Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110320\
Data File : VL035816.D
Acq On : 3 Nov 2020 23:18
Operator : SY/AP
Sample : L4604-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

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11/5/2020 2:14:21 PM

Quant Time: Nov 04 05:52:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1158437	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	5121291	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4738880	10.00	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3397382	10.09	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.90%			
Target Compounds						Qvalue
9) Propene	3.00	41	18526m	0.365	ppbv	
13) Ethanol	3.61	45	4557m	0.414	ppbv	
15) Acetone	3.84	43	59009	0.476	ppbv #	70
20) Methylene Chloride	4.32	84	40781	0.468	ppbv	99
26) Hexane	5.66	57	22479	0.167	ppbv #	46
29) Chloroform	5.73	83	133136	0.503	ppbv	91
35) Carbon Tetrachloride	6.99	117	12886	0.047	ppbv	90
53) Toluene	9.78	91	77416	0.169	ppbv	99
59) m/p-Xylene	12.95	91	107417m	0.220	ppbv	
60) o-Xylene	13.67	91	50939	0.107	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	64523m	0.114	ppbv	

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

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MSVOA_L
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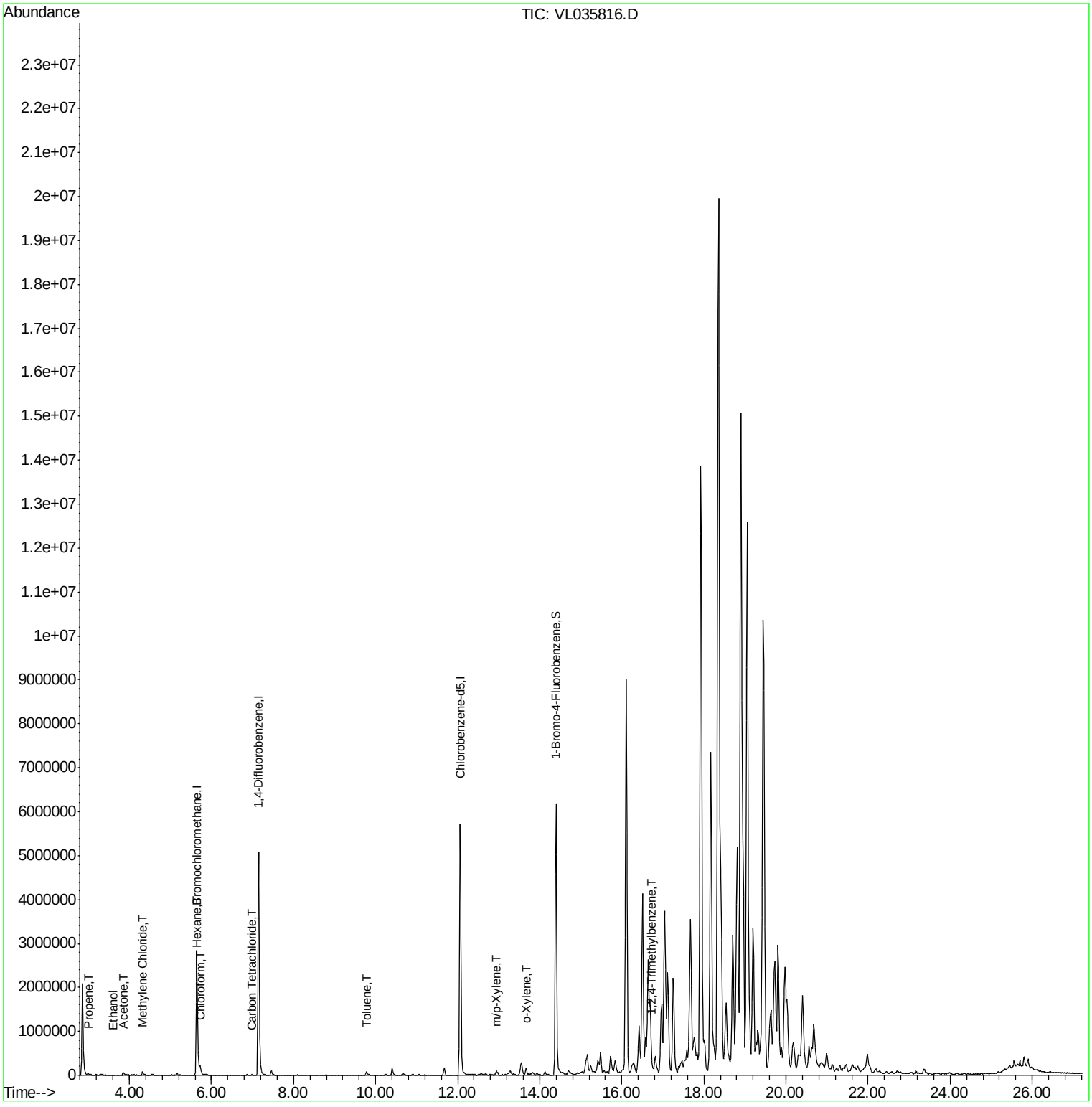
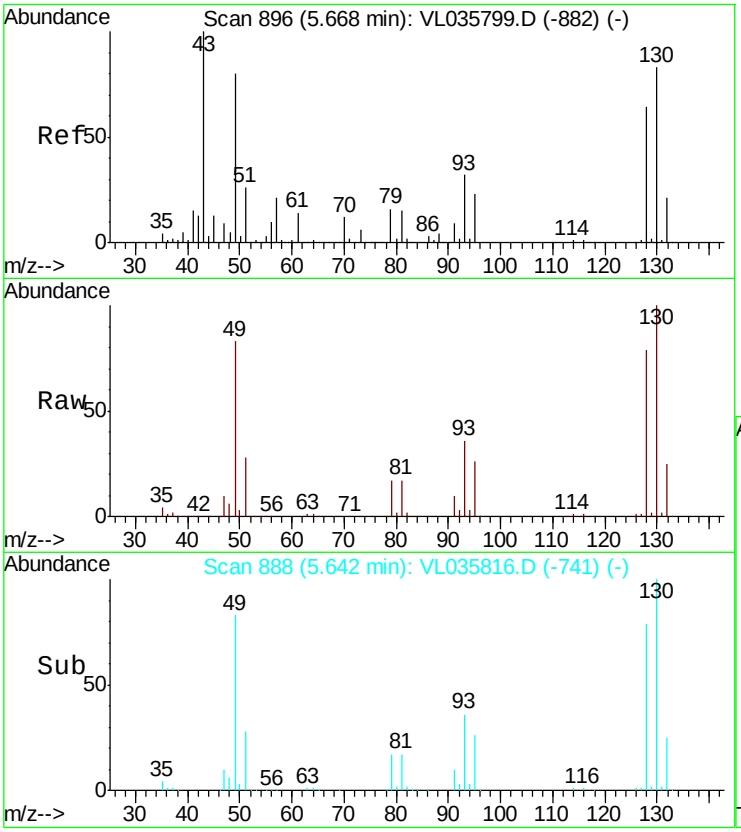
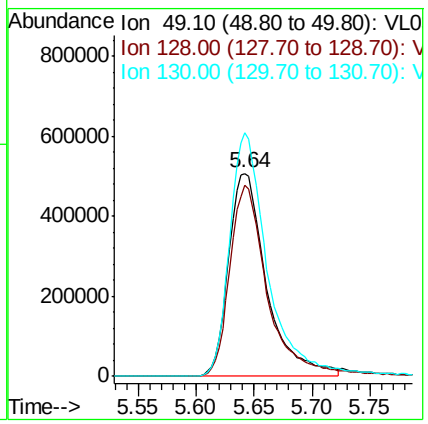




