Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\
Data File : VL033559.D
Acq On : 5 Apr 2019 9:45
Operator : SY/AP
Sample : K2226-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations APPROVED
MMDadoda
4/8/2019 3:22:37 AM

Quant Time: Apr 07 23:20:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 2
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.75	49	1146621	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2996247	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	3268246	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2457243	9.59	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.90%				
Target Compounds							Qvalue
10) Heptane	8.24	43	70748	0.477	ppbv		99
13) Ethanol	3.65	45	41569m	2.898	ppbv		
15) Acetone	3.90	43	560904	4.068	ppbv		94
26) Hexane	5.78	57	56200	0.494	ppbv	#	38
29) Chloroform	5.84	83	130133	0.667	ppbv		96
30) Cyclohexane	7.24	84	24284m	0.270	ppbv		
34) 2-Butanone	5.33	43	97053	0.539	ppbv		98
53) Toluene	9.94	91	133554	0.457	ppbv		99
58) Ethyl Benzene	12.86	91	90471	0.207	ppbv		90
59) m/p-Xylene	13.11	91	289711m	0.743	ppbv		
60) o-Xylene	13.84	91	122338	0.325	ppbv		98
74) 1,2,4-Trimethylbenzene	16.92	105	45838	0.105	ppbv	#	65

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

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Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations APPROVED
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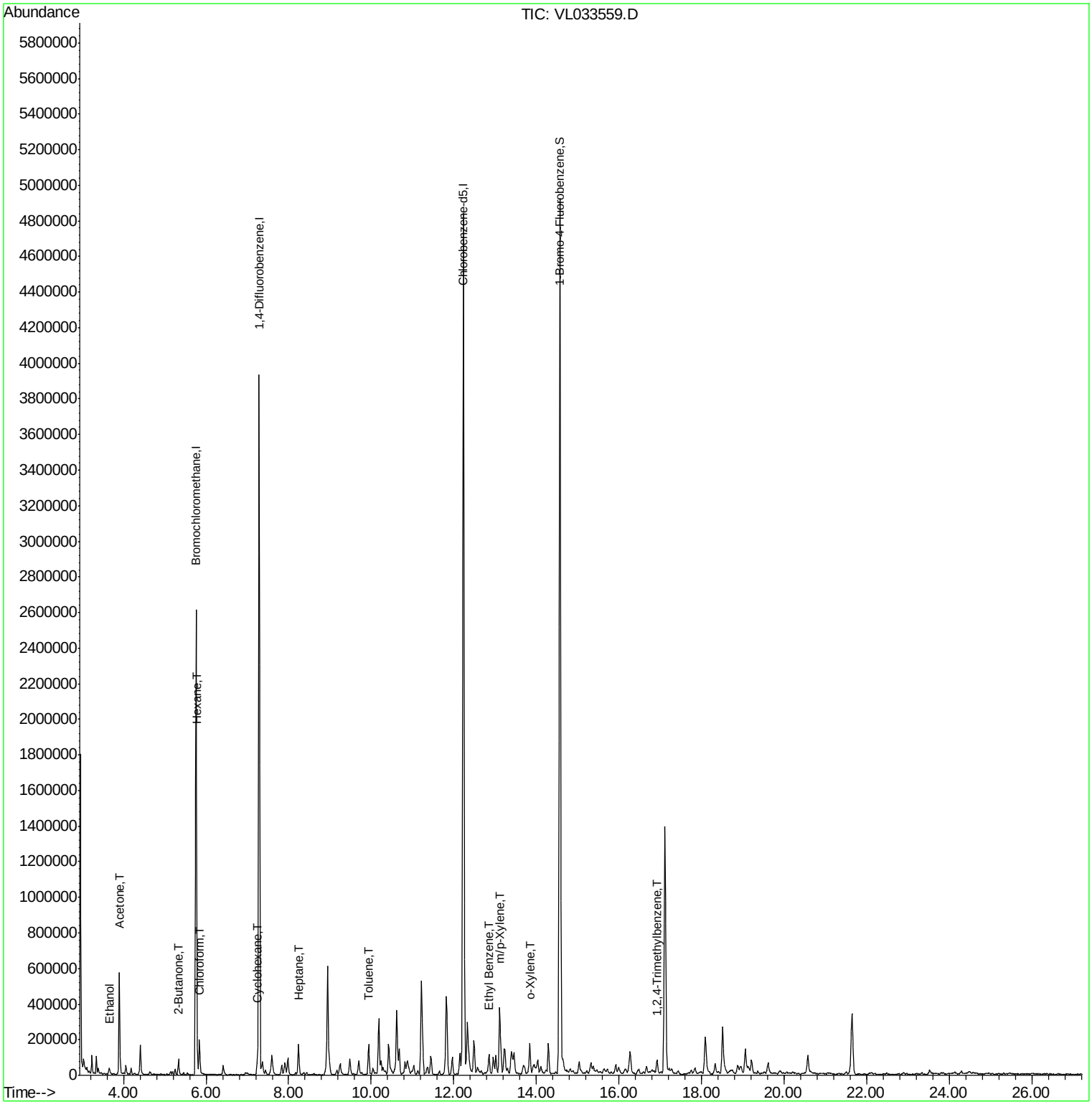
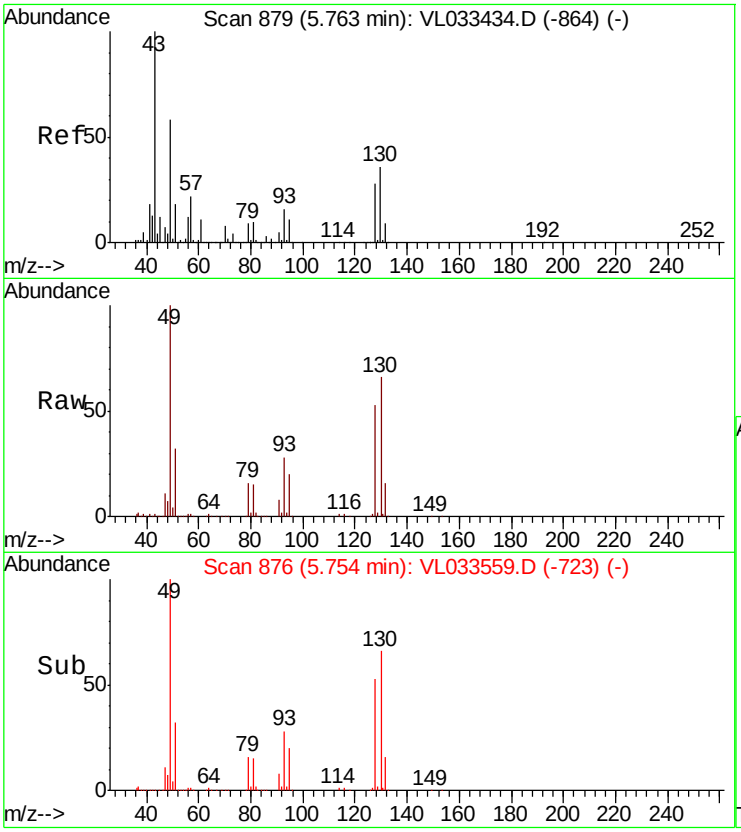
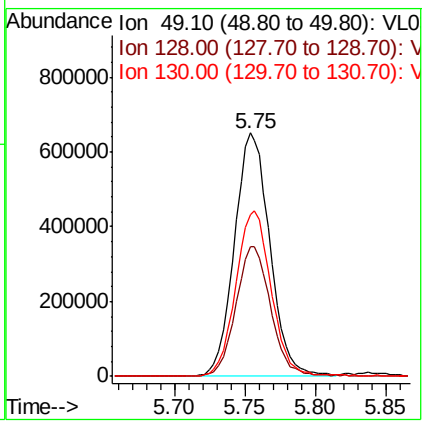




