Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071719\
Data File : VL034044.D
Acq On : 17 Jul 2019 23:10
Operator : SY/AP
Sample : K3804-02DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Manual Integrations APPROVED
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7/19/2019 1:37:27 AM

Quant Time: Jul 18 06:39:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 0
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	983639	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.25	114	3758221	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.19	117	3657543	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.52	95	2176258	6.98	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 69.80%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.99	51	20413	0.168	ppbv #	86
9) Propene	3.03	41	8037m	0.180	ppbv	
13) Ethanol	3.62	45	496085	35.738	ppbv	93
15) Acetone	3.88	43	276590	1.672	ppbv	98
20) Methylene Chloride	4.37	84	7899m	0.110	ppbv	
26) Hexane	5.74	57	17170m	0.166	ppbv	
52) Tetrachloroethene	11.32	164	4451m	0.035	ppbv	

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

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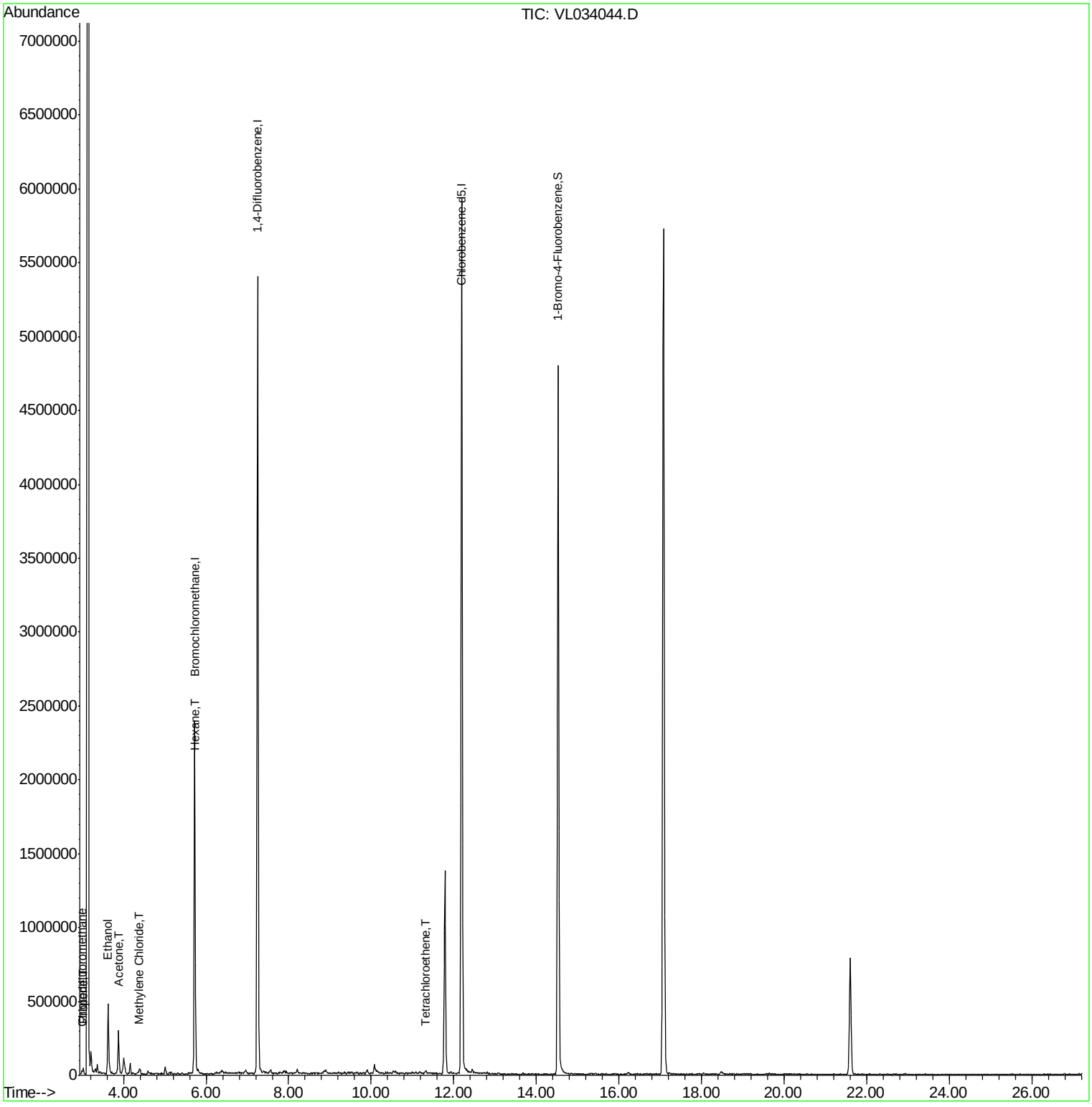
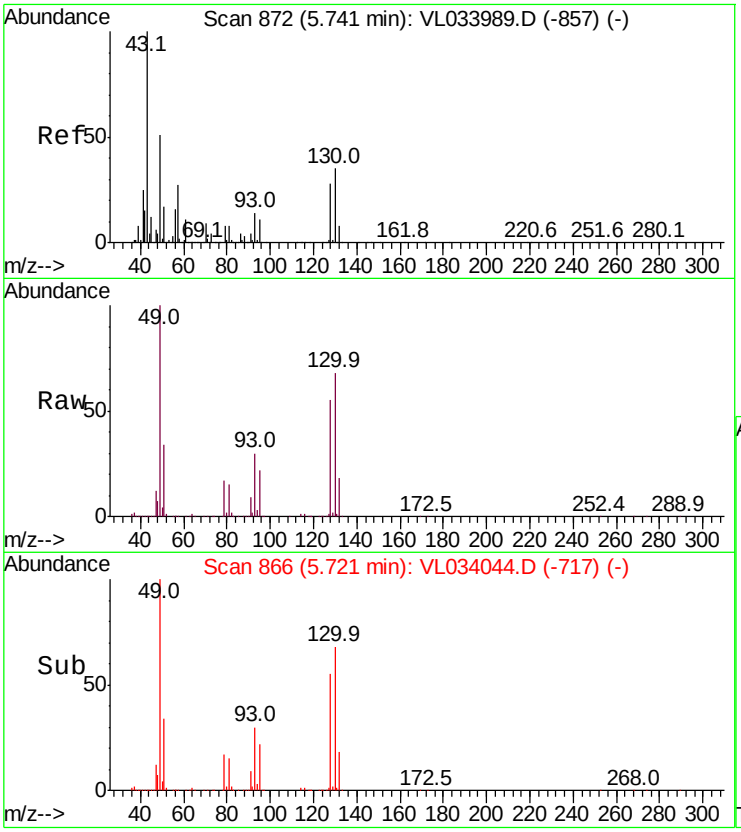
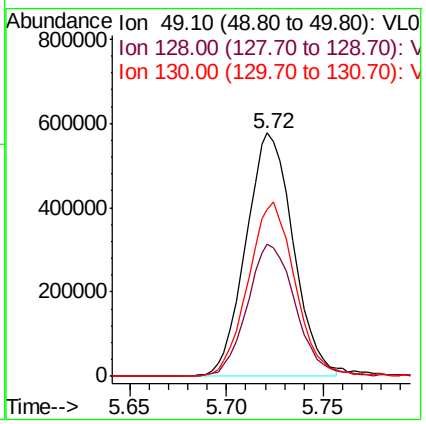