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.03 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion: 49 Resp: 1158437

Ion	Ratio	Lower	Upper
49	100		
128	95.0	41.5	124.6
130	121.9	53.7	161.1



Instrument :
MSVOA_L
ClientSampleId :
SV1

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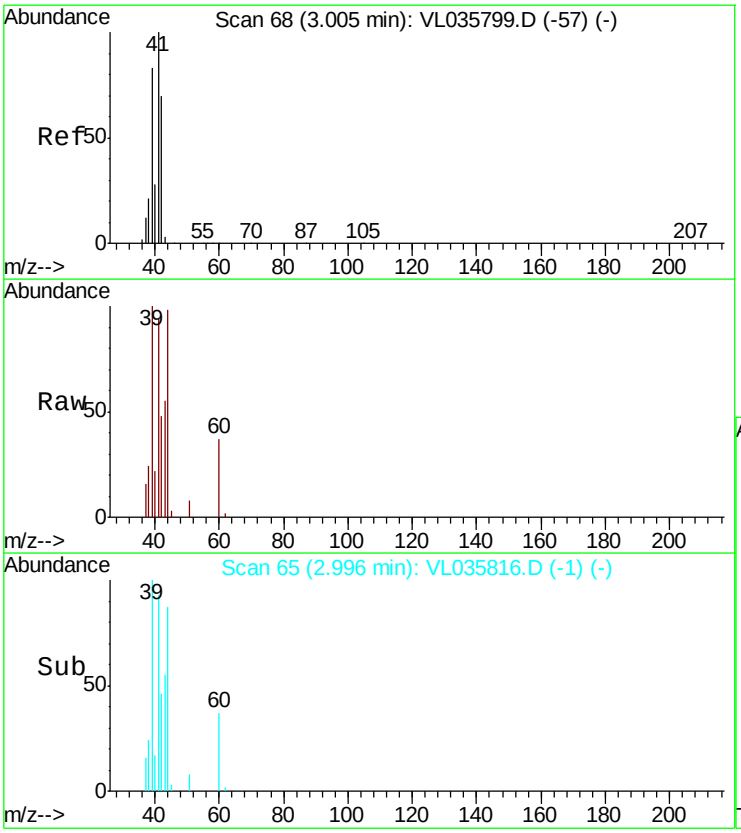
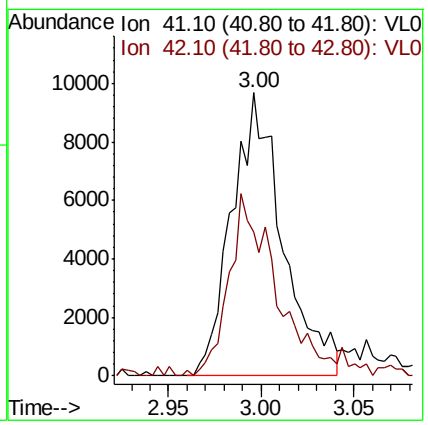
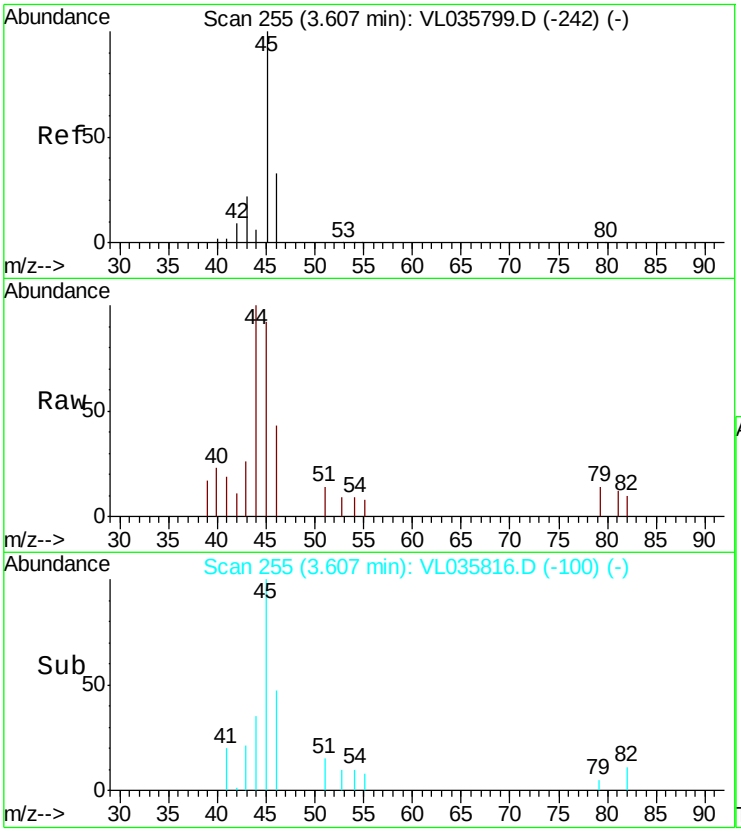


