Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040721\
Data File : VL036736.D
Acq On : 7 Apr 2021 21:21
Operator : SY/AP
Sample : M1929-06DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : Z18A-SS01DL

Manual Integrations APPROVED
MMDadoda
4/12/2021 11:16:15 AM

Quant Time: Apr 08 04:29:17 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Apr 0
QLast Update : Thu Apr 08 01:58:43 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1273656	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3181536	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	2603741	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2073052	9.99	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.90%				
Target Compounds							Qvalue
9) Propene	3.02	41	15646m	0.206	ppbv		
13) Ethanol	3.63	45	18524m	2.050	ppbv		
15) Acetone	3.85	43	150402	1.200	ppbv	#	78
20) Methylene Chloride	4.34	84	62295m	1.061	ppbv		
26) Hexane	5.68	57	35536	0.257	ppbv	#	43
34) 2-Butanone	5.26	43	28668m	0.185	ppbv		
52) Tetrachloroethene	11.22	164	43626m	0.404	ppbv		
53) Toluene	9.80	91	30314m	0.097	ppbv		

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

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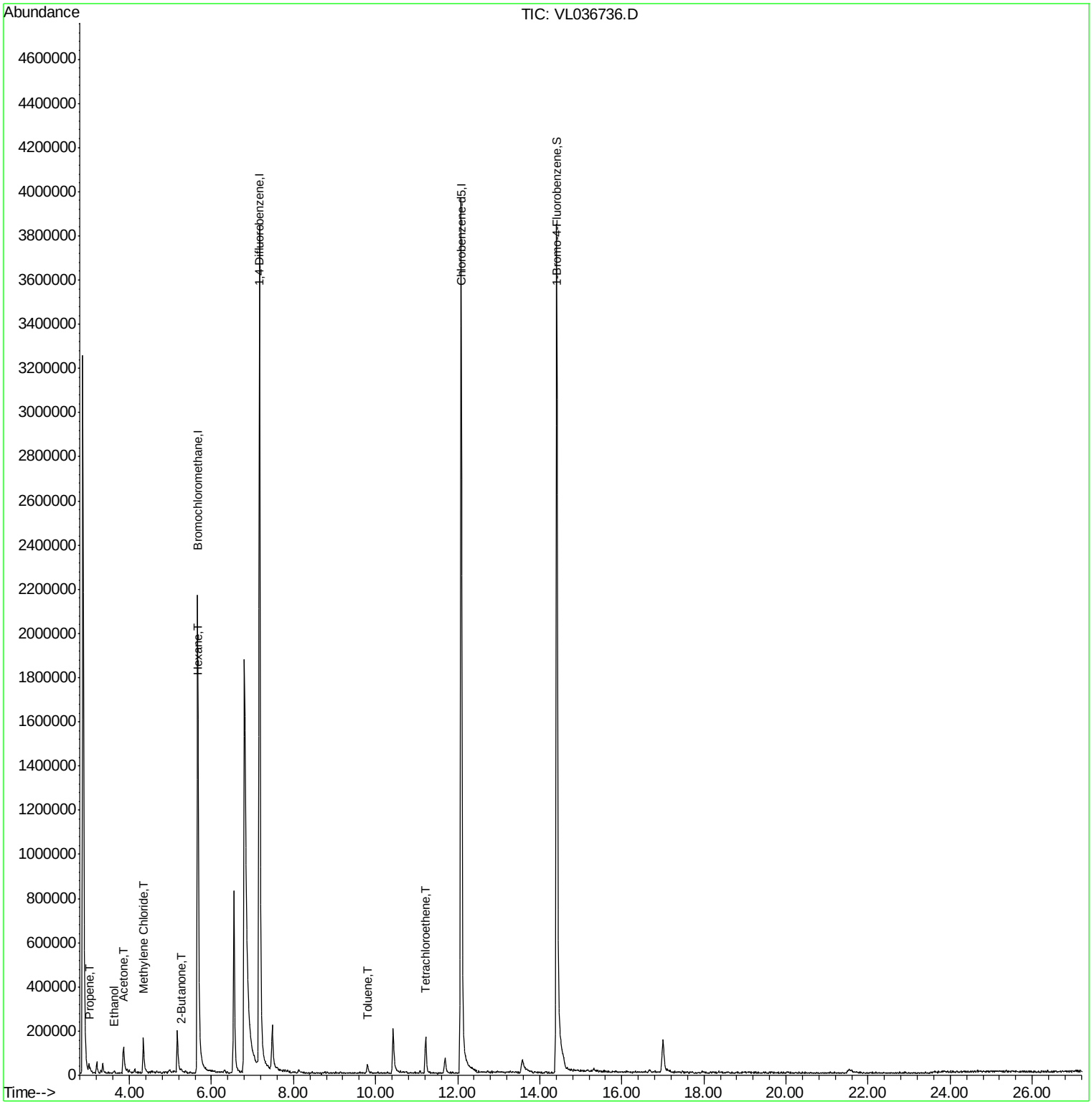
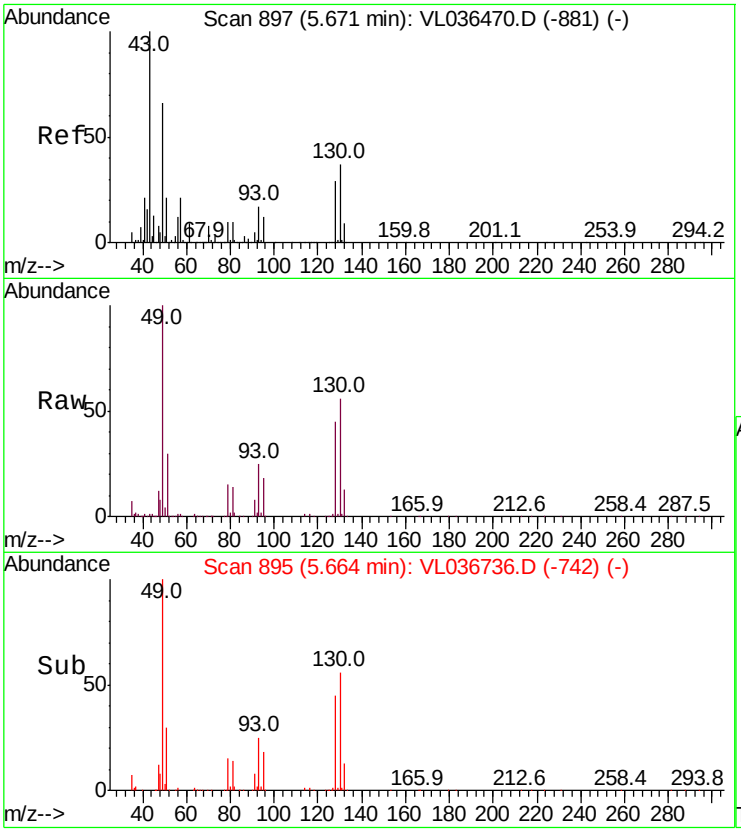
Instrument :
MSVOA_L
ClientSampleId :
Z18A-SS01DL