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.72 min Scan# 866
Delta R.T. -0.02 min
Lab File: VL034044.D
Acq: 17 Jul 2019 23:10

Tgt Ion: 49 Resp: 983639

Ion	Ratio	Lower	Upper
49	100		
128	56.4	27.9	83.6
130	72.4	35.8	107.4



Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

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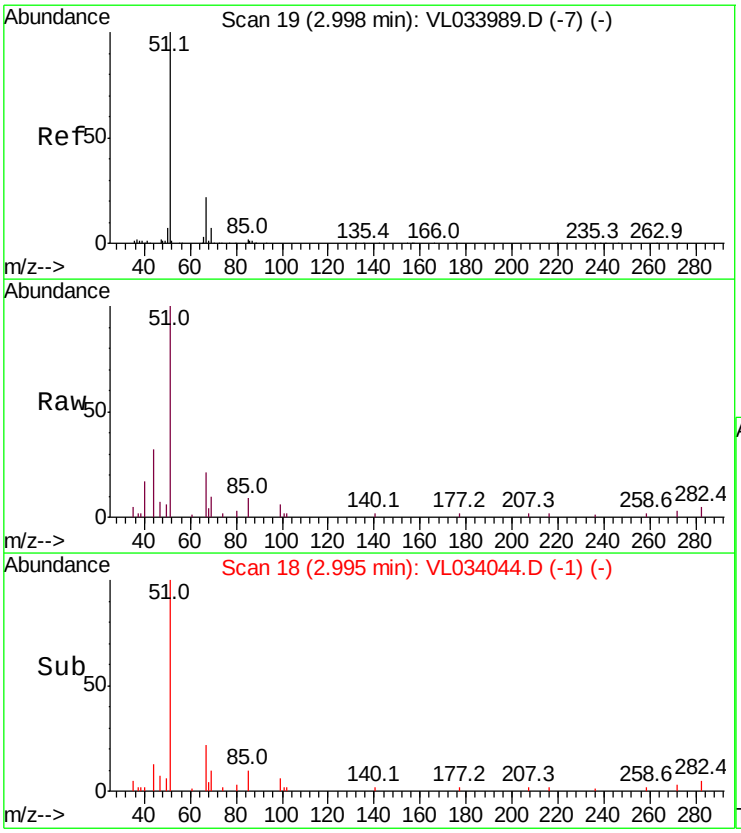
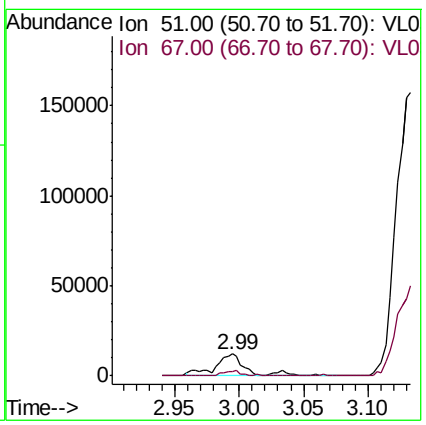
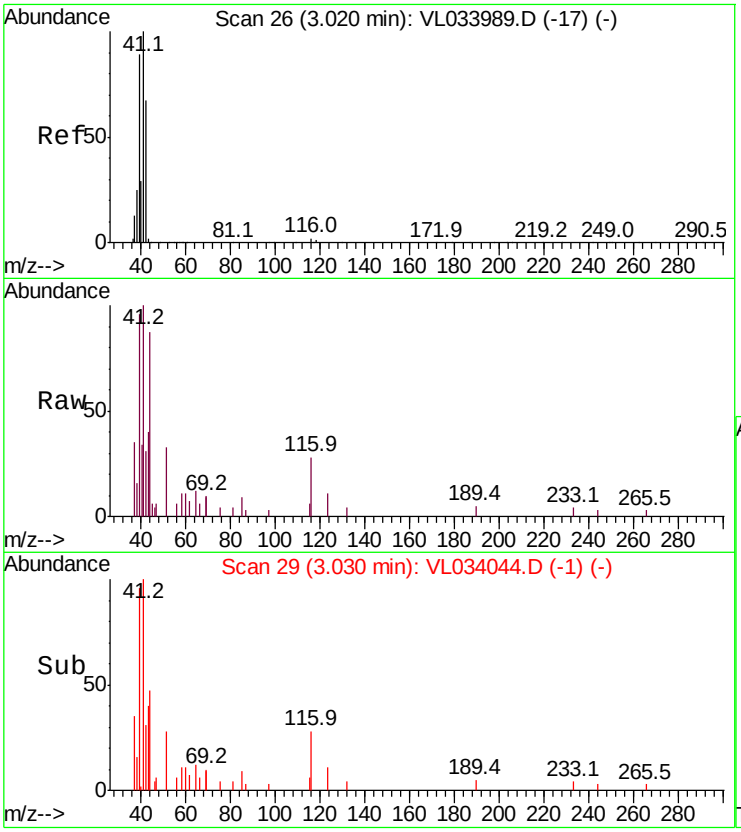


#3
Chlorodifluoromethane
Concen: 0.168 ppbv
RT: 2.99 min Scan# 18
Delta R.T. -0.00 min
Lab File: VL034044.D
Acq: 17 Jul 2019 23:10

Tgt Ion: 51 Resp: 20413

Ion	Ratio	Lower	Upper
51	100		
67	14.8	17.3	25.9#





#9
Propene
Concen: 0.180 ppbv m
RT: 3.03 min Scan# 29
Delta R.T. 0.01 min
Lab File: VL034044.D
Acq: 17 Jul 2019 23:10

