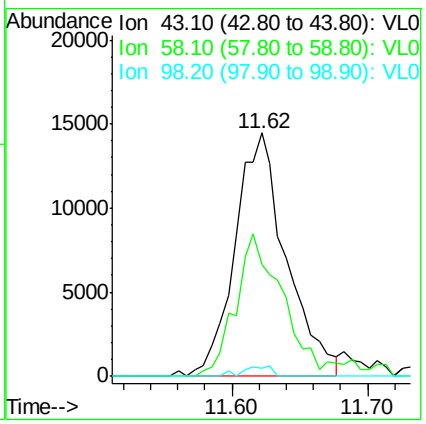




#51
2-Hexanone
Concen: 0.25 ppbv
RT: 11.62 min Scan# 1400
Delta R.T. 0.03 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 43 Resp: 37888

Ion	Ratio	Lower	Upper
43	100		
58	57.9	44.9	67.3
98	2.3	0.2	0.2#



Instrument :
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ClientSampleId :
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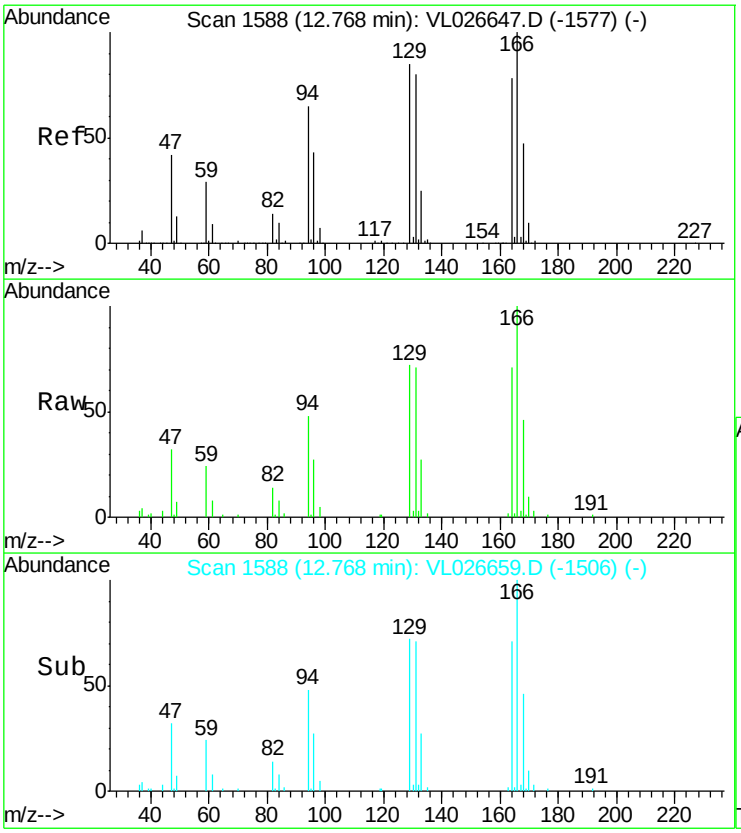
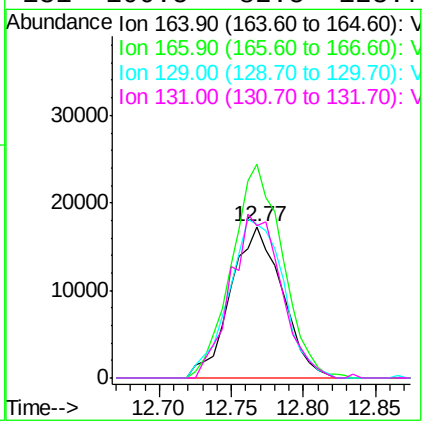
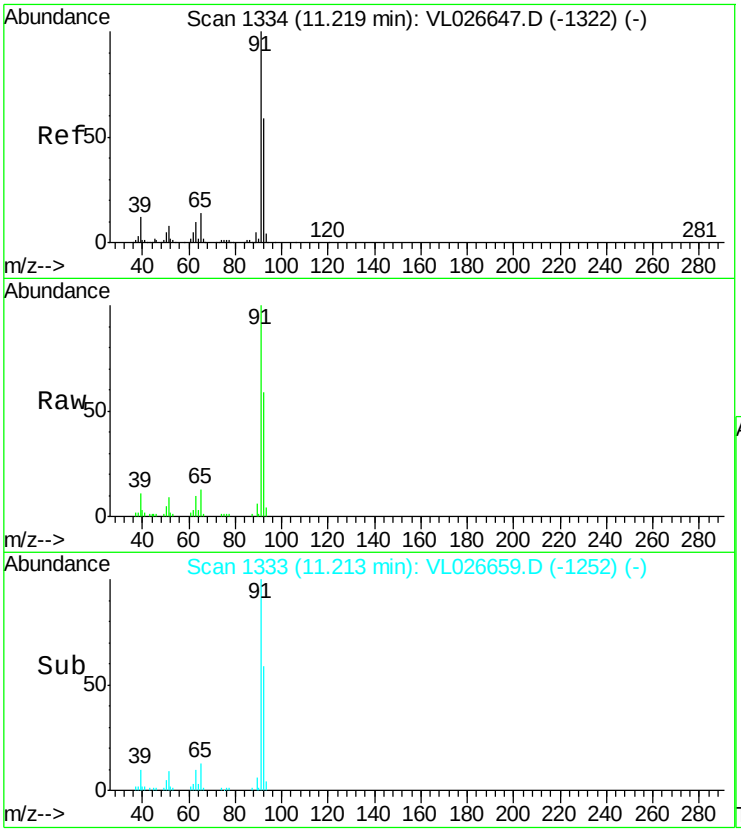


#52
Tetrachloroethene
Concen: 0.38 ppbv
RT: 12.77 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:164 Resp: 43026

Ion	Ratio	Lower	Upper
164	100		
166	141.2	102.5	153.7
129	101.4	87.0	130.6
131	100.5	82.5	123.7





#53
Toluene
Concen: 0.31 ppbv
RT: 11.21 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 91 Resp: 99294

Ion	Ratio	Lower	Upper
91	100		
92	61.8	48.2	72.4

Instrument :
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ClientSampleId :
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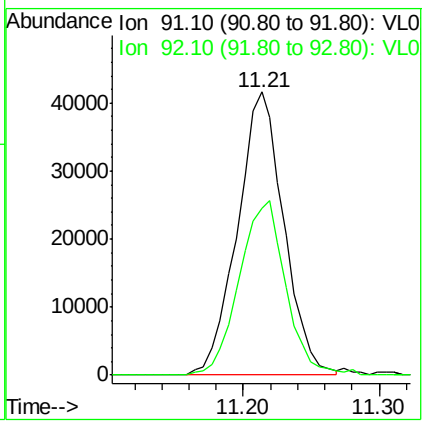
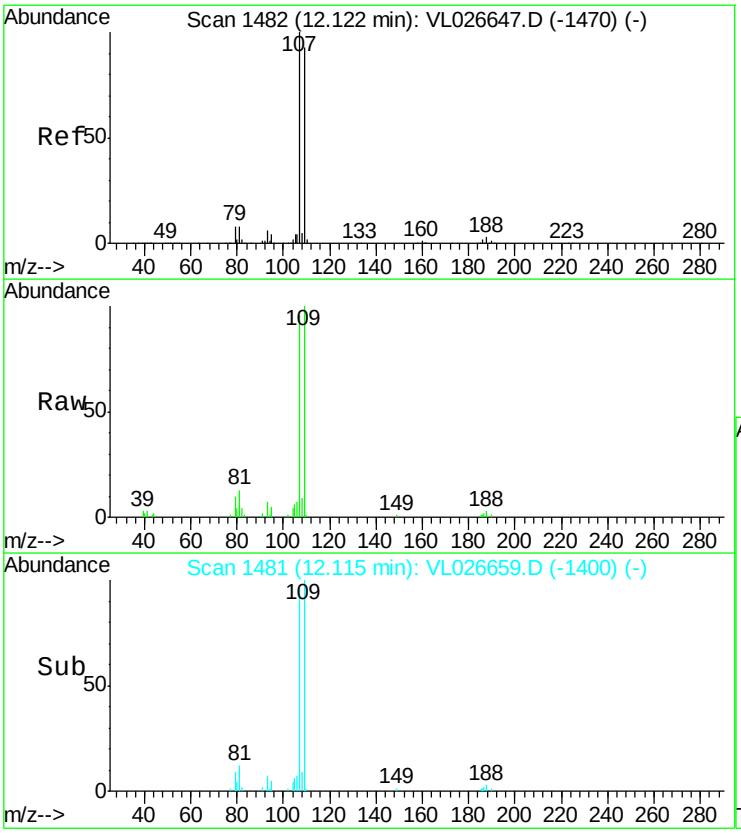
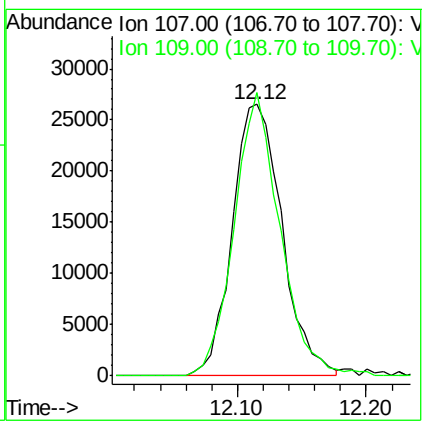


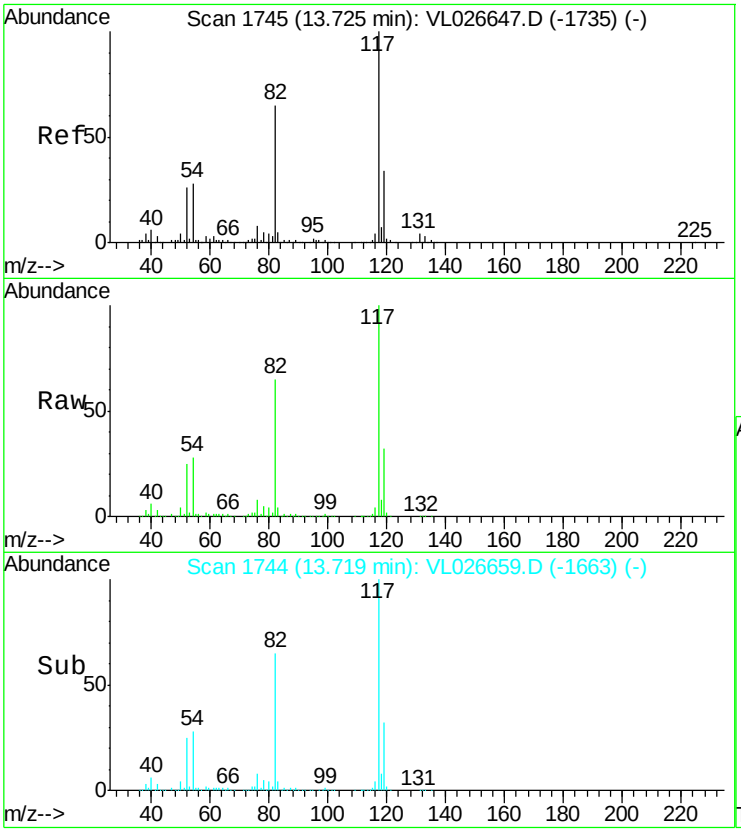


#54
1,2-Dibromoethane
Concen: 0.40 ppbv
RT: 12.12 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:107 Resp: 71051

