Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL033121\
Data File : VL036622.D
Acq On : 1 Apr 2021 4:46
Operator : SY/AP
Sample : M1841-08DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : PBS-OA-1DL

Manual Integrations APPROVED
MMDadoda
4/2/2021 6:54:16 PM

Quant Time: Apr 02 15:51:45 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 2
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1576537	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	3652805	10.00	ppbv		0.01
55) Chlorobenzene-d5	12.11	117	3233954	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	2497747	9.69	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.90%				
Target Compounds							Qvalue
9) Propene	3.02	41	31518m	0.336	ppbv		
13) Ethanol	3.62	45	169941m	15.197	ppbv		
15) Acetone	3.86	43	4238321	27.314	ppbv		97
17) tert-Butyl alcohol	4.33	59	234624m	1.737	ppbv		
20) Methylene Chloride	4.35	84	101516m	1.397	ppbv		
26) Hexane	5.70	57	166439	0.972	ppbv	#	45
34) 2-Butanone	5.27	43	267731	1.502	ppbv		93
53) Toluene	9.83	91	141870	0.395	ppbv		98
59) m/p-Xylene	12.98	91	71338m	0.174	ppbv		
60) o-Xylene	13.71	91	51035m	0.129	ppbv		
74) 1,2,4-Trimethylbenzene	16.80	105	61643m	0.142	ppbv		

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

Quantitation Report (QT Reviewed)

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Misc : 400mL/MSVOA_L
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Instrument :
MSVOA_L
ClientSampleId :
PBS-OA-1DL

Manual Integrations APPROVED
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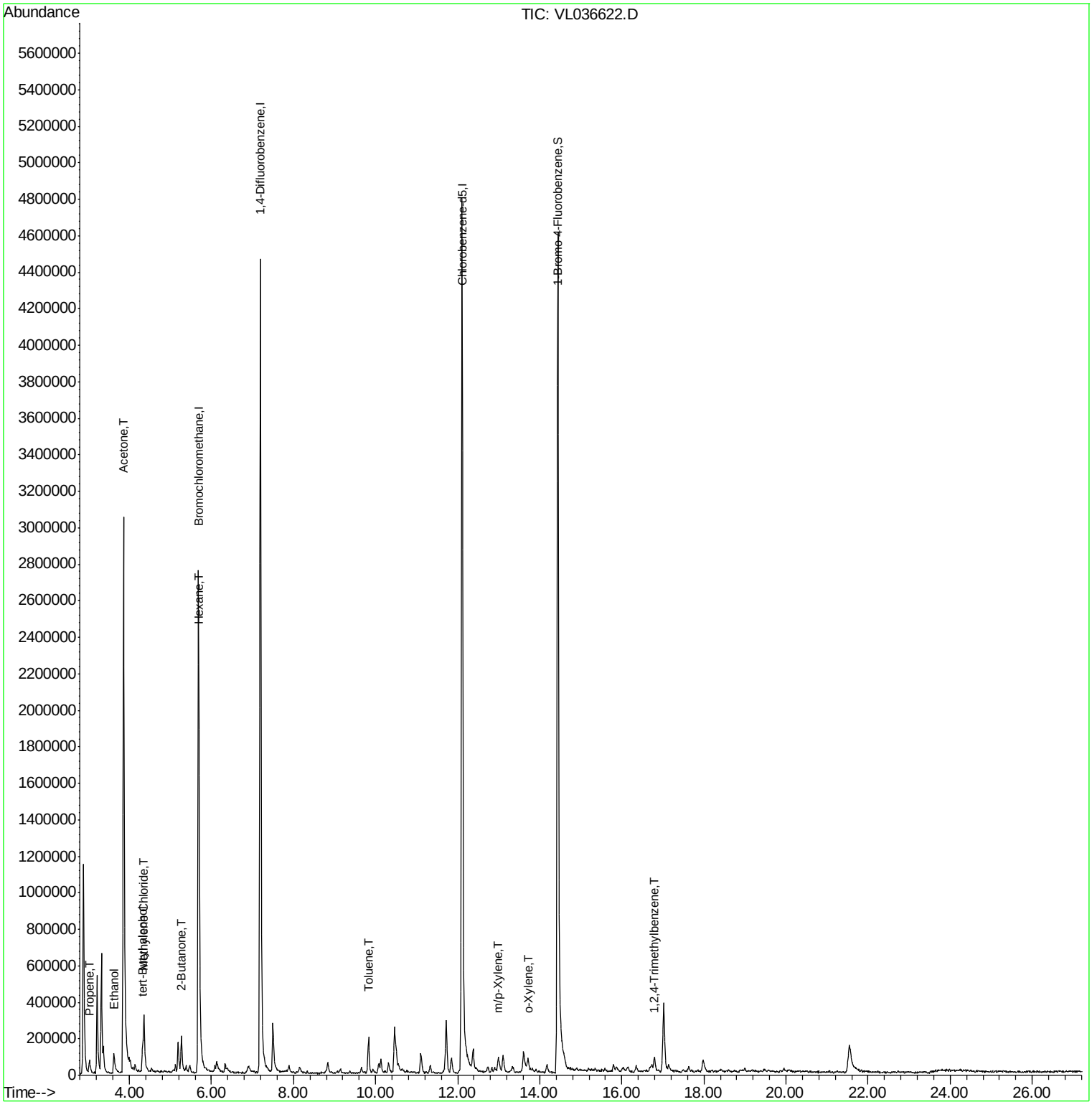
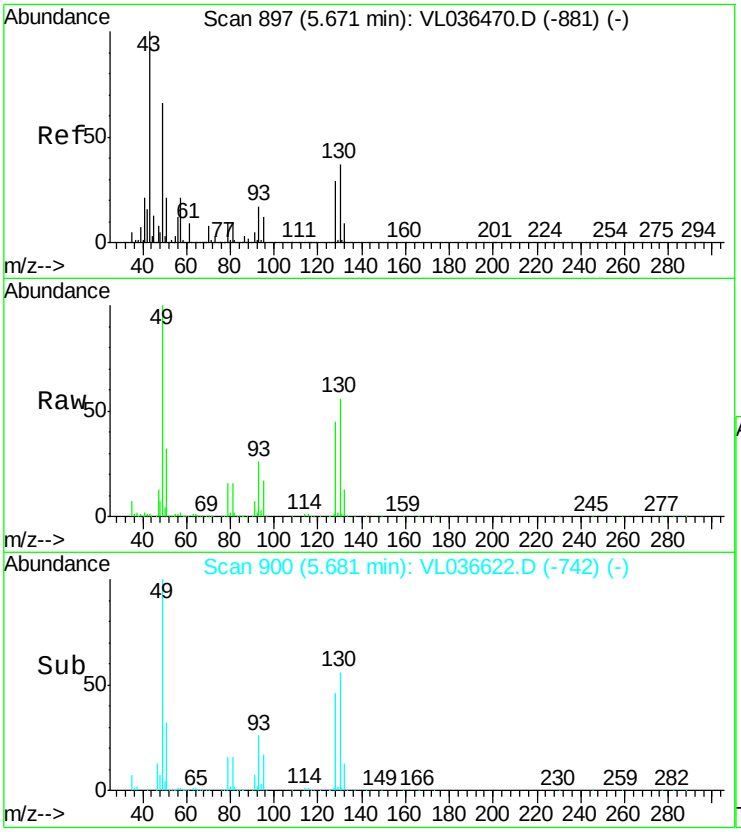
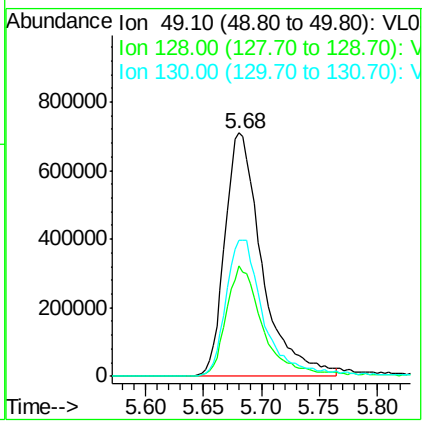




