Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
Data File : VL036412.D
Acq On : 1 Mar 2021 13:26
Operator : SY/AP
Sample : M1463-04DL 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 02 03:02:02 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 1
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : NS-13DL

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1459971	10.00	ppbv	0.05
33) 1,4-Difluorobenzene	7.20	114	3242698	10.00	ppbv	0.05
55) Chlorobenzene-d5	12.12	117	2966462	10.00	ppbv	0.06
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2337426	9.58	ppbv	0.06
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	27185m	0.125	ppbv	
3) Chlorodifluoromethane	3.01	51	25550	0.141	ppbv #	86
4) Chloromethane	3.16	50	16167m	0.184	ppbv	
9) Propene	3.03	41	60774	0.899	ppbv	88
10) Heptane	8.16	43	28910	0.145	ppbv #	80
13) Ethanol	3.63	45	744133	58.577	ppbv	89
15) Acetone	3.87	43	457954	2.566	ppbv	96
19) Isopropyl Alcohol	4.00	45	691714	6.996	ppbv #	98
20) Methylene Chloride	4.37	84	1273962	22.126	ppbv	94
26) Hexane	5.71	57	445295	3.146	ppbv #	40
34) 2-Butanone	5.28	43	28264m	0.131	ppbv	
44) 2,2,4-Trimethylpentane	7.90	57	177649	0.355	ppbv #	84
53) Toluene	9.84	91	289089	0.969	ppbv	99
58) Ethyl Benzene	12.74	91	61628m	0.152	ppbv	
59) m/p-Xylene	13.01	91	158818m	0.445	ppbv	
60) o-Xylene	13.73	91	57884m	0.170	ppbv	

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
Data File : VL036412.D
Acq On : 1 Mar 2021 13:26
Operator : SY/AP
Sample : M1463-04DL 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 02 03:02:02 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
NS-13DL

Manual Integrations APPROVED
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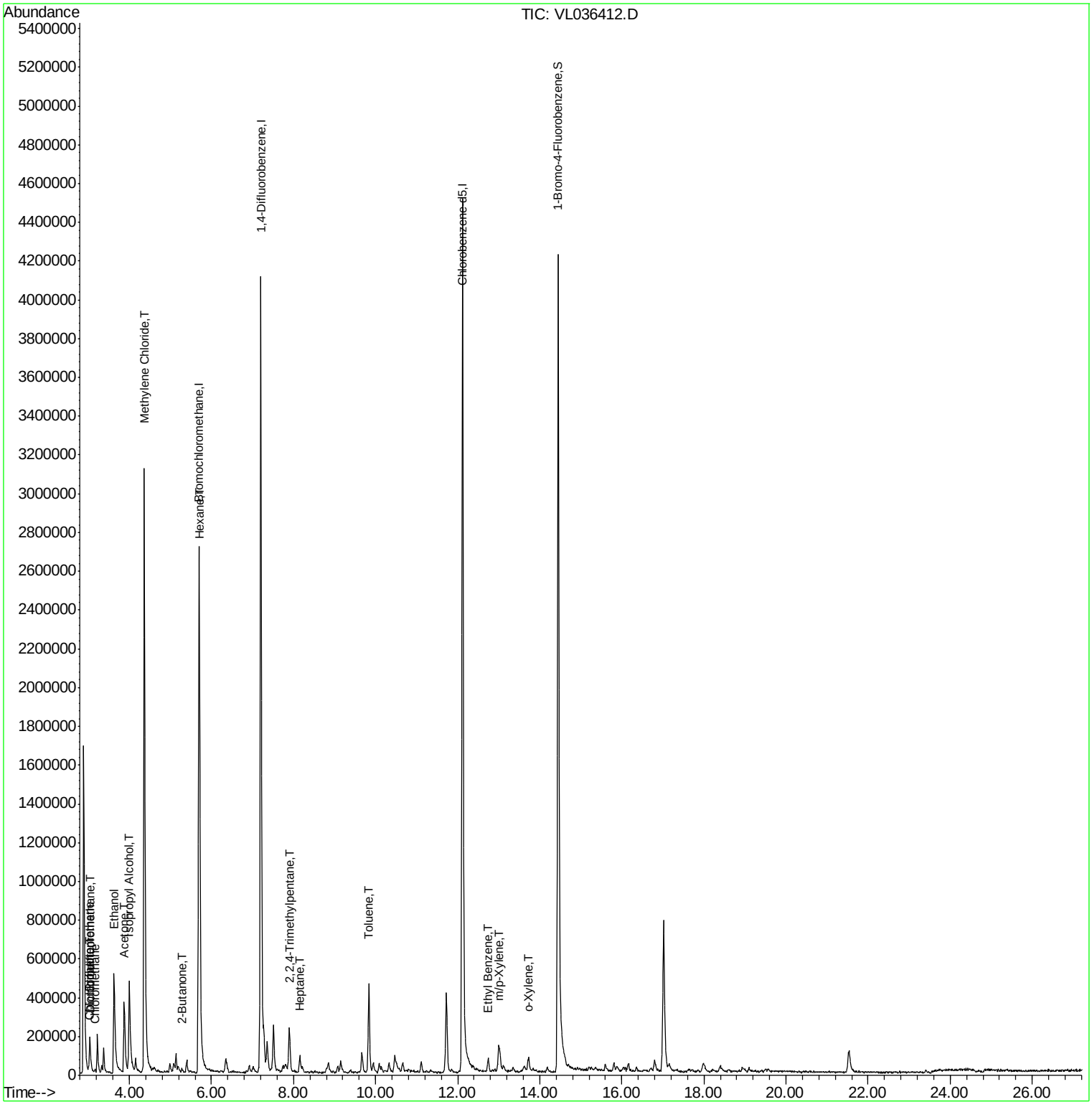
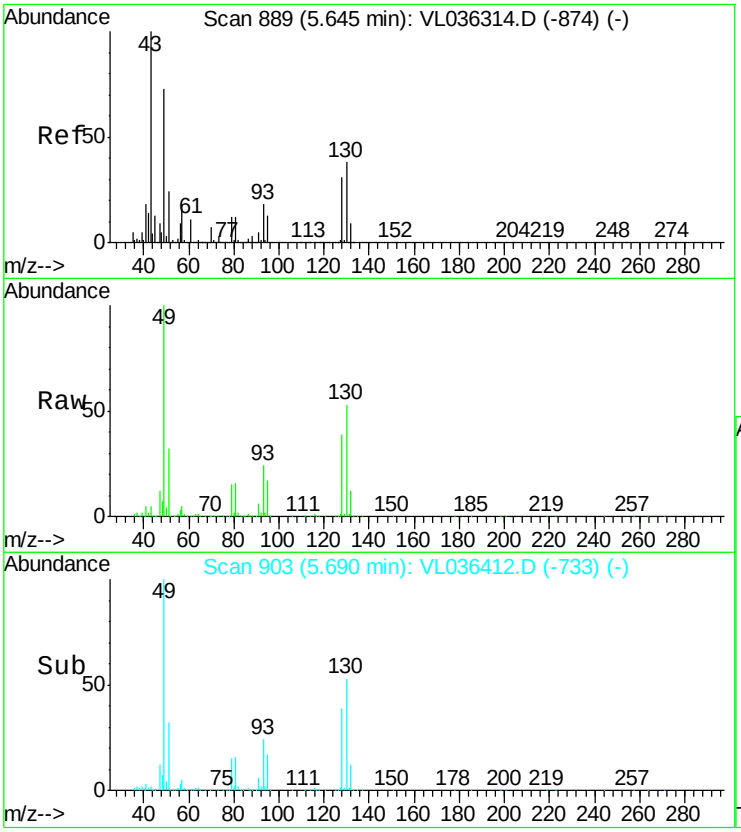
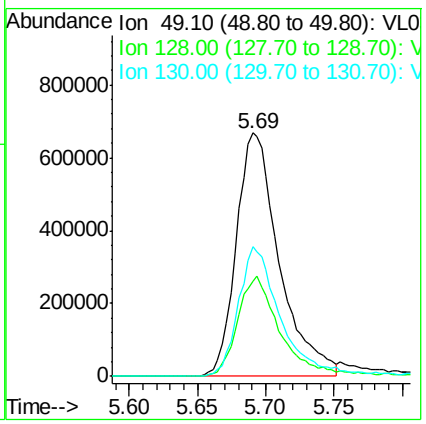