Ion	Ratio	Lower	Upper
107	100		
109	104.3	74.1	111.1





#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.72 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:117 Resp: 2997014

Ion	Ratio	Lower	Upper
117	100		
82	64.9	49.7	74.5
119	33.0	43.8	65.8#

Instrument :
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ClientSampleId :
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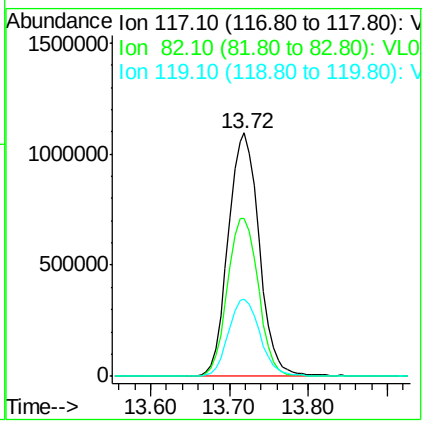
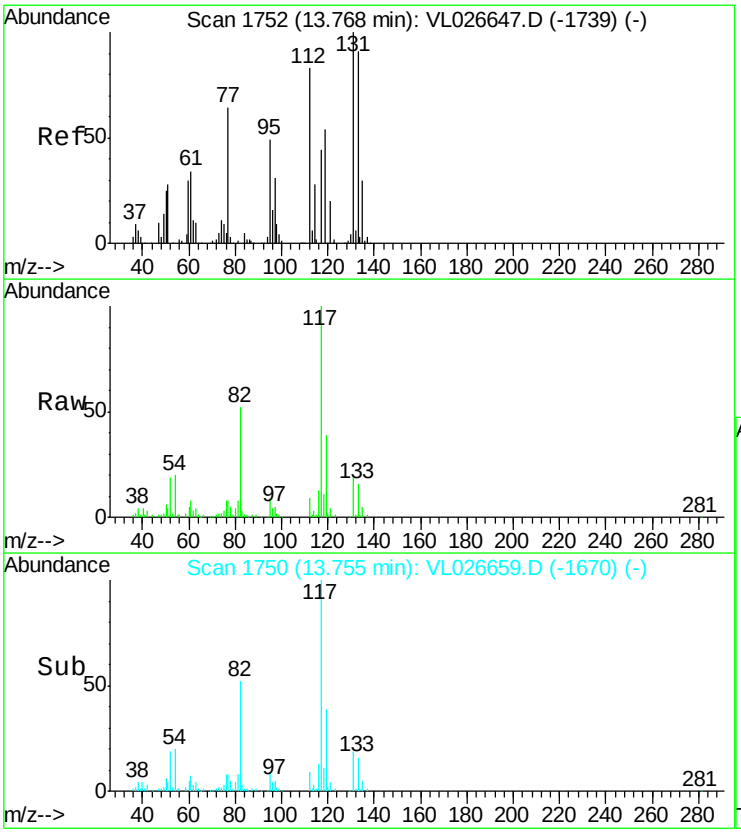
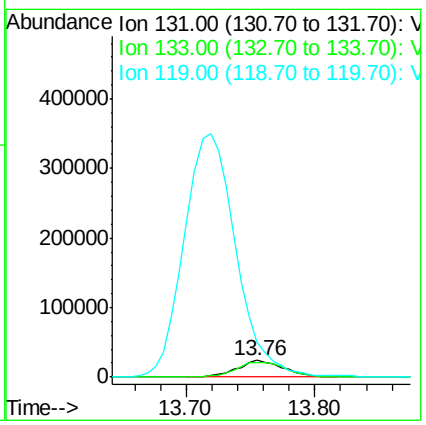


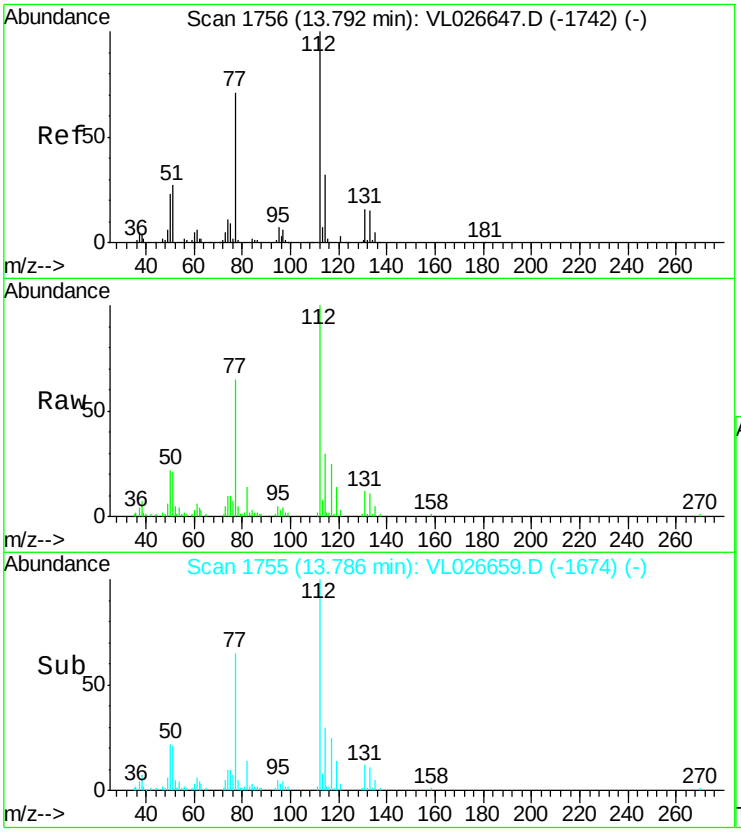


#56
1,1,1,2-Tetrachloroethane
Concen: 0.43 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:131 Resp: 59726

Ion	Ratio	Lower	Upper
131	100		
133	95.0	76.2	114.4
119	1656.2	104.3	156.5#

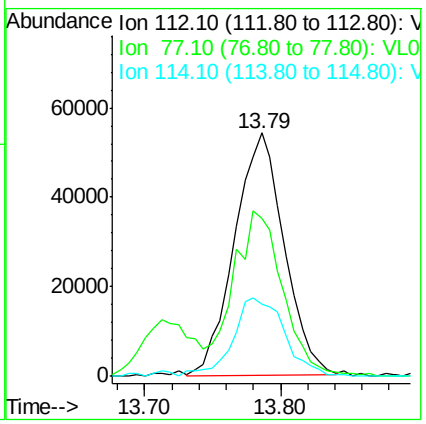




#57
Chlorobenzene
Concen: 0.45 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:112 Resp: 138260

Ion	Ratio	Lower	Upper
112	100		
77	63.6	56.9	85.3
114	29.1	28.8	35.2



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ClientSampleId :
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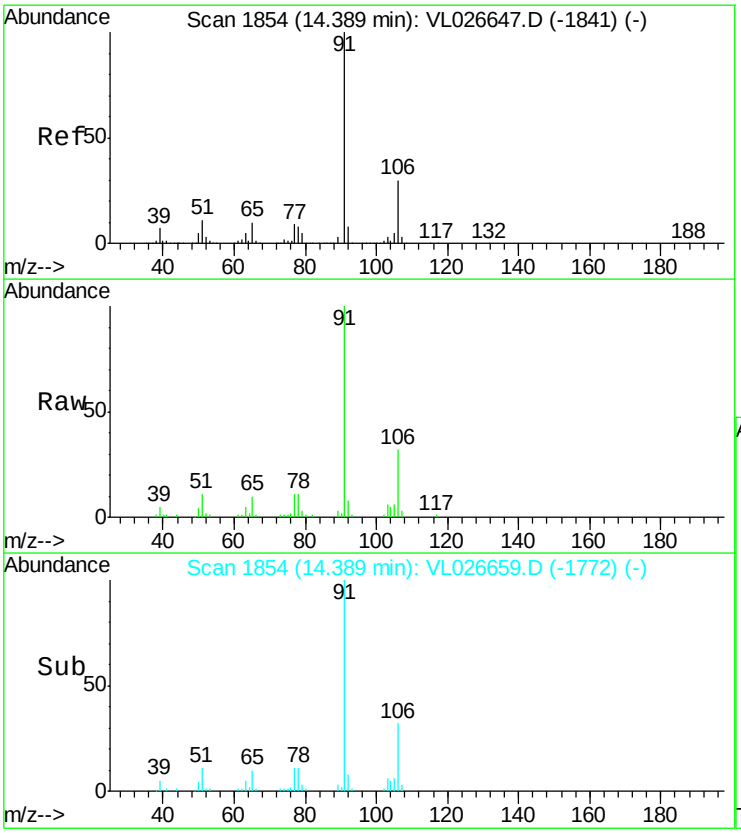
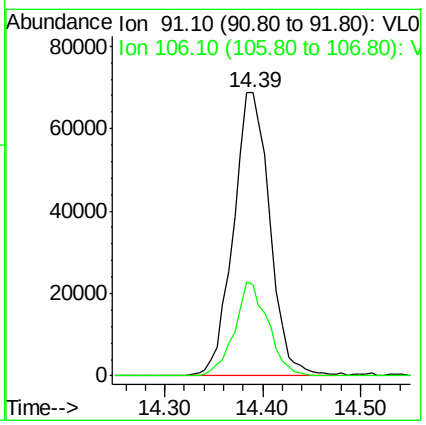
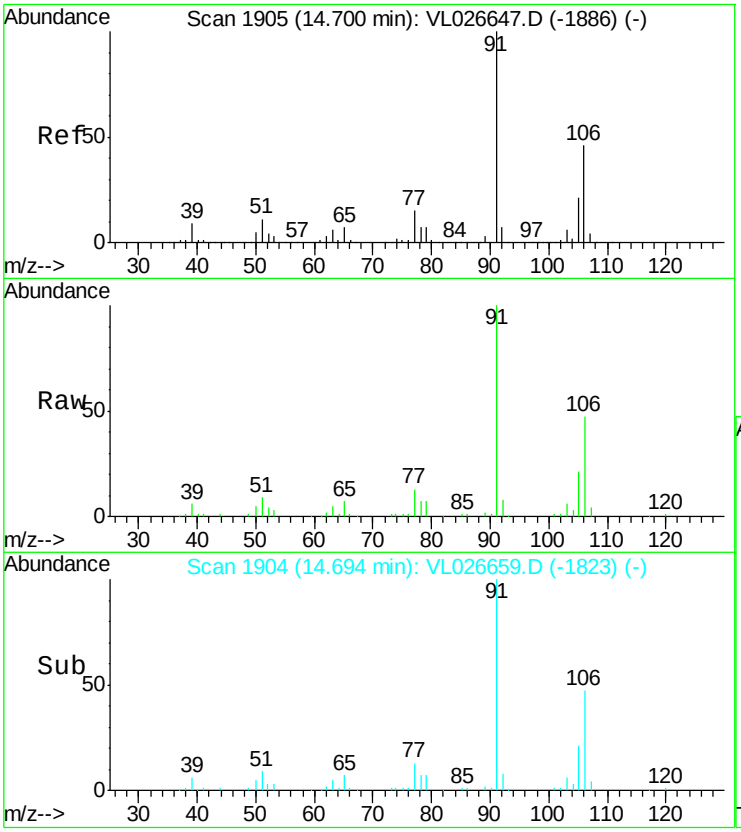