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion: 49 Resp: 1576537

Ion	Ratio	Lower	Upper
49	100		
128	45.1	23.5	70.6
130	58.0	29.1	87.4



Instrument :
MSVOA_L
ClientSampleId :
PBS-OA-1DL

Manual Integrations APPROVED
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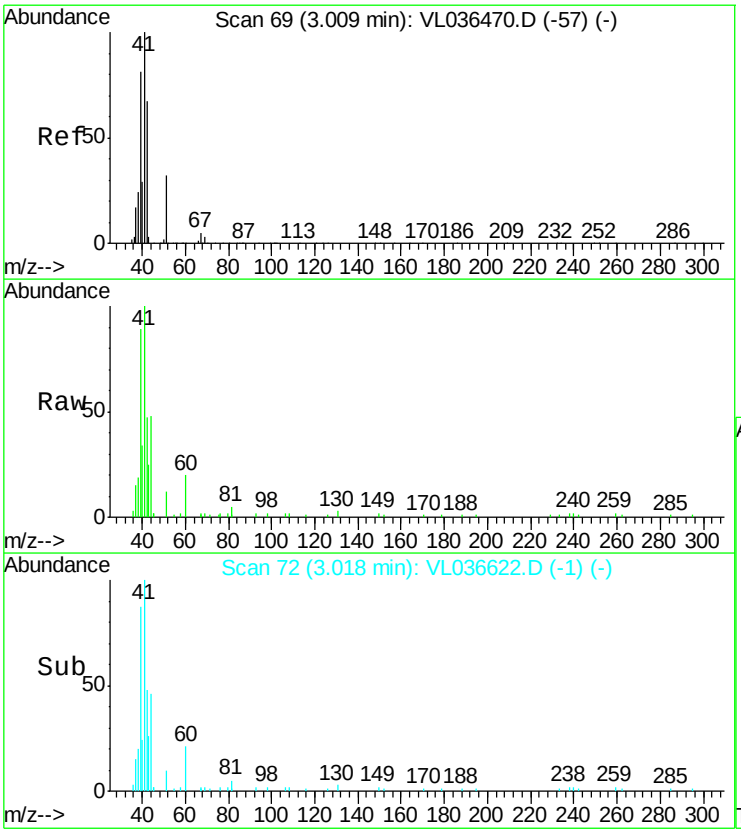
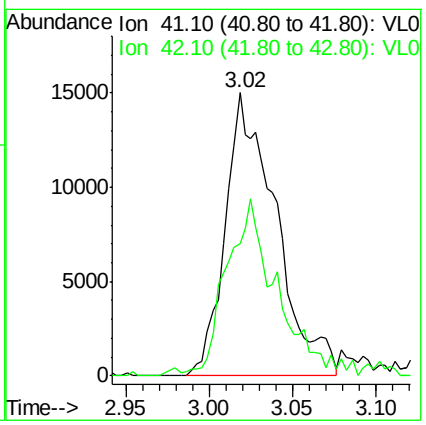
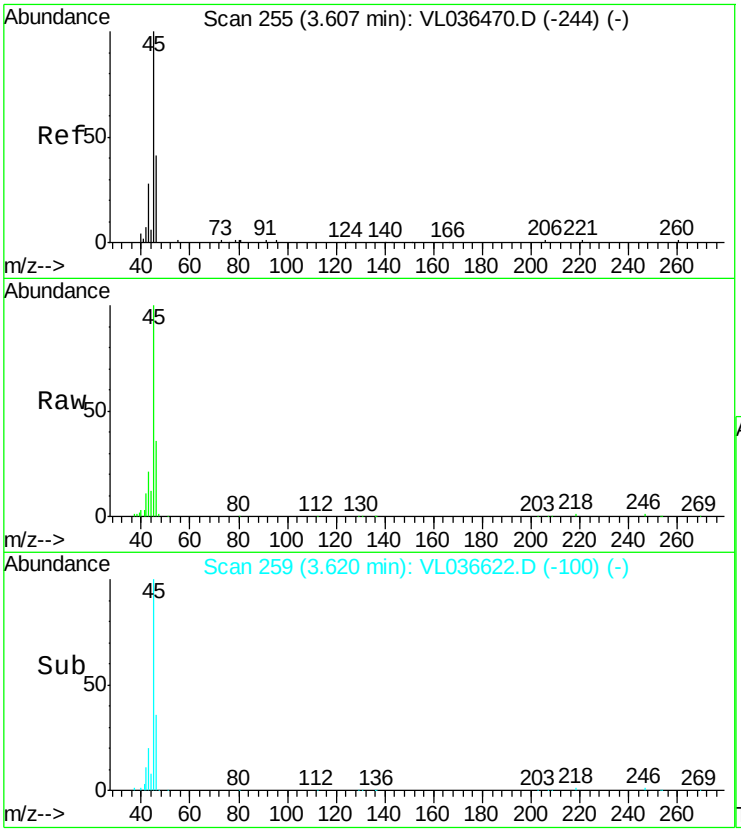


