Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121318\
Data File : VL032990.D
Acq On : 13 Dec 2018 19:35
Operator : SY/AP
Sample : J6382-01DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : P00131-SG001-181212-01DL

Manual Integrations APPROVED
MMDadoda
12/14/2018 11:19:15 AM

Quant Time: Dec 14 03:02:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 0
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1164329	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3093984	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2874266	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2161791	10.18	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.80%			
Target Compounds						Qvalue
4) Chloromethane	3.18	50	7527m	0.147	ppbv	
9) Propene	3.05	41	2045	0.059	ppbv	89
13) Ethanol	3.67	45	6694	0.558	ppbv	89
15) Acetone	3.92	43	43990	0.440	ppbv	94
20) Methylene Chloride	4.41	84	46659	0.955	ppbv	96
26) Hexane	5.78	57	19006m	0.174	ppbv	

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

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Instrument :
MSVOA_L
ClientSampleId :
P00131-SG001-181212-01DL

Manual Integrations APPROVED
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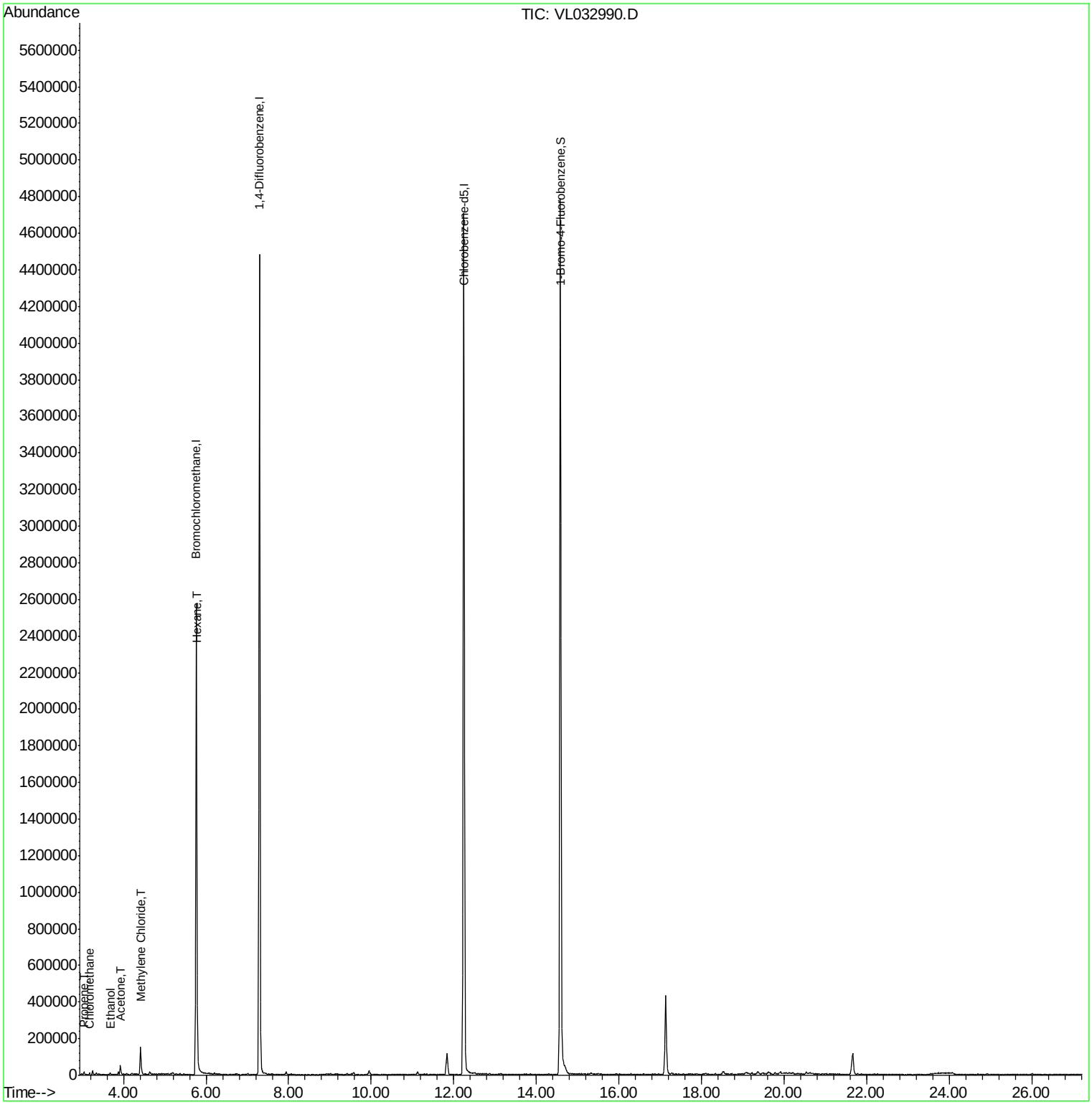
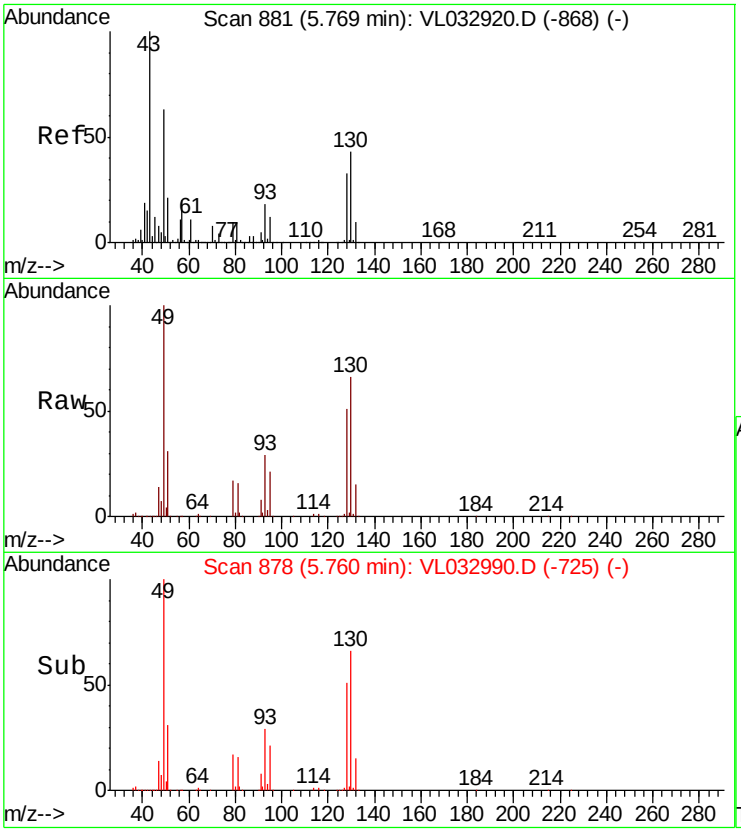
12/14/2018 11:19:15 AM