Manual Integrations APPROVED
MMDadoda
4/12/2021 11:16:15 AM

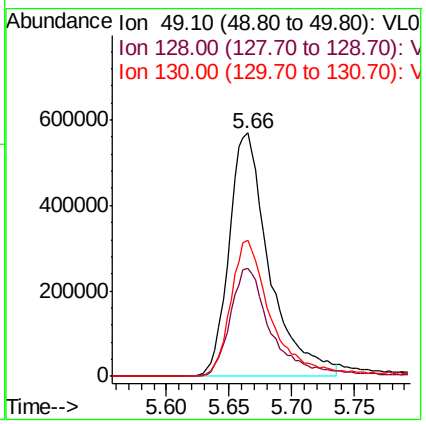




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

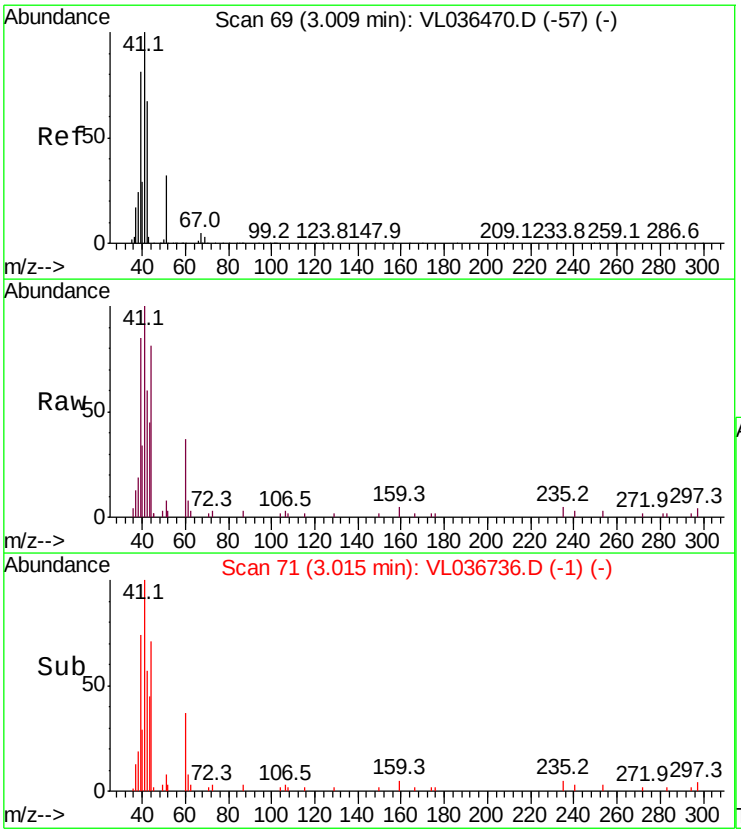
Tgt Ion: 49 Resp: 1273656

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.5	70.6
130	58.1	29.1	87.4



Instrument :
MSVOA_L
ClientSampleId :
Z18A-SS01DL

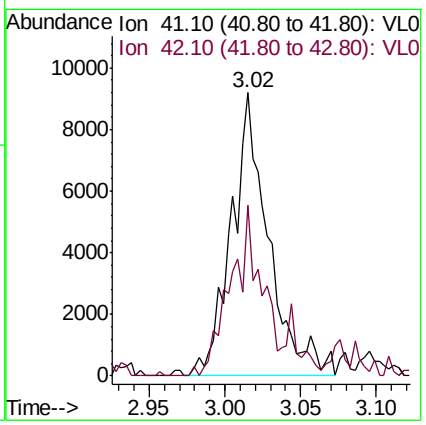
Manual Integrations APPROVED
MMDadoda
4/12/2021 11:16:15 AM

