Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\
Data File : VL033757.D
Acq On : 22 May 2019 23:24
Operator : SY/AP
Sample : K2929-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Manual Integrations APPROVED
MMDadoda
5/28/2019 2:51:15 AM

Quant Time: May 28 04:08:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 1
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.75	49	998795	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2442826	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.23	117	2452240	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.56	95	1994592	10.03	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.30%				
Target Compounds							Qvalue
9) Propene	3.03	41	717691	14.748	ppbv		92
10) Heptane	8.24	43	23721m	0.172	ppbv		
13) Ethanol	3.64	45	144996	9.219	ppbv		98
15) Acetone	3.89	43	1492514	10.770	ppbv		92
17) tert-Butyl alcohol	4.36	59	43271	0.386	ppbv	#	94
20) Methylene Chloride	4.40	84	11884	0.223	ppbv	#	76
26) Hexane	5.77	57	38969	0.372	ppbv	#	1
27) Carbon Disulfide	4.61	76	23949	0.167	ppbv	#	75
34) 2-Butanone	5.32	43	271962	1.796	ppbv		99
36) Benzene	6.99	78	45057	0.203	ppbv		95
53) Toluene	9.93	91	327668	1.367	ppbv		98
59) m/p-Xylene	13.11	91	62799m	0.221	ppbv		

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

Quantitation Report (QT Reviewed)

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QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Manual Integrations APPROVED
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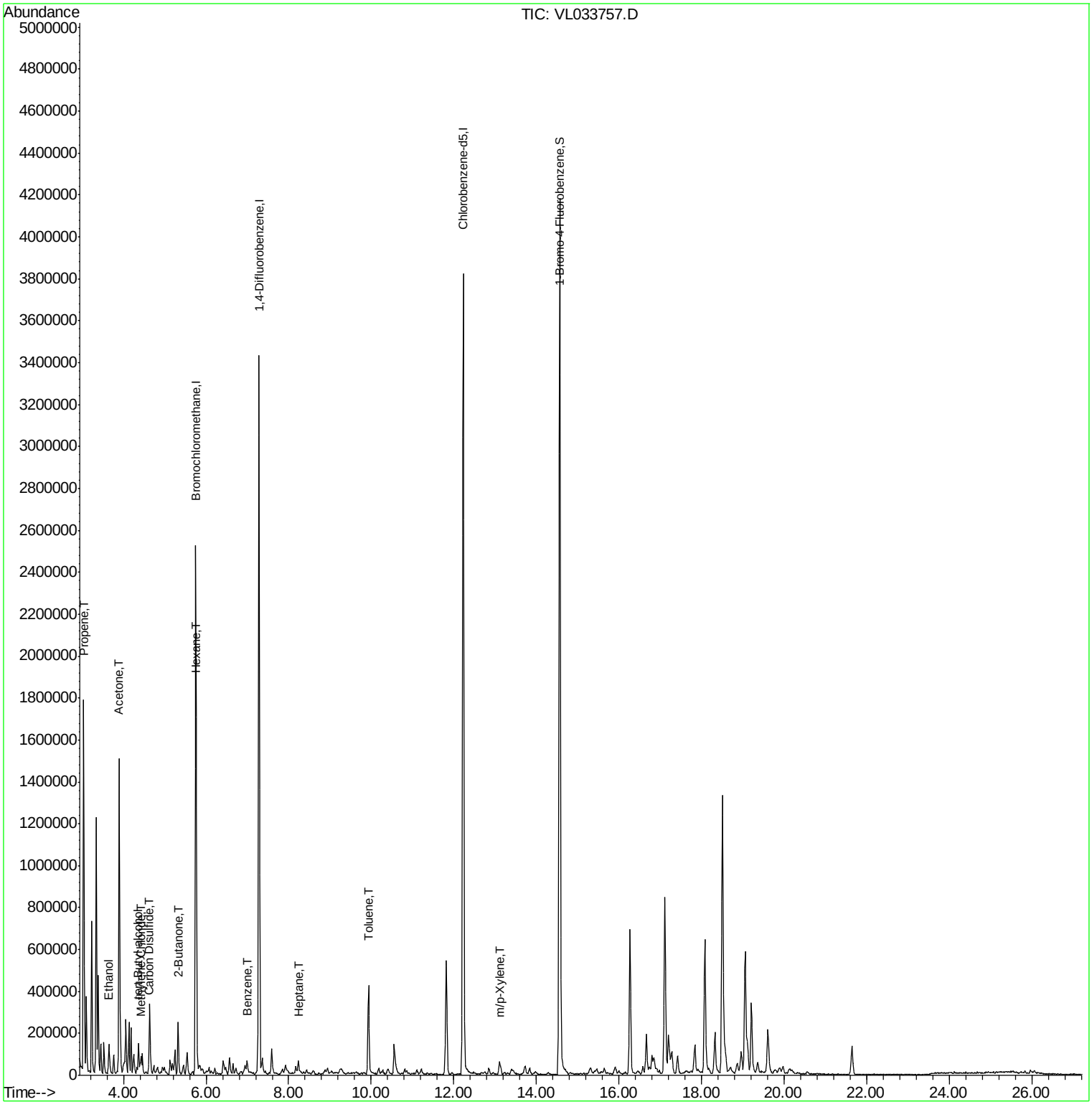
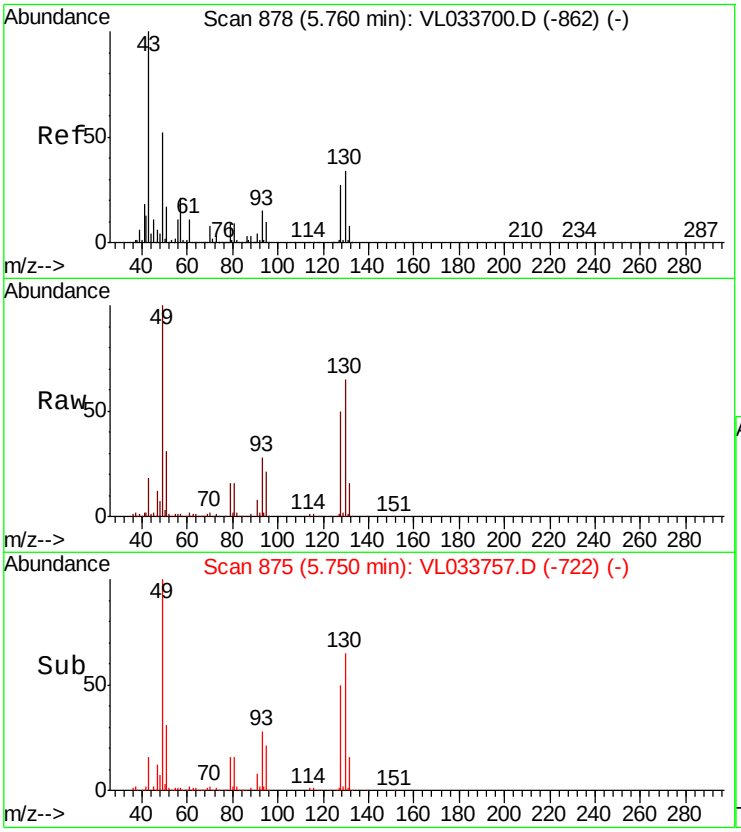
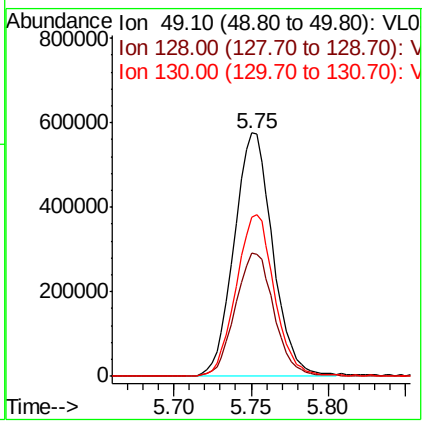