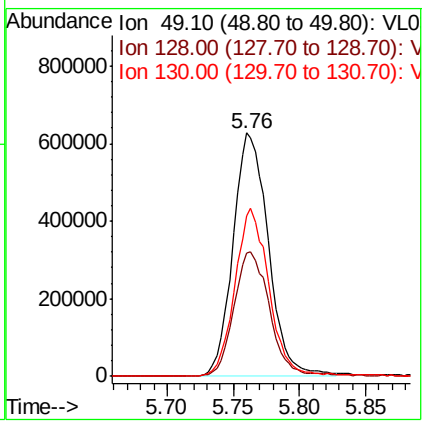




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

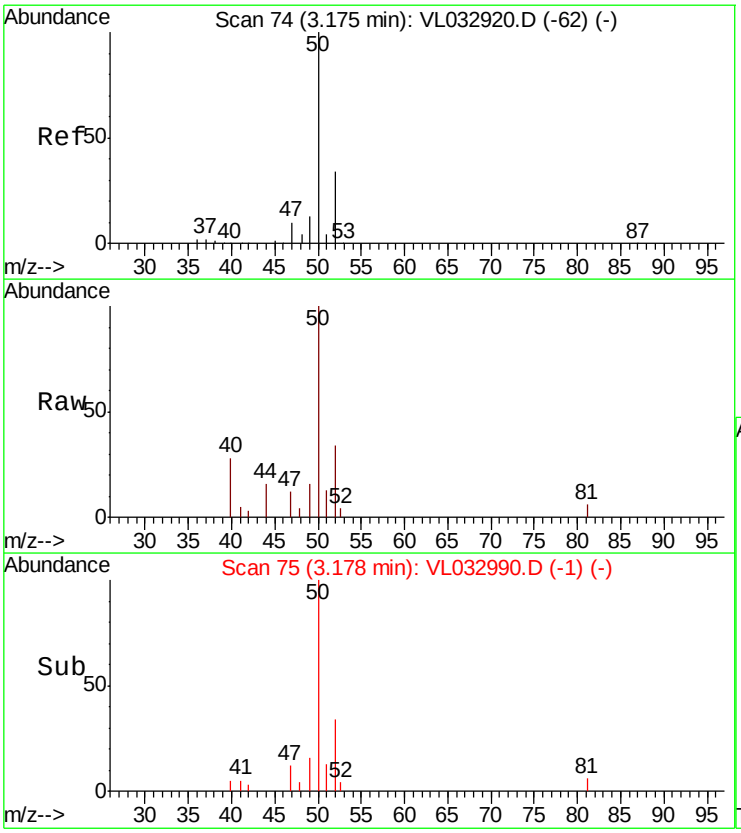
Tgt Ion: 49 Resp: 1164329

Ion	Ratio	Lower	Upper
49	100		
128	52.2	26.3	78.8
130	67.4	33.9	101.7



Instrument :
MSVOA_L
ClientSampleId :
P00131-SG001-181212-01DL

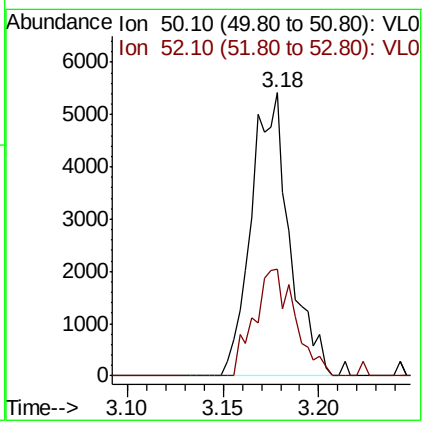
Manual Integrations APPROVED
MMDadoda
12/14/2018 11:19:15 AM

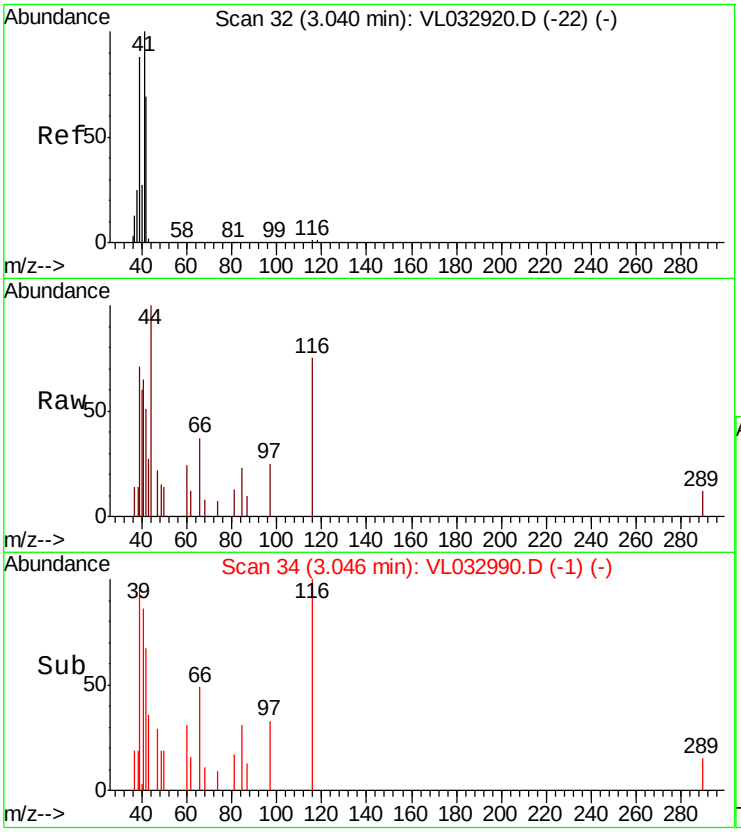


#4
Chloromethane
Concen: 0.147 ppbv m
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

