Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\
Data File : VL032677.D
Acq On : 19 Oct 2018 10:20
Operator : SY/AP
Sample : J5581-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-5

Manual Integrations APPROVED
MMDadoda
10/24/2018 12:06:29 PM

Quant Time: Oct 19 23:34:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 1
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1470070	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	3380046	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3304175	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2458915	9.99	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	64909	0.433	ppbv		95
3) Chlorodifluoromethane	3.02	51	421676	3.668	ppbv	#	90
4) Chloromethane	3.18	50	31642	0.493	ppbv		89
9) Propene	3.06	41	38166	0.807	ppbv	#	76
10) Heptane	8.26	43	53887	0.296	ppbv		98
11) Trichlorofluoromethane	4.02	101	43571	0.223	ppbv		93
13) Ethanol	3.67	45	1645608	121.694	ppbv		97
15) Acetone	3.91	43	1115429	8.217	ppbv		99
19) Isopropyl Alcohol	4.04	45	1421957	14.709	ppbv	#	97
20) Methylene Chloride	4.42	84	95554	1.387	ppbv		97
26) Hexane	5.79	57	398232	2.694	ppbv	#	54
34) 2-Butanone	5.35	43	131101	0.724	ppbv		99
35) Carbon Tetrachloride	7.15	117	18703	0.078	ppbv		95
36) Benzene	7.02	78	44213	0.161	ppbv		97
53) Toluene	9.96	91	2105201	6.691	ppbv		98
59) m/p-Xylene	13.14	91	53177m	0.156	ppbv		
74) 1,2,4-Trimethylbenzene	16.95	105	75349m	0.206	ppbv		

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

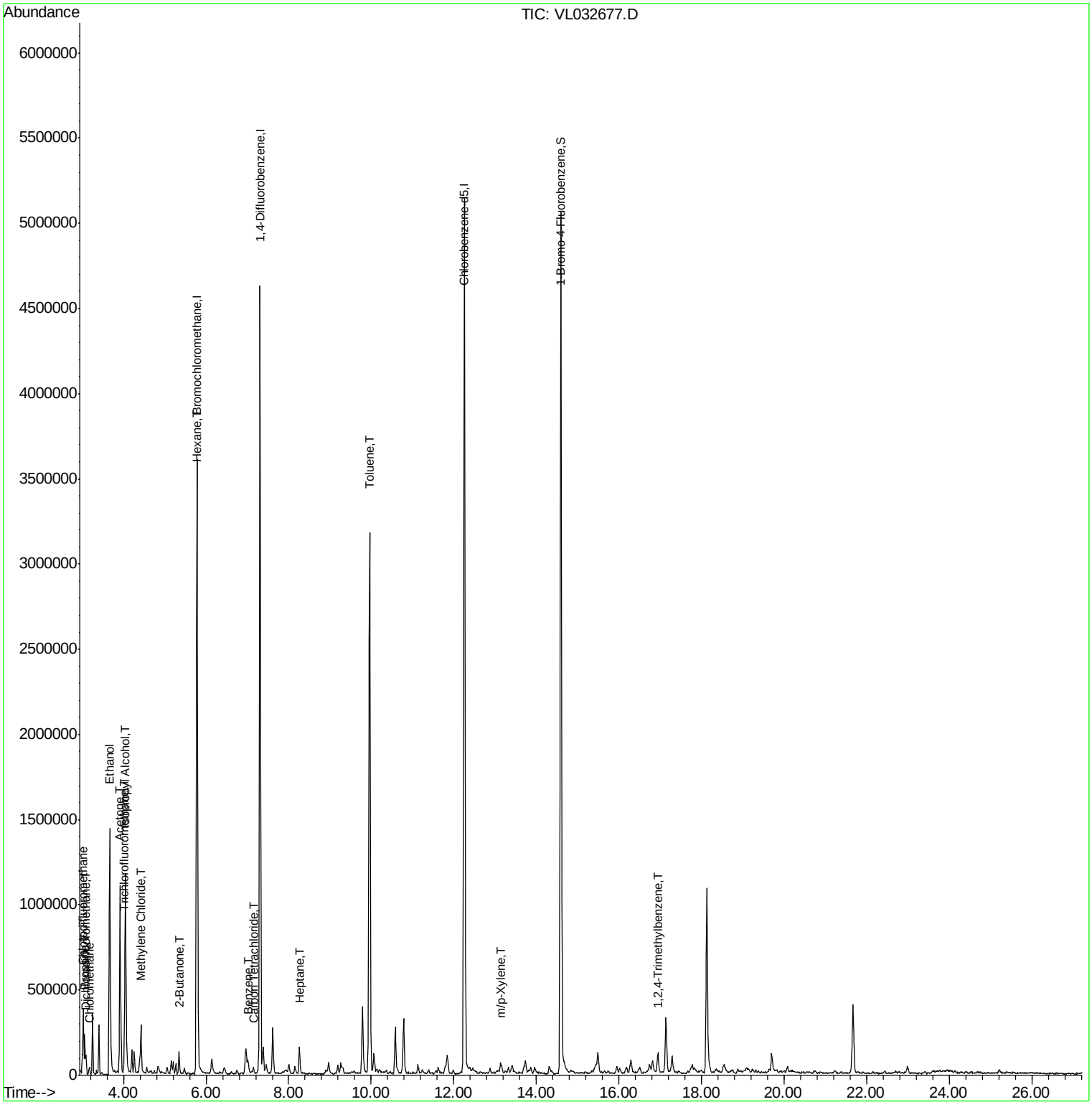
Quantitation Report (QT Reviewed)

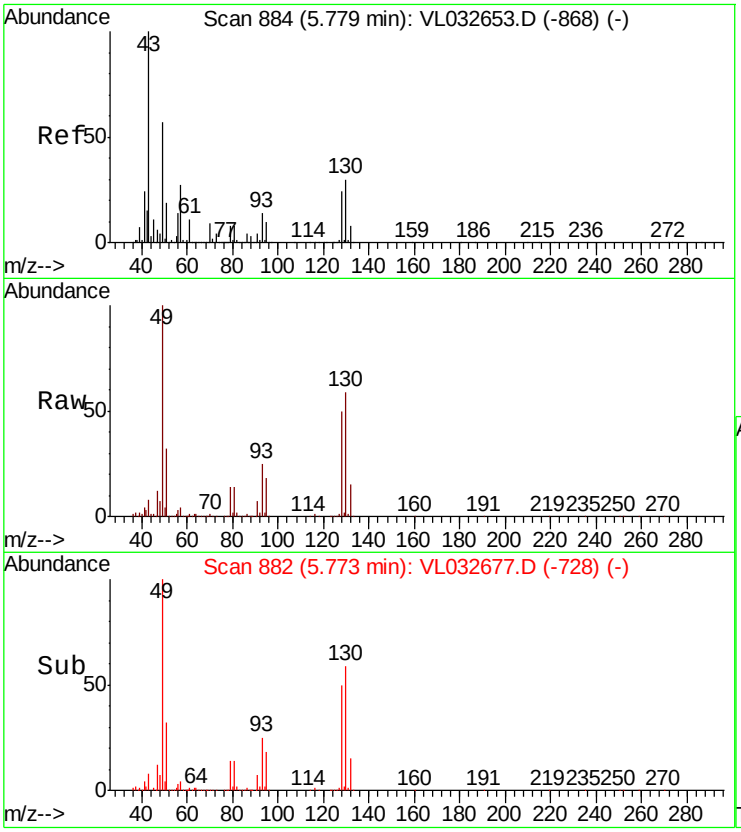
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\
Data File : VL032677.D
Acq On : 19 Oct 2018 10:20
Operator : SY/AP
Sample : J5581-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 19 23:34:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
A-5

