Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026660.D
Acq On : 9 Jan 2016 4:32
Operator : SY/AP
Sample : H1002-16
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-2

Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:16 AM

Quant Time: Jan 12 05:15:34 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	678244	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.31	114	2179985	10.00	ppbv		0.00
55) Chlorobenzene-d5	13.72	117	2952696	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.26	95	2447394	10.40	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.64	85	92116	0.51	ppbv		98
3) Chlorodifluoromethane	3.56	51	42606	0.47	ppbv		98
4) Chloromethane	3.75	50	18664	0.42	ppbv		91
5) Vinyl Chloride	3.88	62	20771	0.39	ppbv	#	88
6) Bromomethane	4.14	94	16474	0.43	ppbv		99
7) Chloroethane	4.24	64	10420	0.48	ppbv	#	85
8) Dichlorotetrafluoroethane	3.80	85	67681	0.48	ppbv		99
9) Propene	3.59	41	12761	0.39	ppbv		83
10) Heptane	9.34	43	41642	0.34	ppbv		90
11) Trichlorofluoromethane	4.68	101	97516	0.52	ppbv		87
12) 1,1,2-Trichlorotrifluoroet	5.29	101	58257	0.51	ppbv		95
13) Ethanol	4.36	45	2567m	0.42	ppbv		
14) Bromoethene	4.44	108	17455m	0.42	ppbv		
15) Acetone	4.62	43	65557	0.59	ppbv	#	56
16) 1,3-Butadiene	3.96	39	20119m	0.45	ppbv		
17) tert-Butyl alcohol	5.15	59	32290m	0.38	ppbv		
18) 1,1-Dichloroethene	5.07	96	20189	0.42	ppbv		95
19) Isopropyl Alcohol	4.78	45	18961m	0.41	ppbv		
20) Methylene Chloride	5.14	84	24568	0.54	ppbv		95
21) Allyl Chloride	5.22	41	26771	0.39	ppbv	#	68
22) trans-1,2-Dichloroethene	5.76	96	23638	0.43	ppbv		92
23) Vinyl Acetate	5.98	43	59482	0.35	ppbv	#	95
24) 1,1-Dichloroethane	5.89	63	55812	0.45	ppbv		99
25) Ethyl Acetate	6.68	43	41322m	0.24	ppbv		
26) Hexane	6.65	57	32143	0.36	ppbv		94
27) Carbon Disulfide	5.38	76	57821	0.44	ppbv	#	87
28) Methyl tert-Butyl Ether	5.96	73	63582	0.36	ppbv		100
29) Chloroform	6.73	83	76026	0.47	ppbv		92
30) Cyclohexane	8.27	84	36553m	0.42	ppbv		
31) cis-1,2-Dichloroethene	6.50	61	34234	0.38	ppbv		92
32) 1,1,1-Trichloroethane	7.58	97	76041	0.42	ppbv		98
34) 2-Butanone	6.21	43	43550m	0.37	ppbv		
35) Carbon Tetrachloride	8.13	117	76610	0.40	ppbv		97
36) Benzene	8.00	78	75815	0.34	ppbv	#	93
37) 1,2-Dichloroethane	7.35	62	62875	0.41	ppbv		99
38) Trichloroethene	9.05	130	35952	0.36	ppbv		94
39) 1,2-Dichloropropane	8.80	63	31188	0.40	ppbv		91
40) 1,4-Dioxane	9.18	88	4162m	0.23	ppbv		
41) Tetrahydrofuran	7.15	42	16328	0.28	ppbv		97
42) Bromodichloromethane	9.00	83	80406m	0.41	ppbv		
43) Methyl Methacrylate	9.25	69	24219	0.30	ppbv		91

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026660.D
Acq On : 9 Jan 2016 4:32
Operator : SY/AP
Sample : H1002-16
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-2

Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:16 AM

Quant Time: Jan 12 05:15:34 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	119761	0.33	ppbv		97
45) t-1,3-Dichloropropene	10.63	75	37592m	0.28	ppbv		
46) cis-1,3-Dichloropropene	10.00	75	43717m	0.29	ppbv		
47) 1,1,2-Trichloroethane	10.85	97	44944	0.41	ppbv		94
48) Dibromochloromethane	11.78	129	66972	0.40	ppbv		97
49) Bromoform	14.79	173	52992	0.39	ppbv		97
50) 4-Methyl-2-Pentanone	10.09	43	48033	0.29	ppbv		94
51) 2-Hexanone	11.63	43	40599m	0.27	ppbv		
52) Tetrachloroethene	12.77	164	44180	0.39	ppbv		97
53) Toluene	11.21	91	96036	0.30	ppbv		98
54) 1,2-Dibromoethane	12.12	107	71150	0.41	ppbv		81
56) 1,1,1,2-Tetrachloroethane	13.76	131	58577	0.43	ppbv	#	1
57) Chlorobenzene	13.79	112	139959	0.46	ppbv	#	87
58) Ethyl Benzene	14.39	91	173064	0.33	ppbv		95
59) m/p-Xylene	14.69	91	324277m	0.75	ppbv		
60) o-Xylene	15.47	91	196539	0.42	ppbv		93
61) Styrene	15.29	104	55761m	0.30	ppbv		
62) Isopropylbenzene	16.52	105	238599	0.38	ppbv		97
63) 1,1,2,2-Tetrachloroethane	15.46	83	152734	0.44	ppbv		100
64) n-propylbenzene	17.49	120	65054m	0.39	ppbv		
65) tert-Butylbenzene	18.78	119	235124	0.41	ppbv		94
66) Benzyl Chloride	19.08	91	66212	0.33	ppbv		97
67) sec-Butylbenzene	19.38	105	345919	0.41	ppbv		96
69) p-Isopropyltoluene	19.77	119	238119	0.37	ppbv		98
70) n-Butylbenzene	20.74	91	229520	0.34	ppbv		96
71) 2-Chlorotoluene	17.39	91	155132	0.32	ppbv		98
72) 4-Ethyltoluene	17.80	105	175770	0.33	ppbv	#	97
73) 1,3,5-Trimethylbenzene	17.96	105	183766	0.37	ppbv		92
74) 1,2,4-Trimethylbenzene	18.80	105	227187	0.43	ppbv	#	90
75) 1,3-Dichlorobenzene	19.10	146	149581	0.46	ppbv		96
76) 1,4-Dichlorobenzene	19.25	146	139175	0.42	ppbv		98
77) 1,2-Dichlorobenzene	20.00	146	142432	0.43	ppbv		97
78) Hexachloro-1,3-Butadiene	24.65	225	54969	0.41	ppbv		96
79) Naphthalene	23.92	128	89809m	0.25	ppbv		
80) Naphthalene,2-methyl-	26.04	142	17487	0.32	ppbv	#	86
81) 1,2,4-Trichlorobenzene	23.72	180	51122m	0.31	ppbv		

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

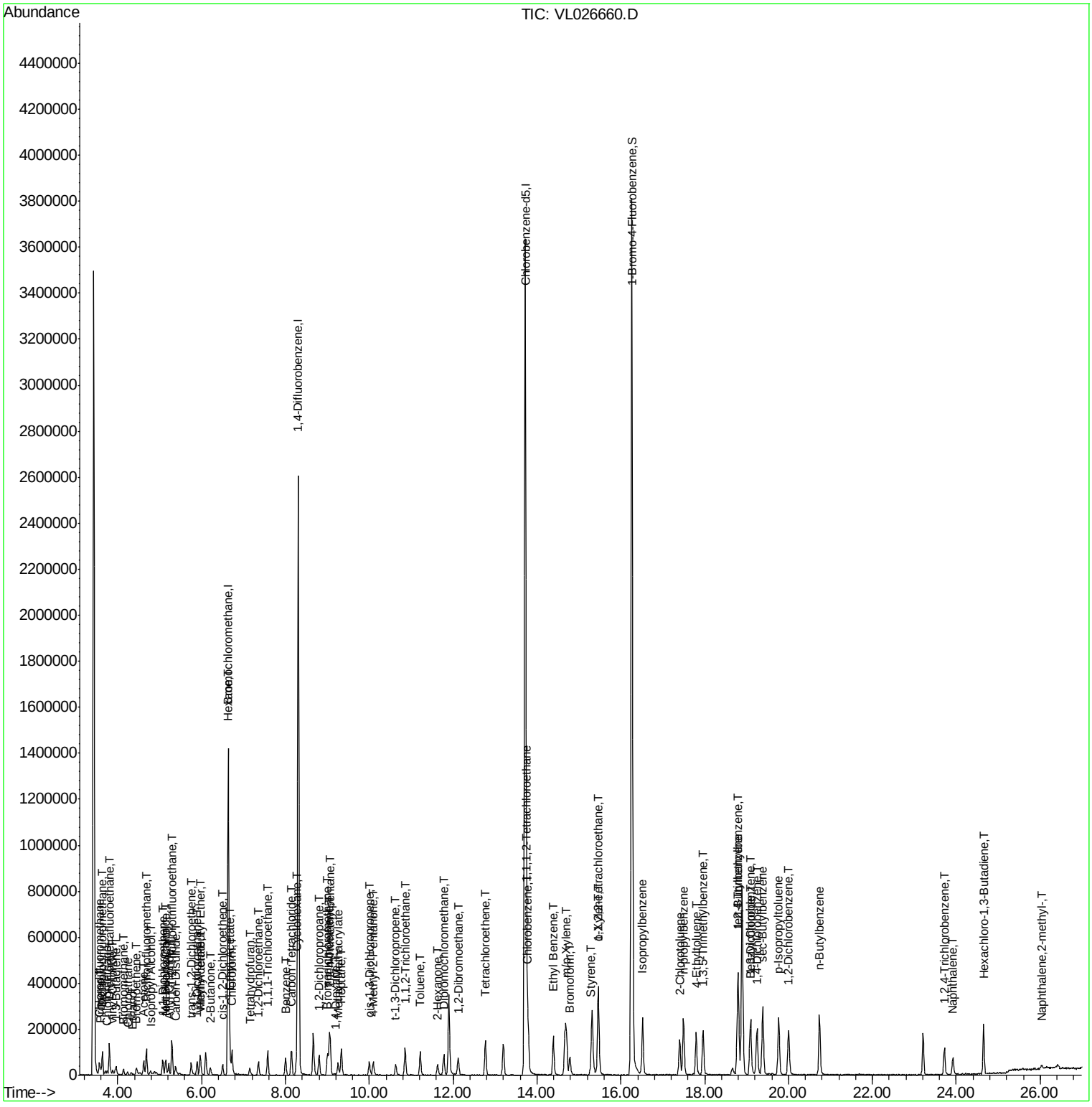
Quantitation Report (QT Reviewed)

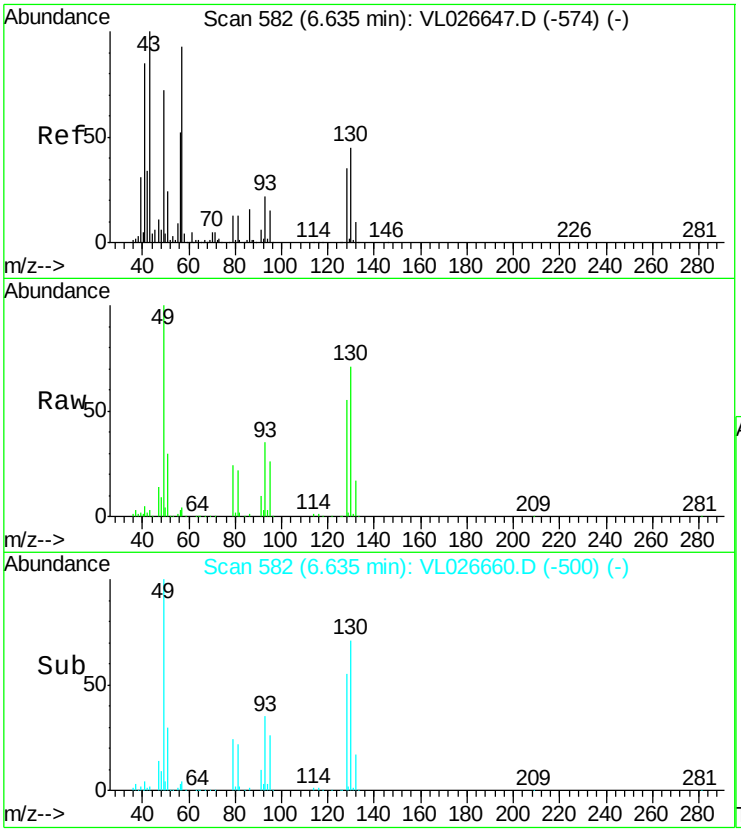
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026660.D
Acq On : 9 Jan 2016 4:32
Operator : SY/AP
Sample : H1002-16
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 12 05:15:34 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-2

Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:16 AM

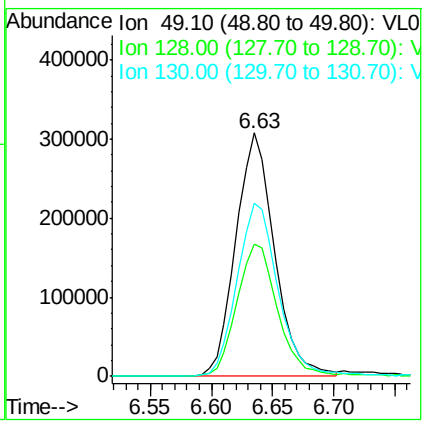




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

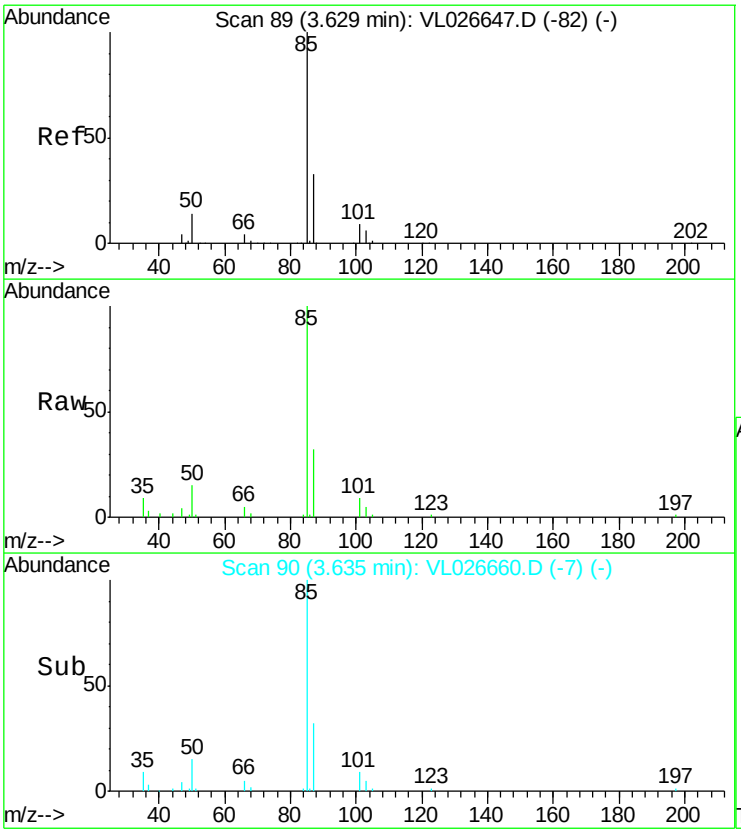
Tgt Ion: 49 Resp: 678244

Ion	Ratio	Lower	Upper
49	100		
128	58.1	25.9	77.7
130	77.0	33.6	100.8



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

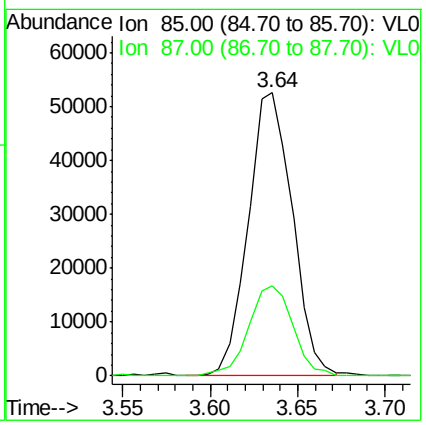
Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:16 AM

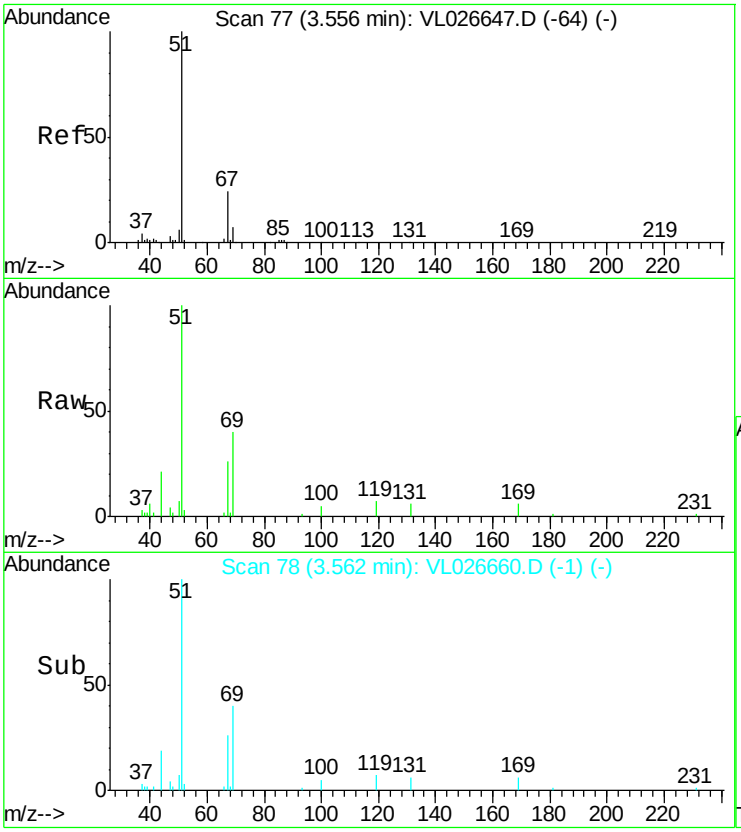


#2
Dichlorodifluoromethane
Concen: 0.51 ppbv
RT: 3.64 min Scan# 90
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 85 Resp: 92116

Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.4	39.6

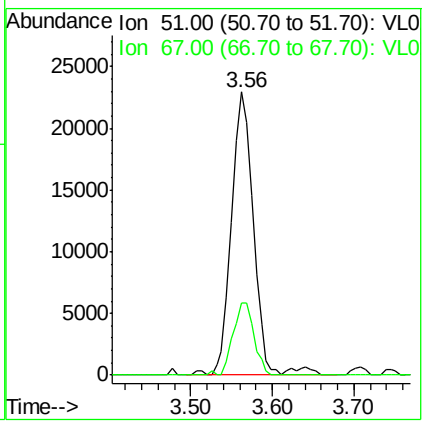




#3
Chlorodifluoromethane
Concen: 0.47 ppbv
RT: 3.56 min Scan# 78
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

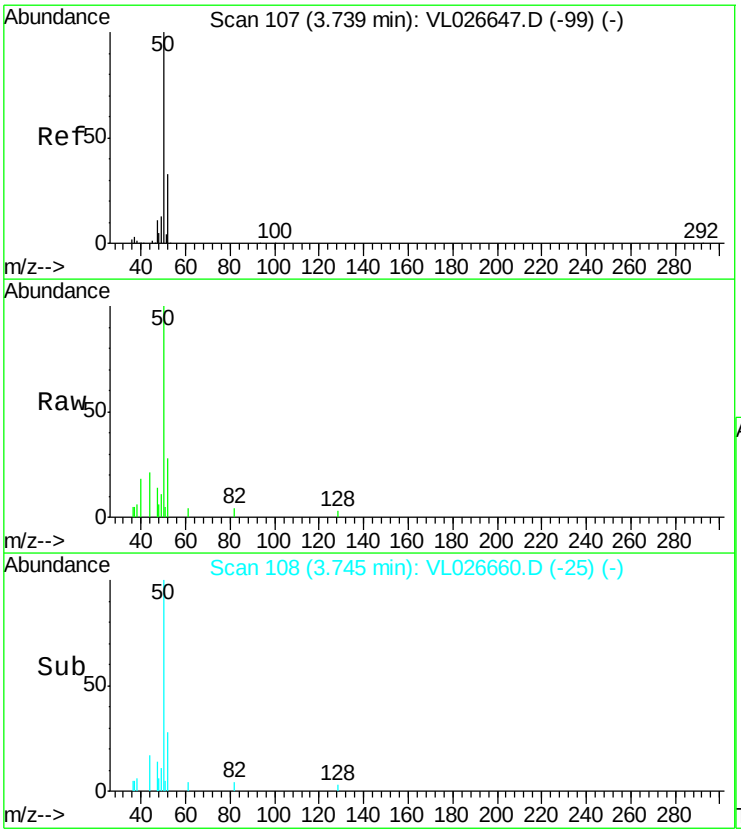
Tgt Ion: 51 Resp: 42606

Ion	Ratio	Lower	Upper
51	100		
67	24.1	18.6	28.0



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

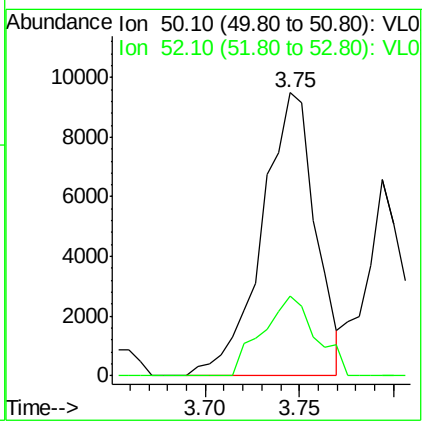
Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:16 AM

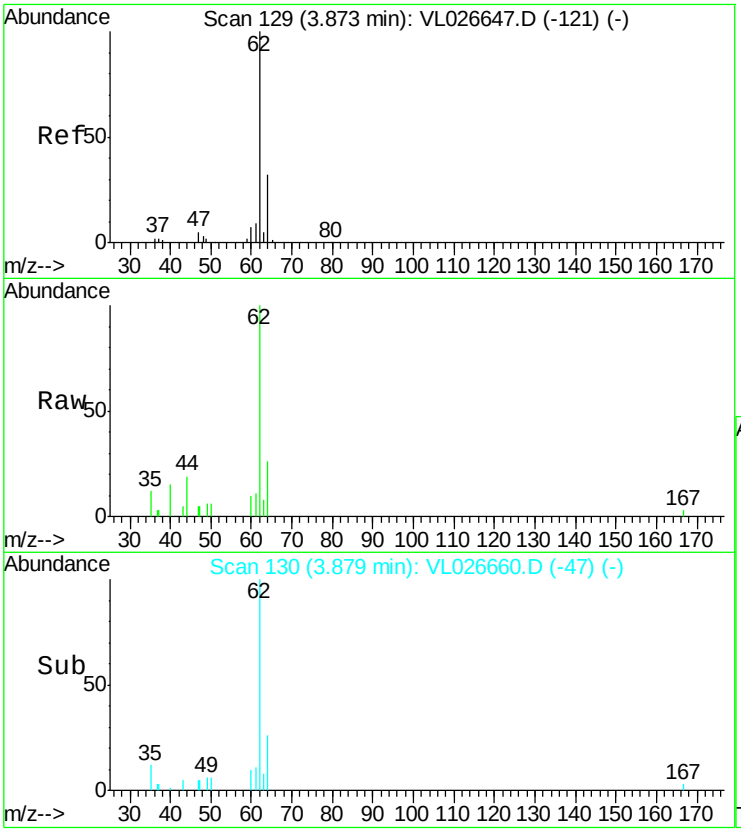


#4
Chloromethane
Concen: 0.42 ppbv
RT: 3.75 min Scan# 108
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 50 Resp: 18664

Ion	Ratio	Lower	Upper
50	100		
52	28.1	26.7	40.1

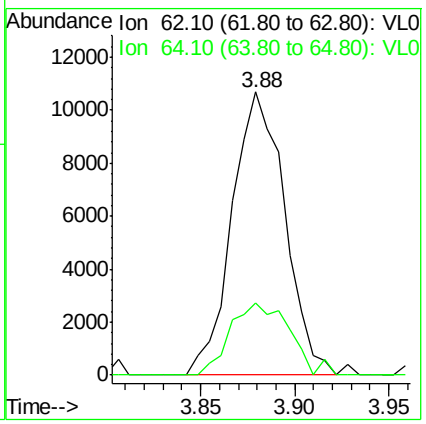




#5
Vinyl Chloride
Concen: 0.39 ppbv
RT: 3.88 min Scan# 130
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 62 Resp: 20771

Ion	Ratio	Lower	Upper
62	100		
64	25.6	25.6	38.4#



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Manual Integrations APPROVED
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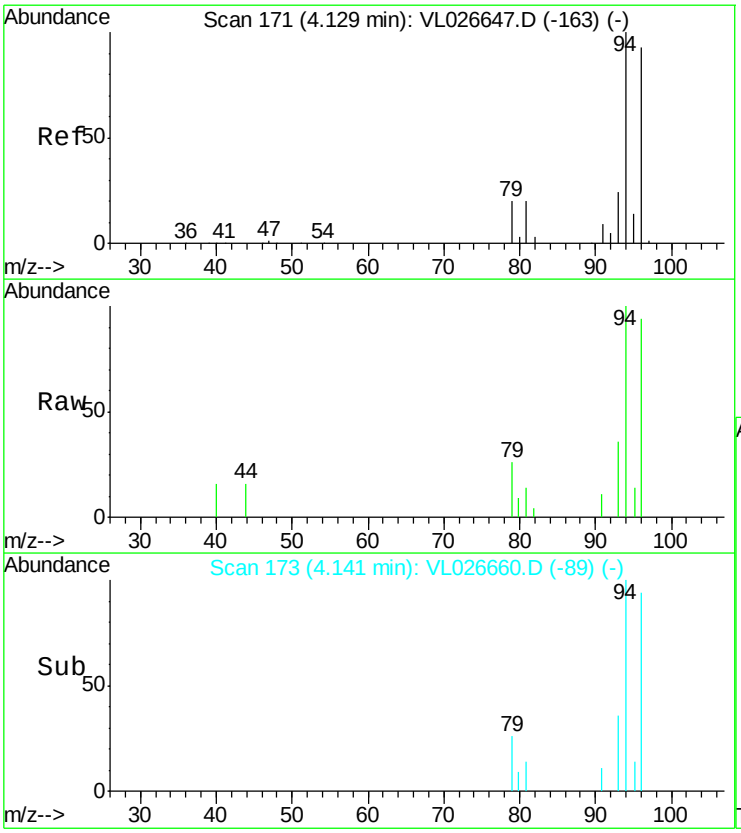
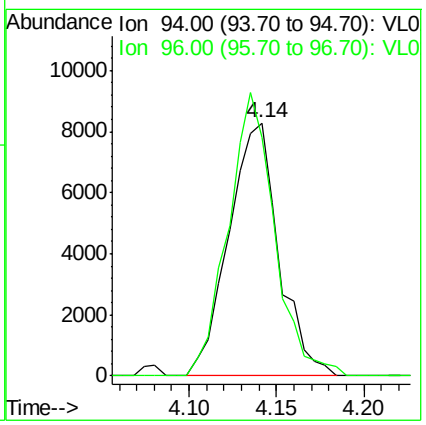
1/14/2016 10:51:16 AM

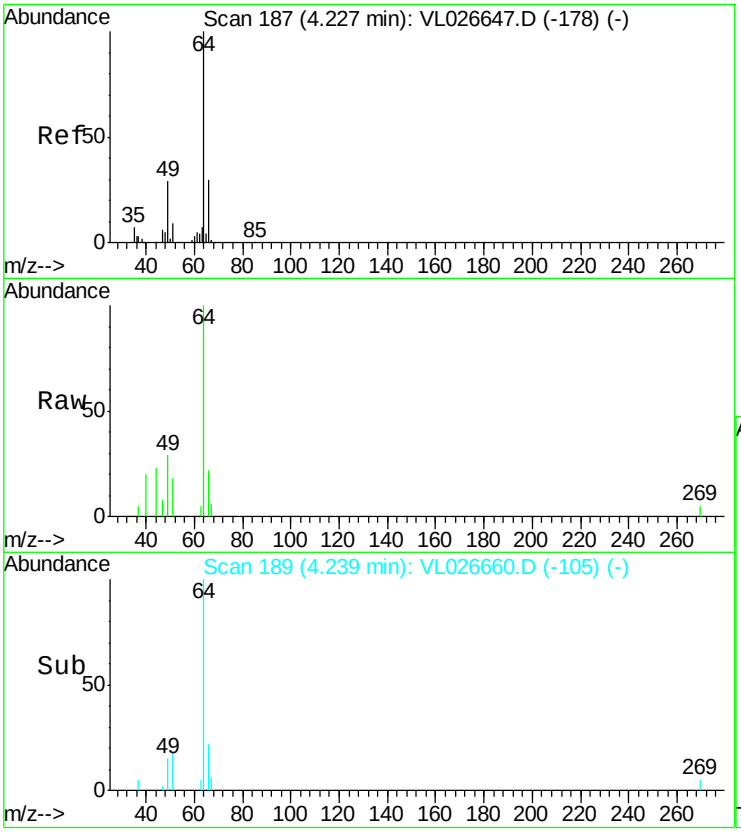


#6
Bromomethane
Concen: 0.43 ppbv
RT: 4.14 min Scan# 173
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 94 Resp: 16474

Ion	Ratio	Lower	Upper
94	100		
96	94.1	74.6	112.0





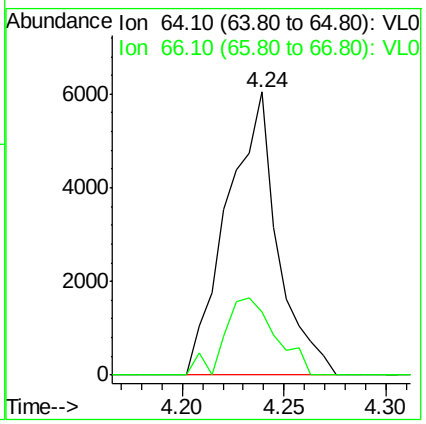
#7
Chloroethane
Concen: 0.48 ppbv
RT: 4.24 min Scan# 189
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