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.05 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 49 Resp: 1459971

Ion	Ratio	Lower	Upper
49	100		
128	41.8	20.8	62.5
130	54.7	26.7	80.1



Instrument :
MSVOA_L
ClientSampleId :
NS-13DL

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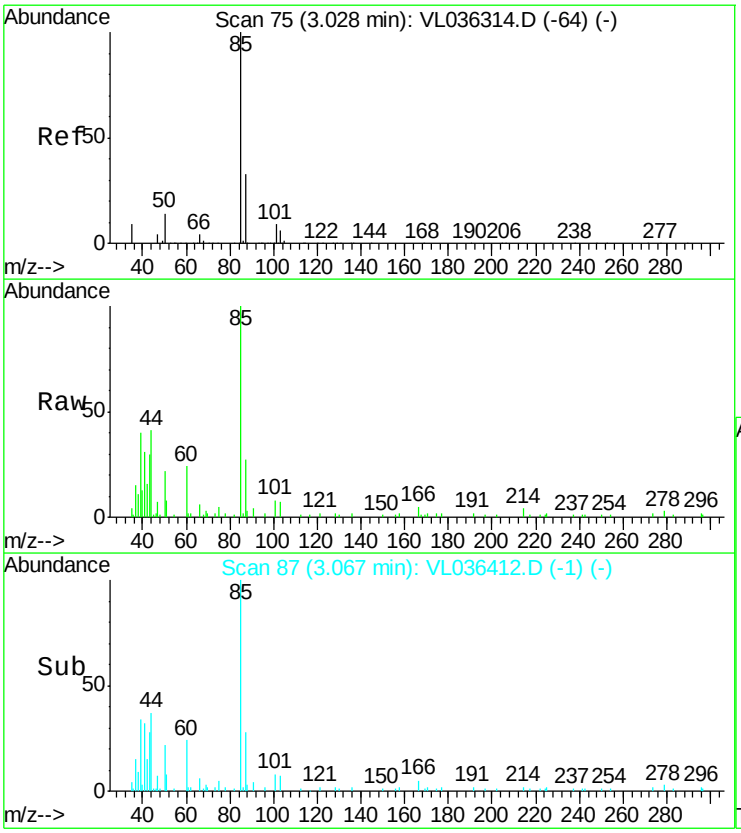
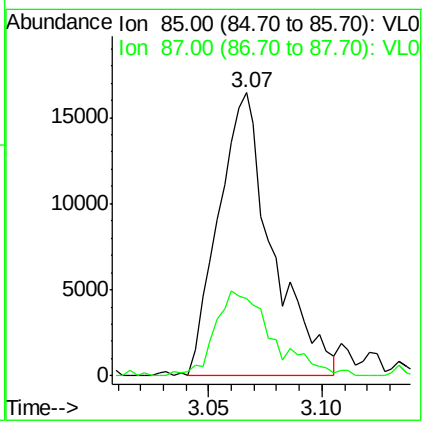
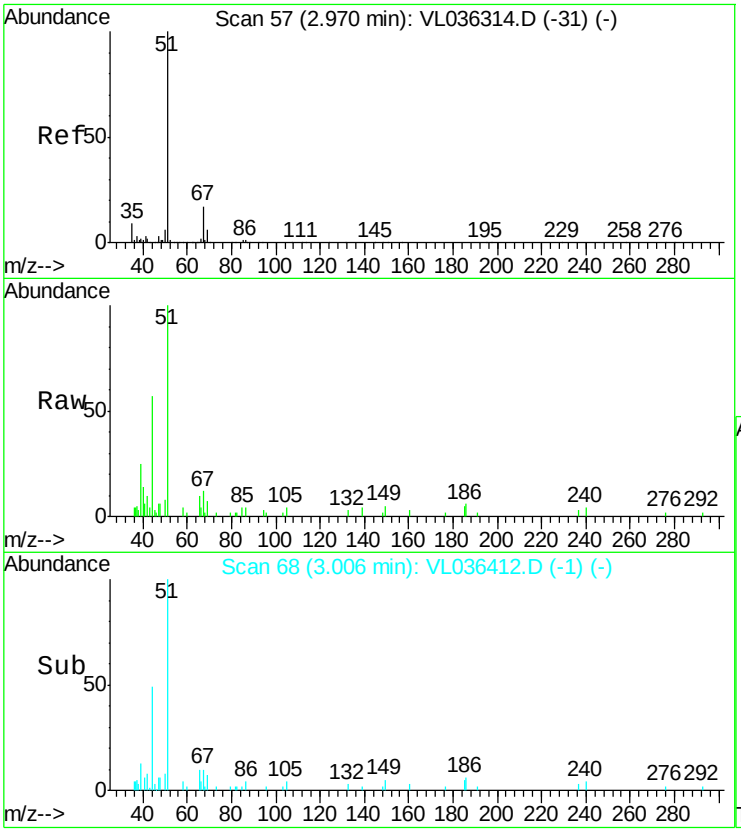


#2
Dichlorodifluoromethane
Concen: 0.125 ppbv m
RT: 3.07 min Scan# 87
Delta R.T. 0.04 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 85 Resp: 27185

Ion	Ratio	Lower	Upper
85	100		
87	27.3	26.5	39.7





#3
Chlorodifluoromethane
Concen: 0.141 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.04 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 51 Resp: 25550

Ion	Ratio	Lower	Upper
51	100		
67	12.1	14.7	22.1#

Instrument :
MSVOA_L
ClientSampleId :
NS-13DL

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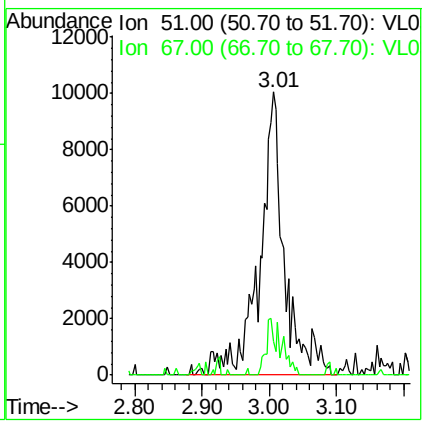
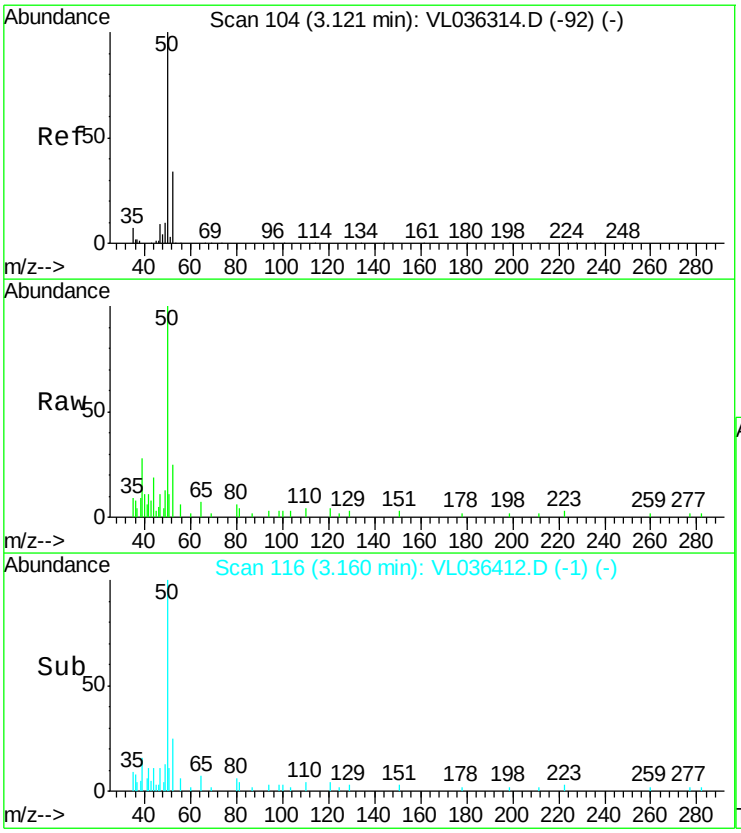
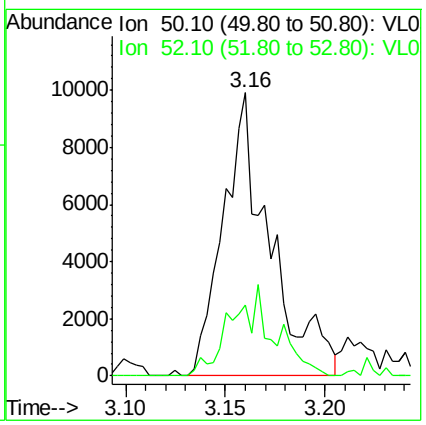