Manual Integrations APPROVED
MMDadoda
10/24/2018 12:06:29 PM

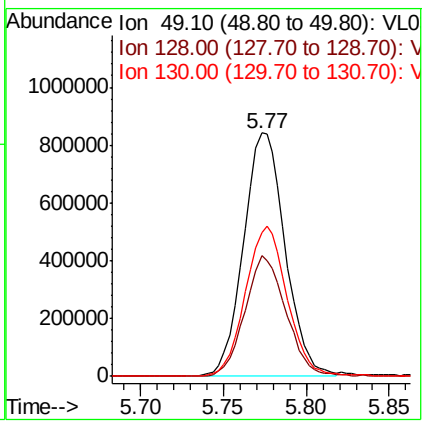




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

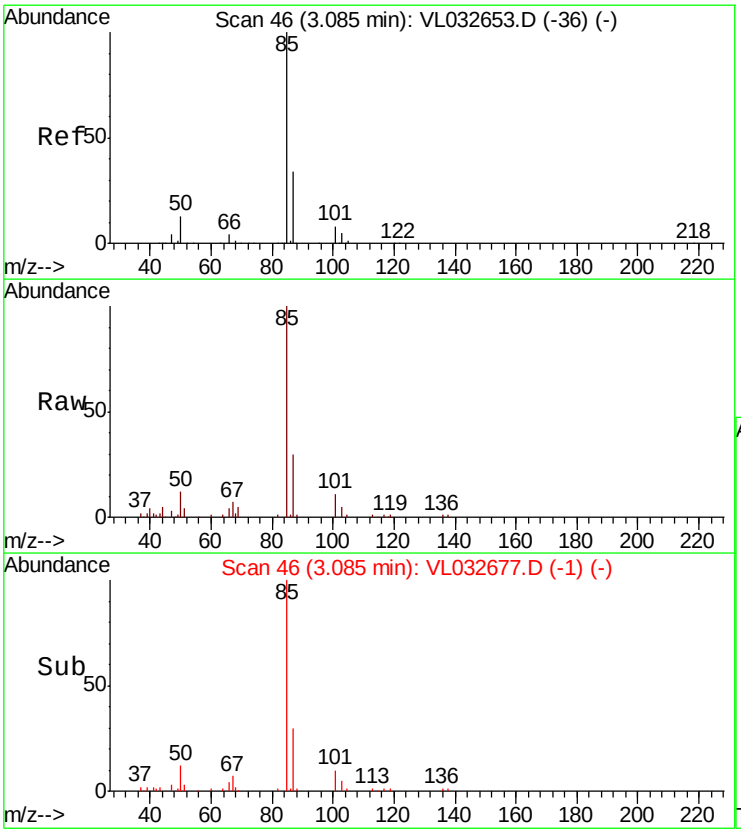
Tgt Ion: 49 Resp: 1470070

Ion	Ratio	Lower	Upper
49	100		
128	49.2	22.3	66.8
130	62.7	28.4	85.3



Instrument :
MSVOA_L
ClientSampleId :
A-5

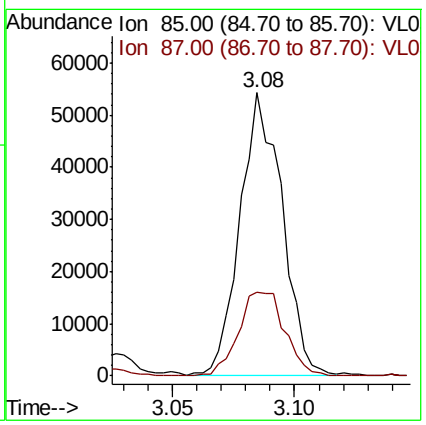
Manual Integrations APPROVED
MMDadoda
10/24/2018 12:06:29 PM

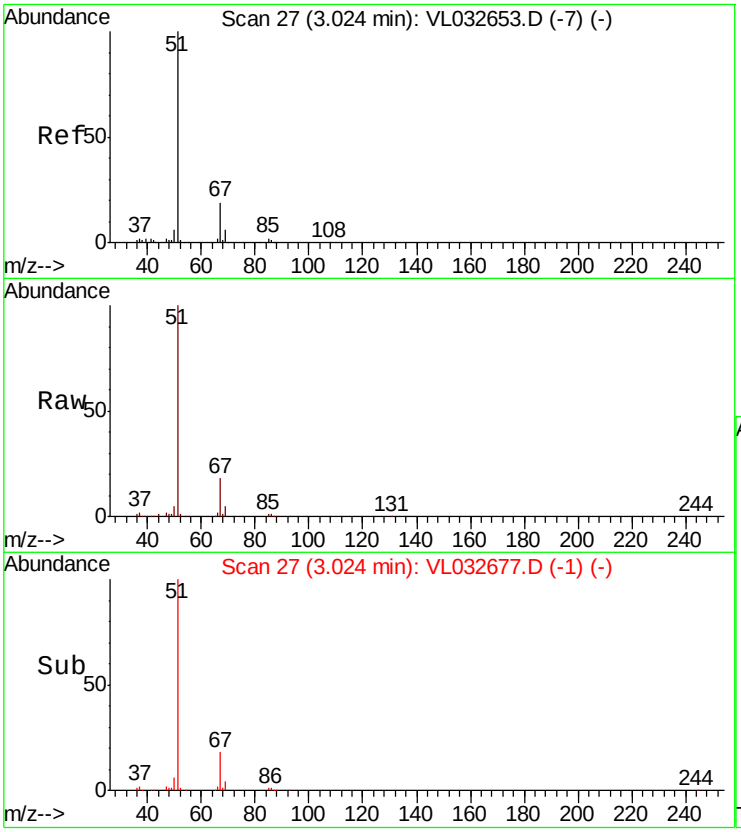


#2
Dichlorodifluoromethane
Concen: 0.433 ppbv
RT: 3.08 min Scan# 46
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion: 85 Resp: 64909

Ion	Ratio	Lower	Upper
85	100		
87	29.7	26.2	39.2





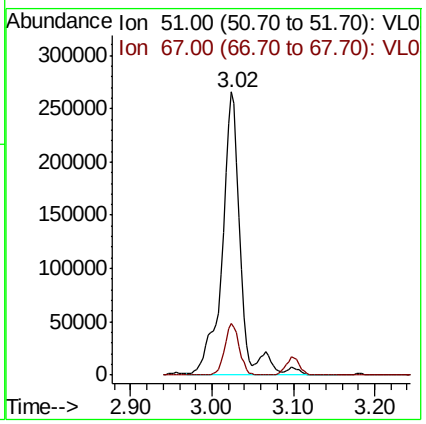
#3
Chlorodifluoromethane
Concen: 3.668 ppbv
RT: 3.02 min Scan# 27
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