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion: 49 Resp: 1146621

Ion	Ratio	Lower	Upper
49	100		
128	52.6	24.0	72.0
130	68.1	31.2	93.6



Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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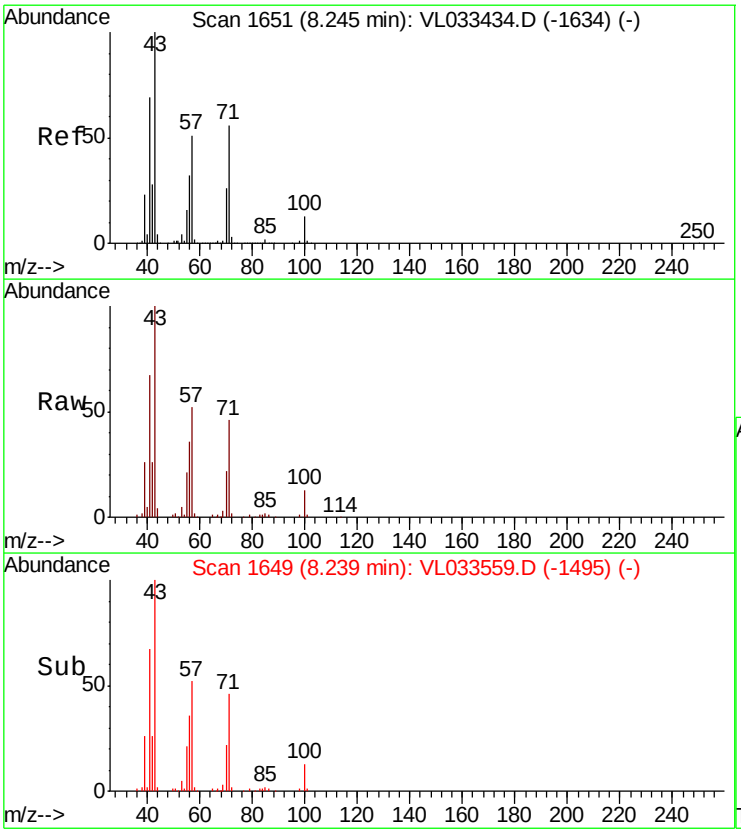
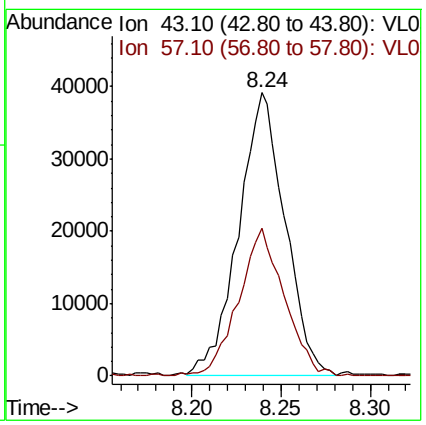
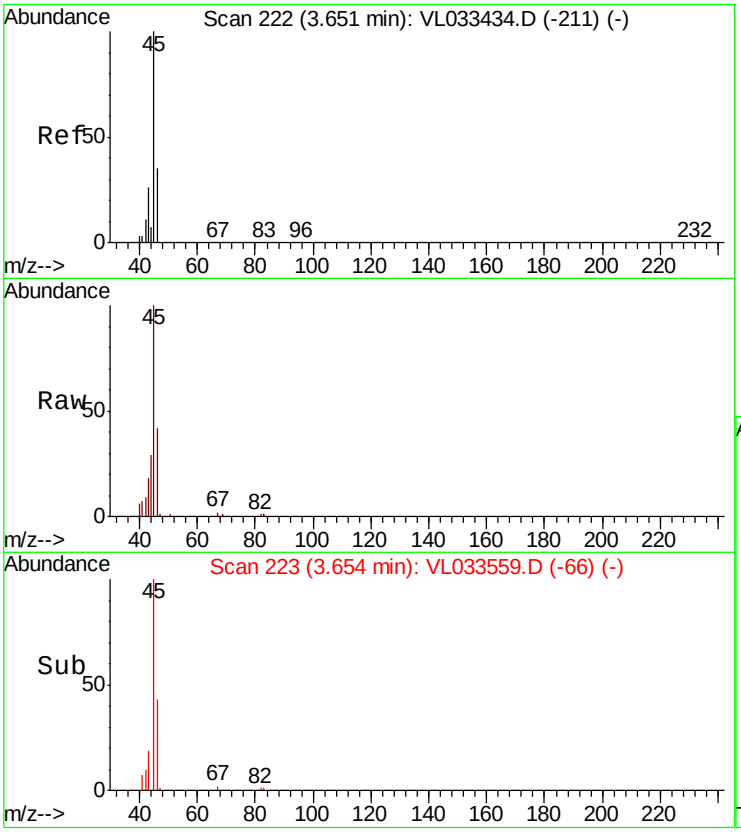