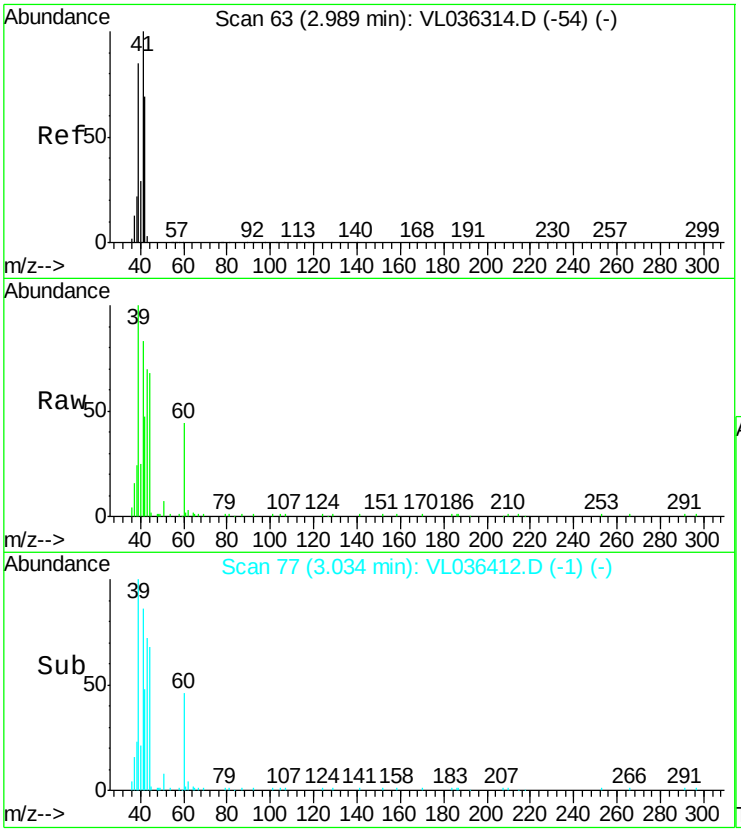


#4
Chloromethane
Concen: 0.184 ppbv m
RT: 3.16 min Scan# 116
Delta R.T. 0.04 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 50 Resp: 16167

Ion	Ratio	Lower	Upper
50	100		
52	25.1	27.0	40.4#

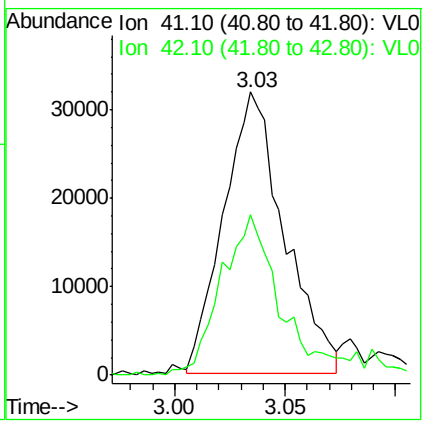




#9
Propene
Concen: 0.899 ppbv
RT: 3.03 min Scan# 77
Delta R.T. 0.05 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 41 Resp: 60774

Ion	Ratio	Lower	Upper
41	100		
42	60.2	56.2	84.2



Instrument :
MSVOA_L
ClientSampleId :
NS-13DL

Manual Integrations APPROVED
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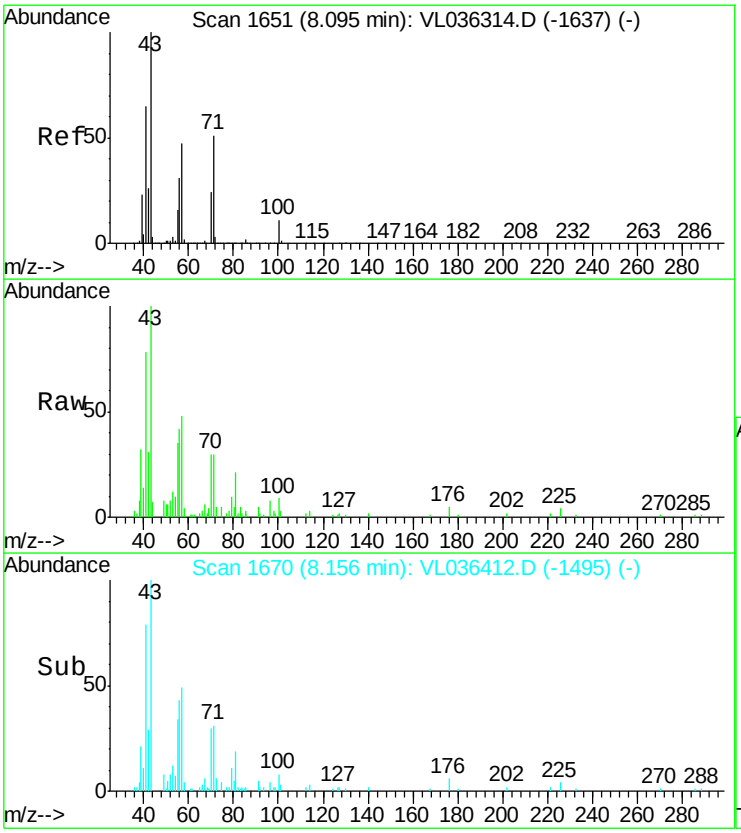
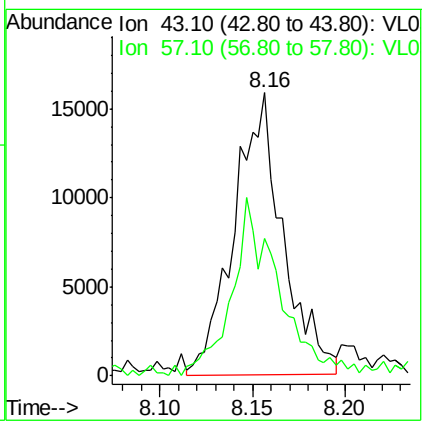
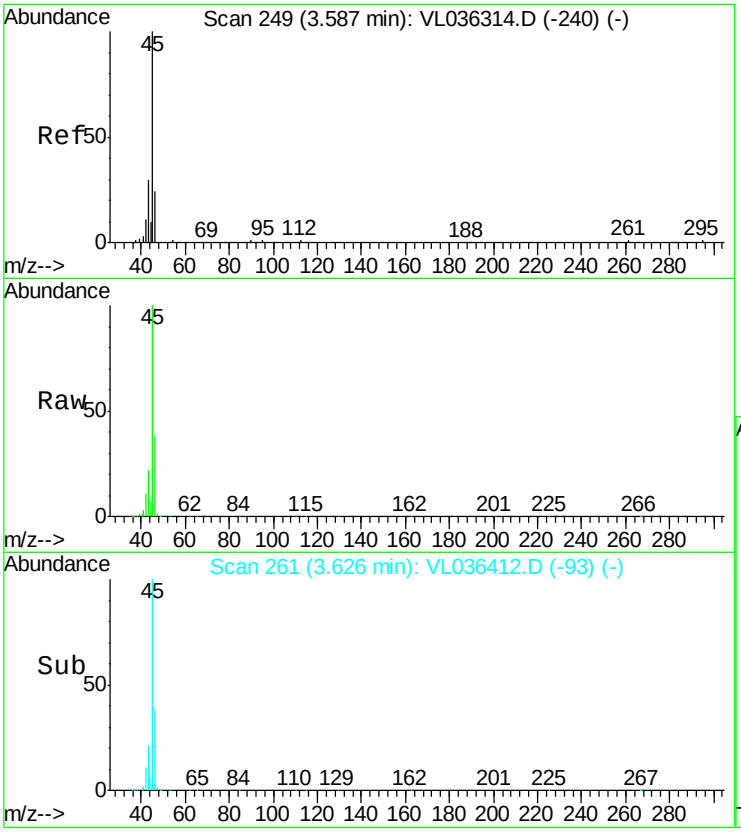