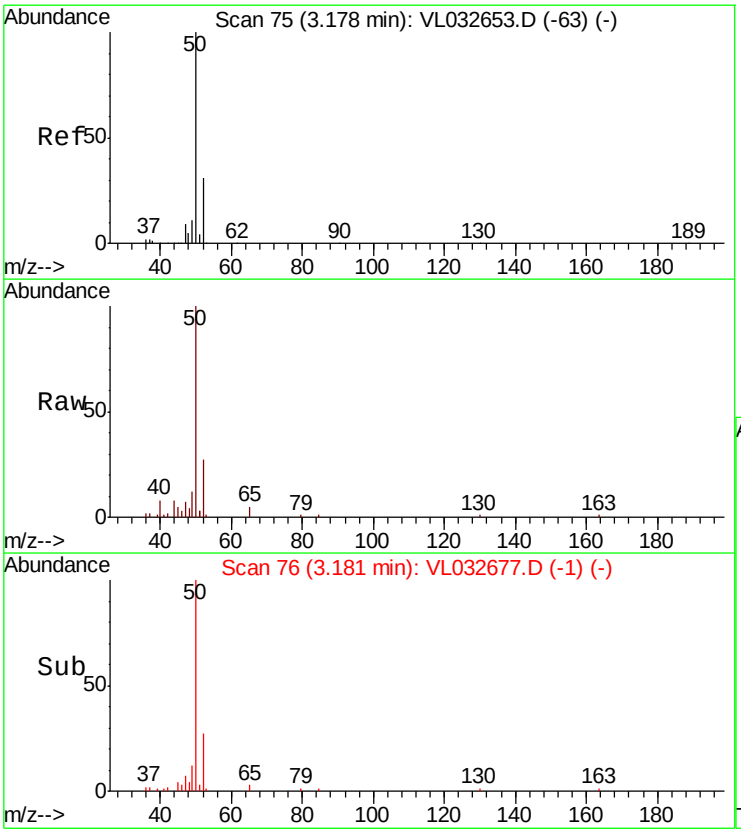
Tgt Ion: 51 Resp: 421676

Ion	Ratio	Lower	Upper
51	100		
67	14.6	15.2	22.8#

Instrument :
MSVOA_L
ClientSampleId :
A-5

Manual Integrations APPROVED
MMDadoda
10/24/2018 12:06:29 PM

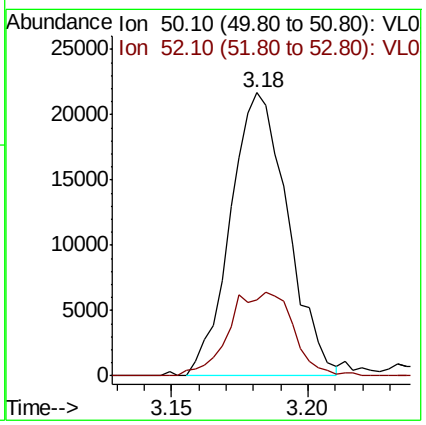


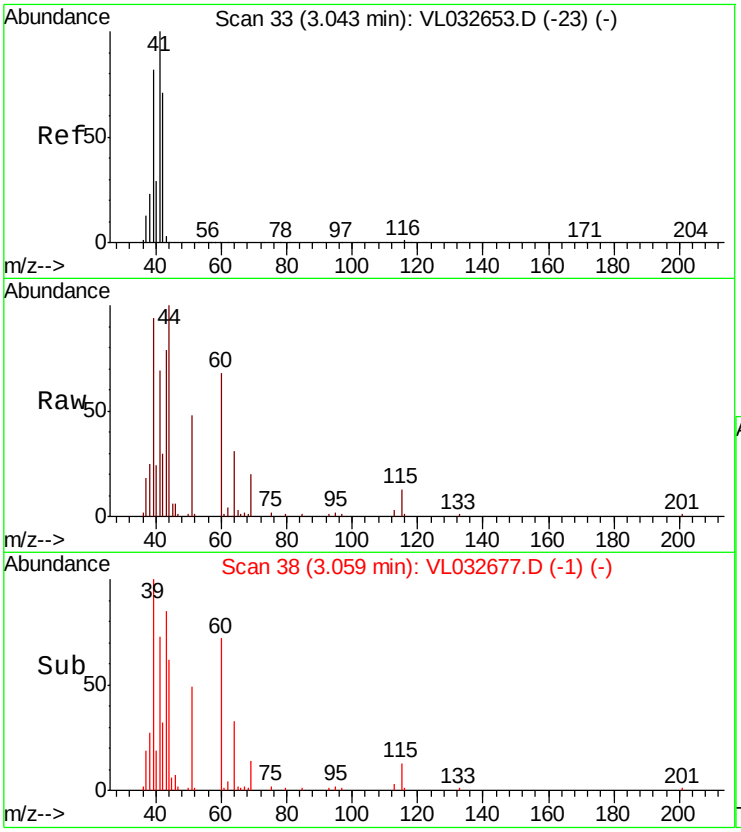


#4
Chloromethane
Concen: 0.493 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion: 50 Resp: 31642

Ion	Ratio	Lower	Upper
50	100		
52	26.1	25.9	38.9

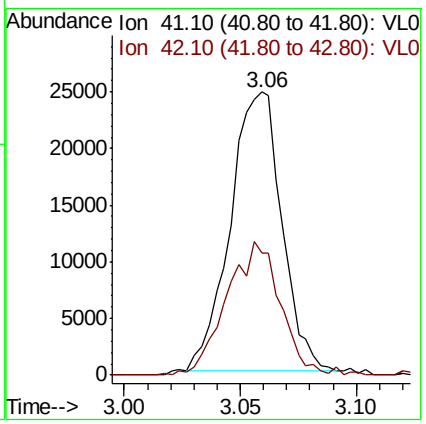




#9
Propene
Concen: 0.807 ppbv
RT: 3.06 min Scan# 38
Delta R.T. 0.02 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

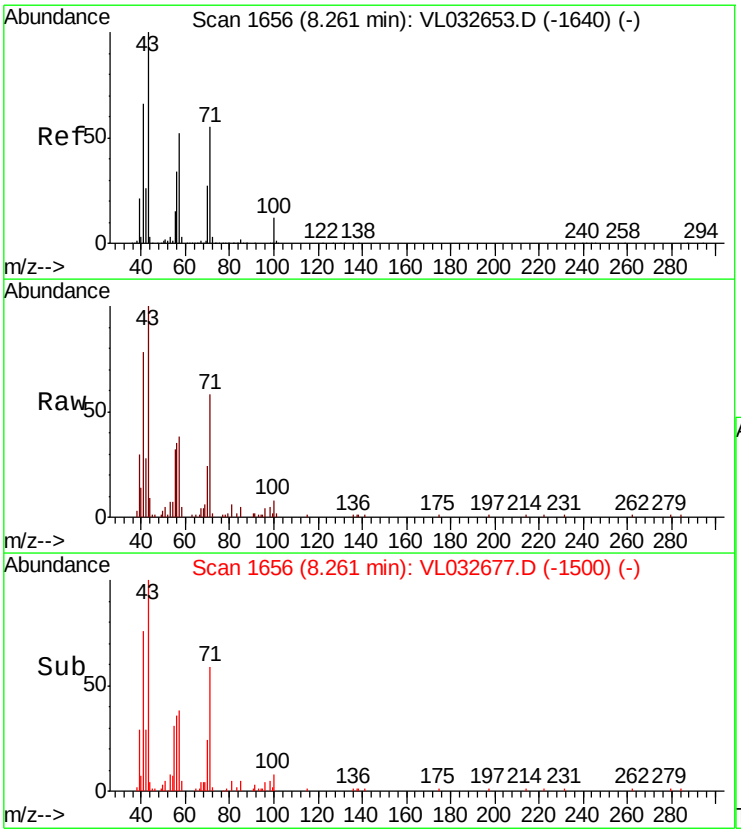
Tgt Ion: 41 Resp: 38166

Ion	Ratio	Lower	Upper
41	100		
42	50.0	55.4	83.0#



Instrument :
MSVOA_L
ClientSampleId :
A-5

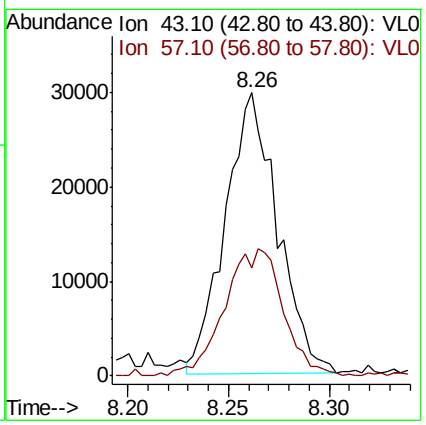
Manual Integrations APPROVED
MMDadoda
10/24/2018 12:06:29 PM

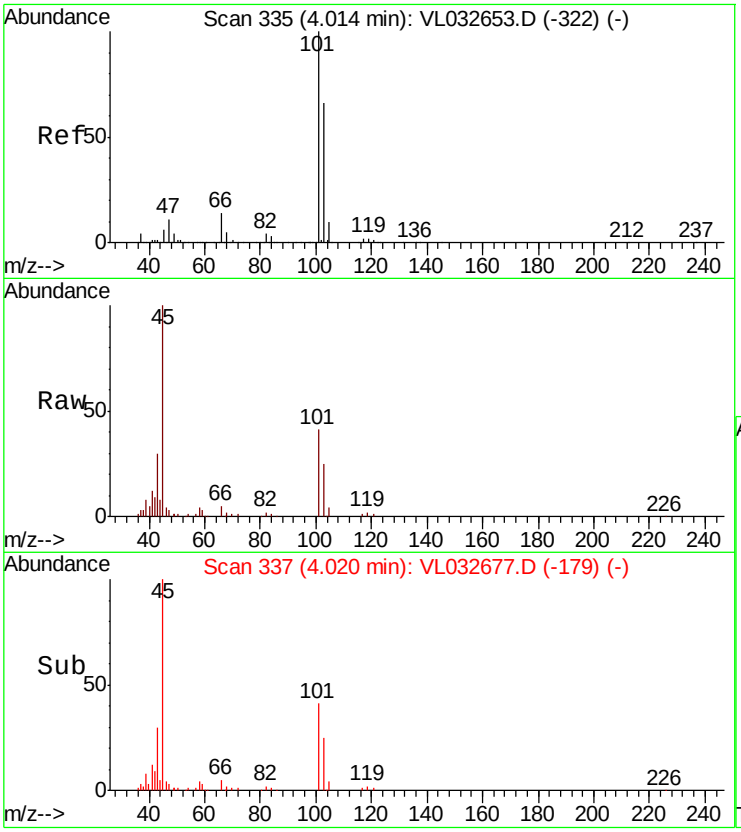


#10
Heptane
Concen: 0.296 ppbv
RT: 8.26 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion: 43 Resp: 53887