Tgt Ion: 41 Resp: 8037

Ion	Ratio	Lower	Upper
41	100		
42	10.8	57.1	85.7#

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

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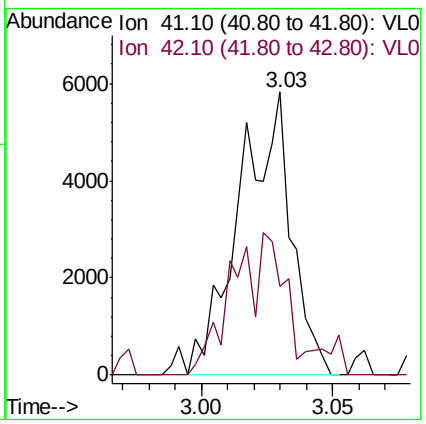
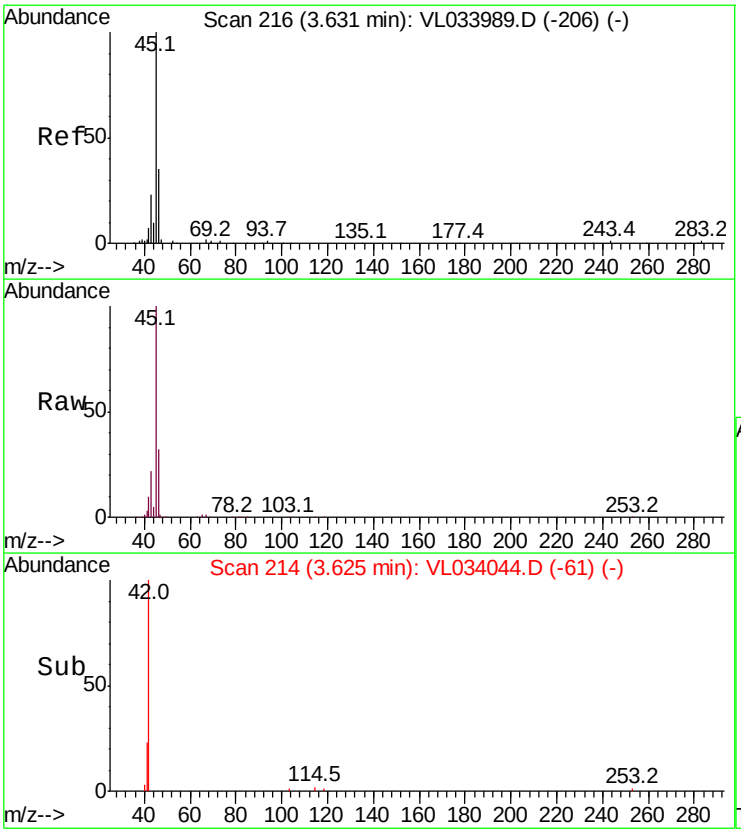
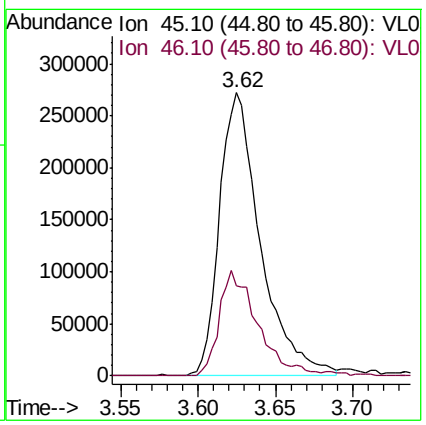


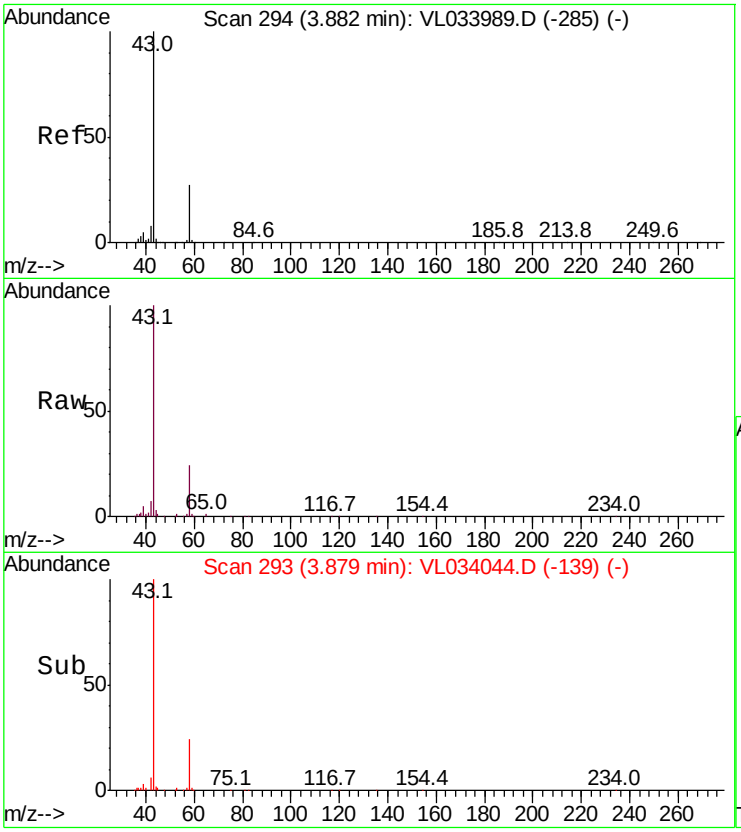


#13
Ethanol
Concen: 35.738 ppbv
RT: 3.62 min Scan# 214
Delta R.T. -0.01 min
Lab File: VL034044.D
Acq: 17 Jul 2019 23:10

Tgt Ion: 45 Resp: 496085

Ion	Ratio	Lower	Upper
45	100		
46	36.1	16.2	64.6





#15
Acetone
Concen: 1.672 ppbv
RT: 3.88 min Scan# 293
Delta R.T. -0.00 min
Lab File: VL034044.D
Acq: 17 Jul 2019 23:10

