Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031620\
Data File : VL034906.D
Acq On : 17 Mar 2020 1:19
Operator : SY/AP
Sample : L1924-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-03

Manual Integrations APPROVED
MMDadoda
3/17/2020 12:16:17 PM

Quant Time: Mar 17 07:07:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 0
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	843077	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	1865147	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	1820715	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	1516746	10.68	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	87956	0.762	ppbv		100
3) Chlorodifluoromethane	2.95	51	31231m	0.332	ppbv		
9) Propene	2.97	41	14423m	0.321	ppbv		
11) Trichlorofluoromethane	3.92	101	34217	0.279	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	38531	0.448	ppbv		90
13) Ethanol	3.58	45	605363	44.283	ppbv		94
15) Acetone	3.81	43	1801978	16.491	ppbv		100
19) Isopropyl Alcohol	3.95	45	141521	2.051	ppbv	#	1
20) Methylene Chloride	4.31	84	37093	1.074	ppbv		93
26) Hexane	5.67	57	36811m	0.439	ppbv		
34) 2-Butanone	5.23	43	66915m	0.540	ppbv		
35) Carbon Tetrachloride	7.02	117	8775m	0.076	ppbv		
36) Benzene	6.89	78	41841m	0.252	ppbv		
38) Trichloroethene	7.83	130	434912	6.888	ppbv		97
52) Tetrachloroethene	11.24	164	7601m	0.116	ppbv		
53) Toluene	9.82	91	260702	1.358	ppbv		96
59) m/p-Xylene	12.98	91	36188m	0.175	ppbv		

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

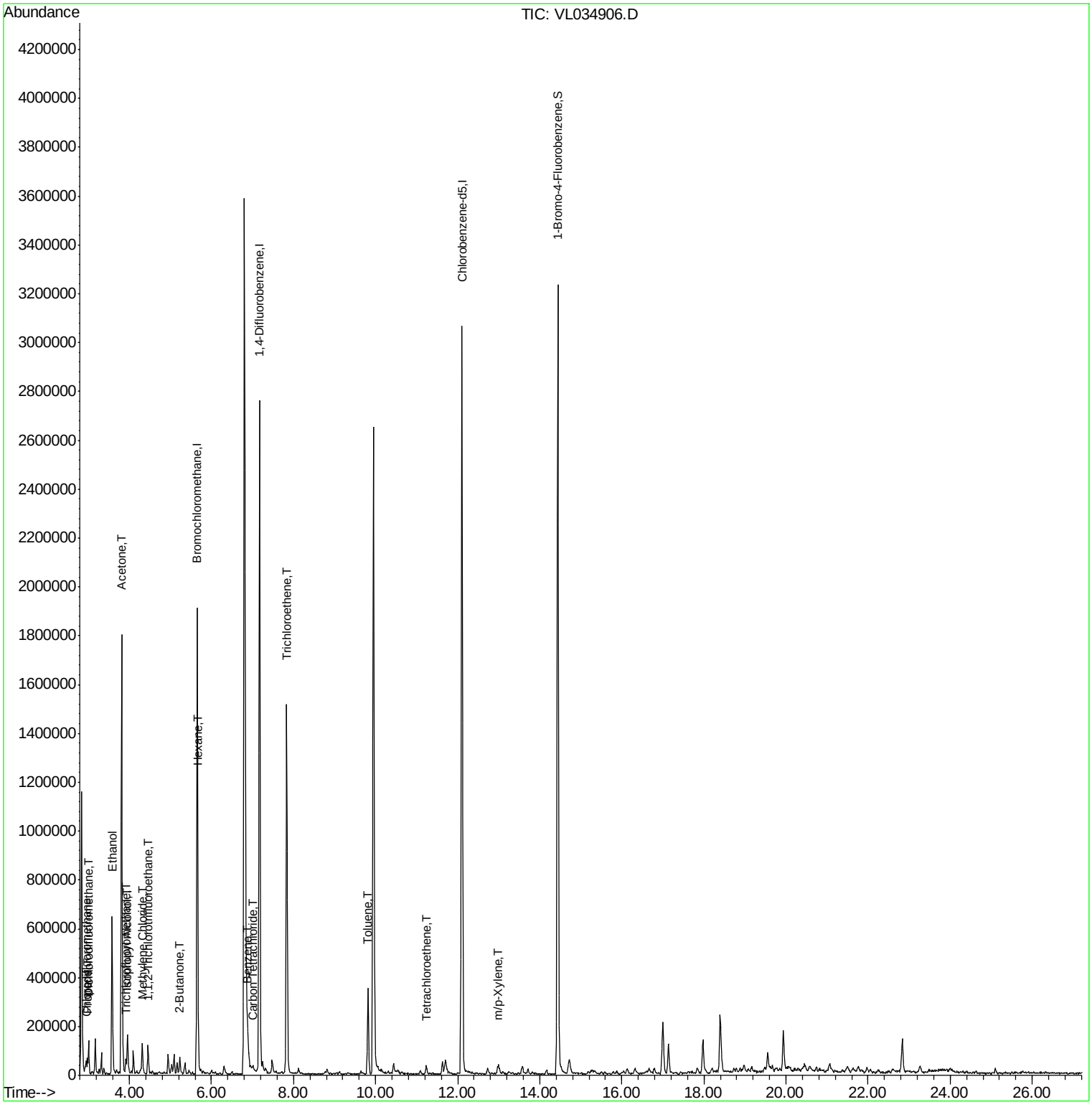
Quantitation Report (QT Reviewed)

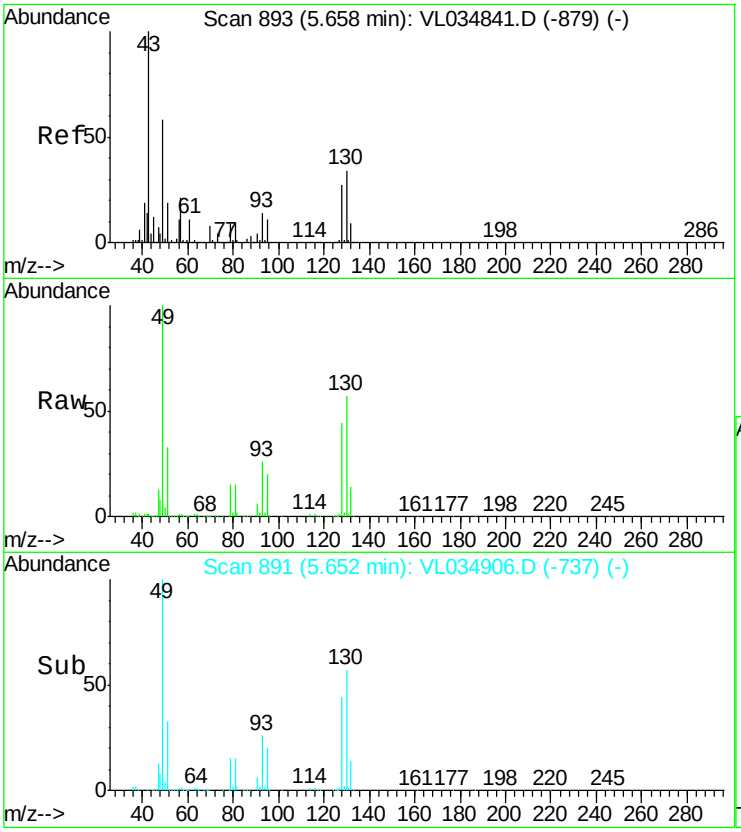
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031620\
Data File : VL034906.D
Acq On : 17 Mar 2020 1:19
Operator : SY/AP
Sample : L1924-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 07:07:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SV-03