Tgt Ion: 50 Resp: 7527

Ion	Ratio	Lower	Upper
50	100		
52	33.8	27.3	40.9





#9
Propene
Concen: 0.059 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.01 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

Tgt Ion: 41 Resp: 2045

Ion	Ratio	Lower	Upper
41	100		
42	79.2	56.2	84.2

Instrument :
MSVOA_L
ClientSampleId :
P00131-SG001-181212-01DL

Manual Integrations APPROVED
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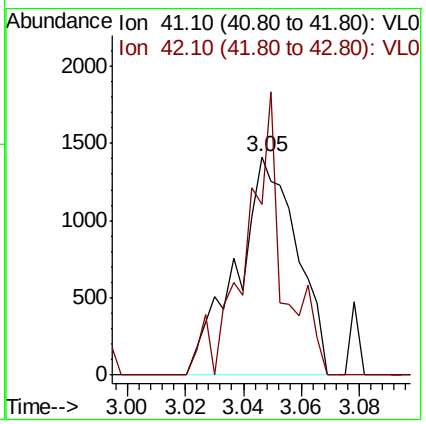
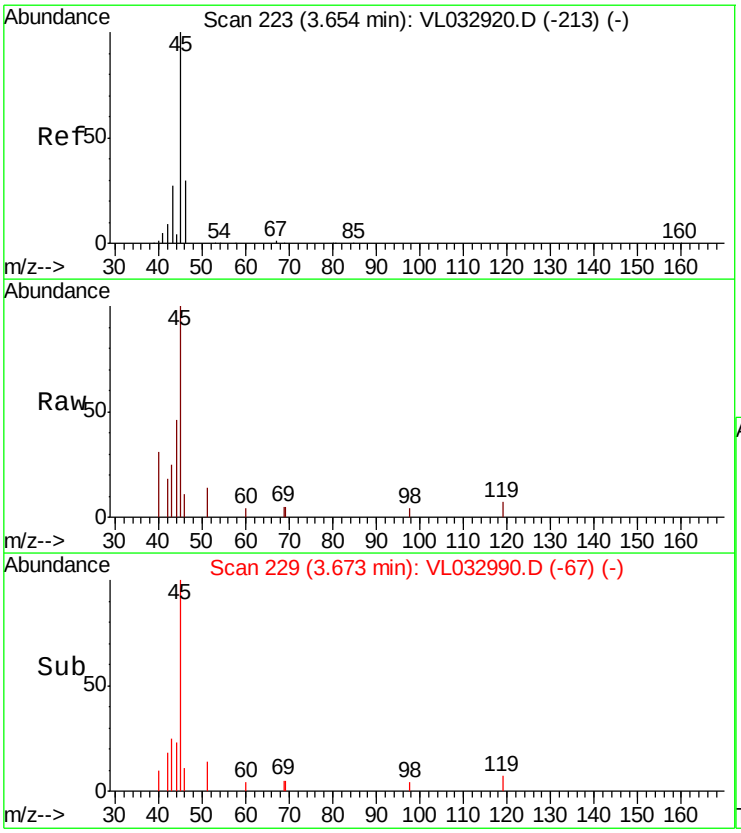
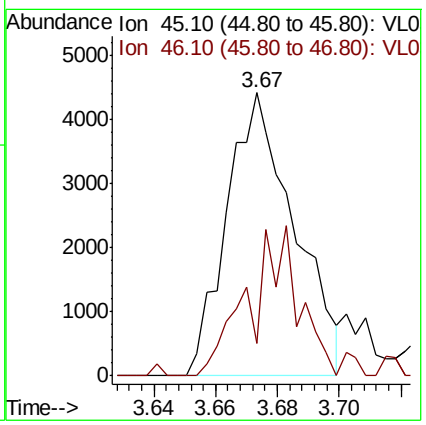