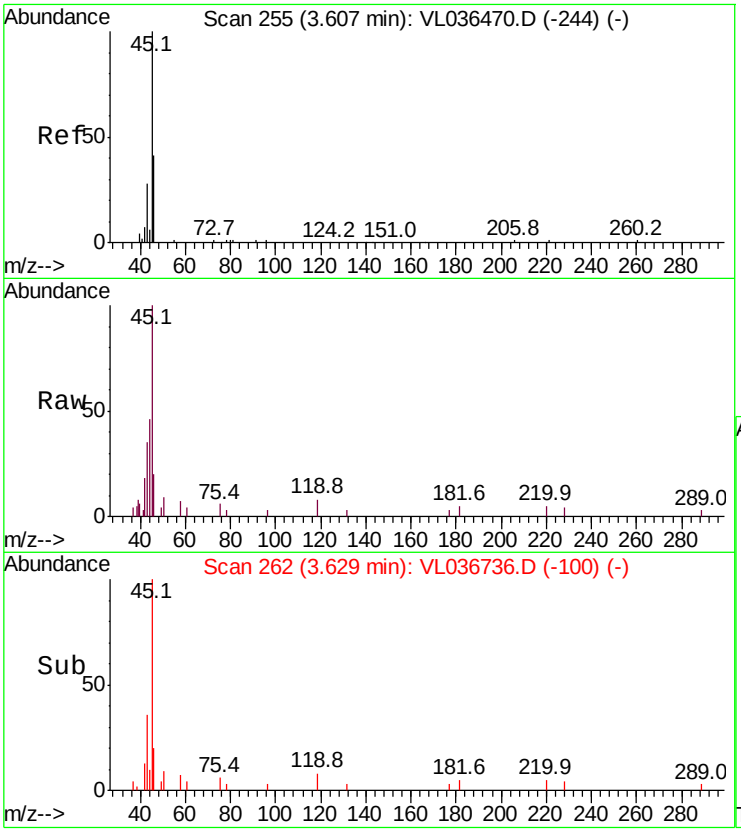


#9
Propene
Concen: 0.206 ppbv m
RT: 3.02 min Scan# 71
Delta R.T. 0.01 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

Tgt Ion: 41 Resp: 15646

Ion	Ratio	Lower	Upper
41	100		
42	52.7	57.0	85.4#





#13
Ethanol
Concen: 2.050 ppbv m
RT: 3.63 min Scan# 262
Delta R.T. 0.02 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

Tgt Ion: 45 Resp: 18524

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.6	66.2#

Instrument :
MSVOA_L
ClientSampleId :
Z18A-SS01DL

Manual Integrations APPROVED
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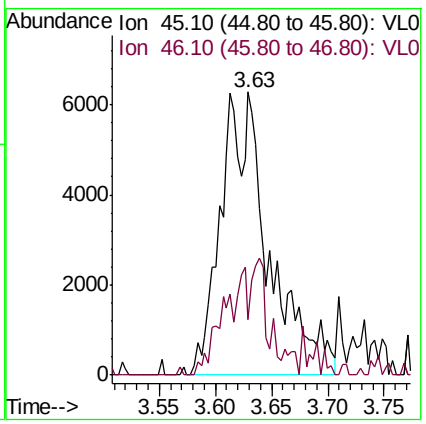
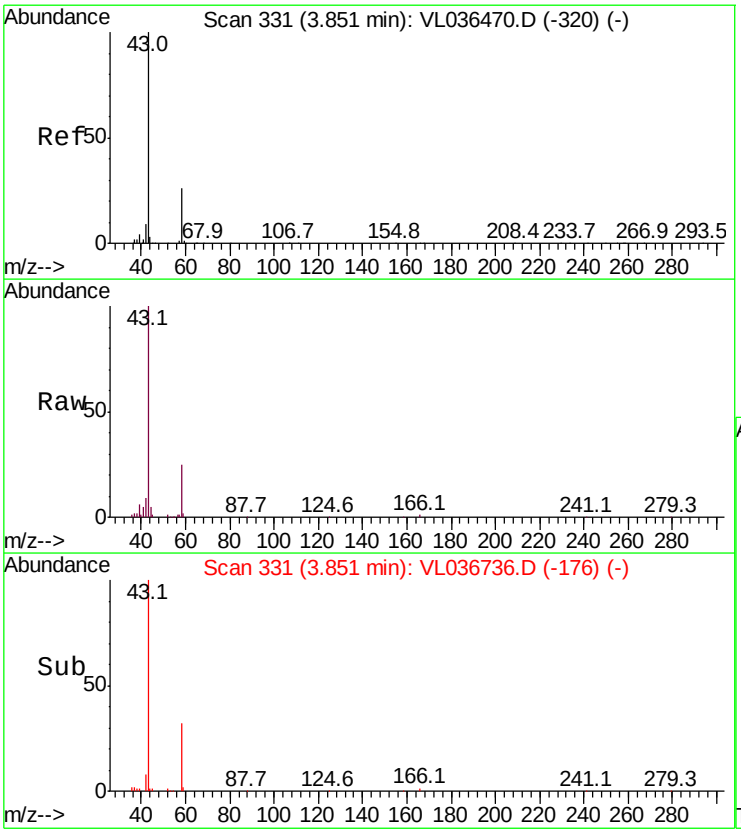
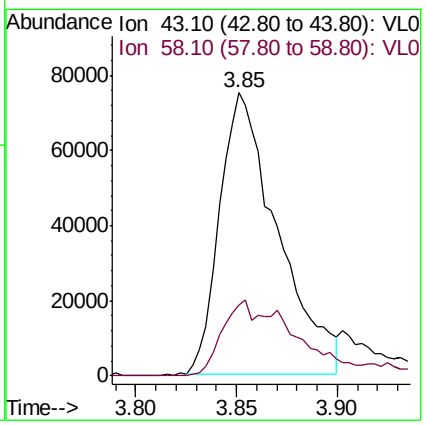


