Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026847.D
Acq On : 10 Feb 2016 9:33
Operator : SY/AP
Sample : H1404-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA-1

Manual Integrations APPROVED
MMDadoda
2/11/2016 1:25:00 PM

Quant Time: Feb 11 02:45:24 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 1
QLast Update : Wed Feb 10 03:14:04 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.69	49	1494260	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.36	114	4512824	10.00	ppbv		-0.02
55) Chlorobenzene-d5	13.79	117	2966800	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.33	95	2447653	11.49	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 114.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.67	85	210606	0.65	ppbv		97
3) Chlorodifluoromethane	3.60	51	610943	2.52	ppbv		96
4) Chloromethane	3.78	50	63026	0.66	ppbv		96
9) Propene	3.64	41	78191m	1.19	ppbv		
10) Heptane	9.40	43	25312	0.12	ppbv		98
11) Trichlorofluoromethane	4.73	101	105098	0.27	ppbv		99
13) Ethanol	4.38	45	110658	9.82	ppbv		93
15) Acetone	4.64	43	1052487	5.13	ppbv		89
19) Isopropyl Alcohol	4.83	45	76749	1.05	ppbv	#	92
20) Methylene Chloride	5.18	84	84690	0.80	ppbv		95
26) Hexane	6.70	57	426758	2.46	ppbv	#	49
34) 2-Butanone	6.26	43	65380	0.30	ppbv		93
35) Carbon Tetrachloride	8.20	117	24766	0.08	ppbv		87
36) Benzene	8.06	78	106475	0.30	ppbv		97
41) Tetrahydrofuran	7.21	42	35933	0.33	ppbv		97
44) 2,2,4-Trimethylpentane	9.12	57	90596	0.15	ppbv	#	67
53) Toluene	11.27	91	851279	2.11	ppbv		100
58) Ethyl Benzene	14.46	91	48090	0.13	ppbv		91
59) m/p-Xylene	14.73	91	93919	0.31	ppbv		98
60) o-Xylene	15.53	91	36467	0.11	ppbv		99
74) 1,2,4-Trimethylbenzene	18.88	105	50622	0.15	ppbv	#	65

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

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026847.D
Acq On : 10 Feb 2016 9:33
Operator : SY/AP
Sample : H1404-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 11 02:45:24 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb
QLast Update : Wed Feb 10 03:14:04 2016
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Manual Integrations APPROVED
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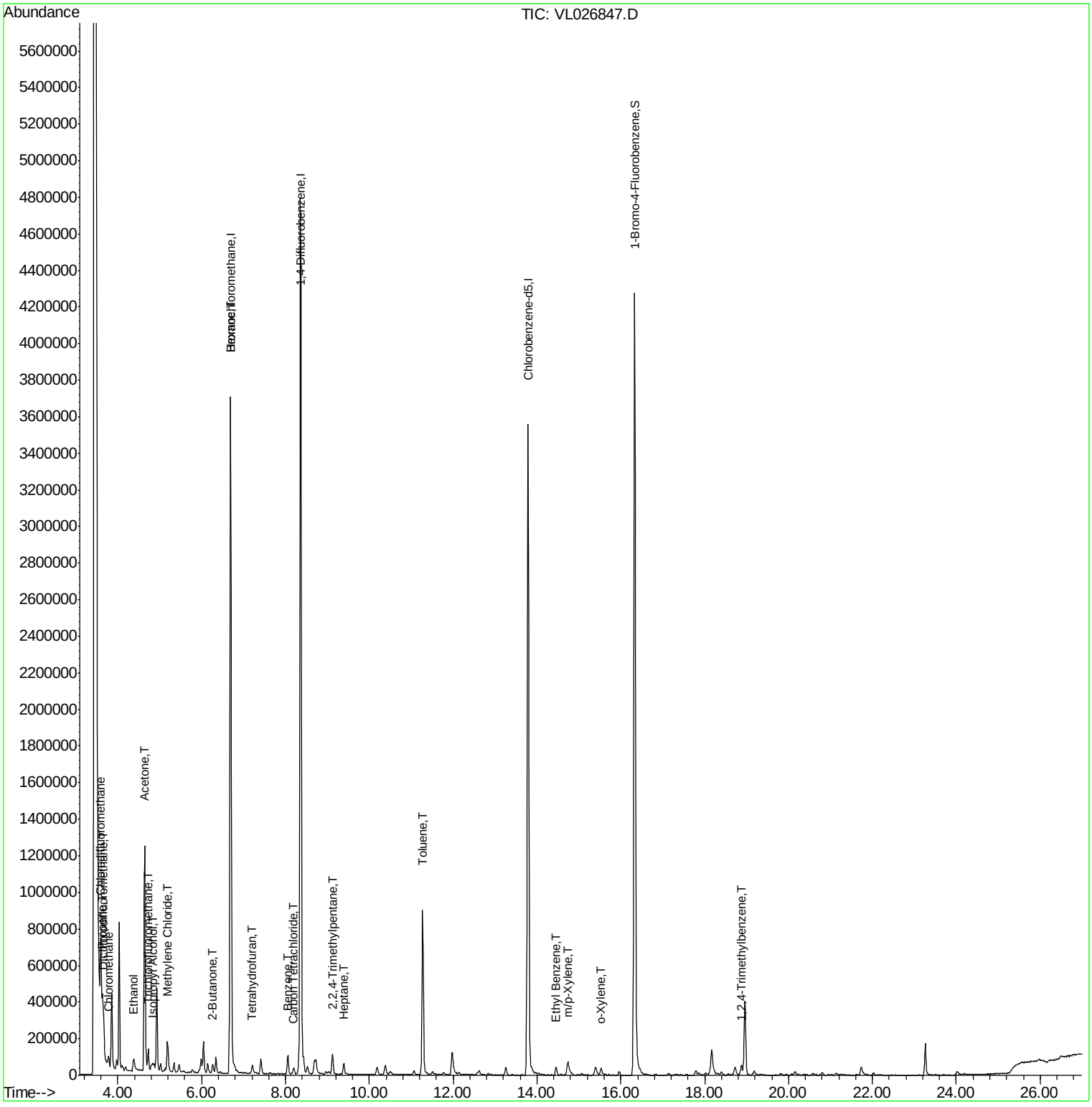
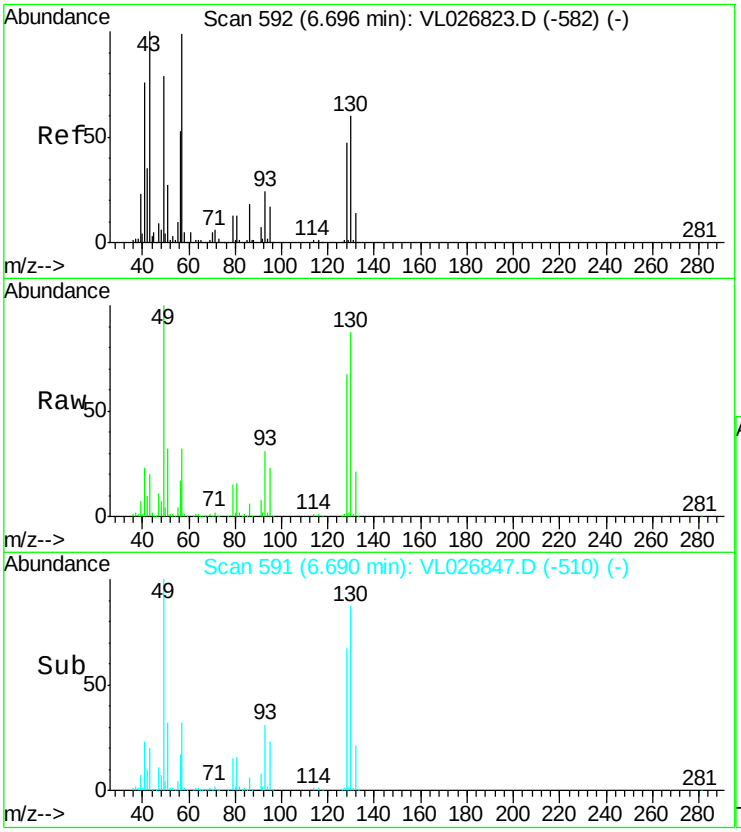
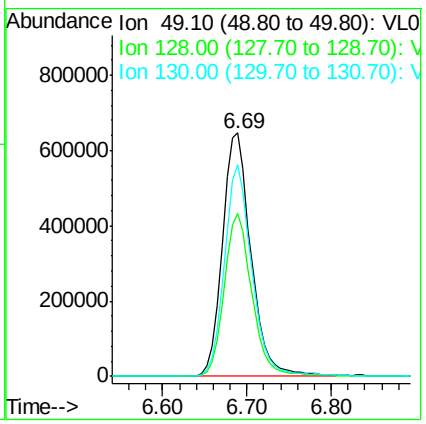




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.69 min Scan# 591
Delta R.T. -0.01 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 49 Resp: 1494260