Tgt Ion: 43 Resp: 276590

Ion	Ratio	Lower	Upper
43	100		
58	27.5	21.4	32.0

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

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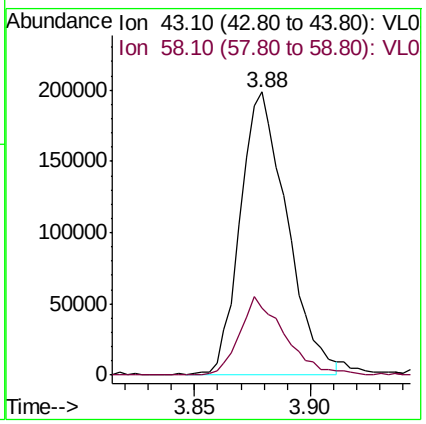
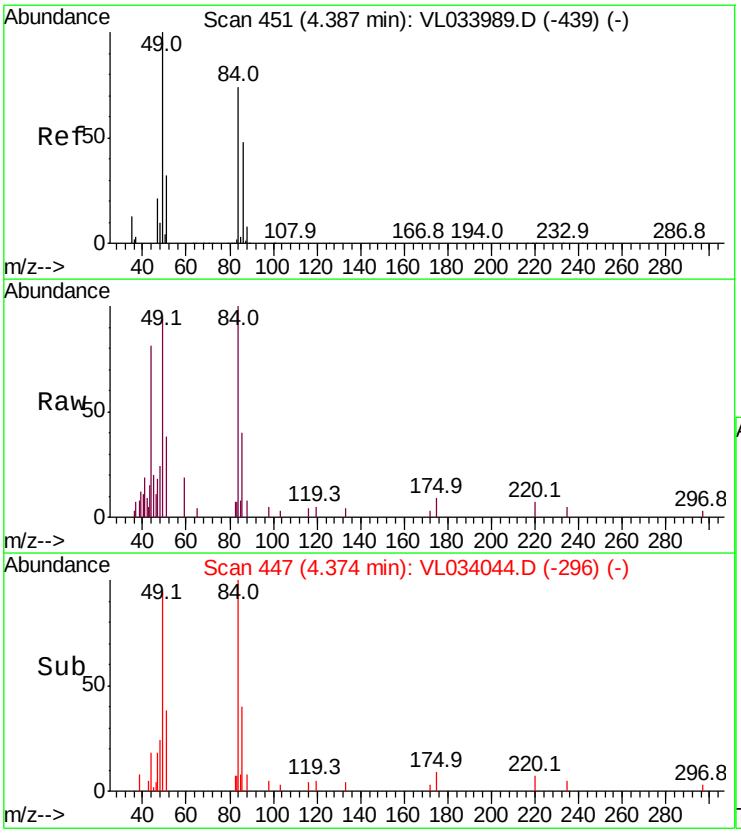
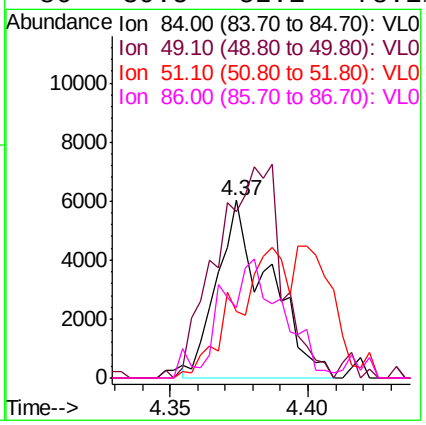