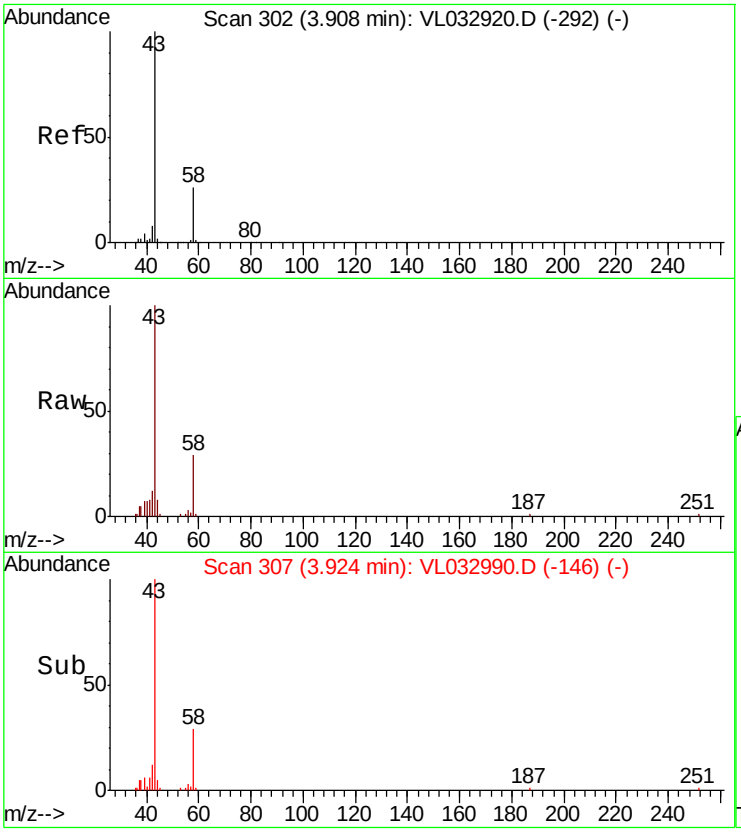


#13
Ethanol
Concen: 0.558 ppbv
RT: 3.67 min Scan# 229
Delta R.T. 0.02 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

Tgt Ion: 45 Resp: 6694

Ion	Ratio	Lower	Upper
45	100		
46	41.0	13.8	55.4

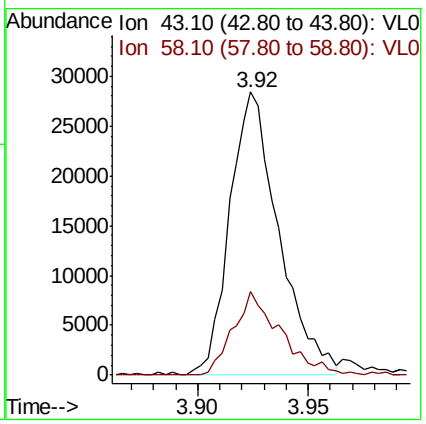




#15
Acetone
Concen: 0.440 ppbv
RT: 3.92 min Scan# 307
Delta R.T. 0.02 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