Manual Integrations APPROVED
MMDadoda
3/17/2020 12:16:17 PM

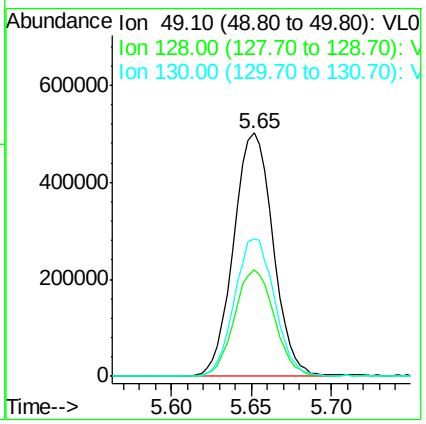




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

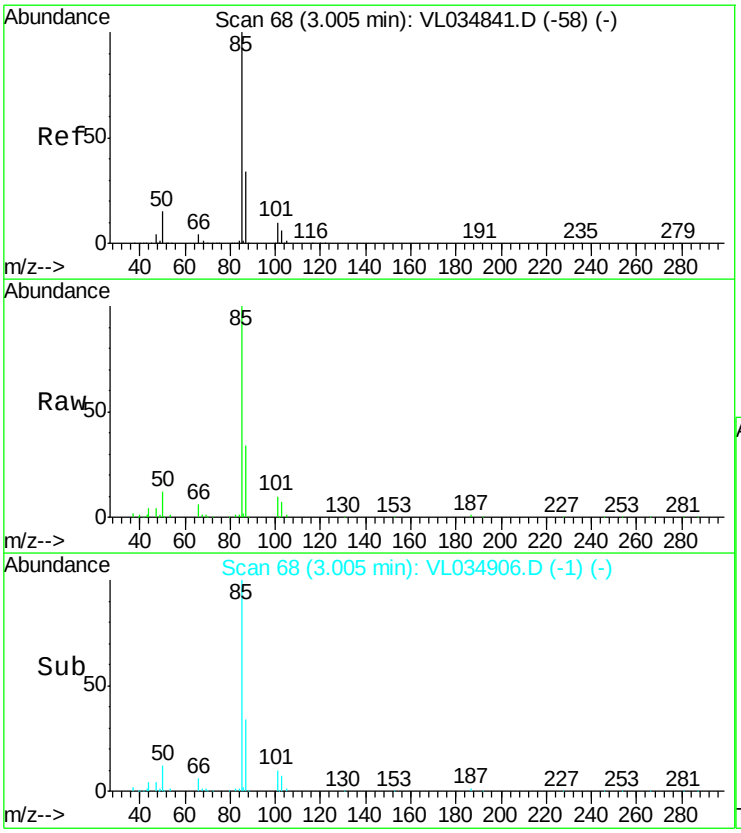
Tgt Ion: 49 Resp: 843077

Ion	Ratio	Lower	Upper
49	100		
128	44.5	23.4	70.3
130	57.9	30.0	90.0



Instrument :
MSVOA_L
ClientSampleId :
SV-03

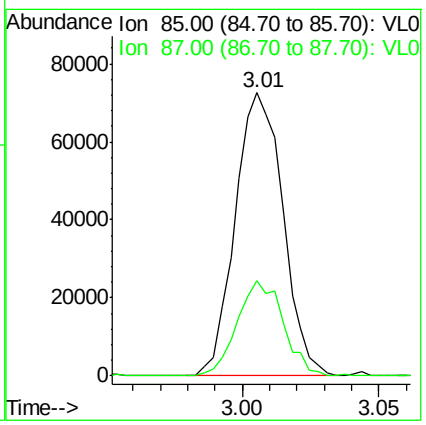
Manual Integrations APPROVED
MMDadoda
3/17/2020 12:16:17 PM

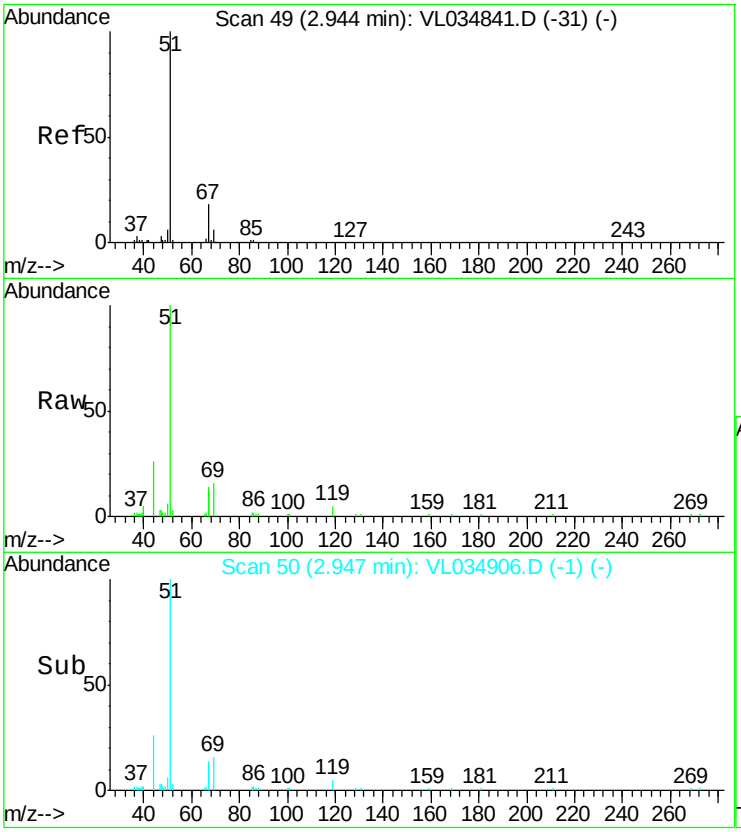


#2
Dichlorodifluoromethane
Concen: 0.762 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

Tgt Ion: 85 Resp: 87956

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.9	40.3





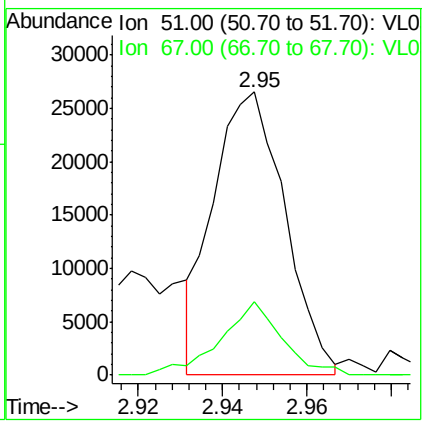
#3
Chlorodifluoromethane
Concen: 0.332 ppbv m
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