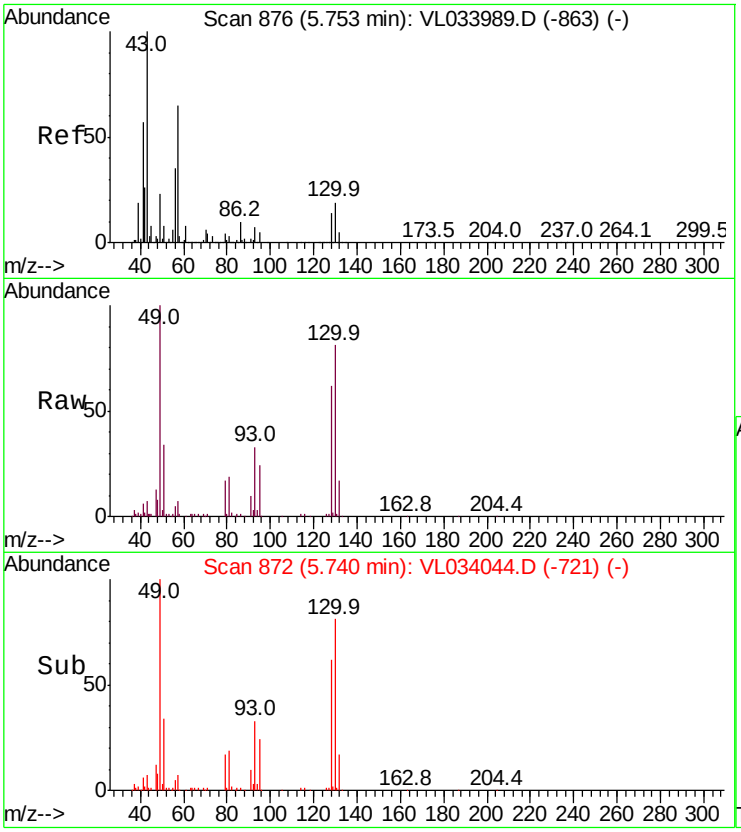


#20
Methylene Chloride
Concen: 0.110 ppbv m
RT: 4.37 min Scan# 447
Delta R.T. -0.01 min
Lab File: VL034044.D
Acq: 17 Jul 2019 23:10

Tgt Ion: 84 Resp: 7899

Ion	Ratio	Lower	Upper
84	100		
49	93.6	107.6	161.4#
51	37.8	35.0	52.6
86	39.5	52.1	78.1#

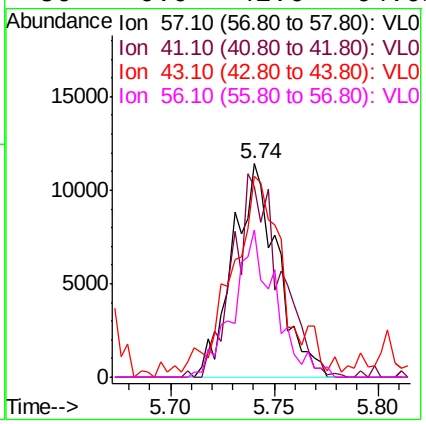




#26
Hexane
Concen: 0.166 ppbv m
RT: 5.74 min Scan# 872