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 49 Resp: 998795

Ion	Ratio	Lower	Upper
49	100		
128	51.1	25.2	75.6
130	66.5	32.5	97.5



Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

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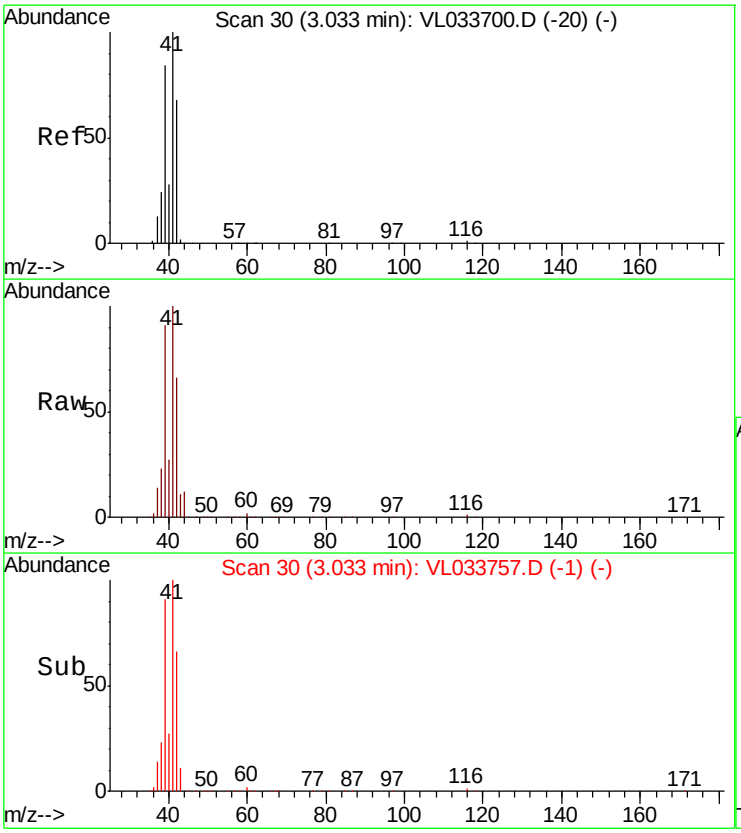
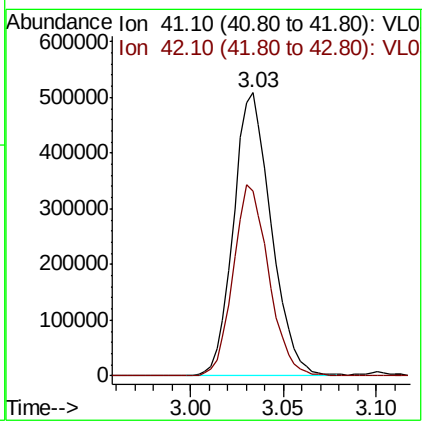
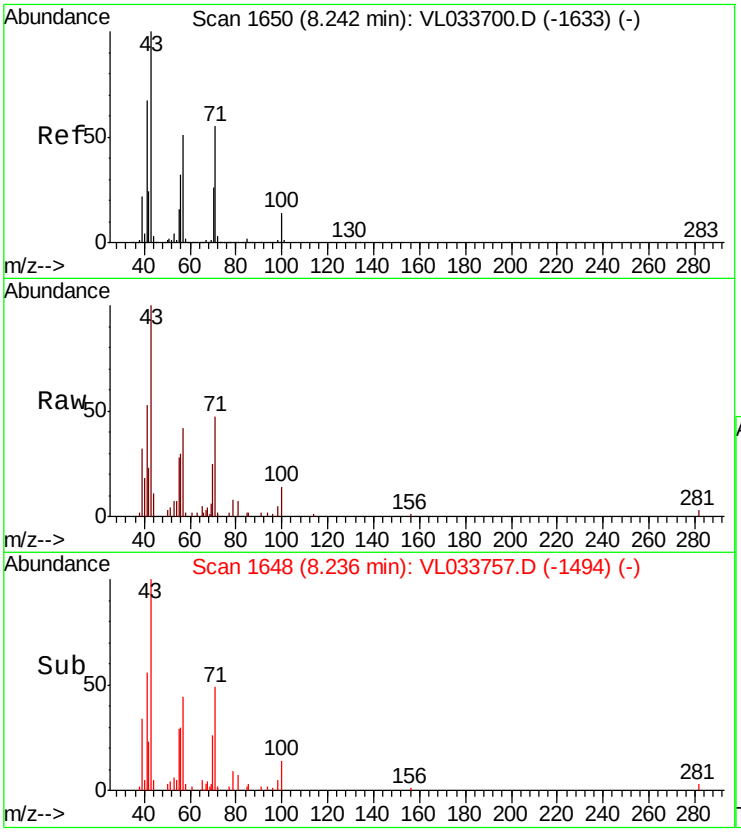