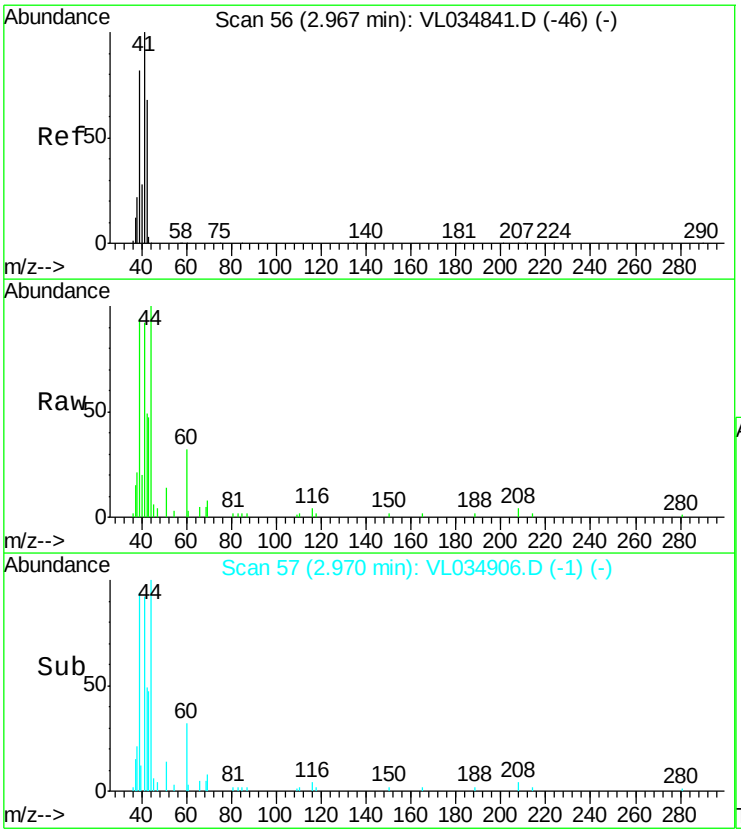
Tgt Ion: 51 Resp: 31231

Ion	Ratio	Lower	Upper
51	100		
67	22.3	14.3	21.5#

Instrument :
MSVOA_L
ClientSampleId :
SV-03

Manual Integrations APPROVED
MMDadoda
3/17/2020 12:16:17 PM

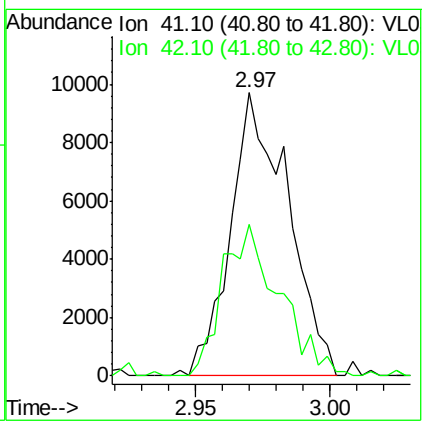


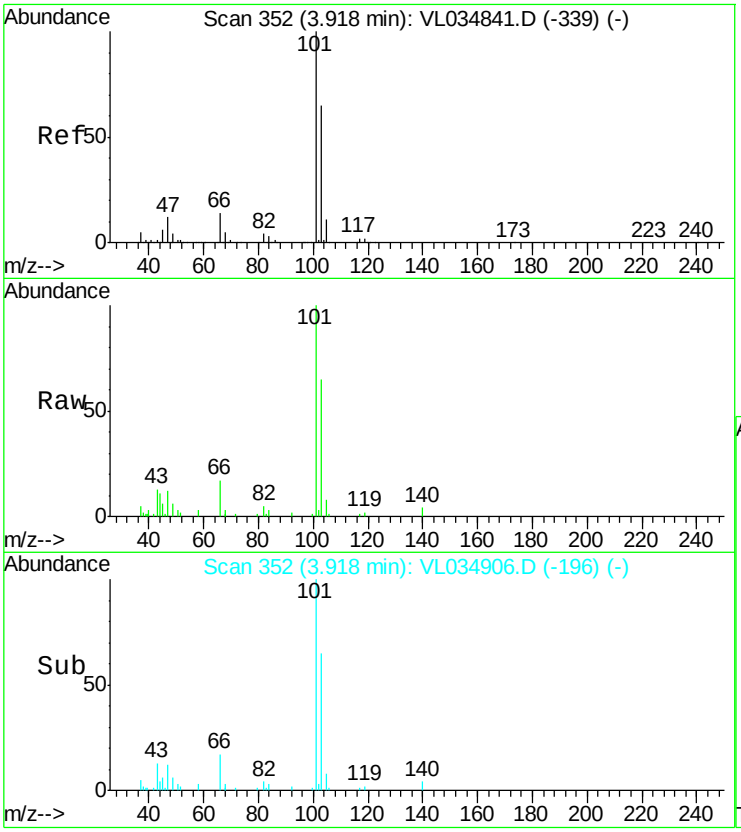


#9
Propene
Concen: 0.321 ppbv m
RT: 2.97 min Scan# 57
Delta R.T. 0.00 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

Tgt Ion: 41 Resp: 14423

Ion	Ratio	Lower	Upper
41	100		
42	54.1	55.2	82.8#





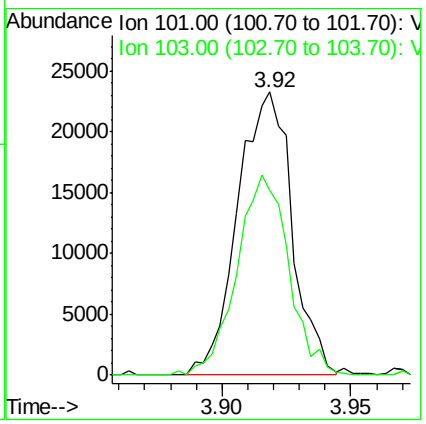
#11
Trichlorofluoromethane
Concen: 0.279 ppbv
RT: 3.92 min Scan# 352
Delta R.T. 0.00 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

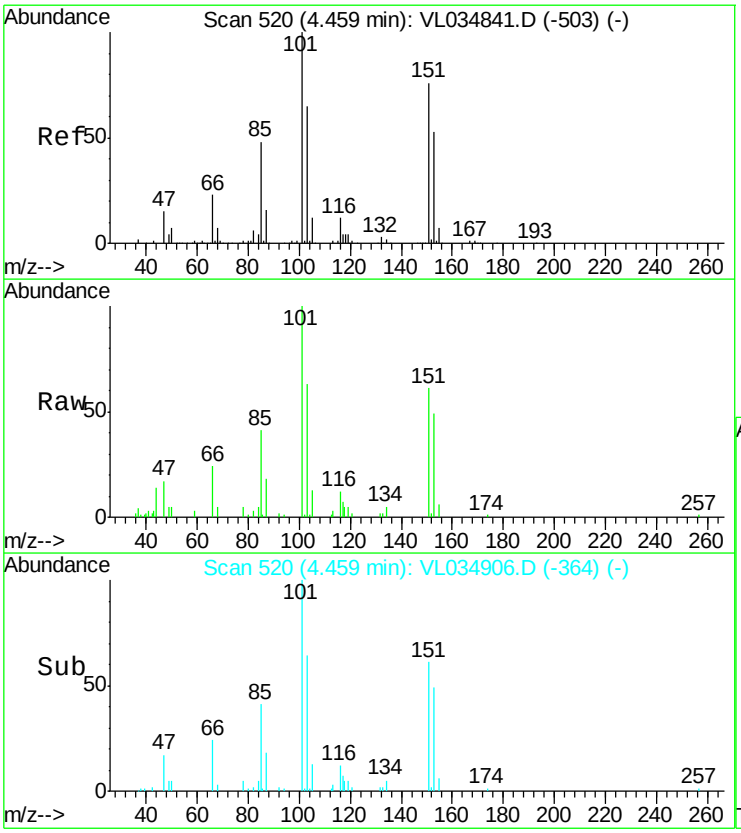
Tgt Ion:101 Resp: 34217

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.8

Instrument :
MSVOA_L
ClientSampleId :
SV-03

Manual Integrations APPROVED
MMDadoda
3/17/2020 12:16:17 PM

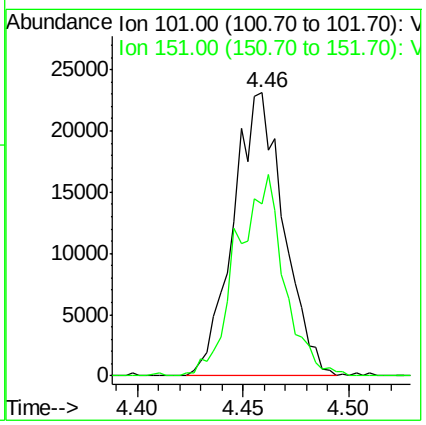


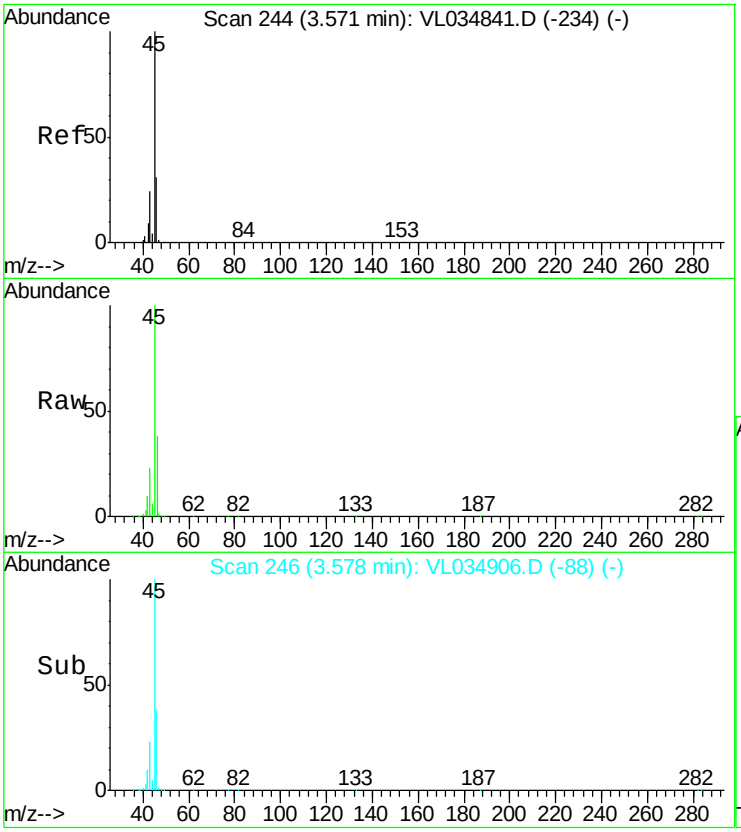


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.448 ppbv
RT: 4.46 min Scan# 520
Delta R.T. 0.00 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