#9
Propene
Concen: 0.336 ppbv m
RT: 3.02 min Scan# 72
Delta R.T. 0.01 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion: 41 Resp: 31518

Ion	Ratio	Lower	Upper
41	100		
42	0.0	57.0	85.4#

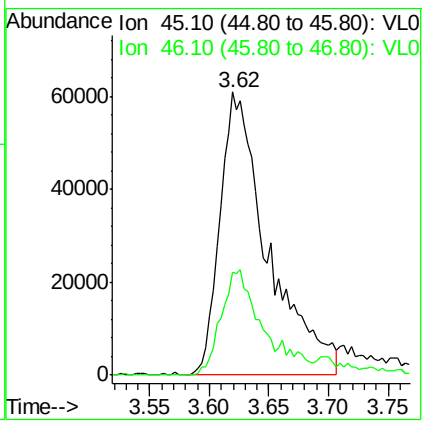




#13
Ethanol
Concen: 15.197 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion: 45 Resp: 169941

Ion	Ratio	Lower	Upper
45	100		
46	38.1	16.6	66.2



Instrument :
MSVOA_L
ClientSampleId :
PBS-OA-1DL

Manual Integrations APPROVED
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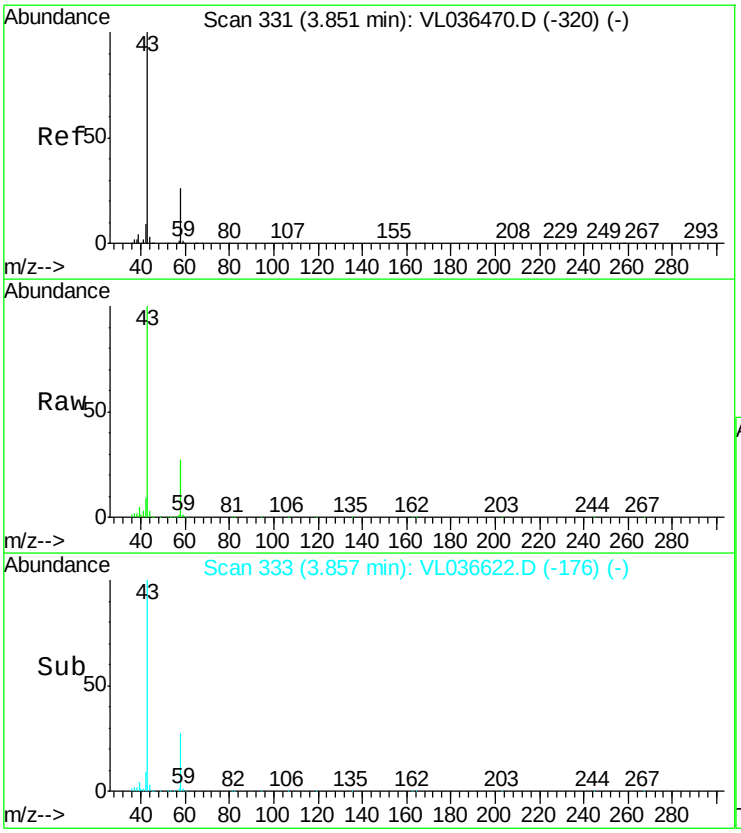
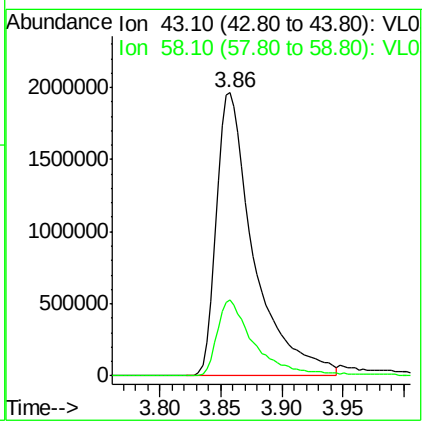
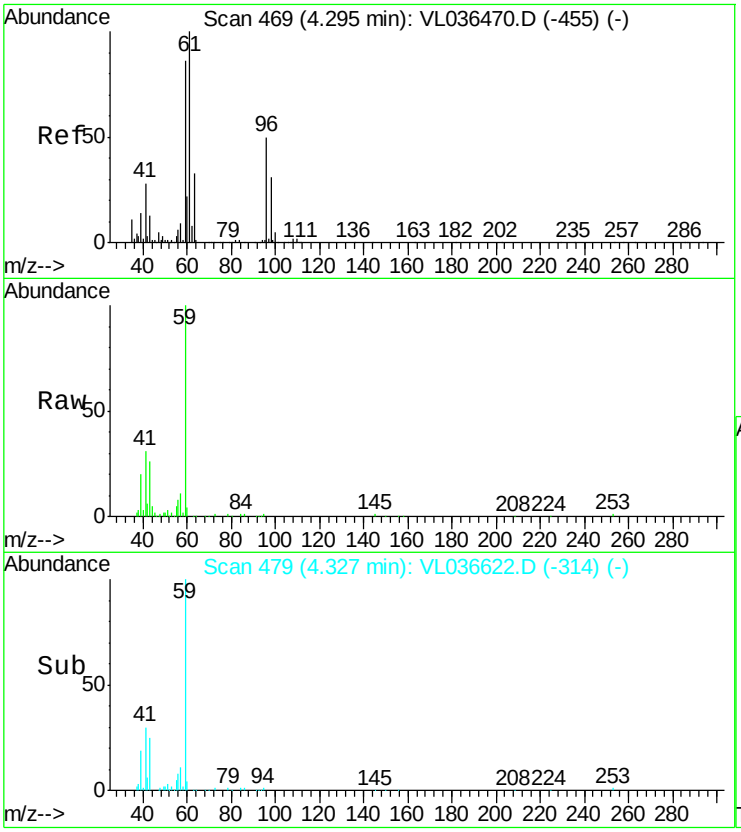