Tgt Ion: 43 Resp: 43990

Ion	Ratio	Lower	Upper
43	100		
58	28.6	20.6	30.8



Instrument :
MSVOA_L
ClientSampleId :
P00131-SG001-181212-01DL

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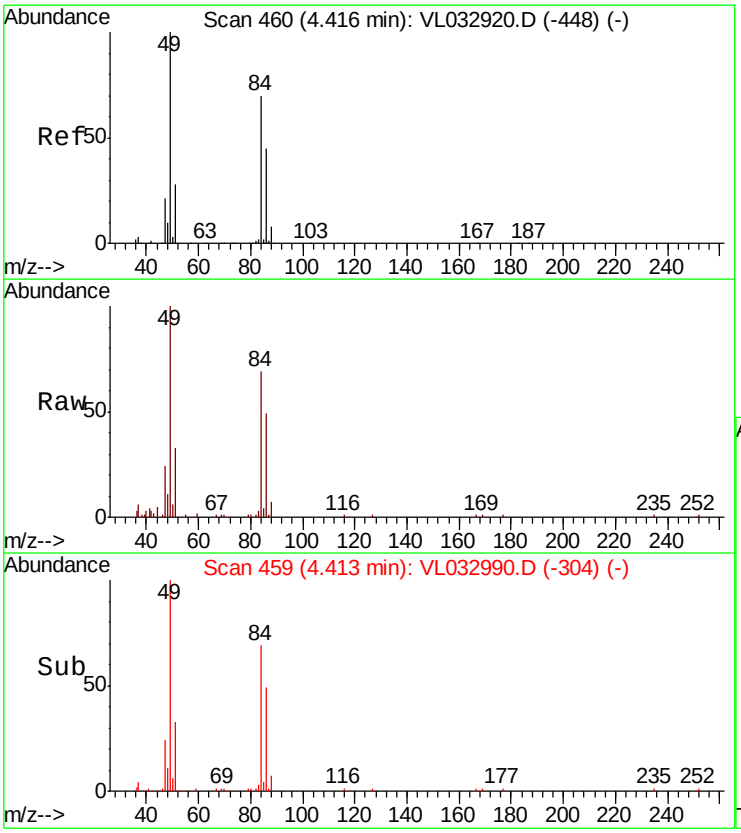
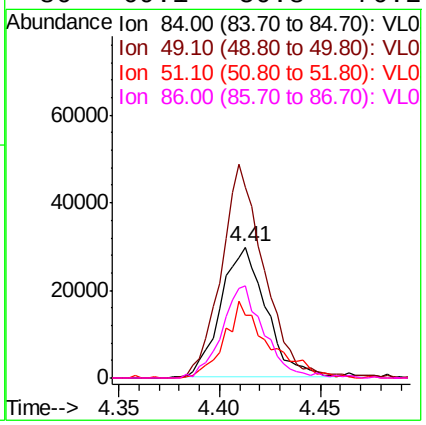
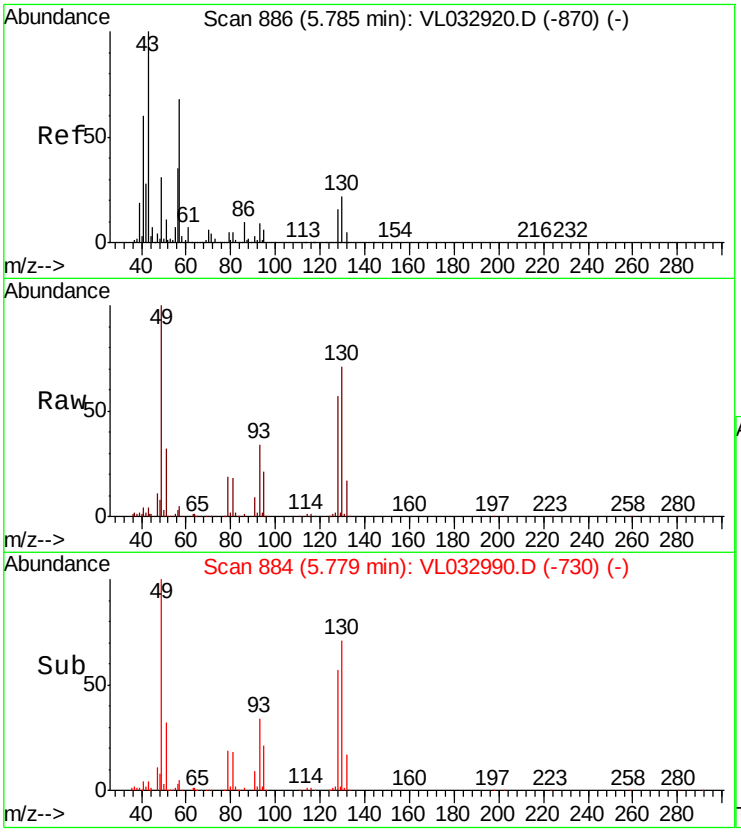


#20
Methylene Chloride
Concen: 0.955 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

Tgt Ion: 84 Resp: 46659

Ion	Ratio	Lower	Upper
84	100		
49	143.4	113.8	170.8
51	47.1	31.8	47.8
86	69.1	50.8	76.2

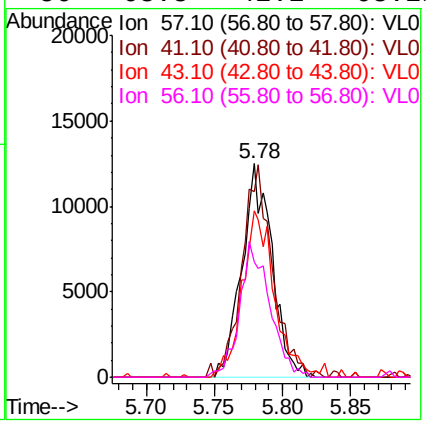




#26
Hexane
Concen: 0.174 ppbv m
RT: 5.78 min Scan# 884
Delta R.T. -0.01 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