#9
Propene
Concen: 14.748 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 41 Resp: 717691

Ion	Ratio	Lower	Upper
41	100		
42	63.8	56.1	84.1

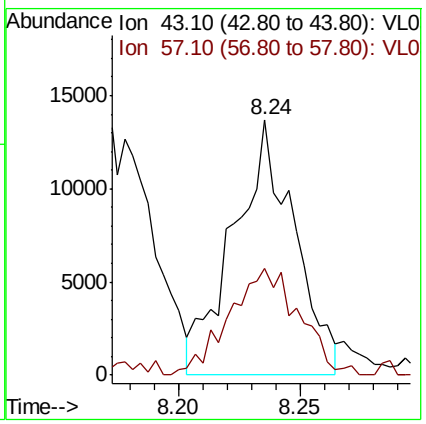




#10
Heptane
Concen: 0.172 ppbv m
RT: 8.24 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 43 Resp: 23721

Ion	Ratio	Lower	Upper
43	100		
57	53.0	41.4	62.0



Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

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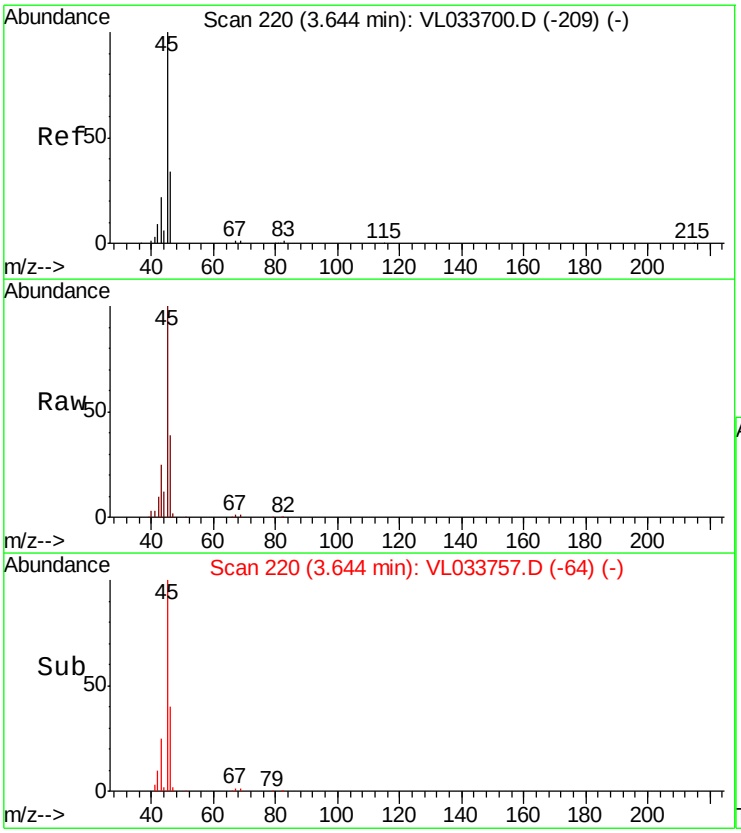
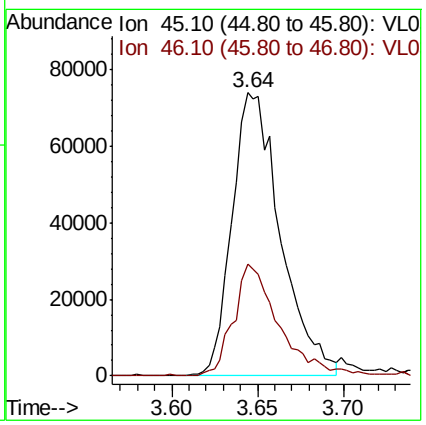
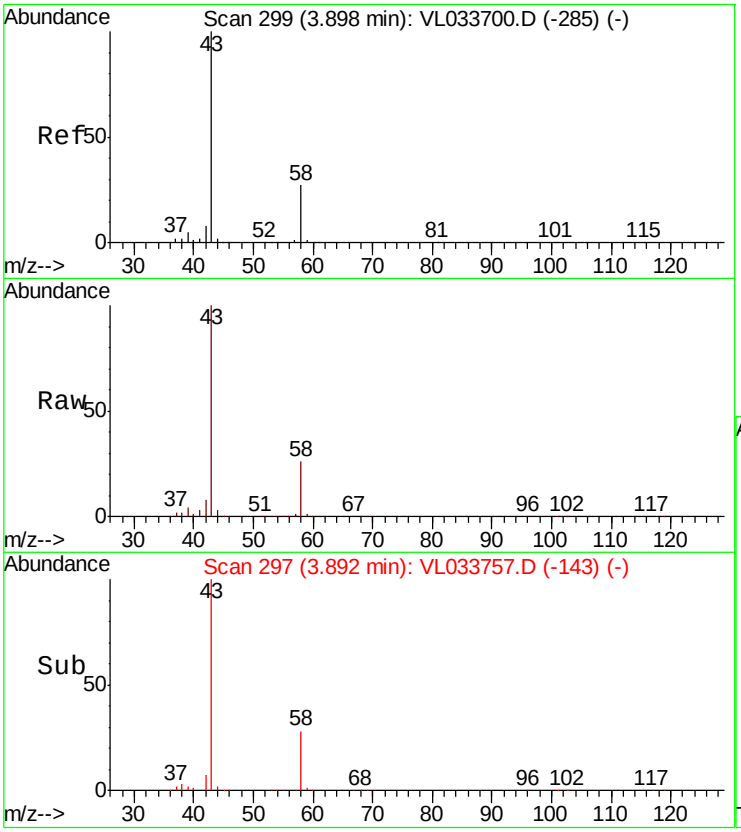


#13
Ethanol
Concen: 9.219 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 45 Resp: 144996

Ion	Ratio	Lower	Upper
45	100		
46	38.1	14.8	59.0





#15
Acetone
Concen: 10.770 ppbv
RT: 3.89 min Scan# 297
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 43 Resp: 1492514