#15
Acetone
Concen: 27.314 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion: 43 Resp: 4238321

Ion	Ratio	Lower	Upper
43	100		
58	27.9	21.2	31.8

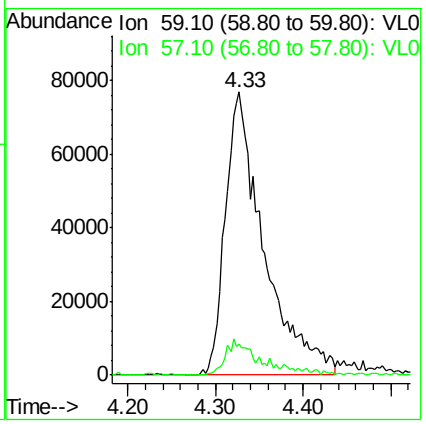




#17
tert-Butyl alcohol
Concen: 1.737 ppbv m
RT: 4.33 min Scan# 479
Delta R.T. 0.03 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion: 59 Resp: 234624

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
PBS-OA-1DL

Manual Integrations APPROVED
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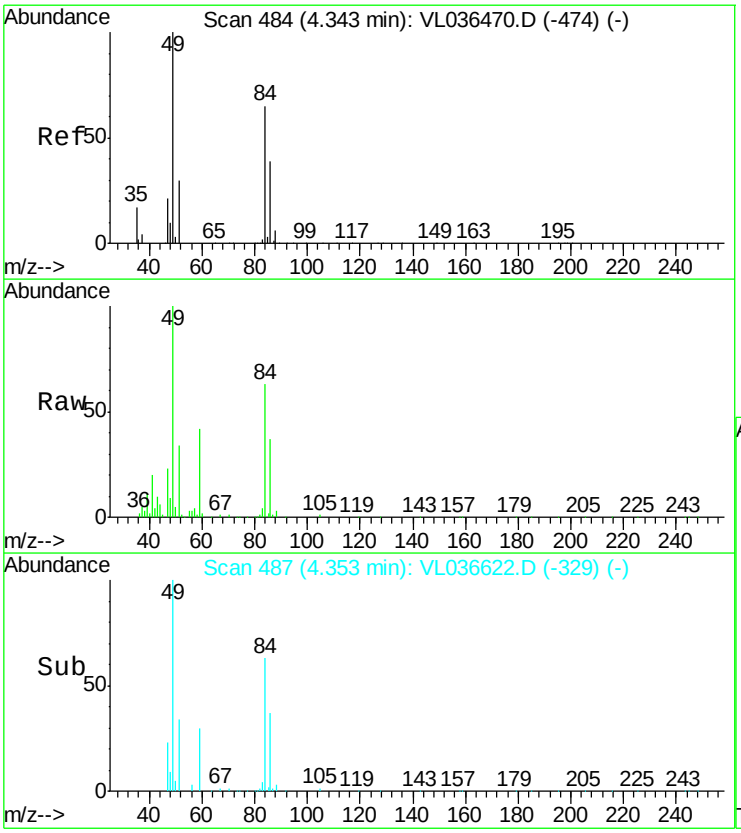
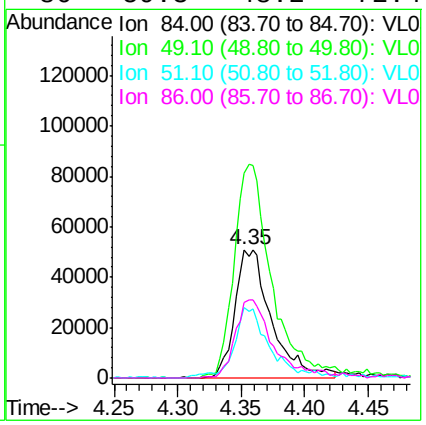
4/2/2021 6:54:16 PM

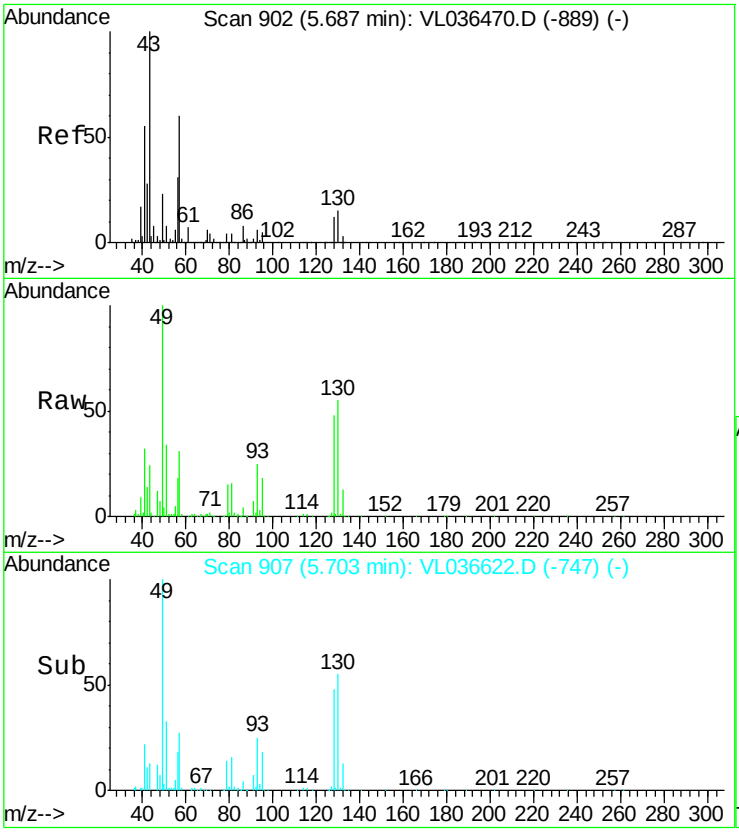


#20
Methylene Chloride
Concen: 1.397 ppbv m
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion: 84 Resp: 101516