Ion	Ratio	Lower	Upper
43	100		
57	50.5	41.5	62.3

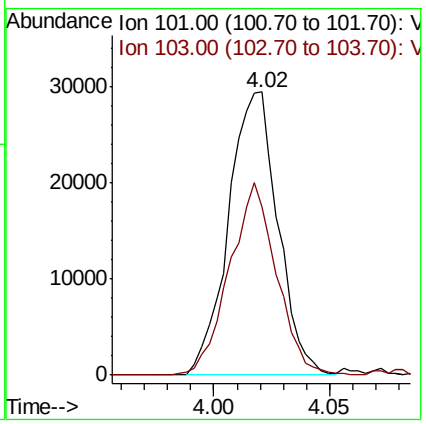




#11
Trichlorofluoromethane
Concen: 0.223 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.01 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

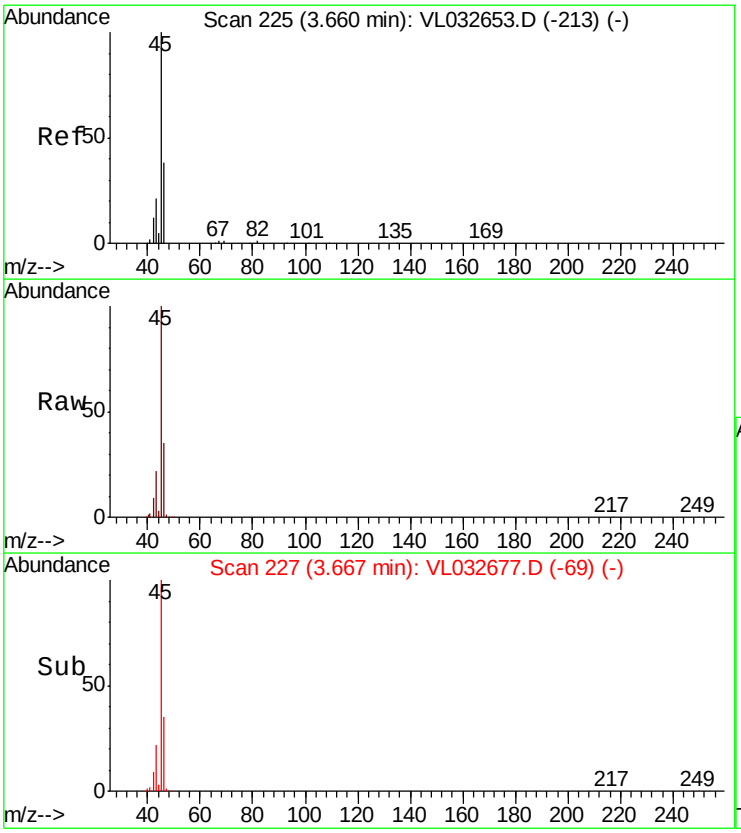
Tgt Ion:101 Resp: 43571

Ion	Ratio	Lower	Upper
101	100		
103	58.8	51.4	77.2



Instrument :
MSVOA_L
ClientSampleId :
A-5

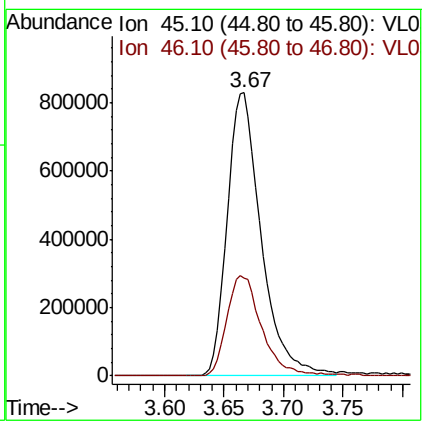
Manual Integrations APPROVED
MMDadoda
10/24/2018 12:06:29 PM

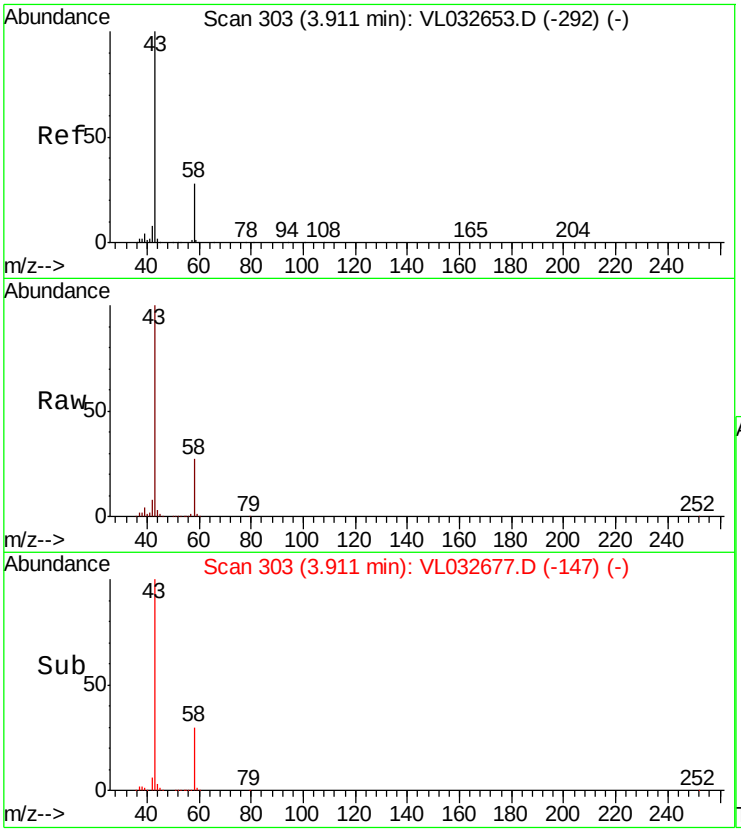


#13
Ethanol
Concen: 121.694 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion: 45 Resp: 1645608

Ion	Ratio	Lower	Upper
45	100		
46	36.9	15.4	61.8

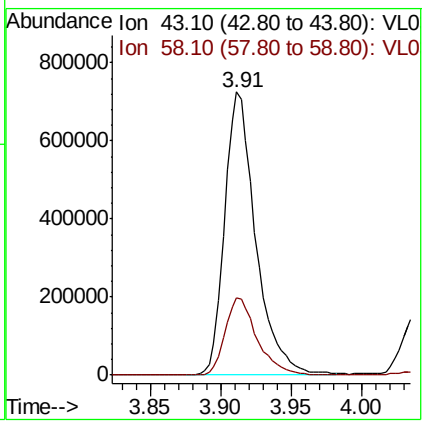




#15
Acetone
Concen: 8.217 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

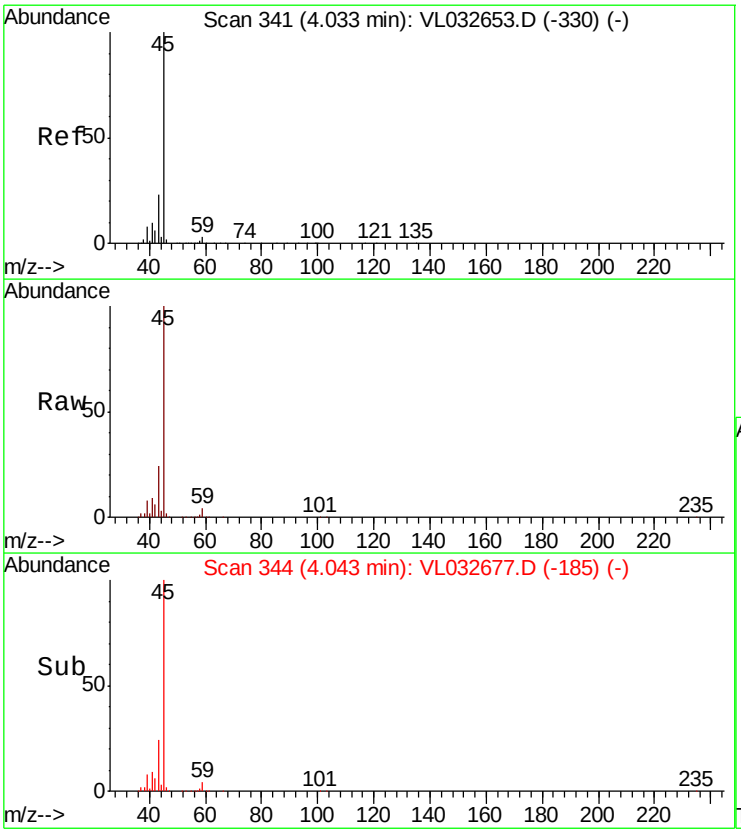
Tgt Ion: 43 Resp: 1115429

Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.1	33.1



Instrument :
MSVOA_L
ClientSampleId :
A-5

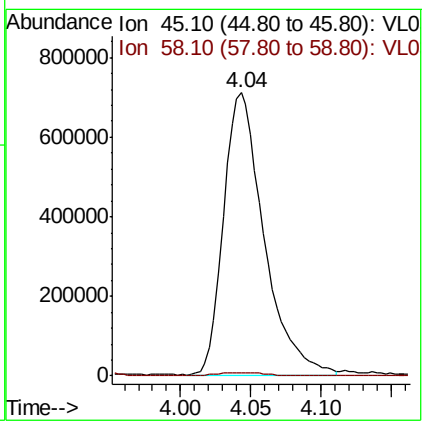
Manual Integrations APPROVED
MMDadoda
10/24/2018 12:06:29 PM

