Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032577.D
Acq On : 28 Sep 2018 10:33
Operator : SY/AP
Sample : J5094-09 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : CSS-1

Manual Integrations APPROVED
MMDadoda
10/1/2018 11:58:04 AM

Quant Time: Sep 28 23:50:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 2
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1274369	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2780468	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	2791718	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2138978	10.16	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.60%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	3.03	51	58623	0.553	ppbv	99
13) Ethanol	3.68	45	125816	9.103	ppbv	96
15) Acetone	3.93	43	69942	0.625	ppbv	96
19) Isopropyl Alcohol	4.08	45	9641m	0.124	ppbv	
20) Methylene Chloride	4.44	84	34161	0.631	ppbv #	81
38) Trichloroethene	7.99	130	16752m	0.195	ppbv	
52) Tetrachloroethene	11.42	164	4503844	57.566	ppbv	99
59) m/p-Xylene	13.16	91	103907m	0.345	ppbv	

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

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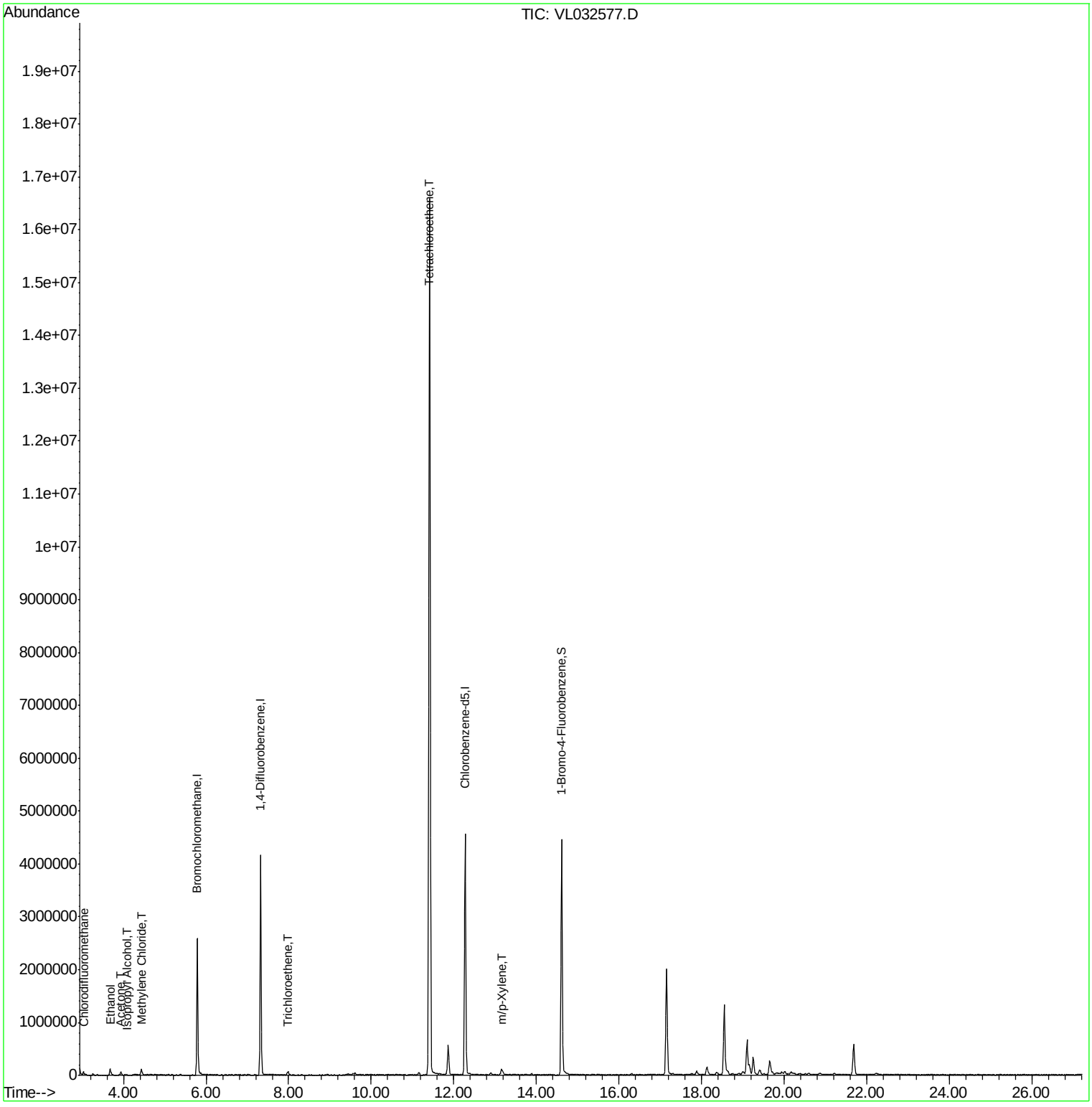
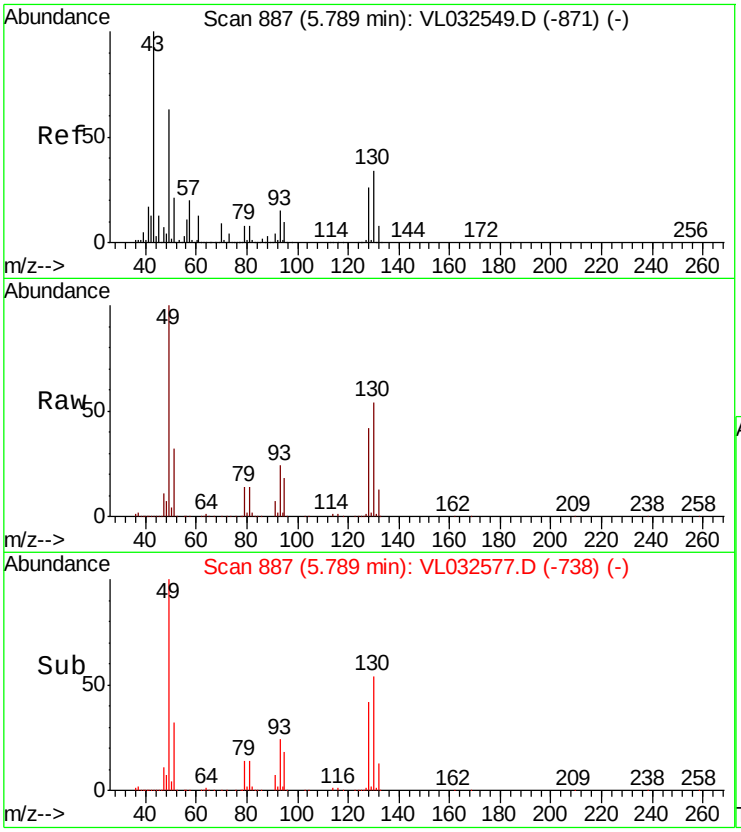
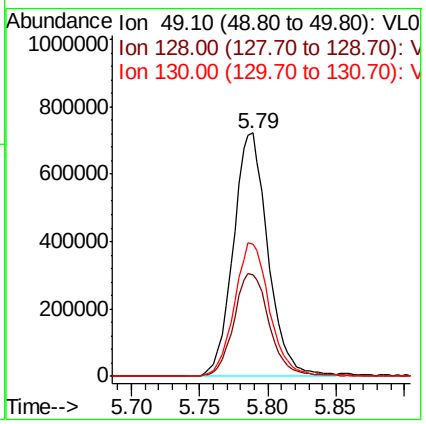