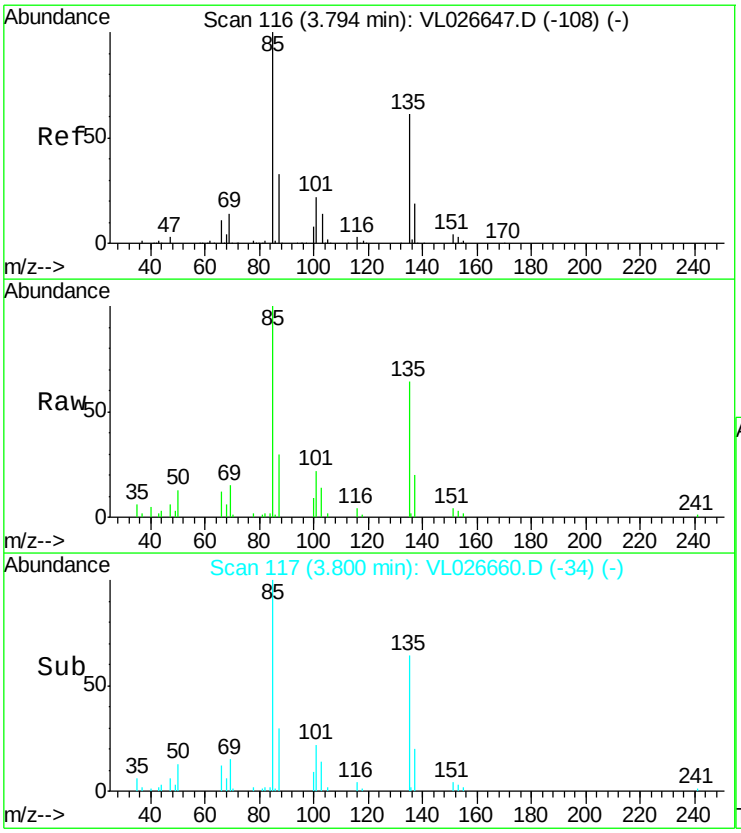
Tgt Ion: 64 Resp: 10420

Ion	Ratio	Lower	Upper
64	100		
66	22.3	24.3	36.5#

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:16 AM

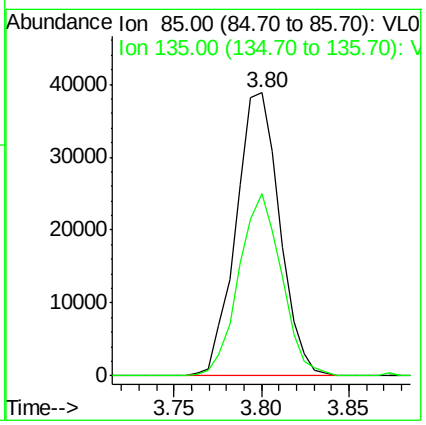


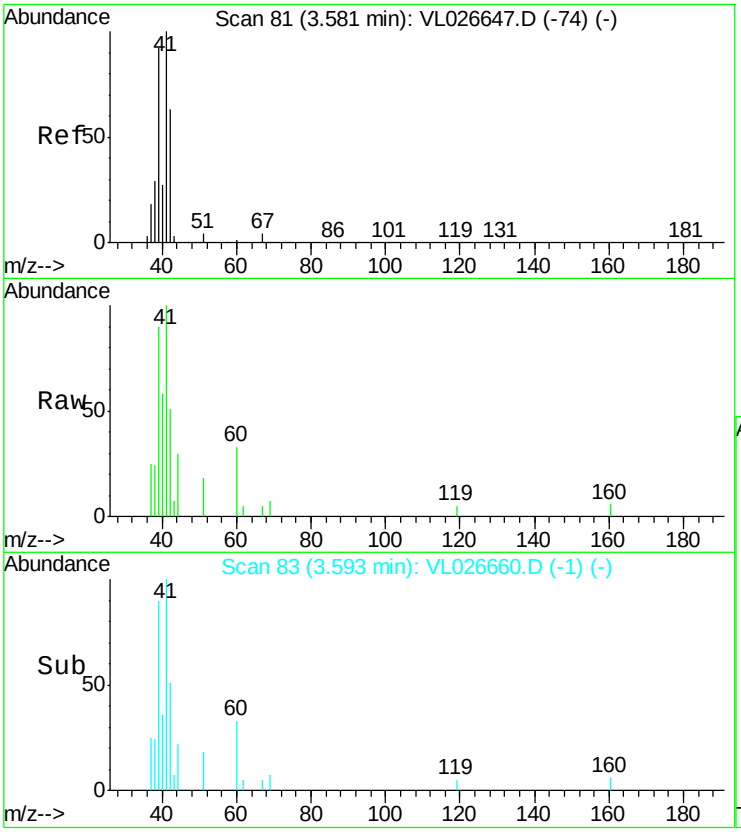


#8
Dichlorotetrafluoroethane
Concen: 0.48 ppbv
RT: 3.80 min Scan# 117
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 85 Resp: 67681

Ion	Ratio	Lower	Upper
85	100		
135	62.6	49.8	74.6

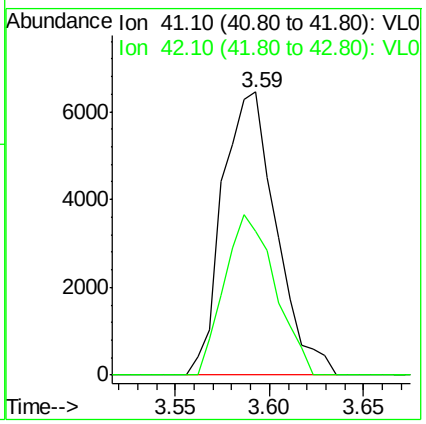




#9
Propene
Concen: 0.39 ppbv
RT: 3.59 min Scan# 83
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

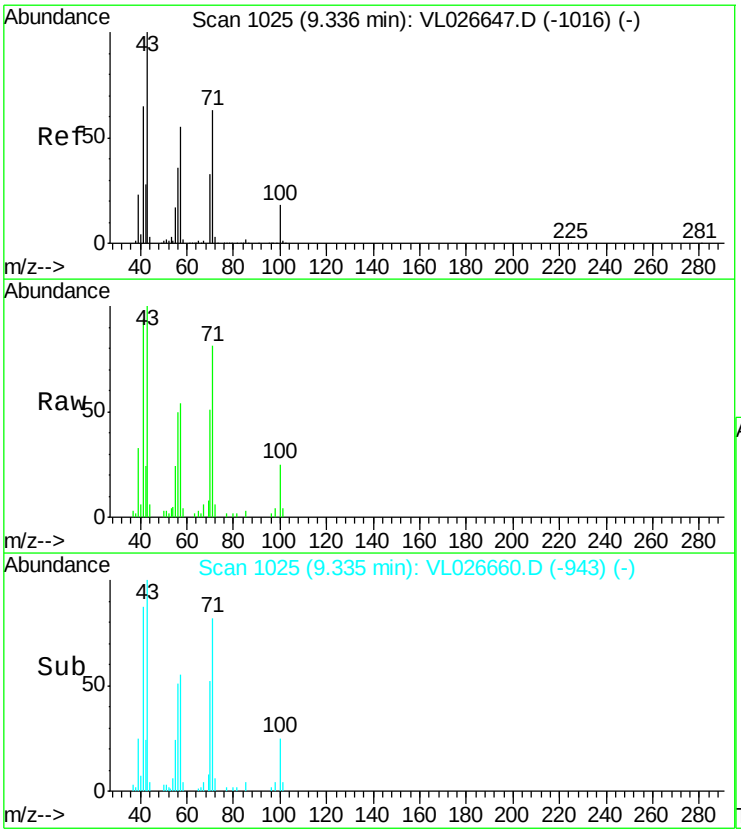
Tgt Ion: 41 Resp: 12761

Ion	Ratio	Lower	Upper
41	100		
42	53.7	53.6	80.4



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

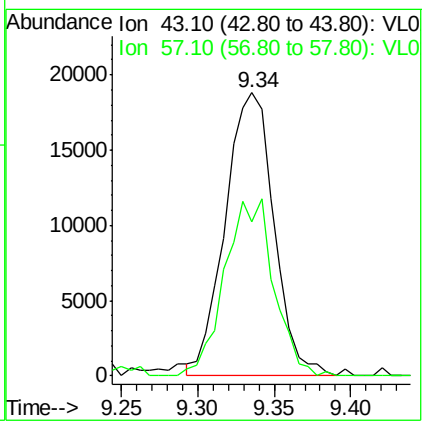
Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:16 AM

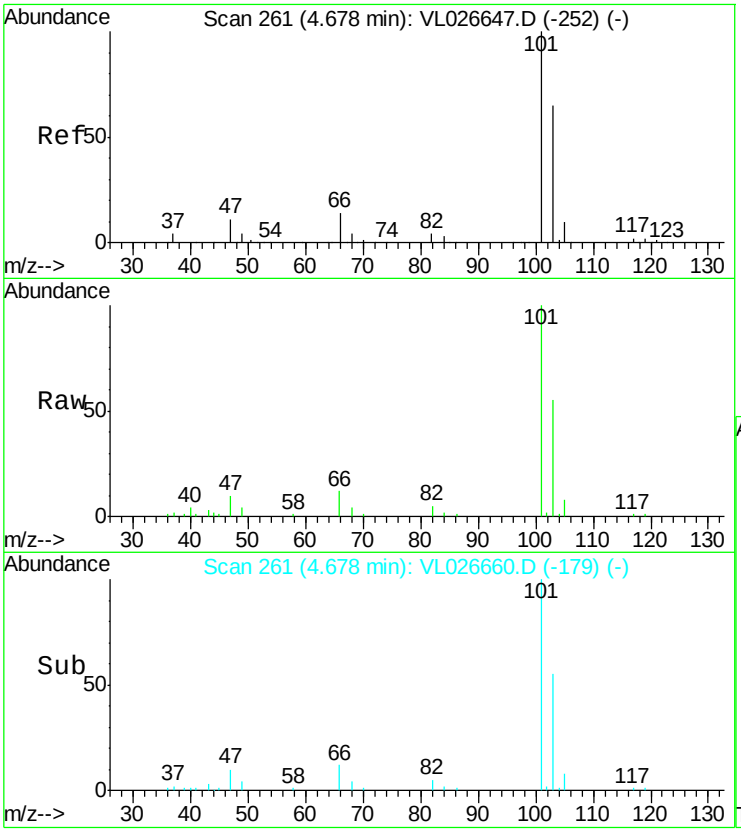


#10
Heptane
Concen: 0.34 ppbv
RT: 9.34 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 43 Resp: 41642

Ion	Ratio	Lower	Upper
43	100		
57	64.4	45.8	68.6





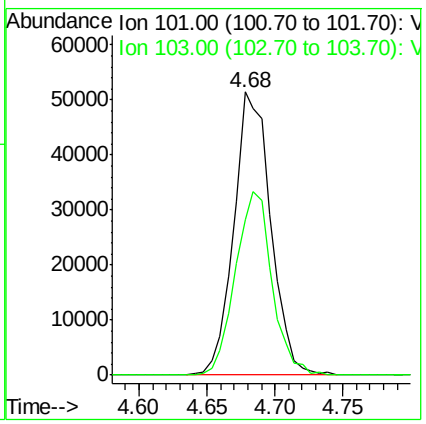
#11
Trichlorofluoromethane
Concen: 0.52 ppbv
RT: 4.68 min Scan# 261
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

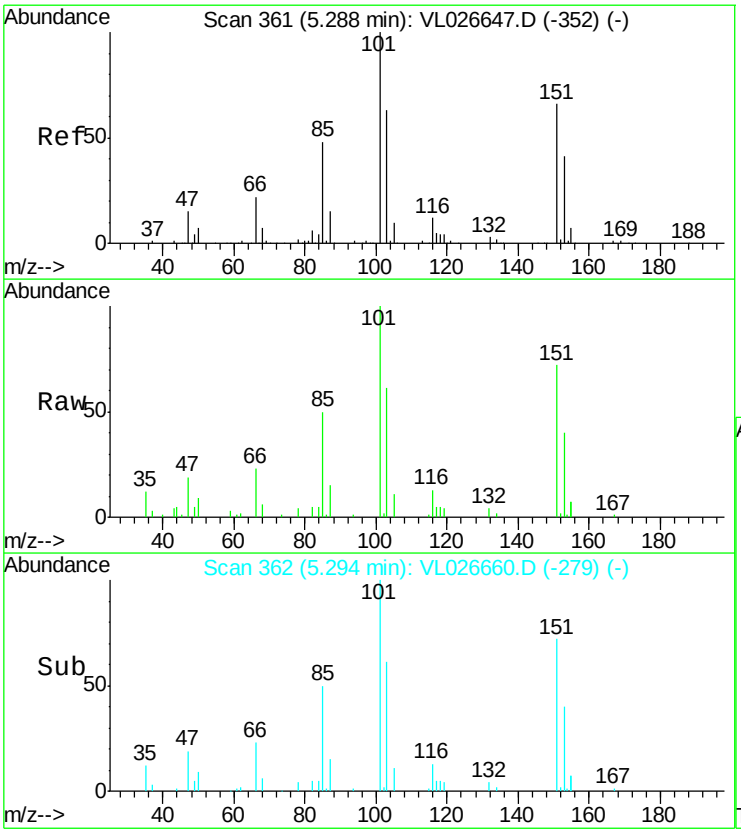
Tgt Ion:101 Resp: 97516

Ion	Ratio	Lower	Upper
101	100		
103	54.7	51.7	77.5

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:16 AM

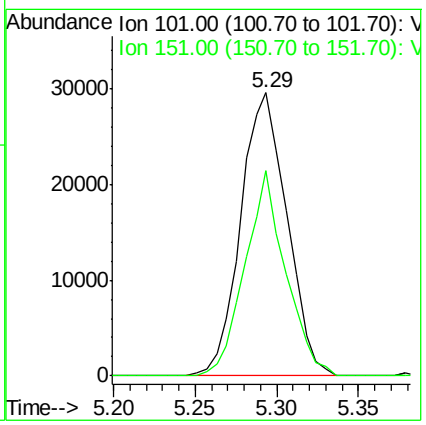


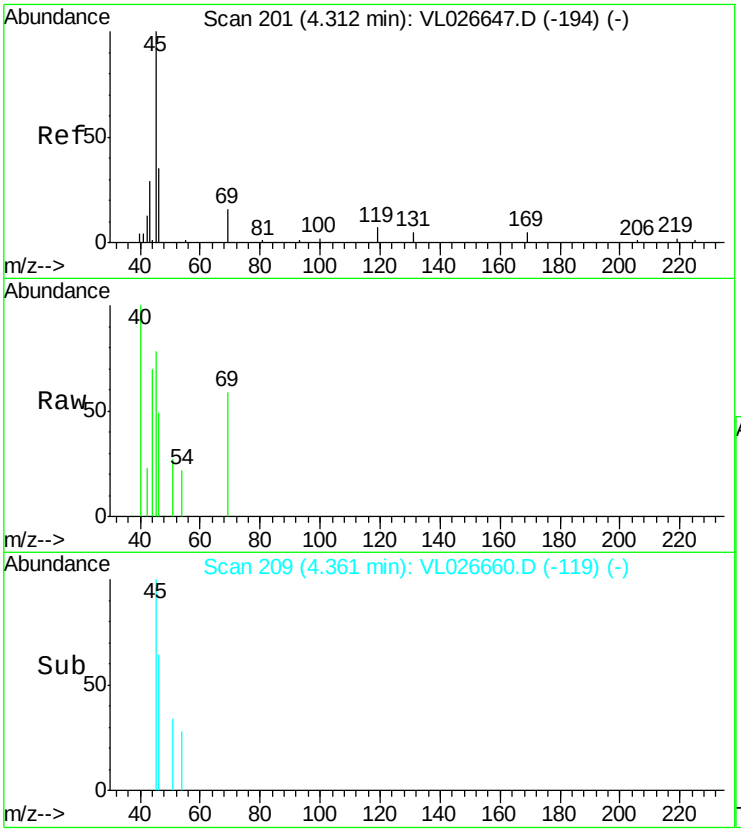


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.51 ppbv
RT: 5.29 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:101 Resp: 58257

Ion	Ratio	Lower	Upper
101	100		
151	63.9	54.2	81.4

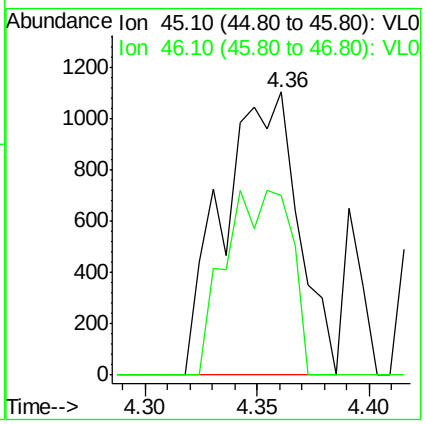




#13
Ethanol
Concen: 0.42 ppbv m
RT: 4.36 min Scan# 209
Delta R.T. 0.05 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 45 Resp: 2567

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.7	66.7#



Instrument :
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ClientSampleId :
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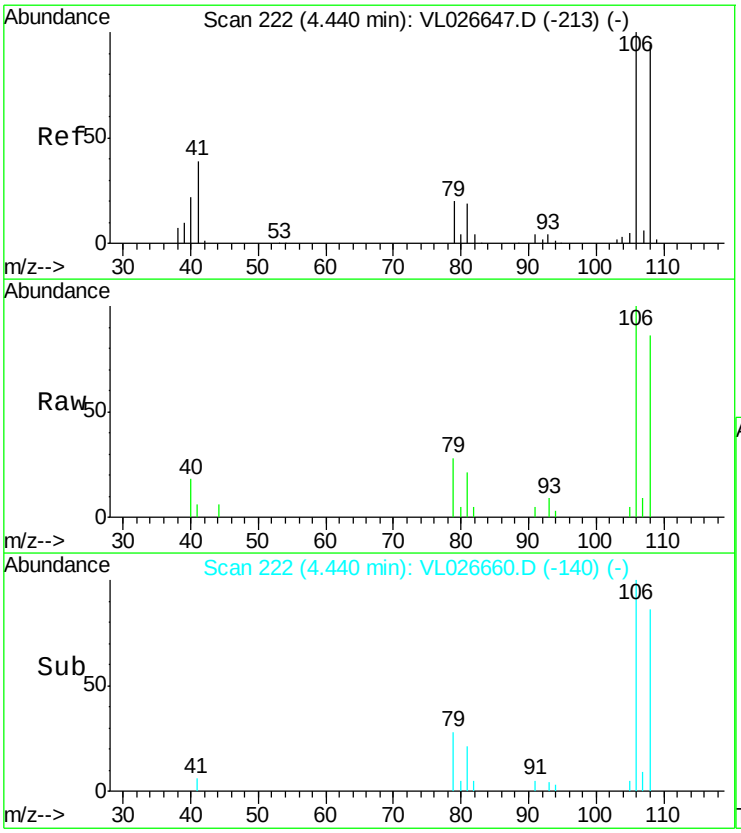
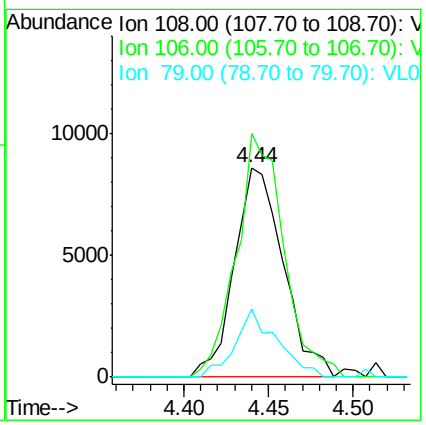
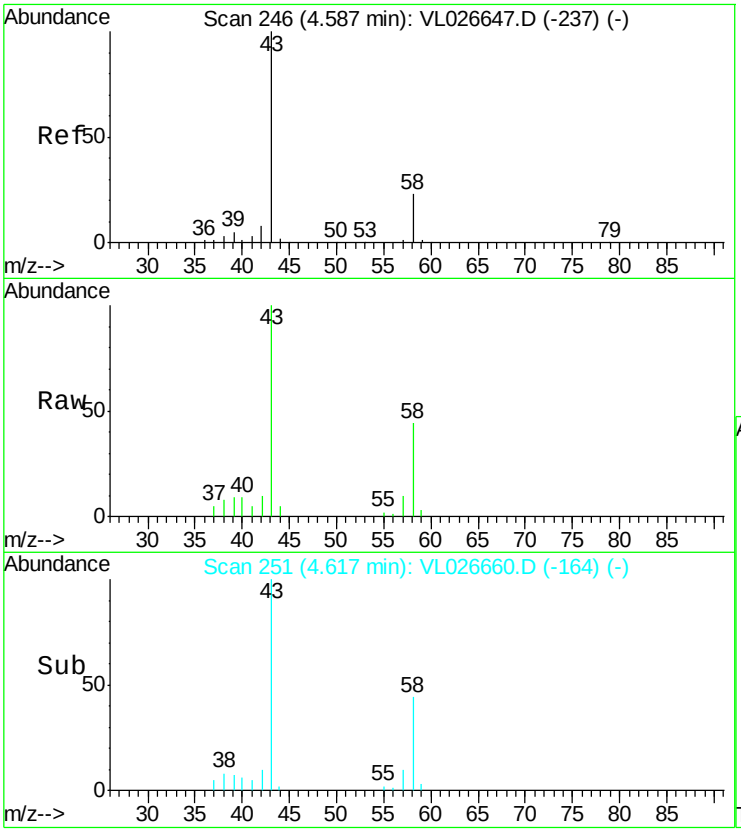


#14
Bromoethene
Concen: 0.42 ppbv m
RT: 4.44 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:108 Resp: 17455

Ion	Ratio	Lower	Upper
108	100		
106	112.4	86.4	129.6
79	28.5	17.2	25.8#

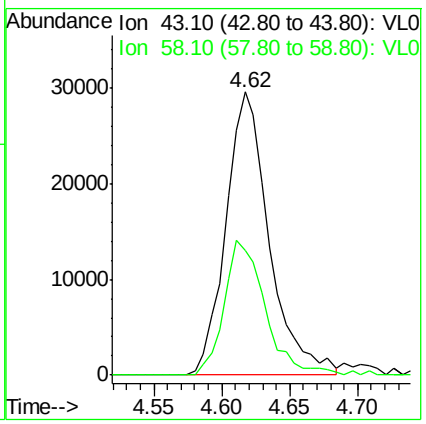




#15
Acetone
Concen: 0.59 ppbv
RT: 4.62 min Scan# 251
Delta R.T. 0.03 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 43 Resp: 65557

Ion	Ratio	Lower	Upper
43	100		
58	45.5	19.2	28.8#



Instrument :
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ClientSampleId :
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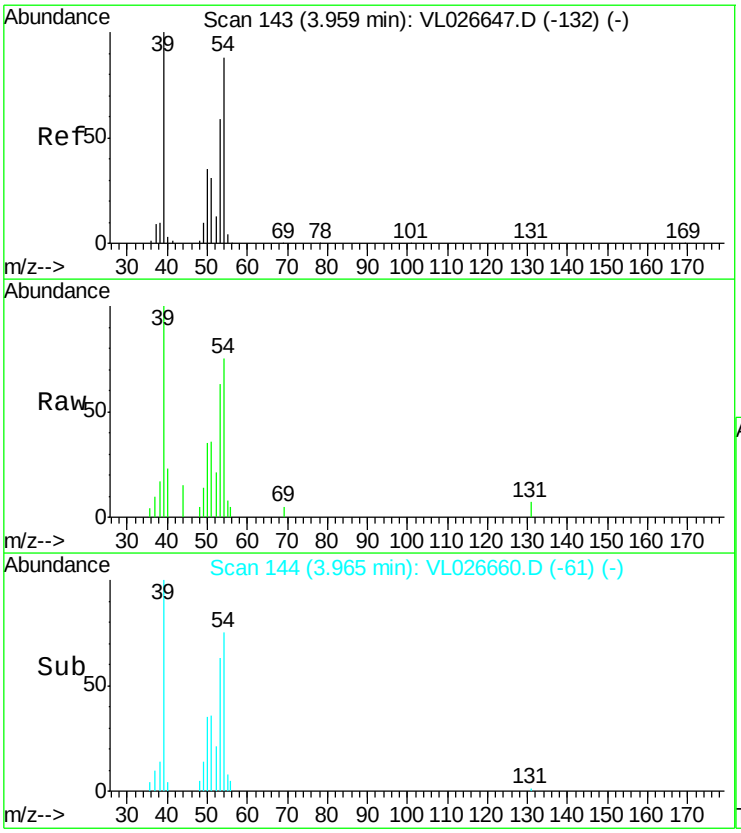
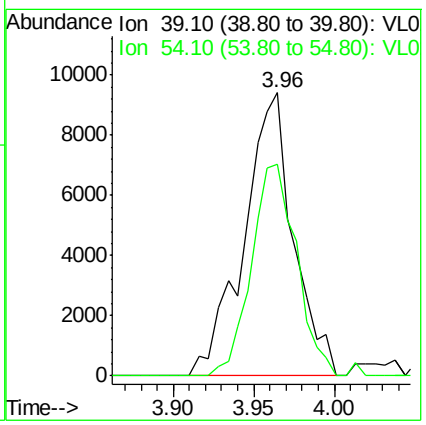
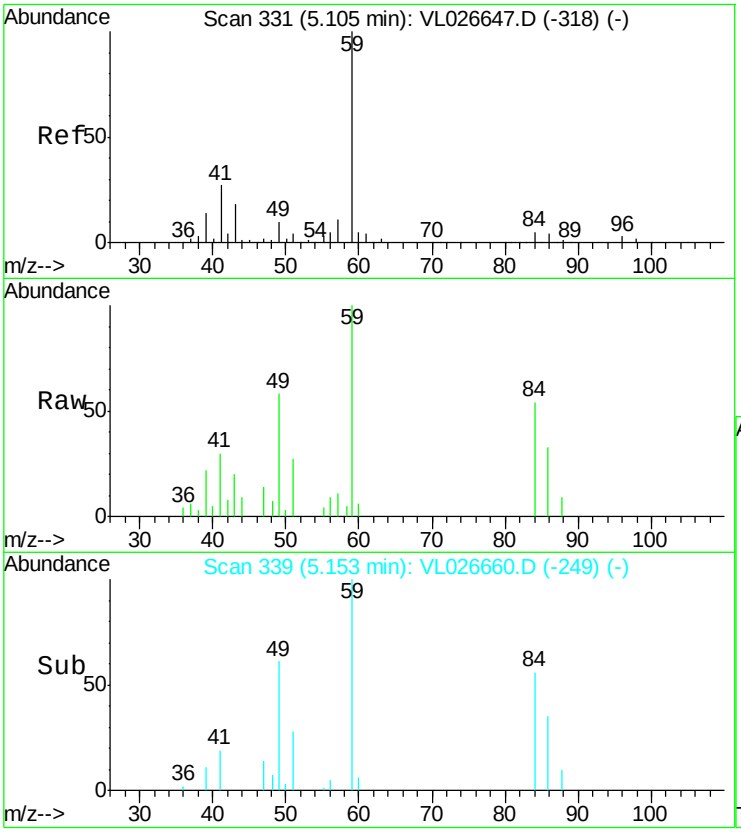


#16
1,3-Butadiene
Concen: 0.45 ppbv m
RT: 3.96 min Scan# 144
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 39 Resp: 20119

Ion	Ratio	Lower	Upper
39	100		
54	69.0	66.6	100.0

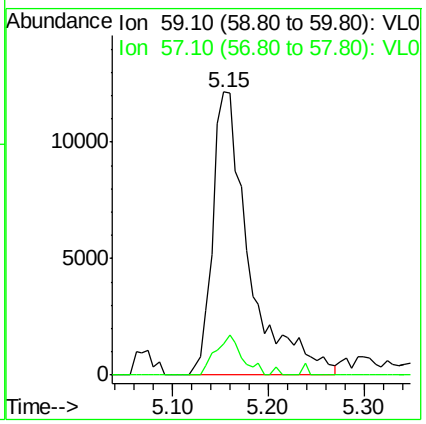




#17
tert-Butyl alcohol
Concen: 0.38 ppbv m
RT: 5.15 min Scan# 339
Delta R.T. 0.05 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 59 Resp: 32290

Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.0	13.6



Instrument :
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ClientSampleId :
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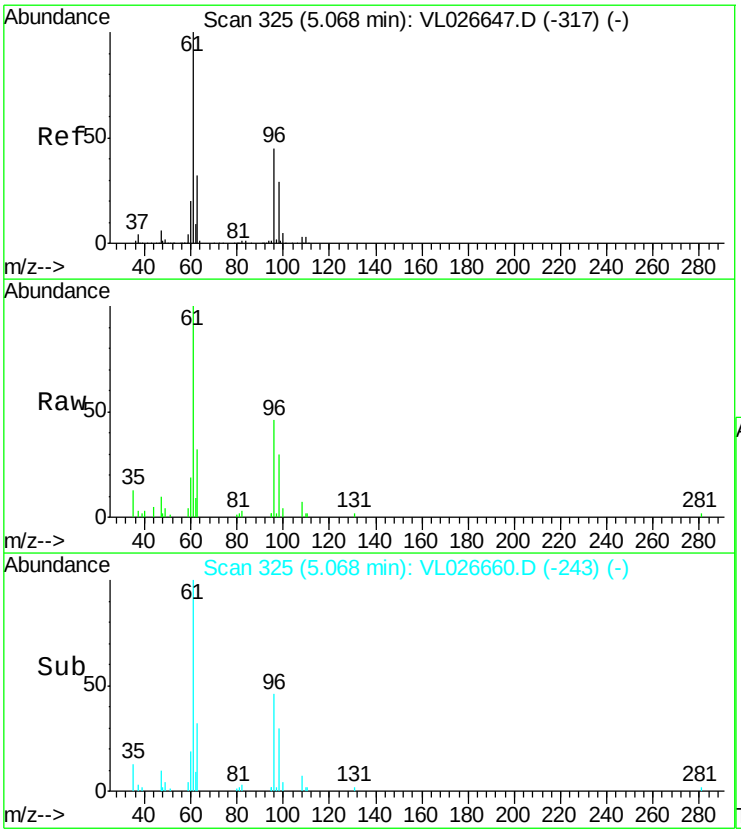
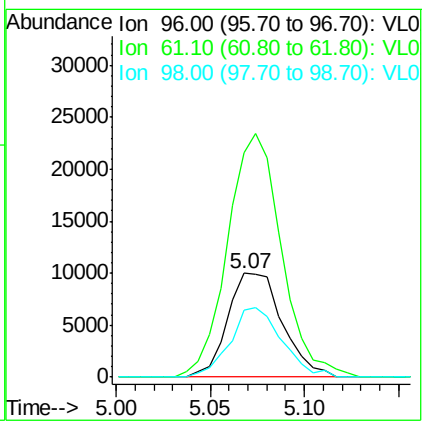
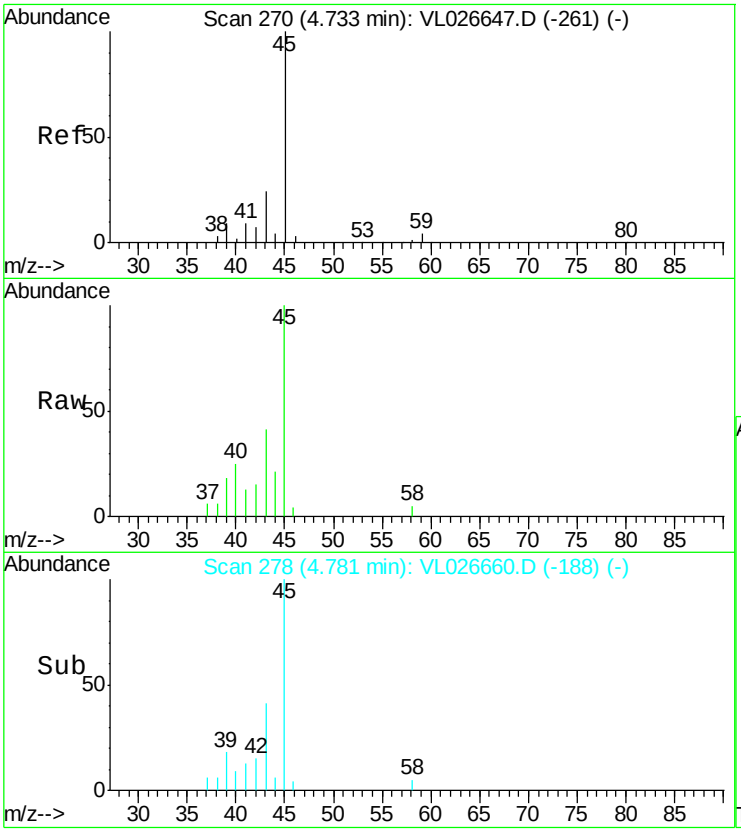


#18
1,1-Dichloroethene
Concen: 0.42 ppbv
RT: 5.07 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 96 Resp: 20189

Ion	Ratio	Lower	Upper
96	100		
61	210.6	176.7	265.1
98	64.7	51.8	77.6

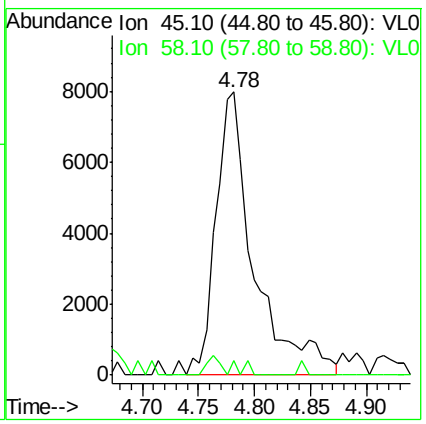




#19
Isopropyl Alcohol
Concen: 0.41 ppbv m
RT: 4.78 min Scan# 278
Delta R.T. 0.05 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 45 Resp: 18961

Ion	Ratio	Lower	Upper
45	100		
58	157.2	1.3	1.9#



Instrument :
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ClientSampleId :
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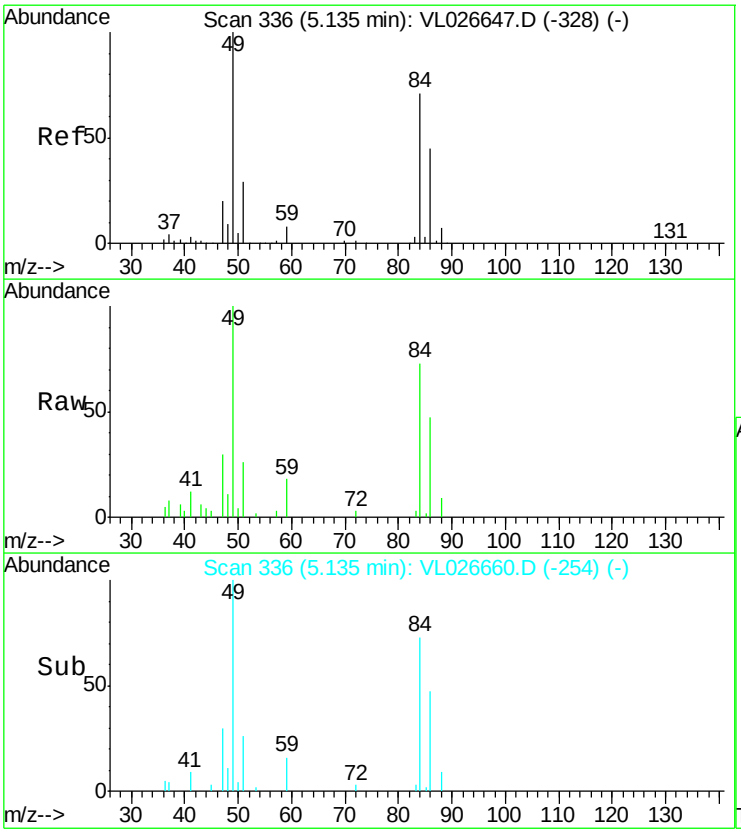
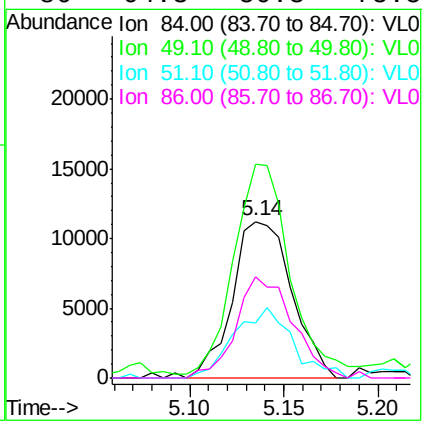
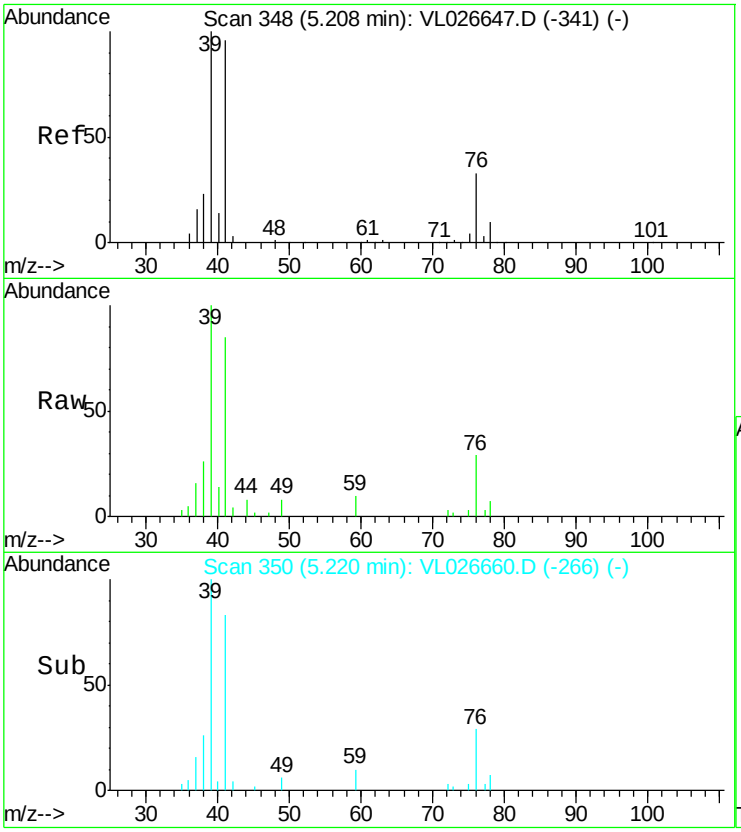


#20
Methylene Chloride
Concen: 0.54 ppbv
RT: 5.14 min Scan# 336
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 84 Resp: 24568

Ion	Ratio	Lower	Upper
84	100		
49	133.8	112.3	168.5
51	35.4	32.5	48.7
86	64.3	50.3	75.5

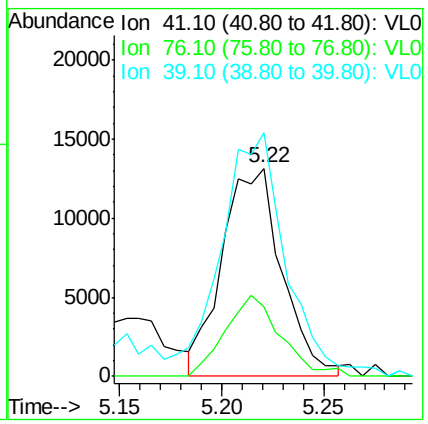




#21
Allvl Chloride
Concen: 0.39 ppbv
RT: 5.22 min Scan# 350
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 41 Resp: 26771

Ion	Ratio	Lower	Upper
41	100		
76	36.2	27.5	41.3
39	146.6	83.0	124.6#



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

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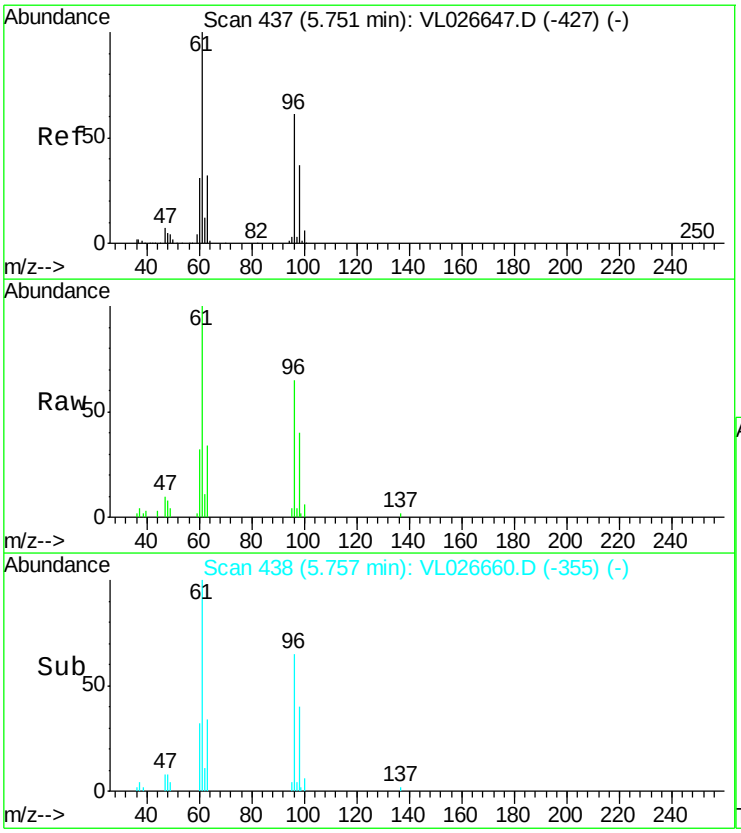
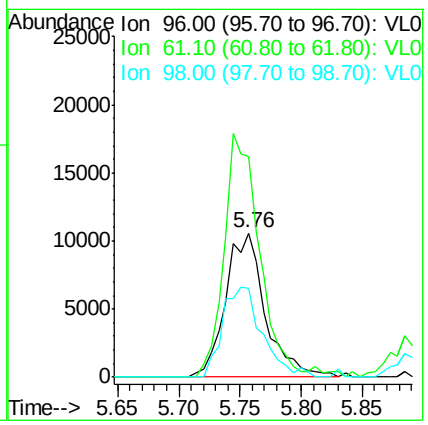
1/14/2016 10:51:16 AM

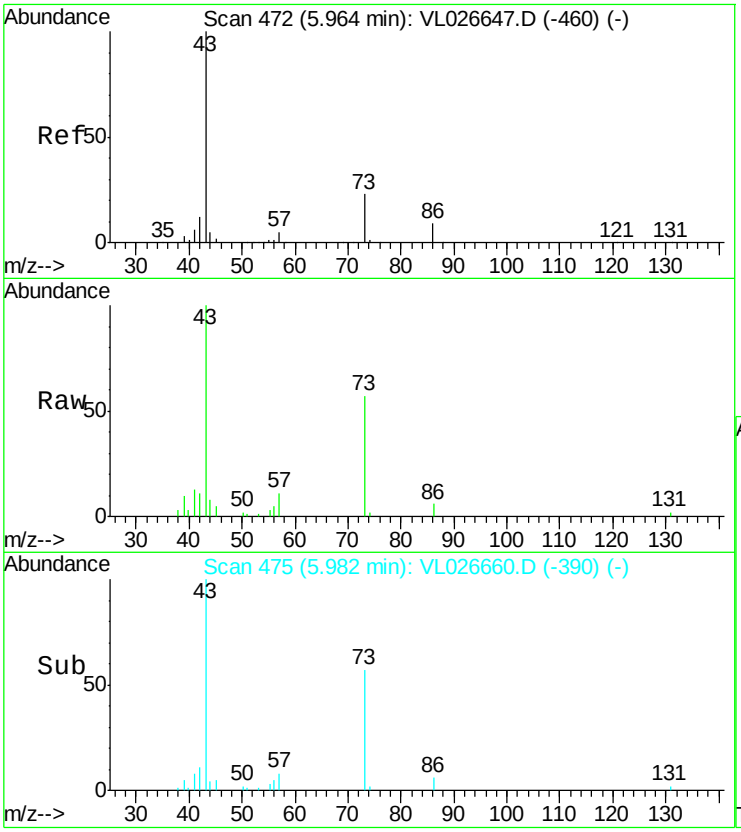


#22
trans-1,2-Dichloroethene
Concen: 0.43 ppbv
RT: 5.76 min Scan# 438
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 96 Resp: 23638

Ion	Ratio	Lower	Upper
96	100		
61	152.8	131.0	196.6
98	65.0	48.1	72.1

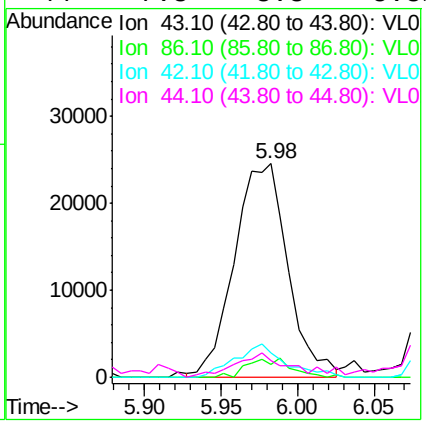




#23
Vinyl Acetate
Concen: 0.35 ppbv
RT: 5.98 min Scan# 475
Delta R.T. 0.02 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 43 Resp: 59482

Ion	Ratio	Lower	Upper
43	100		
86	6.2	7.4	11.0#
42	11.7	9.2	13.8
44	7.8	3.8	5.8#



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

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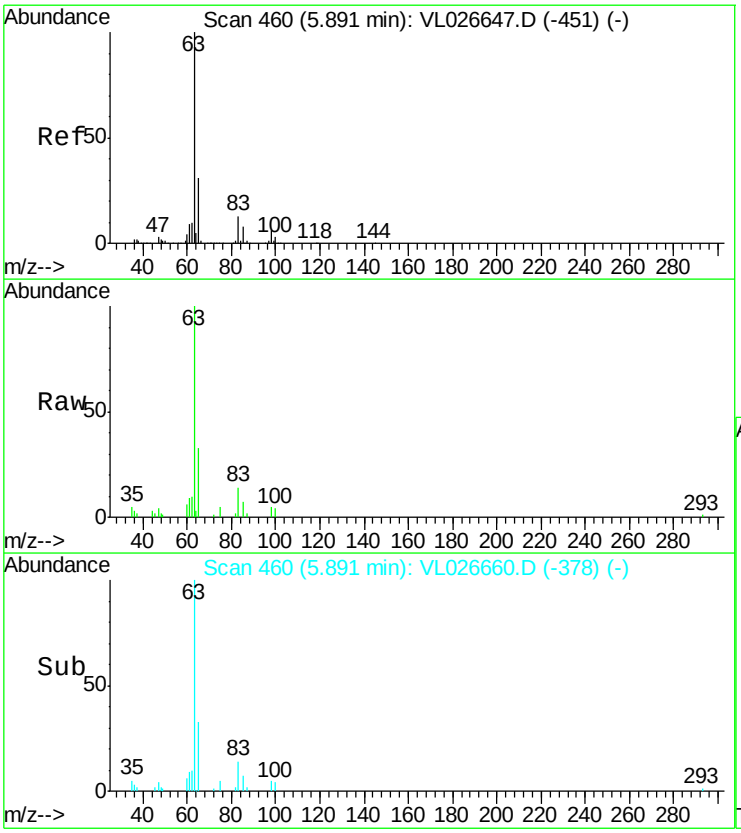
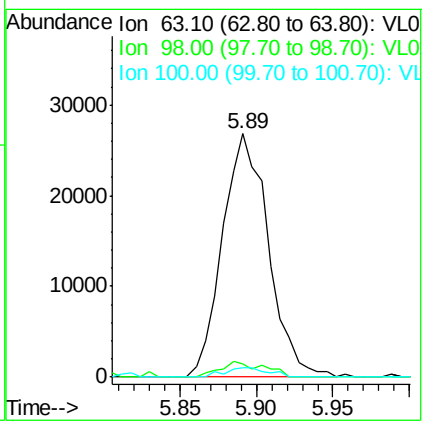
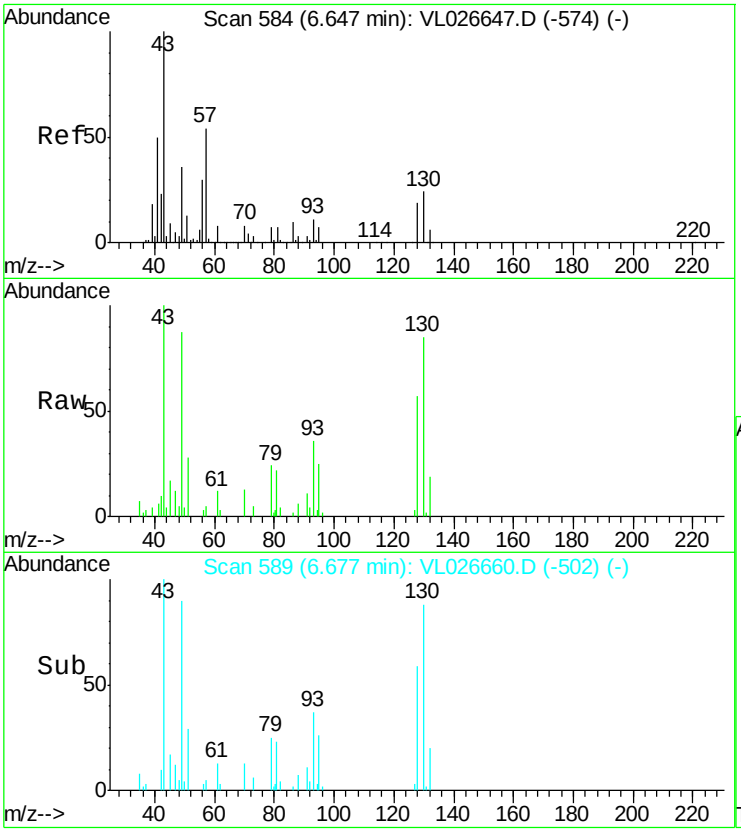


#24
1,1-Dichloroethane
Concen: 0.45 ppbv
RT: 5.89 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 63 Resp: 55812

Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.9	8.7
100	3.7	1.6	4.8

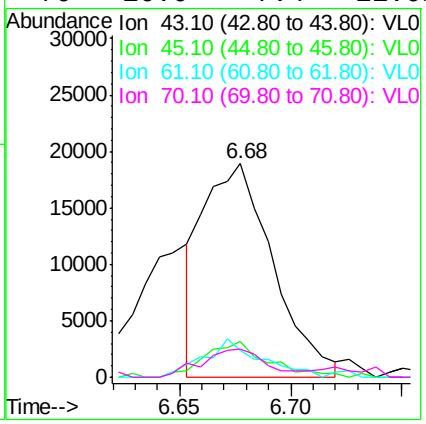




#25
Ethyl Acetate
Concen: 0.24 ppbv m
RT: 6.68 min Scan# 589
Delta R.T. 0.03 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 43 Resp: 41322

Ion	Ratio	Lower	Upper
43	100		
45	15.7	7.5	11.3#
61	15.5	7.3	10.9#
70	16.0	7.4	11.0#



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

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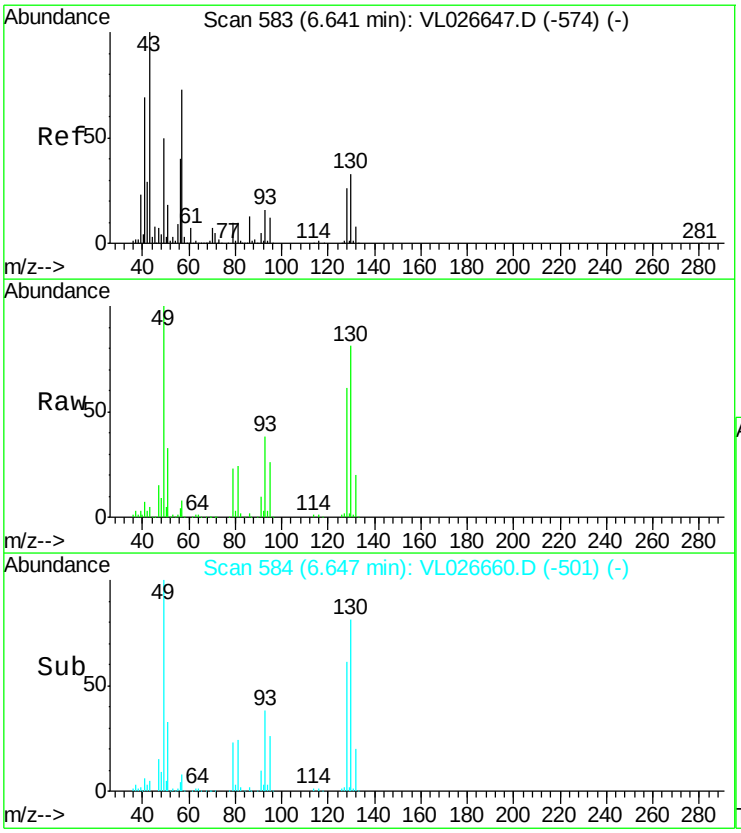
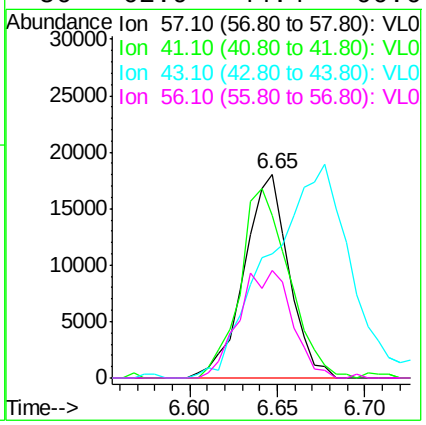
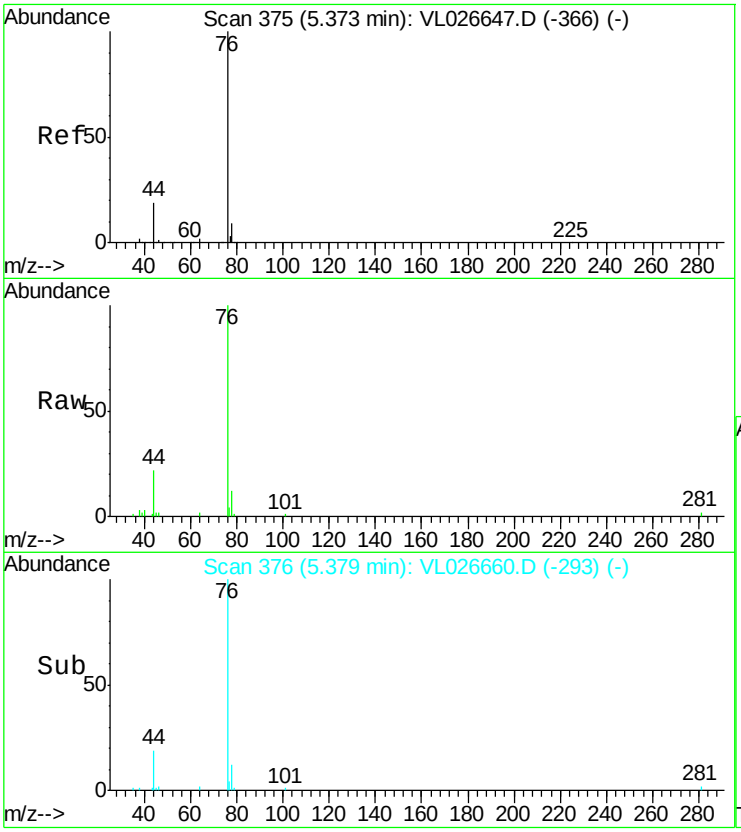


#26
Hexane
Concen: 0.36 ppbv
RT: 6.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 57 Resp: 32143

Ion	Ratio	Lower	Upper
57	100		
41	103.0	74.8	112.2
43	197.9	161.5	242.3
56	62.9	44.4	66.6

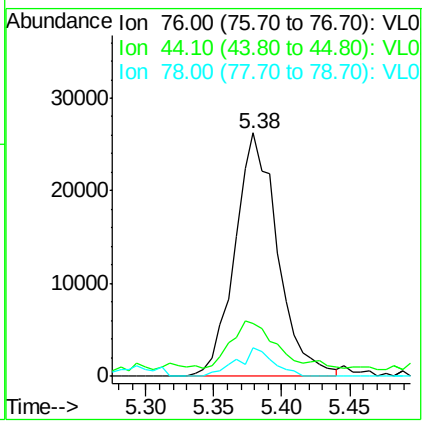




#27
Carbon Disulfide
Concen: 0.44 ppbv
RT: 5.38 min Scan# 376
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 76 Resp: 57821

Ion	Ratio	Lower	Upper
76	100		
44	28.4	15.9	23.9#
78	9.7	7.6	11.4



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Manual Integrations APPROVED
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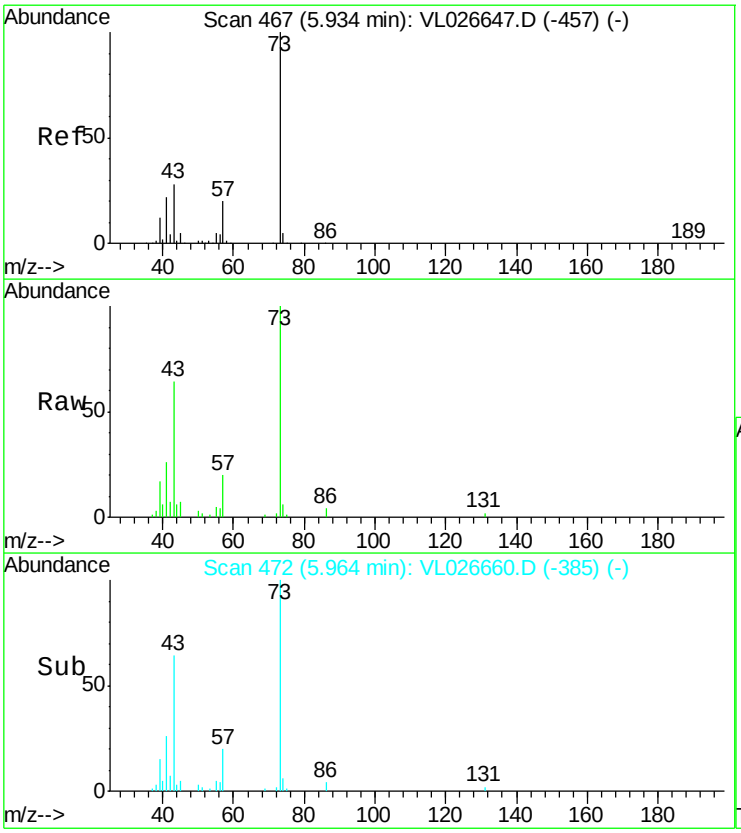
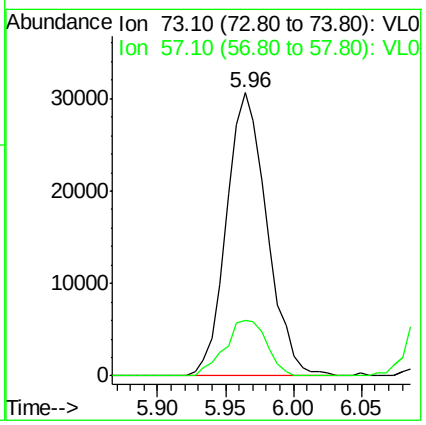
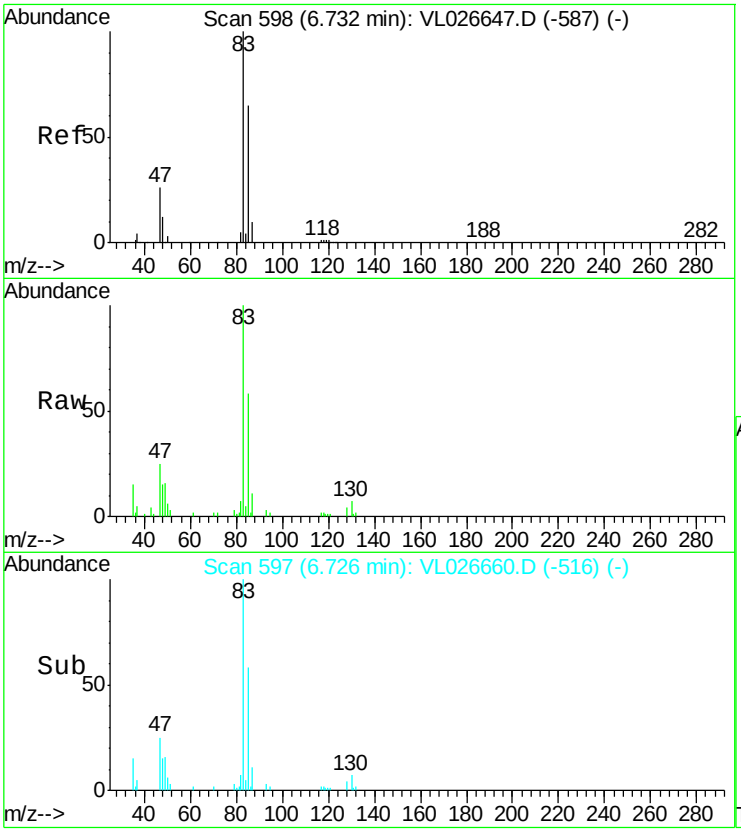