#9
Propene
Concen: 0.365 ppbv m
RT: 3.00 min Scan# 65
Delta R.T. -0.01 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion: 41 Resp: 18526

Ion	Ratio	Lower	Upper
41	100		
42	64.0	56.2	84.4





#13
Ethanol
Concen: 0.414 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion: 45 Resp: 4557

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.1	64.5#

Instrument :
MSVOA_L
ClientSampleId :
SV1

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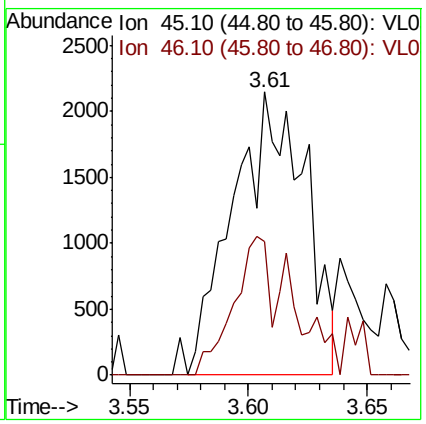
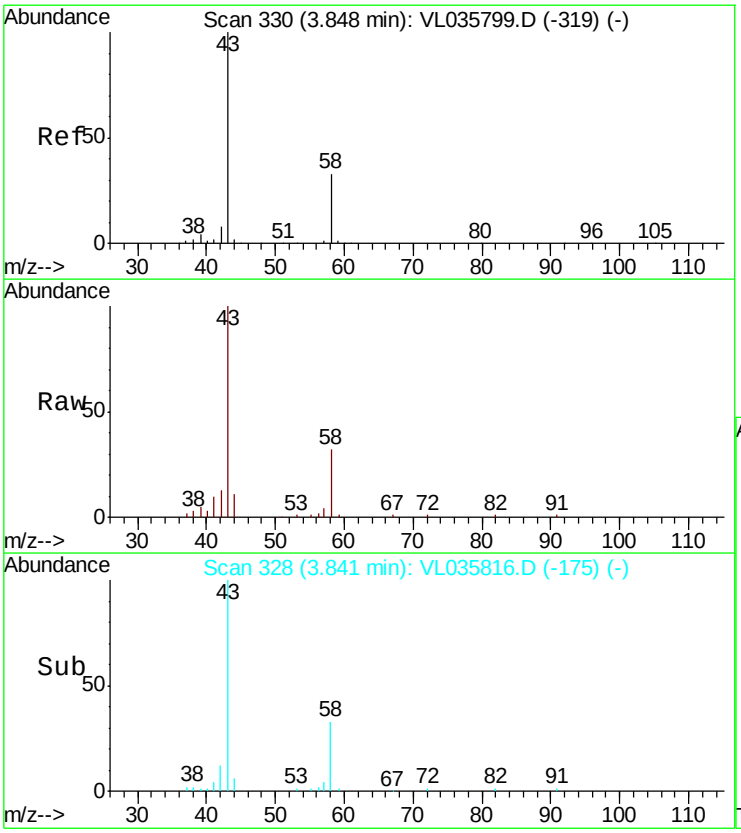
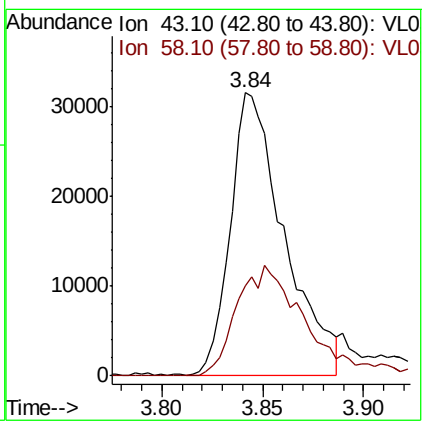


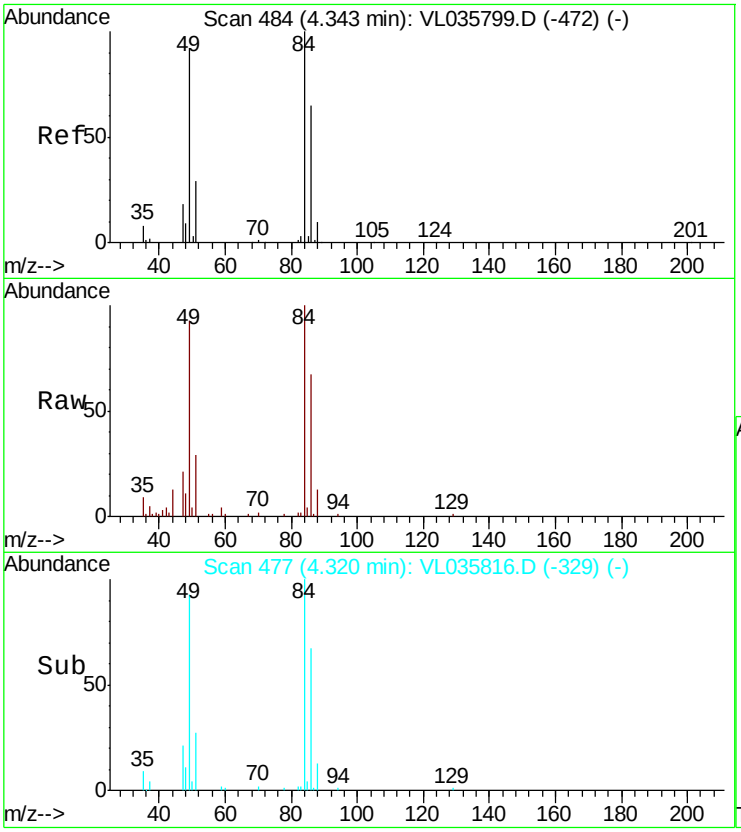


#15
Acetone
Concen: 0.476 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion: 43 Resp: 59009