#58
Ethyl Benzene
Concen: 0.33 ppbv
RT: 14.39 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 91 Resp: 177098

Ion	Ratio	Lower	Upper
91	100		
106	32.4	23.8	35.6

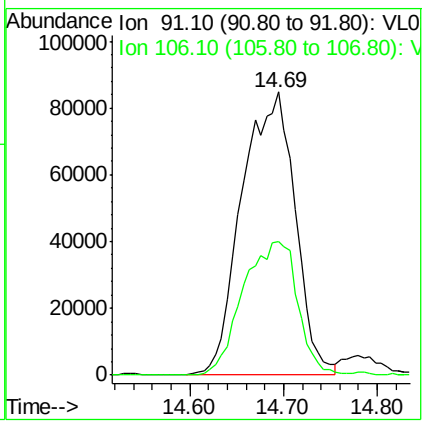




#59
m/p-Xylene
Concen: 0.76 ppbv m
RT: 14.69 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 91 Resp: 333895

Ion	Ratio	Lower	Upper
91	100		
106	48.5	36.6	55.0



Instrument :
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ClientSampleId :
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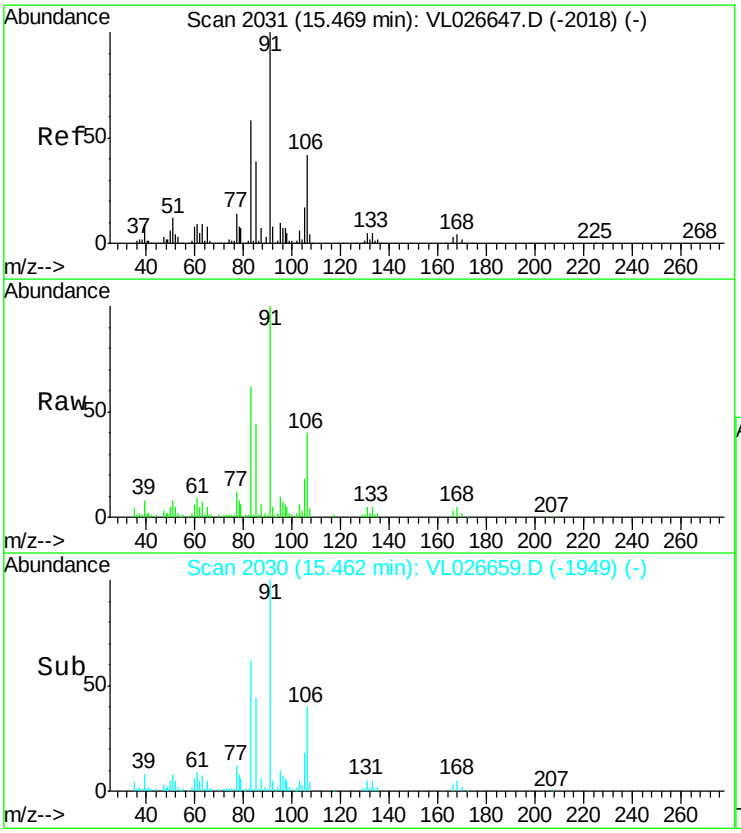
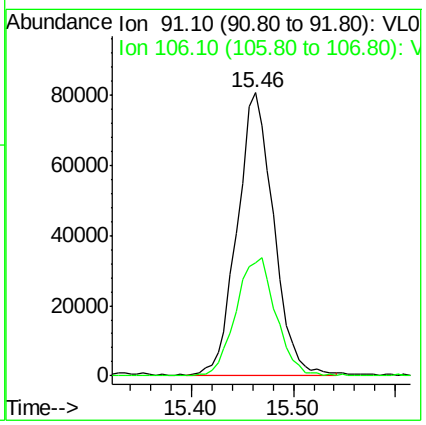
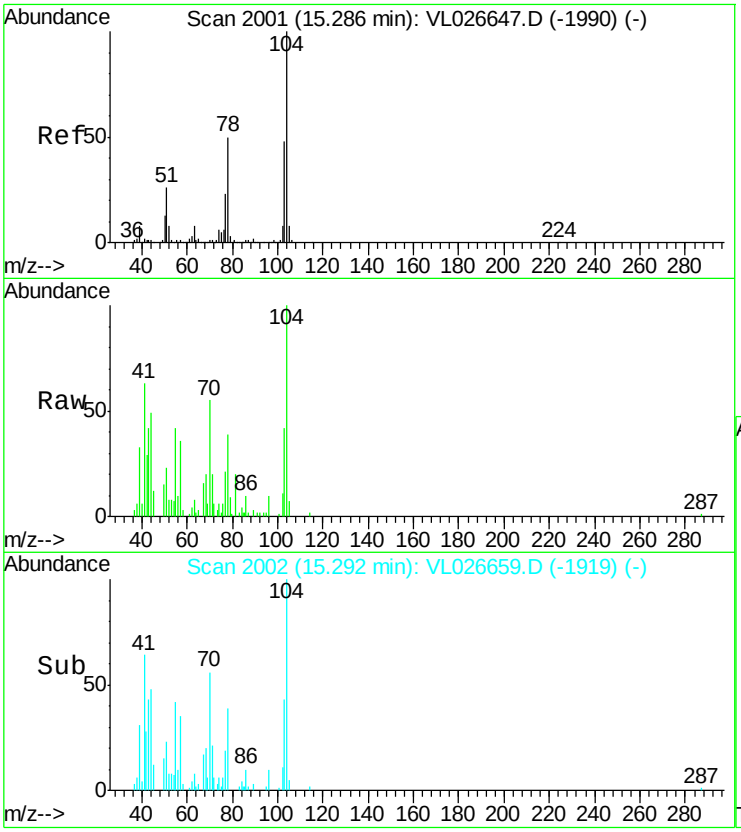


#60
o-Xylene
Concen: 0.42 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 91 Resp: 200600

Ion	Ratio	Lower	Upper
91	100		
106	45.7	21.5	64.5

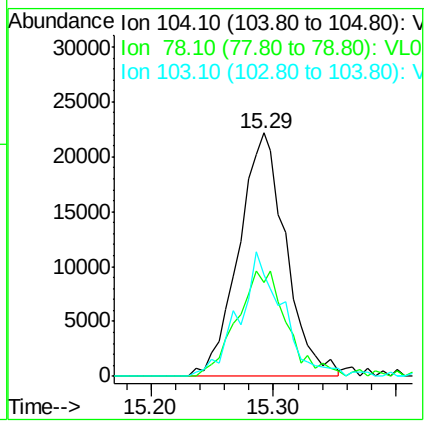




#61
Stvrene
Concen: 0.32 ppbv
RT: 15.29 min Scan# 2002
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:104 Resp: 59331

Ion	Ratio	Lower	Upper
104	100		
78	47.2	39.6	59.4
103	47.6	37.8	56.6



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

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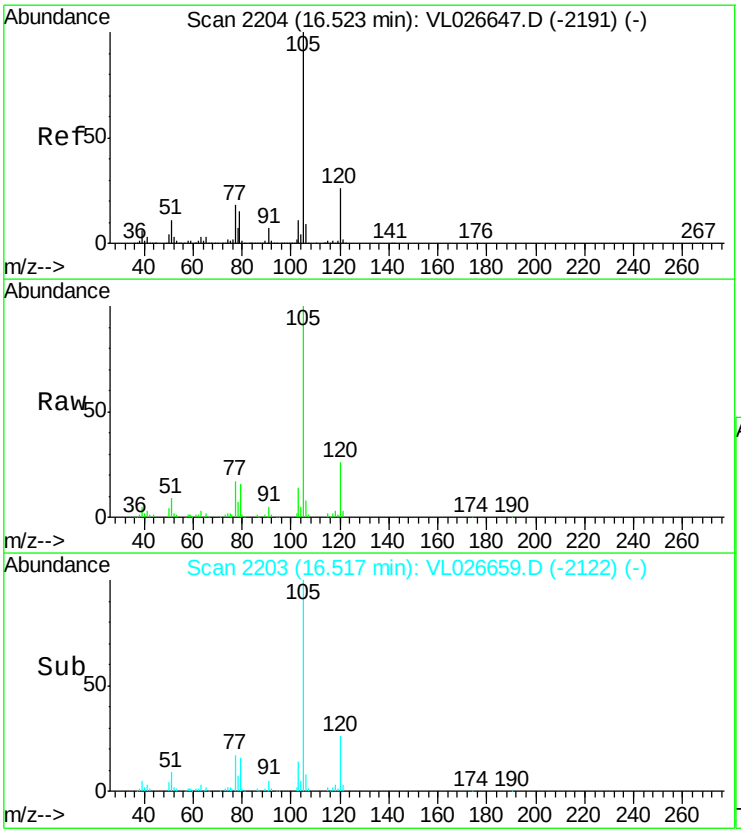
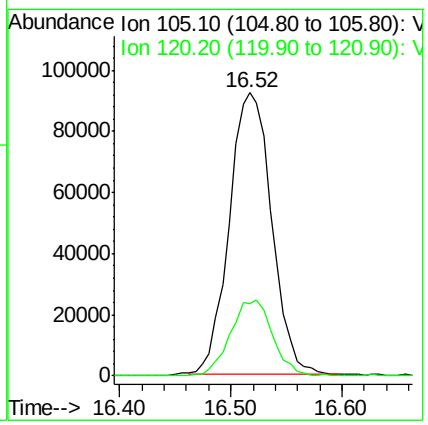
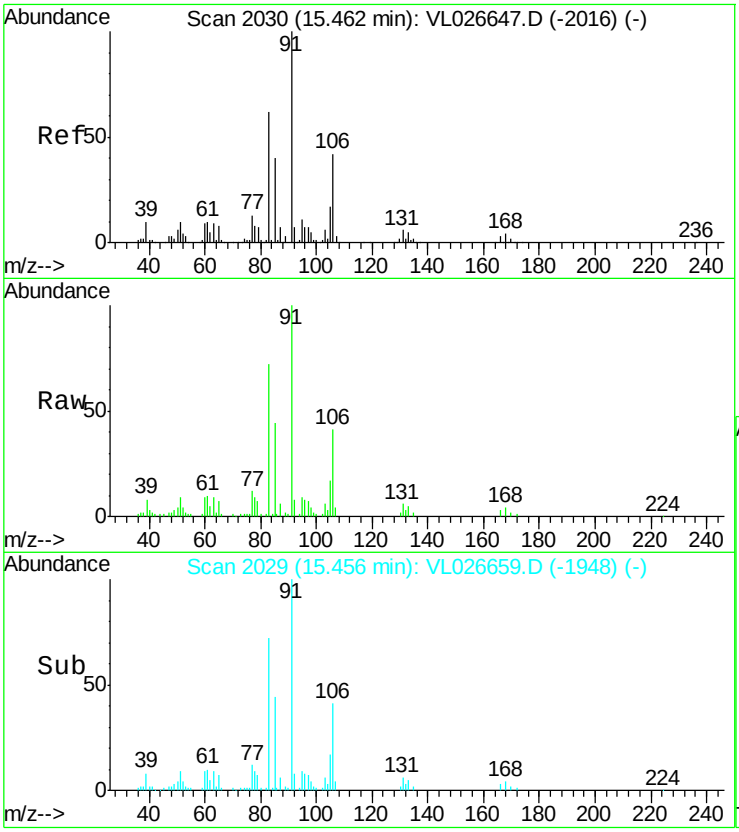