Ion	Ratio	Lower	Upper
49	100		
128	65.2	29.7	89.1
130	84.5	38.3	114.8



Instrument :
MSVOA_L
ClientSampleId :
OA-1

Manual Integrations APPROVED
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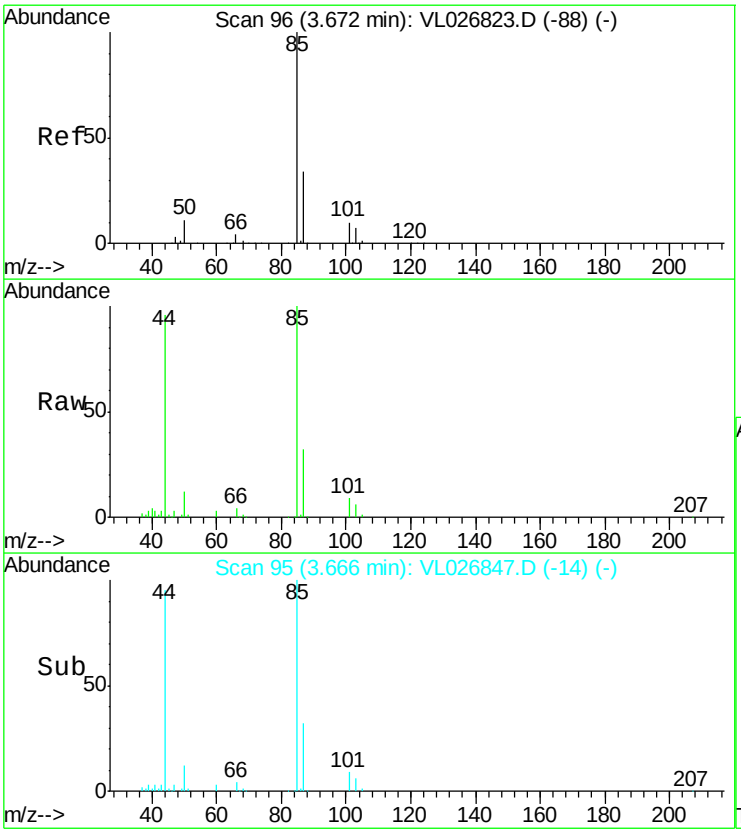
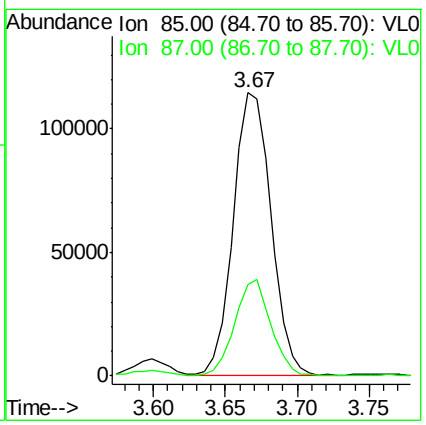
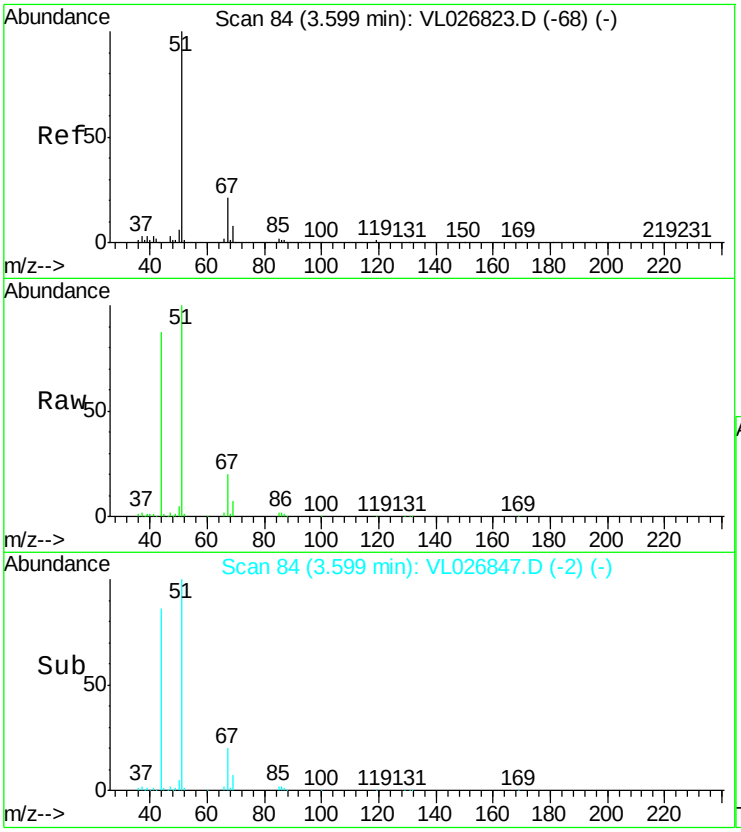


#2
Dichlorodifluoromethane
Concen: 0.65 ppbv
RT: 3.67 min Scan# 95
Delta R.T. -0.01 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 85 Resp: 210606

Ion	Ratio	Lower	Upper
85	100		
87	32.5	27.3	40.9

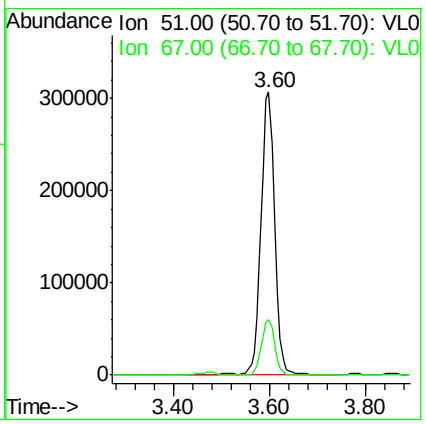




#3
Chlorodifluoromethane
Concen: 2.52 ppbv
RT: 3.60 min Scan# 84
Delta R.T. -0.00 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 51 Resp: 610943

Ion	Ratio	Lower	Upper
51	100		
67	18.8	16.4	24.6



Instrument :
MSVOA_L
ClientSampleId :
OA-1

Manual Integrations APPROVED
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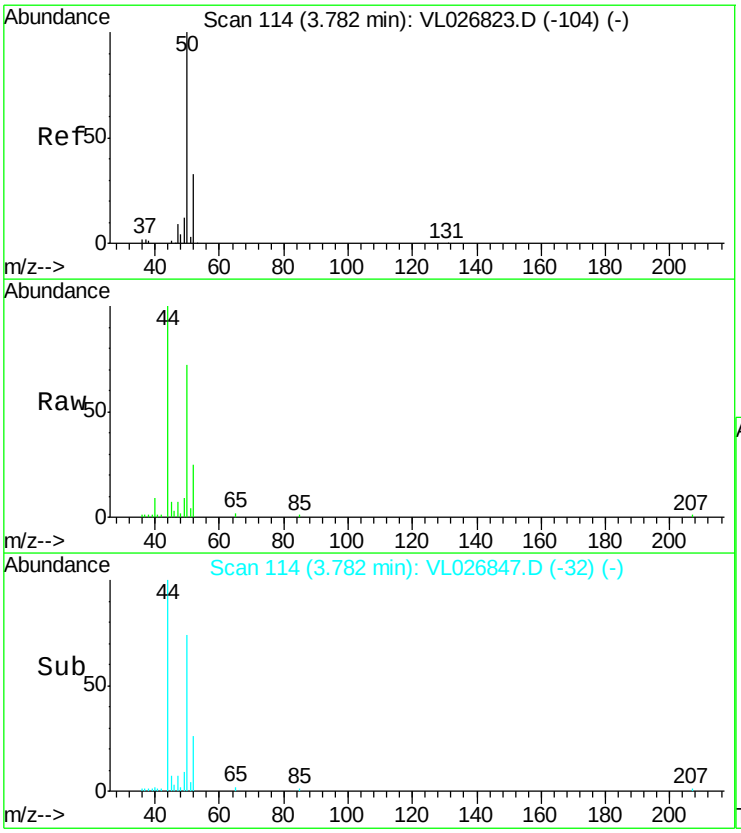
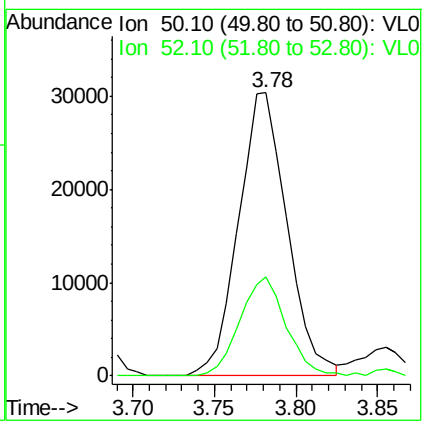
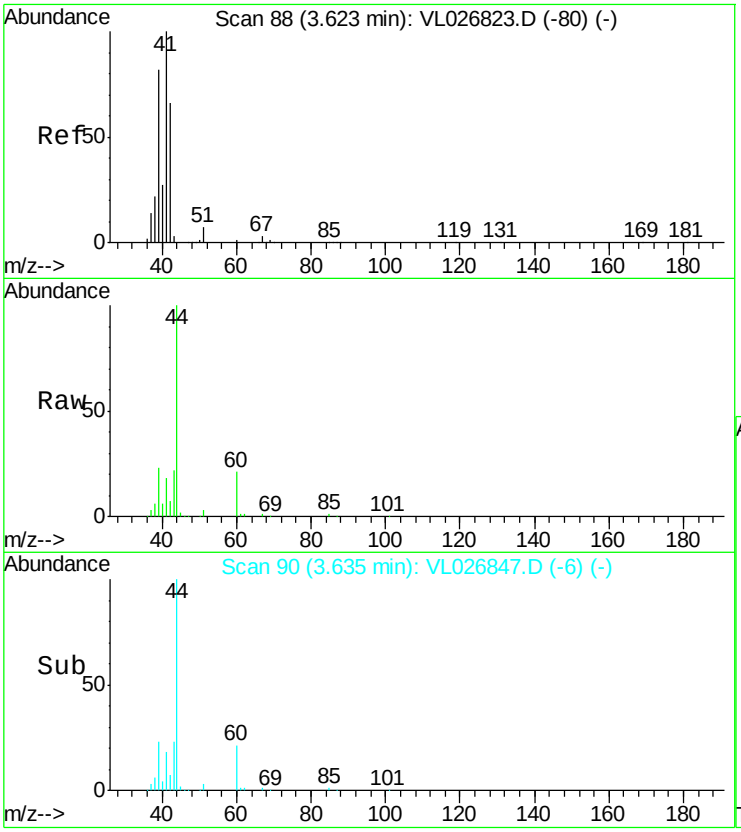


#4
Chloromethane
Concen: 0.66 ppbv
RT: 3.78 min Scan# 114
Delta R.T. -0.00 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 50 Resp: 63026