Tgt Ion:101 Resp: 38531

Ion	Ratio	Lower	Upper
101	100		
151	67.0	60.8	91.2

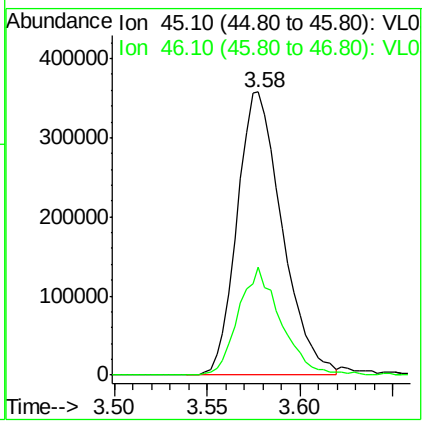




#13
Ethanol
Concen: 44.283 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

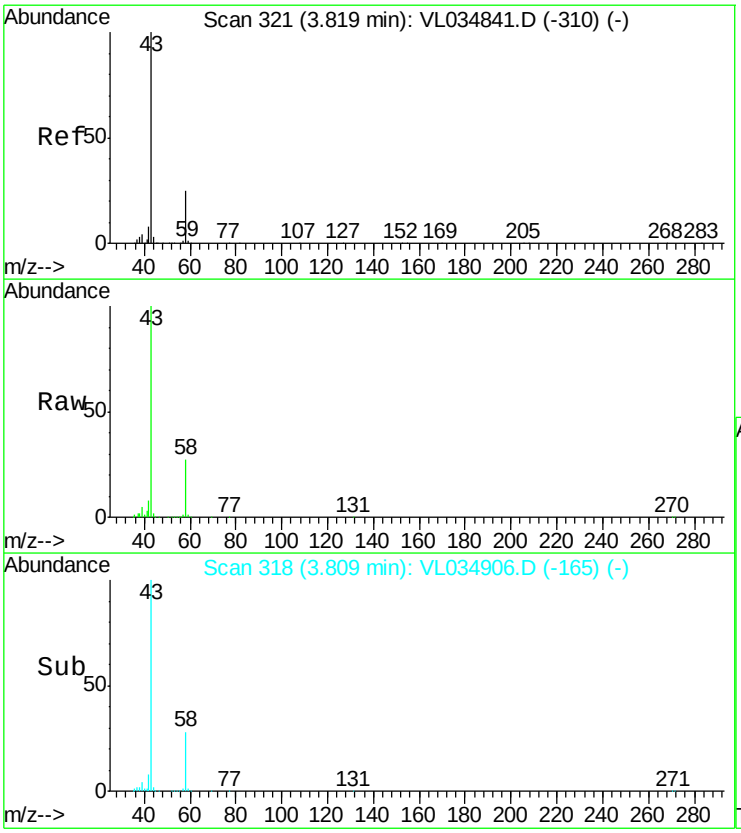
Tgt Ion: 45 Resp: 605363

Ion	Ratio	Lower	Upper
45	100		
46	36.4	16.0	64.0



Instrument :
MSVOA_L
ClientSampleId :
SV-03

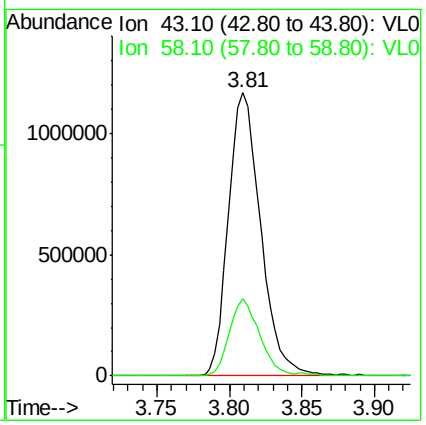
Manual Integrations APPROVED
MMDadoda
3/17/2020 12:16:17 PM

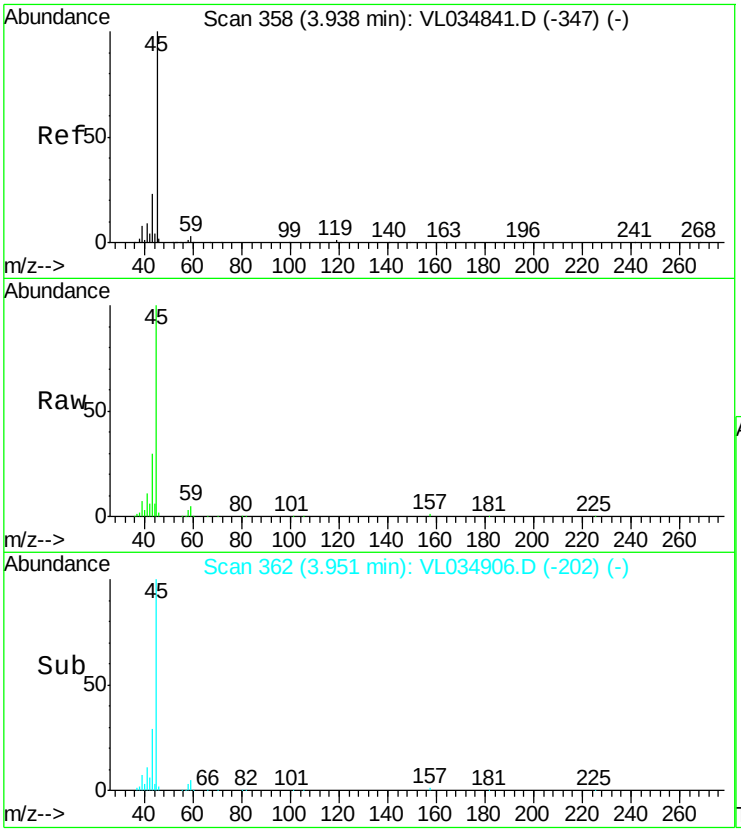


#15
Acetone
Concen: 16.491 ppbv
RT: 3.81 min Scan# 318
Delta R.T. -0.01 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

Tgt Ion: 43 Resp: 1801978

Ion	Ratio	Lower	Upper
43	100		
58	26.1	21.0	31.6





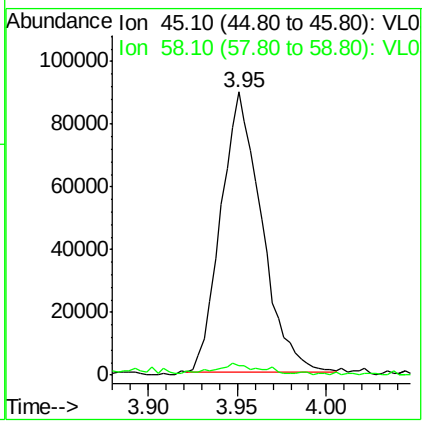
#19
Isopropyl Alcohol
Concen: 2.051 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