#62
Isopropylbenzene
Concen: 0.39 ppbv
RT: 16.52 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:105 Resp: 243047

Ion	Ratio	Lower	Upper
105	100		
120	26.9	20.3	30.5

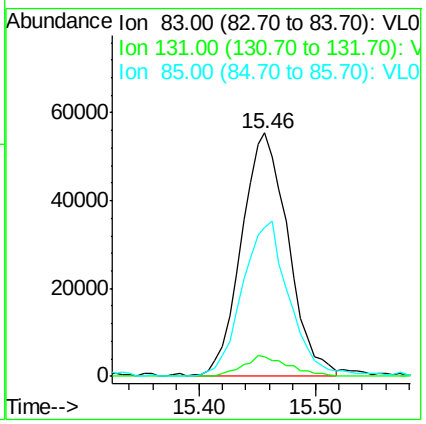




#63
1,1,2,2-Tetrachloroethane
Concen: 0.43 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 83 Resp: 154190

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.5	13.4
85	65.4	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
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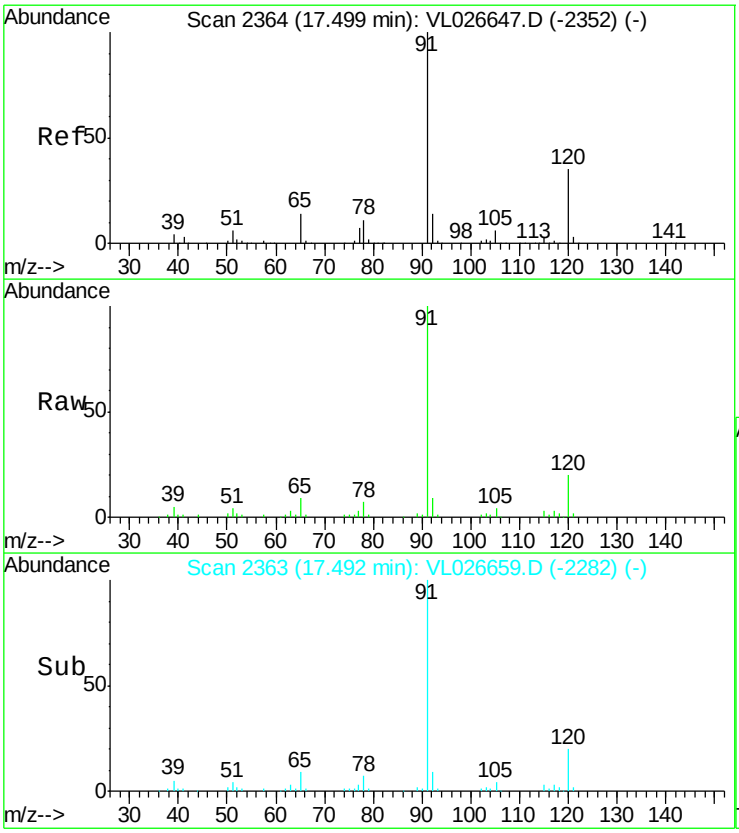
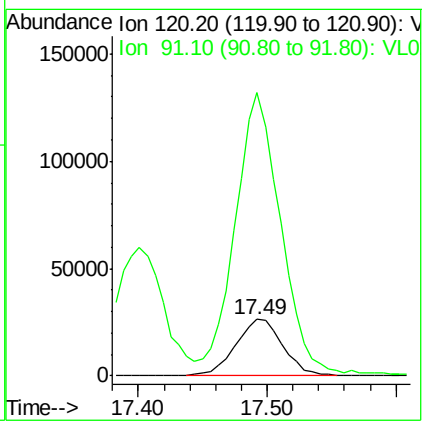
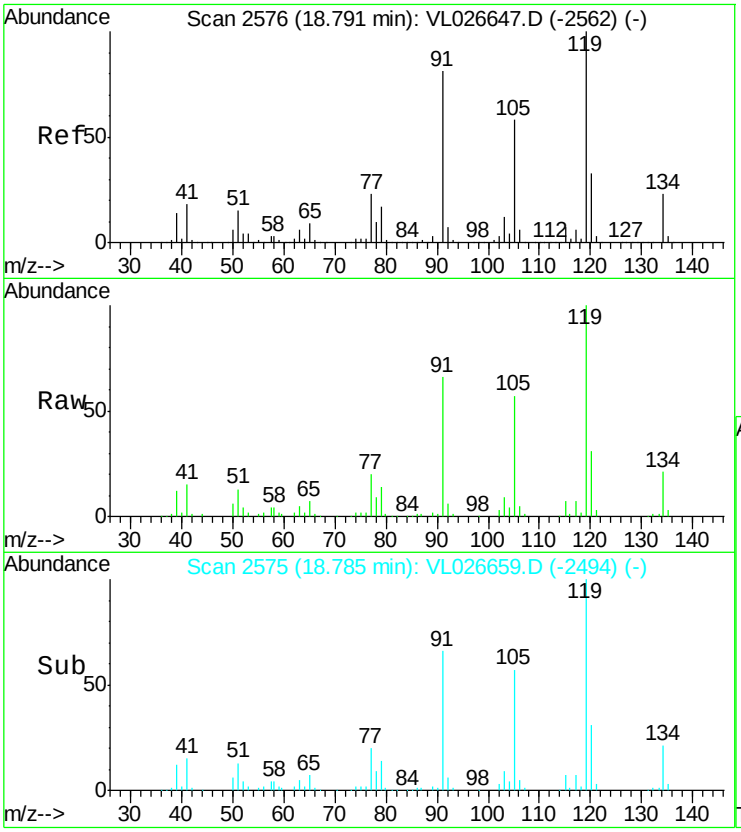


#64
n-propylbenzene
Concen: 0.40 ppbv
RT: 17.49 min Scan# 2363
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:120 Resp: 66964

Ion	Ratio	Lower	Upper
120	100		
91	488.4	375.8	563.6

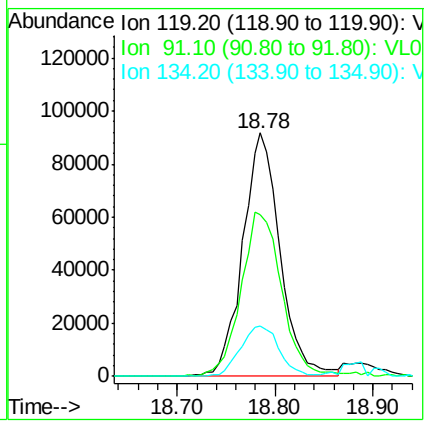




#65
tert-Butylbenzene
Concen: 0.42 ppbv
RT: 18.78 min Scan# 2575
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:119 Resp: 243730

Ion	Ratio	Lower	Upper
119	100		
91	74.4	64.8	97.2
134	21.4	17.4	26.0



Instrument :
MSVOA_L
ClientSampleId :
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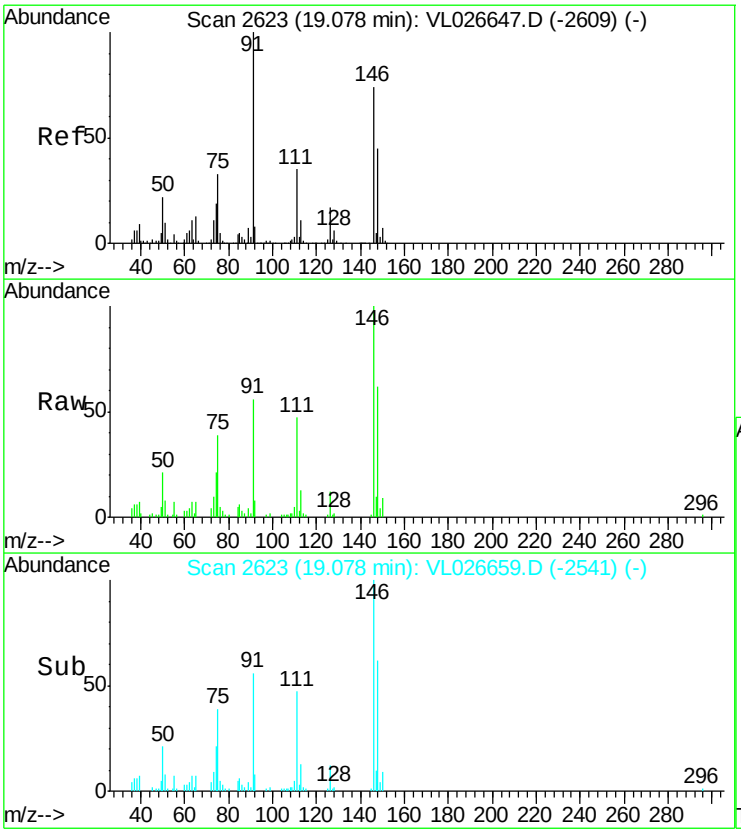
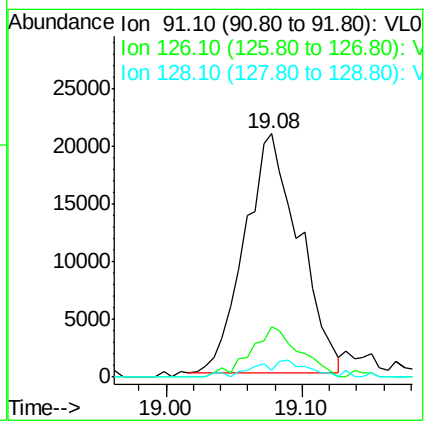
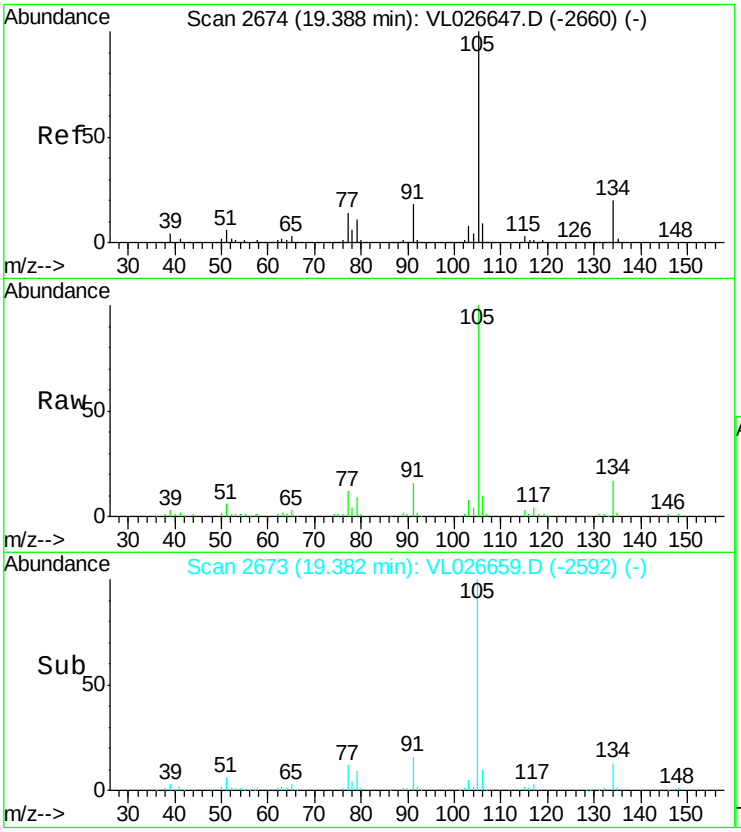