Tgt Ion: 57 Resp: 19006

Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.2	108.2#
43	84.6	171.9	257.9#
56	63.8	42.2	63.2#



Instrument :
MSVOA_L
ClientSampleId :
P00131-SG001-181212-01DL

Manual Integrations APPROVED
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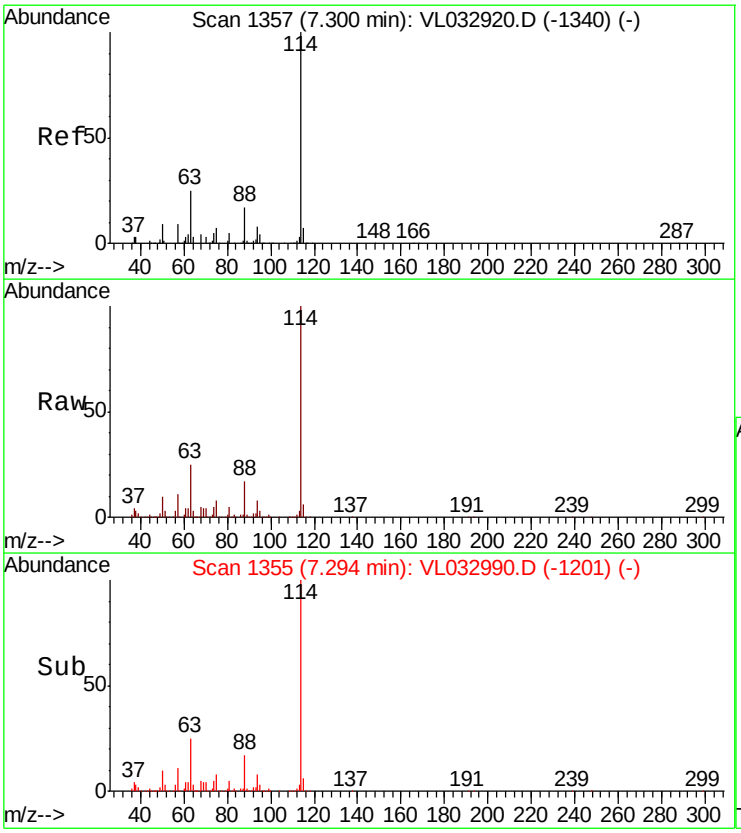
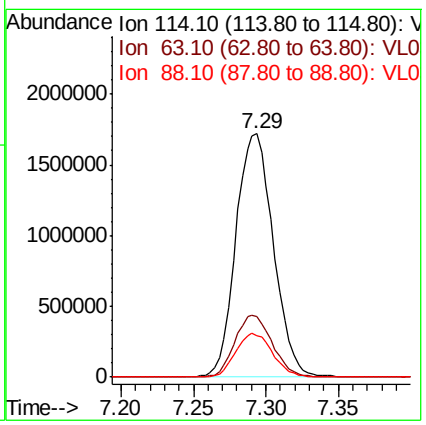
12/14/2018 11:19:15 AM