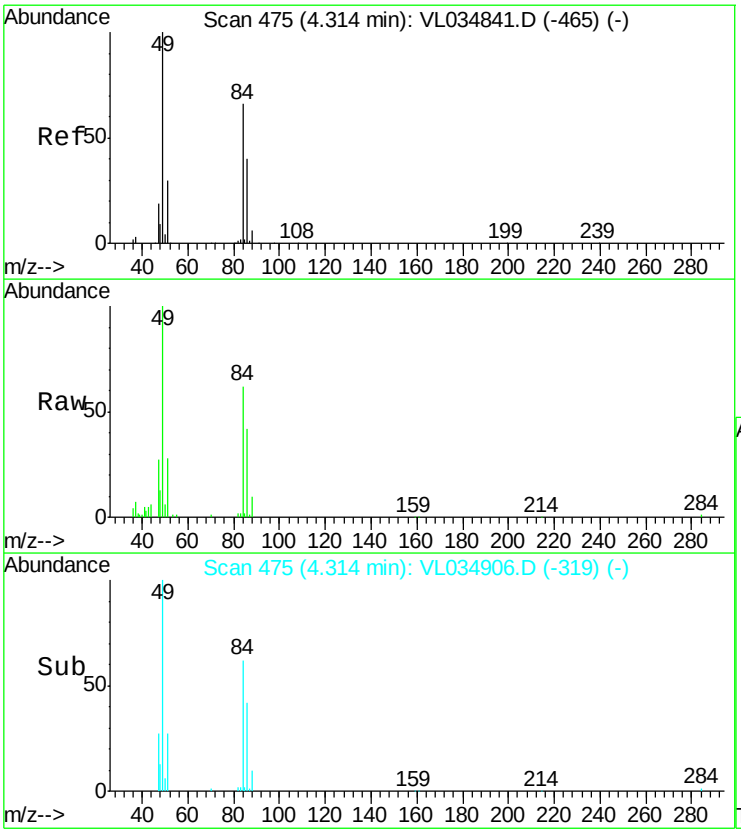
Tgt Ion: 45 Resp: 141521

Ion	Ratio	Lower	Upper
45	100		
58	333.5	30.5	45.7#

Instrument :
MSVOA_L
ClientSampleId :
SV-03

Manual Integrations APPROVED
MMDadoda
3/17/2020 12:16:17 PM

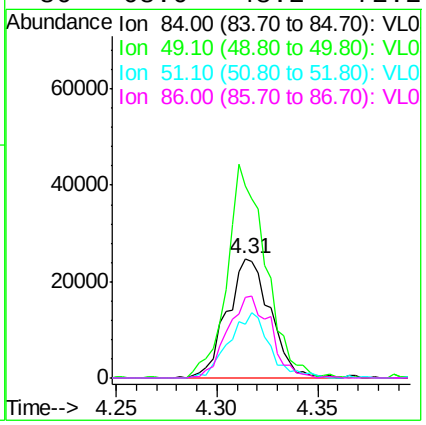


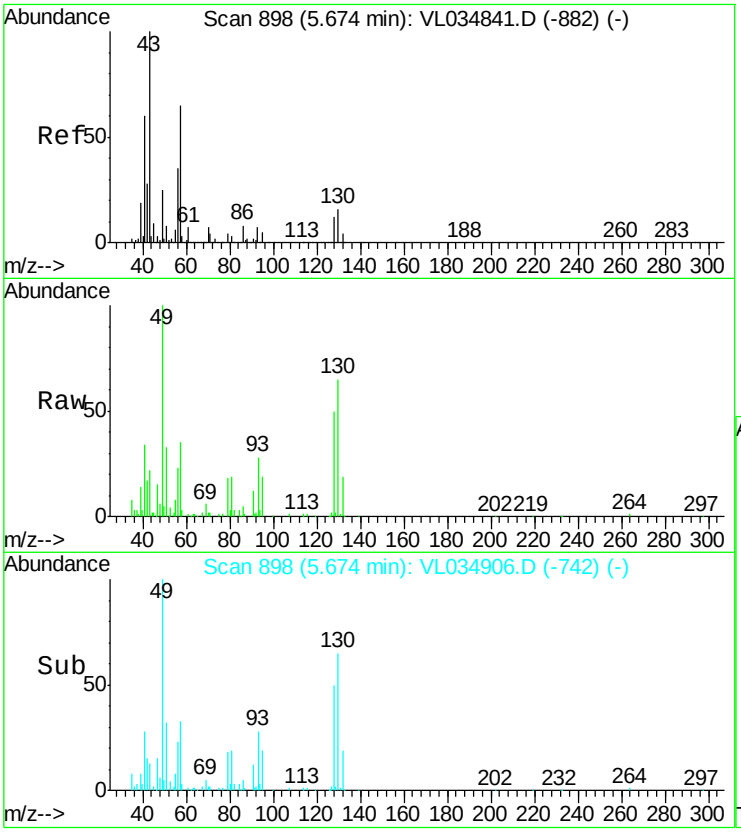


#20
Methylene Chloride
Concen: 1.074 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

Tgt Ion: 84 Resp: 37093

Ion	Ratio	Lower	Upper
84	100		
49	161.2	121.5	182.3
51	45.0	36.6	55.0
86	68.0	48.2	72.2

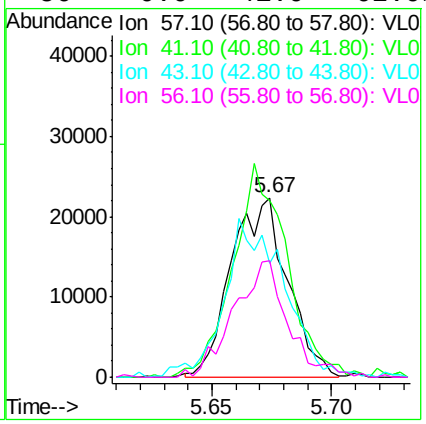




#26
Hexane
Concen: 0.439 ppbv m
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

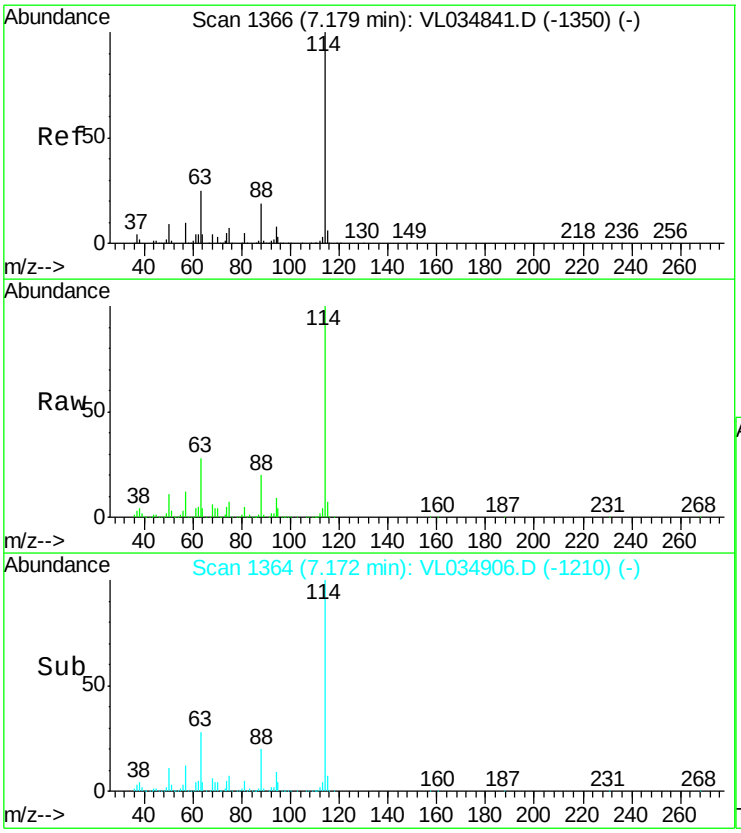
Tgt Ion: 57 Resp: 36811

Ion	Ratio	Lower	Upper
57	100		
41	116.0	72.6	109.0#
43	93.8	183.8	275.6#
56	0.0	41.9	62.9#



Instrument :
MSVOA_L
ClientSampleId :
SV-03

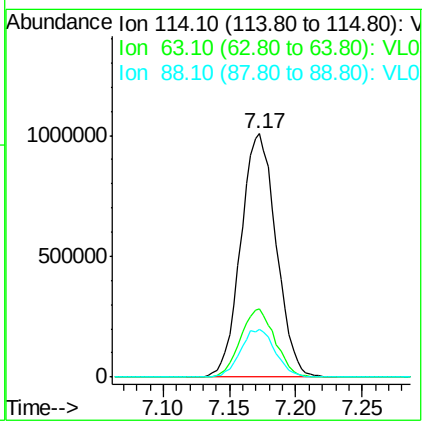
Manual Integrations APPROVED
MMDadoda
3/17/2020 12:16:17 PM