#66
Benzyl Chloride
Concen: 0.28 ppbv
RT: 19.08 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 91 Resp: 58416

Ion	Ratio	Lower	Upper
91	100		
126	19.6	14.2	21.2
128	7.4	4.5	6.7#

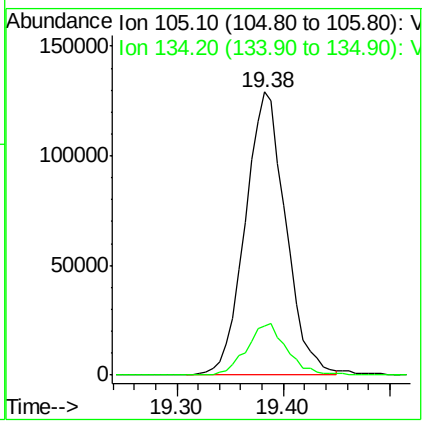




#67
sec-Butylbenzene
Concen: 0.40 ppbv
RT: 19.38 min Scan# 2673
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:105 Resp: 345239

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
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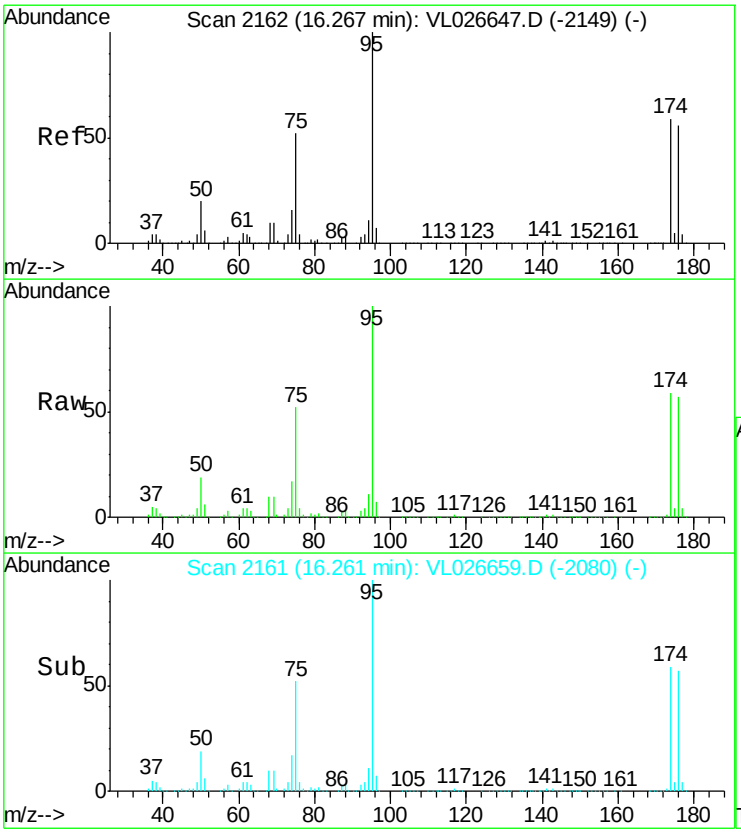
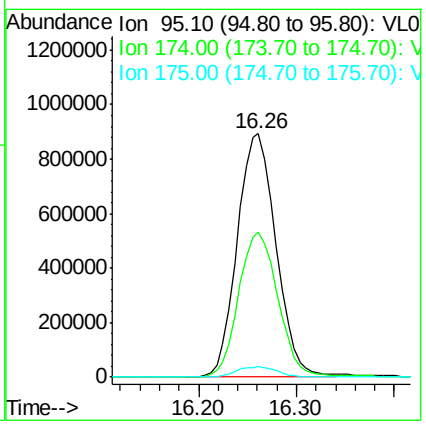
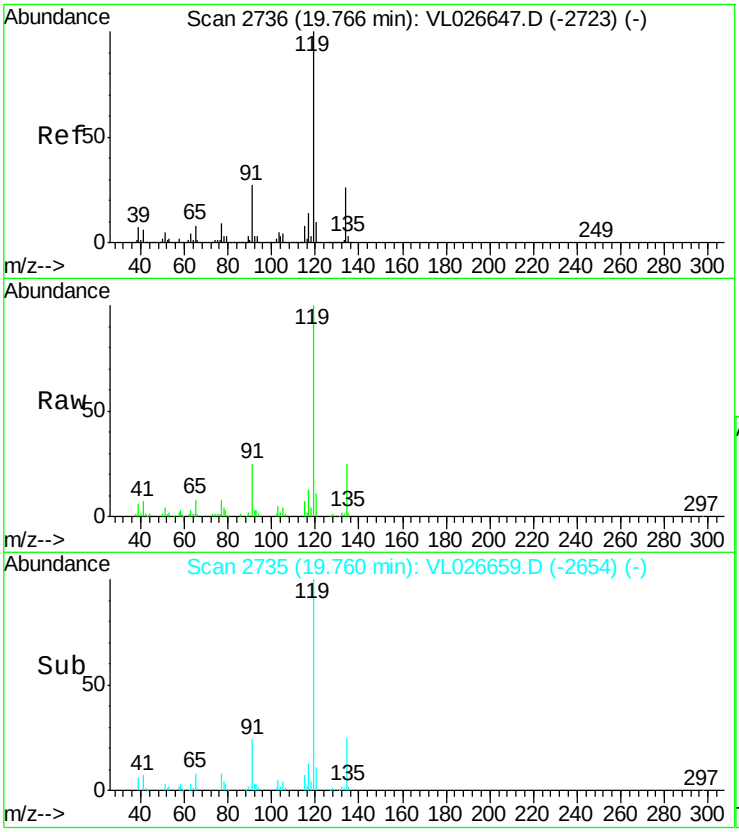


#68
1-Bromo-4-Fluorobenzene
Concen: 10.30 ppbv
RT: 16.26 min Scan# 2161
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 95 Resp: 2461108

Ion	Ratio	Lower	Upper
95	100		
174	61.0	47.8	71.8
175	4.5	3.6	5.4

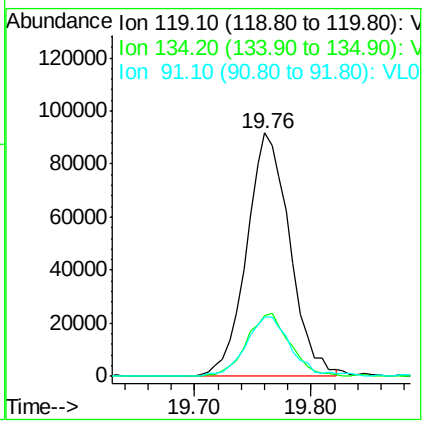




#69
p-Isopropyltoluene
Concen: 0.36 ppbv
RT: 19.76 min Scan# 2735
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:119 Resp: 236550

Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.6	31.0
91	26.0	21.7	32.5



Instrument :
MSVOA_L
ClientSampleId :
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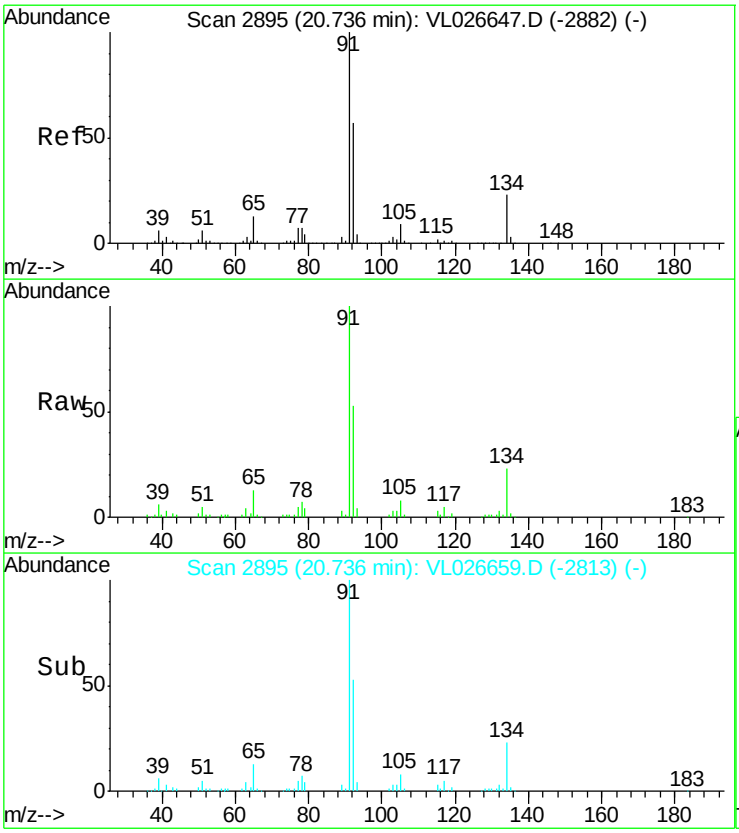
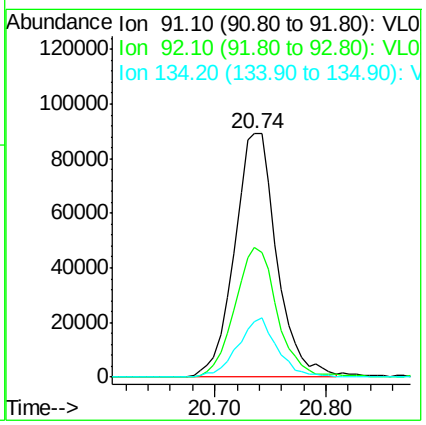
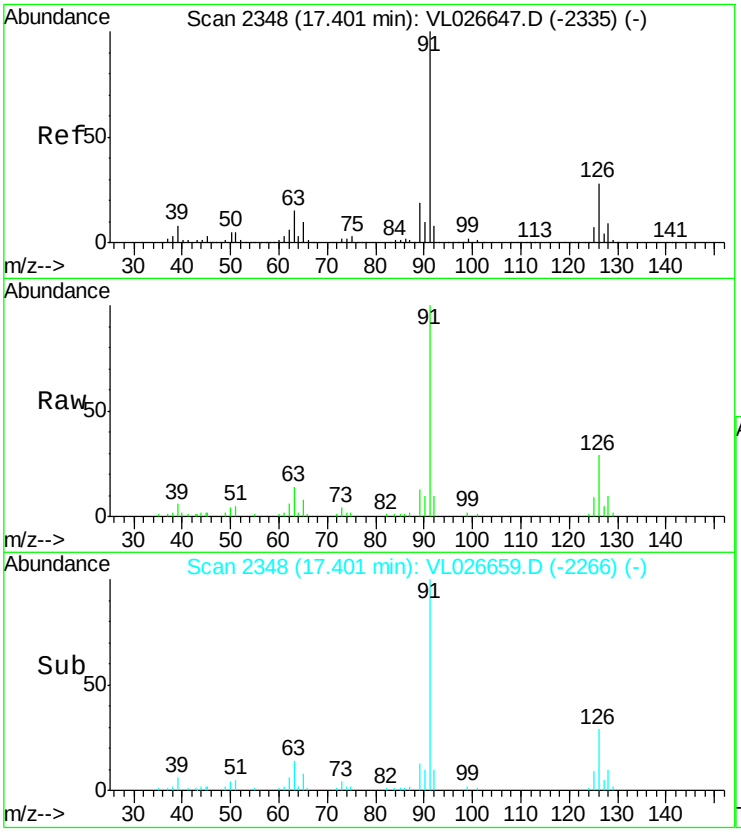


#70
n-Butylbenzene
Concen: 0.34 ppbv
RT: 20.74 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 91 Resp: 234630

Ion	Ratio	Lower	Upper
91	100		
92	54.1	45.0	67.4
134	22.9	18.2	27.2

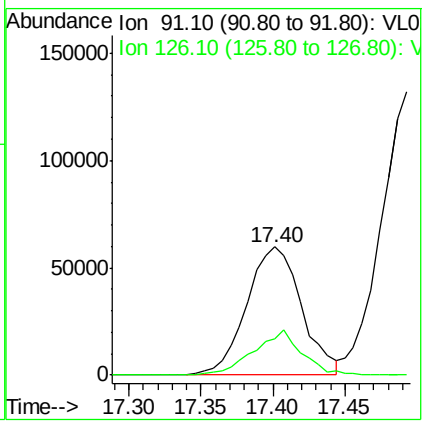




#71
2-Chlorotoluene
Concen: 0.32 ppbv
RT: 17.40 min Scan# 2348
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 91 Resp: 158747

Ion	Ratio	Lower	Upper
91	100		
126	31.3	11.4	45.8



Instrument :
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ClientSampleId :
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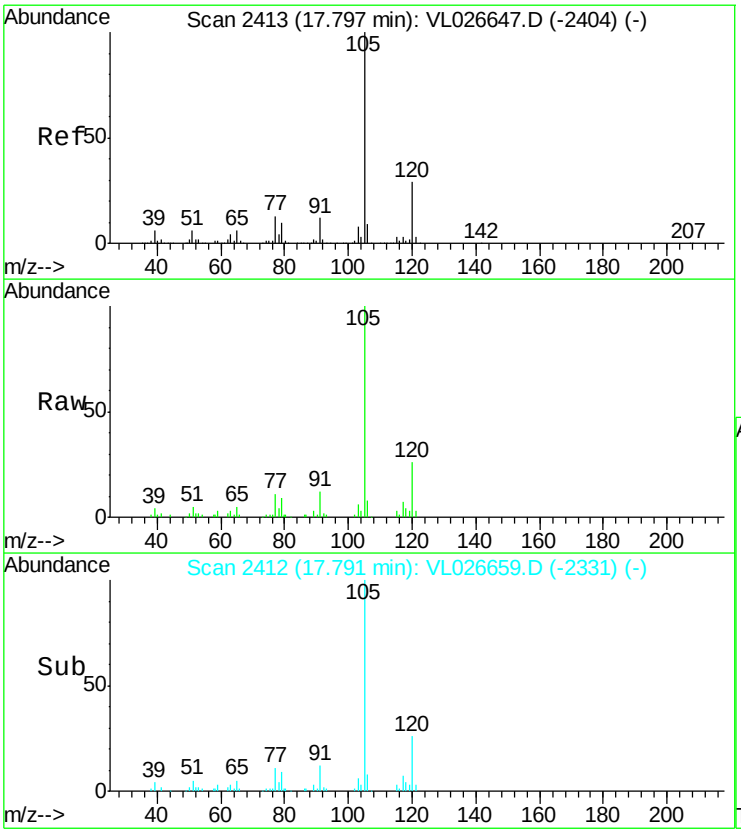
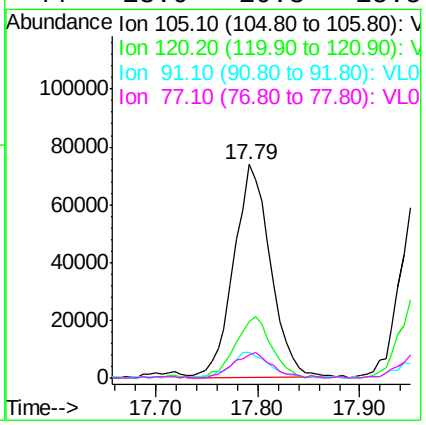
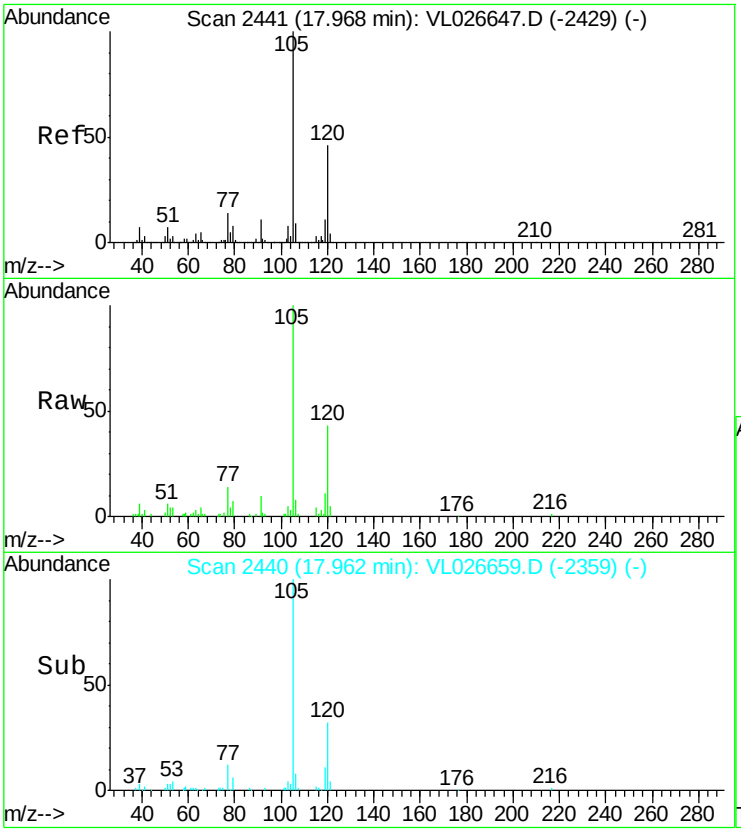


#72
4-Ethyltoluene
Concen: 0.35 ppbv
RT: 17.79 min Scan# 2412
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:105 Resp: 184262

Ion	Ratio	Lower	Upper
105	100		
120	29.4	23.7	35.5
91	12.7	9.7	14.5
77	13.0	10.3	15.5

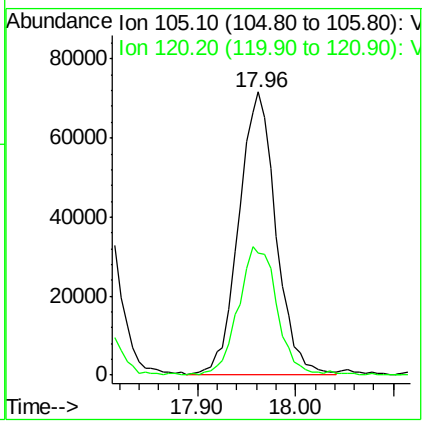




#73
1,3,5-Trimethylbenzene
Concen: 0.38 ppbv
RT: 17.96 min Scan# 2440
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:105 Resp: 189542