Ion	Ratio	Lower	Upper
43	100		
58	51.6	27.5	41.3#

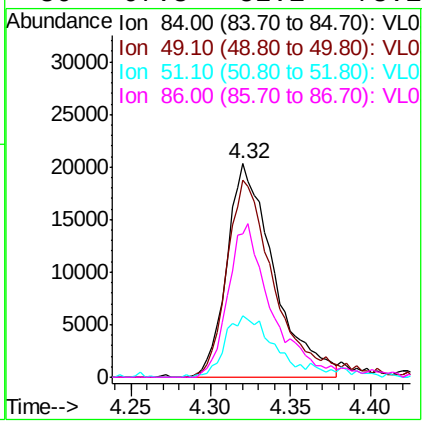




#20
Methylene Chloride
Concen: 0.468 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion: 84 Resp: 40781

Ion	Ratio	Lower	Upper
84	100		
49	92.6	73.8	110.8
51	27.6	23.0	34.4
86	67.3	52.1	78.1



Instrument :
MSVOA_L
ClientSampleId :
SV1

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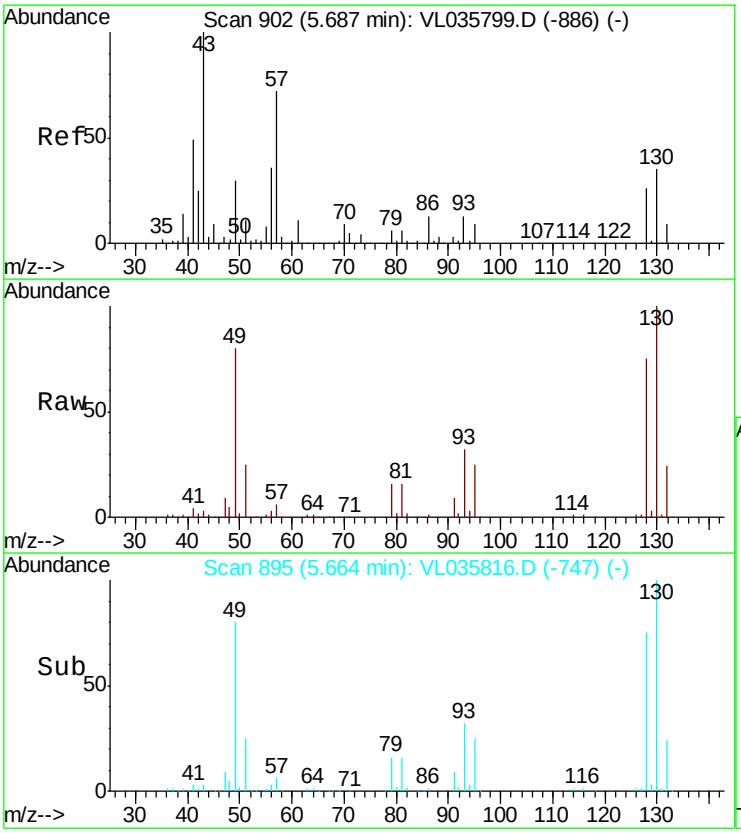
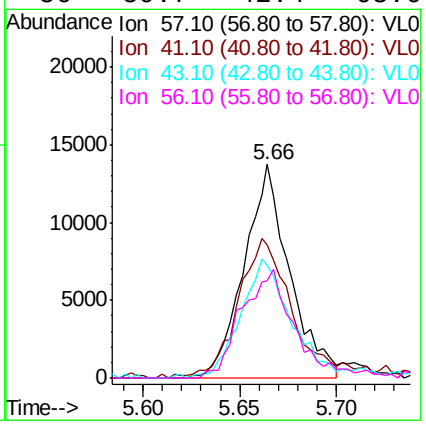
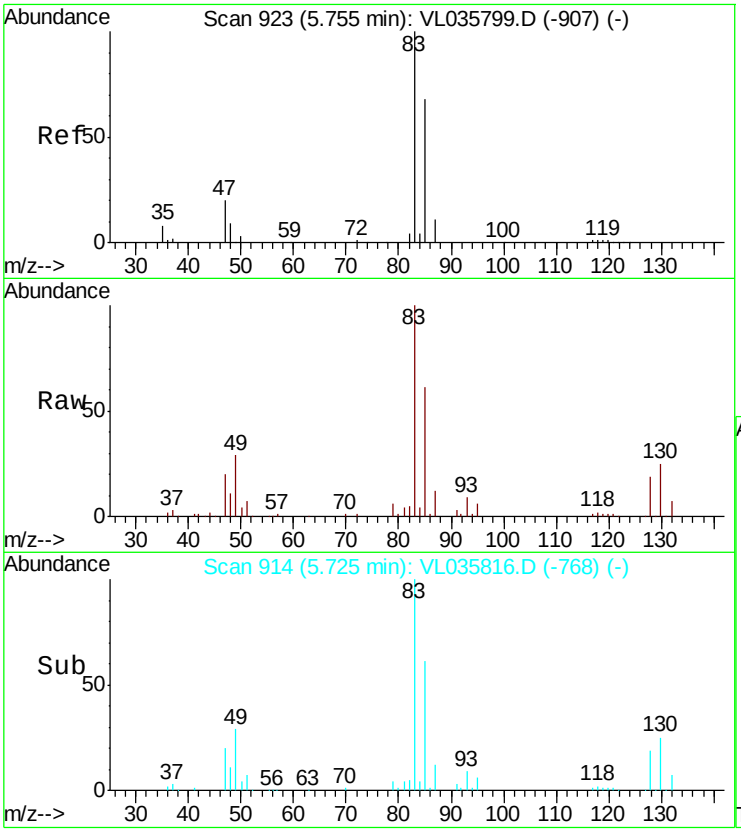


#26
Hexane
Concen: 0.167 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion: 57 Resp: 22479

Ion	Ratio	Lower	Upper
57	100		
41	84.2	58.9	88.3
43	66.3	150.2	225.2#
56	59.7	42.4	63.6