#28
Methyl tert-Butyl Ether
Concen: 0.36 ppbv
RT: 5.96 min Scan# 472
Delta R.T. 0.03 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 73 Resp: 63582

Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.2	24.4

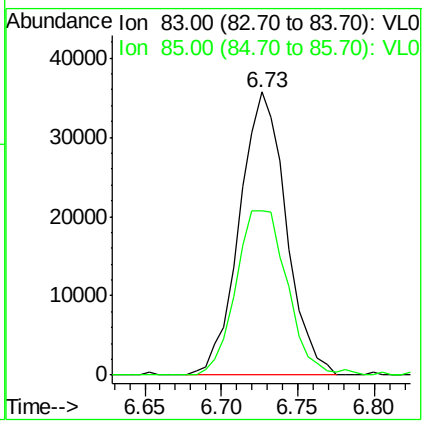




#29
Chloroform
Concen: 0.47 ppbv
RT: 6.73 min Scan# 597
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 83 Resp: 76026

Ion	Ratio	Lower	Upper
83	100		
85	57.9	51.6	77.4



Instrument :
MSVOA_L
ClientSampleId :
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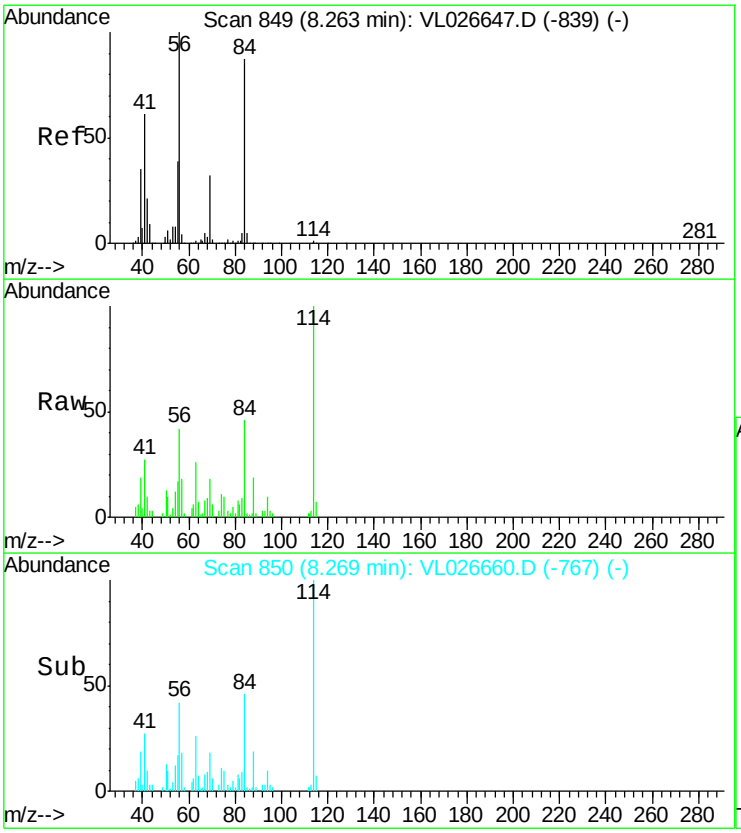
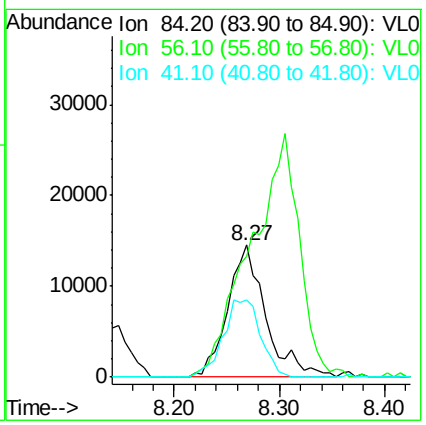
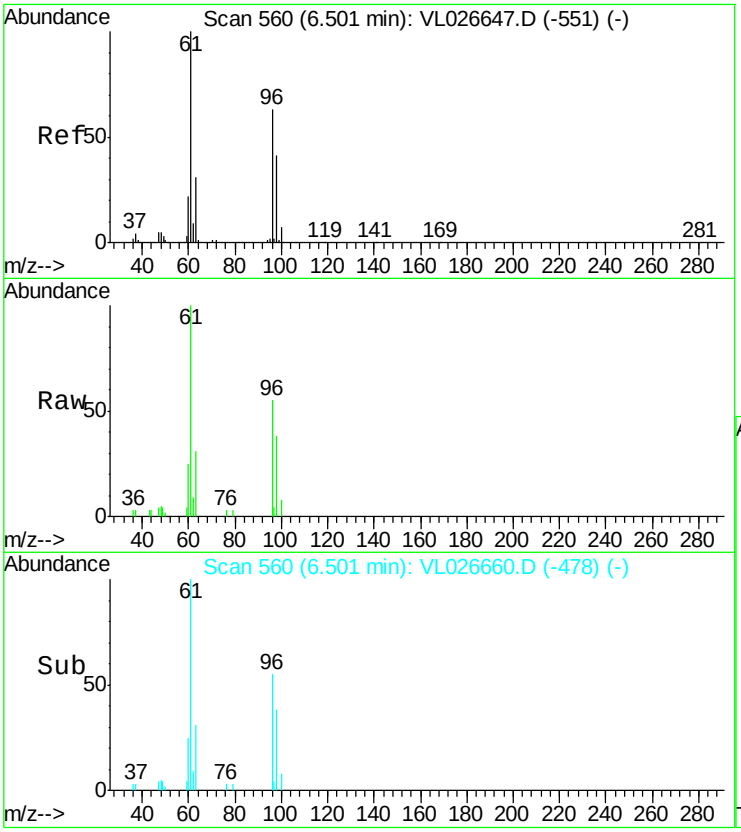


#30
Cyclohexane
Concen: 0.42 ppbv m
RT: 8.27 min Scan# 850
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 84 Resp: 36553

Ion	Ratio	Lower	Upper
84	100		
56	0.0	95.9	143.9#
41	57.8	54.8	82.2

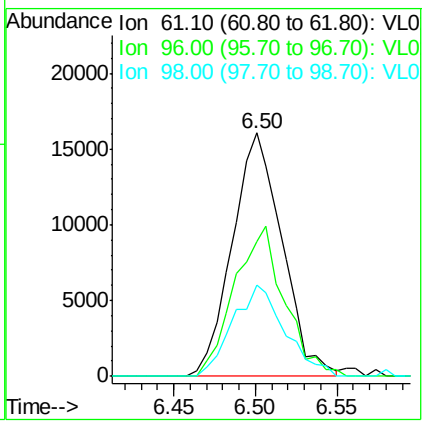




#31
cis-1,2-Dichloroethene
Concen: 0.38 ppbv
RT: 6.50 min Scan# 560
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 61 Resp: 34234

Ion	Ratio	Lower	Upper
61	100		
96	55.5	50.2	75.4
98	37.6	32.4	48.6



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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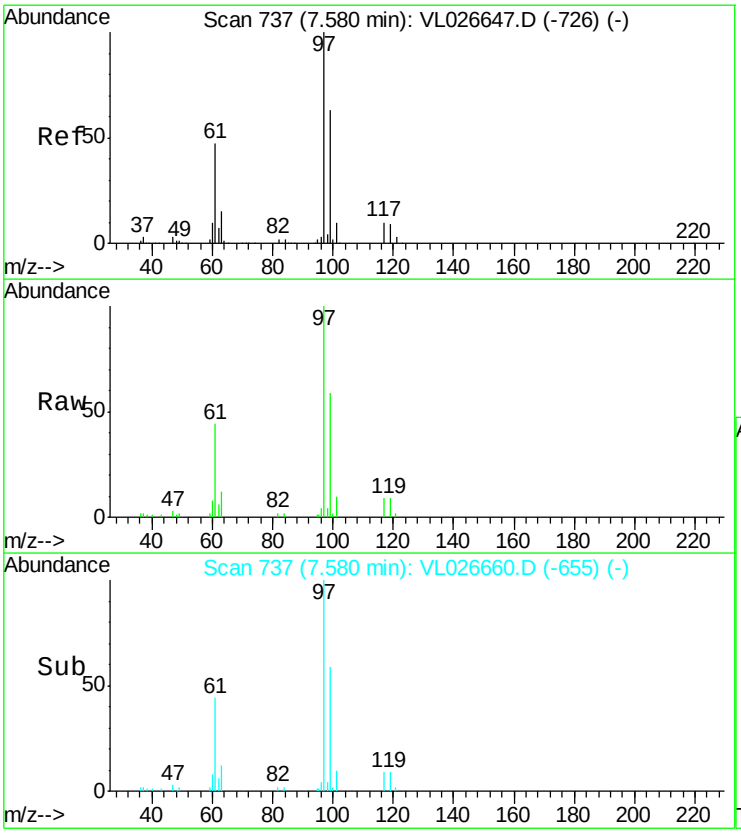
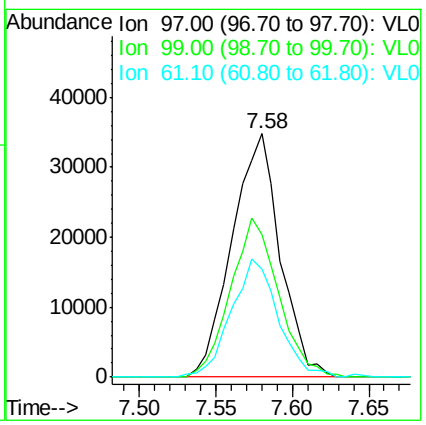
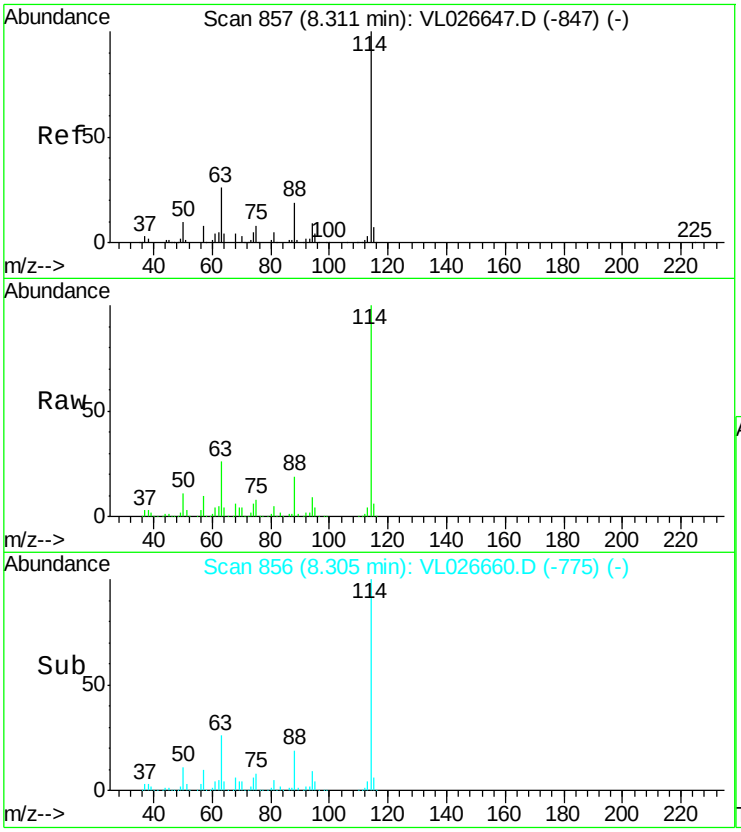


#32
1,1,1-Trichloroethane
Concen: 0.42 ppbv
RT: 7.58 min Scan# 737
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 97 Resp: 76041

Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.8	76.2
61	47.5	38.9	58.3

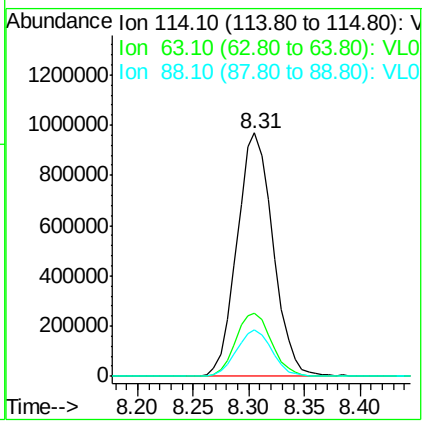




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.31 min Scan# 856
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:114 Resp: 2179985

Ion	Ratio	Lower	Upper
114	100		
63	26.1	21.7	32.5
88	19.0	15.2	22.8



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

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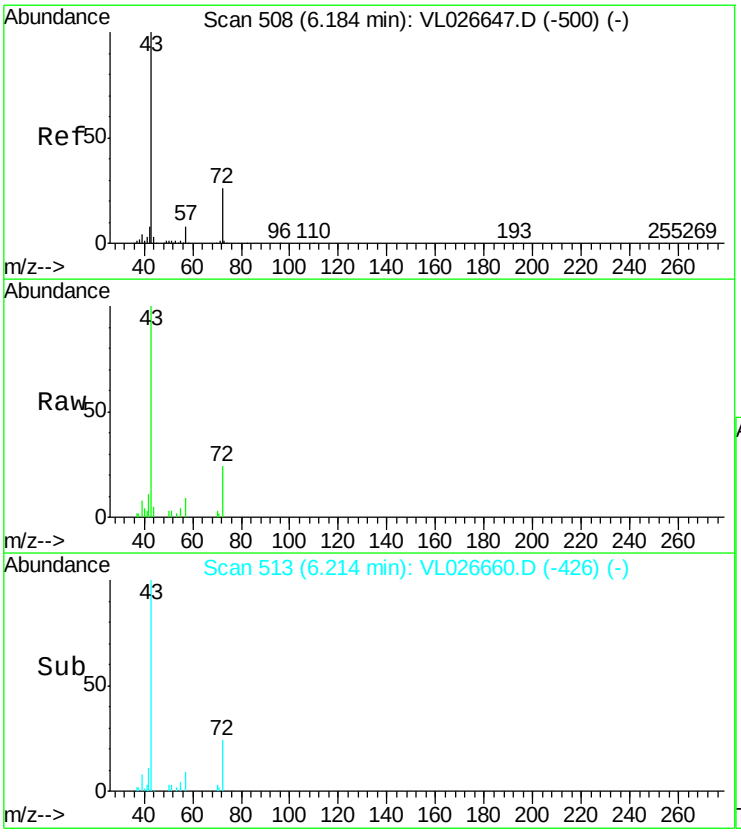
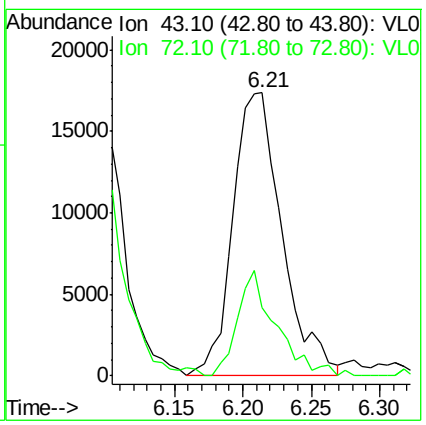
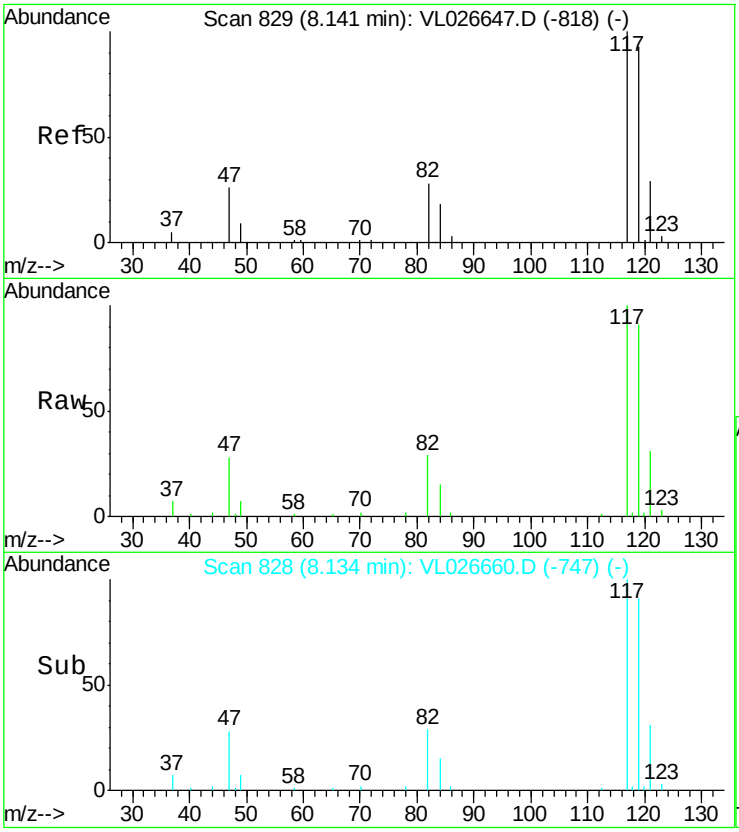


#34
2-Butanone
Concen: 0.37 ppbv m
RT: 6.21 min Scan# 513
Delta R.T. 0.03 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 43 Resp: 43550

Ion	Ratio	Lower	Upper
43	100		
72	29.0	20.9	31.3

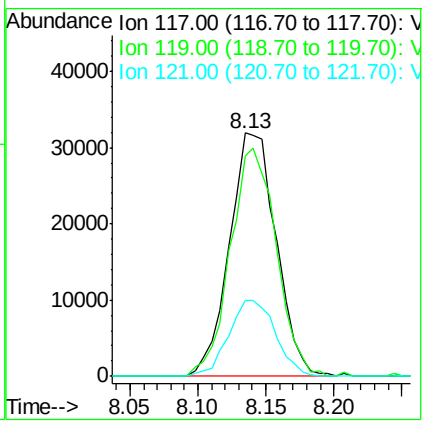




#35
Carbon Tetrachloride
Concen: 0.40 ppbv
RT: 8.13 min Scan# 828
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:117 Resp: 76610

Ion	Ratio	Lower	Upper
117	100		
119	90.6	74.7	112.1
121	31.4	23.1	34.7



Instrument :
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ClientSampleId :
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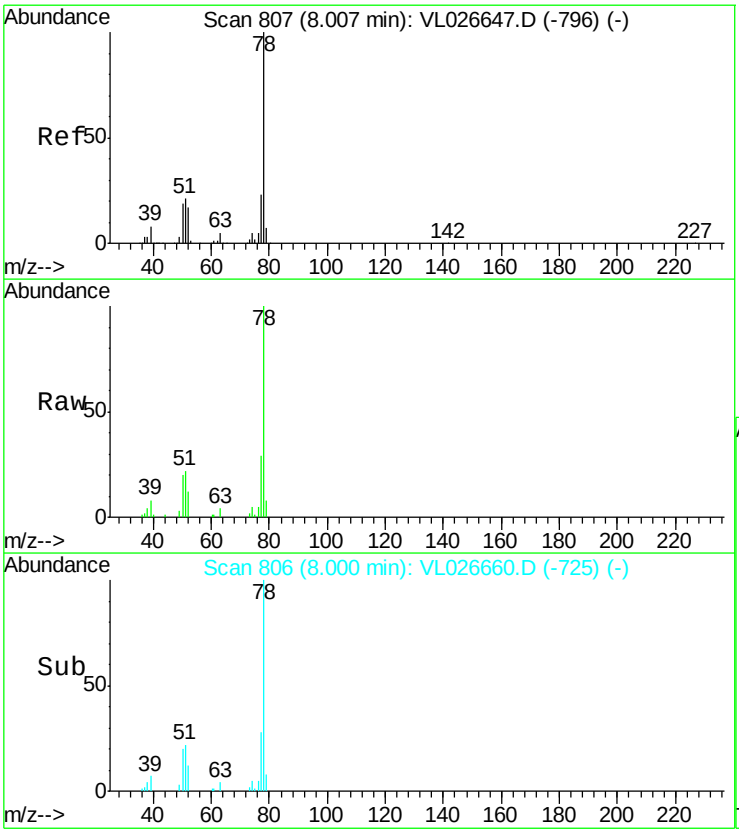
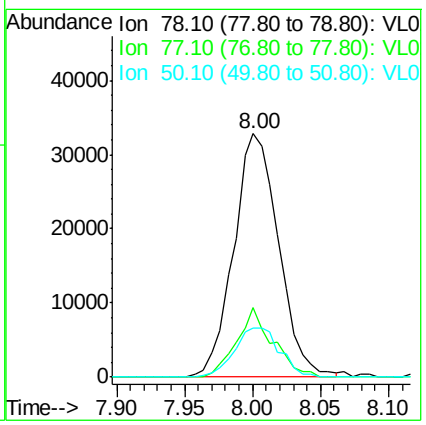
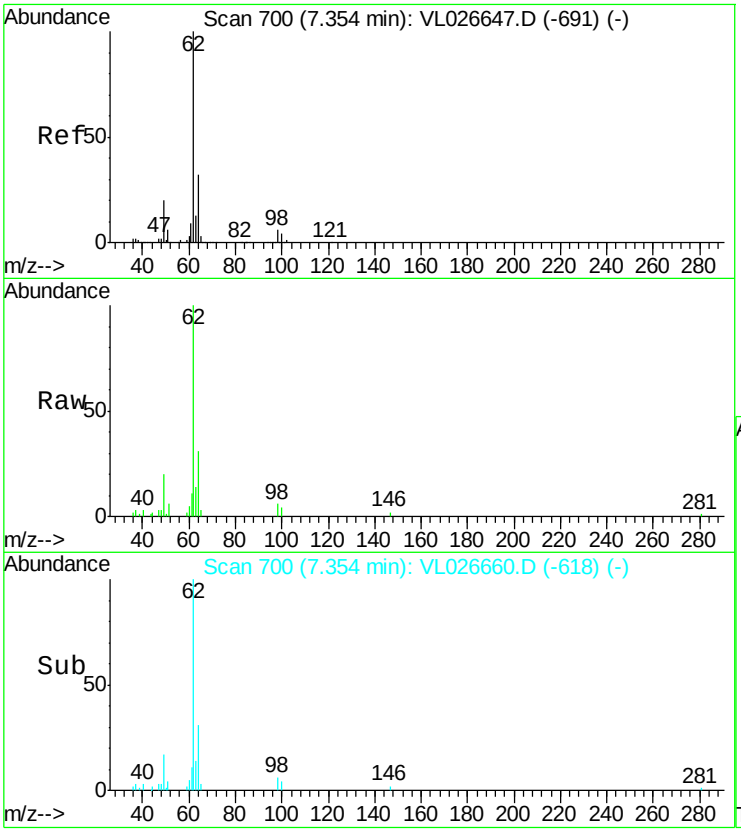


#36
Benzene
Concen: 0.34 ppbv
RT: 8.00 min Scan# 806
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 78 Resp: 75815

Ion	Ratio	Lower	Upper
78	100		
77	28.7	18.5	27.7#
50	20.0	15.4	23.2

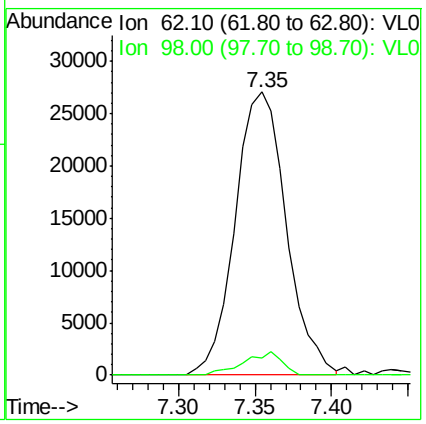




#37
1,2-Dichloroethane
Concen: 0.41 ppbv
RT: 7.35 min Scan# 700
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 62 Resp: 62875

Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.8	7.2



Instrument :
MSVOA_L
ClientSampleId :
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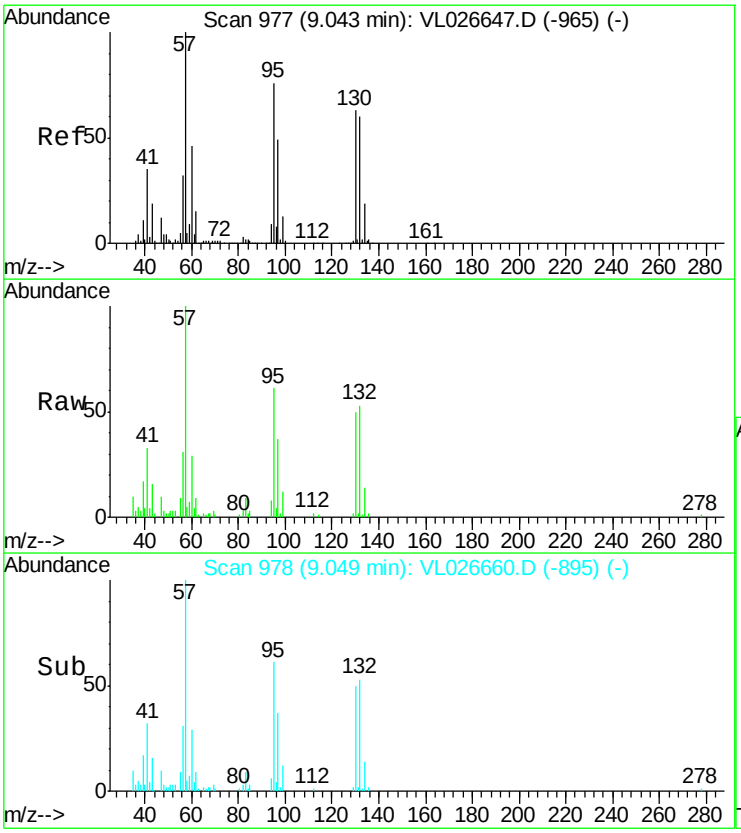
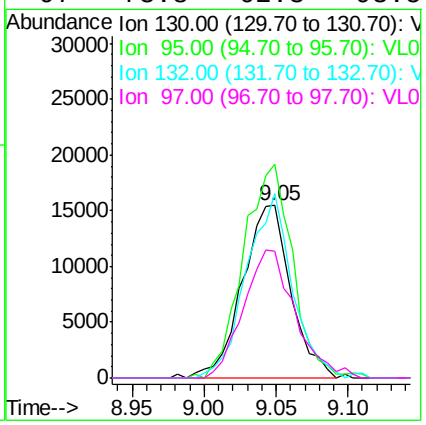
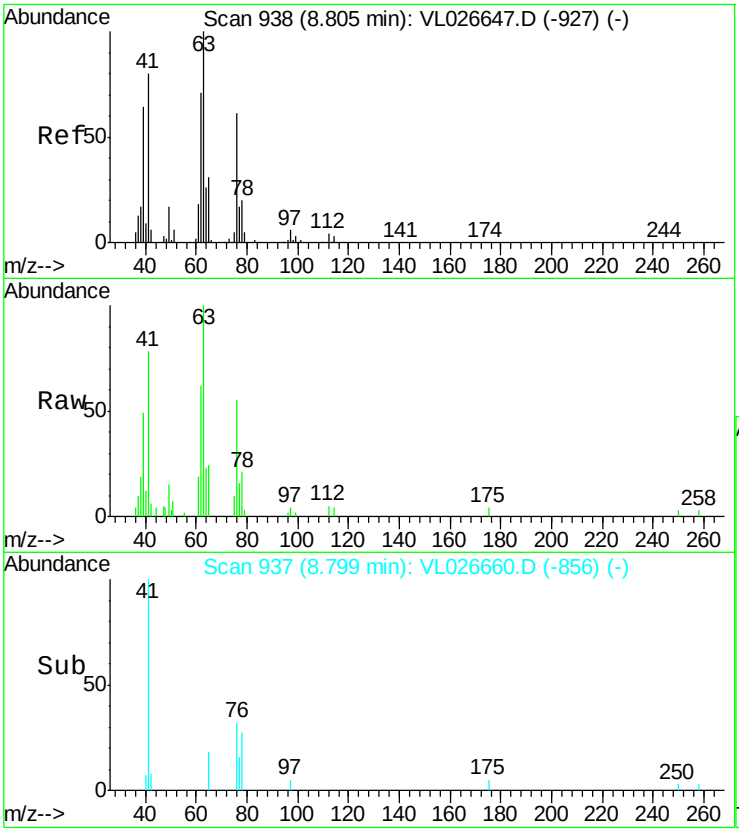


#38
Trichloroethene
Concen: 0.36 ppbv
RT: 9.05 min Scan# 978
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:130 Resp: 35952

Ion	Ratio	Lower	Upper
130	100		
95	123.9	96.6	145.0
132	106.9	76.2	114.4
97	73.8	62.3	93.5