#10
Heptane
Concen: 0.145 ppbv
RT: 8.16 min Scan# 1670
Delta R.T. 0.06 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 43 Resp: 28910

Ion	Ratio	Lower	Upper
43	100		
57	63.3	39.4	59.2#

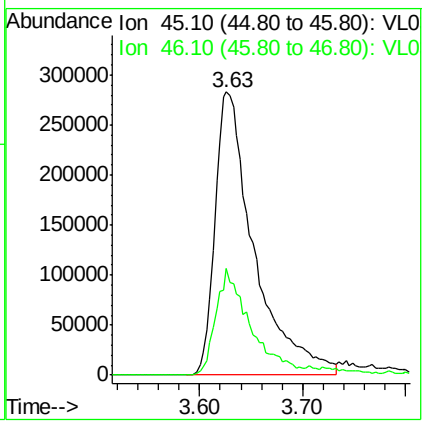




#13
Ethanol
Concen: 58.577 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.04 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 45 Resp: 744133

Ion	Ratio	Lower	Upper
45	100		
46	37.3	17.7	70.7



Instrument :
MSVOA_L
ClientSampleId :
NS-13DL

Manual Integrations APPROVED
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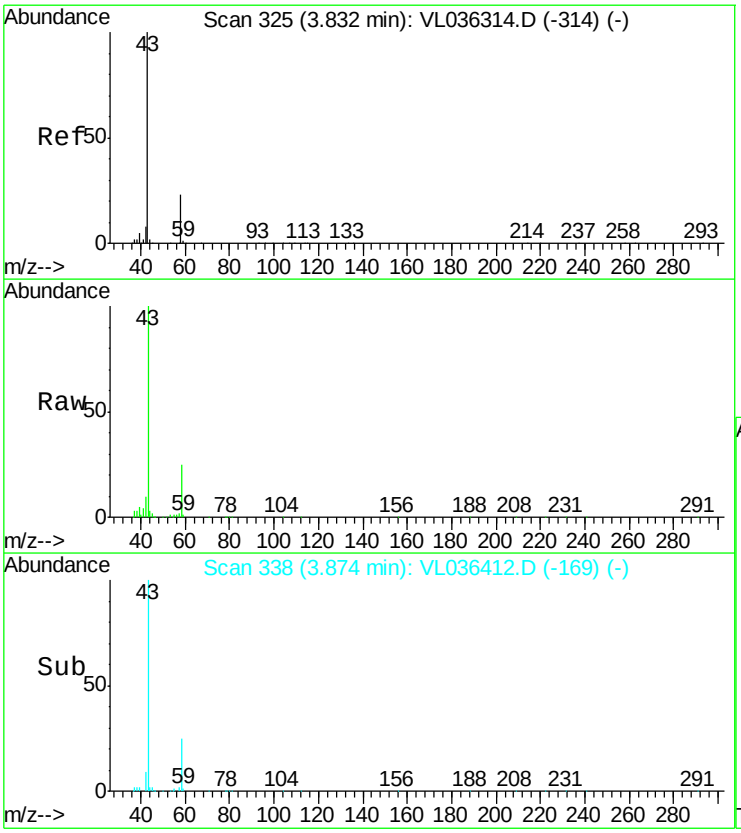
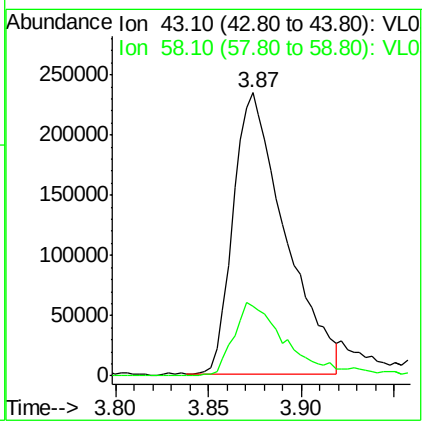
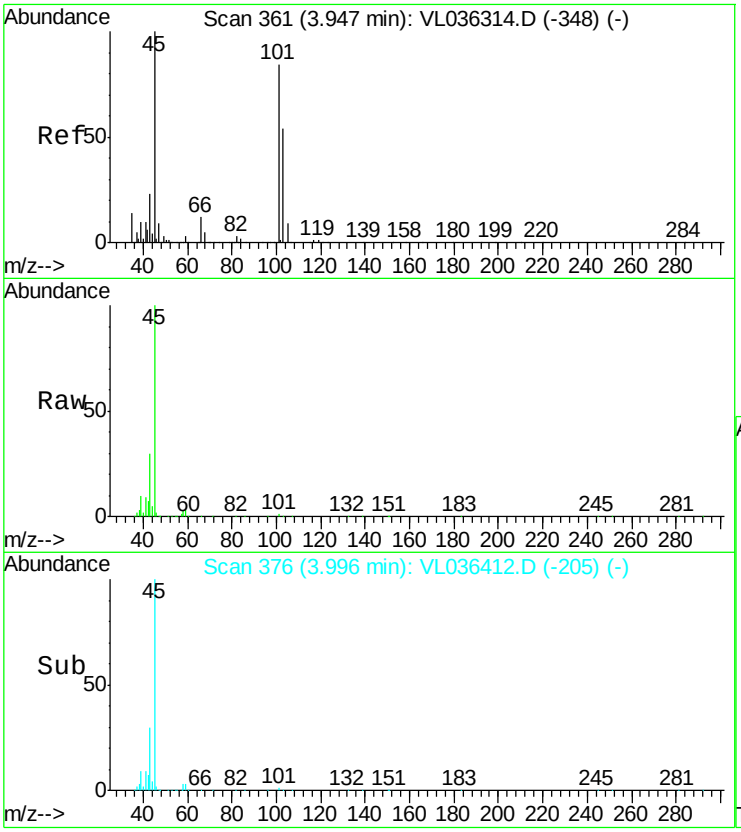


#15
Acetone
Concen: 2.566 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.04 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 43 Resp: 457954

Ion	Ratio	Lower	Upper
43	100		
58	27.3	20.3	30.5

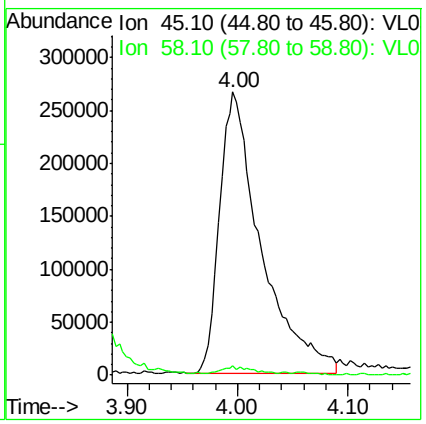




#19
Isopropyl Alcohol
Concen: 6.996 ppbv
RT: 4.00 min Scan# 376
Delta R.T. 0.05 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 45 Resp: 691714