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.02 min
Lab File: VL032577.D
Acq: 28 Sep 2018 10:33

Tgt Ion: 49 Resp: 1274369

Ion	Ratio	Lower	Upper
49	100		
128	43.7	20.7	62.1
130	56.4	26.6	79.7



Instrument :
MSVOA_L
ClientSampleId :
CSS-1

Manual Integrations APPROVED
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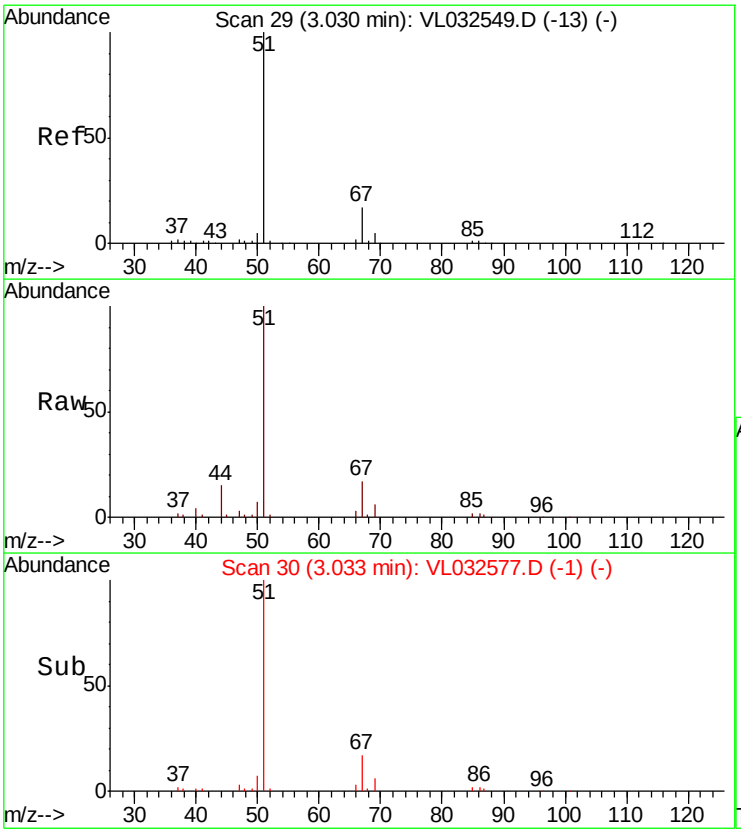
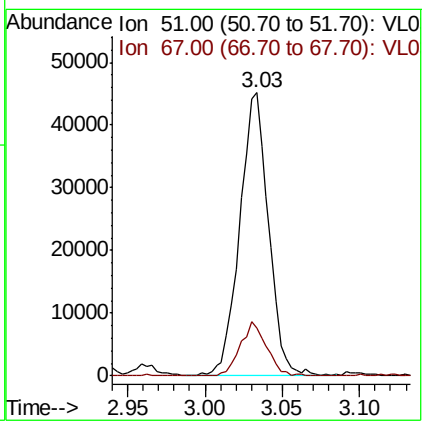
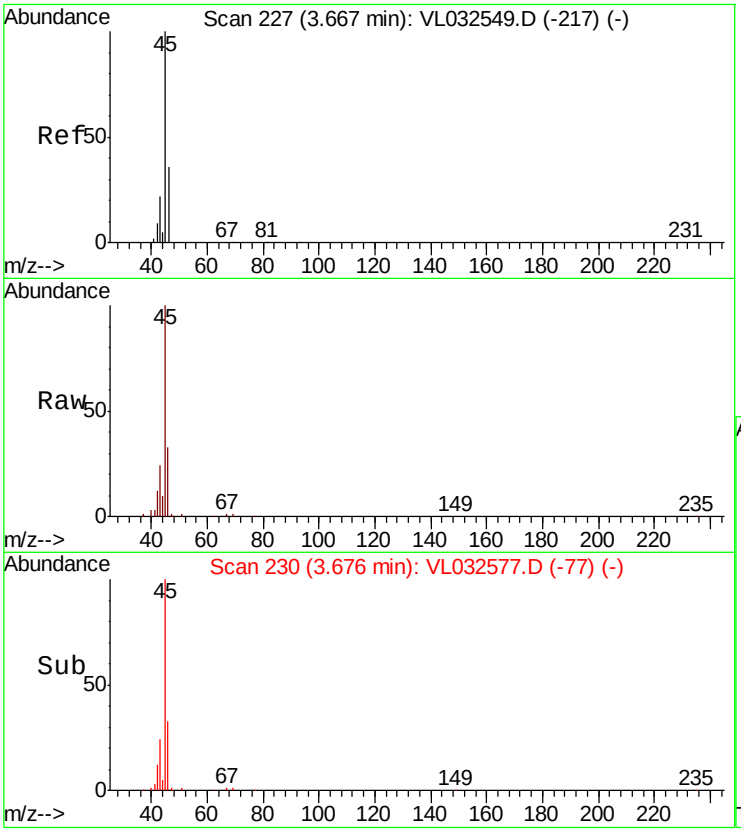


#3
Chlorodifluoromethane
Concen: 0.553 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.01 min
Lab File: VL032577.D
Acq: 28 Sep 2018 10:33

Tgt Ion: 51 Resp: 58623

Ion	Ratio	Lower	Upper
51	100		
67	17.5	13.8	20.8





#13
Ethanol
Concen: 9.103 ppbv
RT: 3.68 min Scan# 230
Delta R.T. -0.01 min
Lab File: VL032577.D
Acq: 28 Sep 2018 10:33