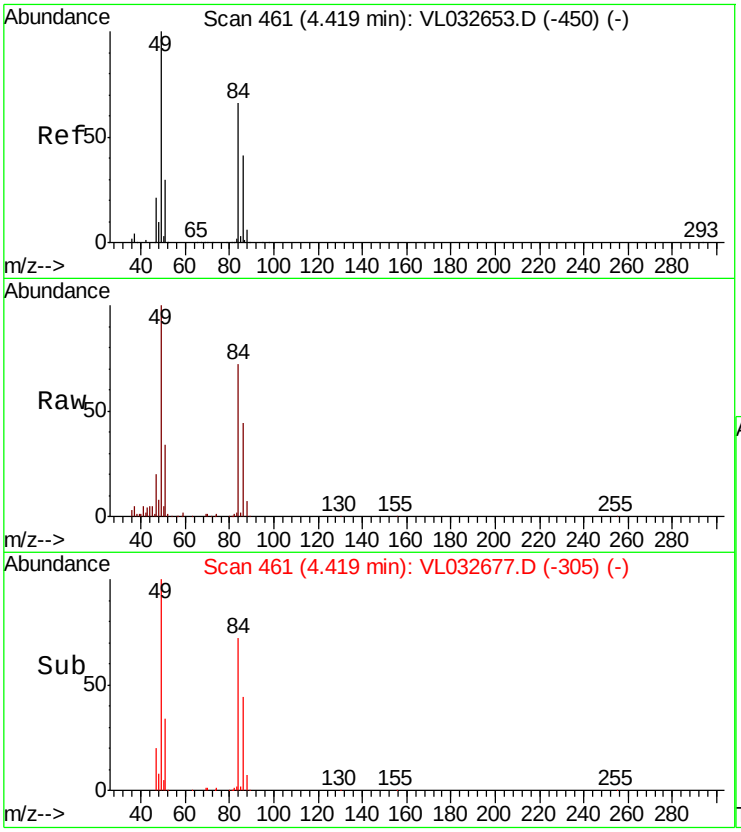


#19
Isopropyl Alcohol
Concen: 14.709 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.01 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion: 45 Resp: 1421957

Ion	Ratio	Lower	Upper
45	100		
58	1.6	2.0	3.0#

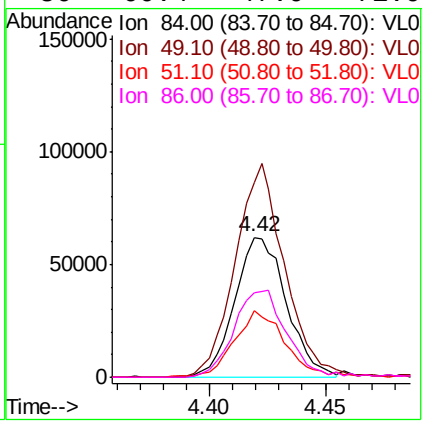




#20
Methylene Chloride
Concen: 1.387 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

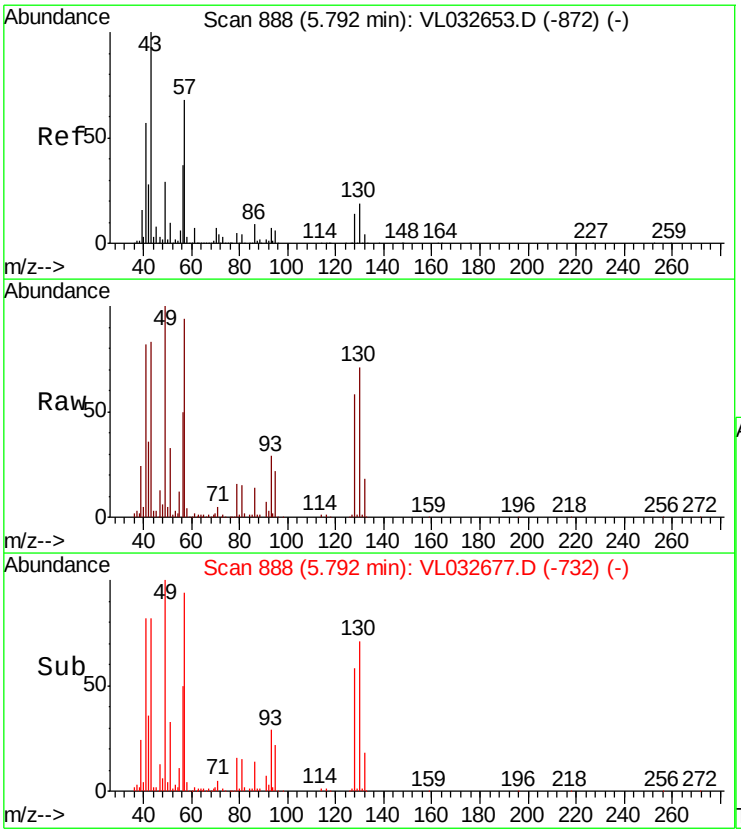
Tgt Ion: 84 Resp: 95554

Ion	Ratio	Lower	Upper
84	100		
49	138.1	113.5	170.3
51	46.8	34.8	52.2
86	60.4	47.9	71.9



Instrument :
MSVOA_L
ClientSampleId :
A-5

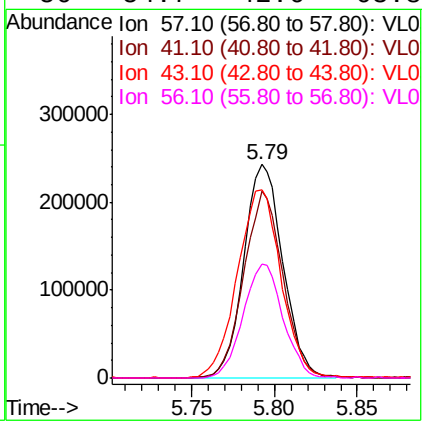
Manual Integrations APPROVED
MMDadoda
10/24/2018 12:06:29 PM

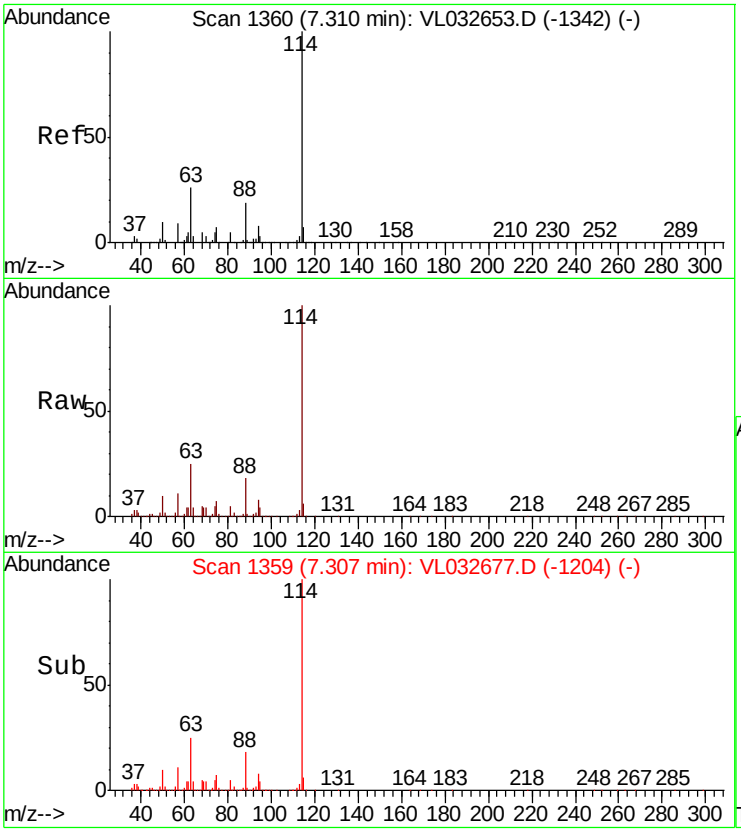


#26
Hexane
Concen: 2.694 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion: 57 Resp: 398232