Ion	Ratio	Lower	Upper
45	100		
58	3.0	1.9	2.9#



Instrument :
MSVOA_L
ClientSampleId :
NS-13DL

Manual Integrations APPROVED
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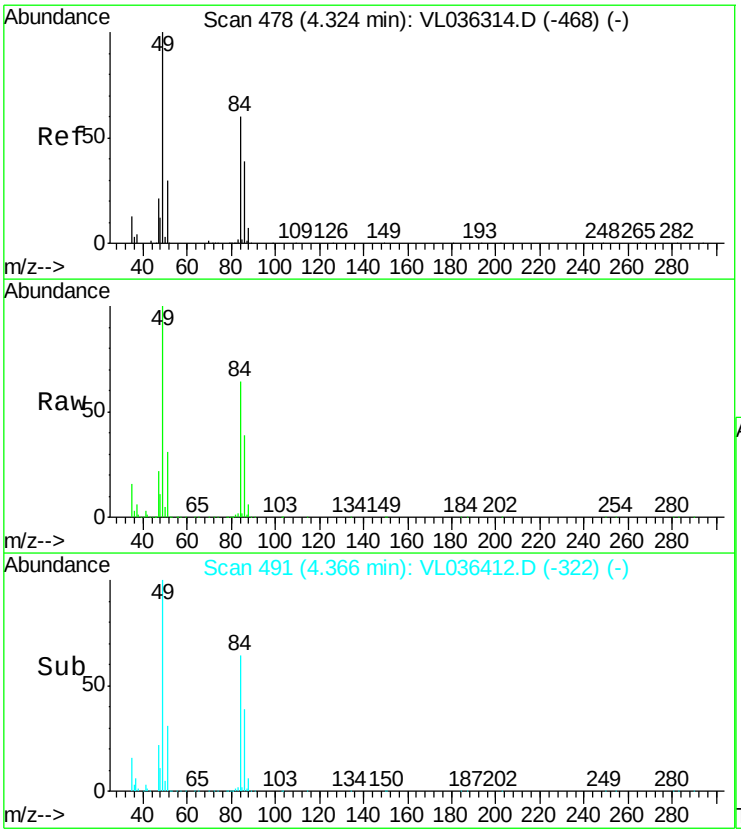
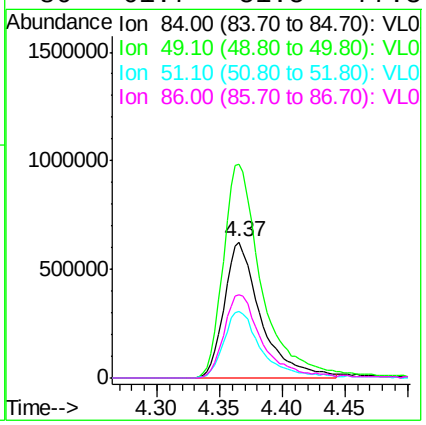
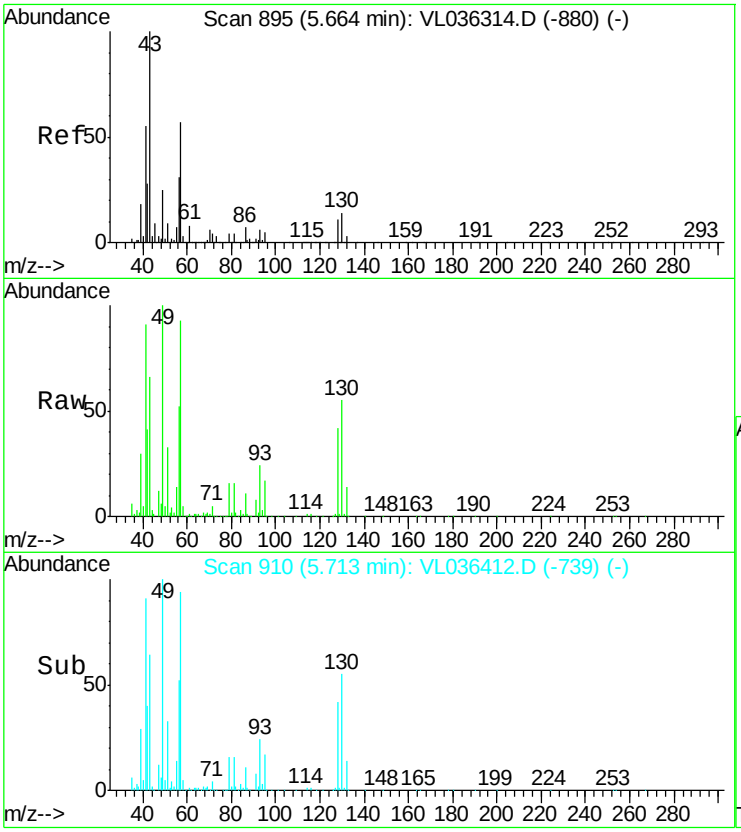


#20
Methylene Chloride
Concen: 22.126 ppbv
RT: 4.37 min Scan# 491
Delta R.T. 0.04 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 84 Resp: 1273962

Ion	Ratio	Lower	Upper
84	100		
49	157.3	133.8	200.8
51	49.1	41.4	62.0
86	61.7	51.5	77.3

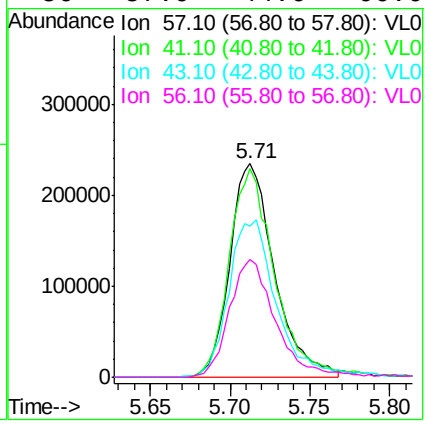




#26
Hexane
Concen: 3.146 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.05 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 57 Resp: 445295

Ion	Ratio	Lower	Upper
57	100		
41	101.7	81.7	122.5
43	80.5	199.1	298.7#
56	57.9	44.0	66.0