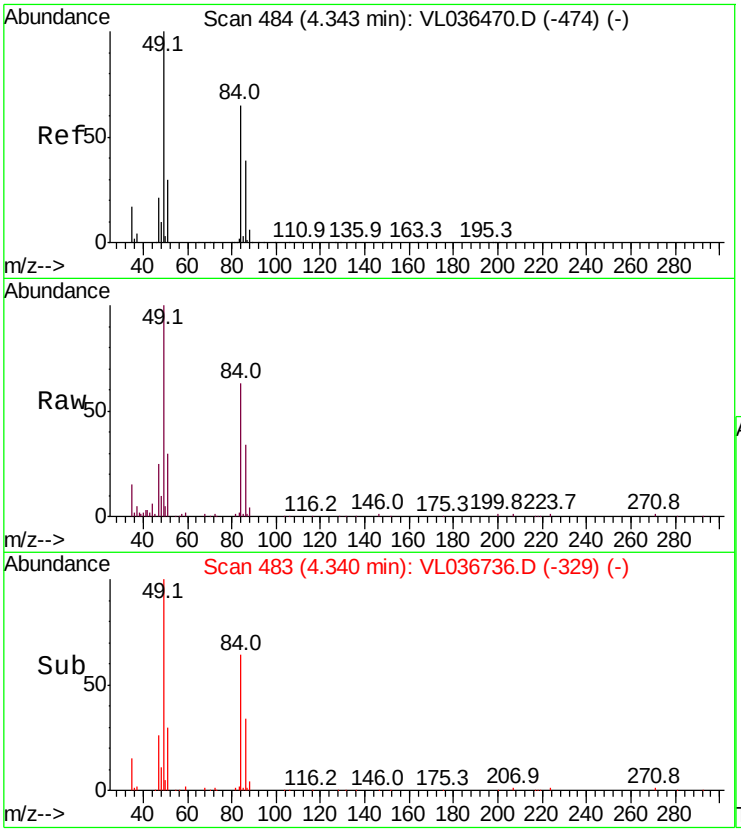


#15
Acetone
Concen: 1.200 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

Tgt Ion: 43 Resp: 150402

Ion	Ratio	Lower	Upper
43	100		
58	37.8	21.2	31.8#

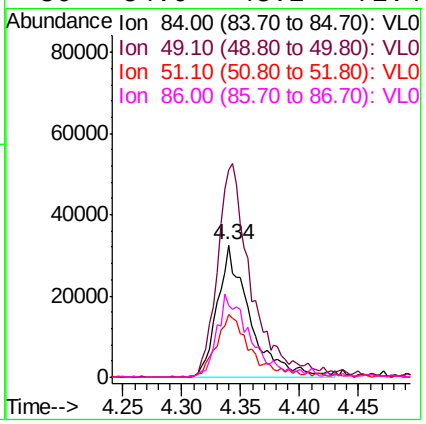




#20
Methylene Chloride
Concen: 1.061 ppbv m
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

Tgt Ion: 84 Resp: 62295

Ion	Ratio	Lower	Upper
84	100		
49	157.6	122.9	184.3
51	47.6	36.9	55.3
86	54.0	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
Z18A-SS01DL