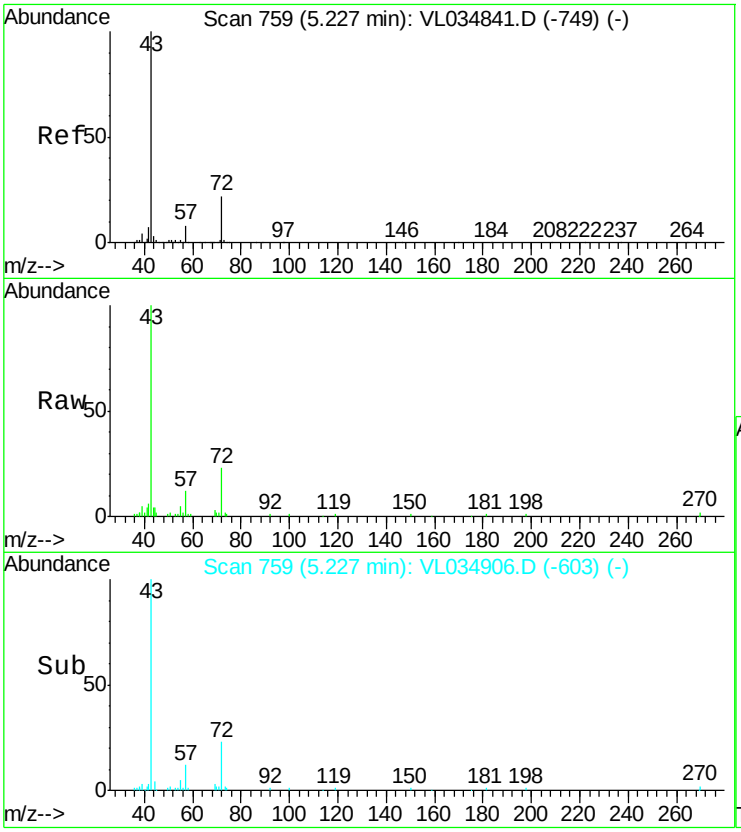


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

Tgt Ion:114 Resp: 1865147

Ion	Ratio	Lower	Upper
114	100		
63	27.5	20.6	31.0
88	19.4	15.0	22.6





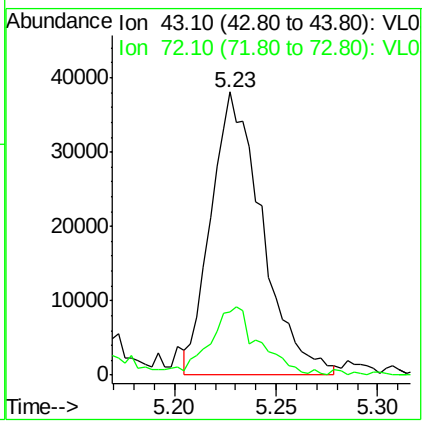
#34
2-Butanone
Concen: 0.540 ppbv m
RT: 5.23 min Scan# 759
Delta R.T. 0.00 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

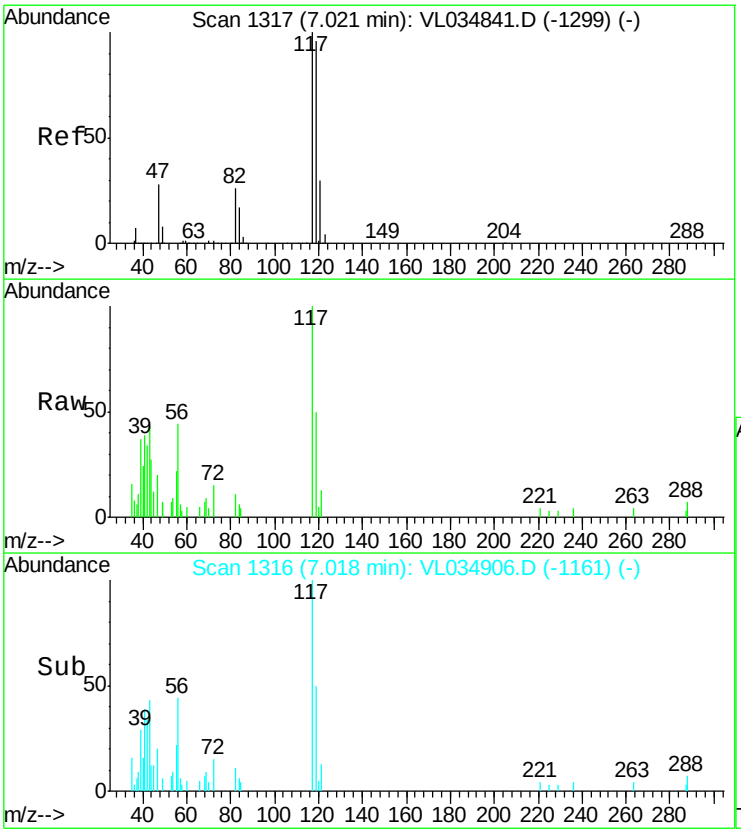
Tgt Ion: 43 Resp: 66915

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.6	26.4

Instrument :
MSVOA_L
ClientSampleId :
SV-03

Manual Integrations APPROVED
MMDadoda
3/17/2020 12:16:17 PM

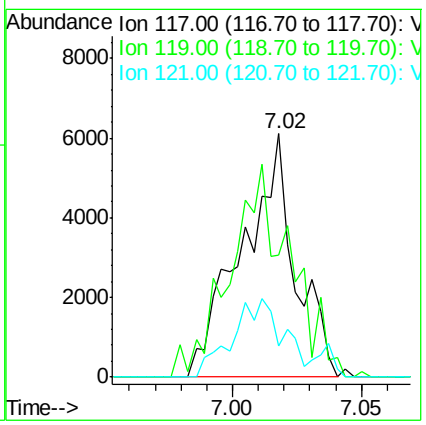


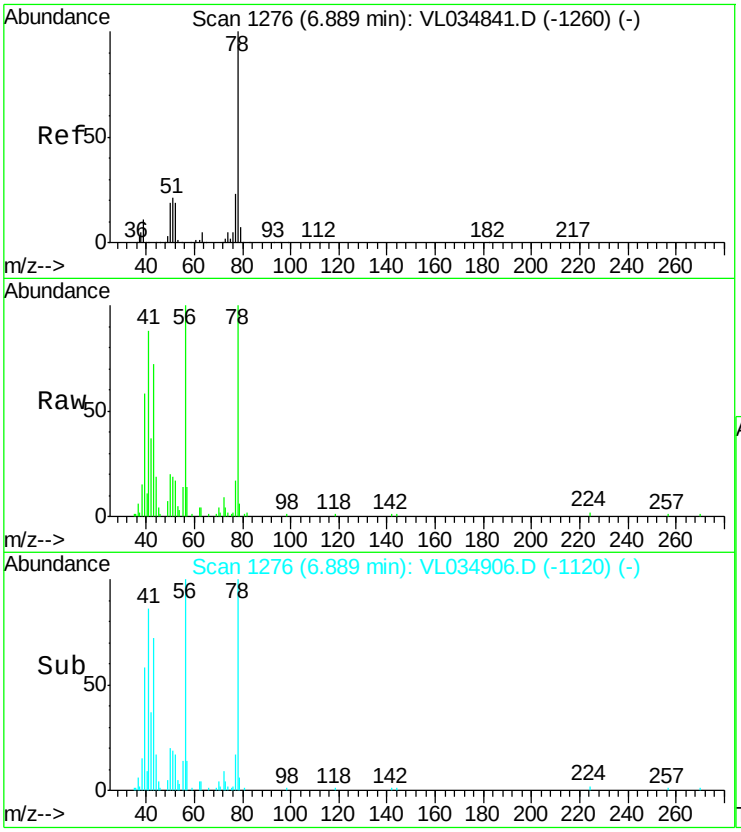


#35
Carbon Tetrachloride
Concen: 0.076 ppbv m
RT: 7.02 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

Tgt Ion:117 Resp: 8775

Ion	Ratio	Lower	Upper
117	100		
119	50.0	77.0	115.4#
121	12.7	24.0	36.0#

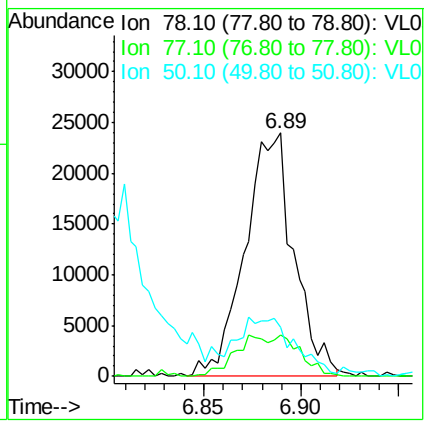




#36
Benzene
Concen: 0.252 ppbv m
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