Instrument :
MSVOA_L
ClientSampleId :
NS-13DL

Manual Integrations APPROVED
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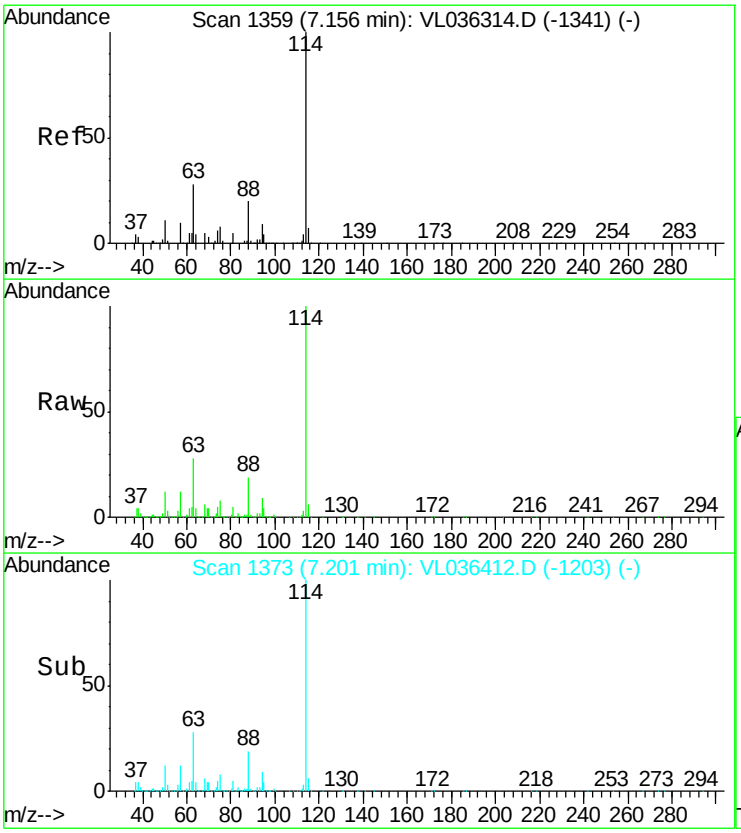
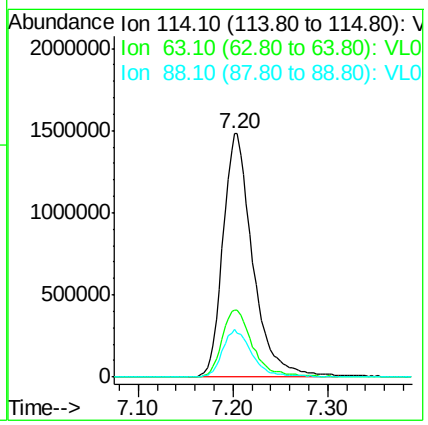
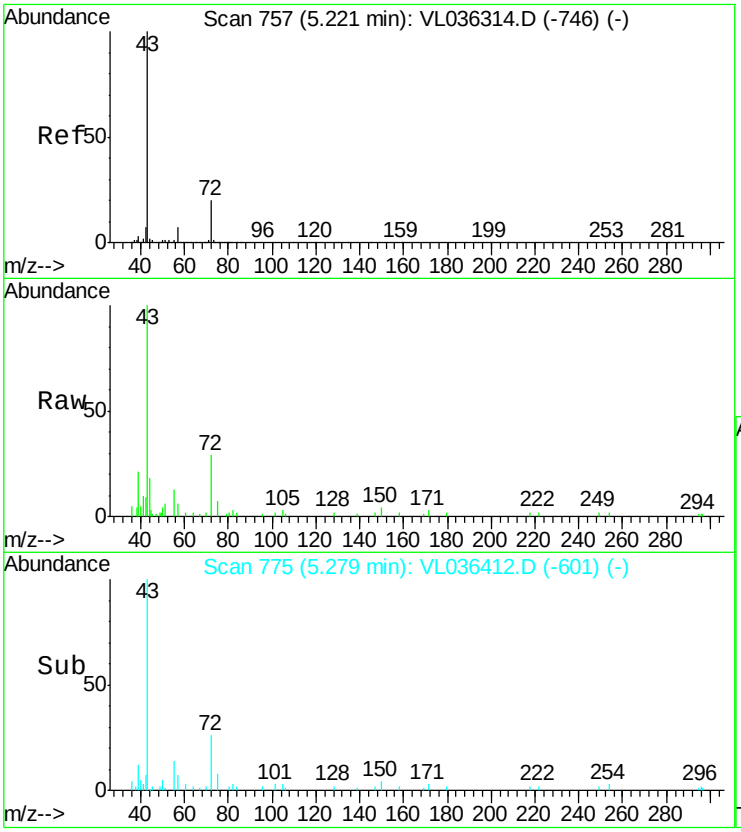


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1373
Delta R.T. 0.05 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion:114 Resp: 3242698

Ion	Ratio	Lower	Upper
114	100		
63	28.5	24.1	36.1
88	19.5	16.0	24.0

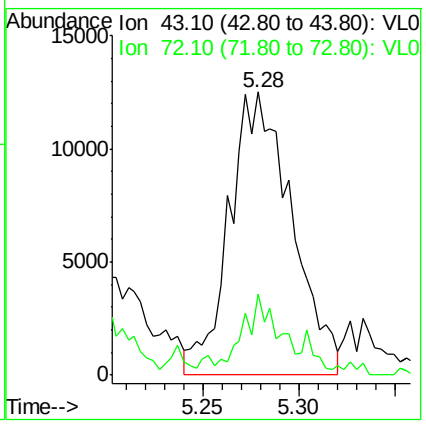




#34
2-Butanone
Concen: 0.131 ppbv m
RT: 5.28 min Scan# 775
Delta R.T. 0.06 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 43 Resp: 28264

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.7	25.1#



Instrument :
MSVOA_L
ClientSampleId :
NS-13DL

Manual Integrations APPROVED
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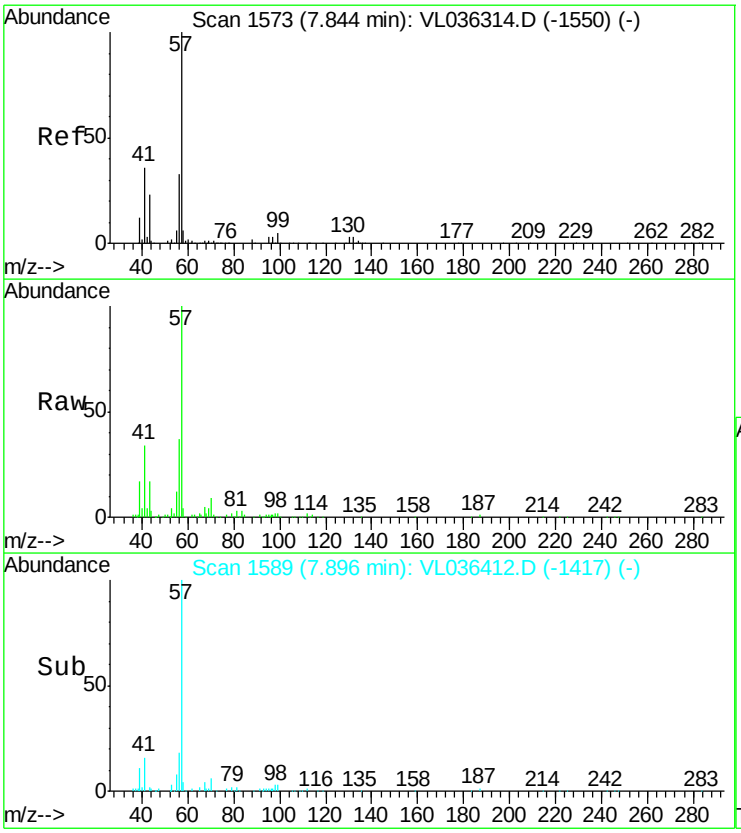
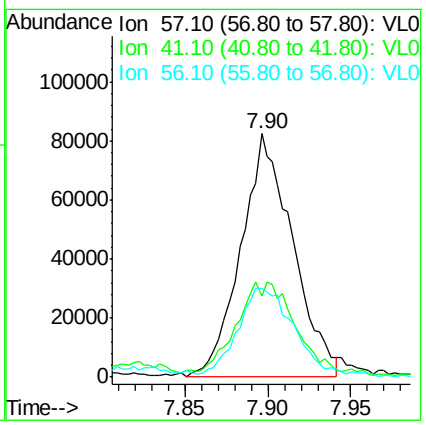
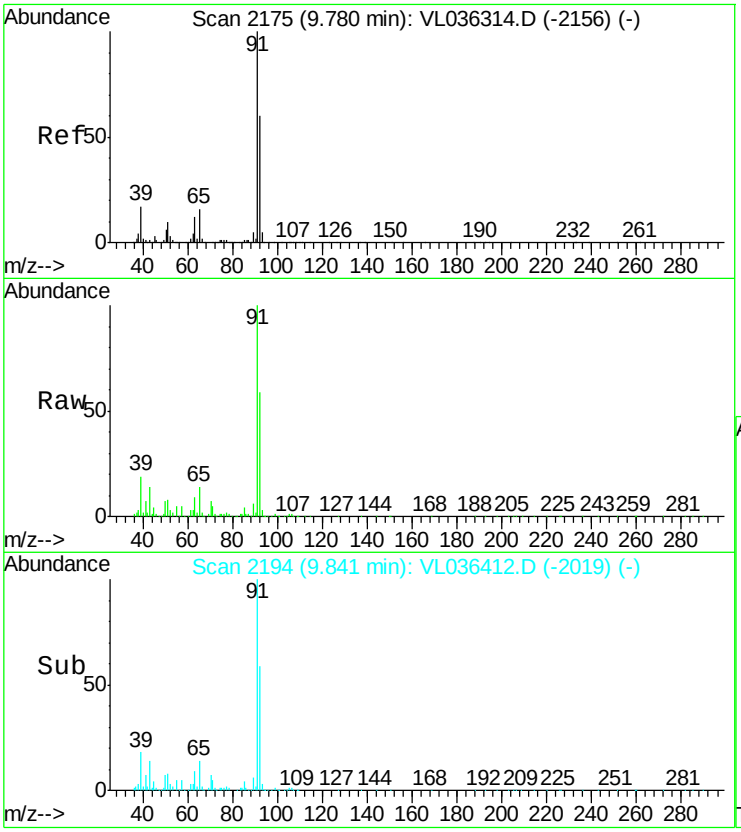