Manual Integrations APPROVED
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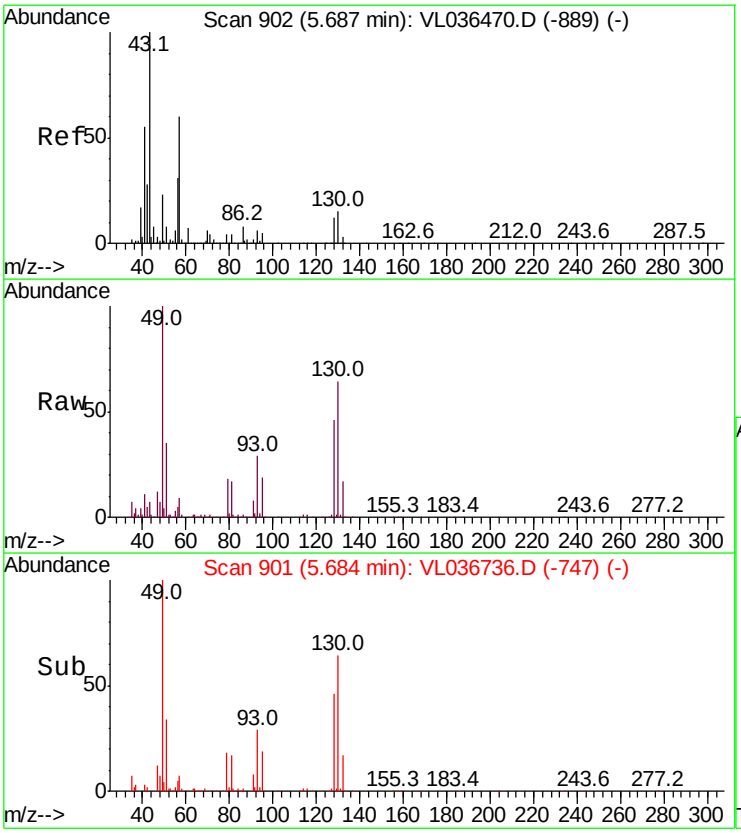
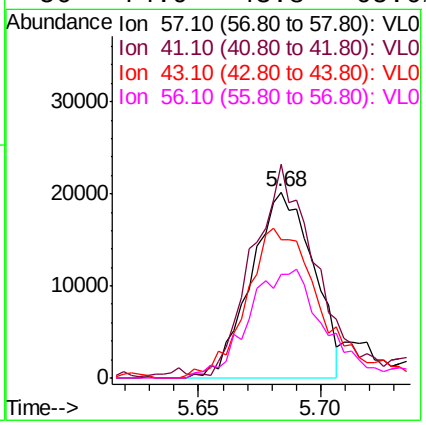
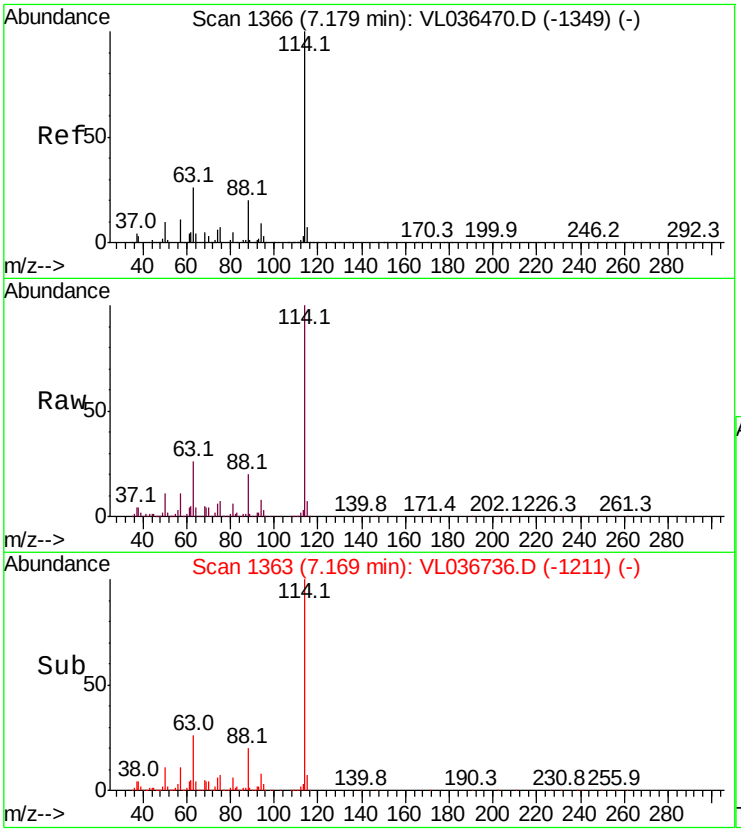


#26
Hexane
Concen: 0.257 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

Tgt Ion: 57 Resp: 35536

Ion	Ratio	Lower	Upper
57	100		
41	127.6	77.2	115.8#
43	97.5	173.8	260.6#
56	74.9	43.8	65.6#