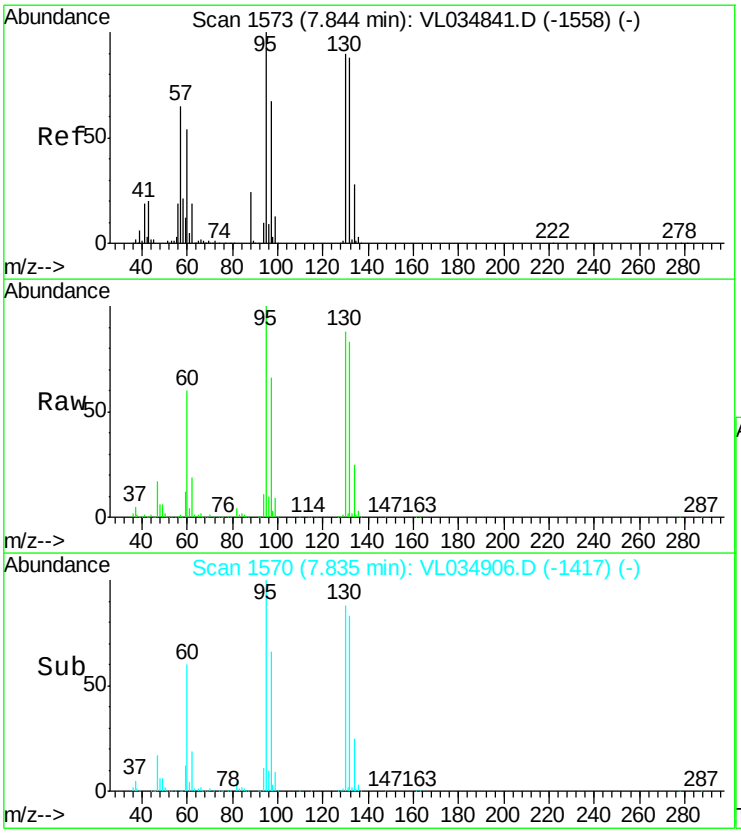
Tgt Ion: 78 Resp: 41841

Ion	Ratio	Lower	Upper
78	100		
77	16.8	18.2	27.2#
50	19.9	15.2	22.8



Instrument :
MSVOA_L
ClientSampleId :
SV-03

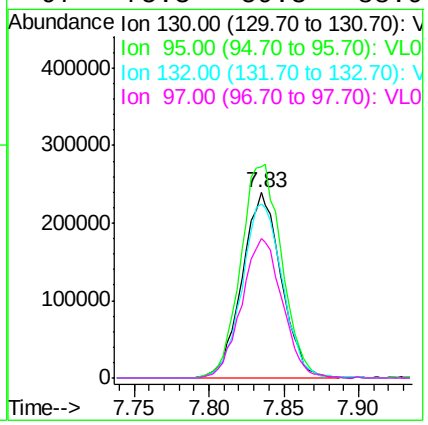
Manual Integrations APPROVED
MMDadoda
3/17/2020 12:16:17 PM

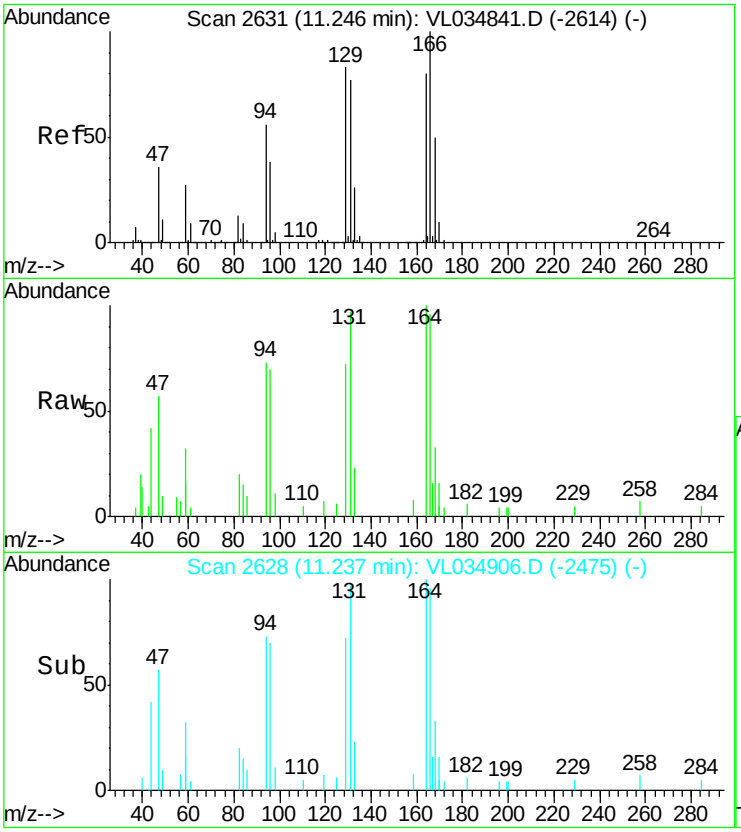


#38
Trichloroethene
Concen: 6.888 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

Tgt Ion:130 Resp: 434912

Ion	Ratio	Lower	Upper
130	100		
95	113.9	88.5	132.7
132	94.1	78.0	117.0
97	75.3	59.3	88.9

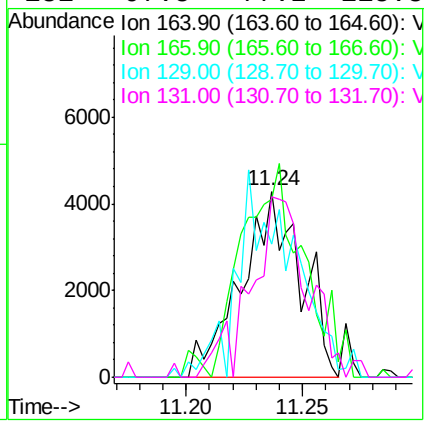




#52
Tetrachloroethene
Concen: 0.116 ppbv m
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

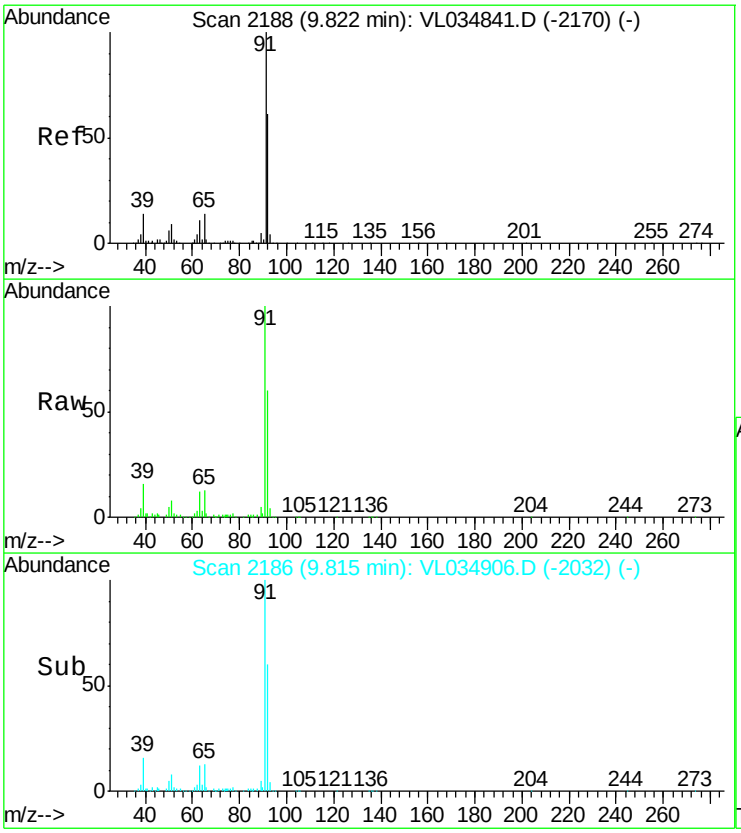
Tgt Ion:164 Resp: 7601

Ion	Ratio	Lower	Upper
164	100		
166	95.8	100.0	150.0#
129	71.7	83.1	124.7#
131	97.5	77.2	115.8



Instrument :
MSVOA_L
ClientSampleId :
SV-03

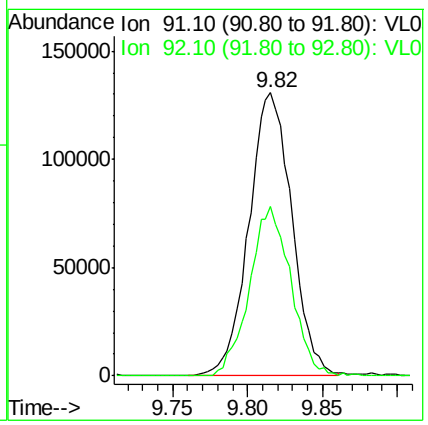
Manual Integrations APPROVED
MMDadoda
3/17/2020 12:16:17 PM