#10
Heptane
Concen: 0.477 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion: 43 Resp: 70748

Ion	Ratio	Lower	Upper
43	100		
57	51.6	40.6	60.8





#13
Ethanol
Concen: 2.898 ppbv m
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion: 45 Resp: 41569

Ion	Ratio	Lower	Upper
45	100		
46	36.0	25.4	101.8

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations APPROVED
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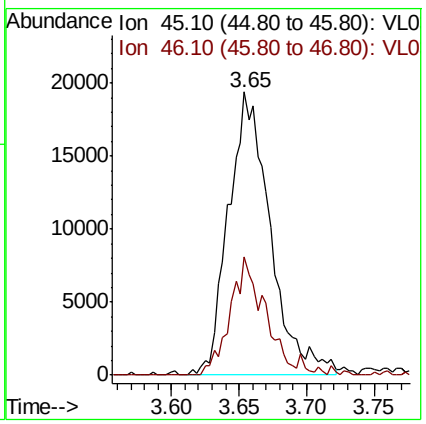
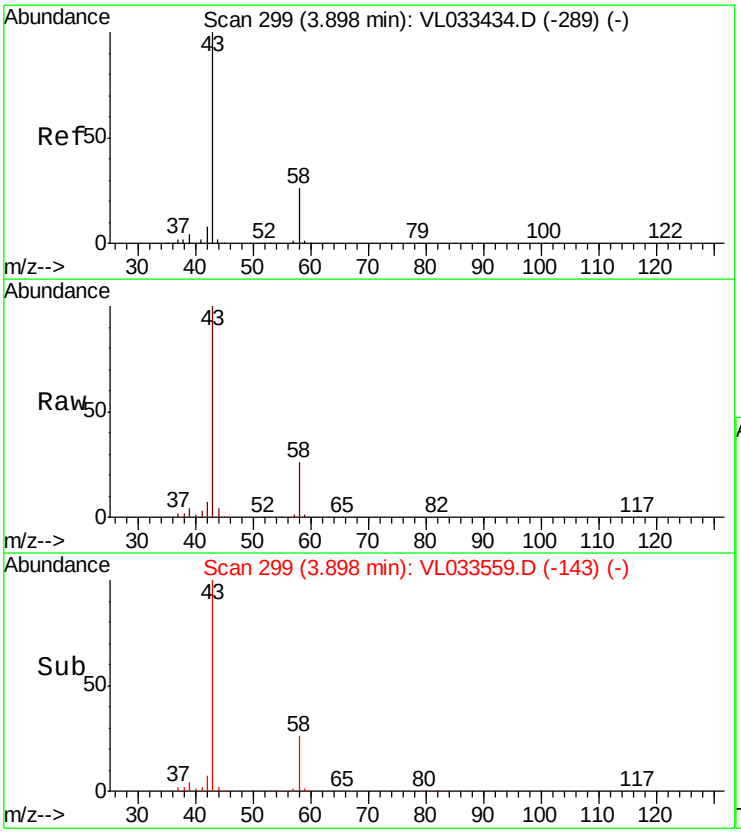
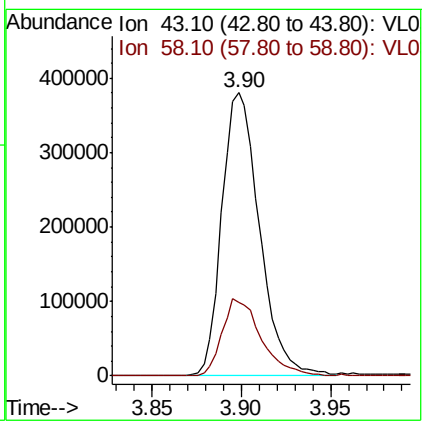


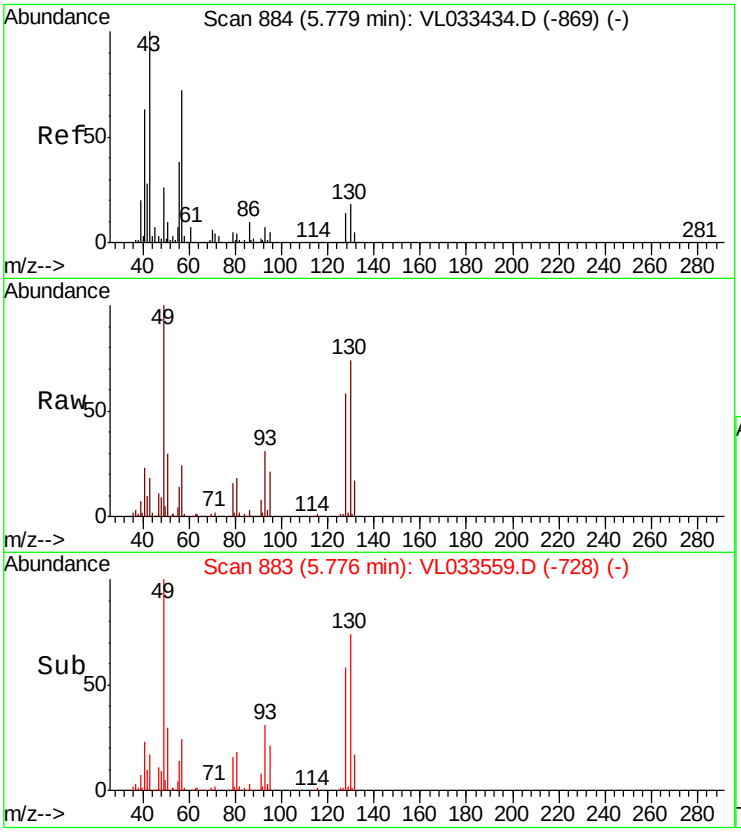


#15
Acetone
Concen: 4.068 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion: 43 Resp: 560904