Ion	Ratio	Lower	Upper
57	100		
41	88.4	67.4	101.0
43	99.1	171.9	257.9#
56	54.7	42.6	63.8

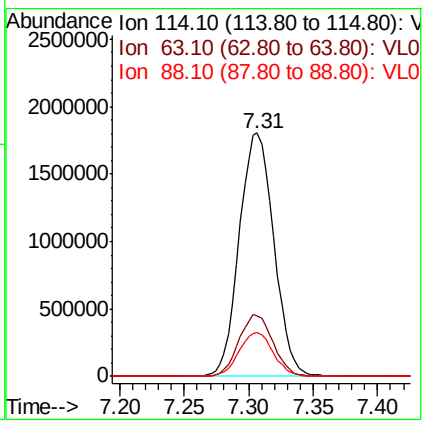




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

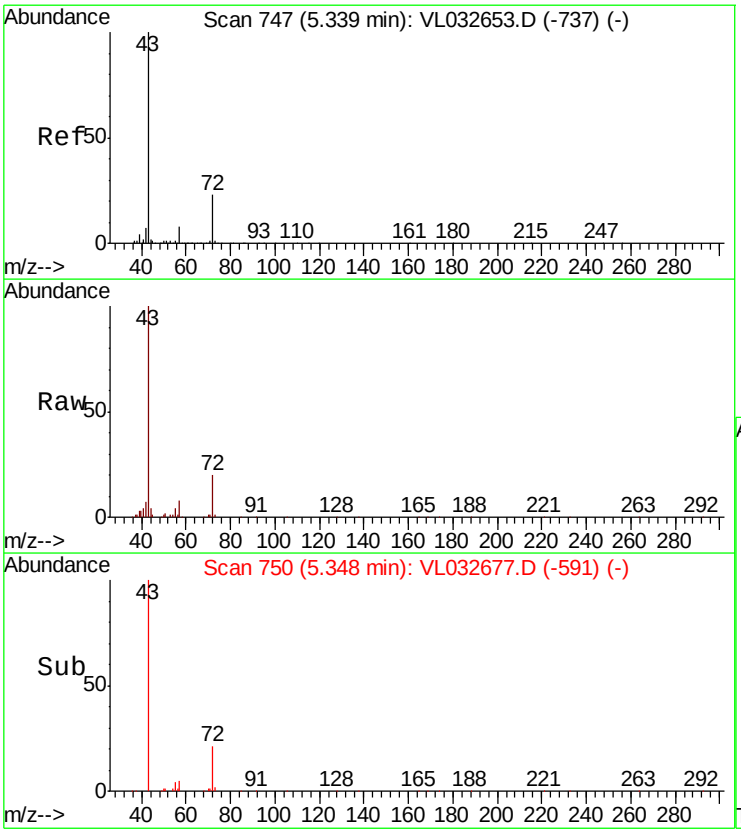
Tgt Ion:114 Resp: 3380046

Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.7	32.5
88	17.7	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
A-5

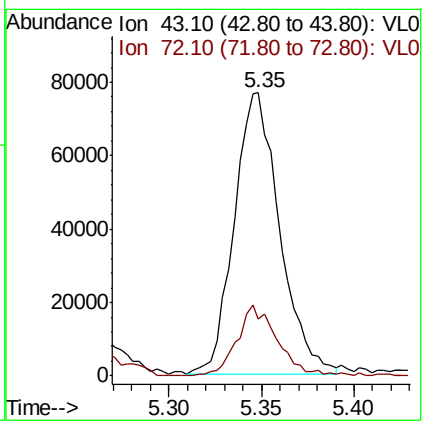
Manual Integrations APPROVED
MMDadoda
10/24/2018 12:06:29 PM

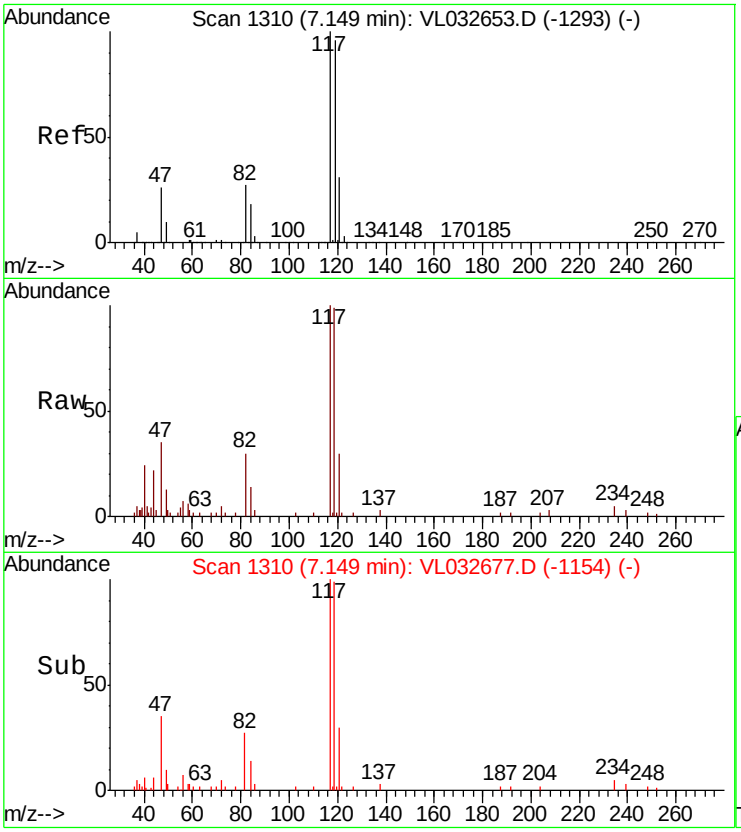


#34
2-Butanone
Concen: 0.724 ppbv
RT: 5.35 min Scan# 750
Delta R.T. 0.01 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion: 43 Resp: 131101

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.6	27.8

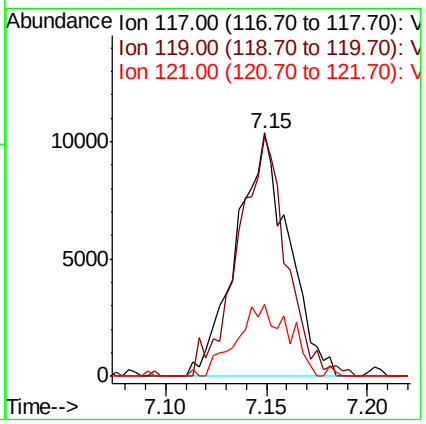




#35
Carbon Tetrachloride
Concen: 0.078 ppbv
RT: 7.15 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