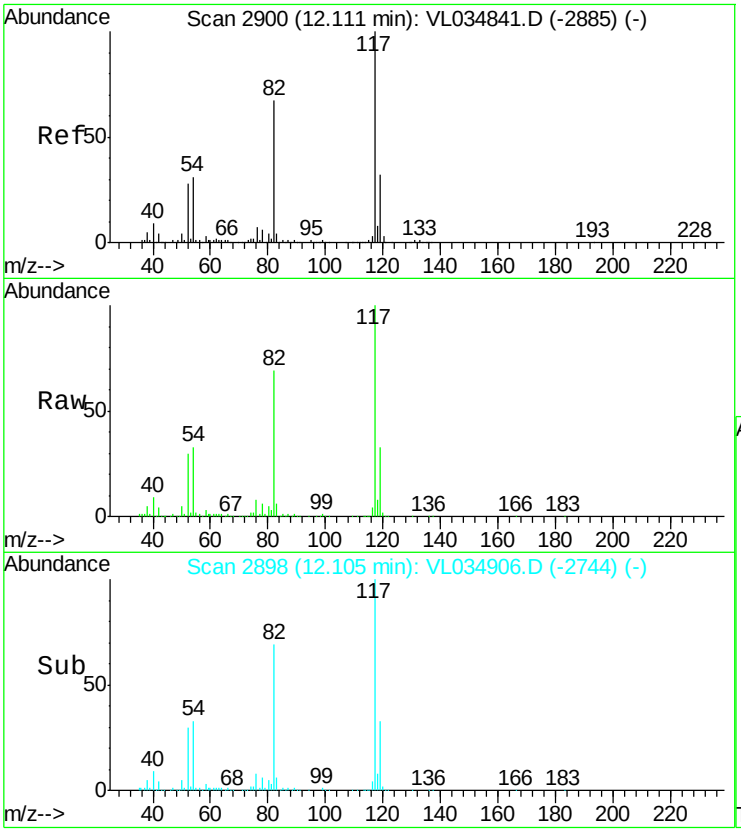


#53
Toluene
Concen: 1.358 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

Tgt Ion: 91 Resp: 260702

Ion	Ratio	Lower	Upper
91	100		
92	57.4	48.6	72.8

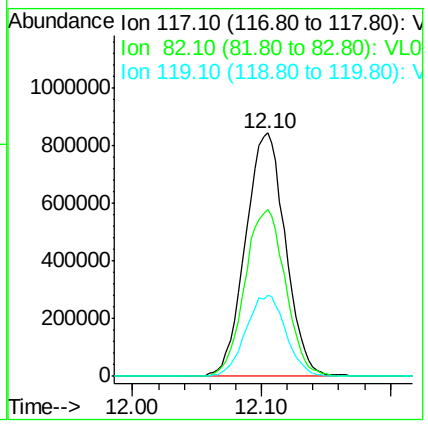




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

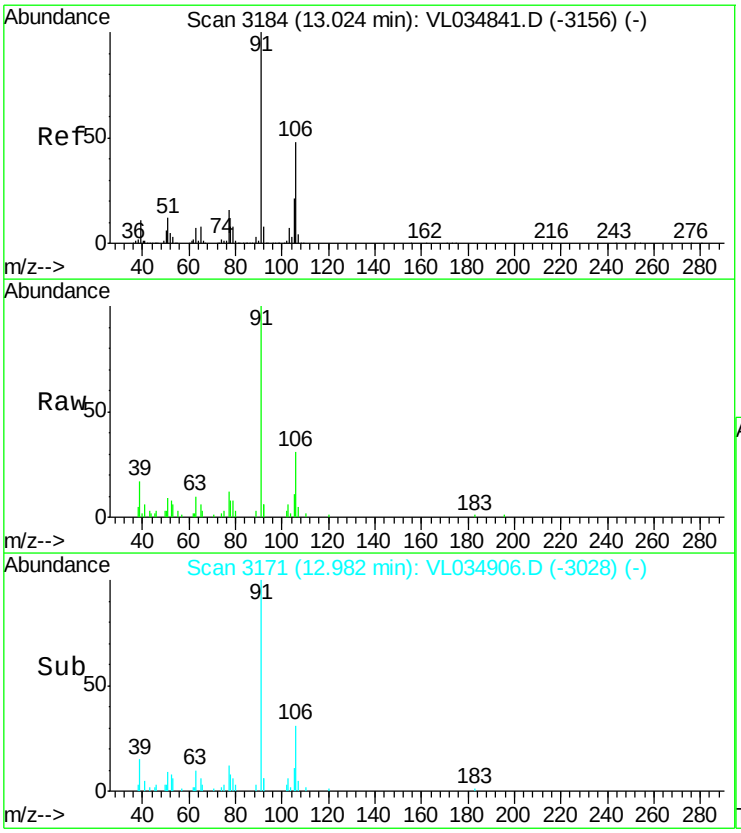
Tgt Ion:117 Resp: 1820715

Ion	Ratio	Lower	Upper
117	100		
82	70.1	51.1	76.7
119	33.5	27.3	40.9



Instrument :
MSVOA_L
ClientSampleId :
SV-03

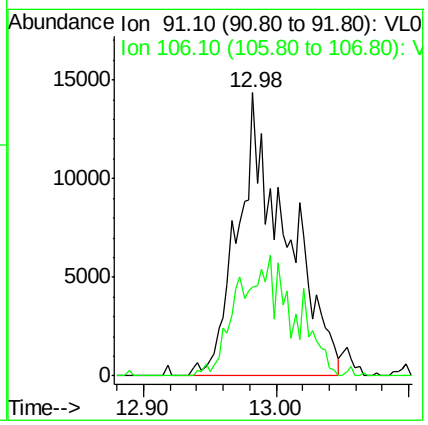
Manual Integrations APPROVED
MMDadoda
3/17/2020 12:16:17 PM

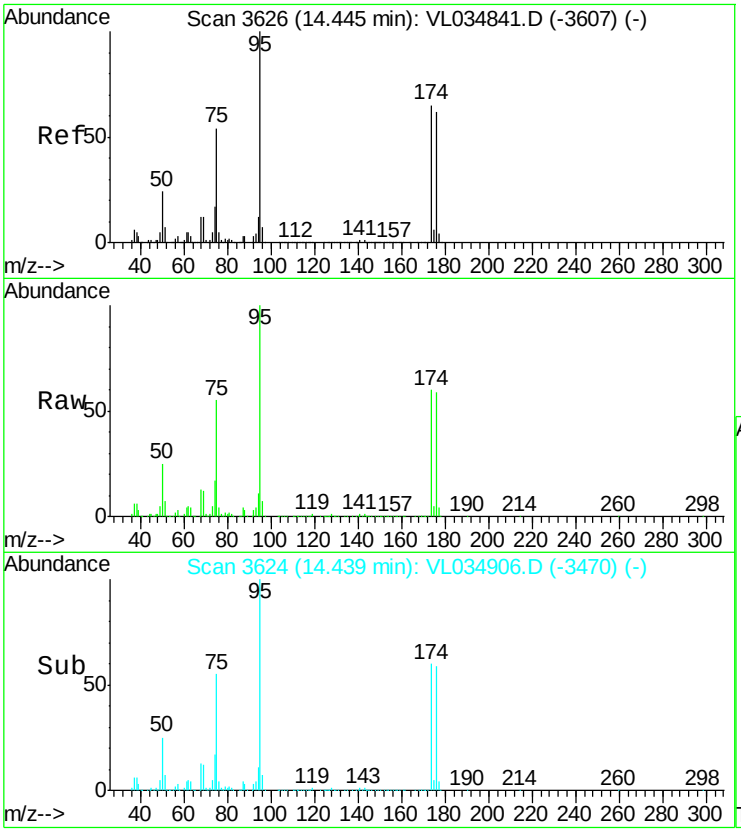


#59
m/p-Xylene
Concen: 0.175 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.04 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

Tgt Ion: 91 Resp: 36188

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.1	55.7#

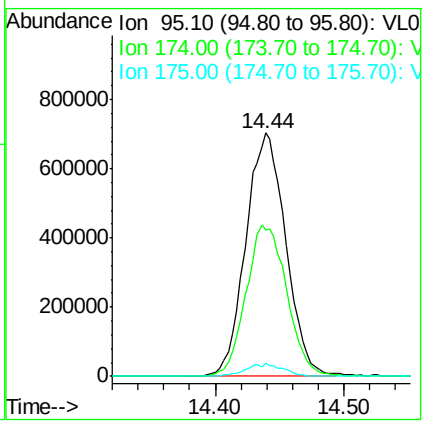




#68
1-Bromo-4-Fluorobenzene
Concen: 10.682 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.01 min
Lab File: VL034906.D
Acq: 17 Mar 2020 1:19

Tgt Ion: 95 Resp: 1516746

Ion	Ratio	Lower	Upper
95	100		
174	63.5	55.2	82.8
175	4.8	4.3	6.5



Instrument :
MSVOA_L
ClientSampleId :
SV-03

Manual Integrations APPROVED
MMDadoda
3/17/2020 12:16:17 PM