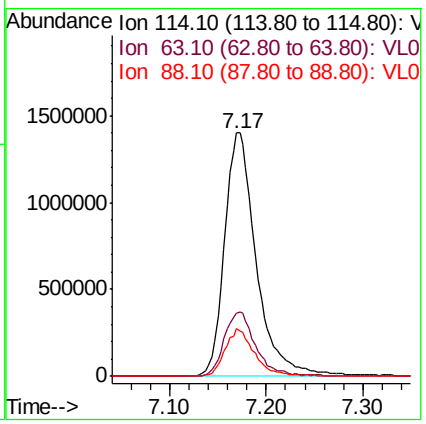




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

Tgt Ion:114 Resp: 3181536

Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.4	33.6
88	18.4	15.4	23.0



Instrument :
MSVOA_L
ClientSampleId :
Z18A-SS01DL

Manual Integrations APPROVED
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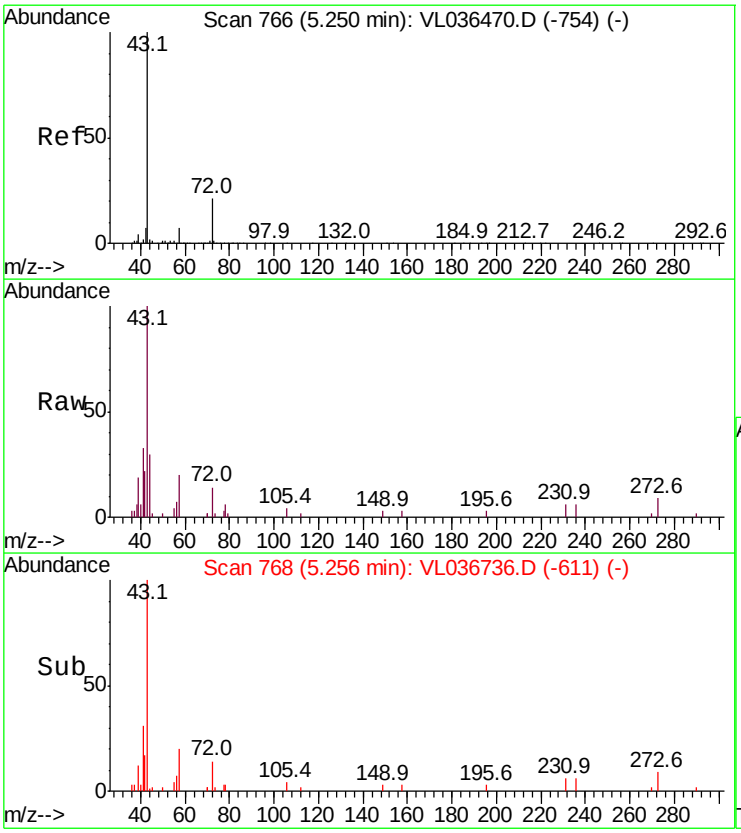
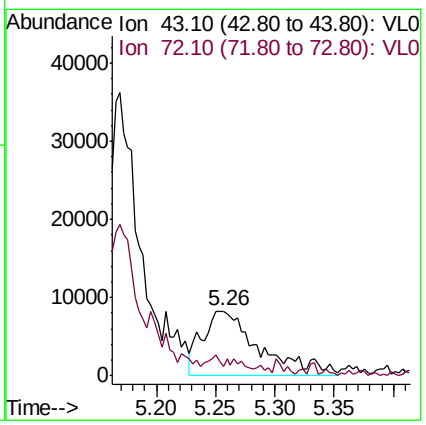
4/12/2021 11:16:15 AM

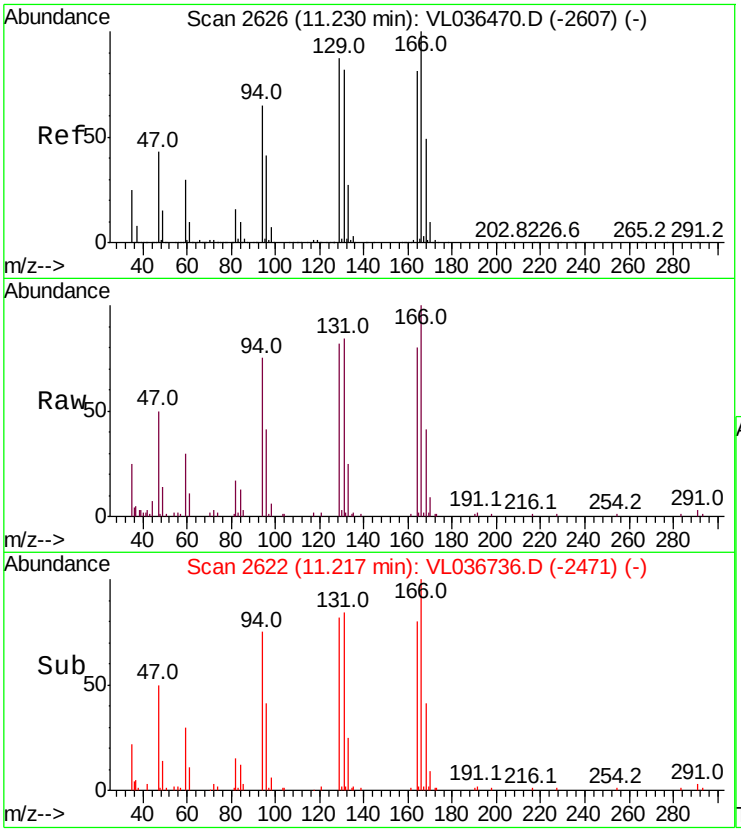


#34
2-Butanone
Concen: 0.185 ppbv m
RT: 5.26 min Scan# 768
Delta R.T. 0.01 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