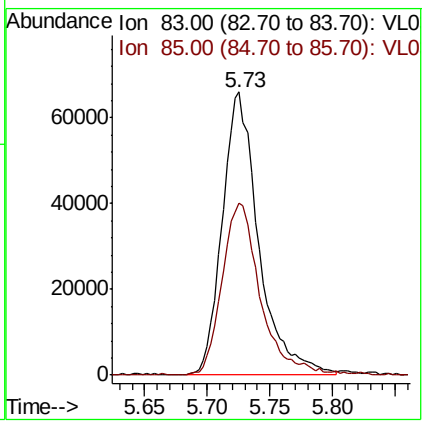




#29
Chloroform
Concen: 0.503 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.03 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion: 83 Resp: 133136

Ion	Ratio	Lower	Upper
83	100		
85	60.8	54.6	81.8



Instrument :
MSVOA_L
ClientSampleId :
SV1

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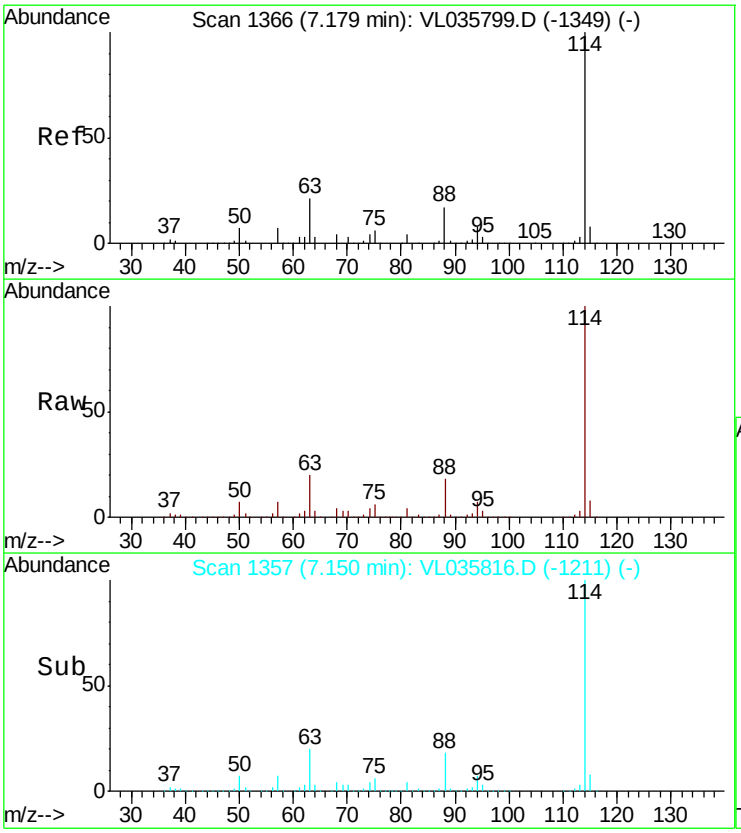
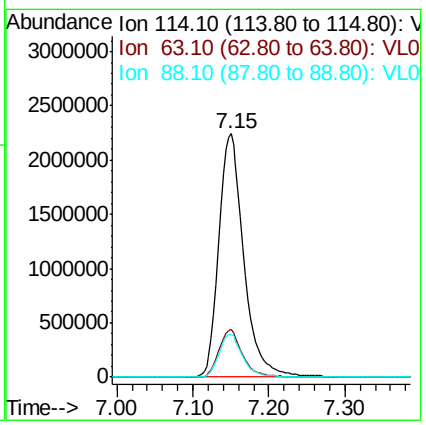
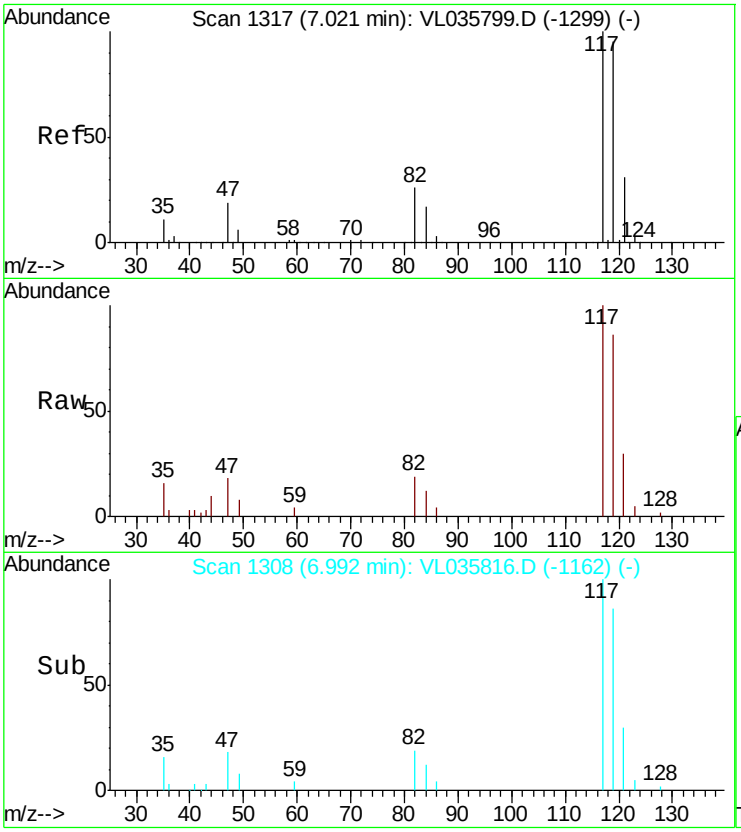