Ion	Ratio	Lower	Upper
43	100		
58	30.5	21.3	31.9

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

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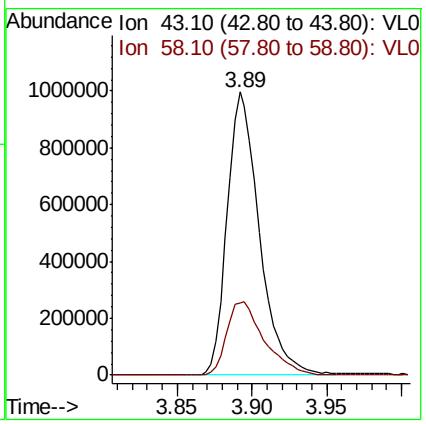
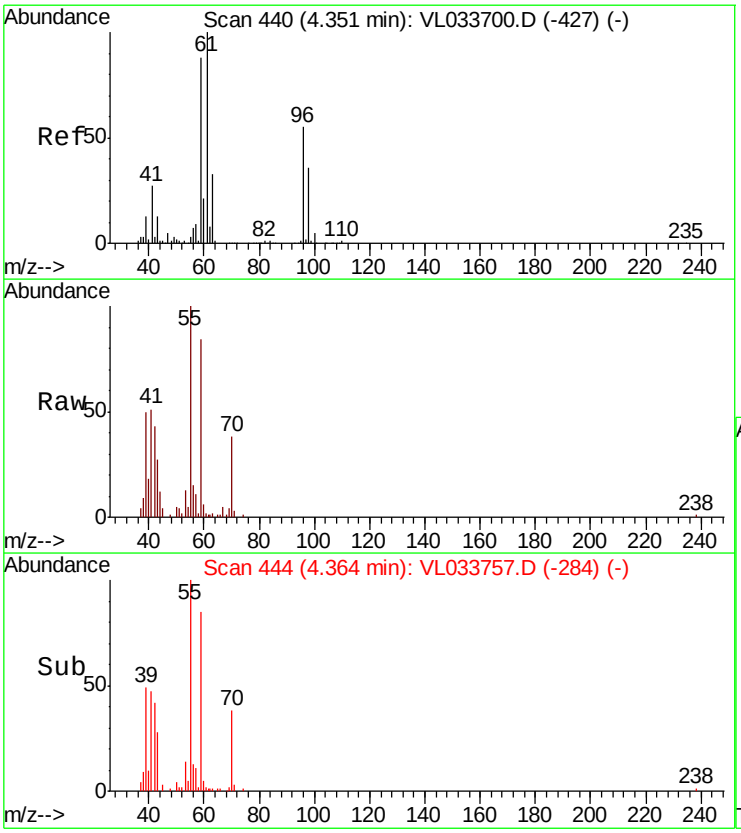
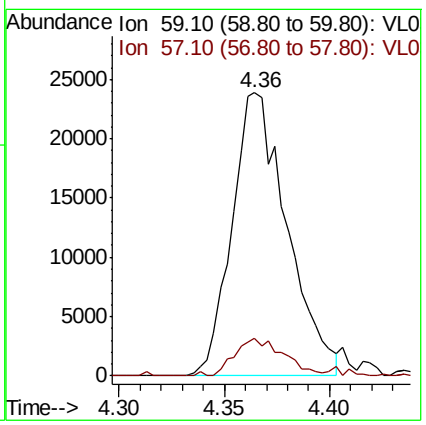


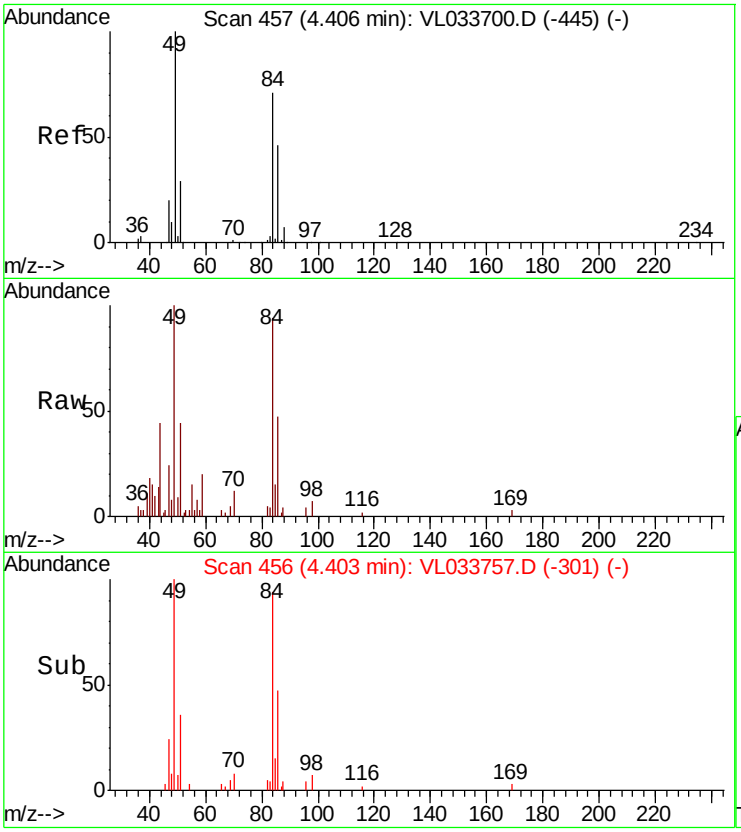


#17
tert-Butyl alcohol
Concen: 0.386 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 59 Resp: 43271

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.4	12.6#

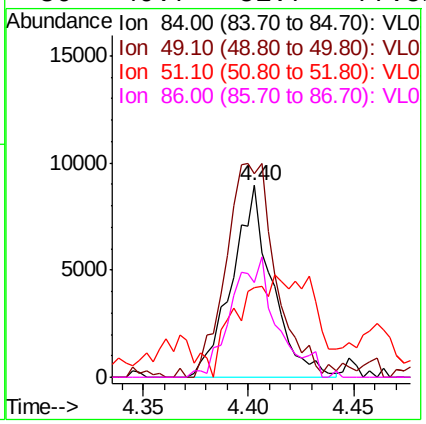




#20
Methylene Chloride
Concen: 0.223 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 84 Resp: 11884

Ion	Ratio	Lower	Upper
84	100		
49	106.1	112.8	169.2#
51	32.4	33.4	50.0#
86	49.7	51.7	77.5#



Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

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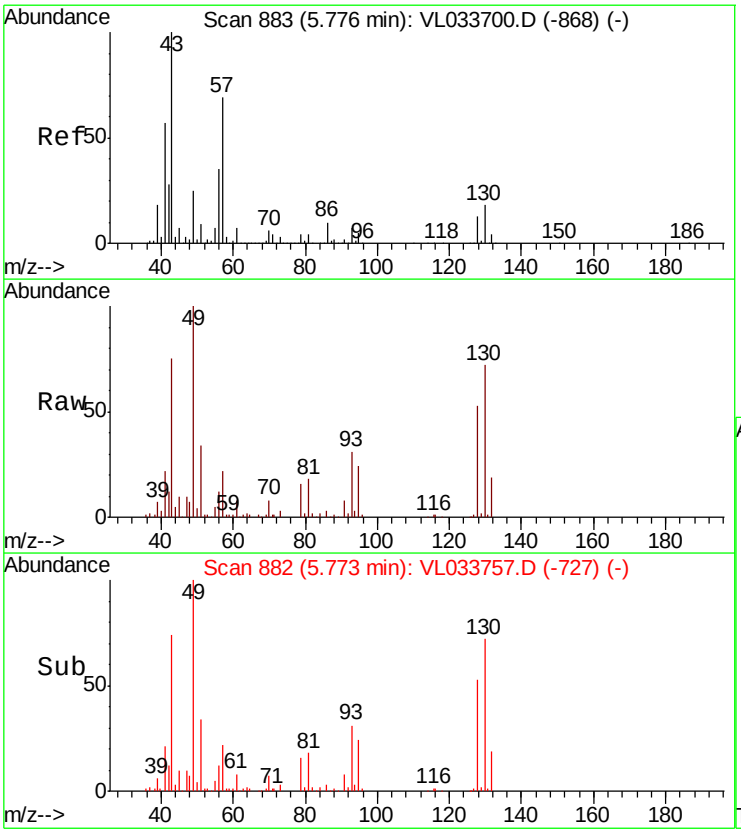
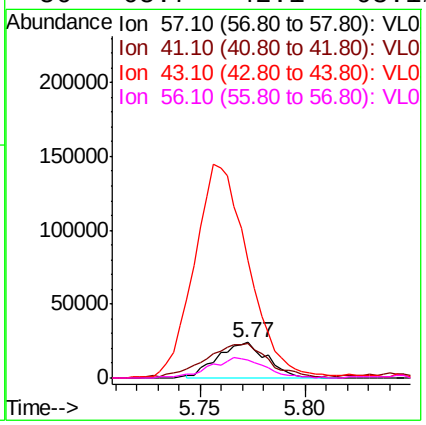
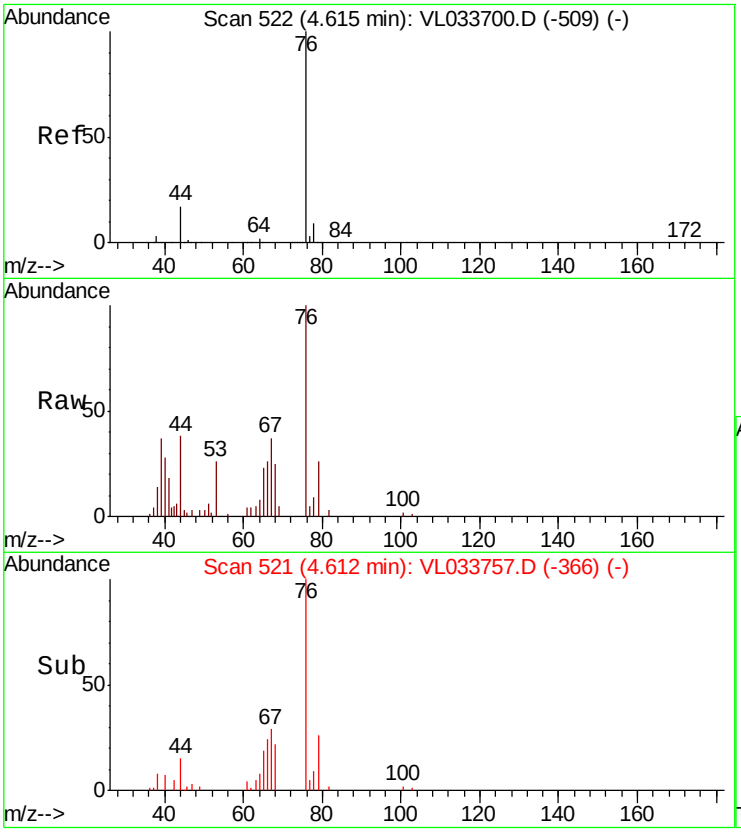


#26
Hexane
Concen: 0.372 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 57 Resp: 38969

Ion	Ratio	Lower	Upper
57	100		
41	122.2	69.8	104.6#
43	662.9	181.8	272.6#
56	65.7	42.1	63.1#

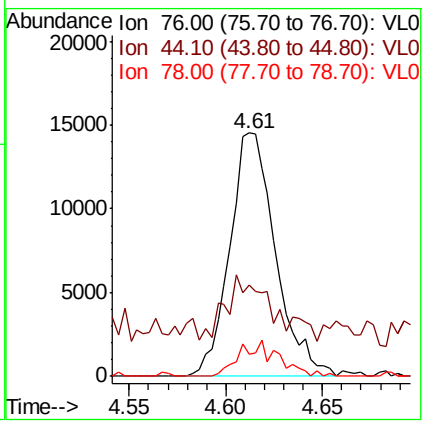




#27
Carbon Disulfide
Concen: 0.167 ppbv
RT: 4.61 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 76 Resp: 23949