Tgt Ion: 43 Resp: 28668

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.0	25.6#

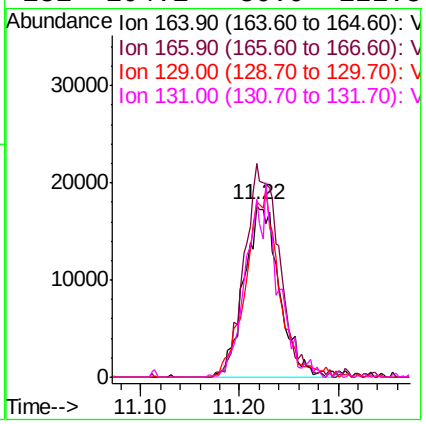




#52
Tetrachloroethene
Concen: 0.404 ppbv m
RT: 11.22 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

Tgt Ion:164 Resp: 43626

Ion	Ratio	Lower	Upper
164	100		
166	124.5	98.3	147.5
129	102.1	85.8	128.8
131	104.1	80.9	121.3



Instrument :
MSVOA_L
ClientSampleId :
Z18A-SS01DL

Manual Integrations APPROVED
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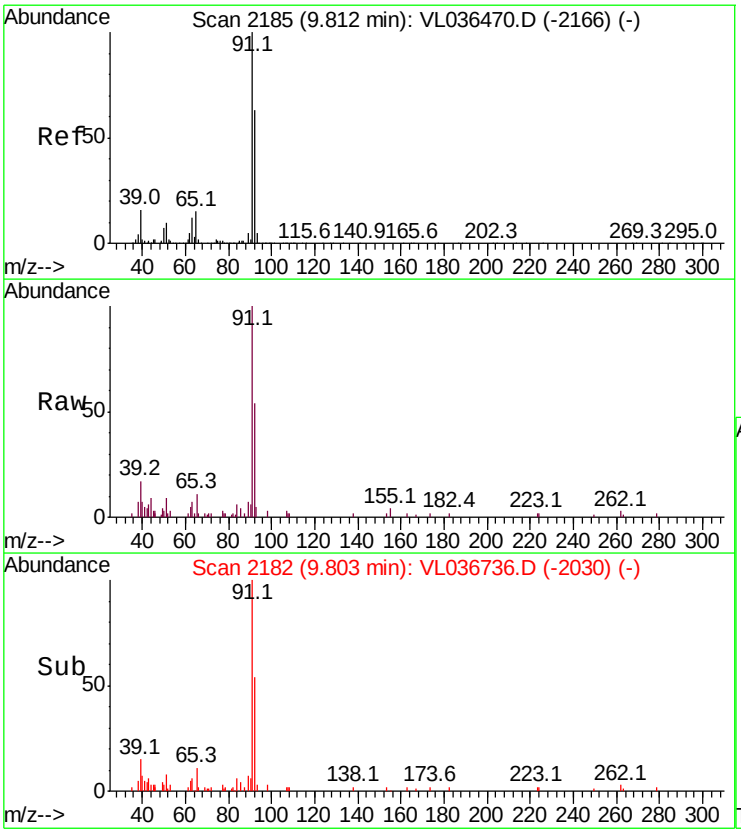
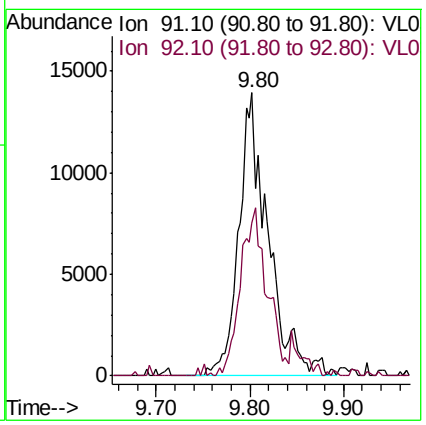
4/12/2021 11:16:15 AM