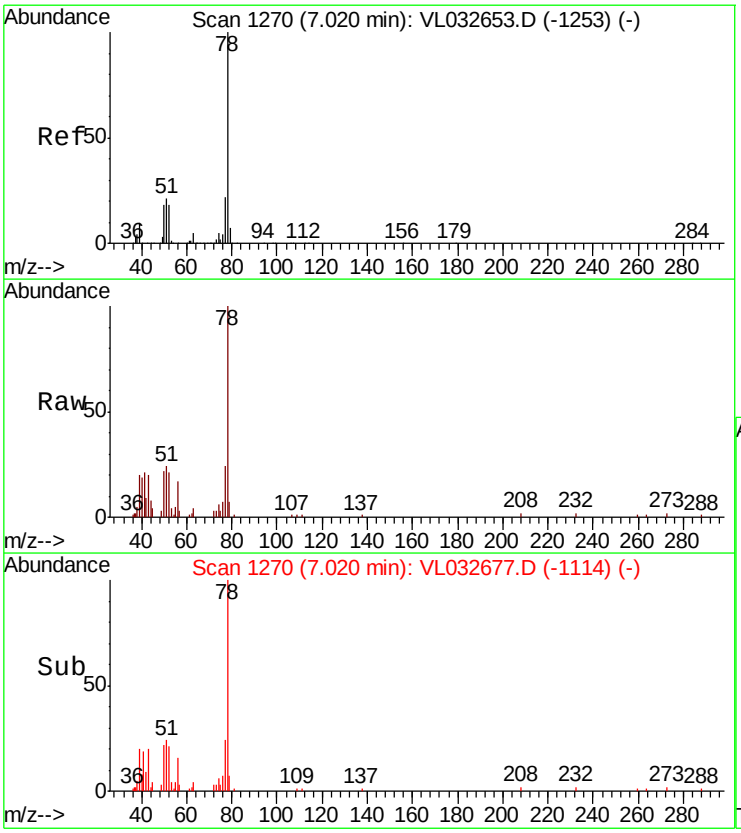
Tgt Ion:117 Resp: 18703

Ion	Ratio	Lower	Upper
117	100		
119	100.0	75.7	113.5
121	31.9	24.7	37.1



Instrument :
MSVOA_L
ClientSampleId :
A-5

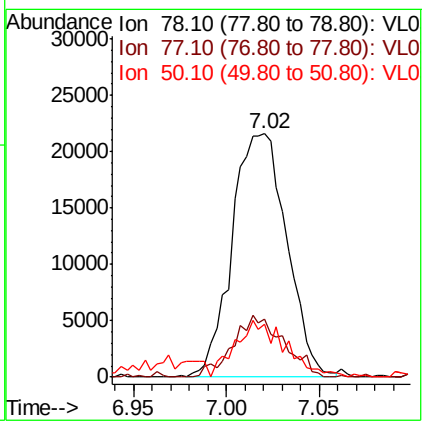
Manual Integrations APPROVED
MMDadoda
10/24/2018 12:06:29 PM

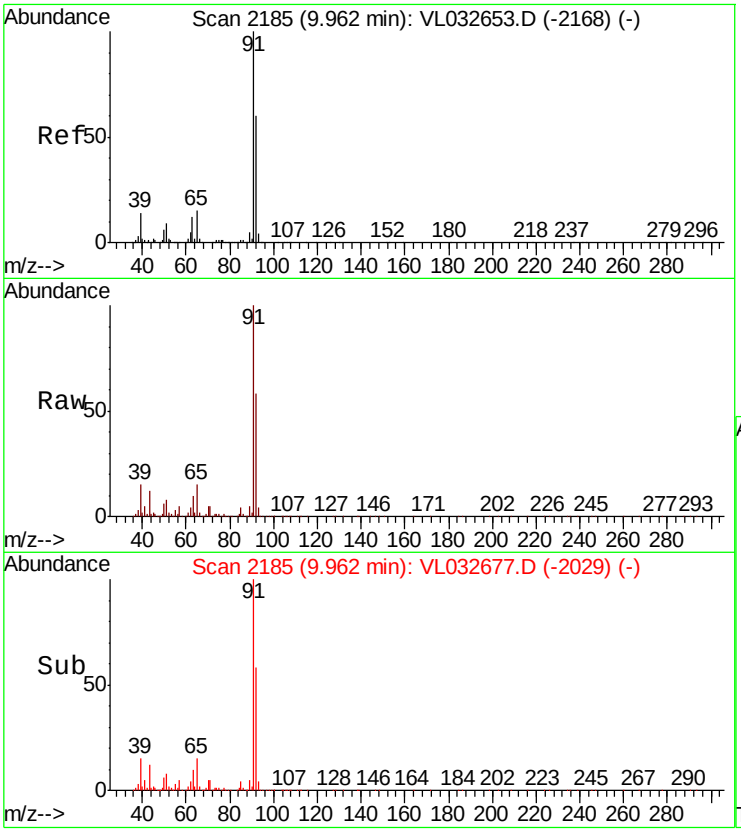


#36
Benzene
Concen: 0.161 ppbv
RT: 7.02 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion: 78 Resp: 44213

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.1	27.1
50	20.2	15.1	22.7

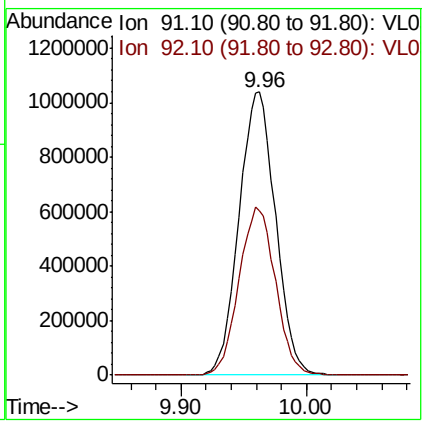




#53
Toluene
Concen: 6.691 ppbv
RT: 9.96 min Scan# 2185
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

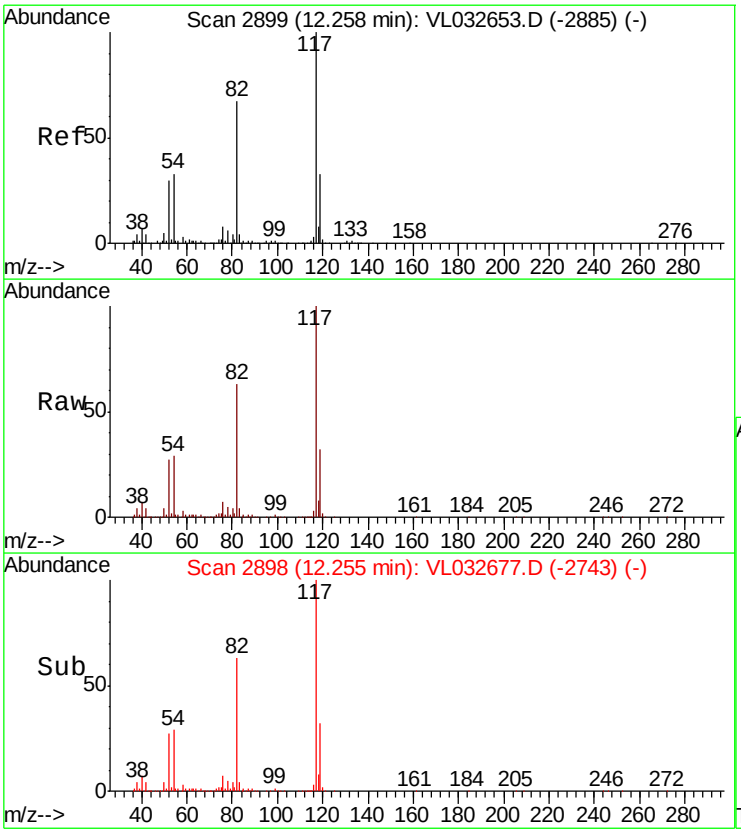
Tgt Ion: 91 Resp: 2105201

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
A-5

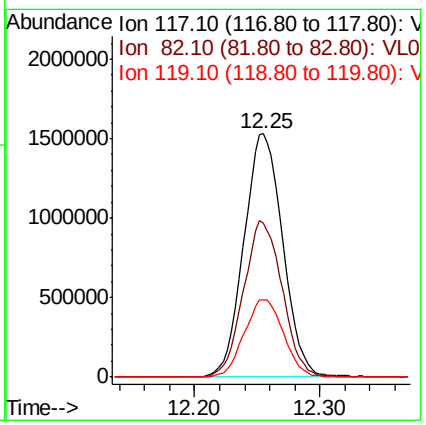
Manual Integrations APPROVED
MMDadoda
10/24/2018 12:06:29 PM