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion:114 Resp: 5121291

Ion	Ratio	Lower	Upper
114	100		
63	18.4	16.1	24.1
88	16.7	13.7	20.5

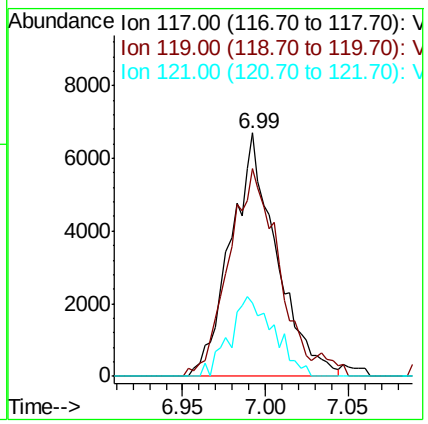




#35
Carbon Tetrachloride
Concen: 0.047 ppbv
RT: 6.99 min Scan# 1308
Delta R.T. -0.03 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion:117 Resp: 12886

Ion	Ratio	Lower	Upper
117	100		
119	82.0	75.6	113.4
121	30.1	25.1	37.7



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
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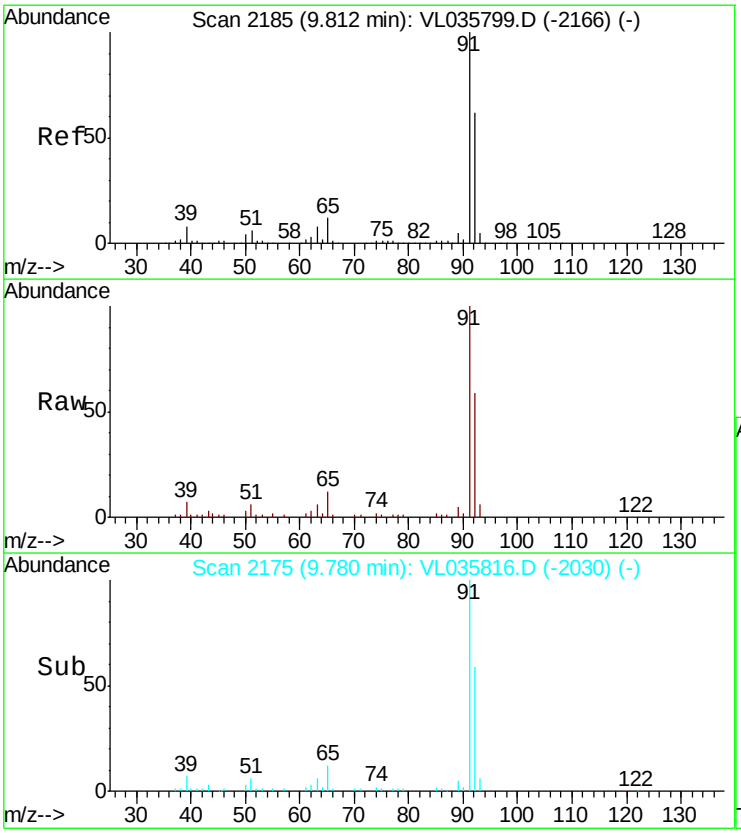
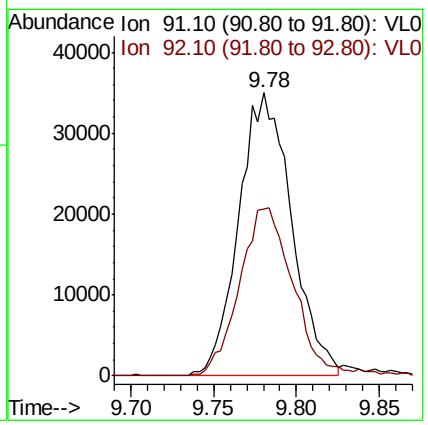
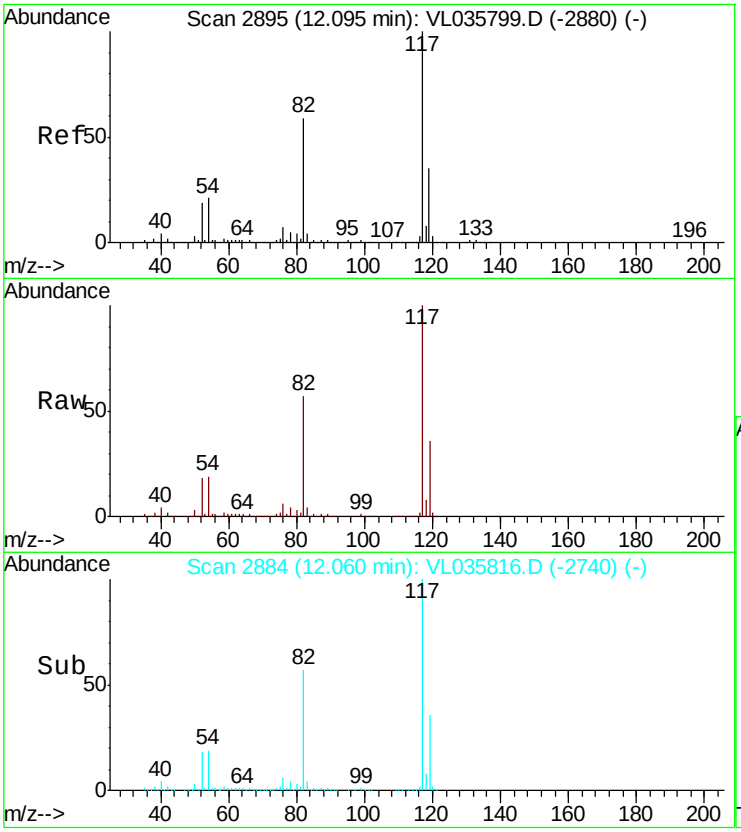


#53
Toluene
Concen: 0.169 ppbv
RT: 9.78 min Scan# 2175
Delta R.T. -0.03 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion: 91 Resp: 77416

Ion	Ratio	Lower	Upper
91	100		
92	61.4	49.8	74.6

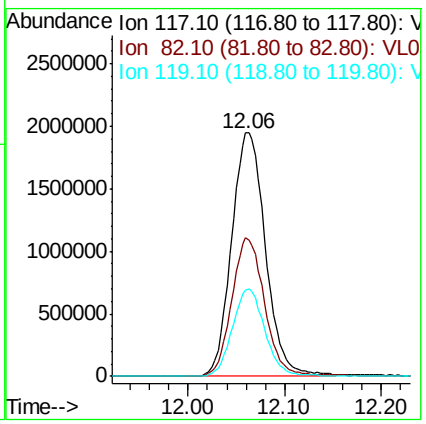




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.04 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion:117 Resp: 4738880