#44
2,2,4-Trimethylpentane
Concen: 0.355 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. 0.05 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 57 Resp: 177649

Ion	Ratio	Lower	Upper
57	100		
41	45.8	28.8	43.2#
56	41.2	25.8	38.6#





#53
Toluene
Concen: 0.969 ppbv
RT: 9.84 min Scan# 2194
Delta R.T. 0.06 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 91 Resp: 289089

Ion	Ratio	Lower	Upper
91	100		
92	61.5	48.6	72.8

Instrument :
MSVOA_L
ClientSampleId :
NS-13DL

Manual Integrations APPROVED
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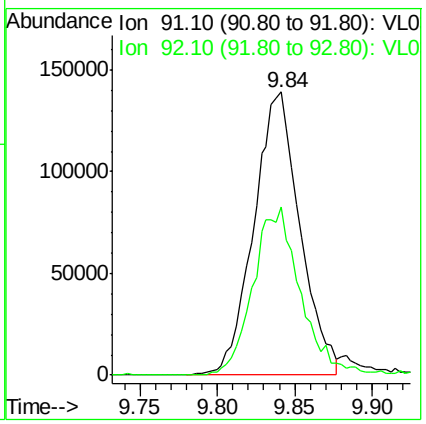
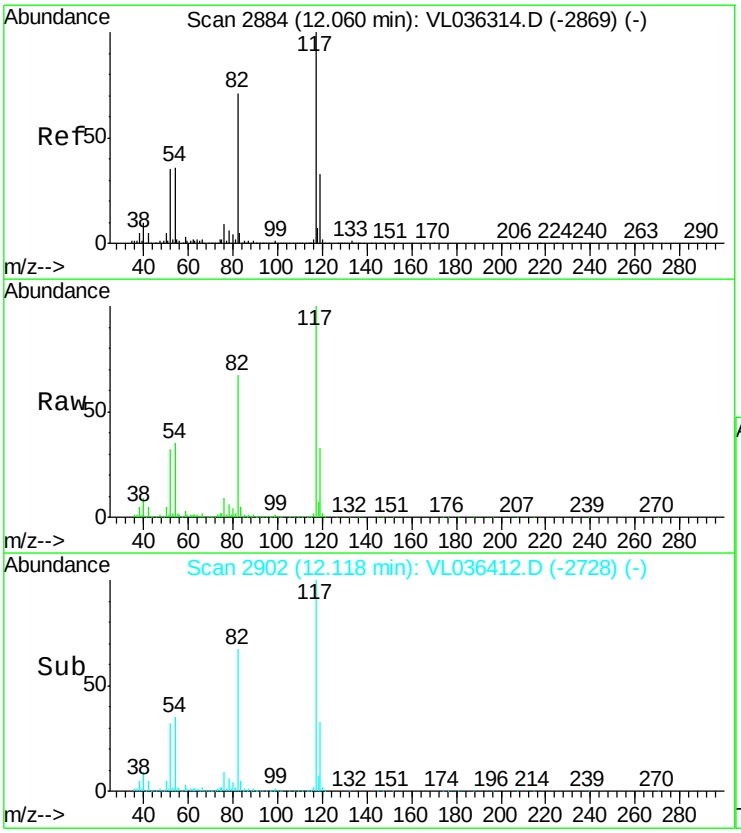
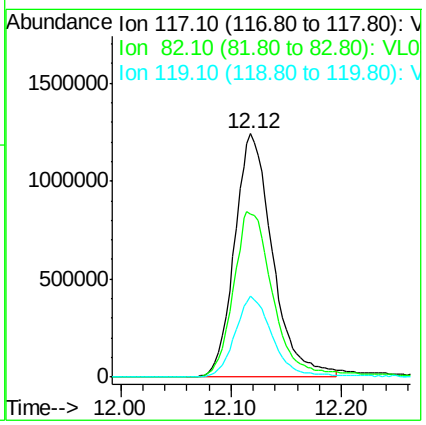


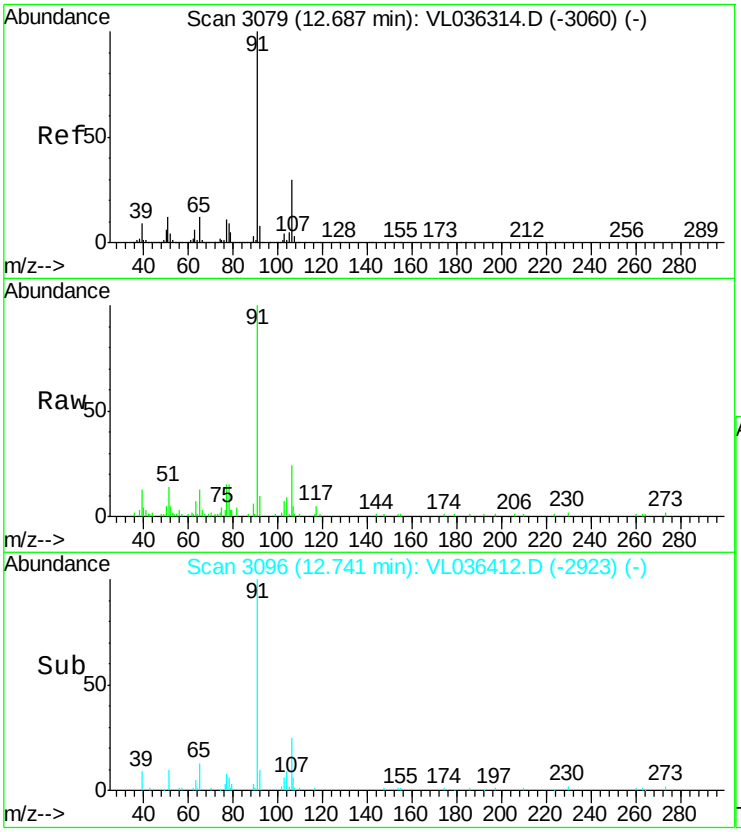


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.06 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion:117 Resp: 2966462

Ion	Ratio	Lower	Upper
117	100		
82	73.0	59.1	88.7
119	33.7	46.3	69.5#

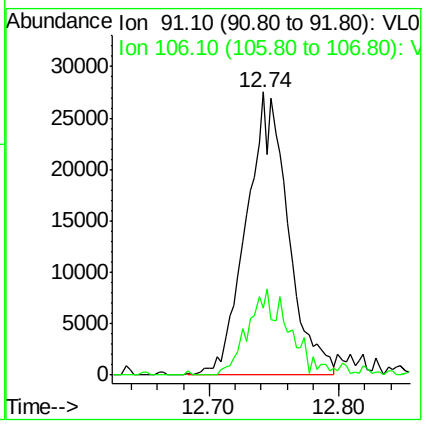




#58
Ethyl Benzene
Concen: 0.152 ppbv m
RT: 12.74 min Scan# 3096
Delta R.T. 0.05 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