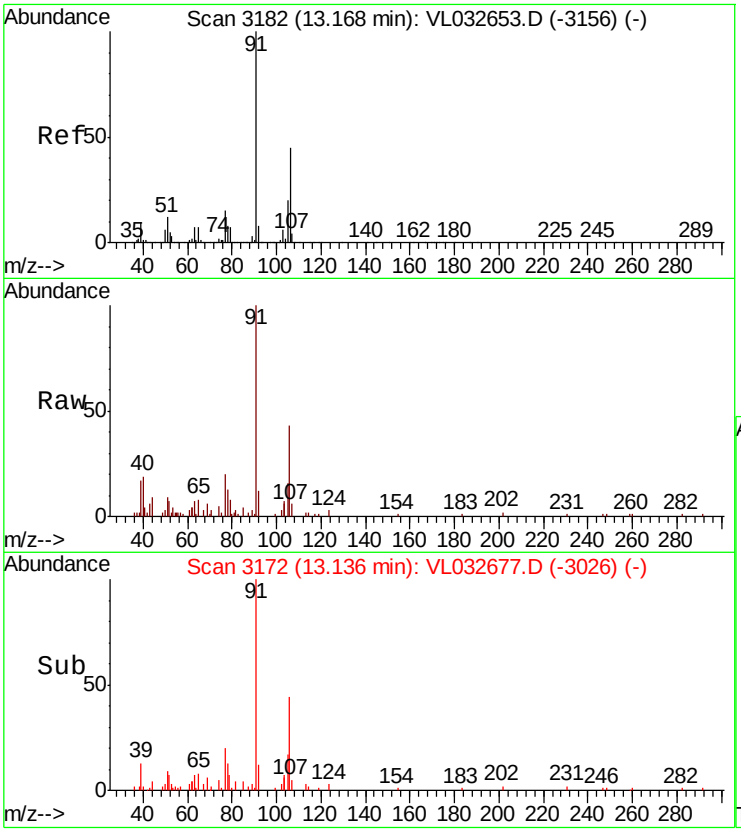


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion:117 Resp: 3304175

Ion	Ratio	Lower	Upper
117	100		
82	64.3	52.7	79.1
119	32.4	26.7	40.1





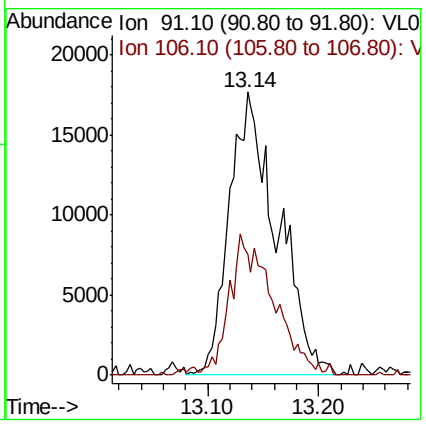
#59
m/p-Xylene
Concen: 0.156 ppbv m
RT: 13.14 min Scan# 3172
Delta R.T. -0.03 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

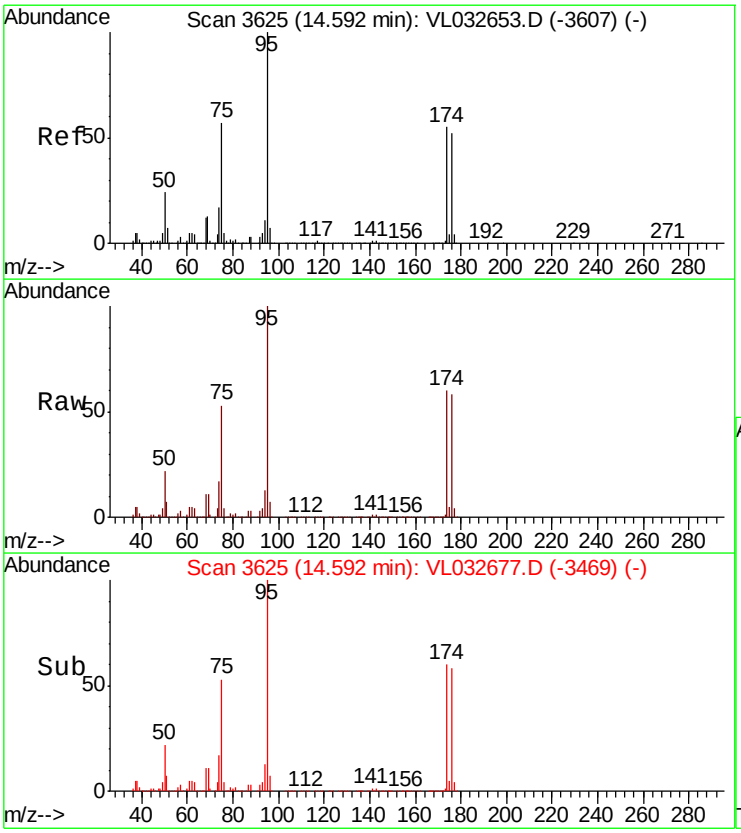
Tgt Ion: 91 Resp: 53177

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9#

Instrument :
MSVOA_L
ClientSampleId :
A-5

Manual Integrations APPROVED
MMDadoda
10/24/2018 12:06:29 PM

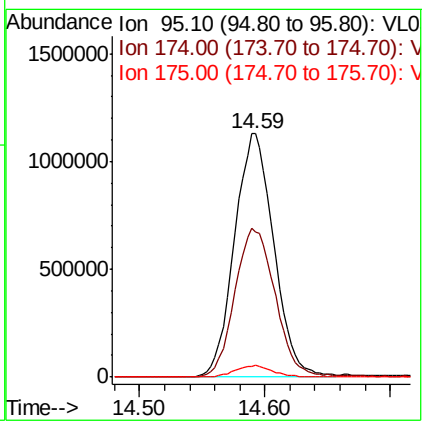


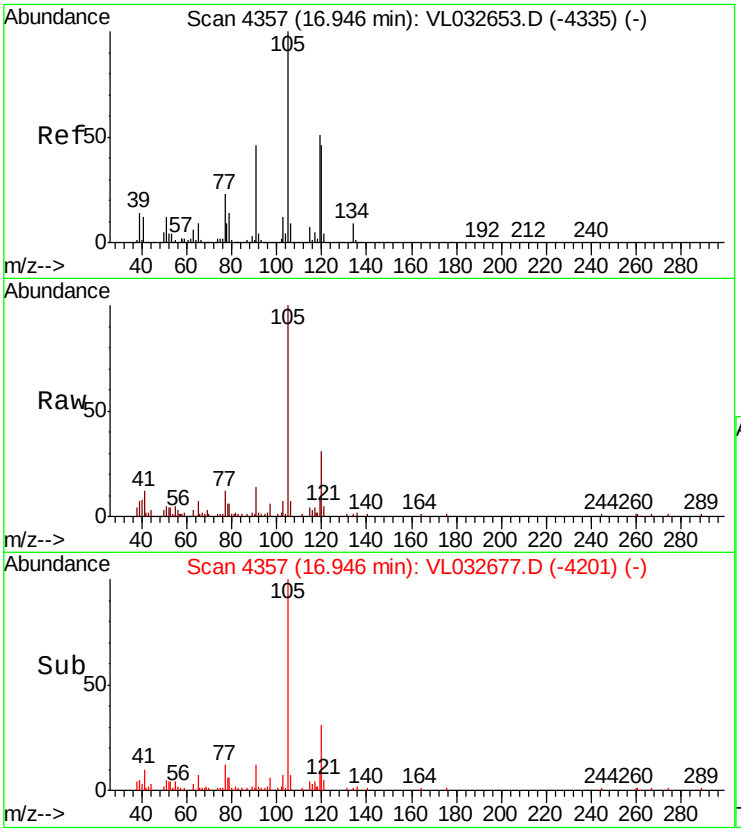


#68
1-Bromo-4-Fluorobenzene
Concen: 9.995 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion: 95 Resp: 2458915

Ion	Ratio	Lower	Upper
95	100		
174	63.7	46.0	69.0
175	4.6	3.4	5.0

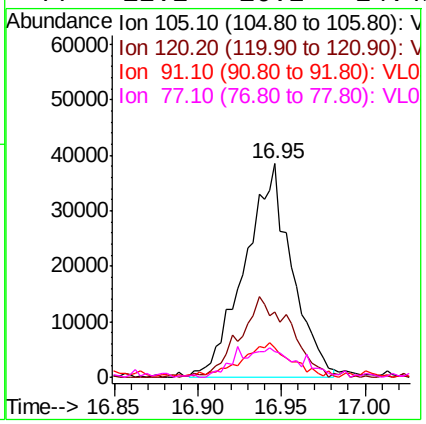




#74
1,2,4-Trimethylbenzene
Concen: 0.206 ppbv m
RT: 16.95 min Scan# 4357
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion:105 Resp: 75349

Ion	Ratio	Lower	Upper
105	100		
120	30.7	35.8	53.8#
91	13.5	33.2	49.8#
77	12.2	16.2	24.4#



Instrument :
MSVOA_L
ClientSampleId :
A-5

Manual Integrations APPROVED
MMDadoda
10/24/2018 12:06:29 PM