Ion	Ratio	Lower	Upper
76	100		
44	31.7	13.8	20.8#
78	12.7	7.4	11.0#



Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Manual Integrations APPROVED
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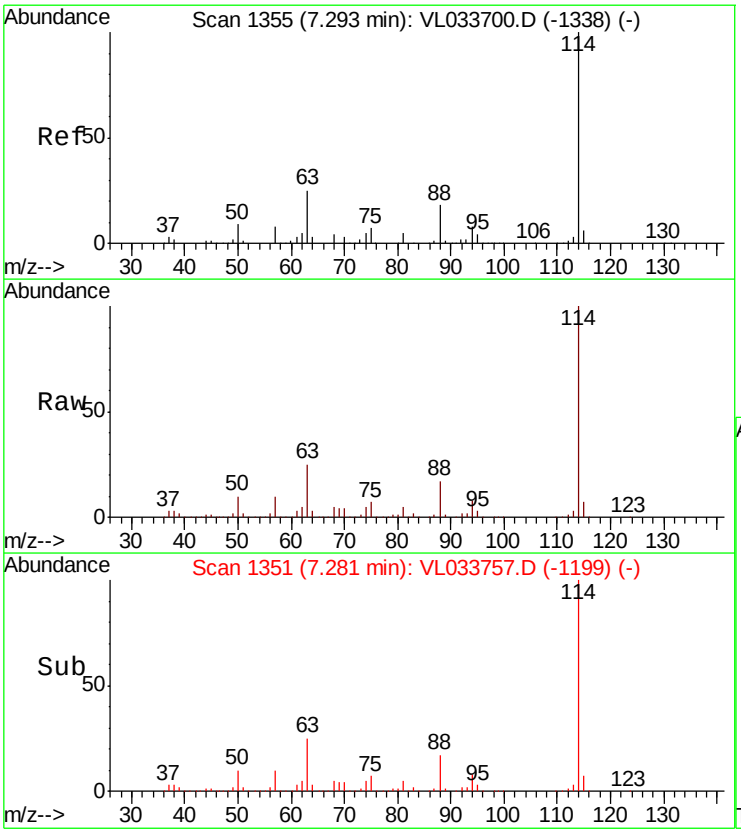
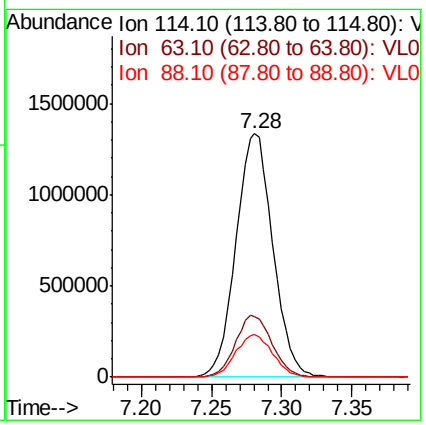
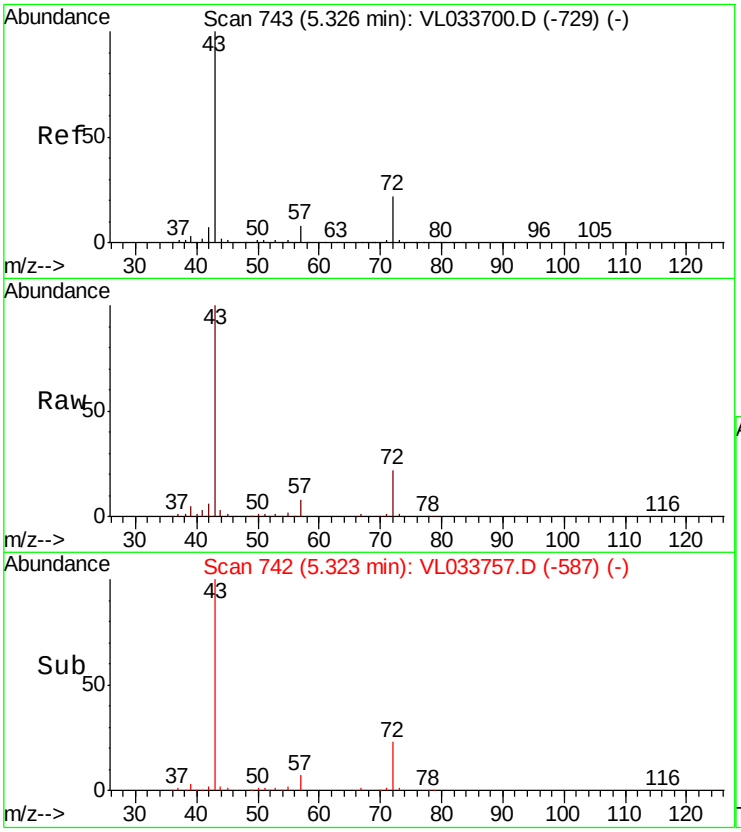


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion:114 Resp: 2442826

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.9	31.3
88	17.6	14.3	21.5

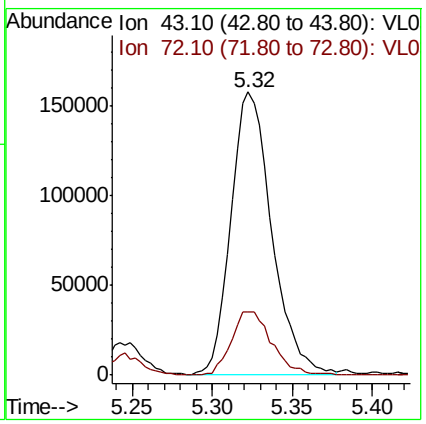




#34
2-Butanone
Concen: 1.796 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 43 Resp: 271962