Ion	Ratio	Lower	Upper
50	100		
52	35.1	26.3	39.5





#9
Propene
Concen: 1.19 ppbv m
RT: 3.64 min Scan# 90
Delta R.T. 0.01 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 41 Resp: 78191

Ion	Ratio	Lower	Upper
41	100		
42	140.9	52.8	79.2#

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Manual Integrations APPROVED
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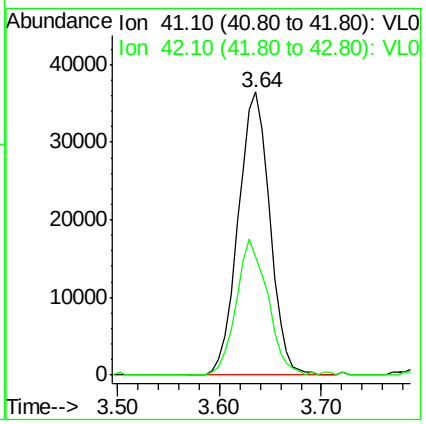
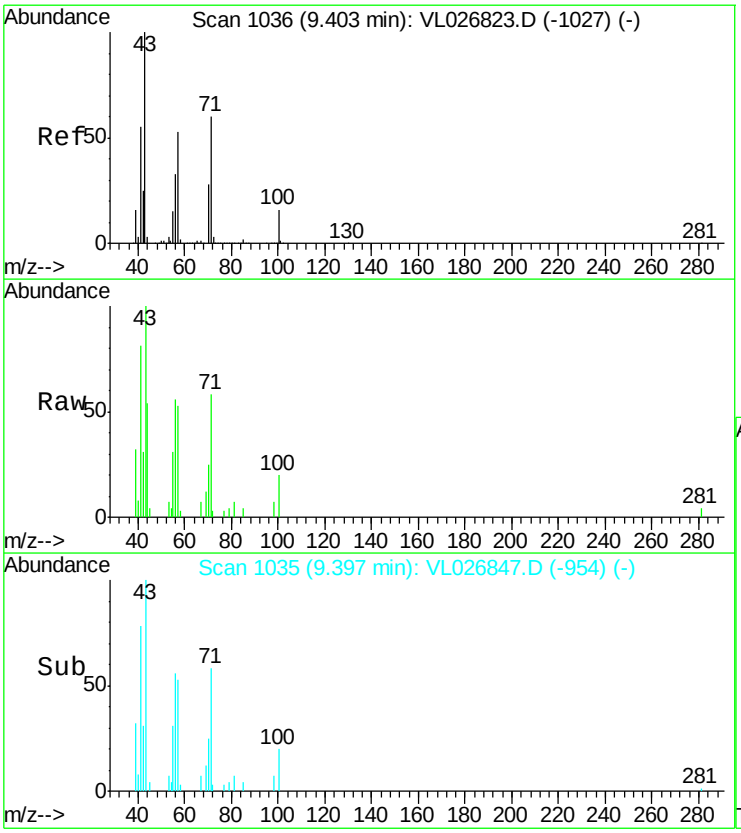
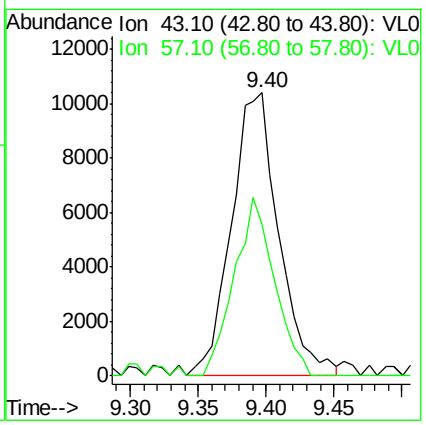


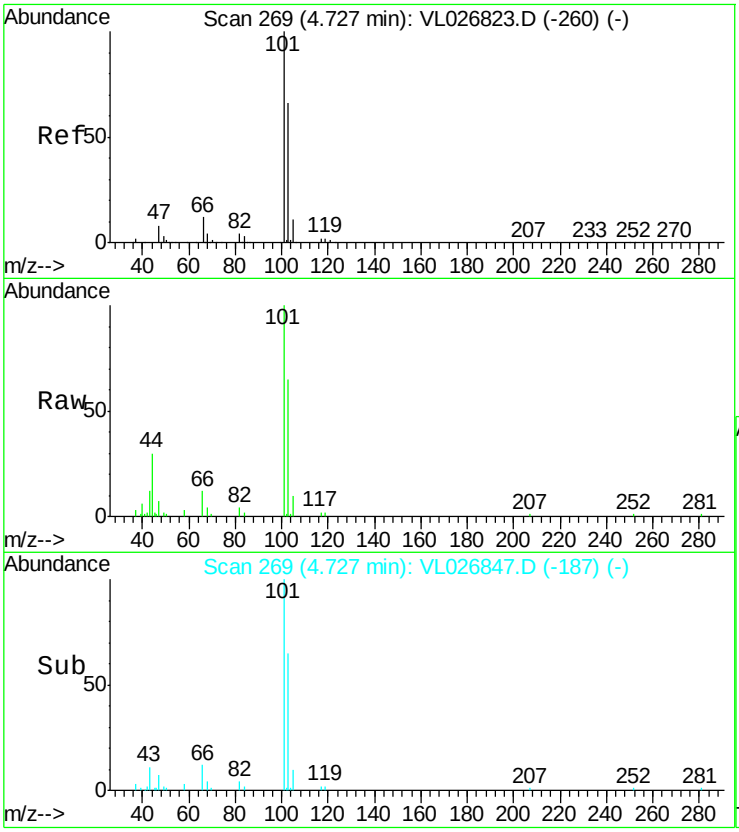


#10
Heptane
Concen: 0.12 ppbv
RT: 9.40 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 43 Resp: 25312

Ion	Ratio	Lower	Upper
43	100		
57	56.5	44.0	66.0

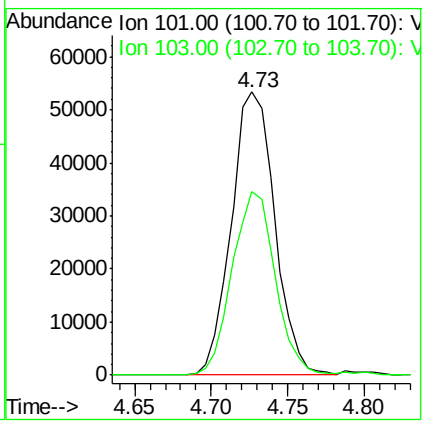




#11
Trichlorofluoromethane
Concen: 0.27 ppbv
RT: 4.73 min Scan# 269
Delta R.T. -0.00 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion:101 Resp: 105098

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.7	79.1



Instrument :
MSVOA_L
ClientSampleId :
OA-1

Manual Integrations APPROVED
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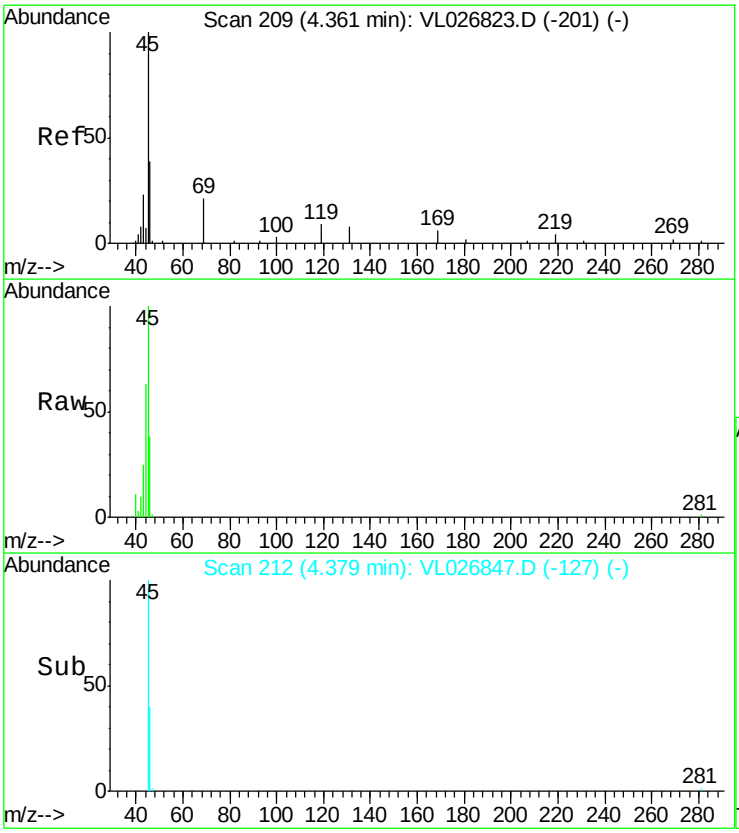
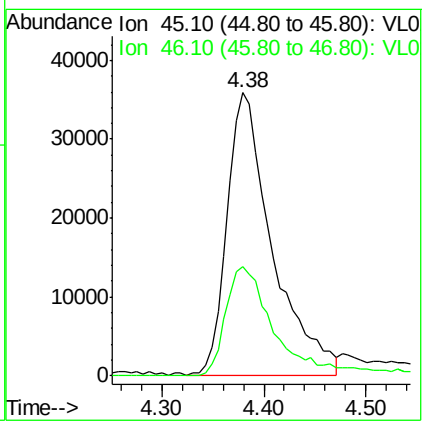
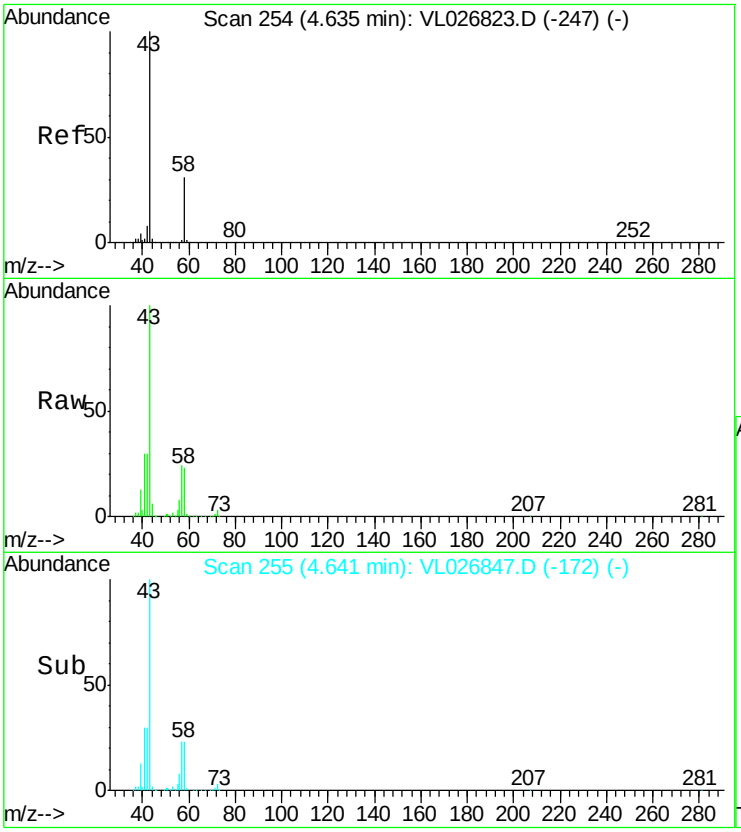