Ion	Ratio	Lower	Upper
84	100		
49	159.9	122.9	184.3
51	54.8	36.9	55.3
86	59.3	48.2	72.4

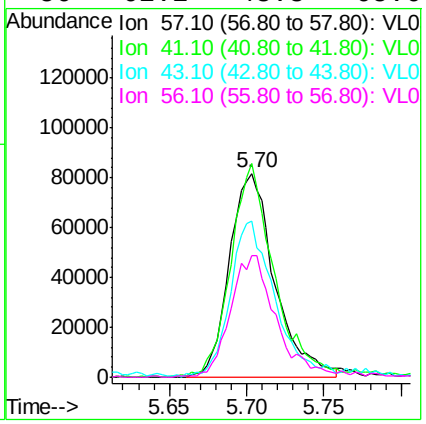




#26
Hexane
Concen: 0.972 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion: 57 Resp: 166439

Ion	Ratio	Lower	Upper
57	100		
41	104.3	77.2	115.8
43	78.4	173.8	260.6#
56	62.2	43.8	65.6



Instrument :
MSVOA_L
ClientSampleId :
PBS-OA-1DL

Manual Integrations APPROVED
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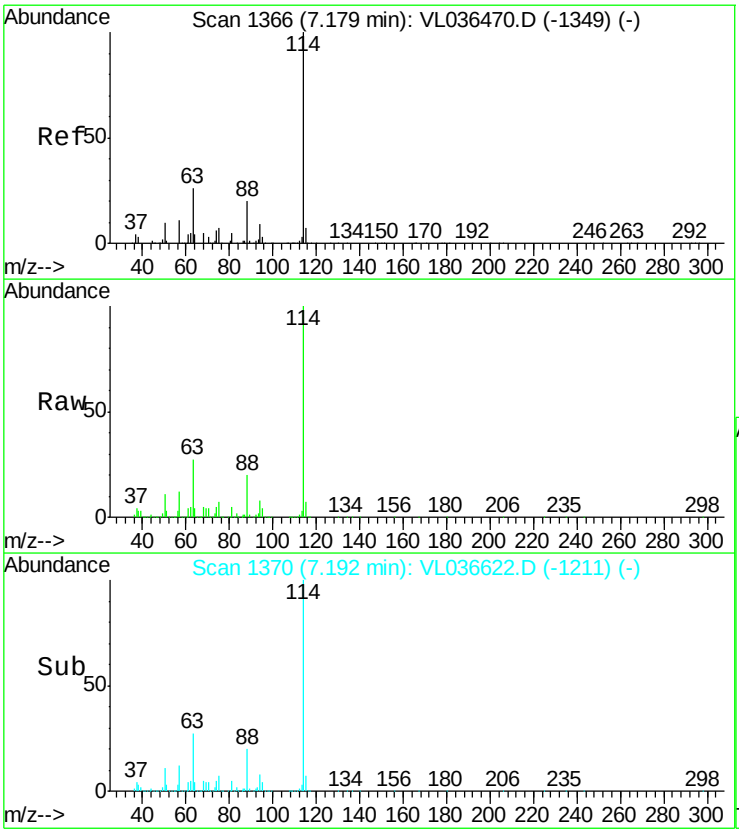
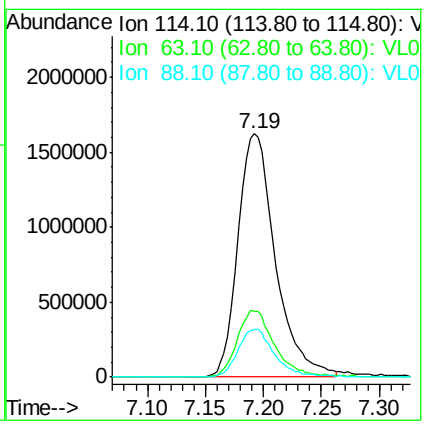
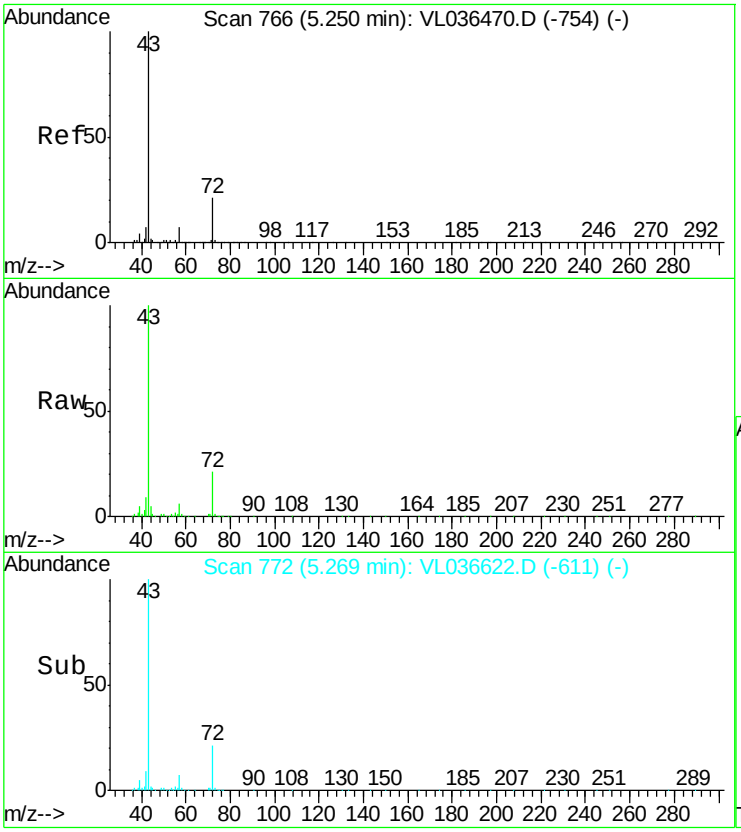