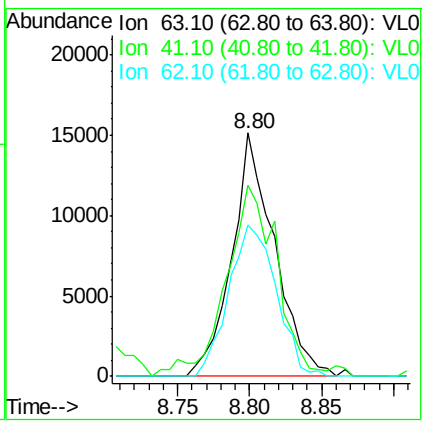




#39
1,2-Dichloropropane
Concen: 0.40 ppbv
RT: 8.80 min Scan# 937
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 63 Resp: 31188

Ion	Ratio	Lower	Upper
63	100		
41	73.9	64.1	96.1
62	62.1	56.6	84.8



Instrument :
MSVOA_L
ClientSampleId :
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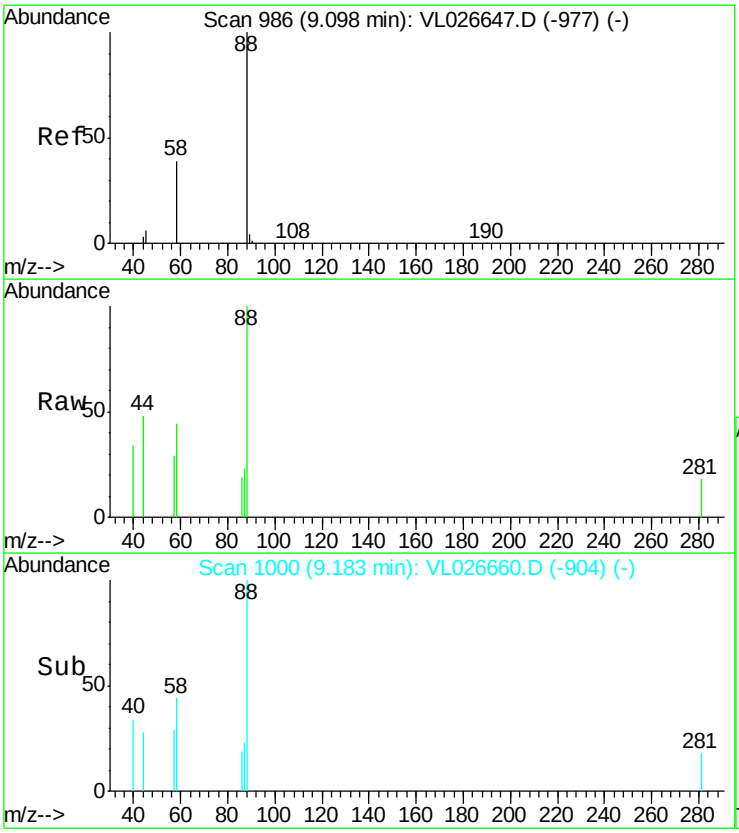
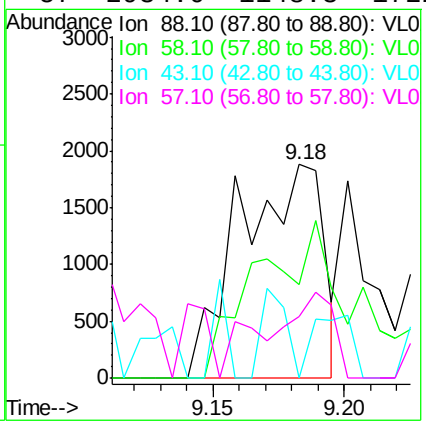
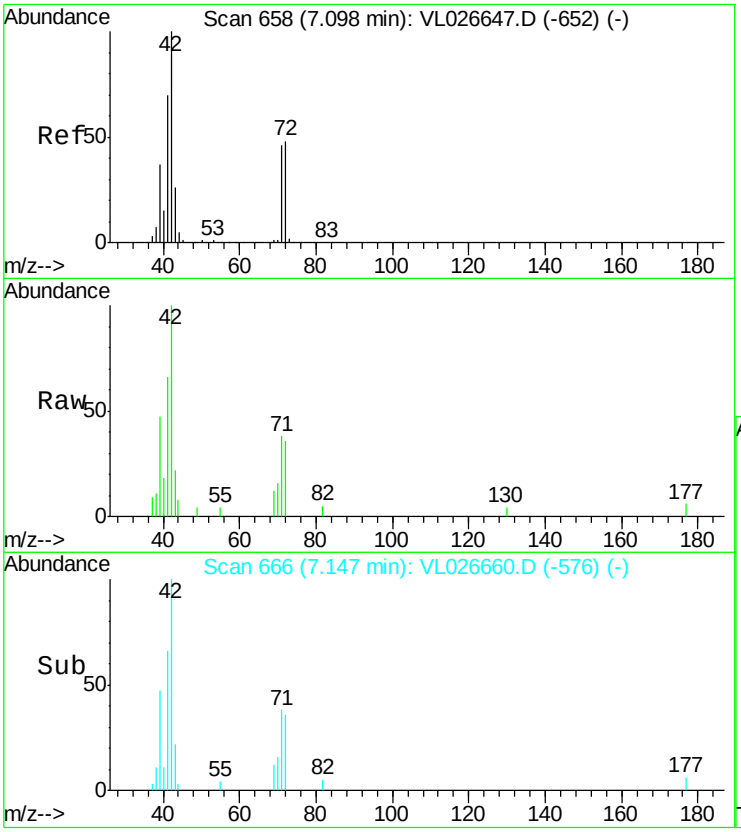


#40
1,4-Dioxane
Concen: 0.23 ppbv m
RT: 9.18 min Scan# 1000
Delta R.T. 0.09 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 88 Resp: 4162

Ion	Ratio	Lower	Upper
88	100		
58	147.9	109.4	164.2
43	509.5	238.2	357.2#
57	2934.0	1148.3	1722.5#

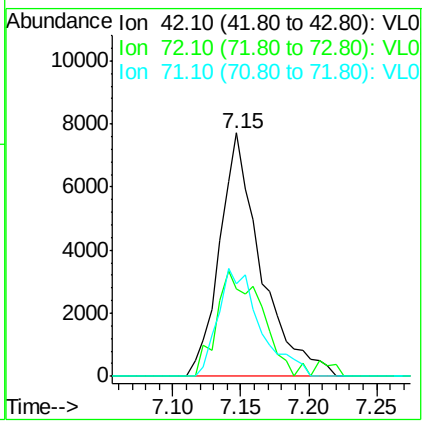




#41
Tetrahydrofuran
Concen: 0.28 ppbv
RT: 7.15 min Scan# 666
Delta R.T. 0.05 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 42 Resp: 16328

Ion	Ratio	Lower	Upper
42	100		
72	50.0	40.6	60.8
71	44.7	38.4	57.6



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

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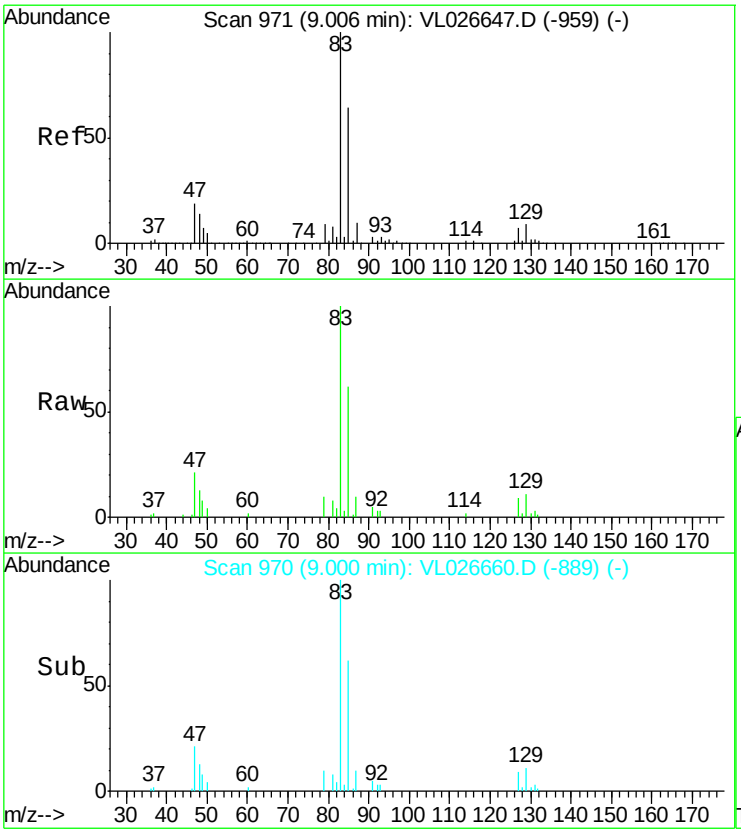
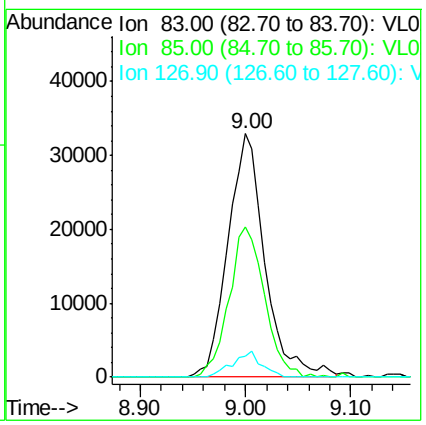
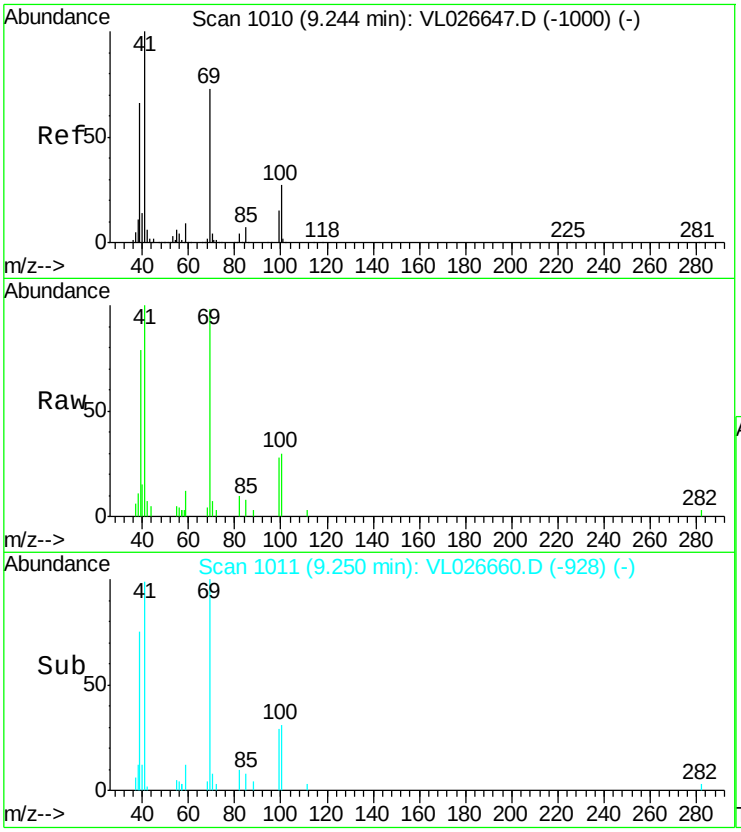


#42
Bromodichloromethane
Concen: 0.41 ppbv m
RT: 9.00 min Scan# 970
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 83 Resp: 80406

Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.9	76.3
127	8.5	5.5	8.3#

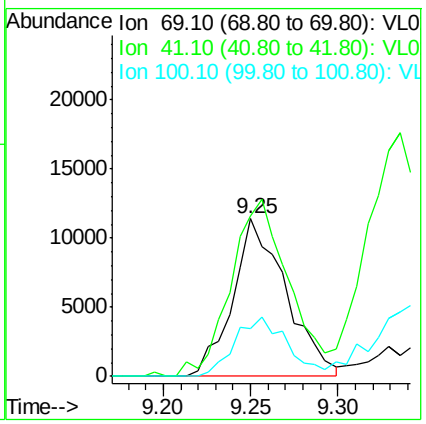




#43
Methyl Methacrylate
Concen: 0.30 ppbv
RT: 9.25 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 69 Resp: 24219

Ion	Ratio	Lower	Upper
69	100		
41	119.3	106.1	159.1
100	36.4	29.0	43.4



Instrument :
MSVOA_L
ClientSampleId :
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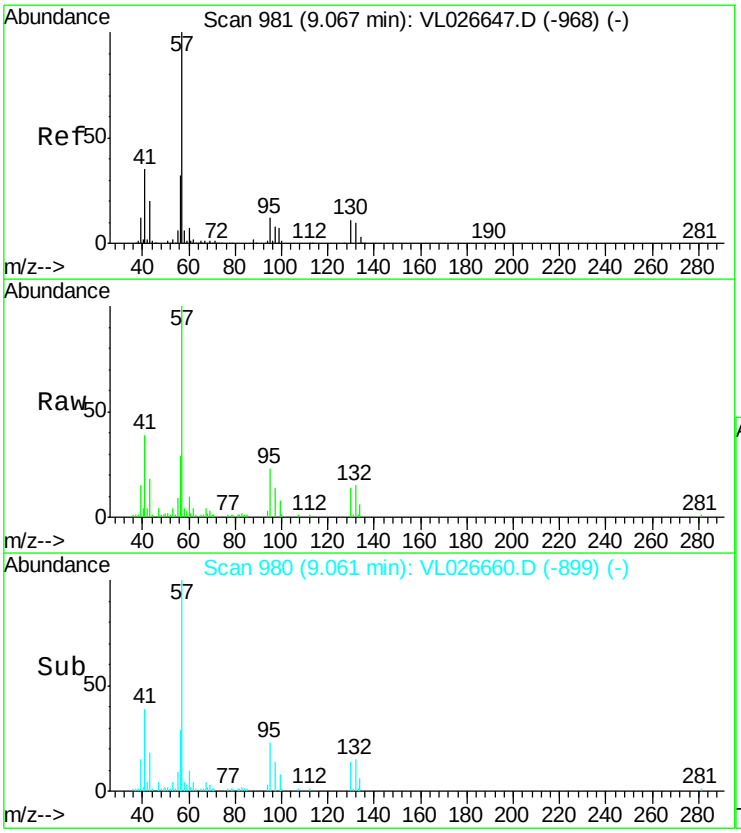
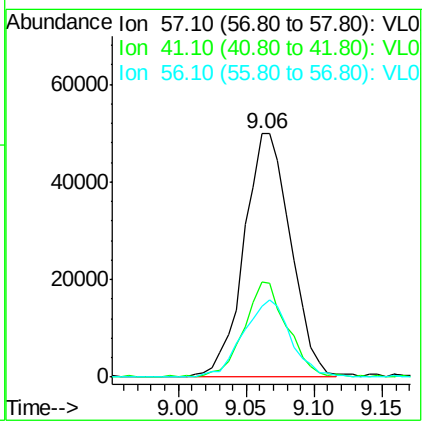
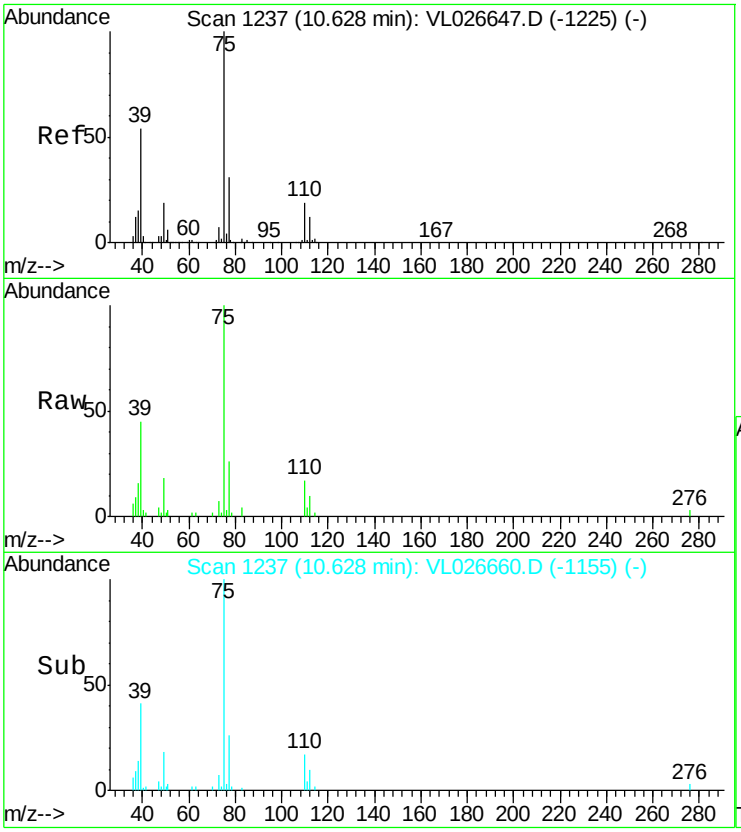


#44
2,2,4-Trimethylpentane
Concen: 0.33 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 57 Resp: 119761

Ion	Ratio	Lower	Upper
57	100		
41	36.2	26.9	40.3
56	32.2	25.4	38.0





#45
t-1,3-Dichloropropene
Concen: 0.28 ppbv m
RT: 10.63 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 75 Resp: 37592

Ion	Ratio	Lower	Upper
75	100		
77	25.6	24.6	37.0

Instrument :
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ClientSampleId :
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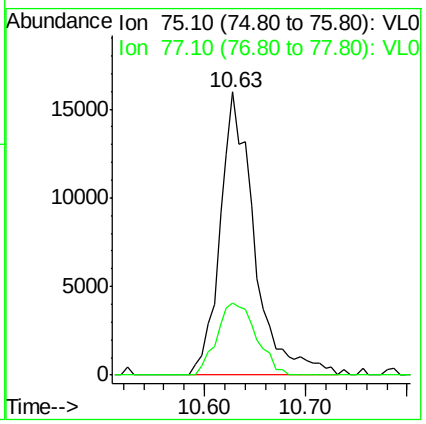
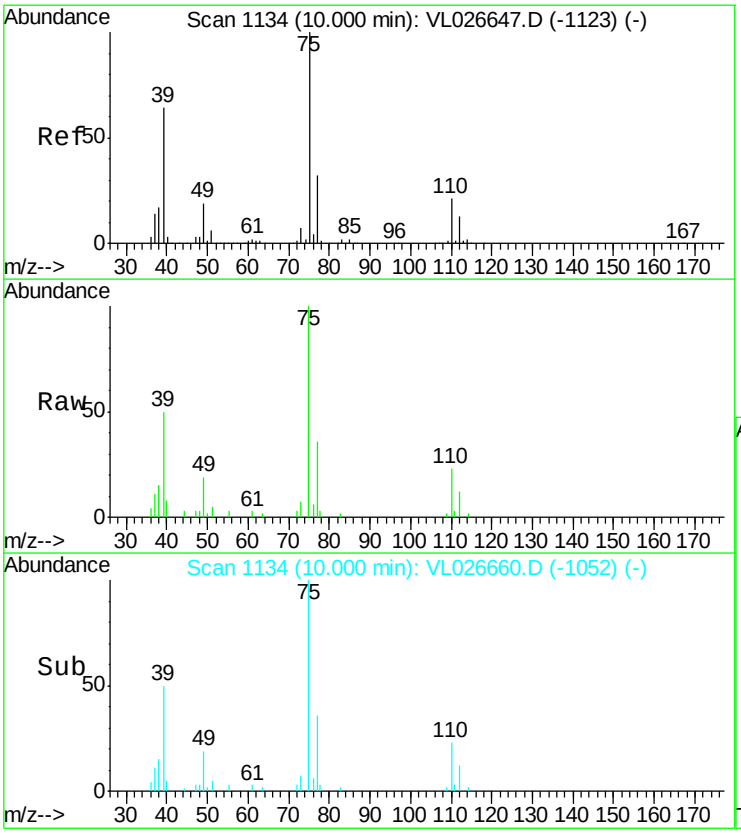
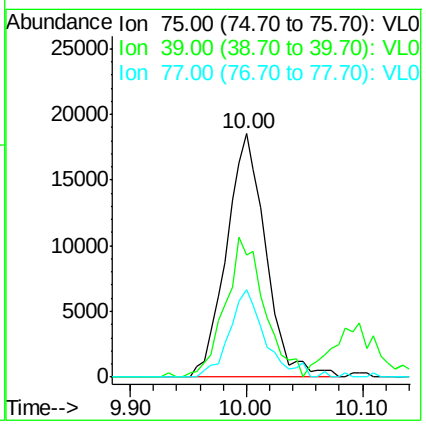


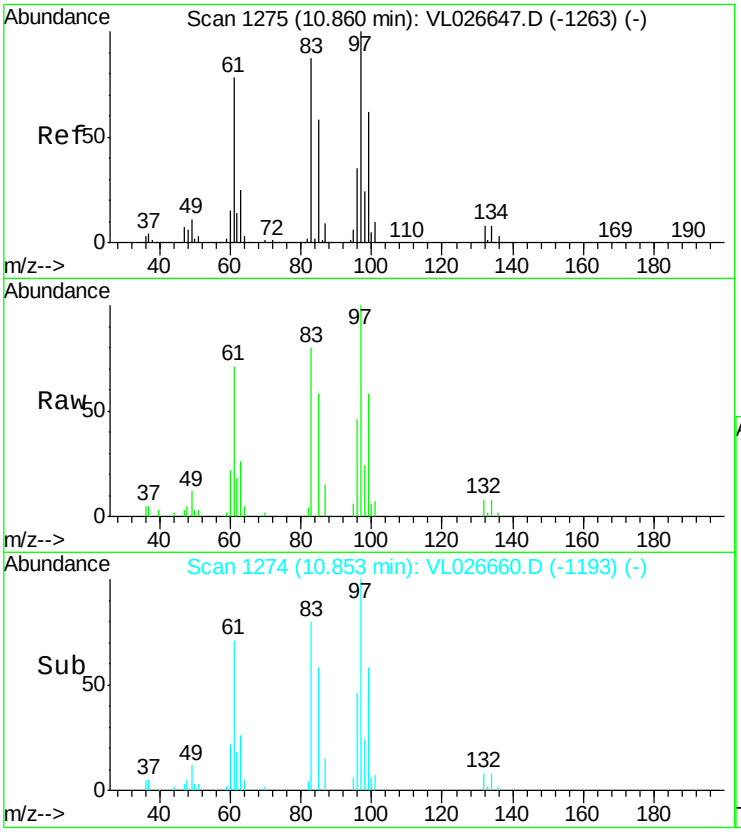


#46
cis-1,3-Dichloropropene
Concen: 0.29 ppbv m
RT: 10.00 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 75 Resp: 43717

Ion	Ratio	Lower	Upper
75	100		
39	50.0	51.2	76.8#
77	35.9	25.9	38.9

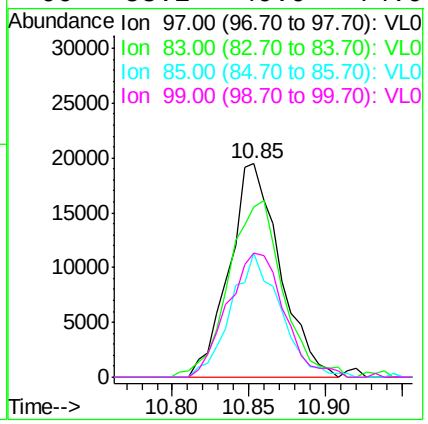




#47
1,1,2-Trichloroethane
Concen: 0.41 ppbv
RT: 10.85 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 97 Resp: 44944

Ion	Ratio	Lower	Upper
97	100		
83	76.7	69.5	104.3
85	58.2	46.4	69.6
99	58.2	49.9	74.9



Instrument :
MSVOA_L
ClientSampleId :
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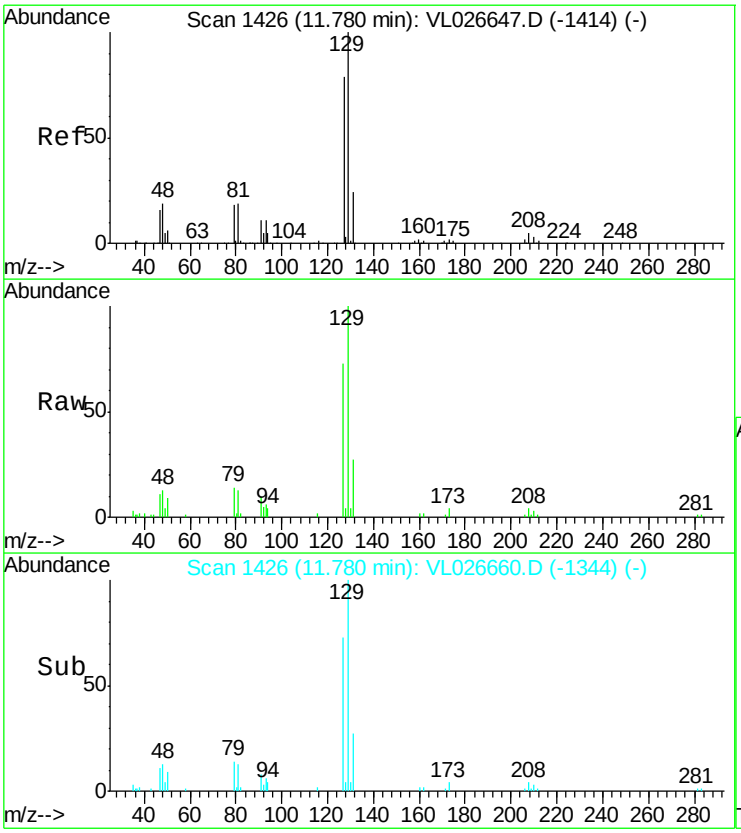
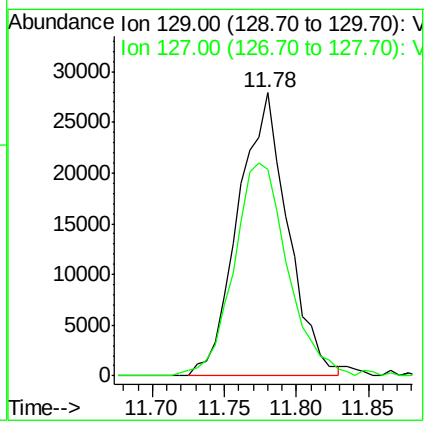
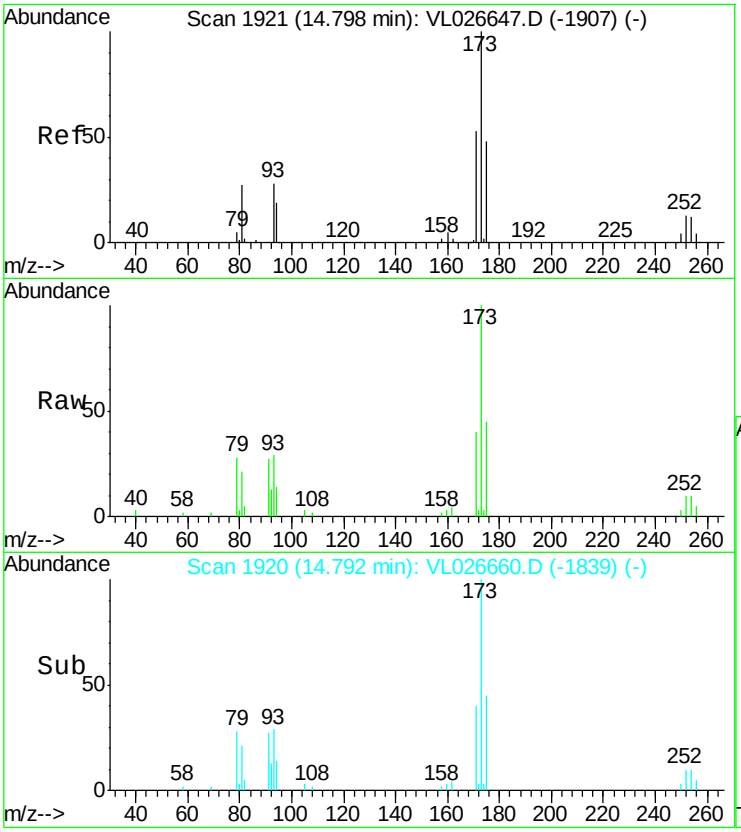


#48
Dibromochloromethane
Concen: 0.40 ppbv
RT: 11.78 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:129 Resp: 66972

Ion	Ratio	Lower	Upper
129	100		
127	81.6	39.5	118.5

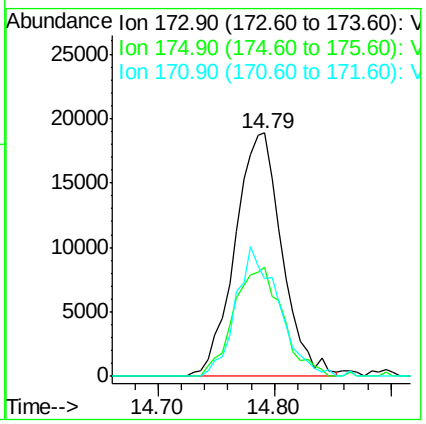




#49
Bromoform
Concen: 0.39 ppbv
RT: 14.79 min Scan# 1920
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:173 Resp: 52992