#13
Ethanol
Concen: 9.82 ppbv
RT: 4.38 min Scan# 212
Delta R.T. 0.02 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 45 Resp: 110658

Ion	Ratio	Lower	Upper
45	100		
46	44.0	15.8	63.4





#15
Acetone
Concen: 5.13 ppbv
RT: 4.64 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 43 Resp: 1052487

Ion	Ratio	Lower	Upper
43	100		
58	25.4	25.2	37.8

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Manual Integrations APPROVED
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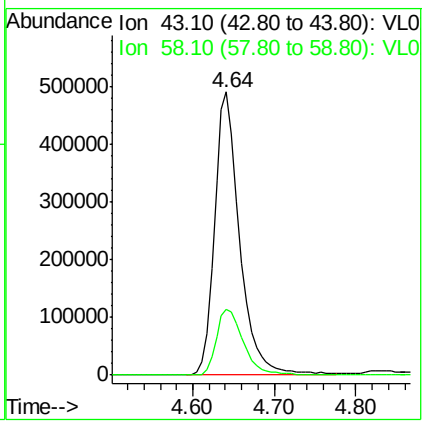
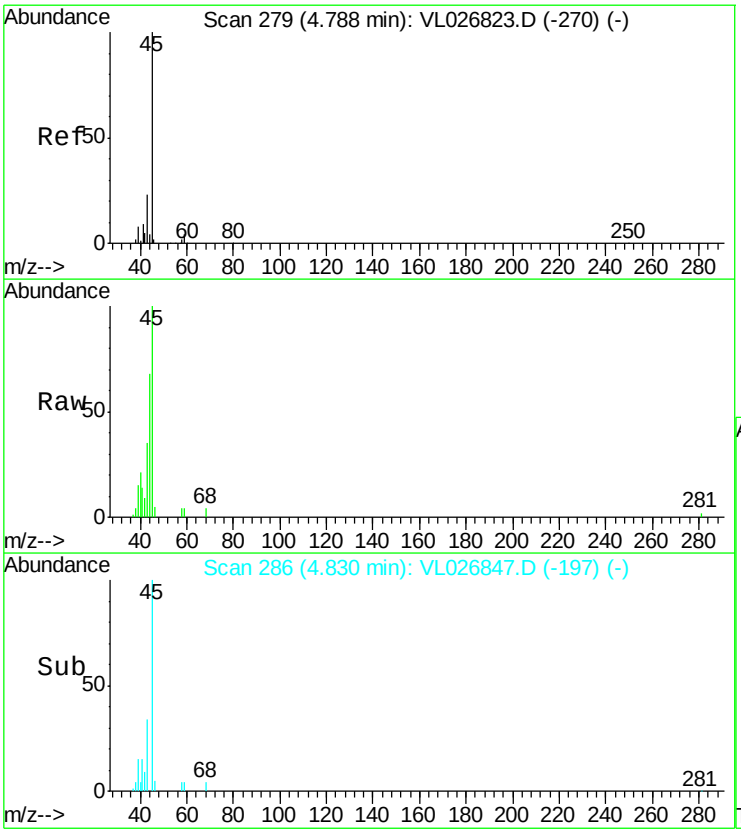
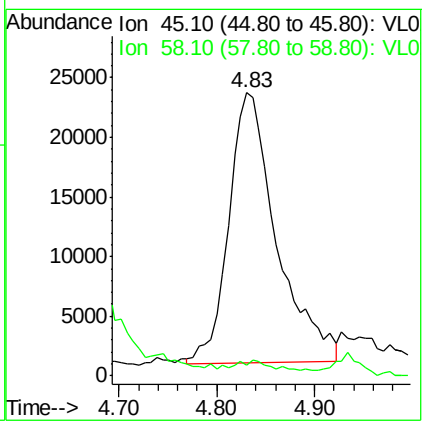


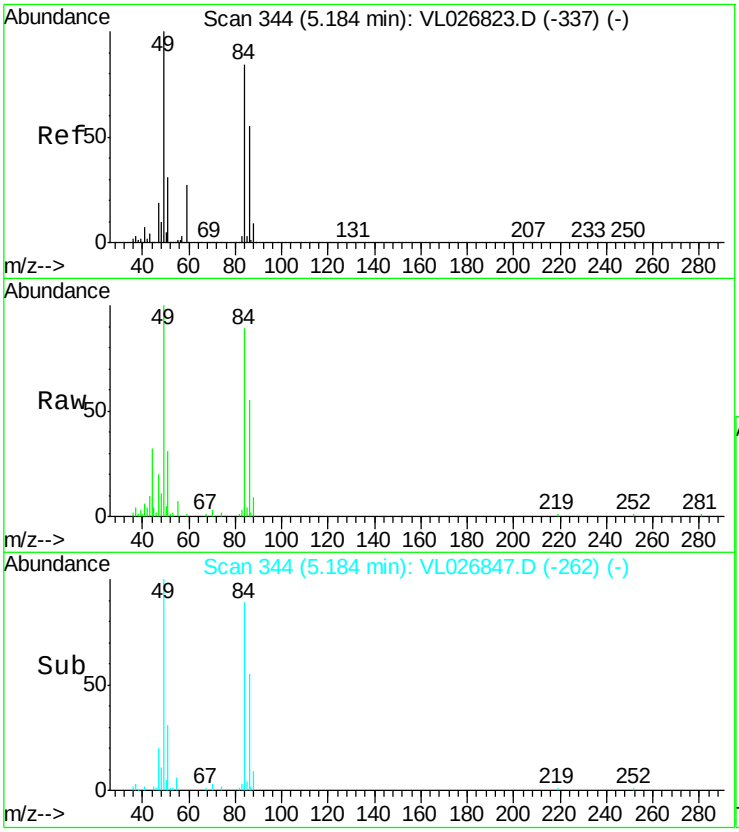


#19
Isopropyl Alcohol
Concen: 1.05 ppbv
RT: 4.83 min Scan# 286
Delta R.T. 0.04 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 45 Resp: 76749

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.2	3.2#

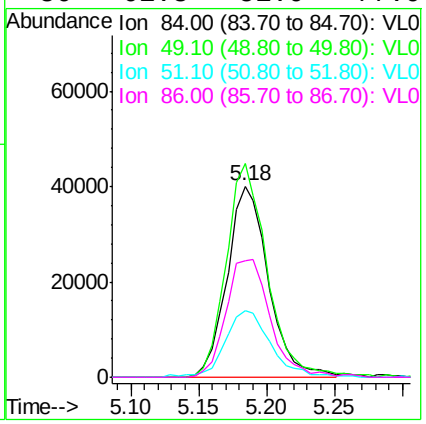




#20
Methylene Chloride
Concen: 0.80 ppbv
RT: 5.18 min Scan# 344
Delta R.T. -0.00 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 84 Resp: 84690

Ion	Ratio	Lower	Upper
84	100		
49	111.9	94.9	142.3
51	34.3	29.5	44.3
86	61.3	51.9	77.9



Instrument :
MSVOA_L
ClientSampleId :
OA-1

Manual Integrations APPROVED
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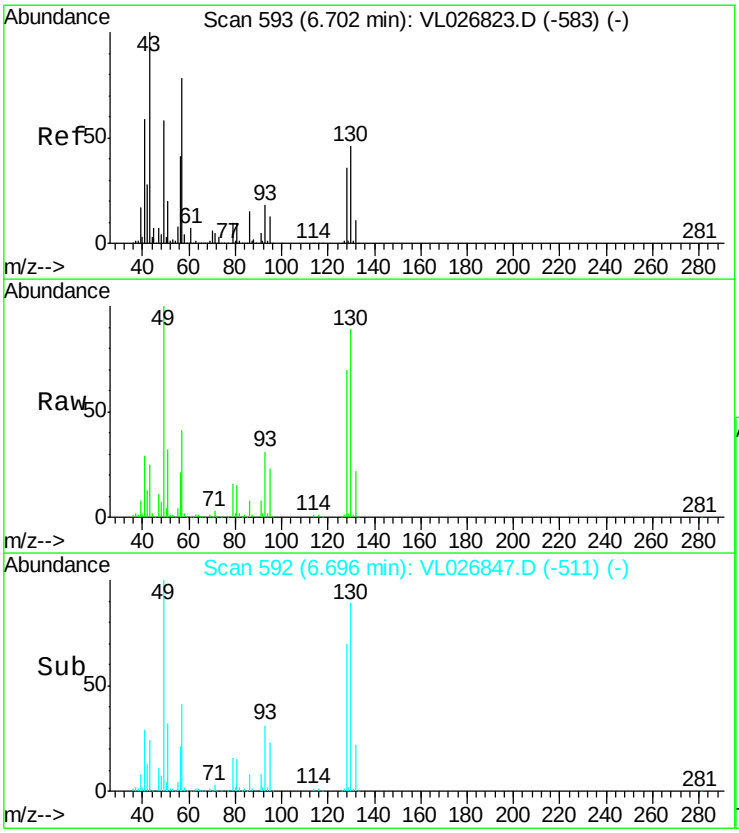
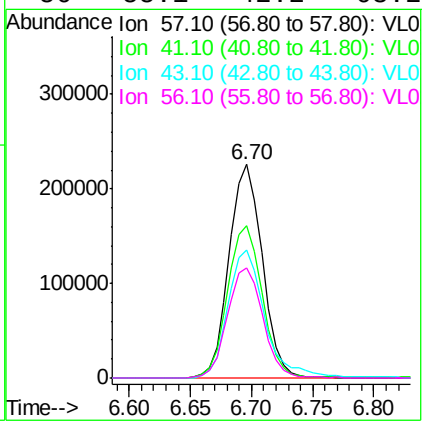
2/11/2016 1:25:00 PM