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion:114 Resp: 3652805

Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.4	33.6
88	19.8	15.4	23.0

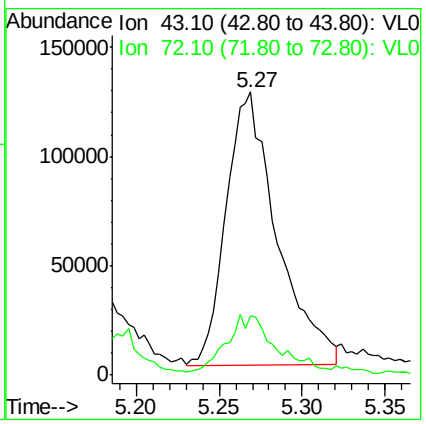




#34
2-Butanone
Concen: 1.502 ppbv
RT: 5.27 min Scan# 772
Delta R.T. 0.02 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion: 43 Resp: 267731

Ion	Ratio	Lower	Upper
43	100		
72	24.7	17.0	25.6



Instrument :
MSVOA_L
ClientSampleId :
PBS-OA-1DL

Manual Integrations APPROVED
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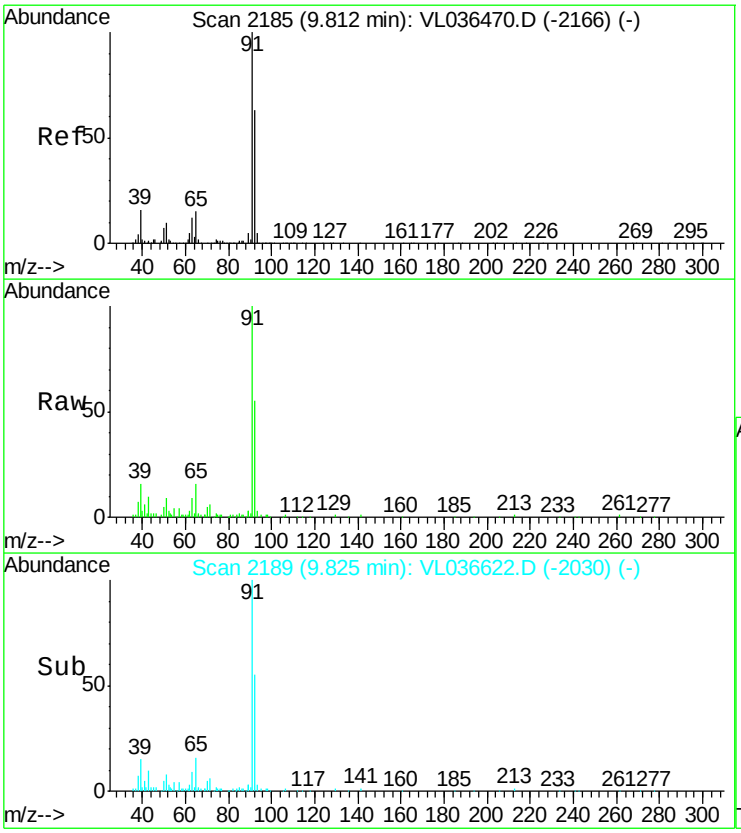
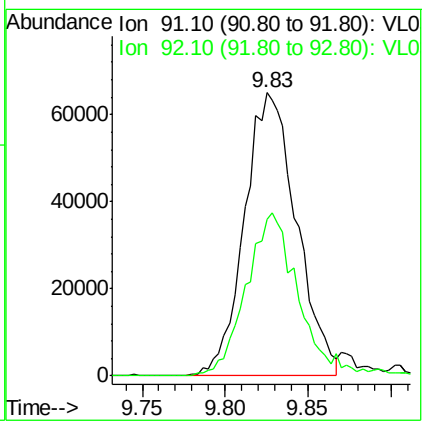
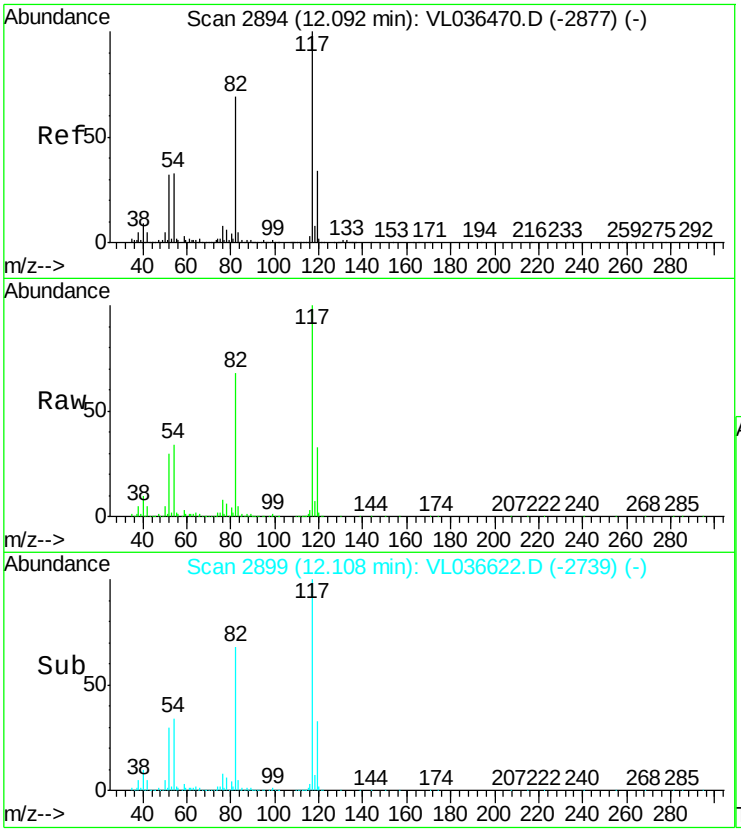


#53
Toluene
Concen: 0.395 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. 0.01 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion: 91 Resp: 141870

Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.8	73.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.02 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion:117 Resp: 3233954