Ion	Ratio	Lower	Upper
105	100		
120	42.9	36.6	54.8



Instrument :
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ClientSampleId :
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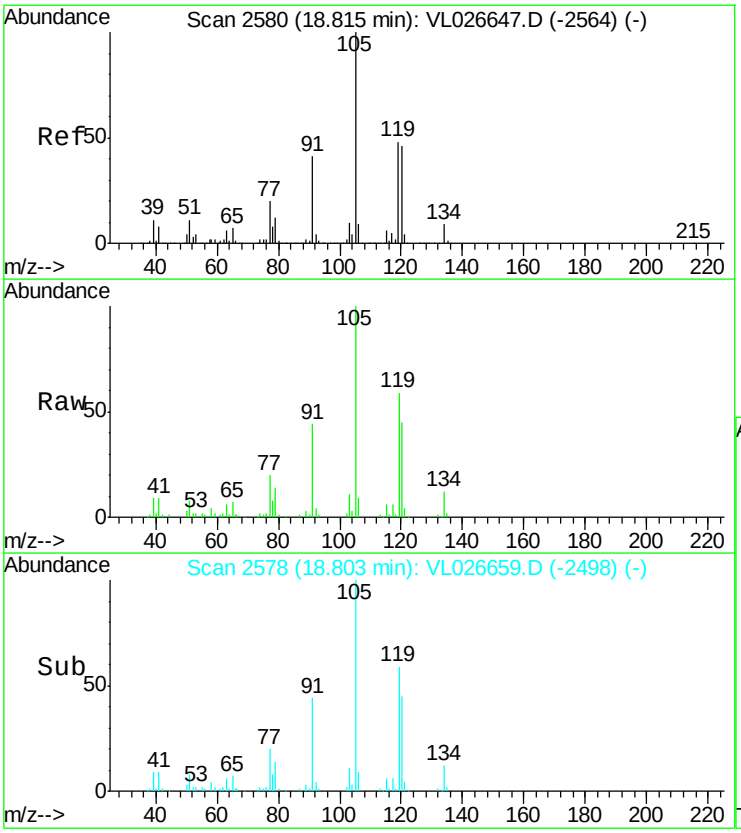
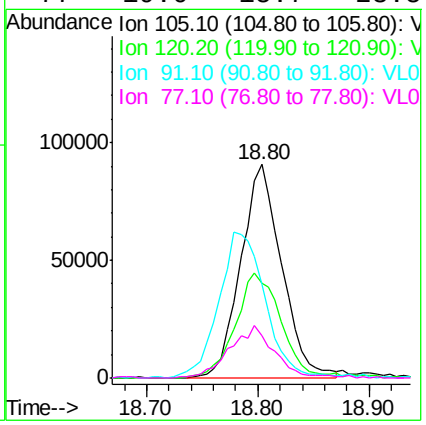
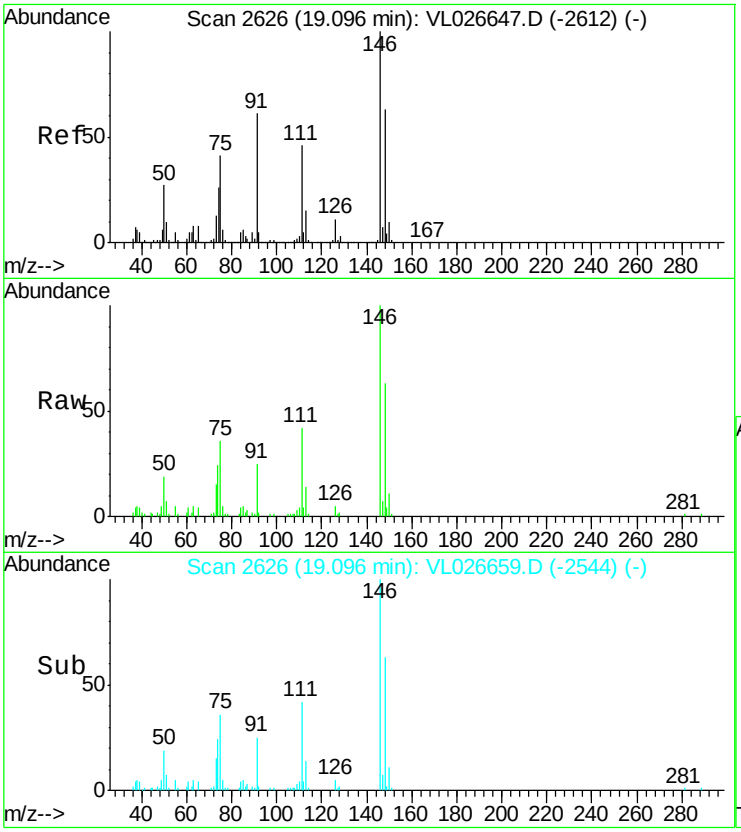


#74
1,2,4-Trimethylbenzene
Concen: 0.43 ppbv
RT: 18.80 min Scan# 2578
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:105 Resp: 231934

Ion	Ratio	Lower	Upper
105	100		
120	44.2	36.6	55.0
91	42.4	32.5	48.7
77	19.0	15.7	23.5

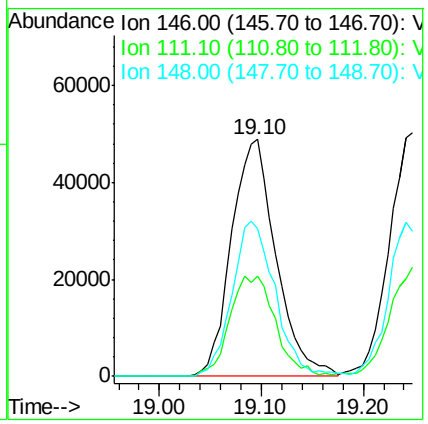




#75
1,3-Dichlorobenzene
Concen: 0.45 ppbv
RT: 19.10 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:146 Resp: 148262

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.9	68.5
148	63.0	31.6	95.0



Instrument :
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ClientSampleId :
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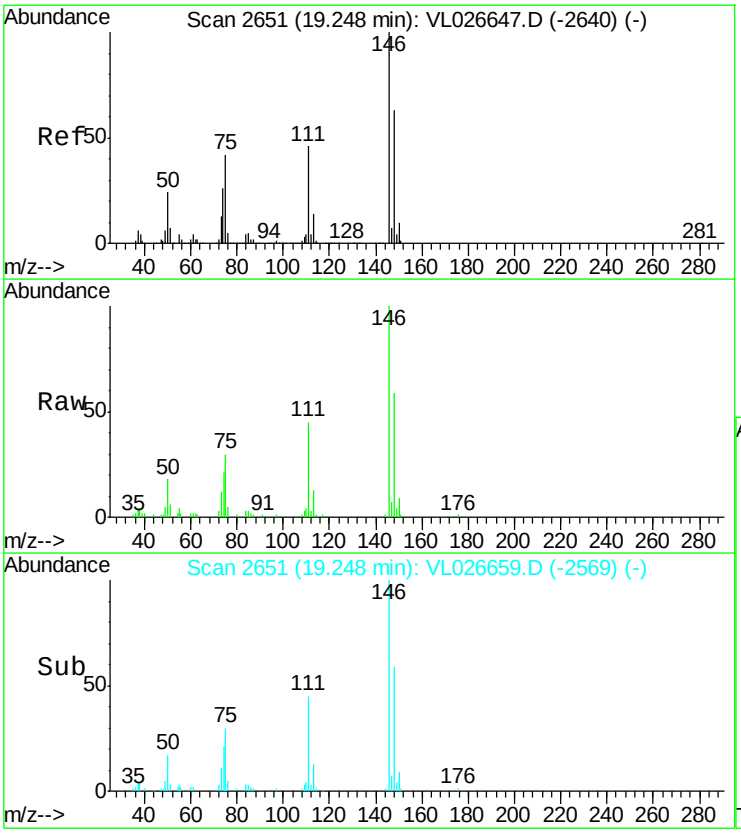
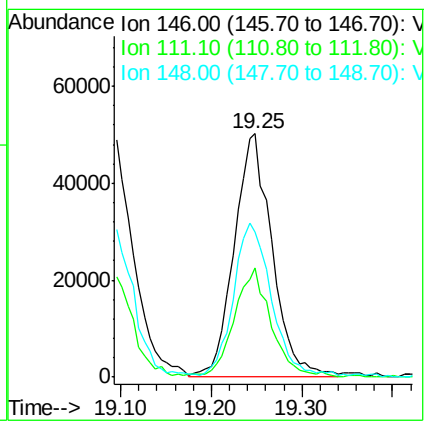
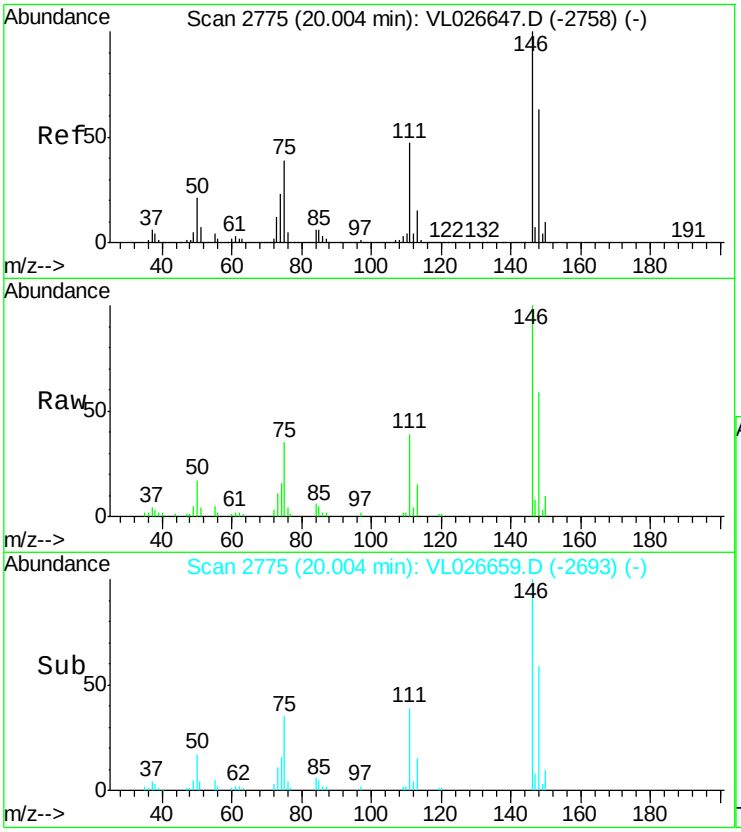


#76
1,4-Dichlorobenzene
Concen: 0.43 ppbv
RT: 19.25 min Scan# 2651
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:146 Resp: 146069

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.3	66.8
148	65.1	31.9	95.9

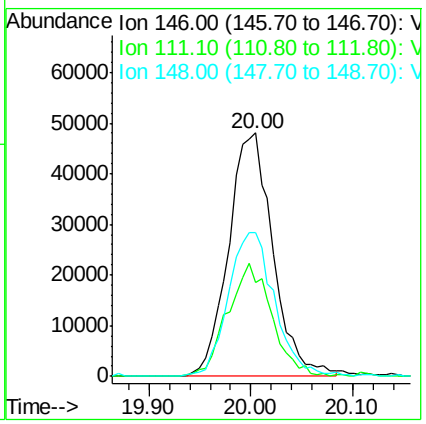




#77
1,2-Dichlorobenzene
Concen: 0.43 ppbv
RT: 20.00 min Scan# 2775
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:146 Resp: 145320