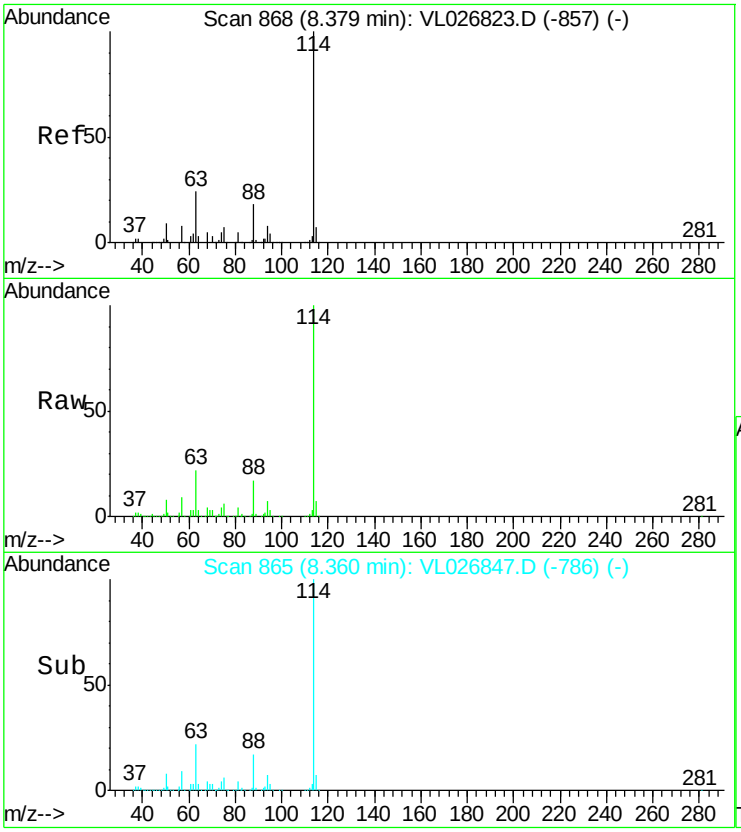


#26
Hexane
Concen: 2.46 ppbv
RT: 6.70 min Scan# 592
Delta R.T. -0.01 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 57 Resp: 426758

Ion	Ratio	Lower	Upper
57	100		
41	74.7	63.3	94.9
43	67.7	151.4	227.2#
56	55.1	42.2	63.2

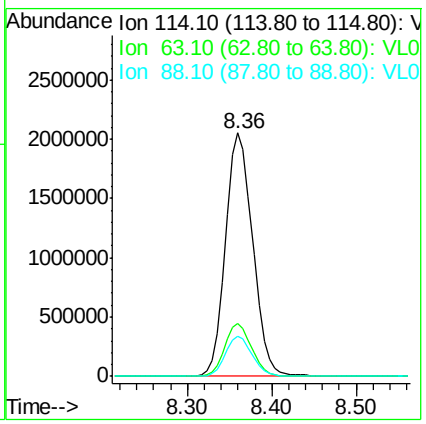




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.36 min Scan# 865
Delta R.T. -0.02 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion:114 Resp: 4512824

Ion	Ratio	Lower	Upper
114	100		
63	21.7	19.7	29.5
88	16.4	13.8	20.6



Instrument :
MSVOA_L
ClientSampleId :
OA-1

Manual Integrations APPROVED
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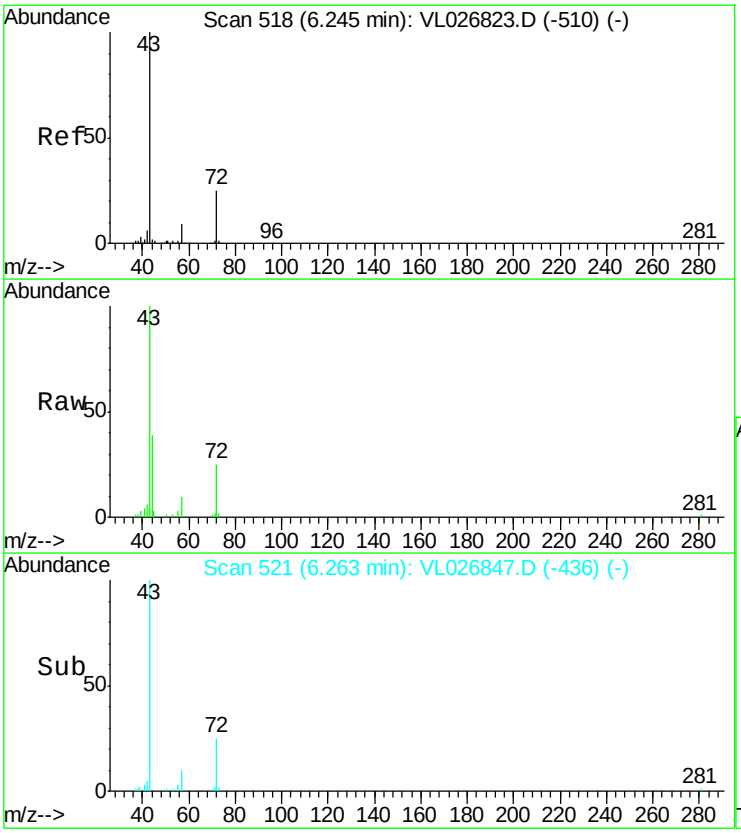
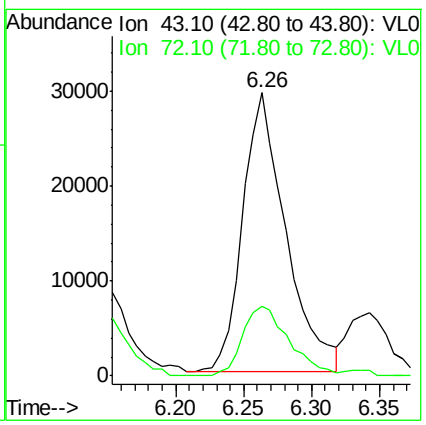
2/11/2016 1:25:00 PM

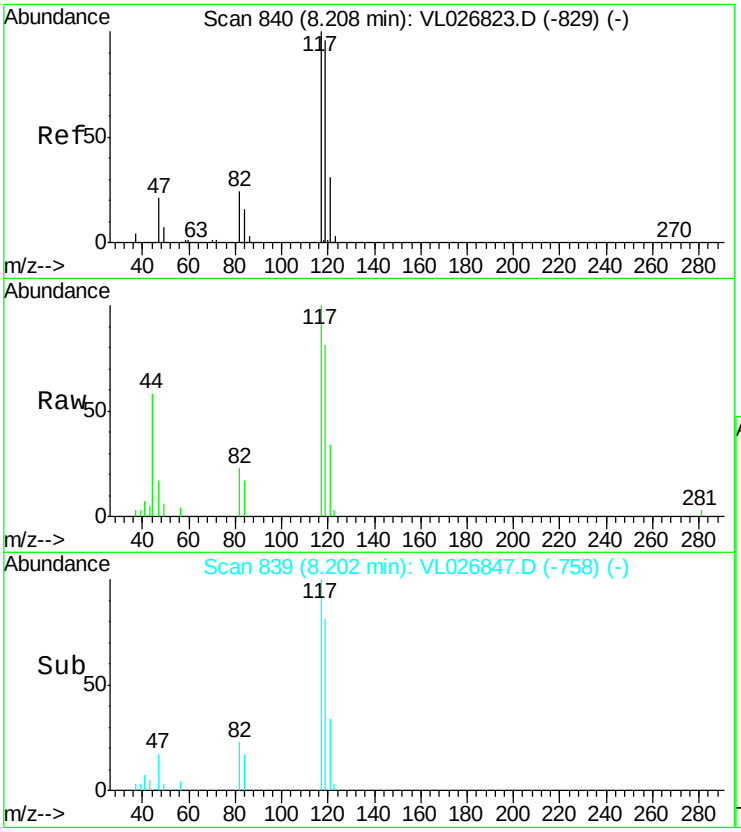


#34
2-Butanone
Concen: 0.30 ppbv
RT: 6.26 min Scan# 521
Delta R.T. 0.02 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 43 Resp: 65380

Ion	Ratio	Lower	Upper
43	100		
72	28.1	19.8	29.8

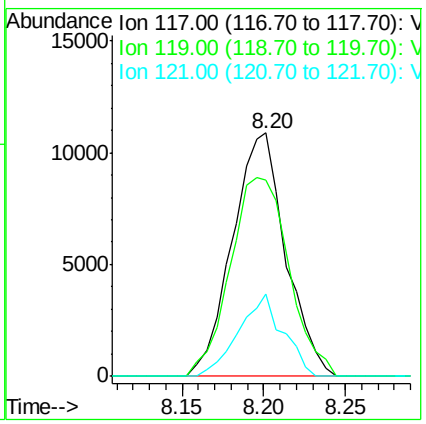




#35
Carbon Tetrachloride
Concen: 0.08 ppbv
RT: 8.20 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