Ion	Ratio	Lower	Upper
117	100		
82	71.8	57.4	86.0
119	34.0	47.4	71.0#

Instrument :
MSVOA_L
ClientSampleId :
PBS-OA-1DL

Manual Integrations APPROVED
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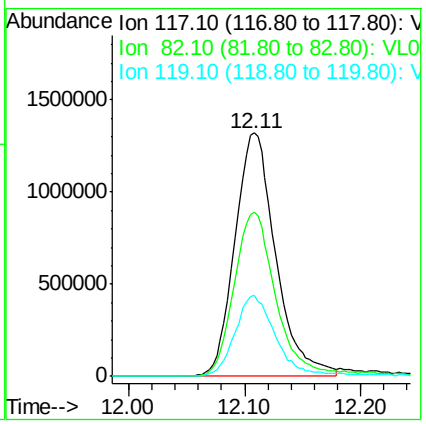
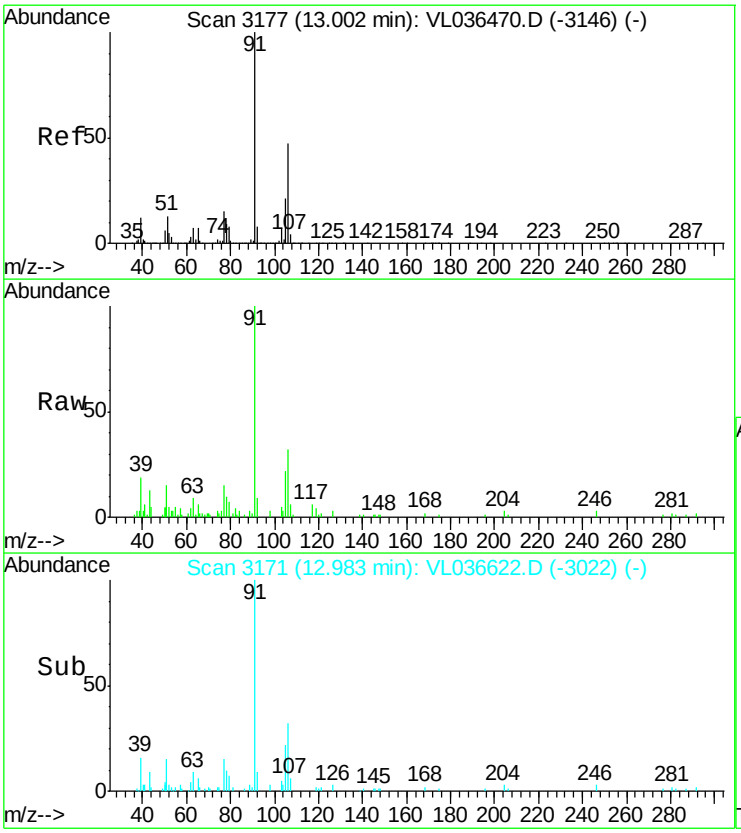
4/2/2021 6:54:16 PM

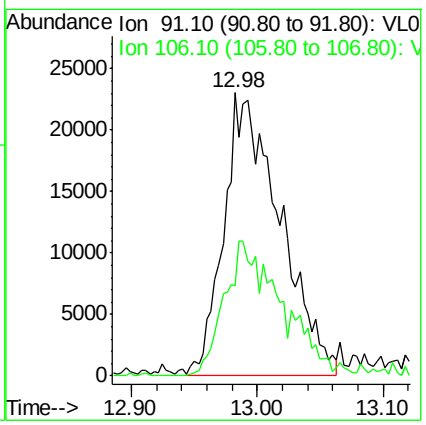


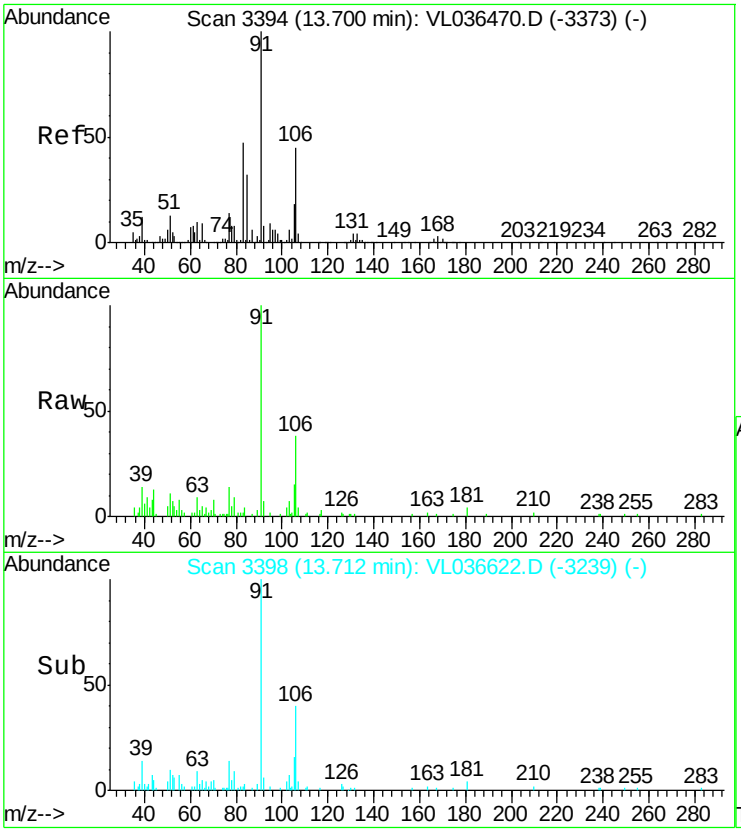


#59
m/p-Xylene
Concen: 0.174 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.02 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion: 91 Resp: 71338

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#





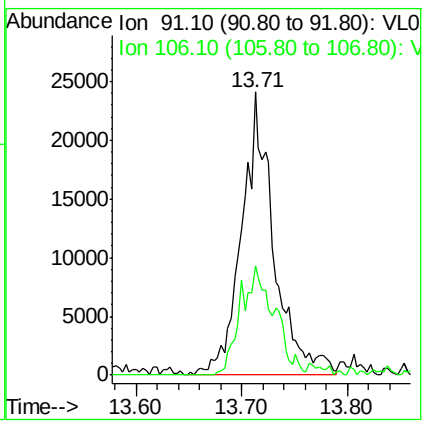
#60
o-Xylene
Concen: 0.129 ppbv m
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