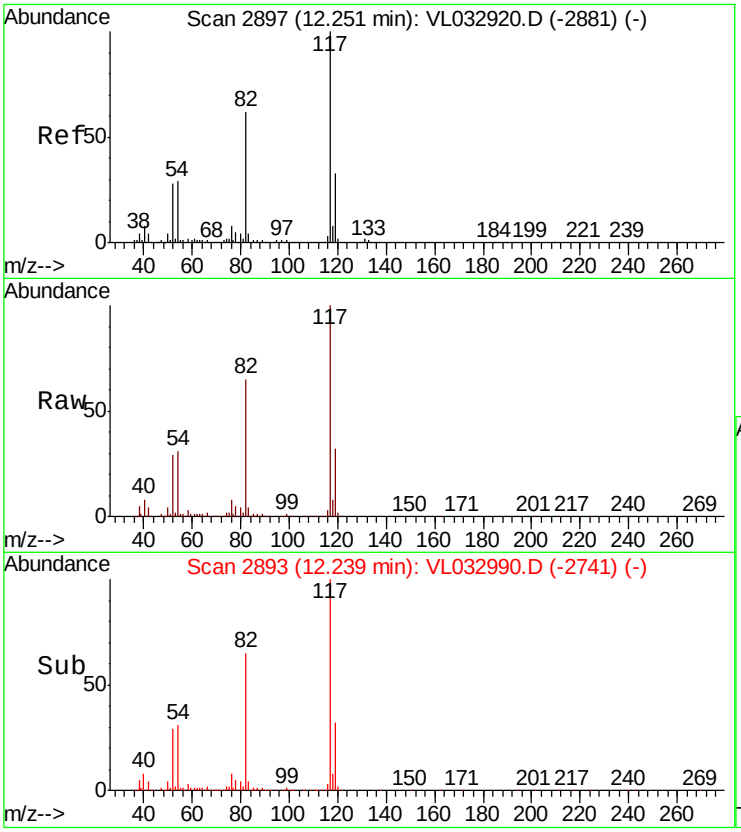


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

Tgt Ion:114 Resp: 3093984

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.1	30.1
88	17.8	14.2	21.4

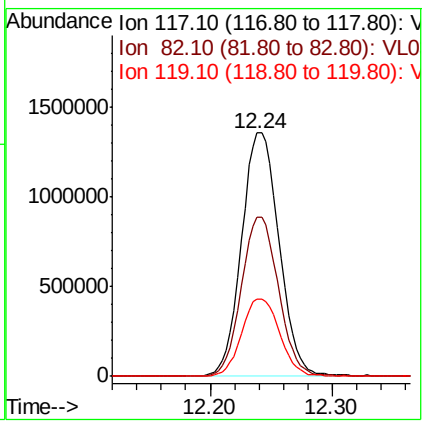




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

Tgt Ion:117 Resp: 2874266

Ion	Ratio	Lower	Upper
117	100		
82	65.1	47.8	71.8
119	32.4	43.1	64.7#



Instrument :
MSVOA_L
ClientSampleId :
P00131-SG001-181212-01DL

Manual Integrations APPROVED
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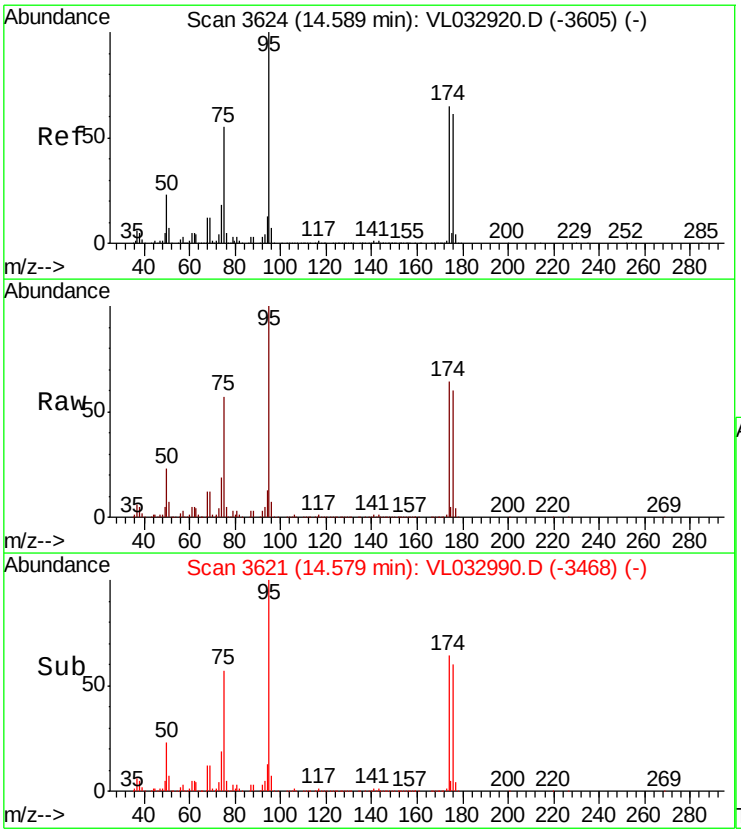

#68
1-Bromo-4-Fluorobenzene
Concen: 10.180 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032990.D
Acq: 13 Dec 2018 19:35

Tgt Ion: 95 Resp: 2161791

Ion	Ratio	Lower	Upper
95	100		
174	64.9	51.4	77.0
175	4.7	3.8	5.6