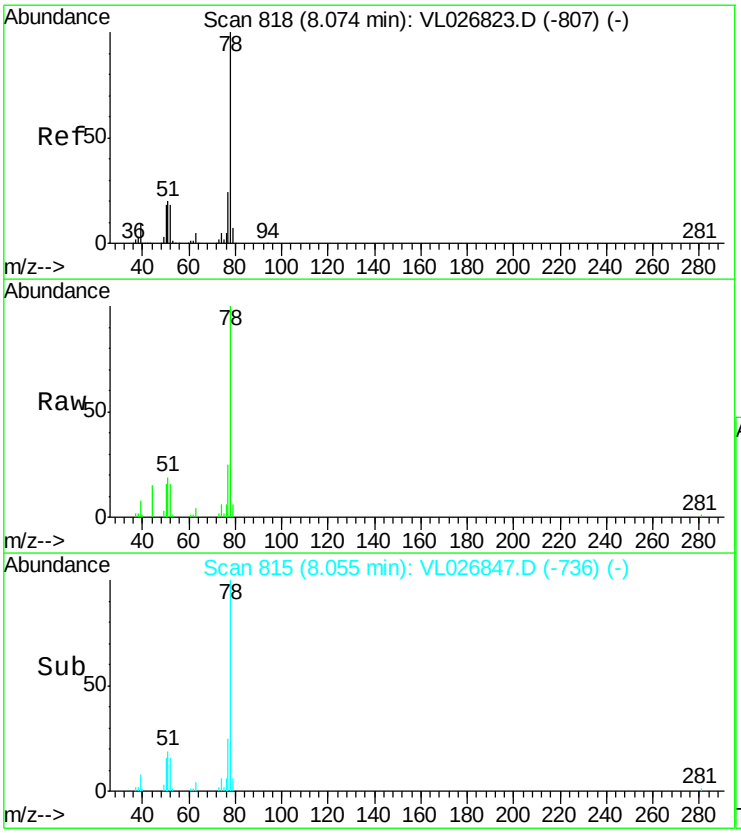
Tgt Ion:117 Resp: 24766

Ion	Ratio	Lower	Upper
117	100		
119	80.8	76.6	115.0
121	33.8	25.0	37.4



Instrument :
MSVOA_L
ClientSampleId :
OA-1

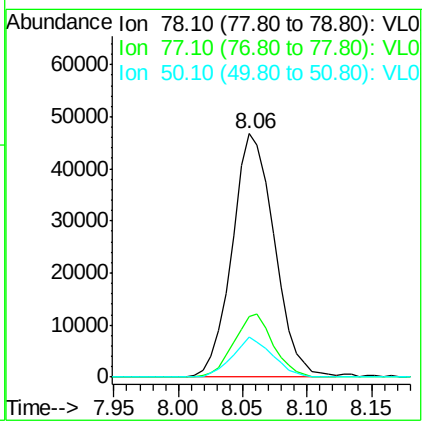
Manual Integrations APPROVED
MMDadoda
2/11/2016 1:25:00 PM

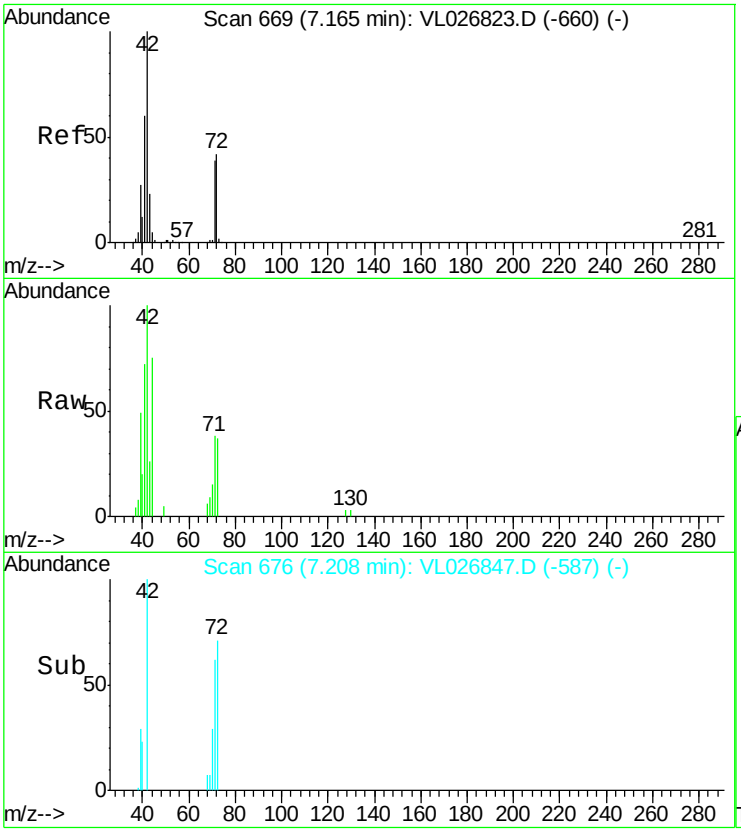


#36
Benzene
Concen: 0.30 ppbv
RT: 8.06 min Scan# 815
Delta R.T. -0.02 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 78 Resp: 106475

Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.0	28.6
50	16.4	14.2	21.4

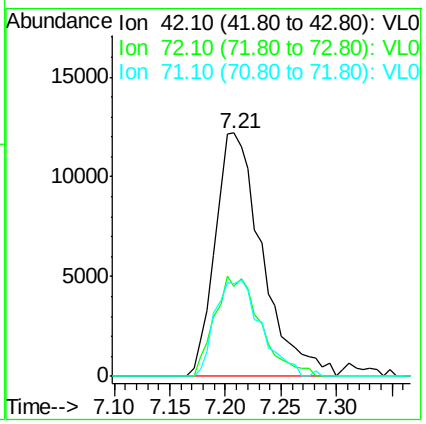




#41
Tetrahydrofuran
Concen: 0.33 ppbv
RT: 7.21 min Scan# 676
Delta R.T. 0.04 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 42 Resp: 35933

Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.4	50.0
71	38.6	32.1	48.1



Instrument :
MSVOA_L
ClientSampleId :
OA-1

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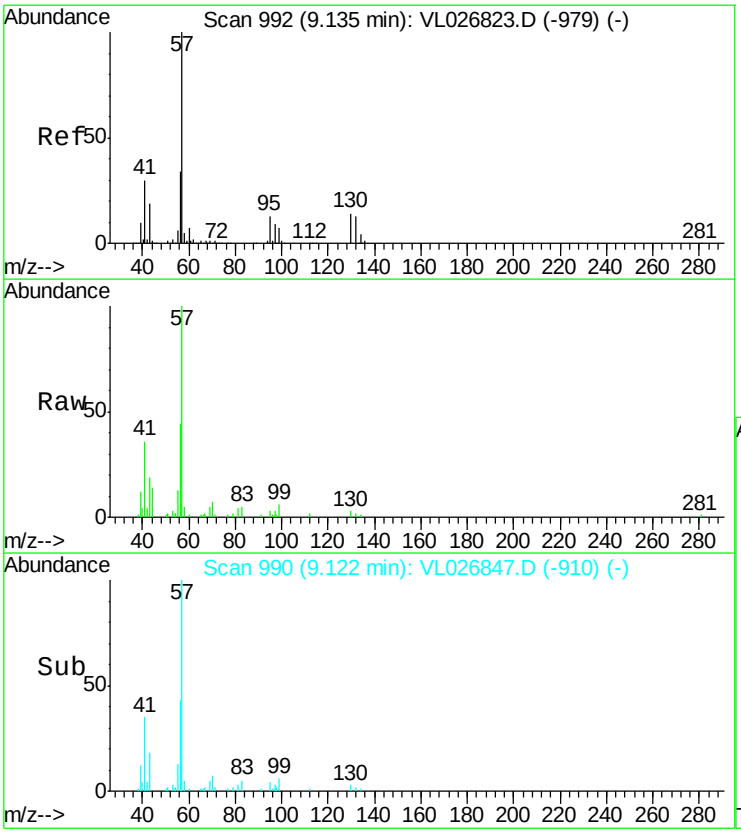
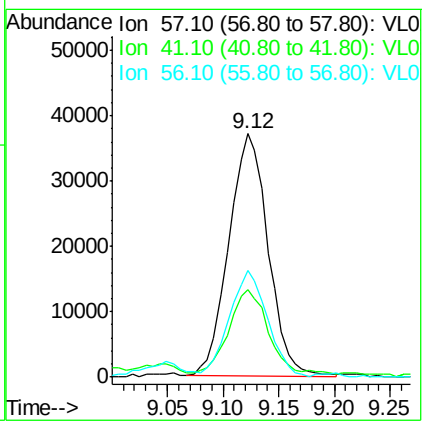
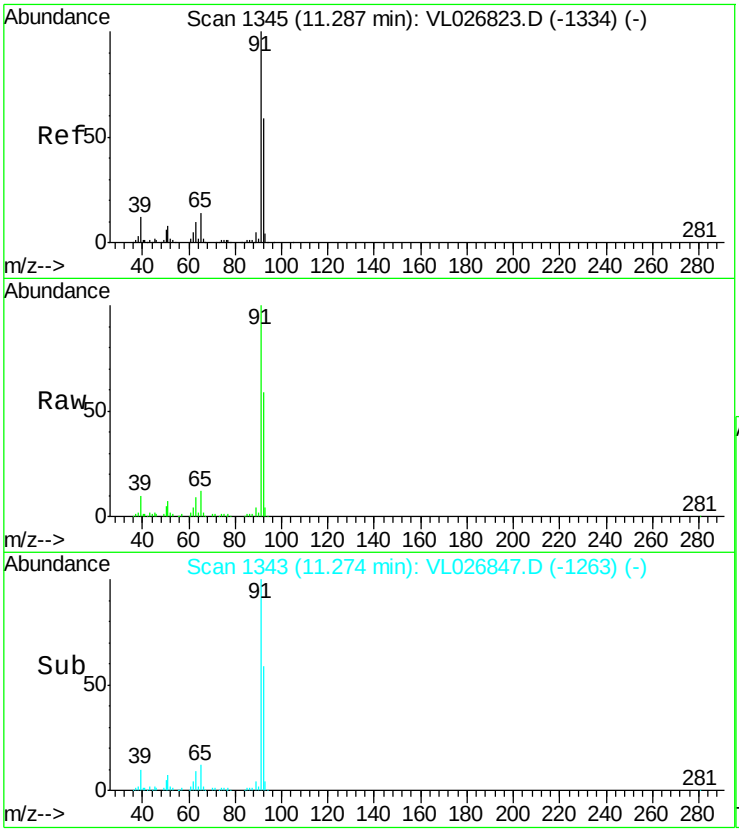