Delta R.T. -0.01 min
Lab File: VL034044.D
Acq: 17 Jul 2019 23:10

Tgt Ion: 57 Resp: 17170

Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.6	105.8#
43	0.0	177.6	266.4#
56	0.0	42.6	64.0#



Instrument :
MSVOA_L
ClientSampleId :
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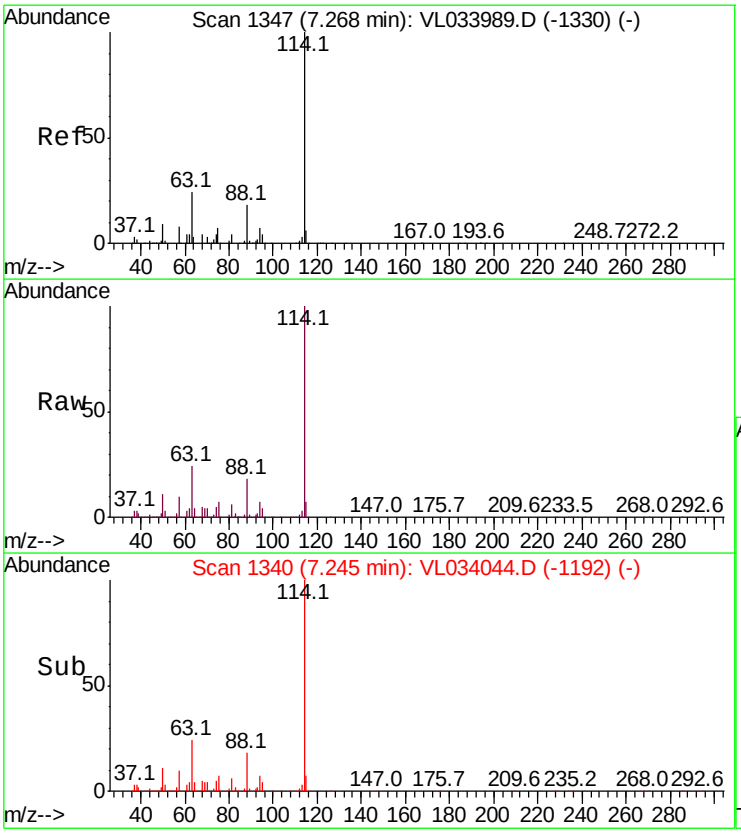
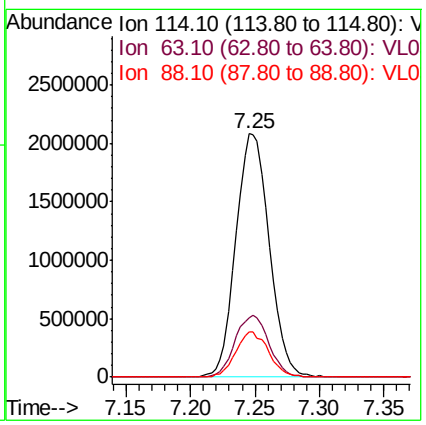
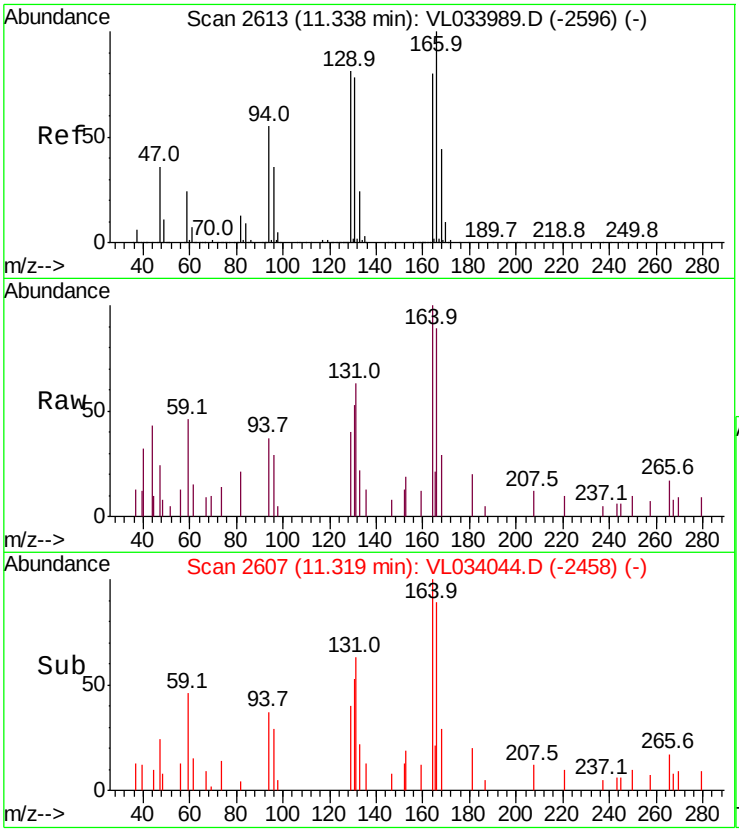