Ion	Ratio	Lower	Upper
173	100		
175	46.9	38.6	58.0
171	48.8	41.5	62.3



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

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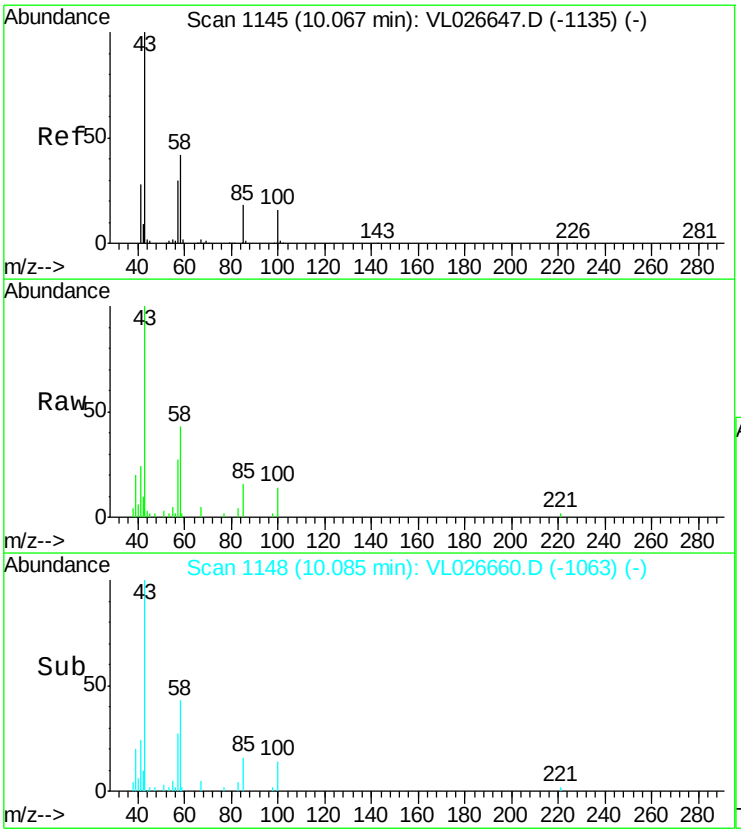
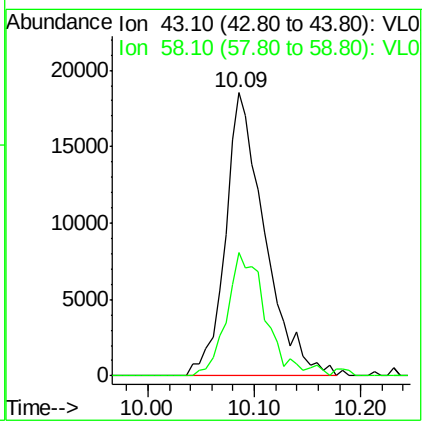
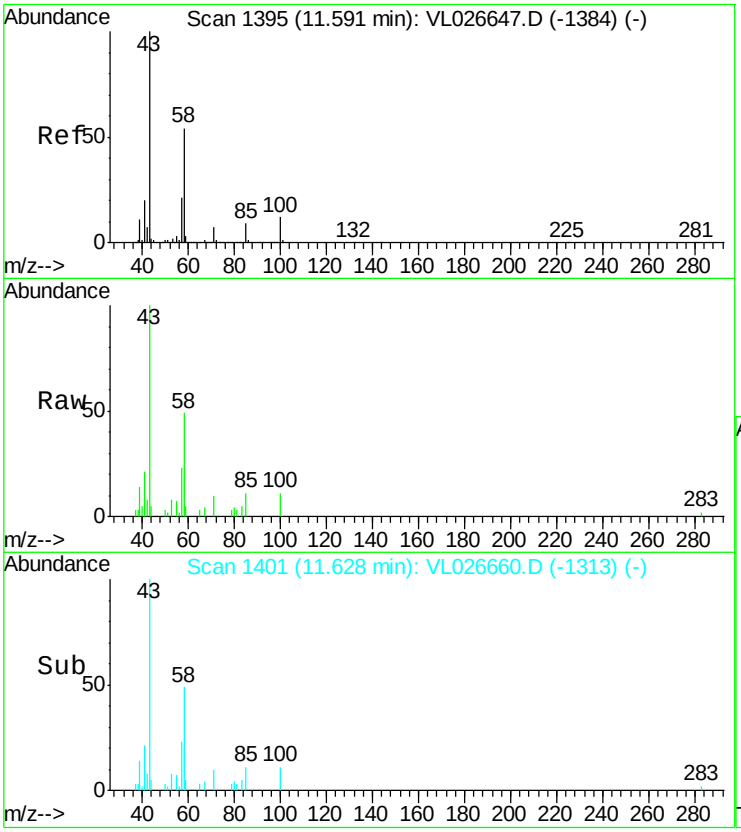


#50
4-Methyl-2-Pentanone
Concen: 0.29 ppbv
RT: 10.09 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 43 Resp: 48033

Ion	Ratio	Lower	Upper
43	100		
58	44.1	32.4	48.6





#51
2-Hexanone
Concen: 0.27 ppbv m
RT: 11.63 min Scan# 1401
Delta R.T. 0.04 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 43 Resp: 40599

Ion	Ratio	Lower	Upper
43	100		
58	50.7	44.9	67.3
98	0.0	0.2	0.2#

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

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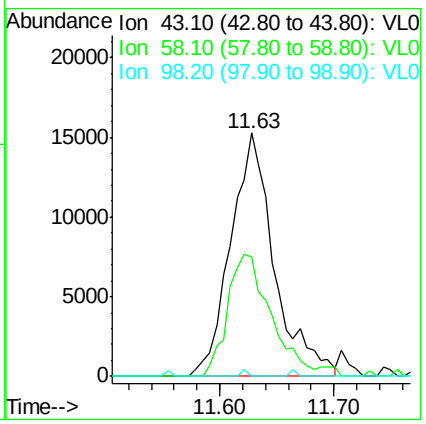
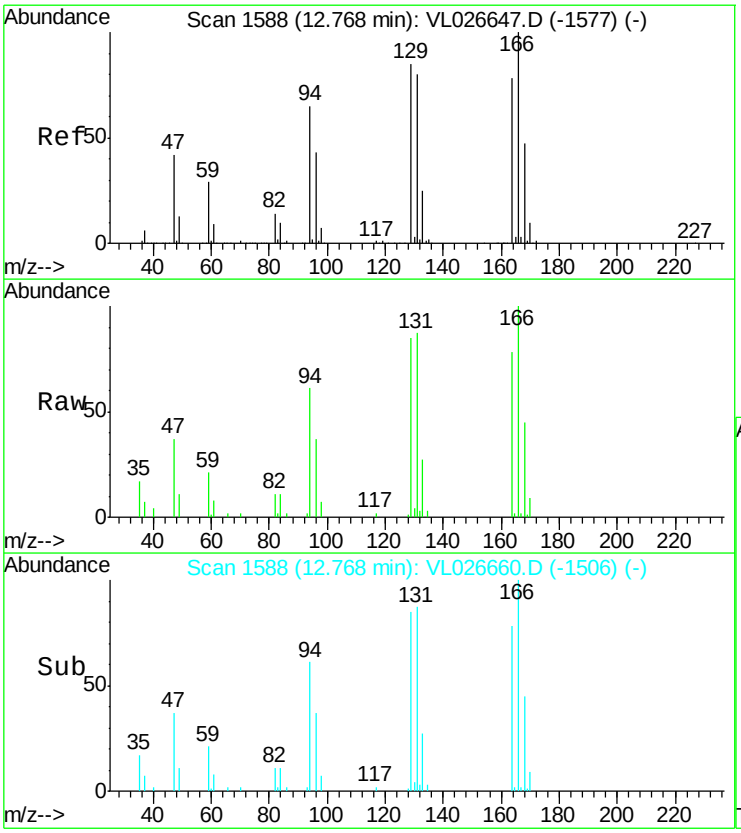
1/14/2016 10:51:16 AM

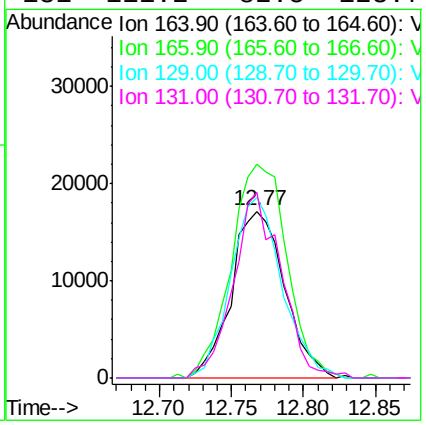


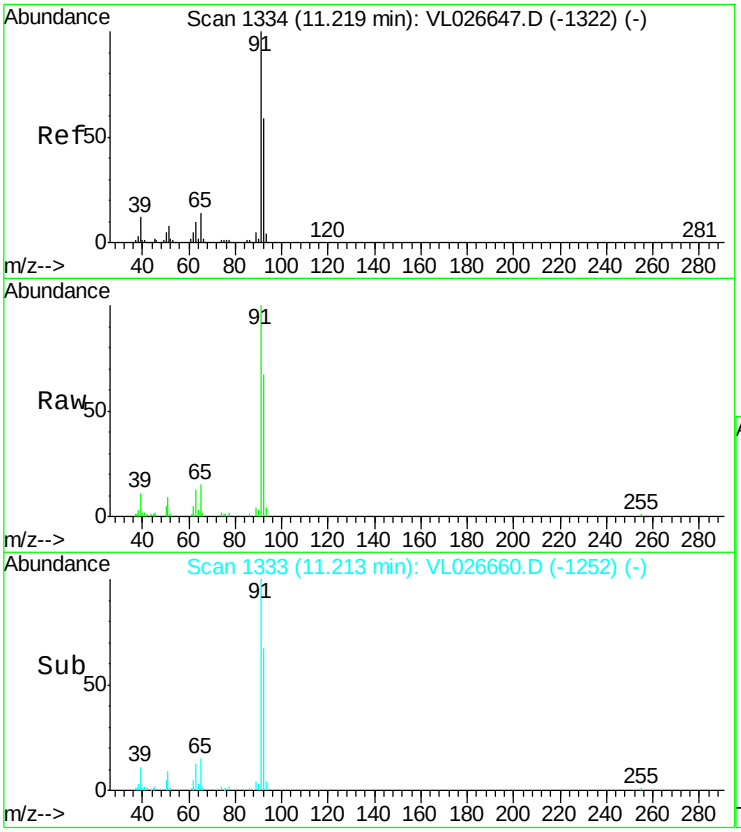


#52
Tetrachloroethene
Concen: 0.39 ppbv
RT: 12.77 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:164 Resp: 44180

Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.5	153.7
129	108.6	87.0	130.6
131	111.2	82.5	123.7





#53
Toluene
Concen: 0.30 ppbv
RT: 11.21 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 91 Resp: 96036

Ion	Ratio	Lower	Upper
91	100		
92	62.1	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
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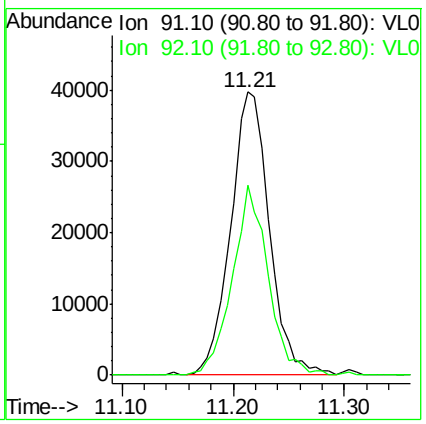
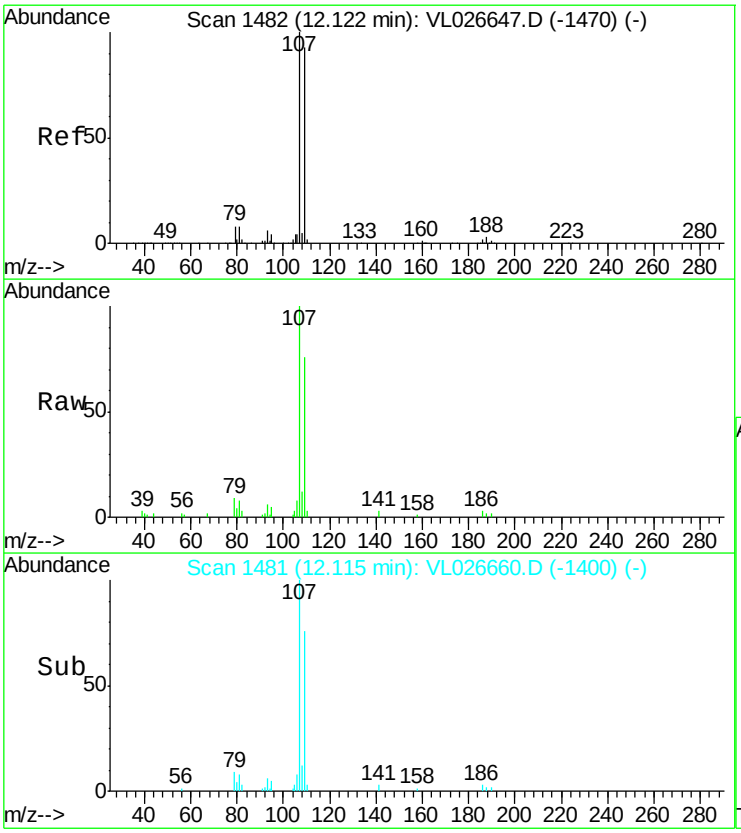
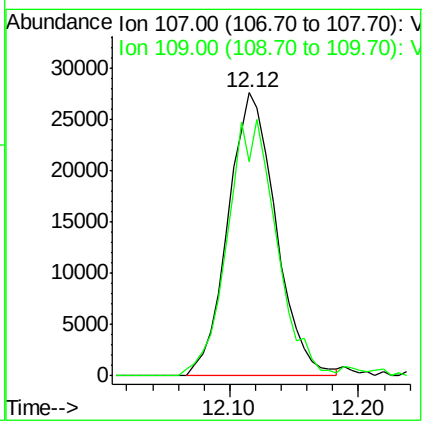


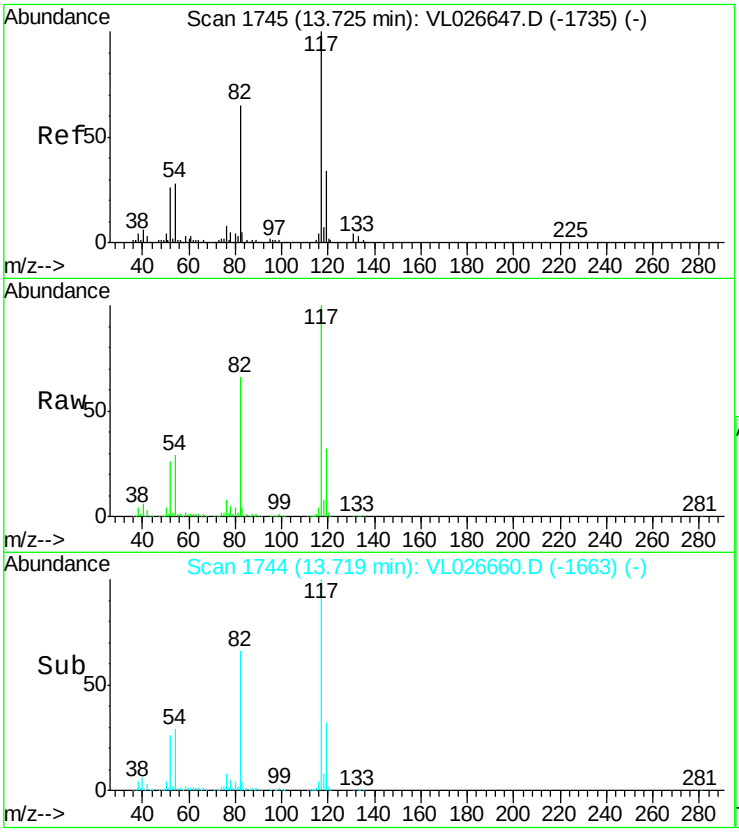


#54
1,2-Dibromoethane
Concen: 0.41 ppbv
RT: 12.12 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:107 Resp: 71150

Ion	Ratio	Lower	Upper
107	100		
109	74.5	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: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:117 Resp: 2952696

Ion	Ratio	Lower	Upper
117	100		
82	65.1	49.7	74.5
119	33.0	43.8	65.8#

Instrument :
MSVOA_L
ClientSampleId :
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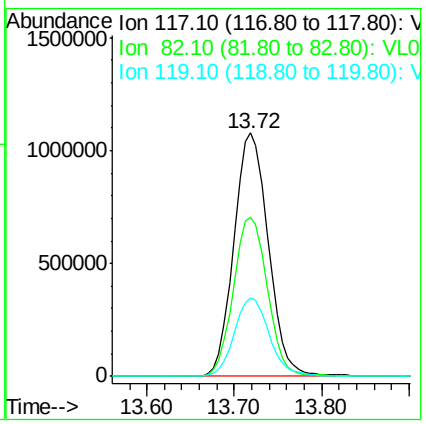
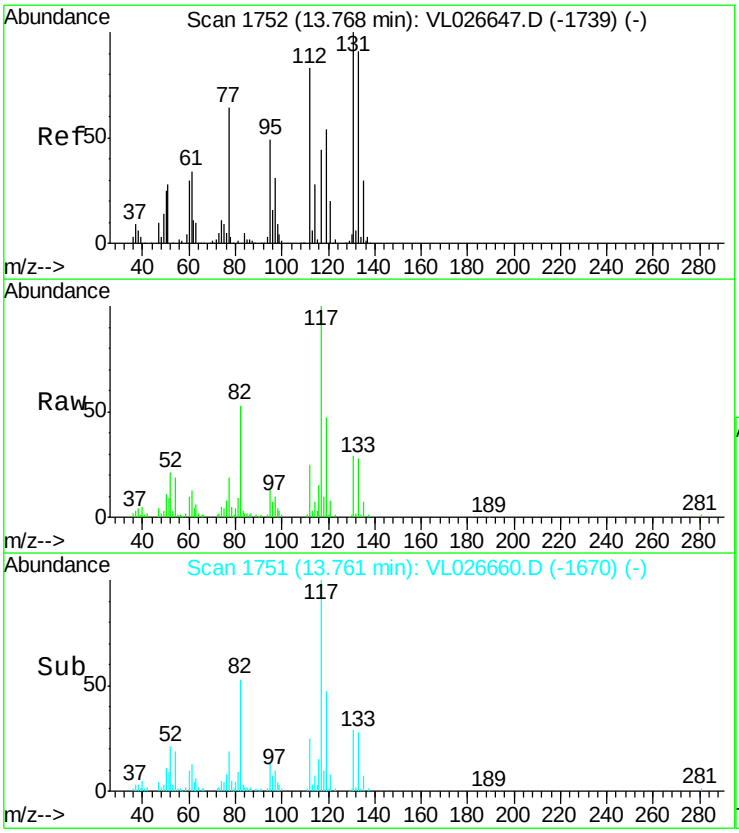
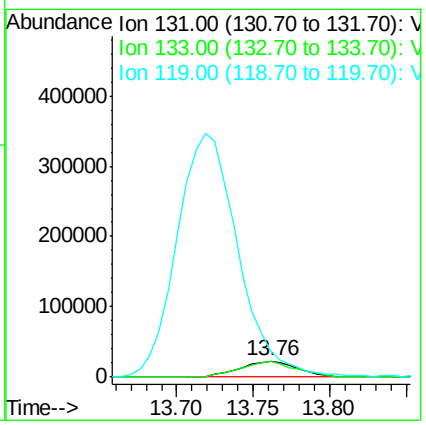


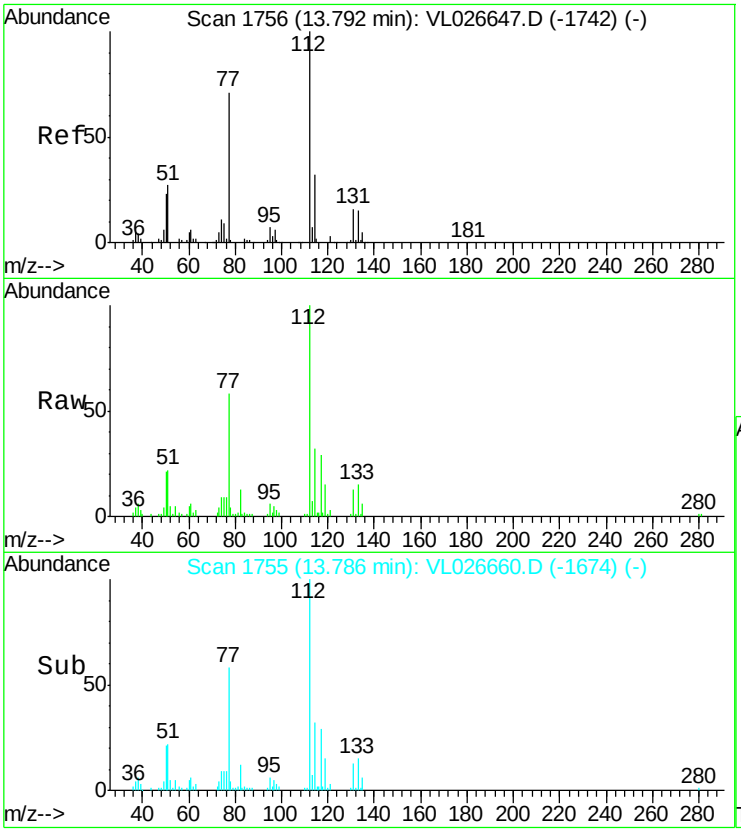


#56
1,1,1,2-Tetrachloroethane
Concen: 0.43 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:131 Resp: 58577

Ion	Ratio	Lower	Upper
131	100		
133	97.4	76.2	114.4
119	1657.6	104.3	156.5#

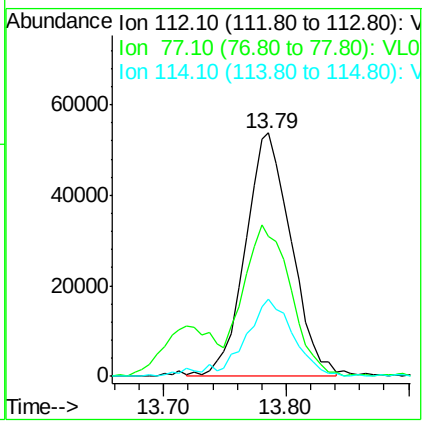




#57
Chlorobenzene
Concen: 0.46 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:112 Resp: 139959

Ion	Ratio	Lower	Upper
112	100		
77	56.1	56.9	85.3#
114	30.6	28.8	35.2



Instrument :
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ClientSampleId :
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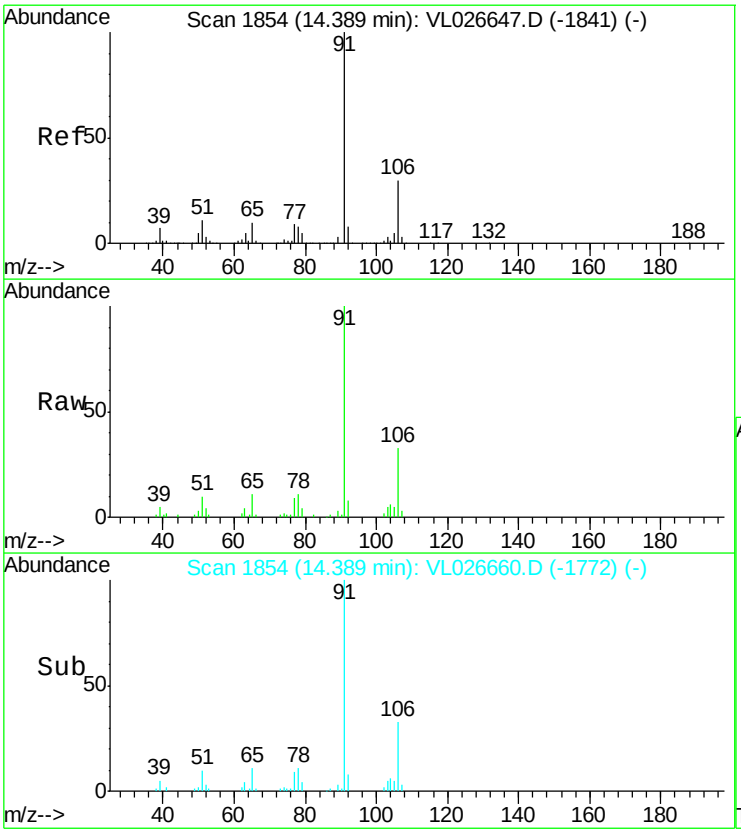
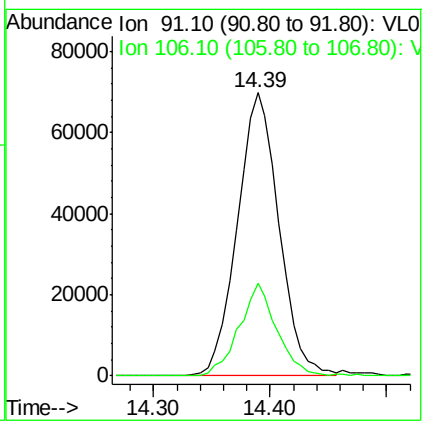
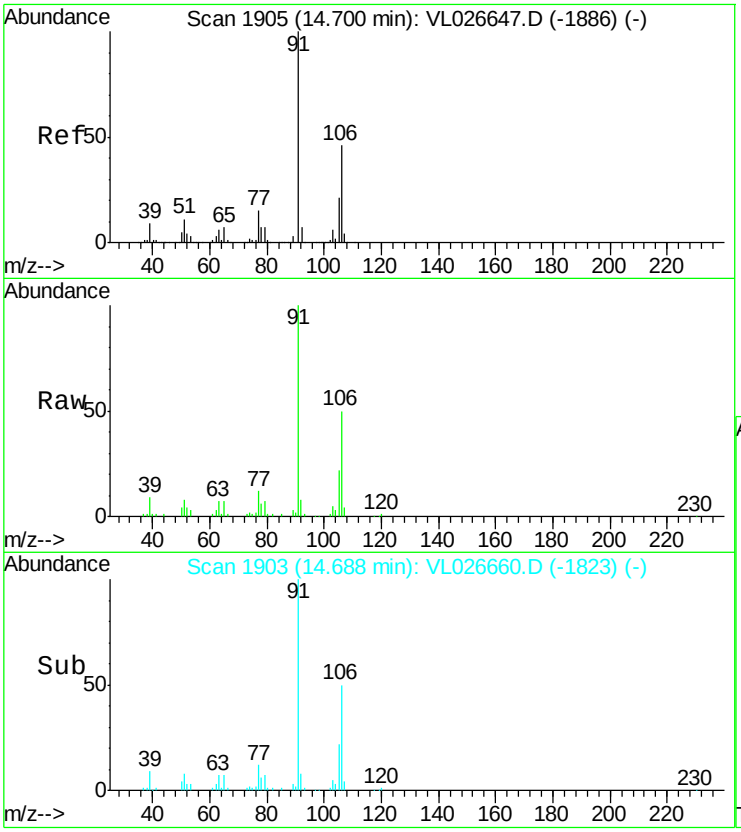


#58
Ethyl Benzene
Concen: 0.33 ppbv
RT: 14.39 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 91 Resp: 173064

Ion	Ratio	Lower	Upper
91	100		
106	32.7	23.8	35.6

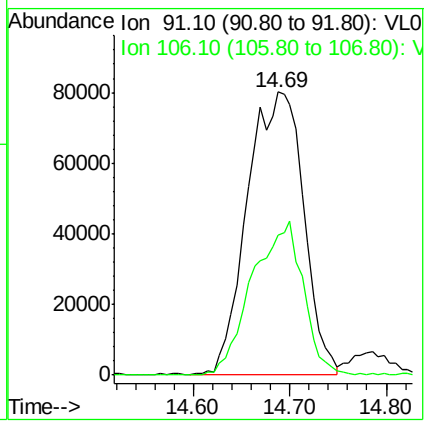




#59
m/p-Xylene
Concen: 0.75 ppbv m
RT: 14.69 min Scan# 1903
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 91 Resp: 324277

Ion	Ratio	Lower	Upper
91	100		
106	49.1	36.6	55.0



Instrument :
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ClientSampleId :
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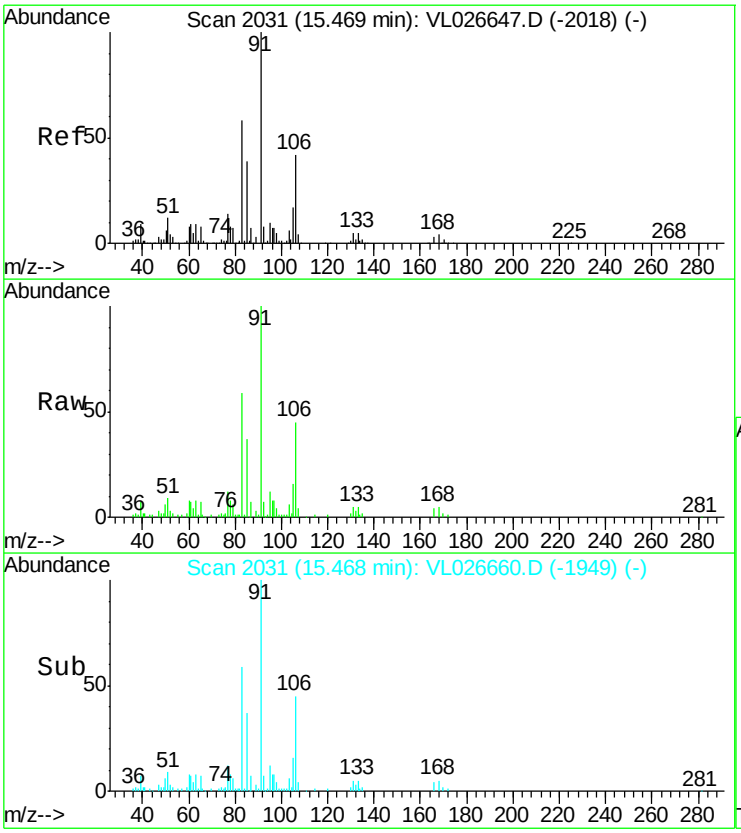
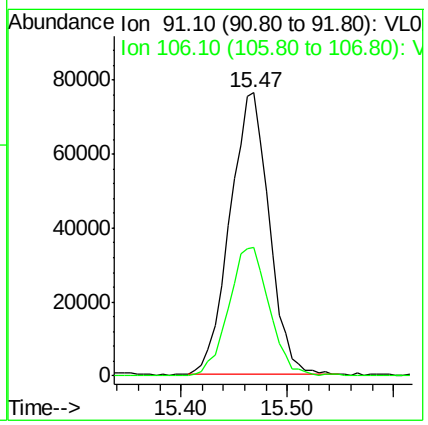
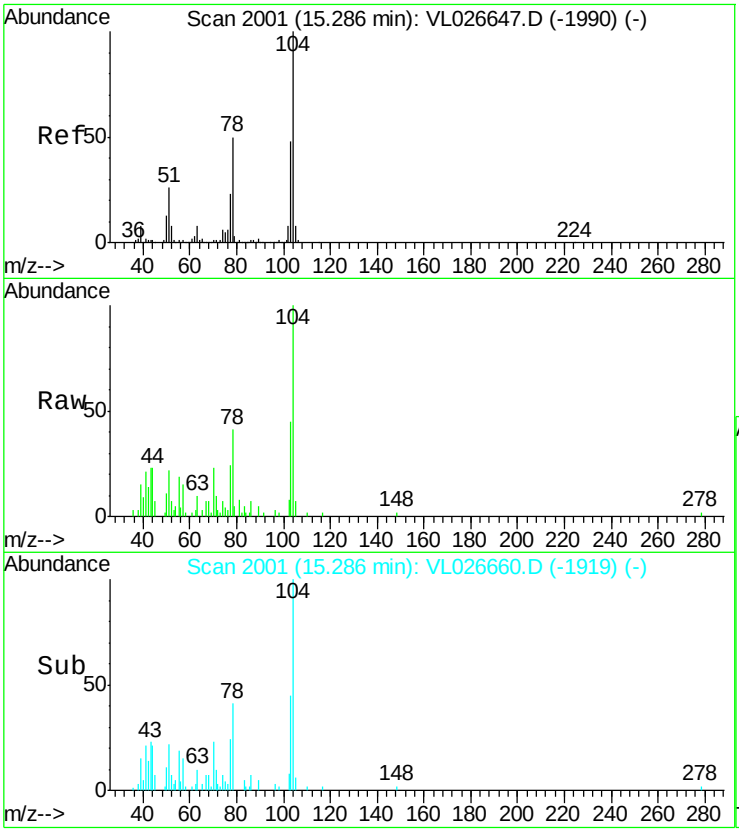