Ion	Ratio	Lower	Upper
43	100		
58	28.5	20.5	30.7

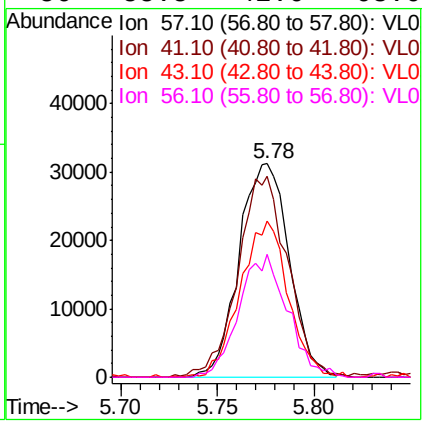




#26
Hexane
Concen: 0.494 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion: 57 Resp: 56200

Ion	Ratio	Lower	Upper
57	100		
41	94.5	70.7	106.1
43	70.3	182.6	274.0#
56	55.5	42.0	63.0



Instrument :
MSVOA_L
ClientSampleId :
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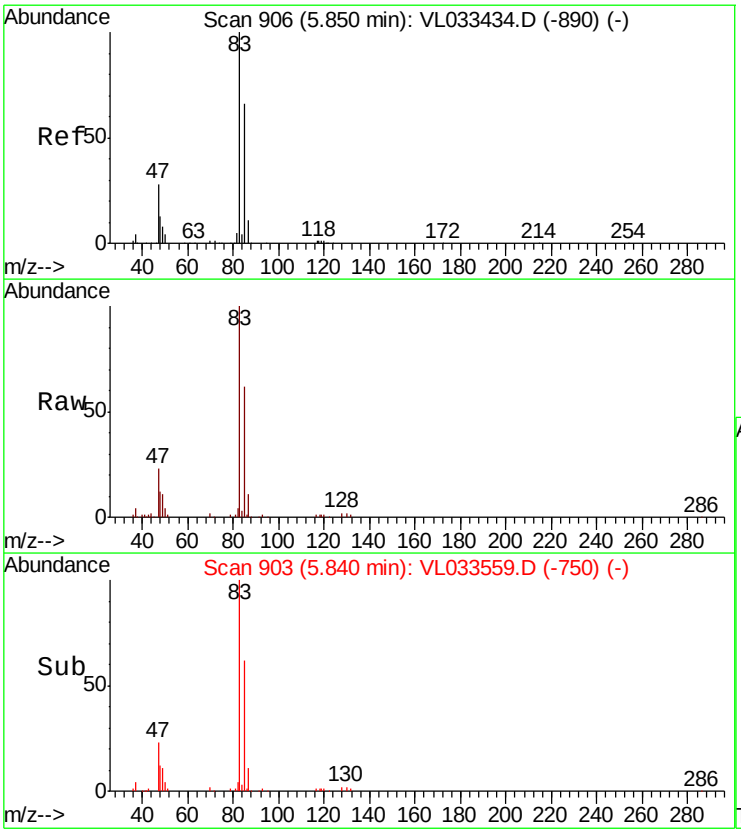
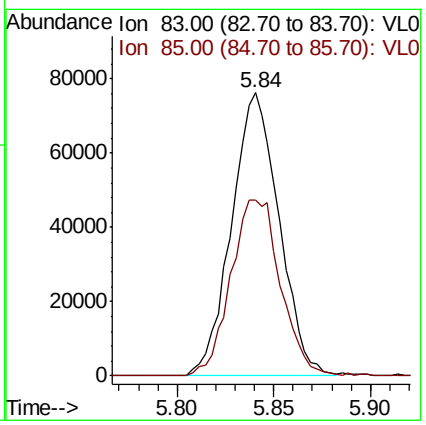
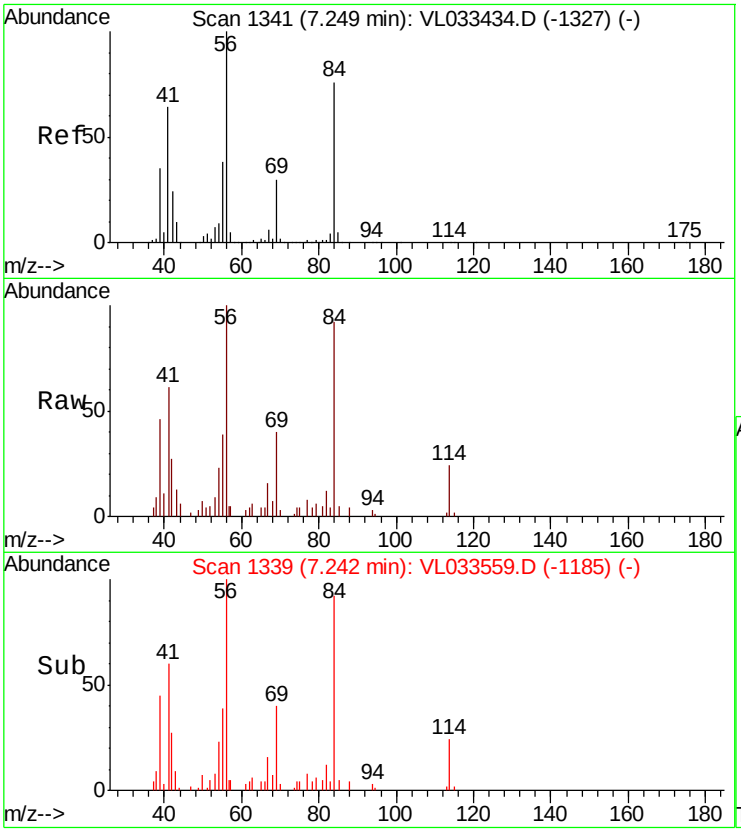


#29
Chloroform
Concen: 0.667 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion: 83 Resp: 130133

Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.6	79.0





#30
Cyclohexane
Concen: 0.270 ppbv m
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion: 84 Resp: 24284

Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.7	164.5#
41	77.8	68.2	102.2