#44
2,2,4-Trimethylpentane
Concen: 0.15 ppbv
RT: 9.12 min Scan# 990
Delta R.T. -0.01 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 57 Resp: 90596

Ion	Ratio	Lower	Upper
57	100		
41	48.3	23.2	34.8#
56	50.3	26.2	39.4#





#53
Toluene
Concen: 2.11 ppbv
RT: 11.27 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 91 Resp: 851279

Ion	Ratio	Lower	Upper
91	100		
92	58.8	47.3	70.9

Instrument :
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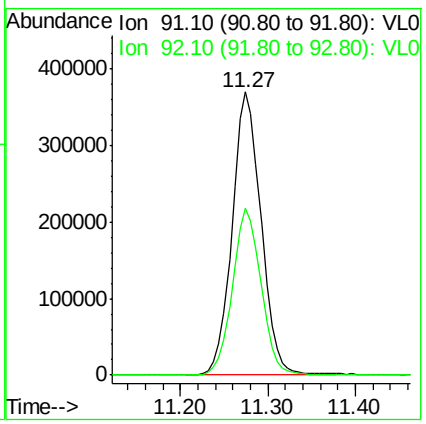
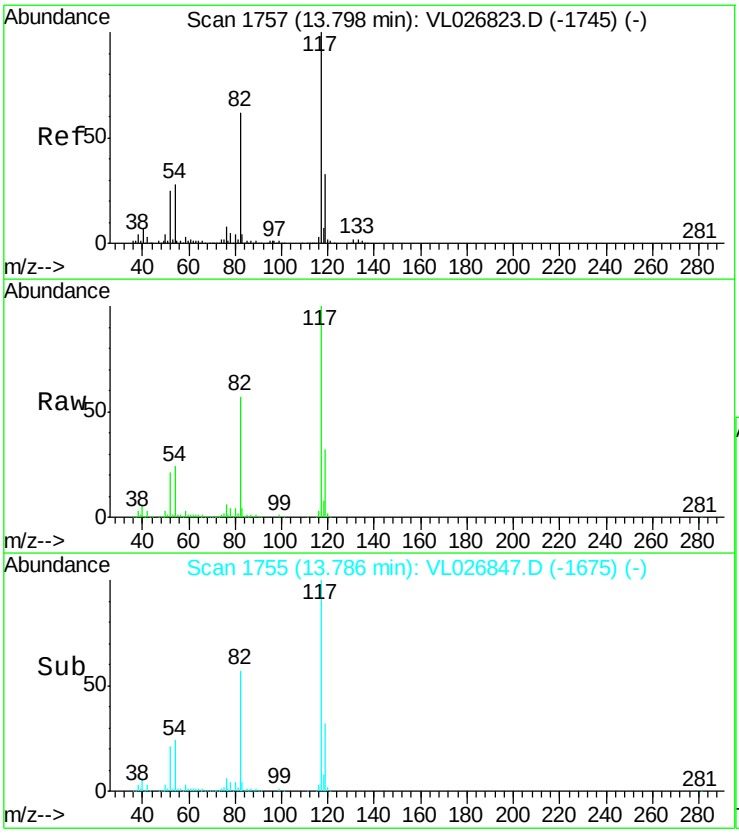
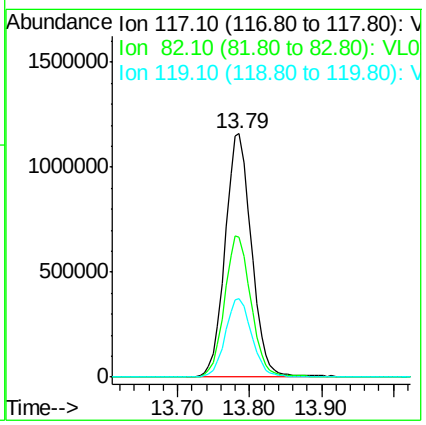


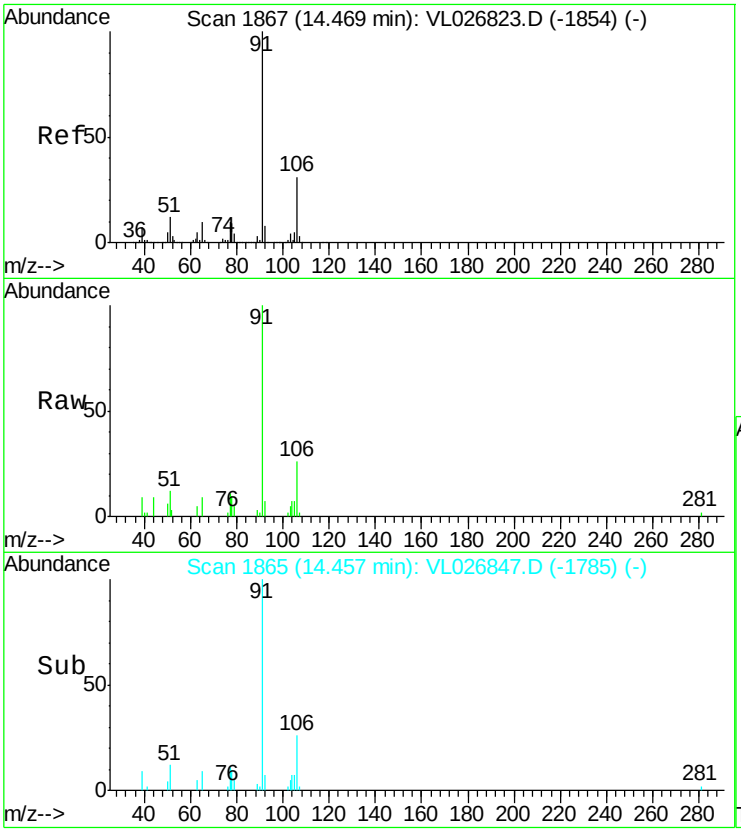


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion:117 Resp: 2966800

Ion	Ratio	Lower	Upper
117	100		
82	58.6	51.9	77.9
119	32.6	48.5	72.7#

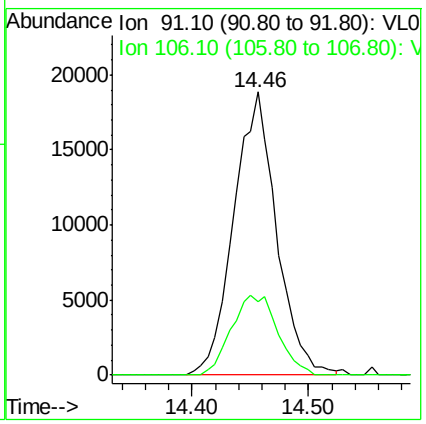




#58
Ethyl Benzene
Concen: 0.13 ppbv
RT: 14.46 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 91 Resp: 48090