#60
o-Xylene
Concen: 0.42 ppbv
RT: 15.47 min Scan# 2031
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 91 Resp: 196539

Ion	Ratio	Lower	Upper
91	100		
106	47.4	21.5	64.5

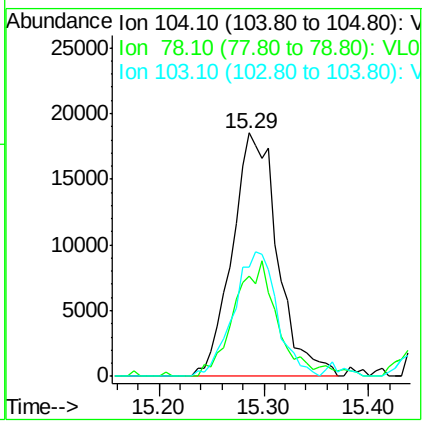




#61
Stvrene
Concen: 0.30 ppbv m
RT: 15.29 min Scan# 2001
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:104 Resp: 55761

Ion	Ratio	Lower	Upper
104	100		
78	0.0	39.6	59.4#
103	50.9	37.8	56.6



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

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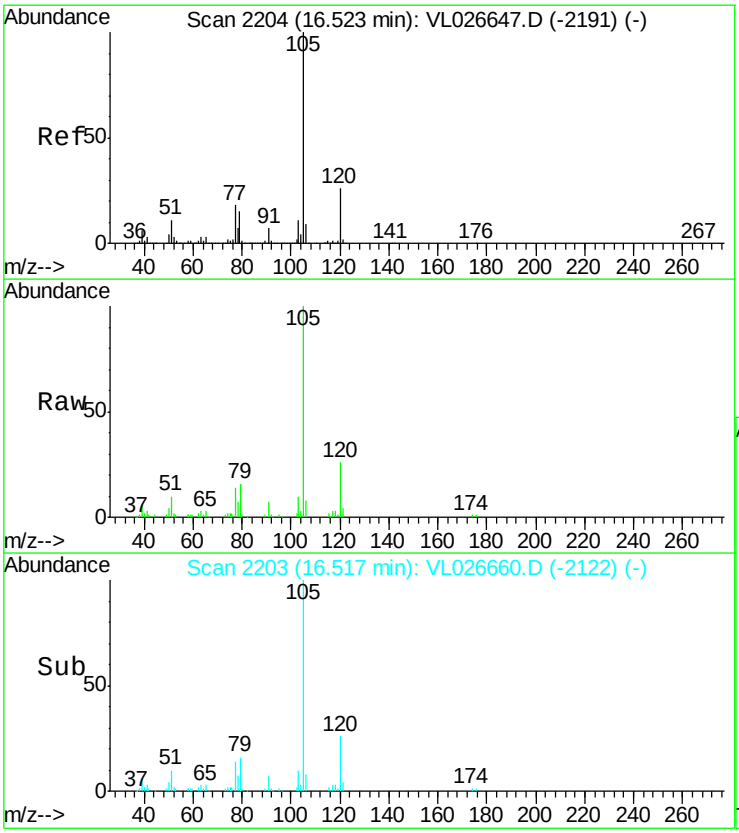
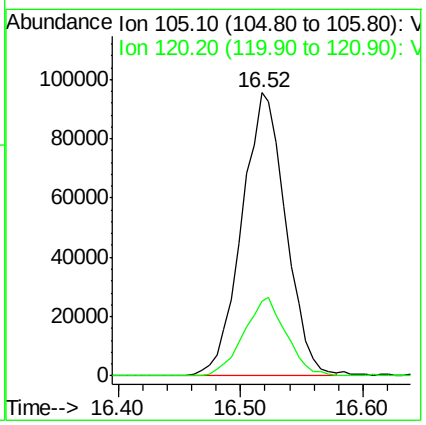
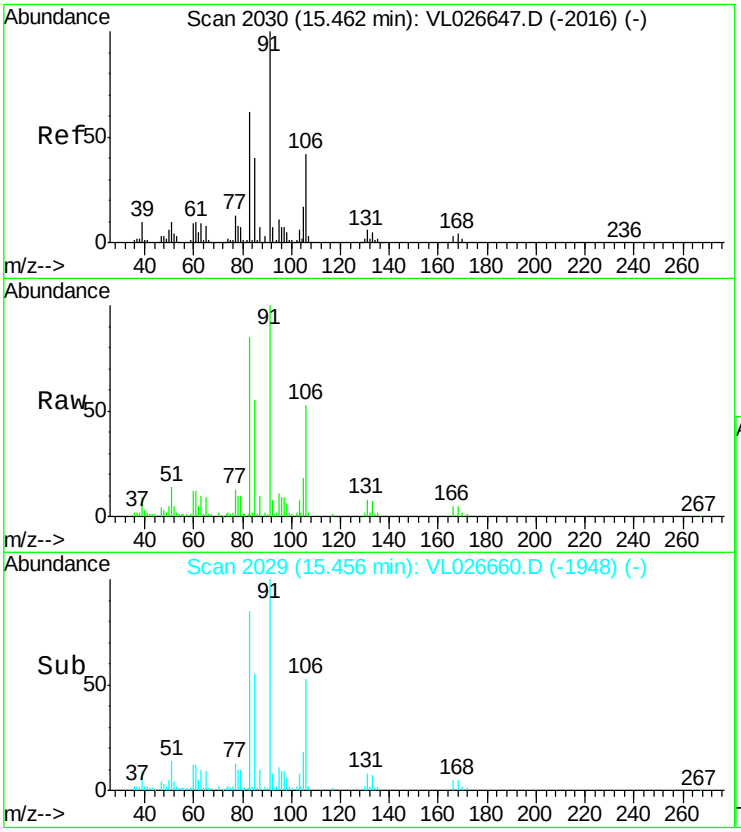


#62
Isopropylbenzene
Concen: 0.38 ppbv
RT: 16.52 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:105 Resp: 238599

Ion	Ratio	Lower	Upper
105	100		
120	27.0	20.3	30.5

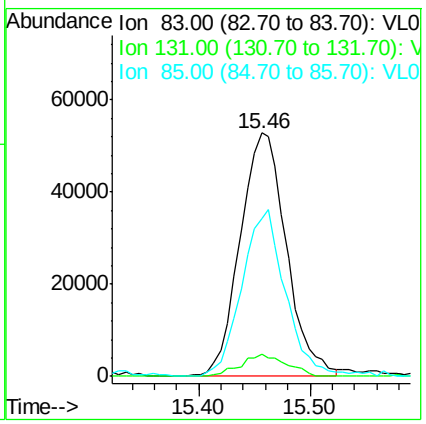




#63
1,1,2,2-Tetrachloroethane
Concen: 0.44 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 83 Resp: 152734

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	65.3	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

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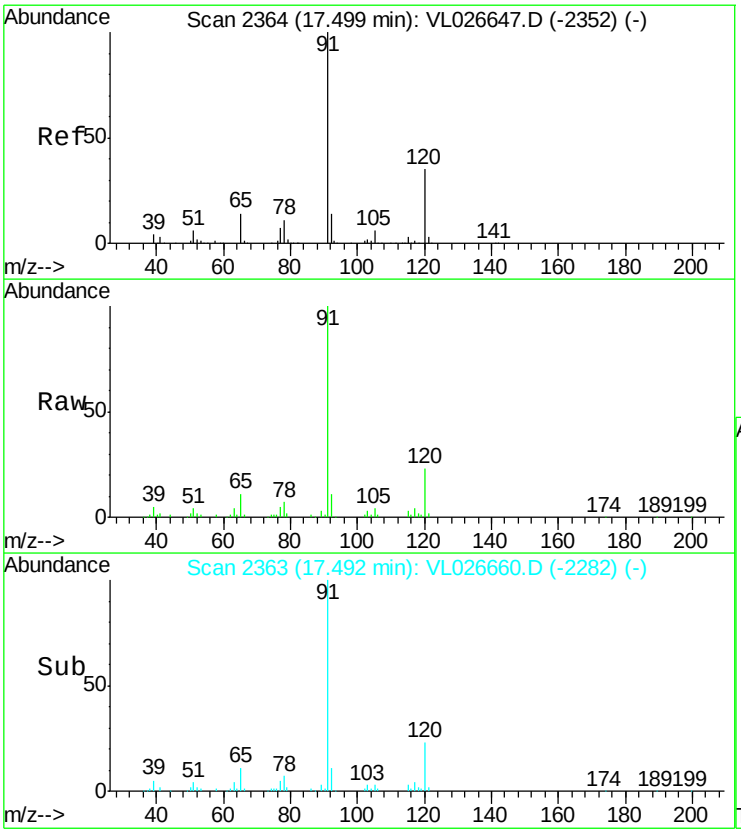
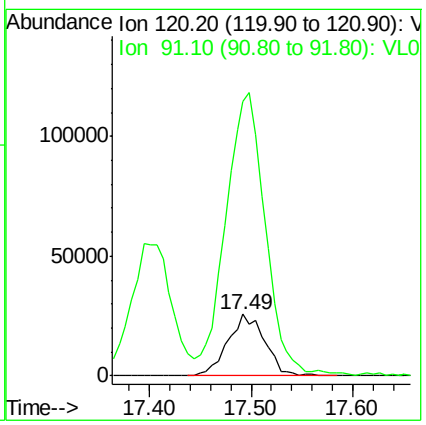
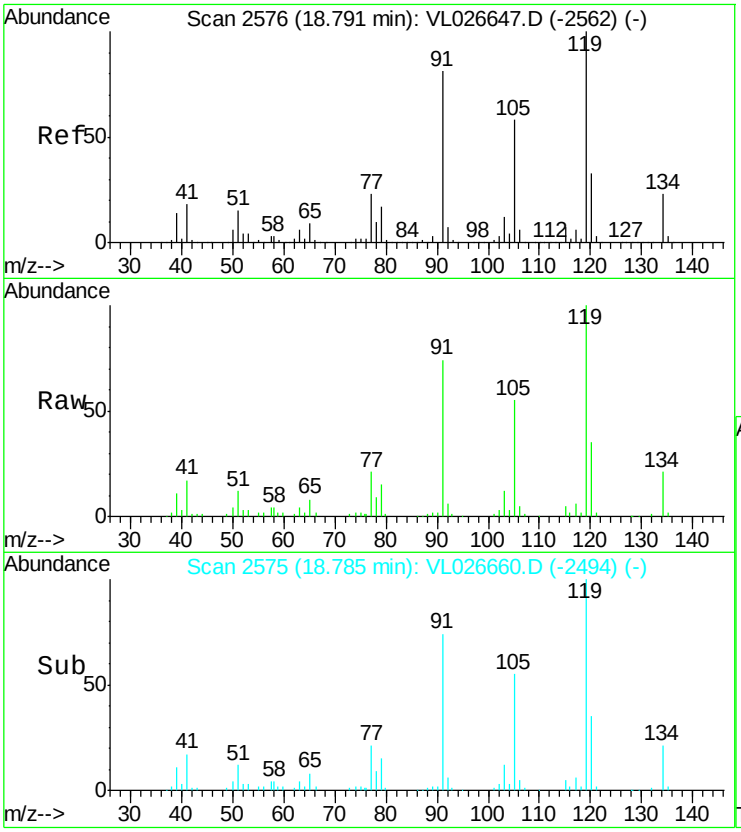


#64
n-propylbenzene
Concen: 0.39 ppbv m
RT: 17.49 min Scan# 2363
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:120 Resp: 65054

Ion	Ratio	Lower	Upper
120	100		
91	488.3	375.8	563.6

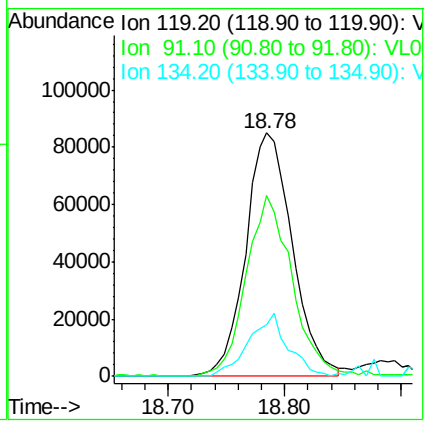




#65
tert-Butylbenzene
Concen: 0.41 ppbv
RT: 18.78 min Scan# 2575
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:119 Resp: 235124

Ion	Ratio	Lower	Upper
119	100		
91	74.5	64.8	97.2
134	22.9	17.4	26.0



Instrument :
MSVOA_L
ClientSampleId :
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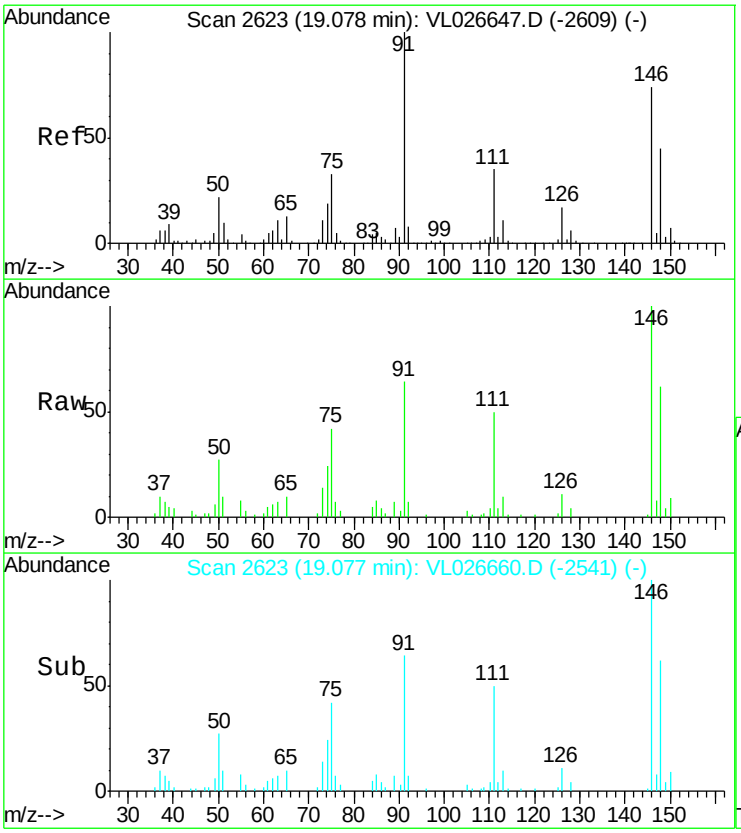
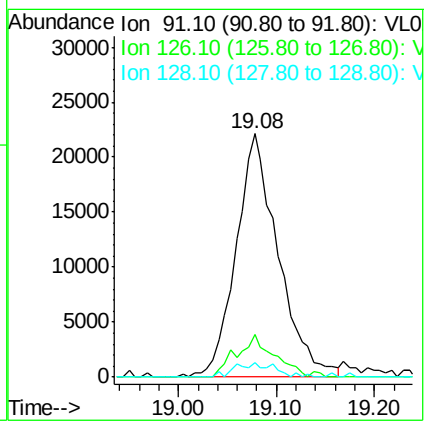
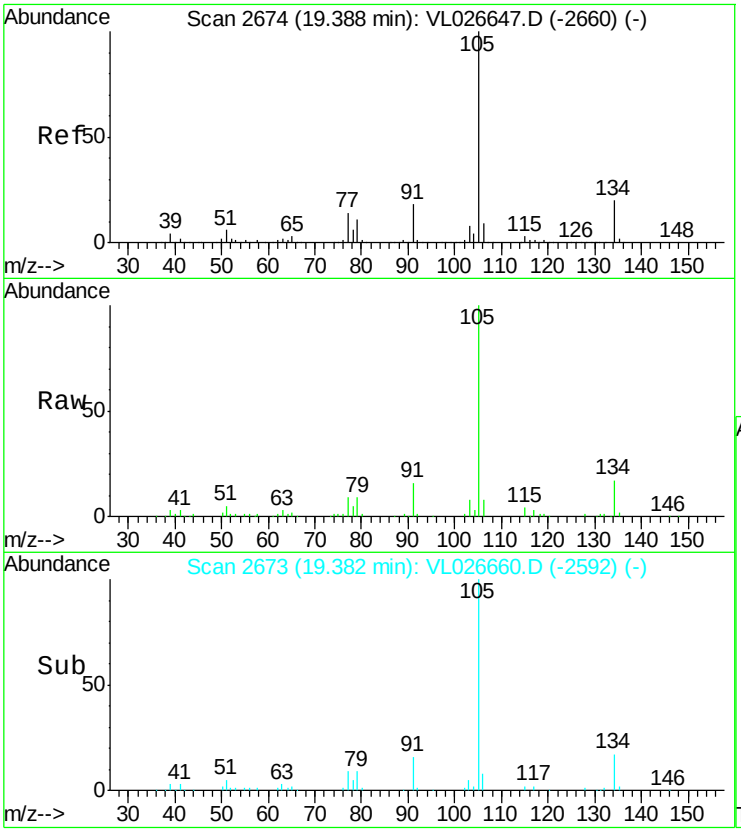


#66
Benzyl Chloride
Concen: 0.33 ppbv
RT: 19.08 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 91 Resp: 66212

Ion	Ratio	Lower	Upper
91	100		
126	15.9	14.2	21.2
128	5.5	4.5	6.7





#67
sec-Butylbenzene
Concen: 0.41 ppbv
RT: 19.38 min Scan# 2673
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:105 Resp: 345919

Ion	Ratio	Lower	Upper
105	100		
134	16.9	14.9	22.3

Instrument :
MSVOA_L
ClientSampleId :
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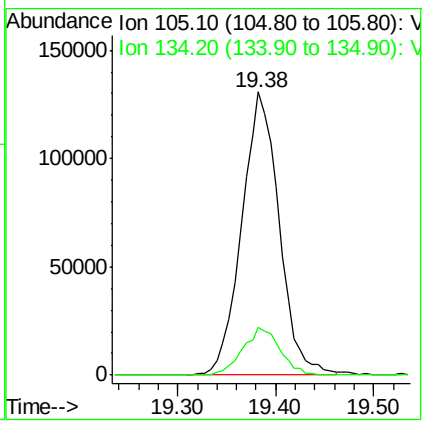
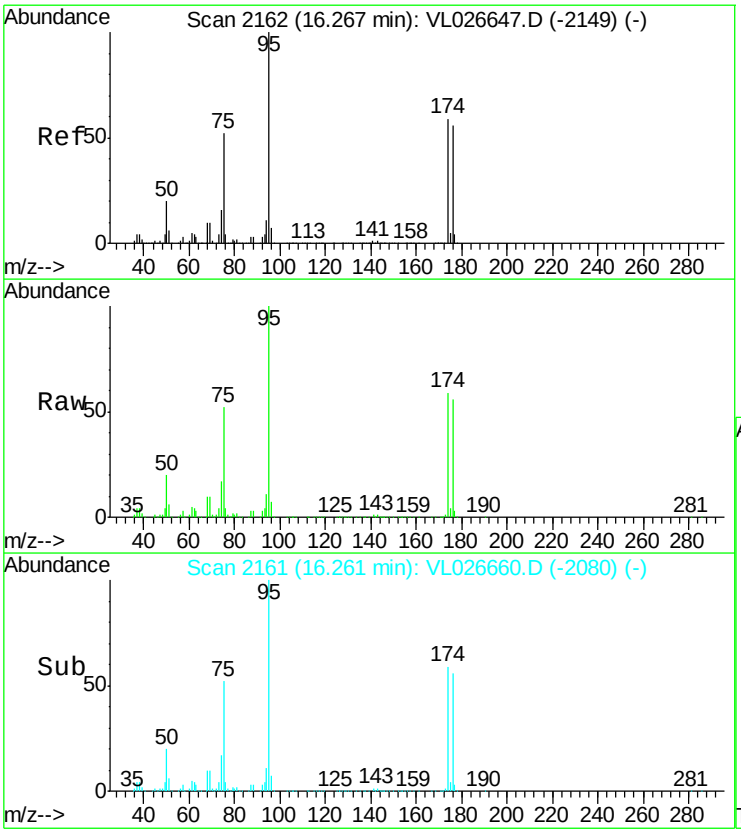
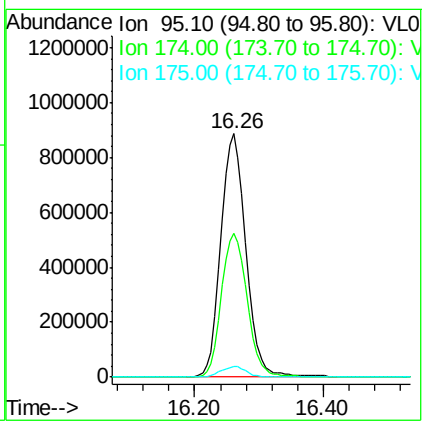


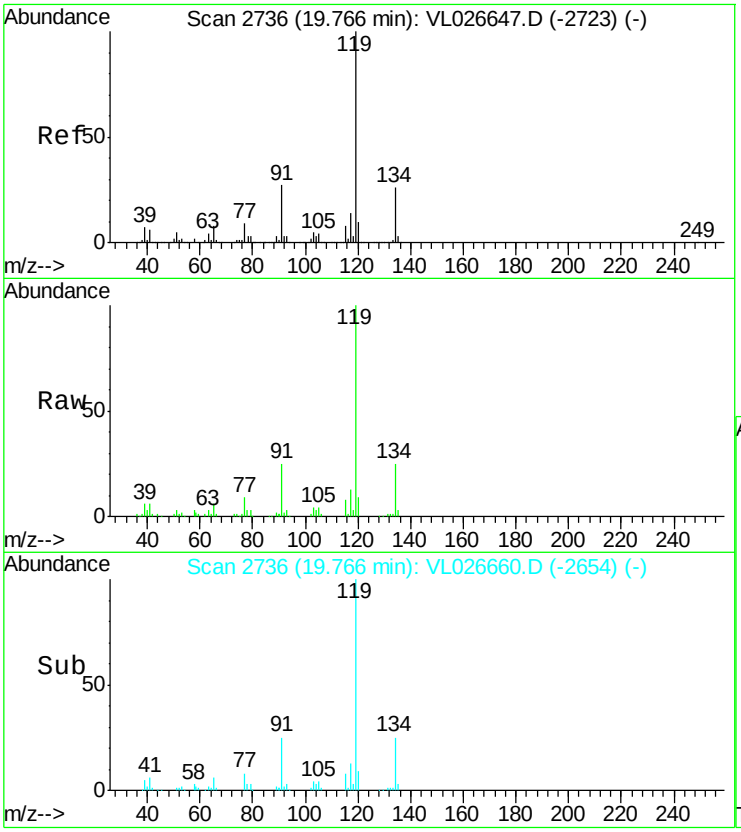


#68
1-Bromo-4-Fluorobenzene
Concen: 10.40 ppbv
RT: 16.26 min Scan# 2161
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 95 Resp: 2447394

Ion	Ratio	Lower	Upper
95	100		
174	61.1	47.8	71.8
175	4.4	3.6	5.4

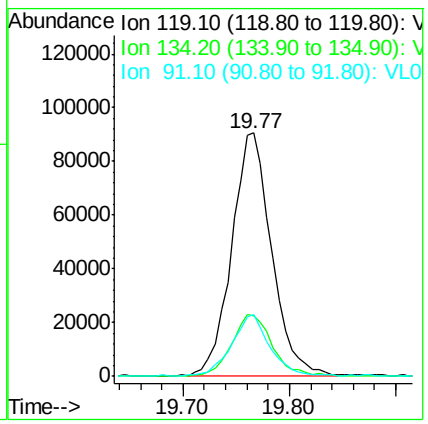




#69
p-Isopropyltoluene
Concen: 0.37 ppbv
RT: 19.77 min Scan# 2736
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:119 Resp: 238119

Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.6	31.0
91	25.0	21.7	32.5



Instrument :
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ClientSampleId :
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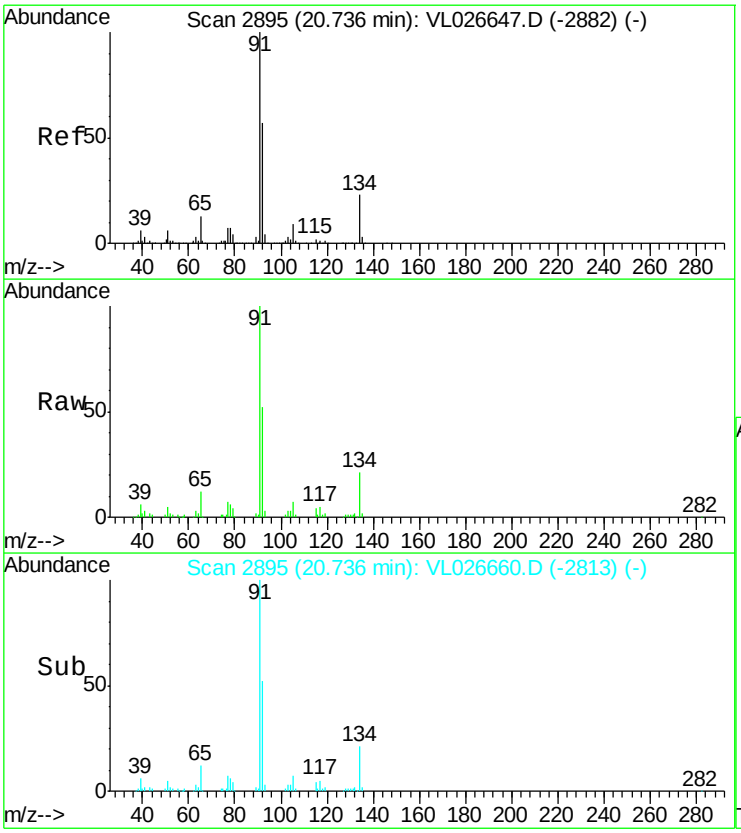
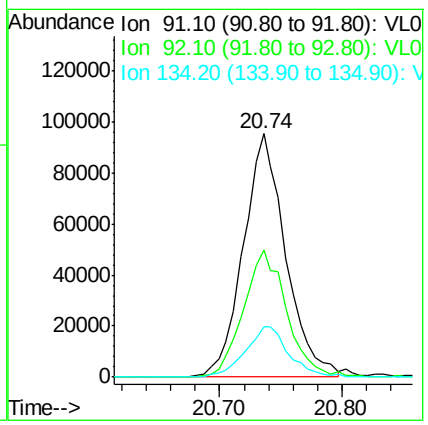
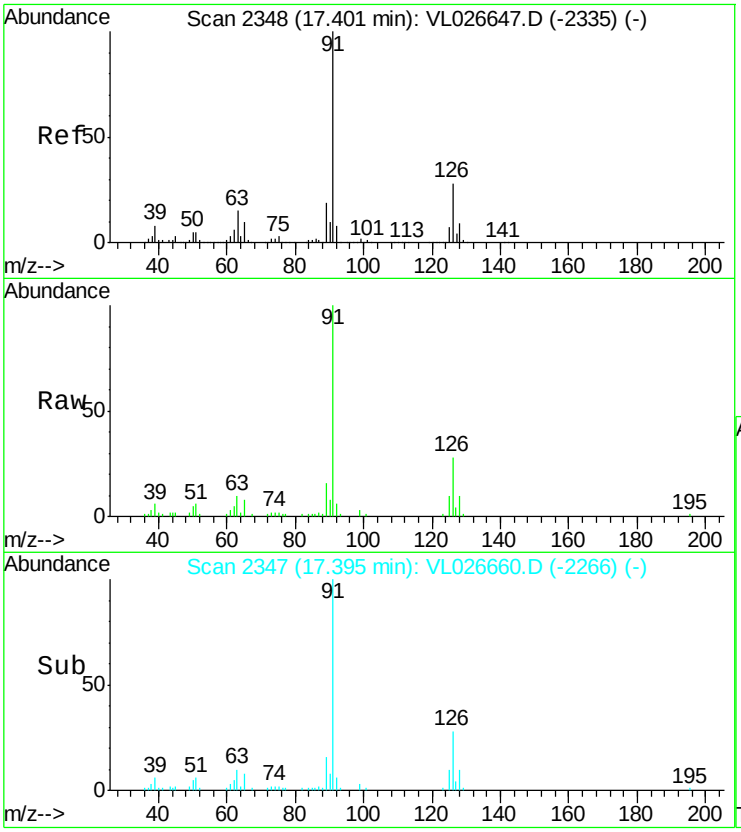