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.7	71.1
148	62.0	31.1	93.5



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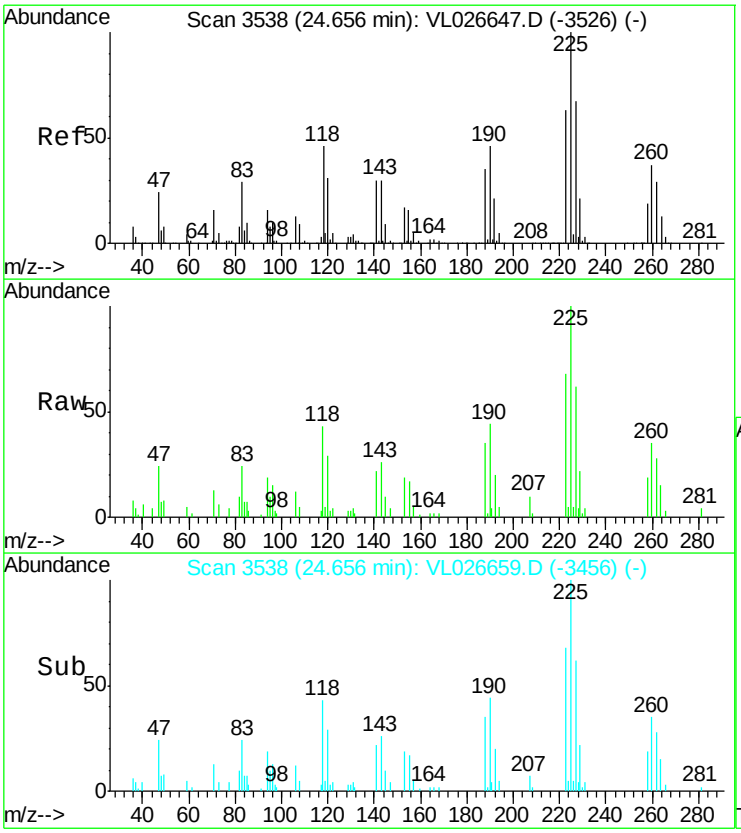
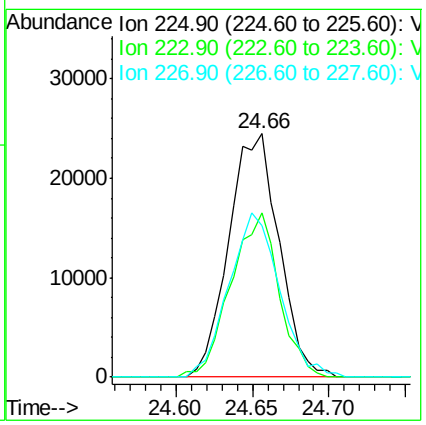
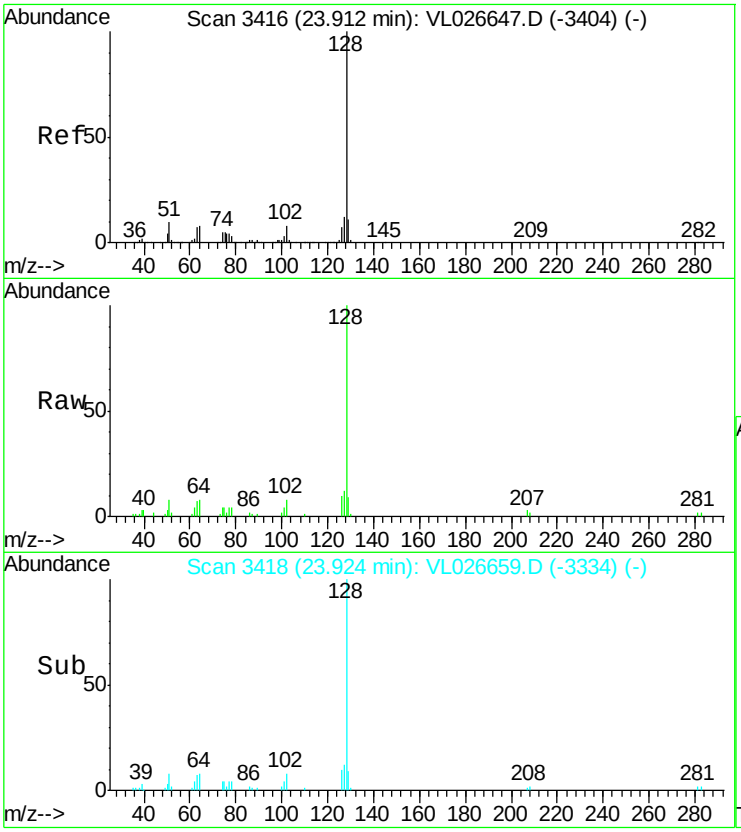


#78
Hexachloro-1,3-Butadiene
Concen: 0.41 ppbv
RT: 24.66 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:225 Resp: 55752

Ion	Ratio	Lower	Upper
225	100		
223	64.8	50.1	75.1
227	68.1	51.1	76.7

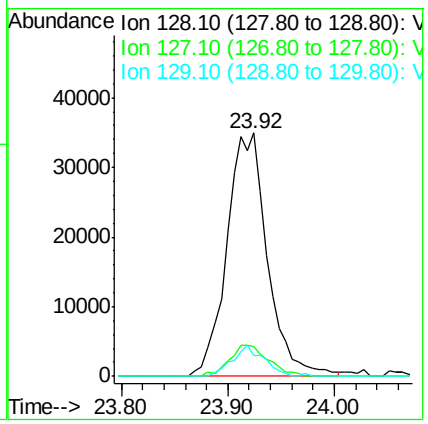




#79
Naphthalene
Concen: 0.26 ppbv
RT: 23.92 min Scan# 3418
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:128 Resp: 93236

Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.8
129	8.8	8.9	13.3#



Instrument :
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ClientSampleId :
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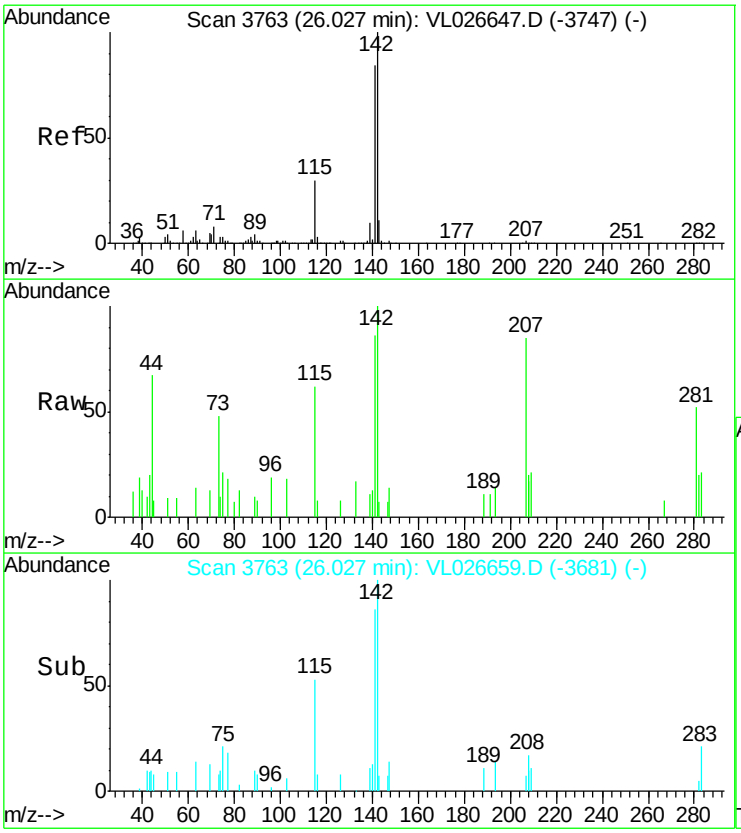
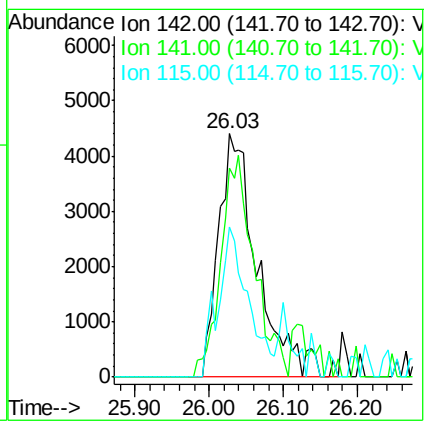
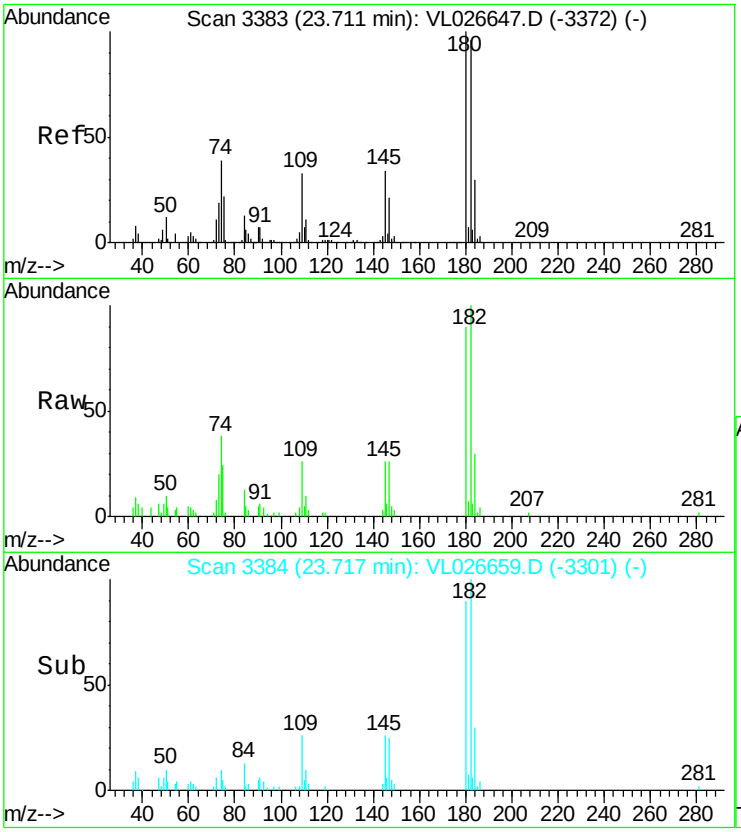


#80
Naphthalene,2-methyl-
Concen: 0.28 ppbv
RT: 26.03 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:142 Resp: 16012

Ion	Ratio	Lower	Upper
142	100		
141	78.2	67.0	100.6
115	47.2	24.7	37.1#

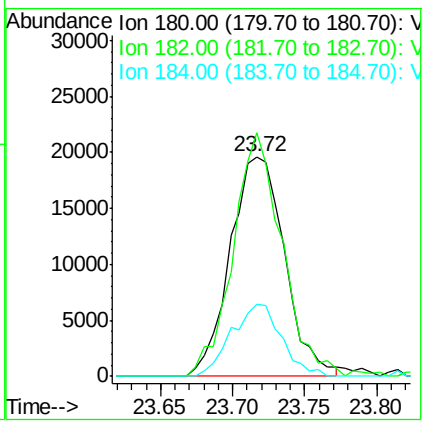




#81
1,2,4-Trichlorobenzene
Concen: 0.31 ppbv
RT: 23.72 min Scan# 3384
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:180 Resp: 51384

Ion	Ratio	Lower	Upper
180	100		
182	101.1	75.4	113.0
184	30.2	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

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