Ion	Ratio	Lower	Upper
117	100		
82	55.9	50.6	76.0
119	34.9	52.6	78.8#



Instrument :
MSVOA_L
ClientSampleId :
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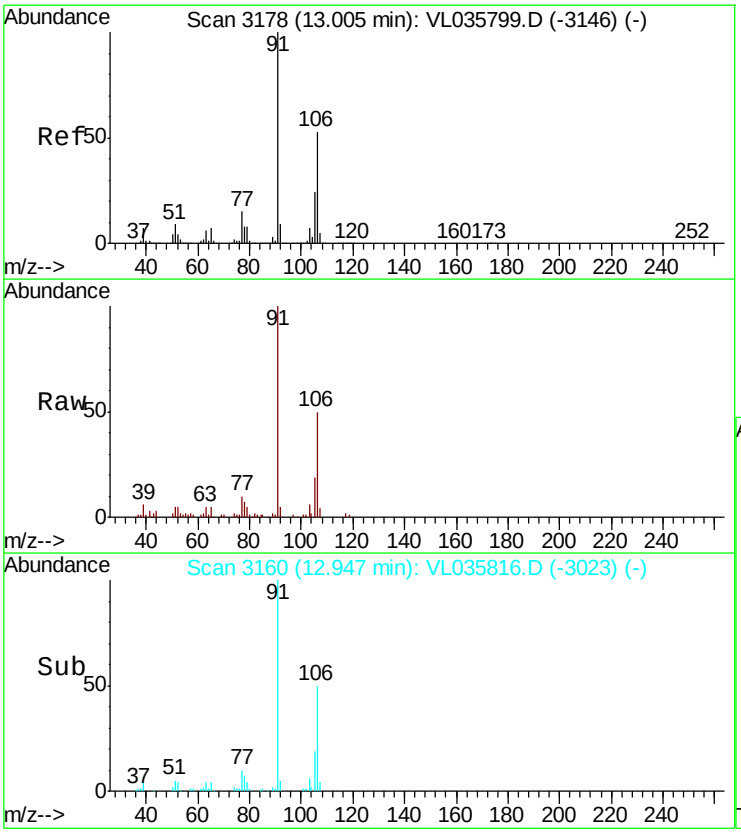
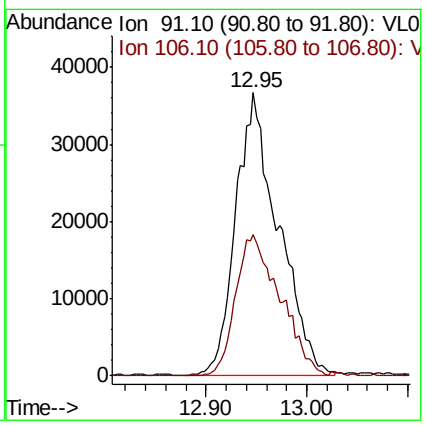
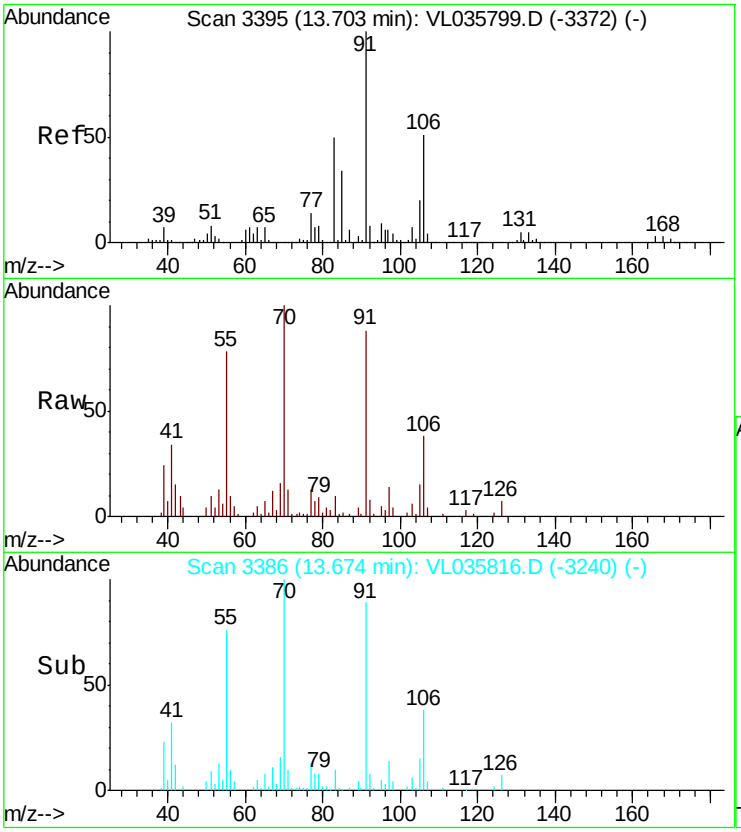


#59
m/p-Xylene
Concen: 0.220 ppbv m
RT: 12.95 min Scan# 3160
Delta R.T. -0.06 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion: 91 Resp: 107417

Ion	Ratio	Lower	Upper
91	100		
106	0.0	39.5	59.3#

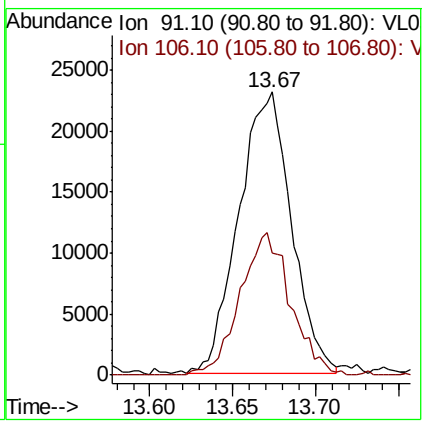




#60
o-Xylene
Concen: 0.107 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion: 91 Resp: 50939