#70
n-Butylbenzene
Concen: 0.34 ppbv
RT: 20.74 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 91 Resp: 229520

Ion	Ratio	Lower	Upper
91	100		
92	53.6	45.0	67.4
134	21.1	18.2	27.2





#71
2-Chlorotoluene
Concen: 0.32 ppbv
RT: 17.39 min Scan# 2347
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion: 91 Resp: 155132

Ion	Ratio	Lower	Upper
91	100		
126	29.6	11.4	45.8

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

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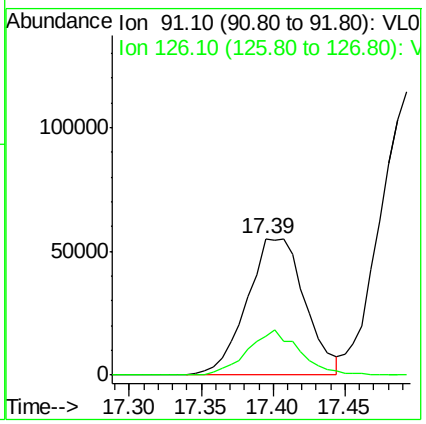
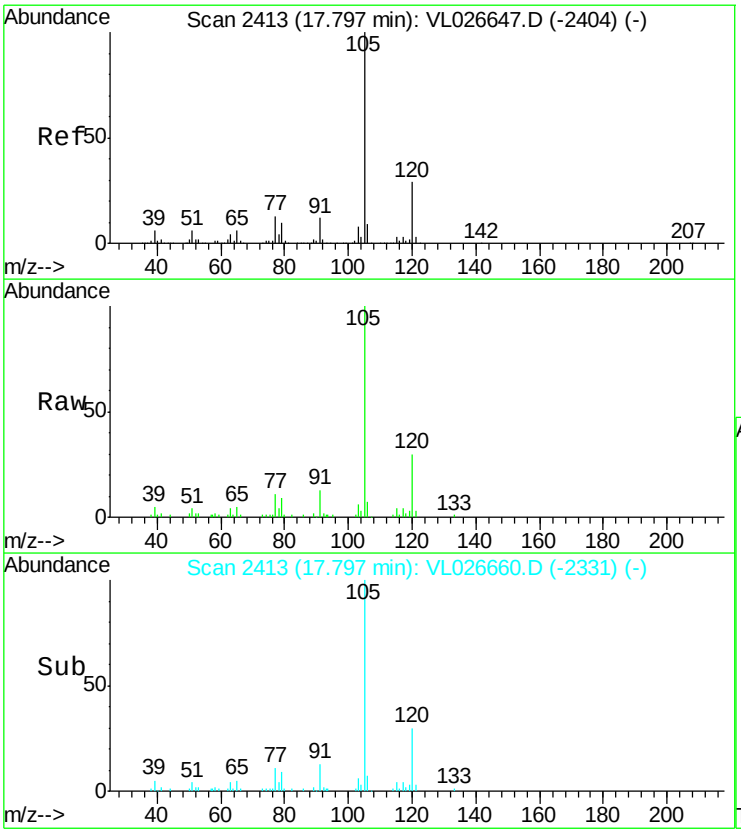
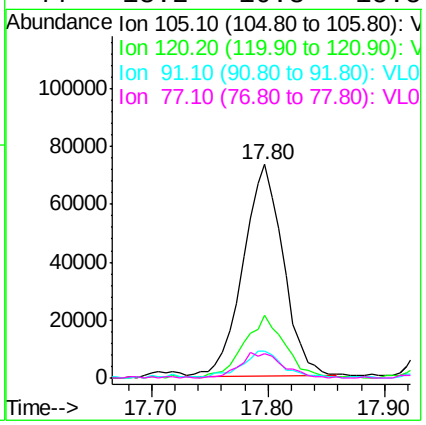


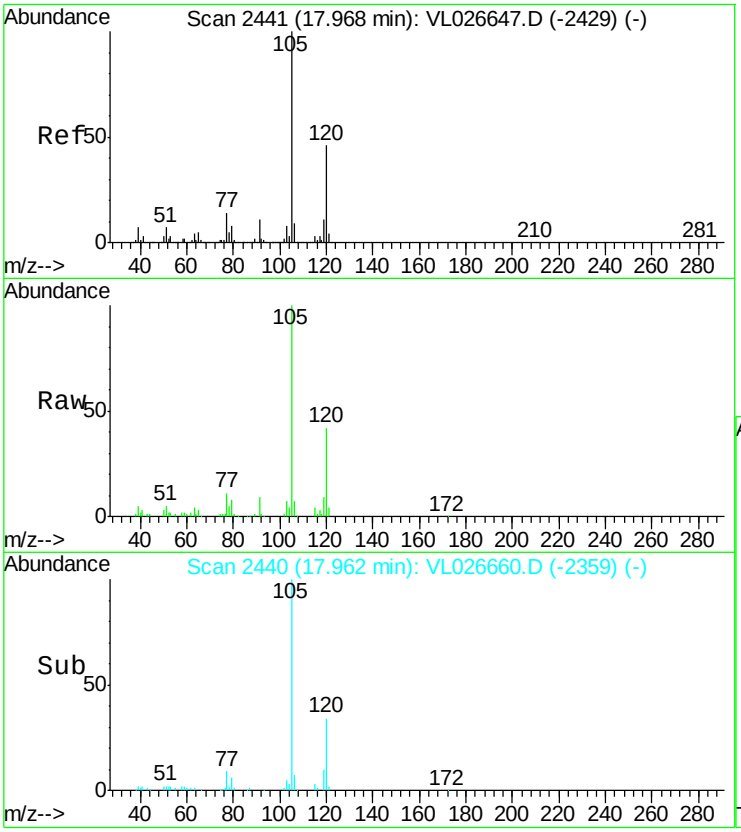


#72
4-Ethyltoluene
Concen: 0.33 ppbv
RT: 17.80 min Scan# 2413
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:105 Resp: 175770

Ion	Ratio	Lower	Upper
105	100		
120	31.0	23.7	35.5
91	14.8	9.7	14.5#
77	13.2	10.3	15.5

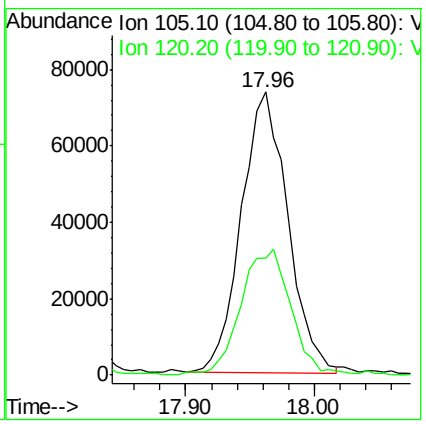




#73
1,3,5-Trimethylbenzene
Concen: 0.37 ppbv
RT: 17.96 min Scan# 2440
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:105 Resp: 183766

Ion	Ratio	Lower	Upper
105	100		
120	40.7	36.6	54.8



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

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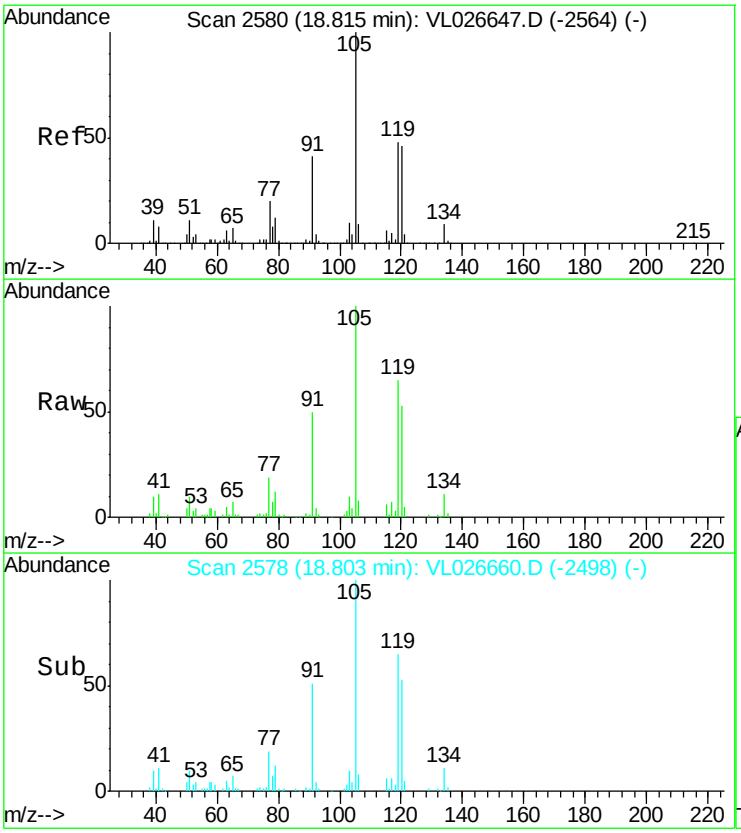
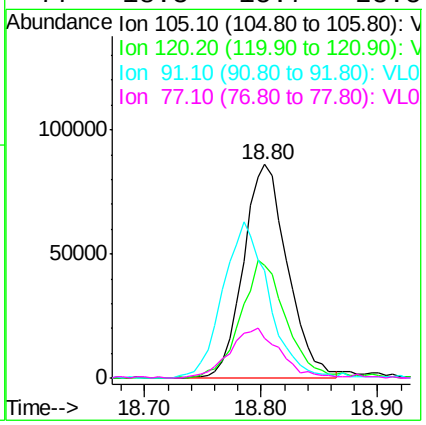
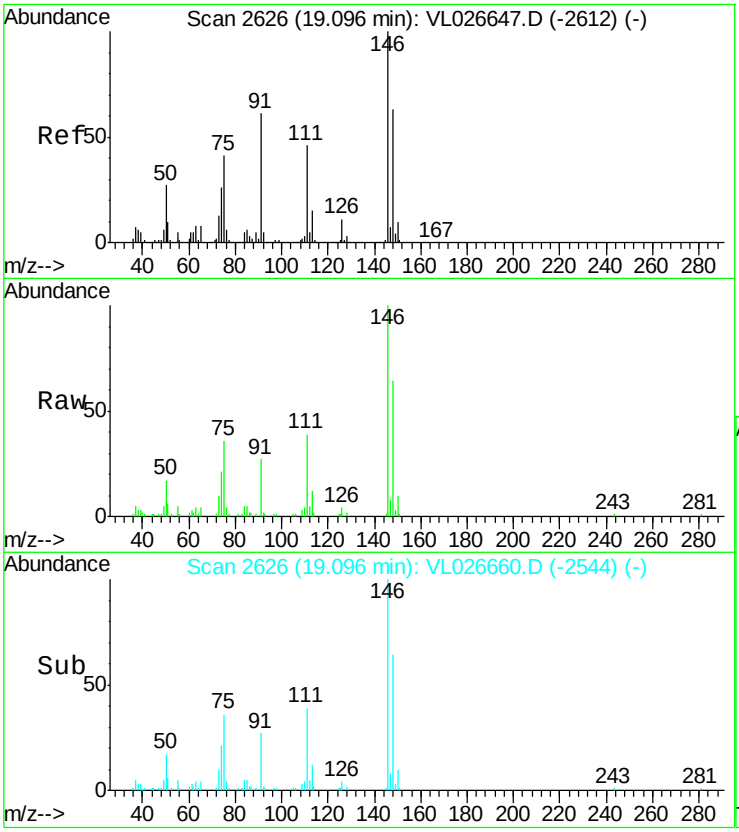


#74
1,2,4-Trimethylbenzene
Concen: 0.43 ppbv
RT: 18.80 min Scan# 2578
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:105 Resp: 227187

Ion	Ratio	Lower	Upper
105	100		
120	52.5	36.6	55.0
91	49.6	32.5	48.7#
77	18.3	15.7	23.5

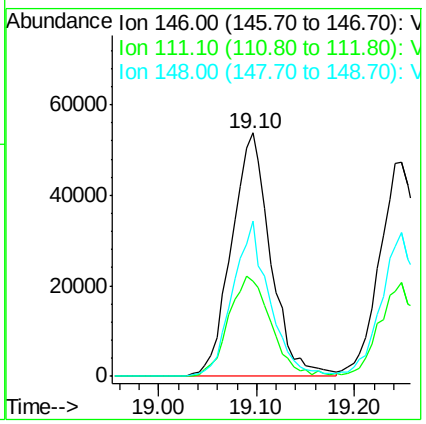




#75
1,3-Dichlorobenzene
Concen: 0.46 ppbv
RT: 19.10 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:146 Resp: 149581

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.9	68.5
148	59.5	31.6	95.0



Instrument :
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ClientSampleId :
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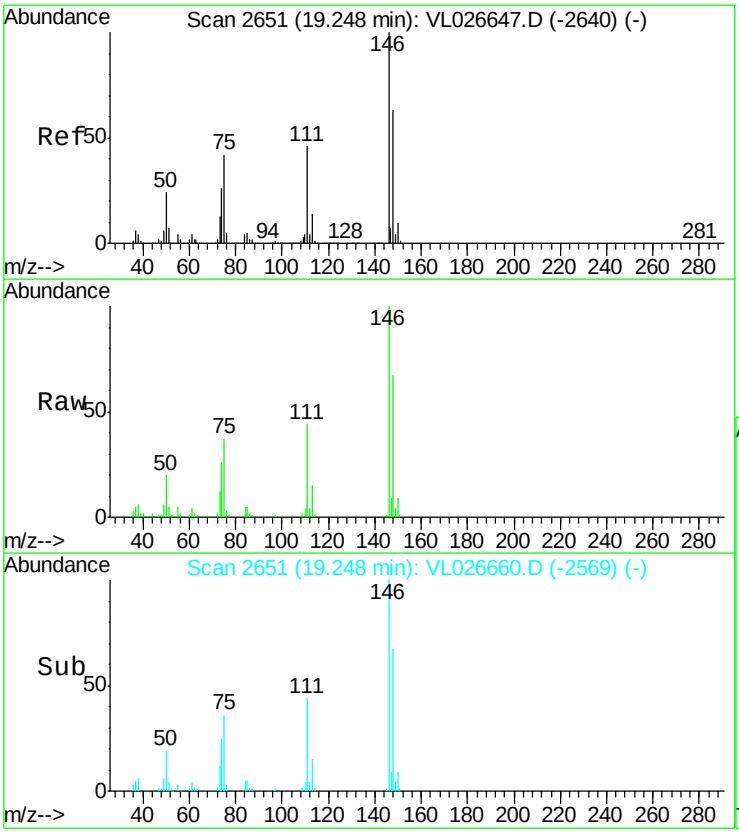
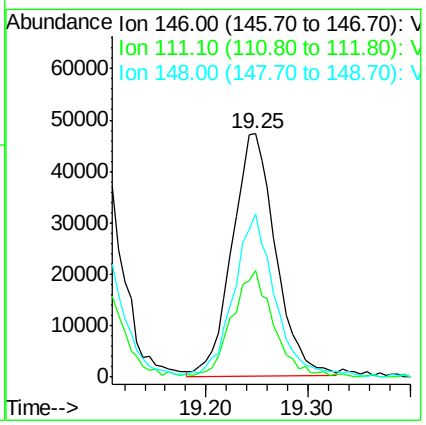
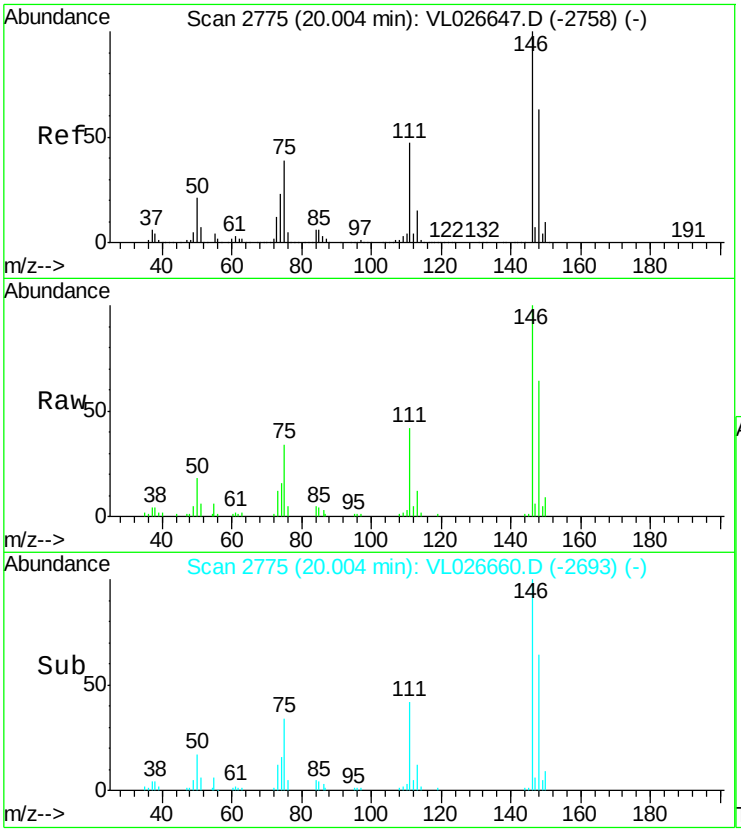


#76
1,4-Dichlorobenzene
Concen: 0.42 ppbv
RT: 19.25 min Scan# 2651
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:146 Resp: 139175

Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.3	66.8
148	65.2	31.9	95.9

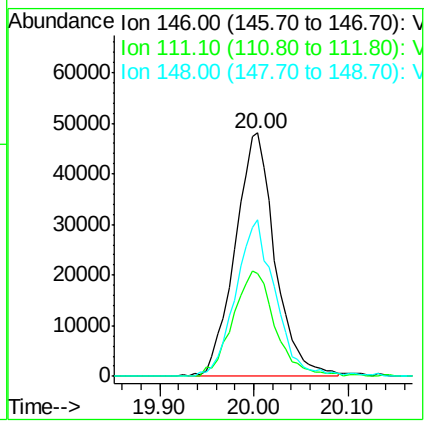




#77
1,2-Dichlorobenzene
Concen: 0.43 ppbv
RT: 20.00 min Scan# 2775
Delta R.T. -0.00 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:146 Resp: 142432

Ion	Ratio	Lower	Upper
146	100		
111	45.6	23.7	71.1
148	64.2	31.1	93.5



Instrument :
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ClientSampleId :
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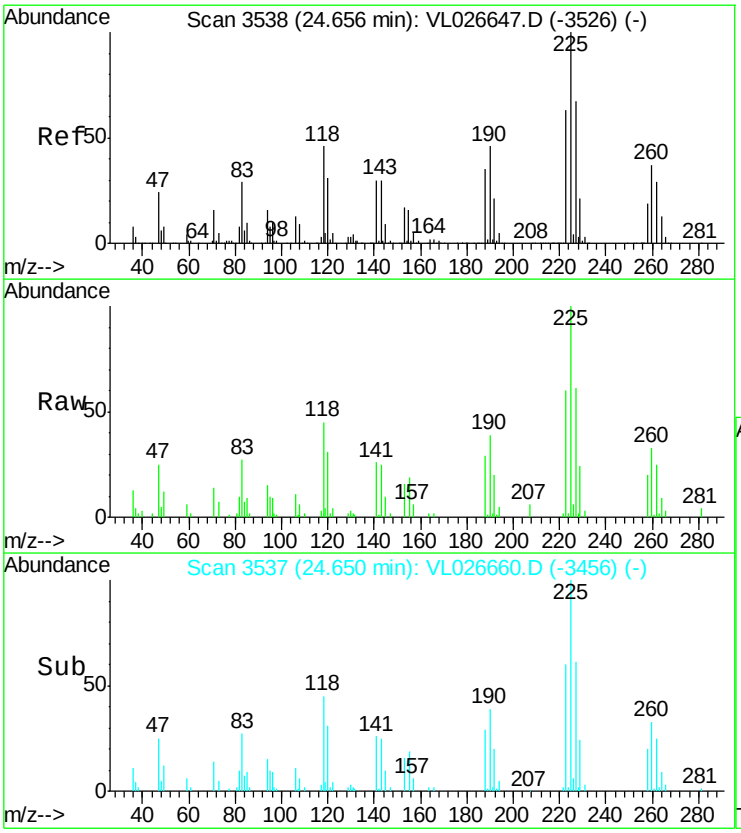
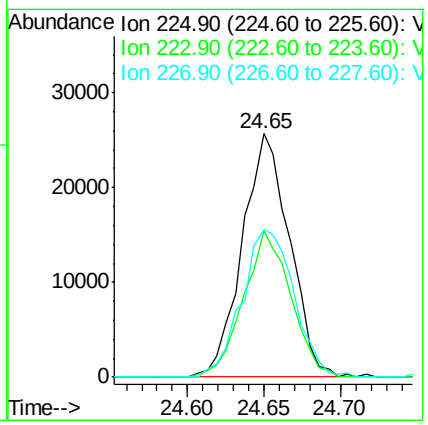
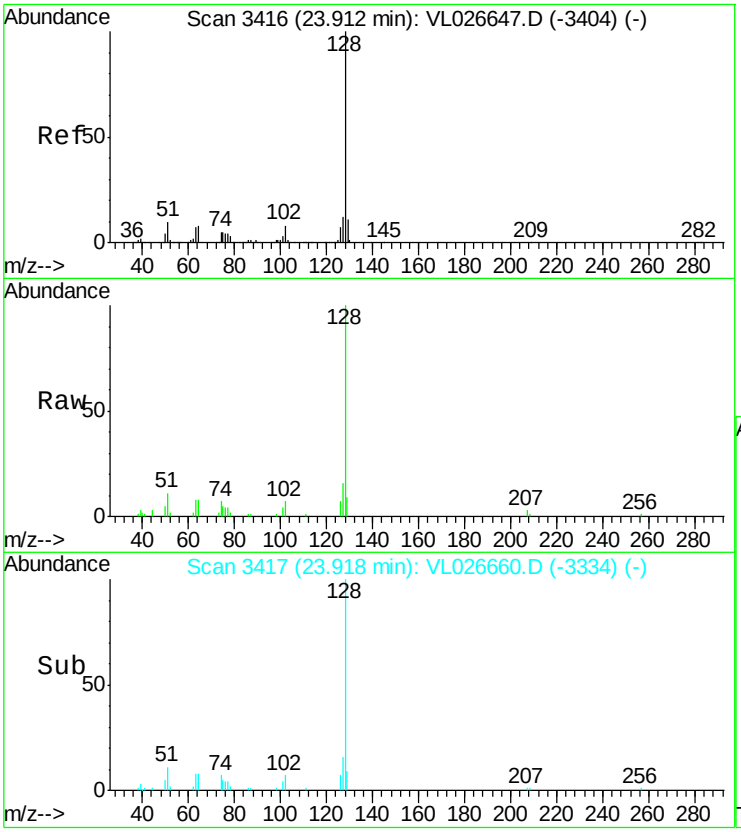


#78
Hexachloro-1,3-Butadiene
Concen: 0.41 ppbv
RT: 24.65 min Scan# 3537
Delta R.T. -0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:225 Resp: 54969

Ion	Ratio	Lower	Upper
225	100		
223	60.1	50.1	75.1
227	67.0	51.1	76.7

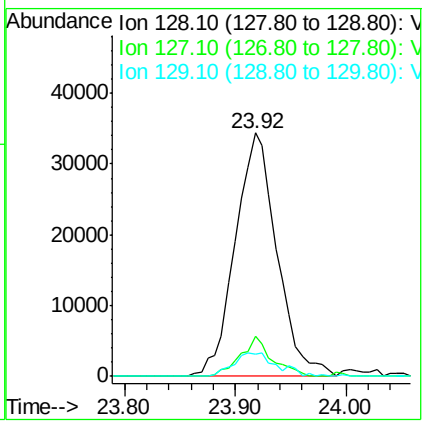




#79
Naphthalene
Concen: 0.25 ppbv m
RT: 23.92 min Scan# 3417
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:128 Resp: 89809

Ion	Ratio	Lower	Upper
128	100		
127	16.4	9.8	14.8#
129	9.0	8.9	13.3



Instrument :
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ClientSampleId :
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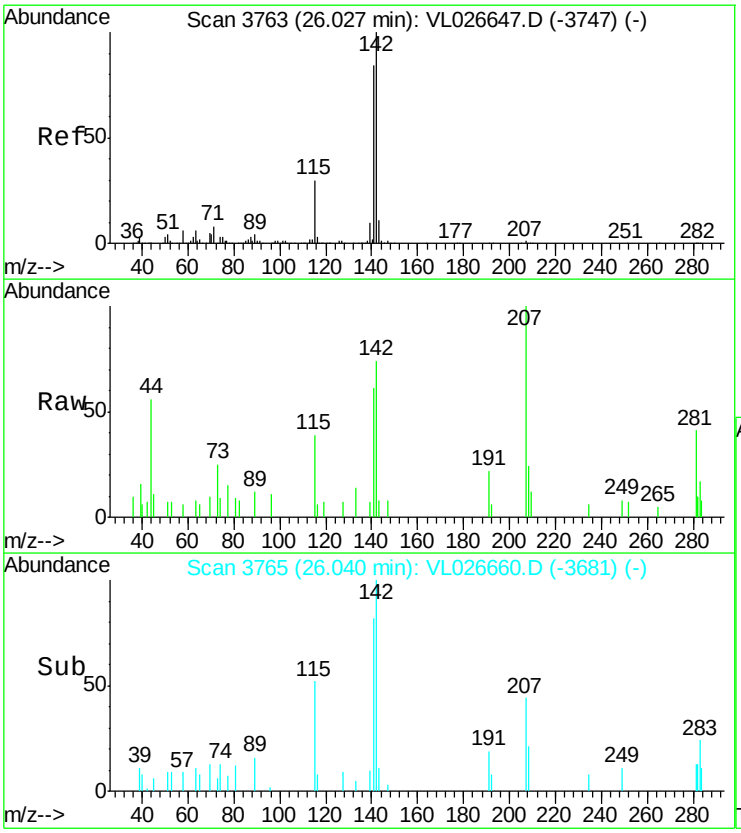
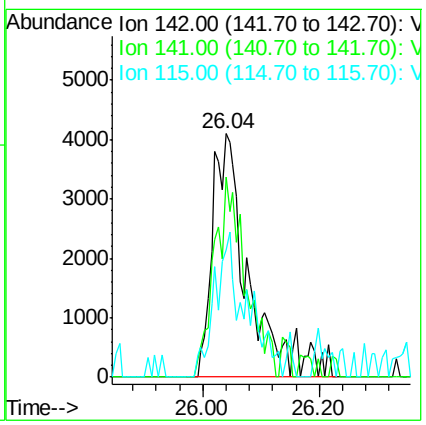
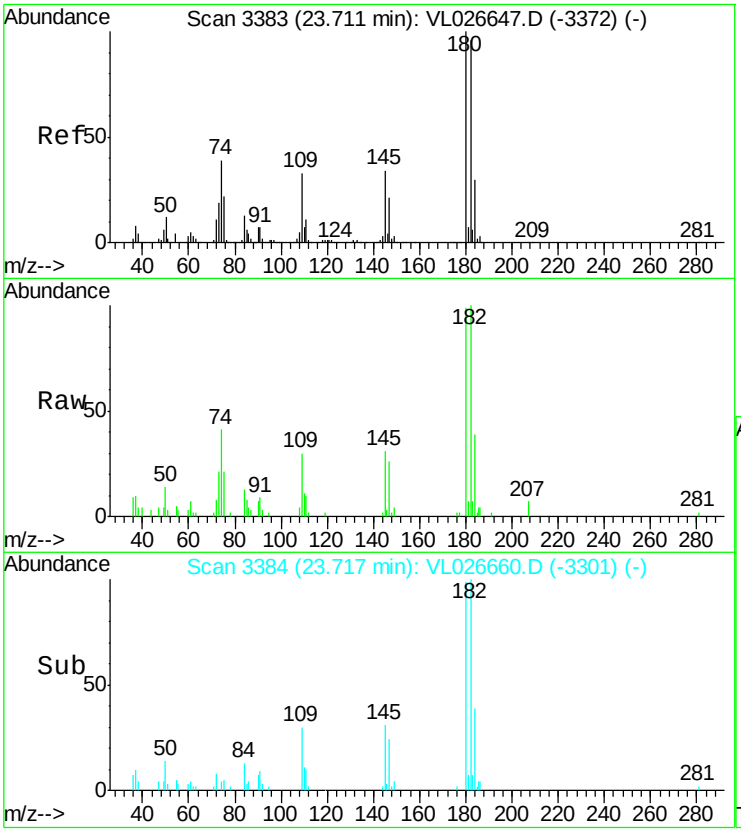


#80
Naphthalene,2-methyl-
Concen: 0.32 ppbv
RT: 26.04 min Scan# 3765
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:142 Resp: 17487

Ion	Ratio	Lower	Upper
142	100		
141	79.0	67.0	100.6
115	52.4	24.7	37.1#

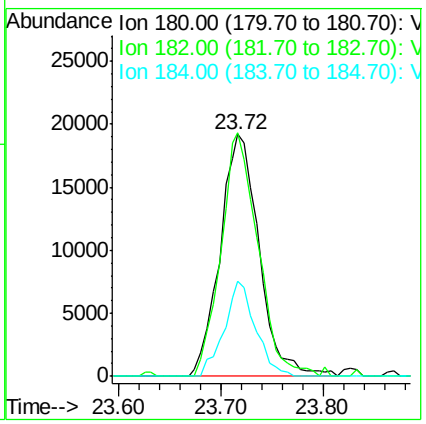




#81
1,2,4-Trichlorobenzene
Concen: 0.31 ppbv m
RT: 23.72 min Scan# 3384
Delta R.T. 0.01 min
Lab File: VL026660.D
Acq: 9 Jan 2016 4:32

Tgt Ion:180 Resp: 51122

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.4	113.0
184	31.6	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

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