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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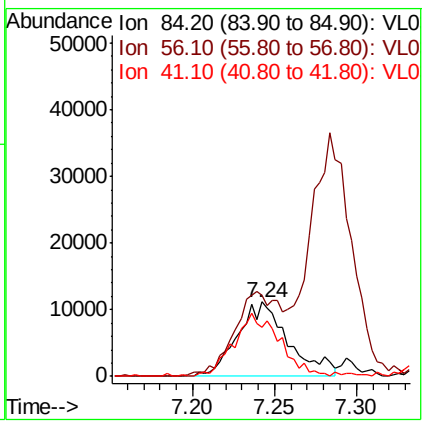
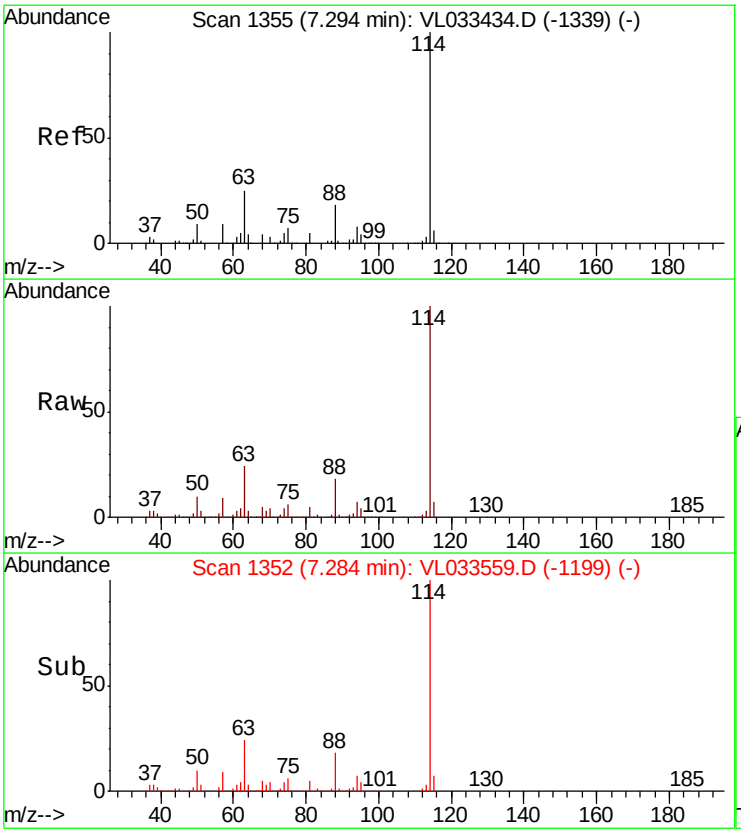
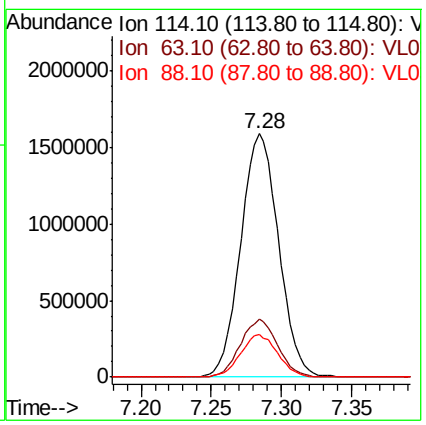


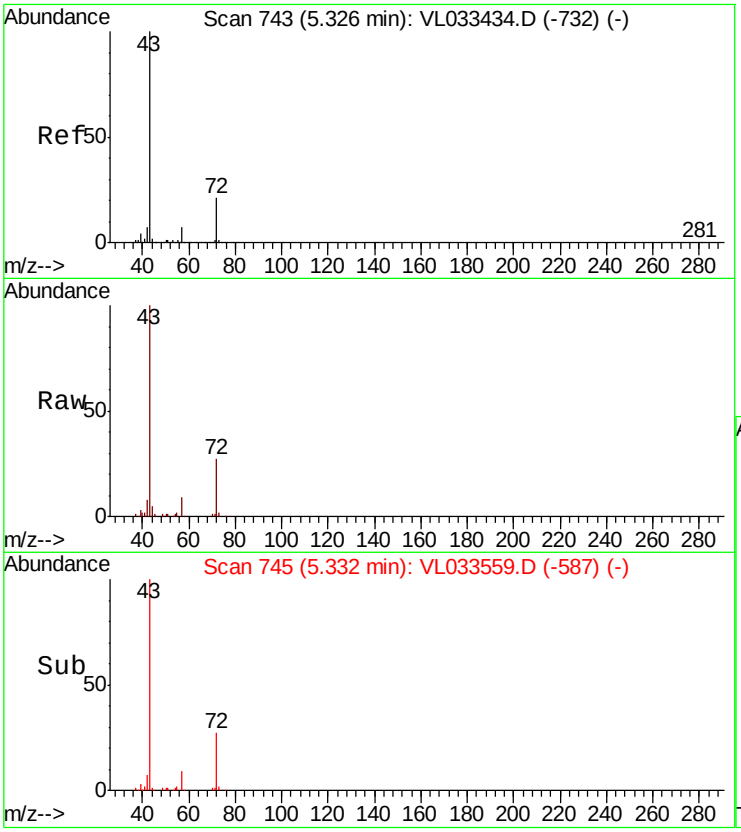


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion:114 Resp: 2996247

Ion	Ratio	Lower	Upper
114	100		
63	23.5	21.5	32.3
88	17.3	14.5	21.7

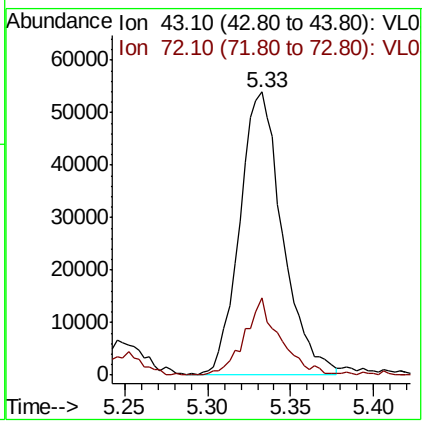




#34
2-Butanone
Concen: 0.539 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.01 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion: 43 Resp: 97053

Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.4	26.2



Instrument :
MSVOA_L
ClientSampleId :
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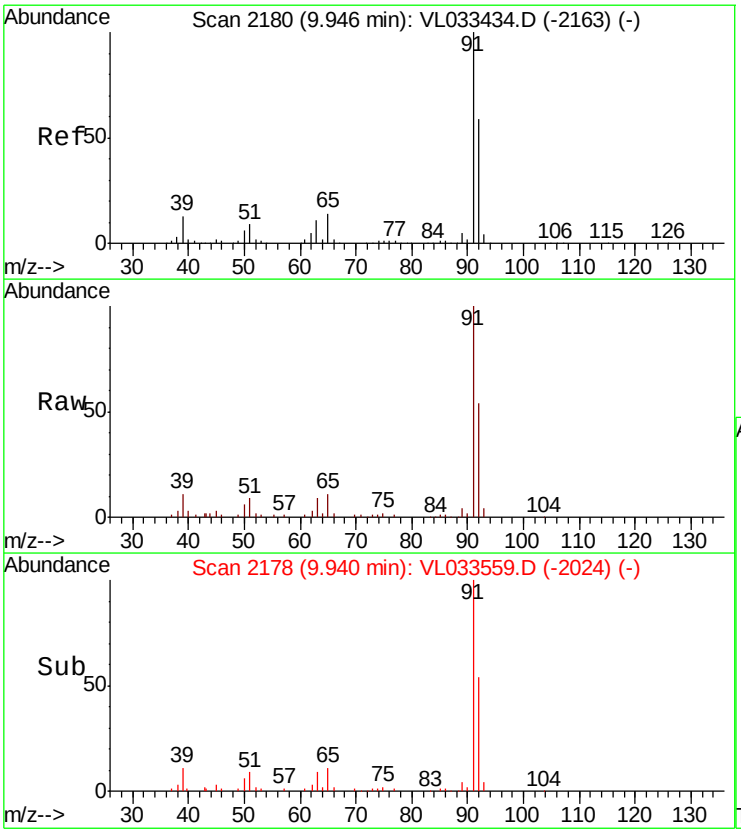
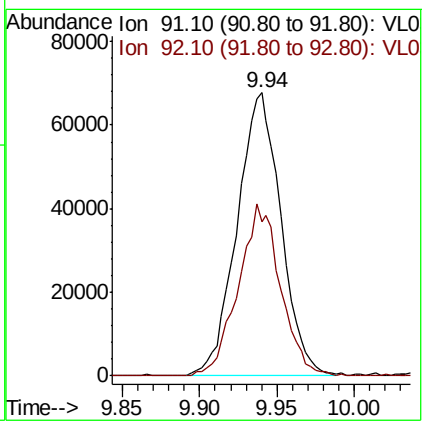
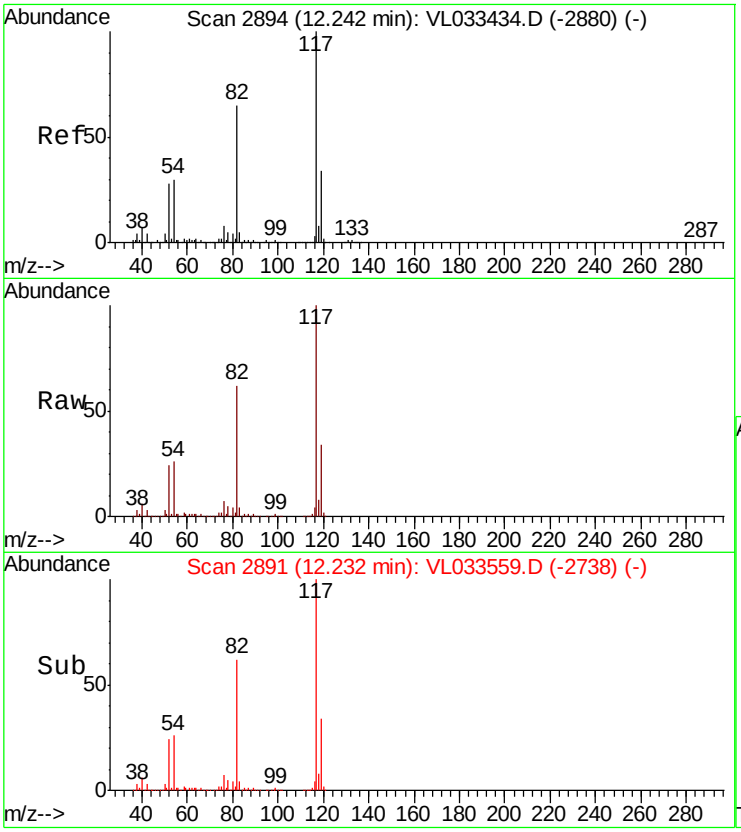


#53
Toluene
Concen: 0.457 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion: 91 Resp: 133554

Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.4	71.0

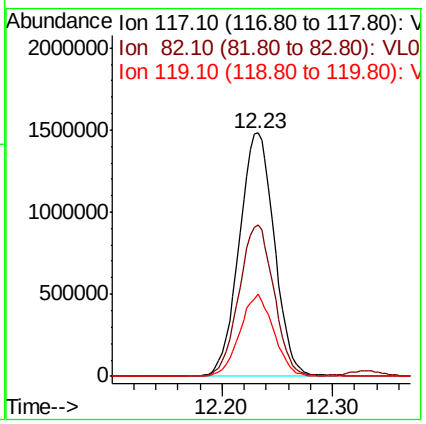




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion:117 Resp: 3268246

Ion	Ratio	Lower	Upper
117	100		
82	61.8	51.5	77.3
119	32.3	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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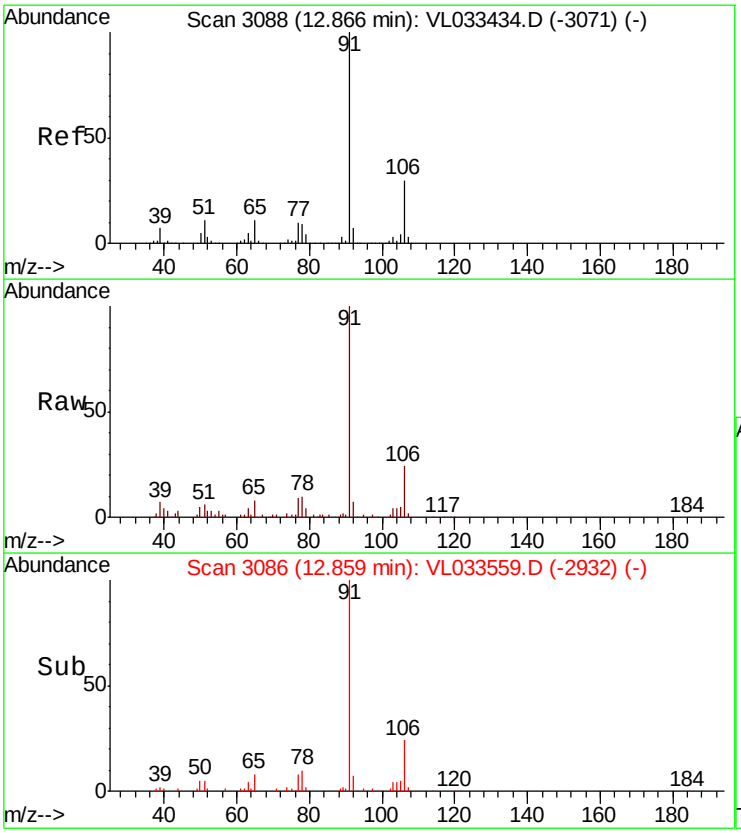
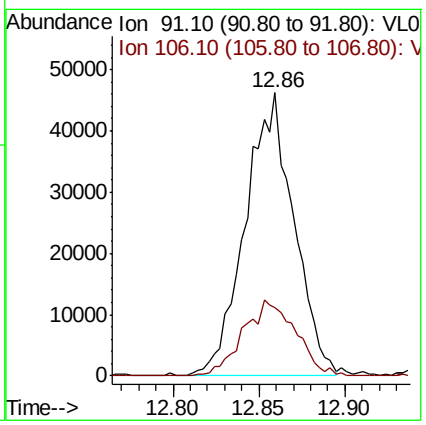
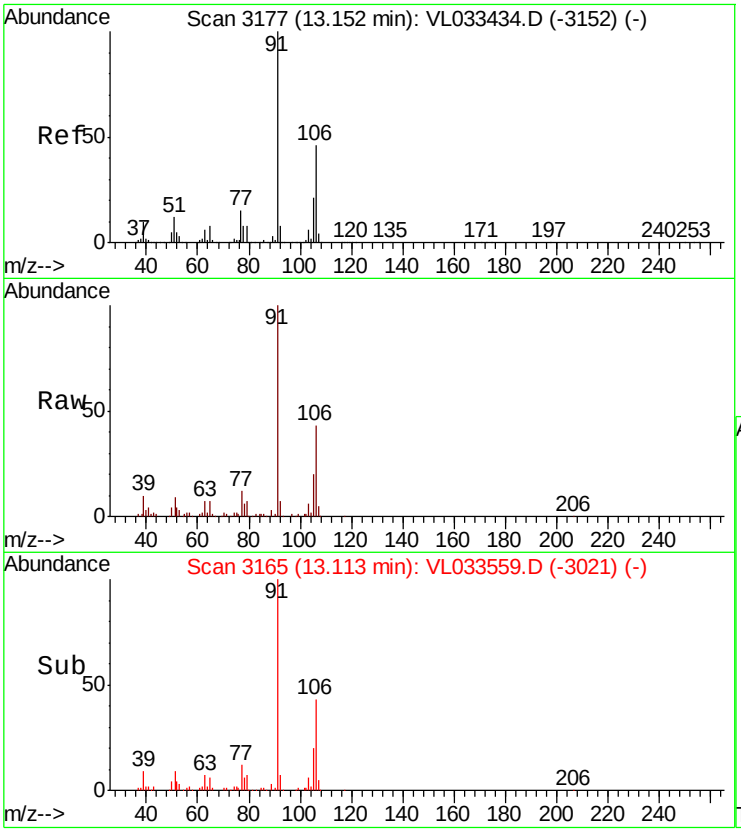


#58
Ethyl Benzene
Concen: 0.207 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion: 91 Resp: 90471

Ion	Ratio	Lower	Upper
91	100		
106	24.1	23.8	35.6

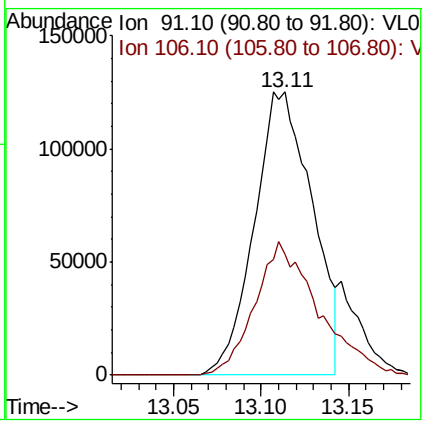




#59
m/p-Xylene
Concen: 0.743 ppbv m
RT: 13.11 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion: 91 Resp: 289711