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.8	26.6



Instrument :
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ClientSampleId :
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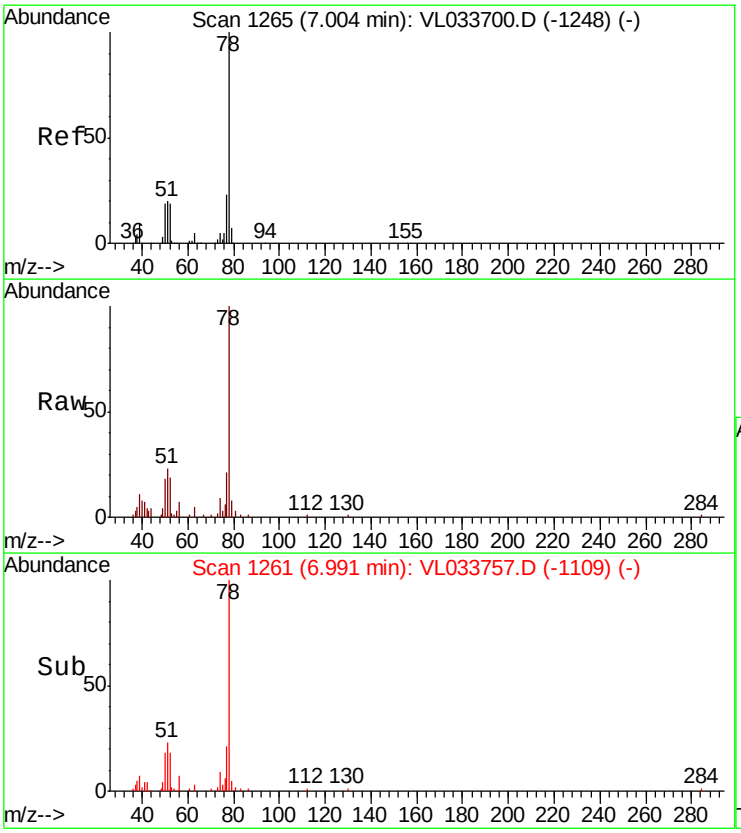
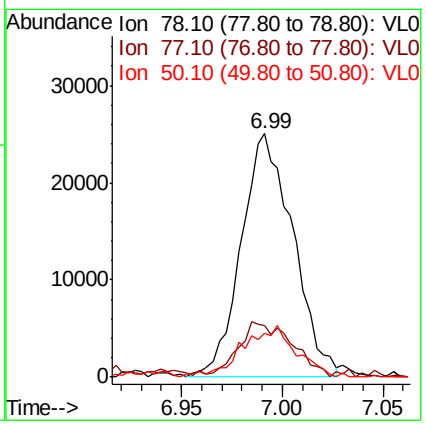
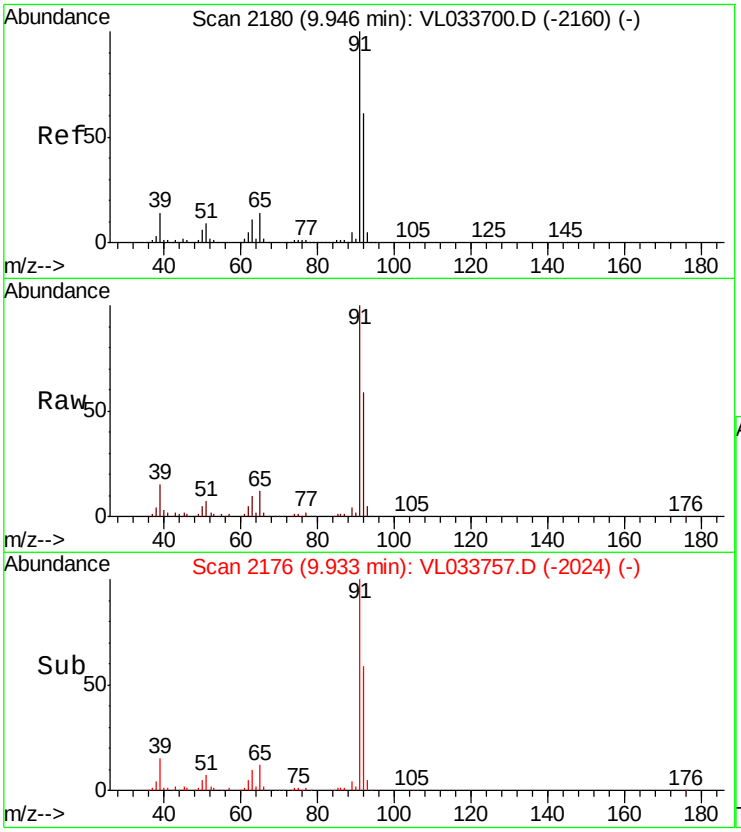


#36
Benzene
Concen: 0.203 ppbv
RT: 6.99 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 78 Resp: 45057

Ion	Ratio	Lower	Upper
78	100		
77	19.6	18.4	27.6
50	17.9	15.5	23.3

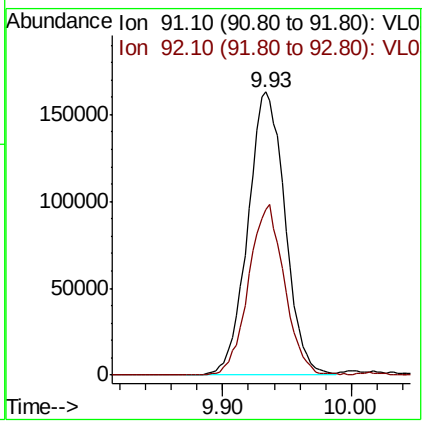




#53
Toluene
Concen: 1.367 ppbv
RT: 9.93 min Scan# 2176
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 91 Resp: 327668

Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.6	71.4



Instrument :
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ClientSampleId :
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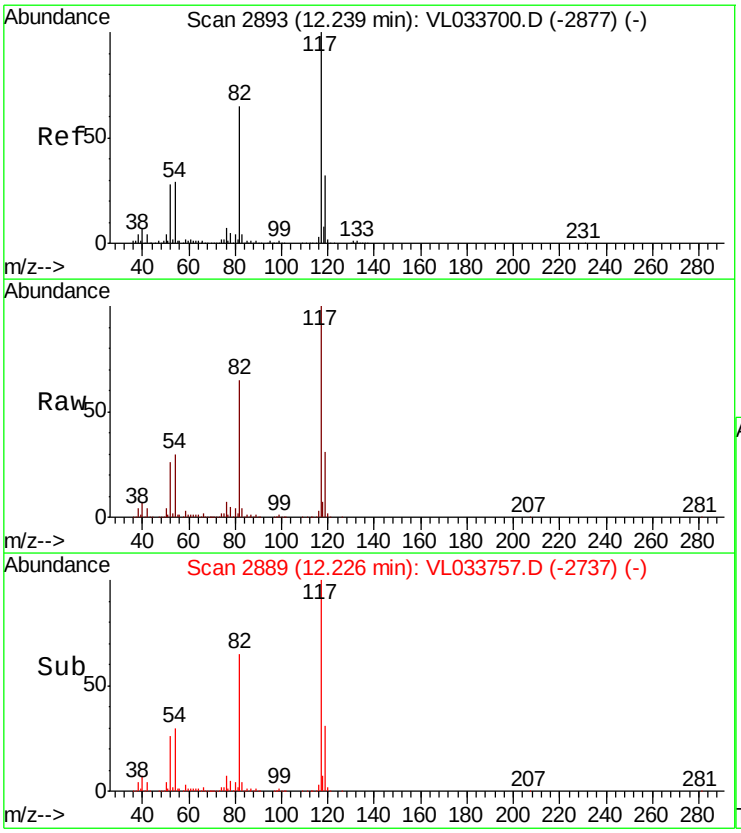
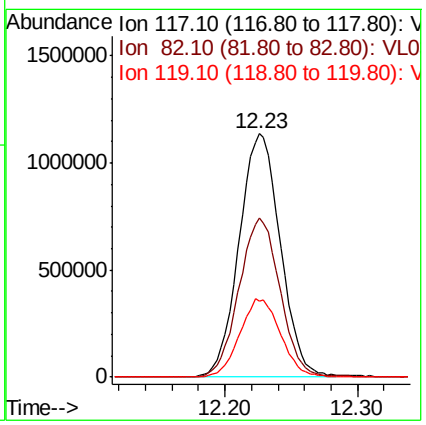
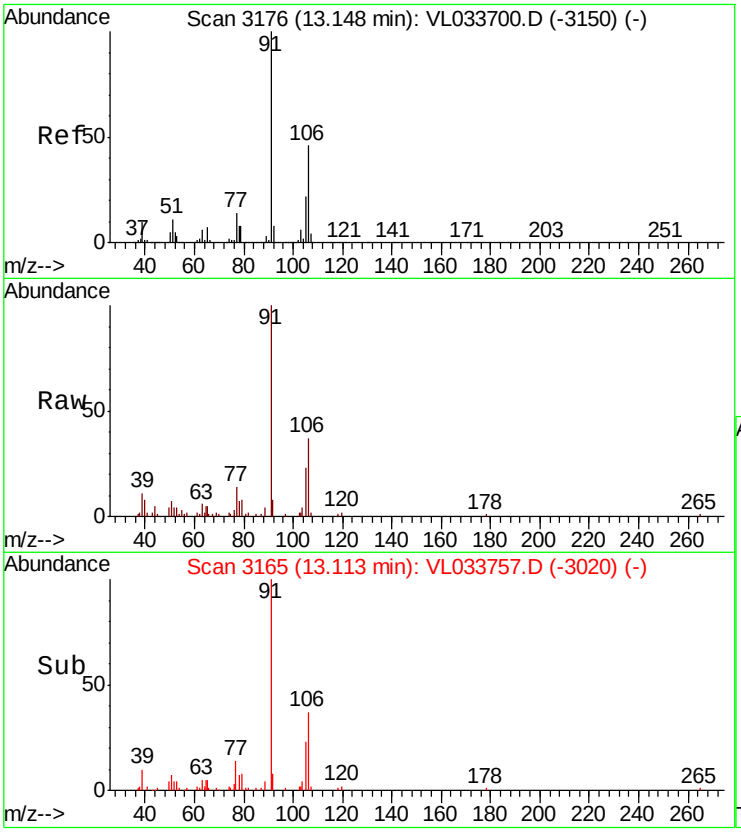


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion:117 Resp: 2452240

Ion	Ratio	Lower	Upper
117	100		
82	65.2	49.4	74.0
119	32.1	24.9	37.3





#59
m/p-Xylene
Concen: 0.221 ppbv m
RT: 13.11 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 91 Resp: 62799

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.6#

Instrument :
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ClientSampleId :
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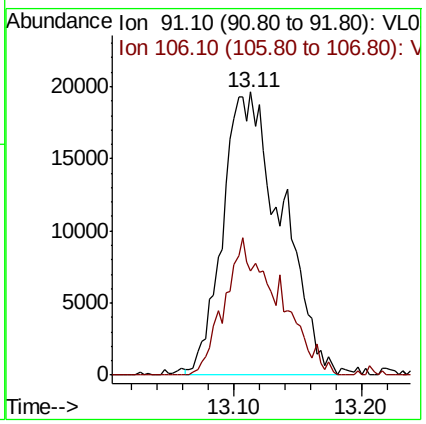

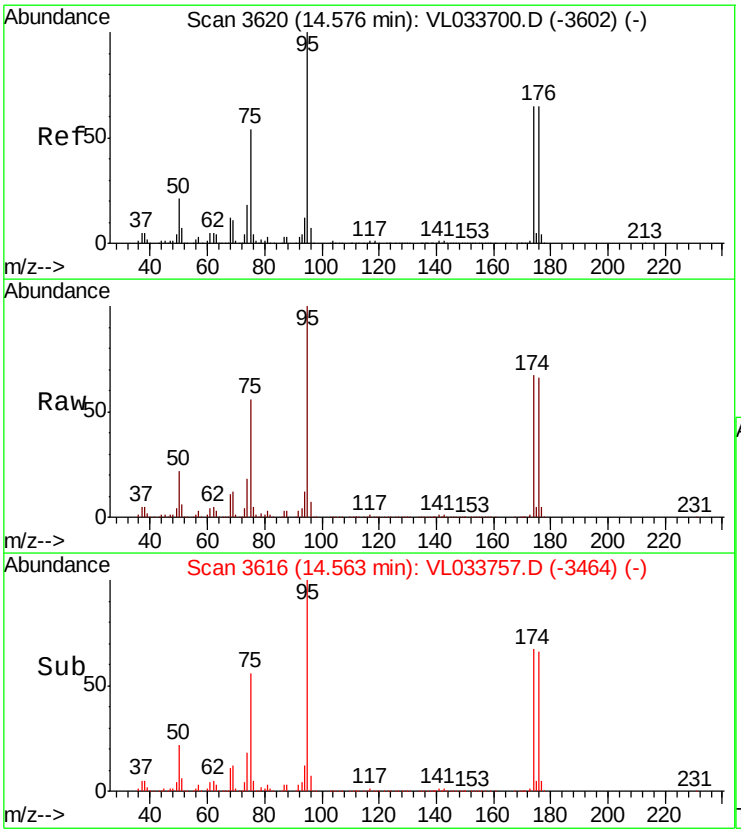

#68
1-Bromo-4-Fluorobenzene
Concen: 10.033 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 95 Resp: 1994592

Ion	Ratio	Lower	Upper
95	100		
174	67.7	53.9	80.9
175	4.9	3.8	5.8