Ion	Ratio	Lower	Upper
91	100		
106	48.7	24.8	74.4



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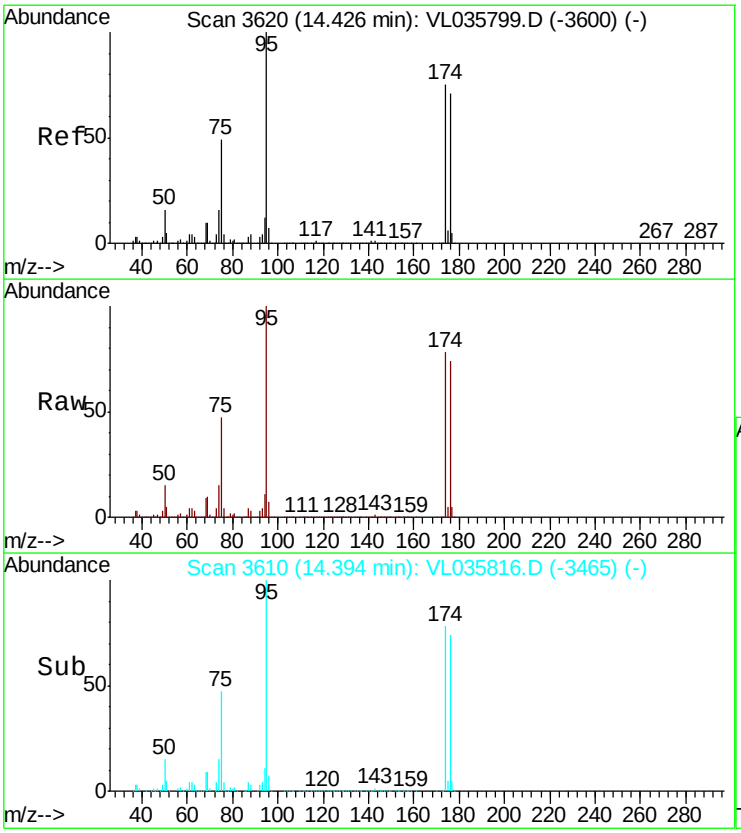
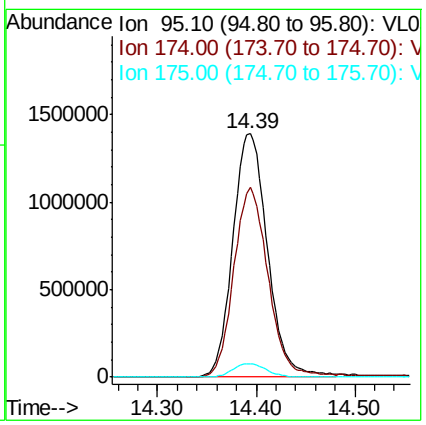
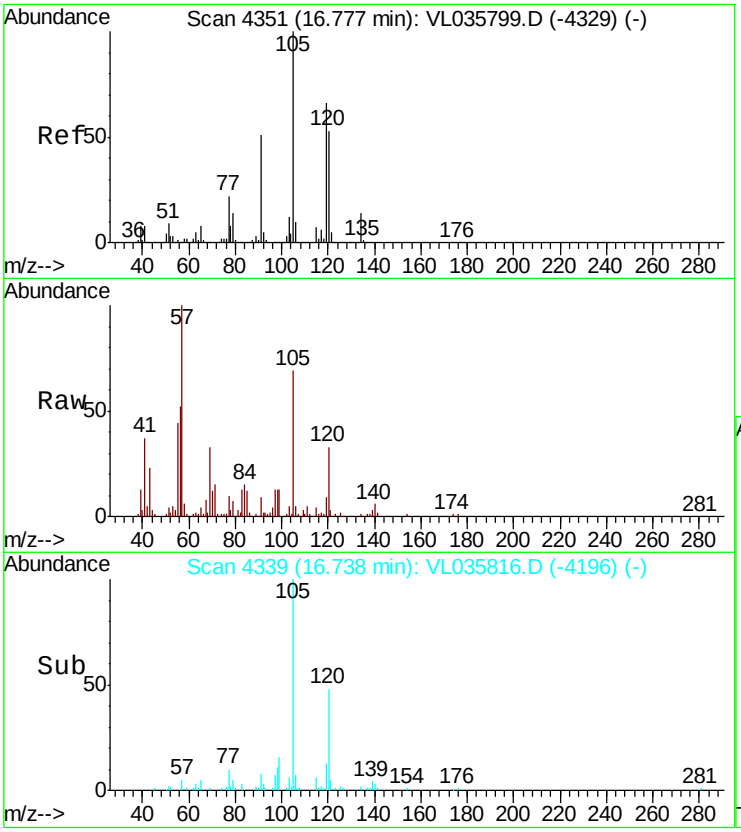


#68
1-Bromo-4-Fluorobenzene
Concen: 10.091 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.03 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion: 95 Resp: 3397382

Ion	Ratio	Lower	Upper
95	100		
174	78.8	59.8	89.6
175	5.5	4.3	6.5

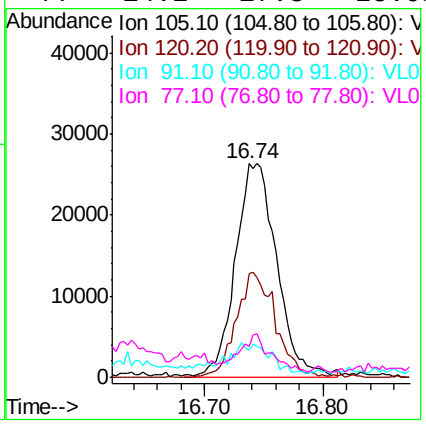




#74
1,2,4-Trimethylbenzene
Concen: 0.114 ppbv m
RT: 16.74 min Scan# 4339
Delta R.T. -0.04 min
Lab File: VL035816.D
Acq: 3 Nov 2020 23:18

Tgt Ion:105 Resp: 64523

Ion	Ratio	Lower	Upper
105	100		
120	48.3	42.0	63.0
91	12.4	41.0	61.6#
77	14.2	17.3	25.9#



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