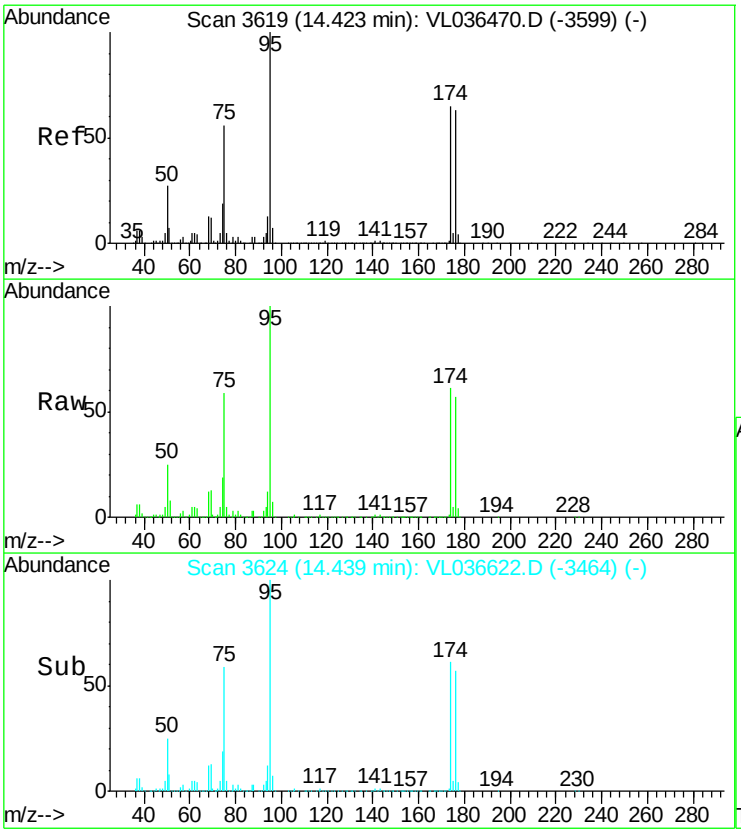
Tgt Ion: 91 Resp: 51035

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.3	66.9#

Instrument :
MSVOA_L
ClientSampleId :
PBS-OA-1DL

Manual Integrations APPROVED
MMDadoda
4/2/2021 6:54:16 PM

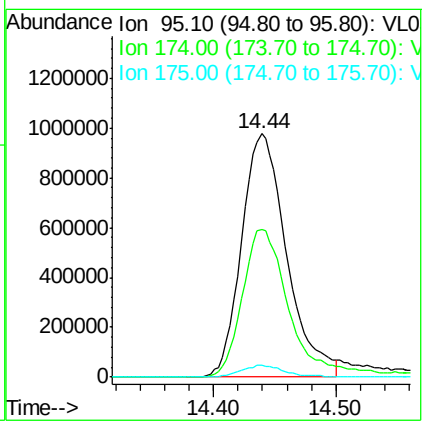


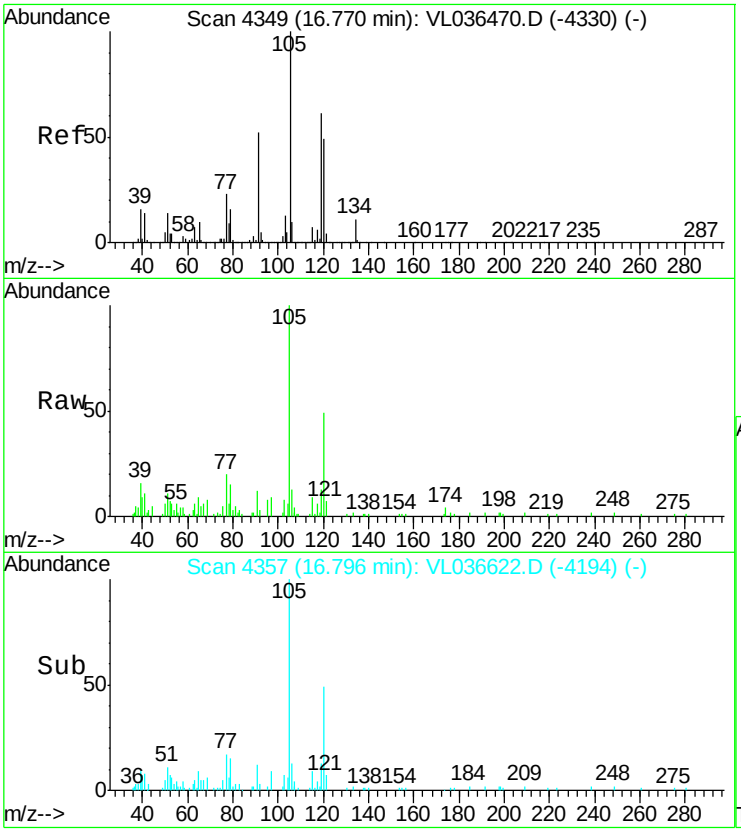


#68
1-Bromo-4-Fluorobenzene
Concen: 9.691 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. 0.02 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion: 95 Resp: 2497747

Ion	Ratio	Lower	Upper
95	100		
174	66.4	51.0	76.6
175	4.8	3.9	5.9

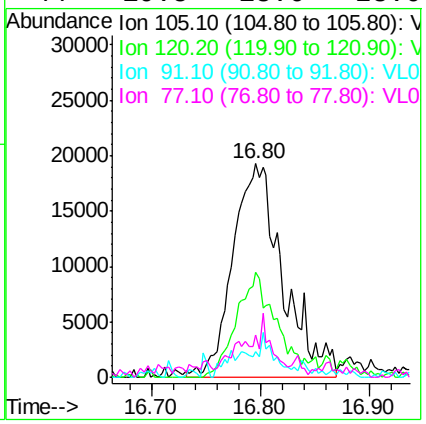




#74
1,2,4-Trimethylbenzene
Concen: 0.142 ppbv m
RT: 16.80 min Scan# 4357
Delta R.T. 0.03 min
Lab File: VL036622.D
Acq: 1 Apr 2021 4:46

Tgt Ion:105 Resp: 61643

Ion	Ratio	Lower	Upper
105	100		
120	49.0	39.2	58.8
91	12.2	42.6	64.0#
77	19.5	18.6	28.0



Instrument :
MSVOA_L
ClientSampleId :
PBS-OA-1DL

Manual Integrations APPROVED
MMDadoda
4/2/2021 6:54:16 PM