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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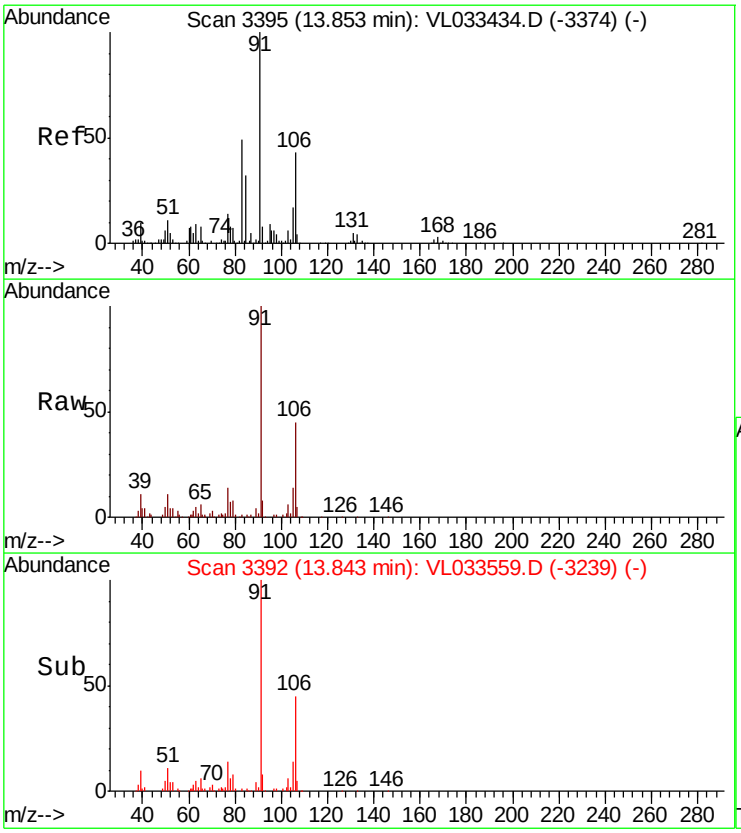
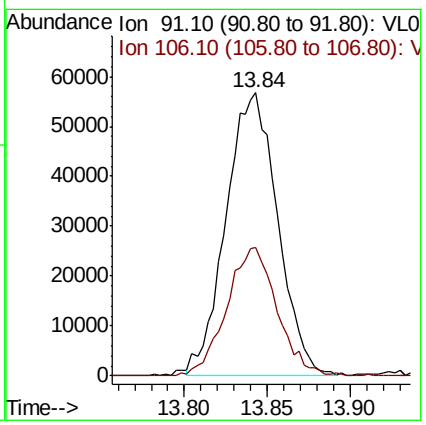
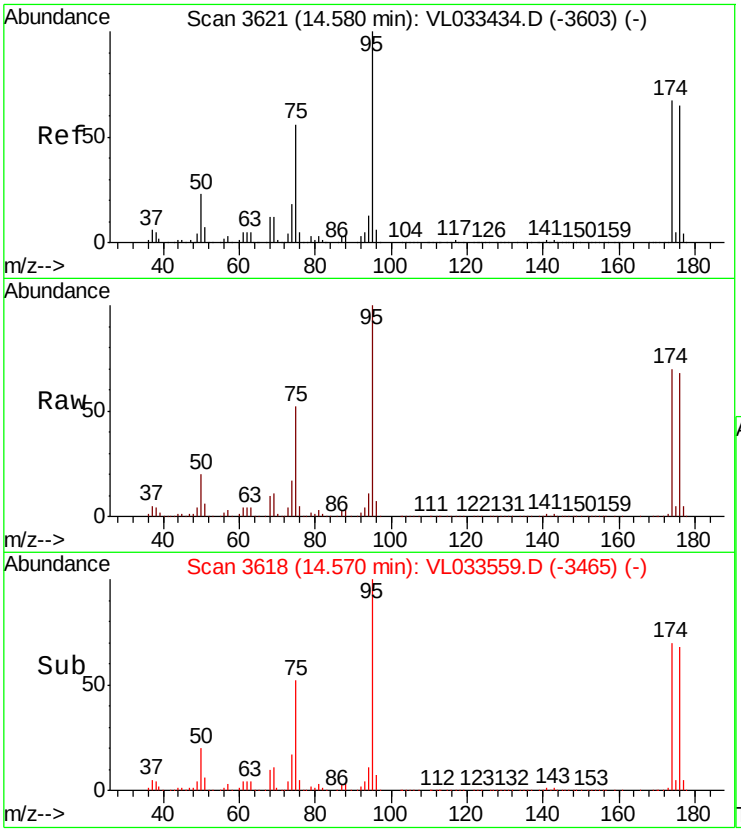


#60
o-Xylene
Concen: 0.325 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion: 91 Resp: 122338

Ion	Ratio	Lower	Upper
91	100		
106	44.4	21.4	64.3

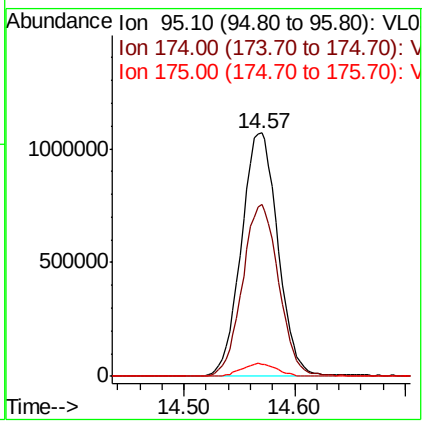




#68
1-Bromo-4-Fluorobenzene
Concen: 9.590 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion: 95 Resp: 2457243

Ion	Ratio	Lower	Upper
95	100		
174	70.1	52.9	79.3
175	5.1	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations APPROVED
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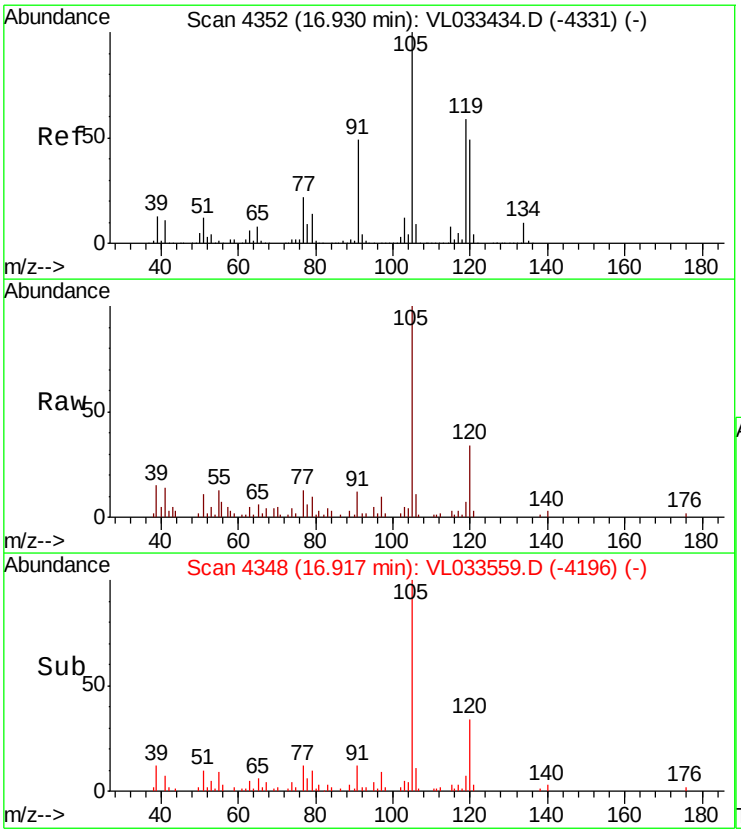

#74
1,2,4-Trimethylbenzene
Concen: 0.105 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL033559.D
Acq: 5 Apr 2019 9:45

Tgt Ion:105 Resp: 45838

Ion	Ratio	Lower	Upper
105	100		
120	34.6	39.0	58.6#
91	11.3	40.0	60.0#
77	12.7	17.5	26.3#