Ion	Ratio	Lower	Upper
91	100		
106	26.1	24.9	37.3



Instrument :
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ClientSampleId :
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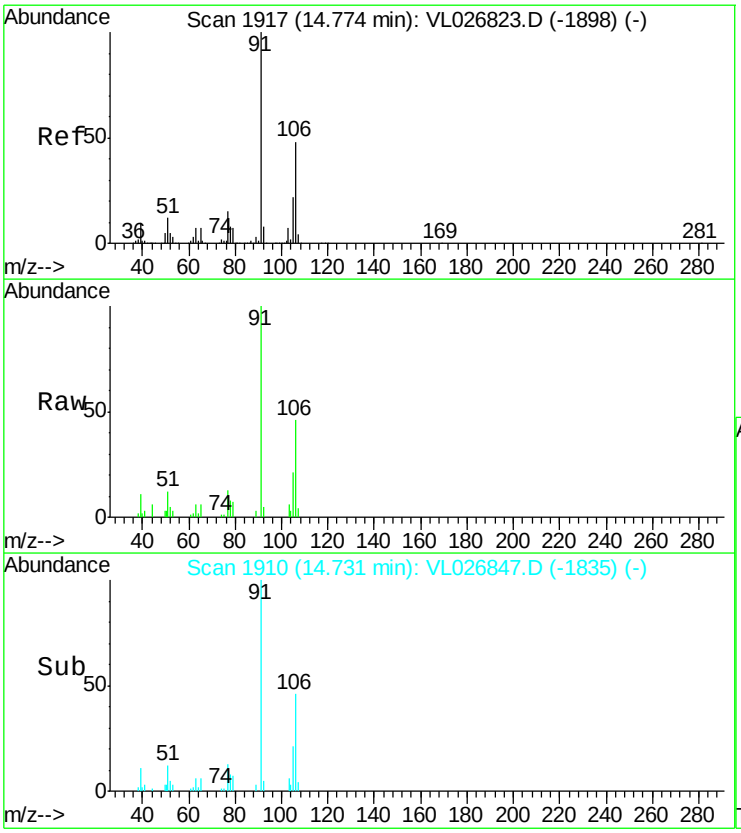
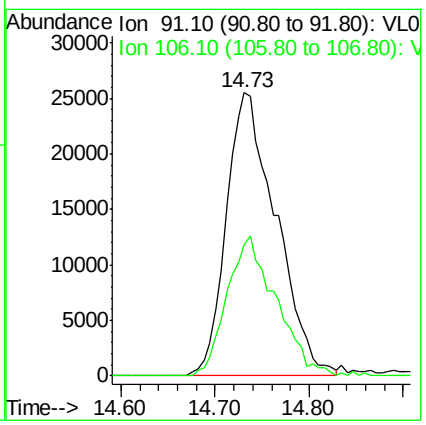
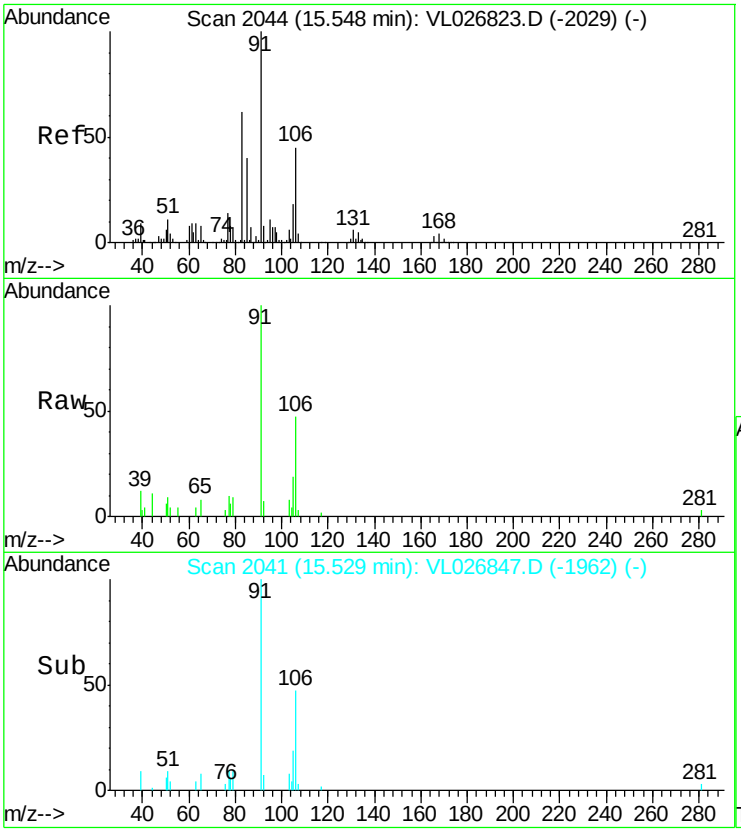


#59
m/p-Xylene
Concen: 0.31 ppbv
RT: 14.73 min Scan# 1910
Delta R.T. -0.04 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 91 Resp: 93919

Ion	Ratio	Lower	Upper
91	100		
106	48.8	38.2	57.2

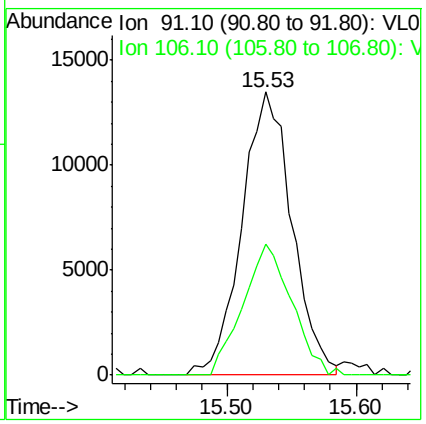




#60
o-Xylene
Concen: 0.11 ppbv
RT: 15.53 min Scan# 2041
Delta R.T. -0.02 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 91 Resp: 36467

Ion	Ratio	Lower	Upper
91	100		
106	45.0	22.3	66.8



Instrument :
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ClientSampleId :
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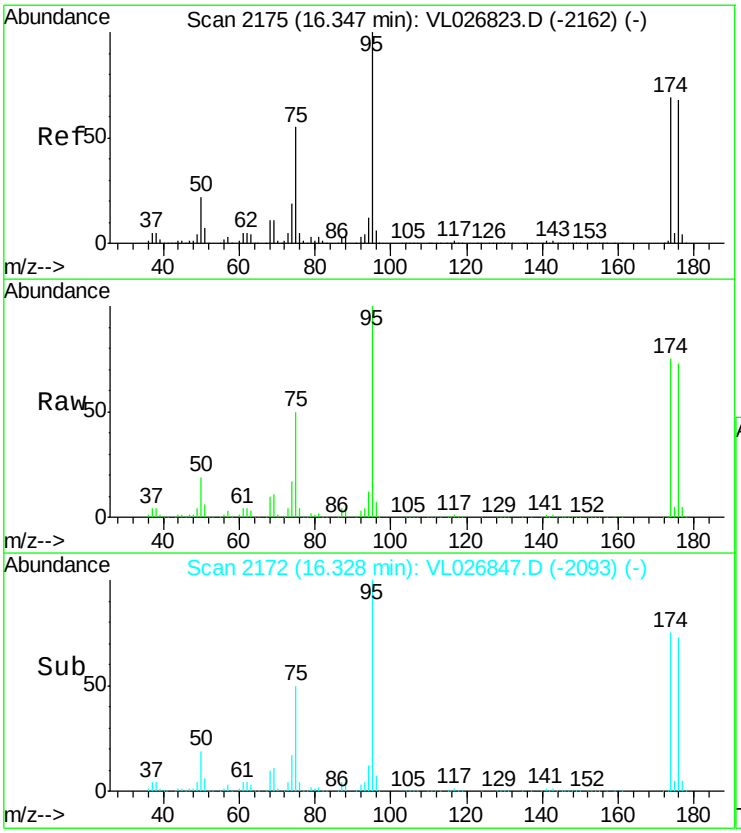
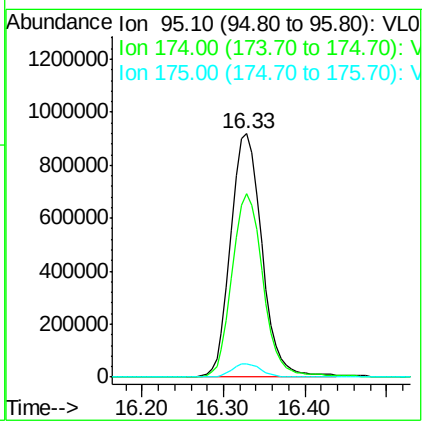
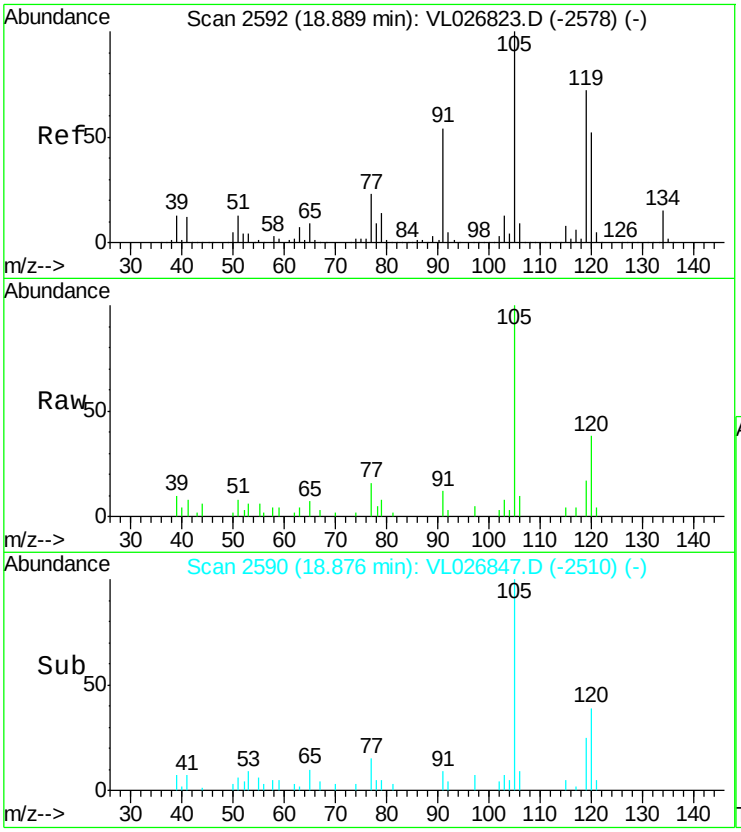


#68
1-Bromo-4-Fluorobenzene
Concen: 11.49 ppbv
RT: 16.33 min Scan# 2172
Delta R.T. -0.02 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion: 95 Resp: 2447653

Ion	Ratio	Lower	Upper
95	100		
174	75.7	55.6	83.4
175	5.3	3.9	5.9

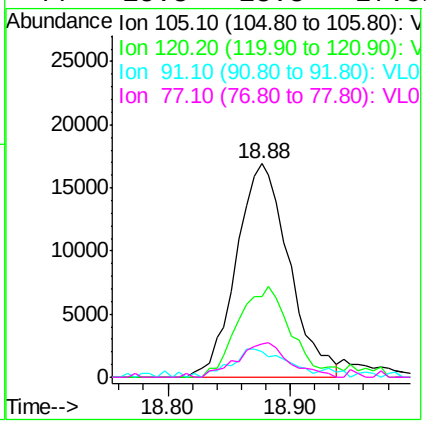




#74
1,2,4-Trimethylbenzene
Concen: 0.15 ppbv
RT: 18.88 min Scan# 2590
Delta R.T. -0.01 min
Lab File: VL026847.D
Acq: 10 Feb 2016 9:33

Tgt Ion:105 Resp: 50622

Ion	Ratio	Lower	Upper
105	100		
120	37.7	41.3	61.9#
91	11.9	43.3	64.9#
77	15.8	18.3	27.5#



Instrument :
MSVOA_L
ClientSampleId :
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