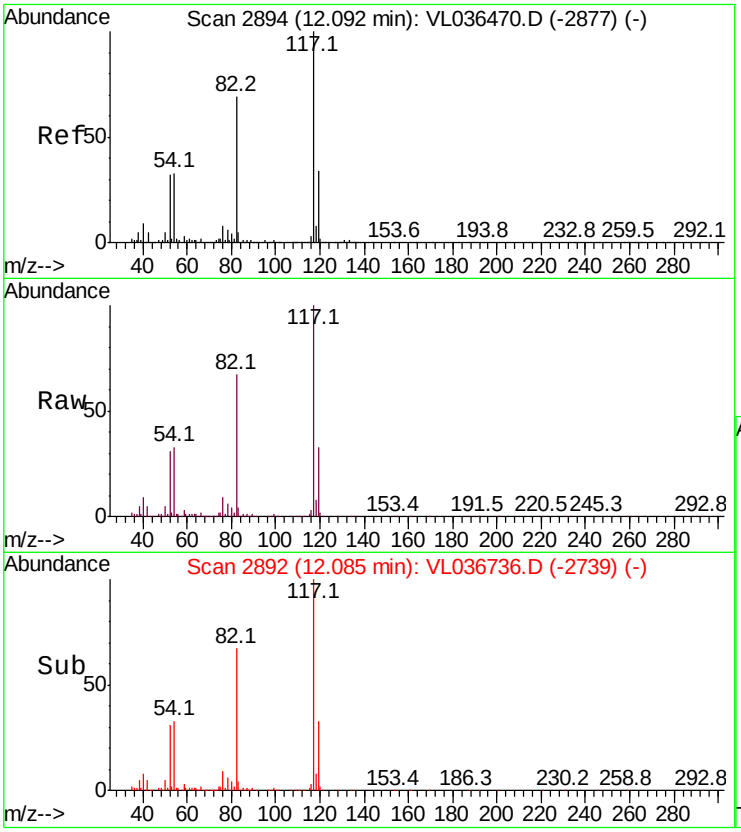


#53
Toluene
Concen: 0.097 ppbv m
RT: 9.80 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

Tgt Ion: 91 Resp: 30314

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.8	73.2

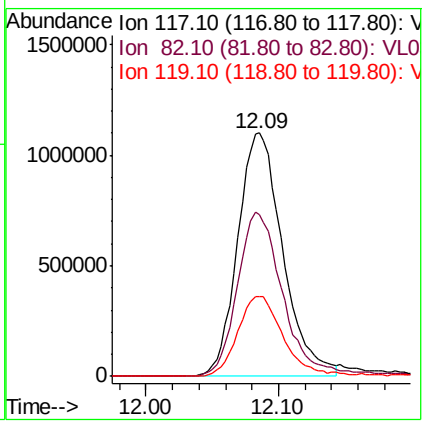




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

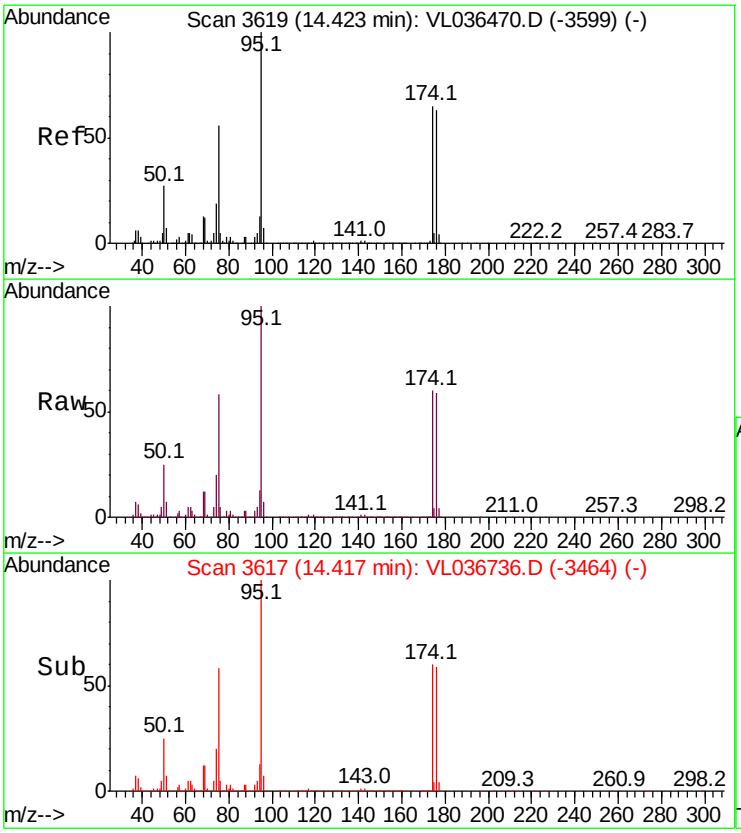
Tgt Ion:117 Resp: 2603741

Ion	Ratio	Lower	Upper
117	100		
82	70.0	57.4	86.0
119	34.3	47.4	71.0#

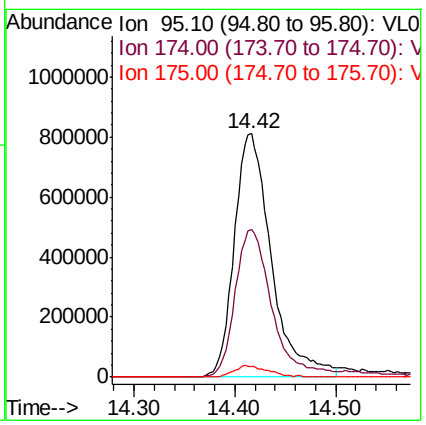


Instrument :
MSVOA_L
ClientSampleId :
Z18A-SS01DL

Manual Integrations APPROVED
MMDadoda
4/12/2021 11:16:15 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.990 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

Tgt Ion: 95 Resp: 2073052

Ion	Ratio	Lower	Upper
95	100		
174	64.0	51.0	76.6
175	4.6	3.9	5.9