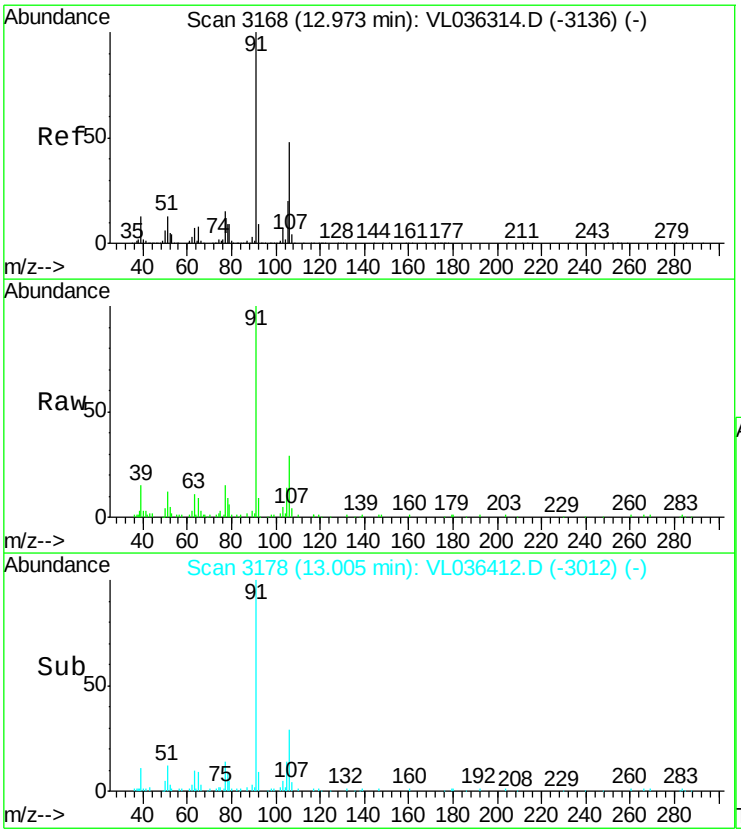
Tgt Ion: 91 Resp: 61628

Ion	Ratio	Lower	Upper
91	100		
106	23.8	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
NS-13DL

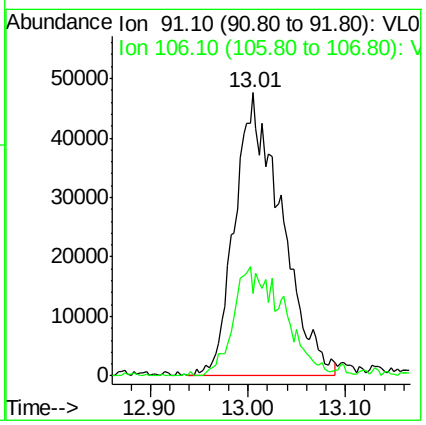
Manual Integrations APPROVED
MMDadoda
3/2/2021 3:30:05 PM

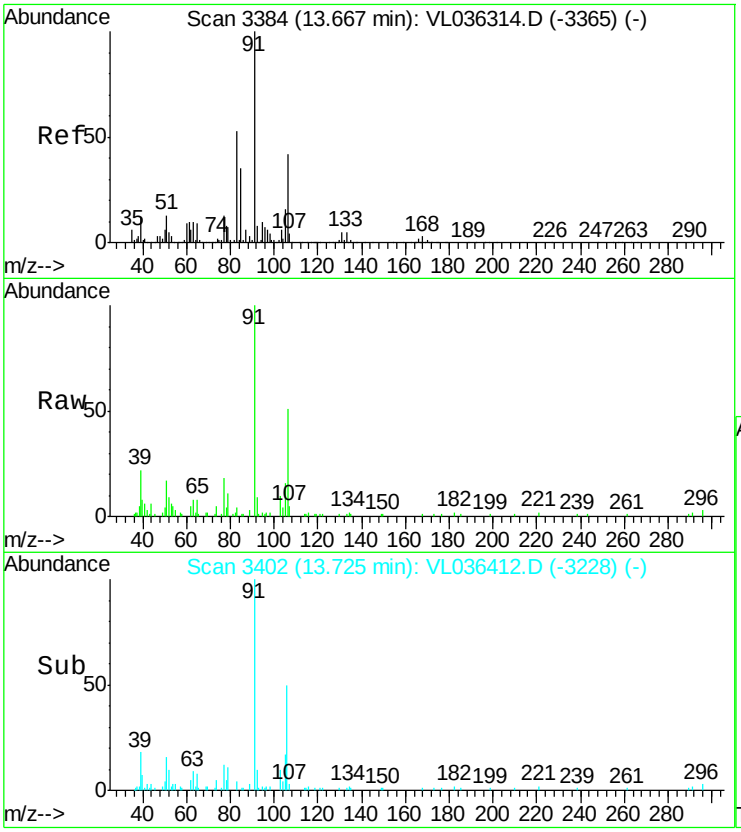


#59
m/p-Xylene
Concen: 0.445 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. 0.03 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 91 Resp: 158818

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.2	51.2#





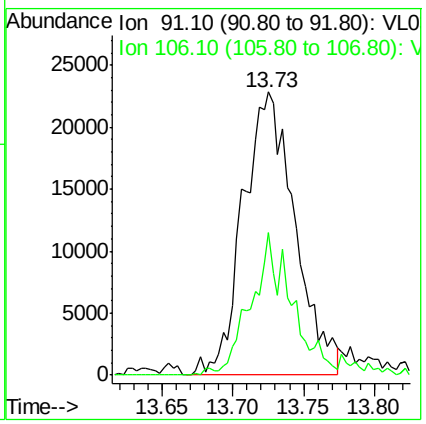
#60
o-Xylene
Concen: 0.170 ppbv m
RT: 13.73 min Scan# 3402
Delta R.T. 0.06 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

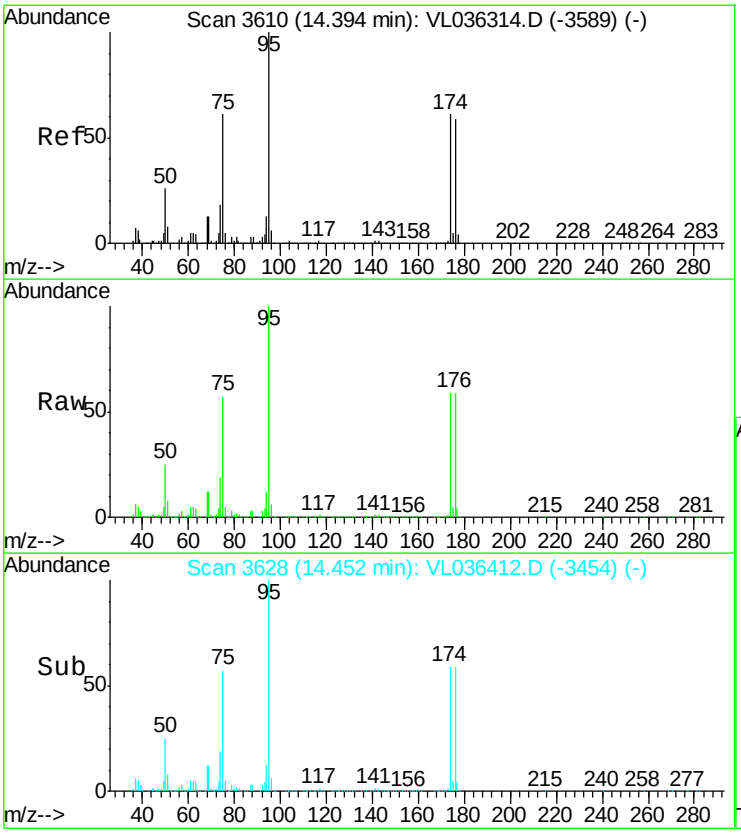
Tgt Ion: 91 Resp: 57884

Ion	Ratio	Lower	Upper
91	100		
106	43.1	22.0	66.0

Instrument :
MSVOA_L
ClientSampleId :
NS-13DL

Manual Integrations APPROVED
MMDadoda
3/2/2021 3:30:05 PM





#68
1-Bromo-4-Fluorobenzene
Concen: 9.577 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. 0.06 min
Lab File: VL036412.D
Acq: 1 Mar 2021 13:26

Tgt Ion: 95 Resp: 2337426

Ion	Ratio	Lower	Upper
95	100		
174	64.9	49.8	74.6
175	4.6	3.7	5.5