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.02 min
Lab File: VL034044.D
Acq: 17 Jul 2019 23:10

Tgt Ion:114 Resp: 3758221

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.2	30.2
88	18.3	14.1	21.1

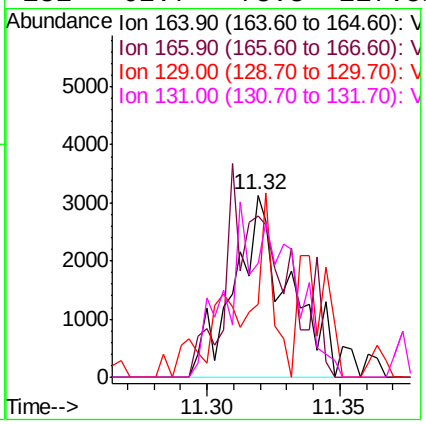




#52
Tetrachloroethene
Concen: 0.035 ppbv m
RT: 11.32 min Scan# 2607
Delta R.T. -0.02 min
Lab File: VL034044.D
Acq: 17 Jul 2019 23:10

Tgt Ion:164 Resp: 4451

Ion	Ratio	Lower	Upper
164	100		
166	88.5	100.2	150.2#
129	40.2	81.0	121.6#
131	62.7	78.3	117.5#



Instrument :
MSVOA_L
ClientSampleId :
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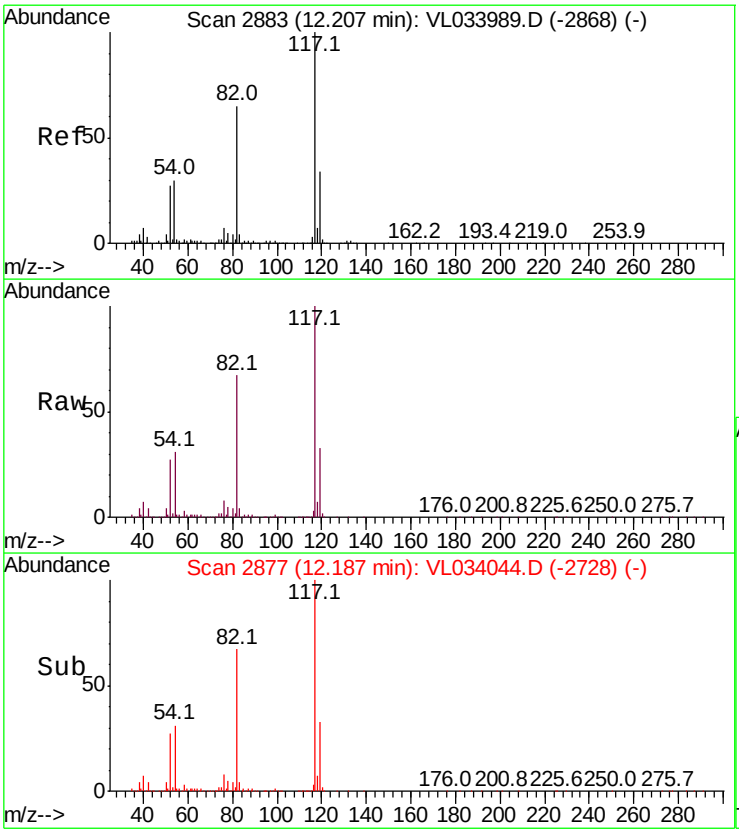
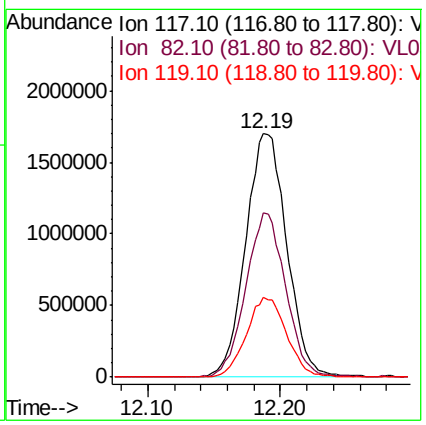
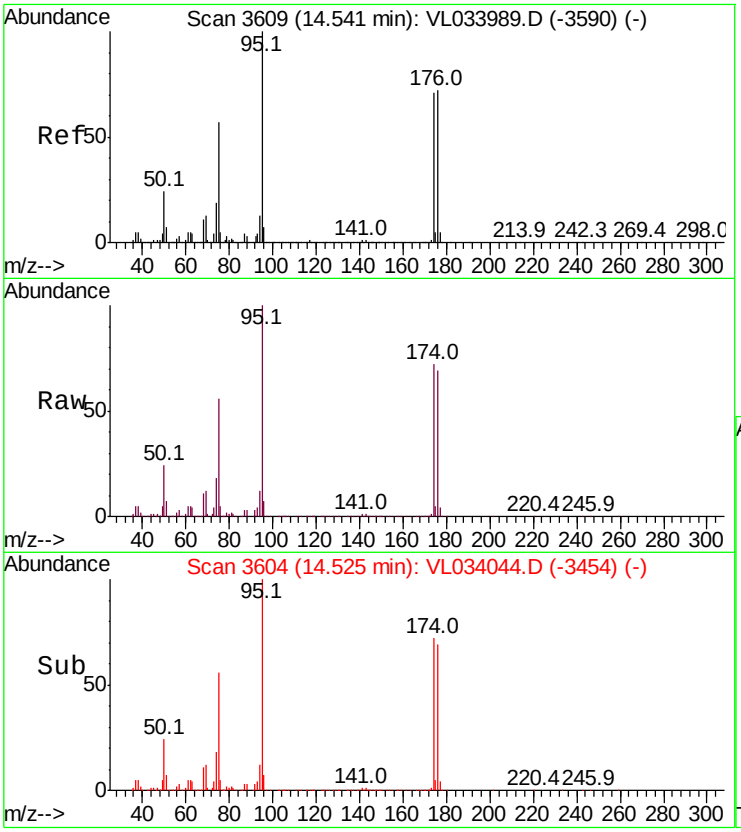


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2877
Delta R.T. -0.02 min
Lab File: VL034044.D
Acq: 17 Jul 2019 23:10

Tgt Ion:117 Resp: 3657543

Ion	Ratio	Lower	Upper
117	100		
82	66.0	50.8	76.2
119	32.2	24.0	36.0

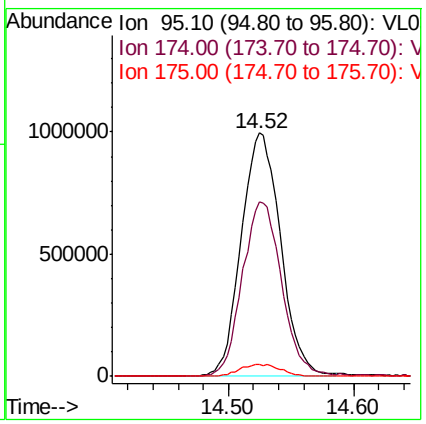




#68
1-Bromo-4-Fluorobenzene
Concen: 6.976 ppbv
RT: 14.52 min Scan# 3604
Delta R.T. -0.02 min
Lab File: VL034044.D
Acq: 17 Jul 2019 23:10

Tgt Ion: 95 Resp: 2176258

Ion	Ratio	Lower	Upper
95	100		
174	72.2	60.5	90.7
175	5.1	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
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