Tgt Ion: 45 Resp: 125816

Ion	Ratio	Lower	Upper
45	100		
46	37.6	14.2	56.8

Instrument :
MSVOA_L
ClientSampleId :
CSS-1

Manual Integrations APPROVED
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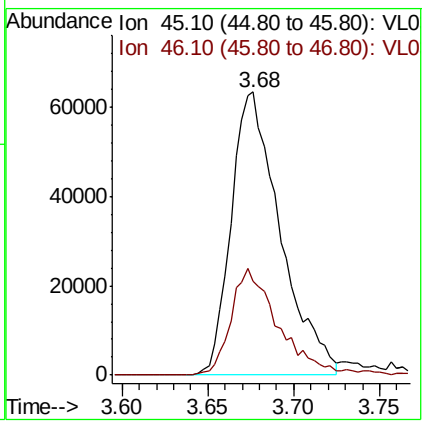
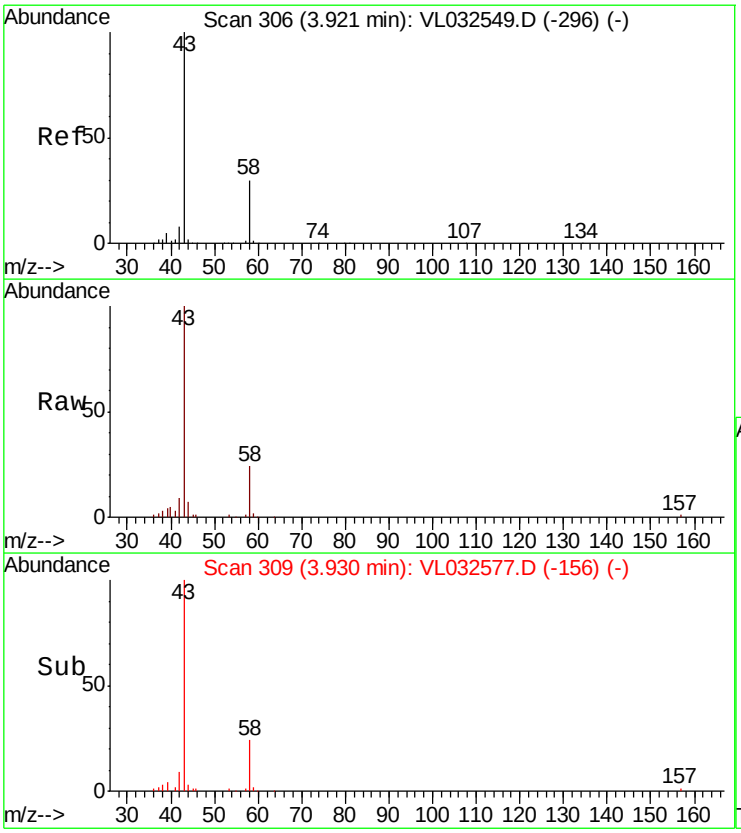
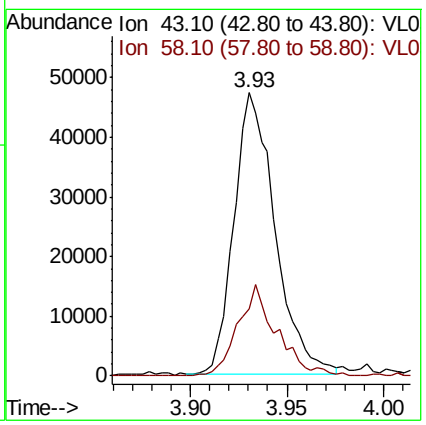


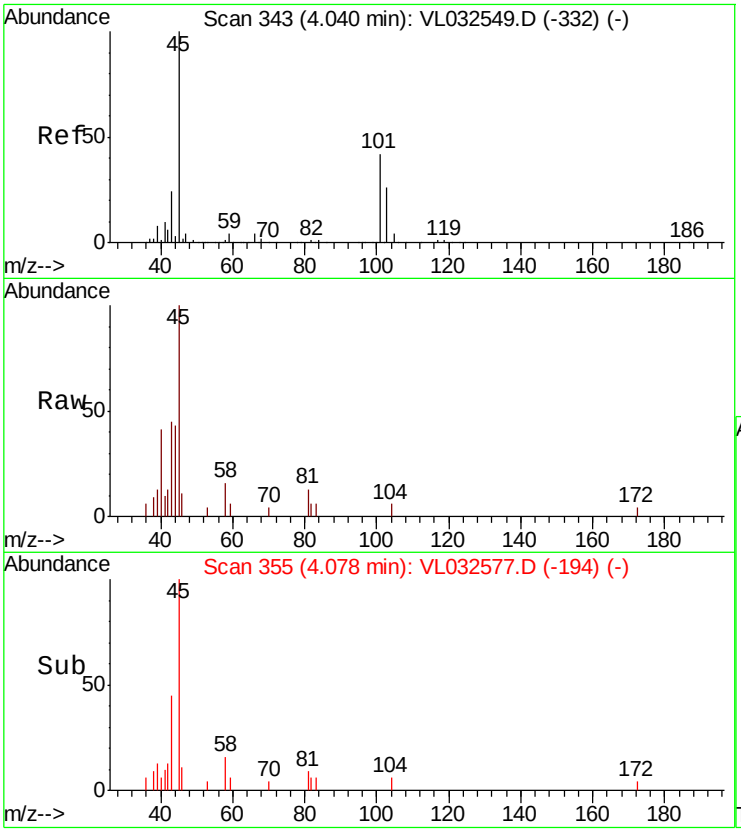


#15
Acetone
Concen: 0.625 ppbv
RT: 3.93 min Scan# 309
Delta R.T. -0.01 min
Lab File: VL032577.D
Acq: 28 Sep 2018 10:33

Tgt Ion: 43 Resp: 69942

Ion	Ratio	Lower	Upper
43	100		
58	30.5	22.6	33.8

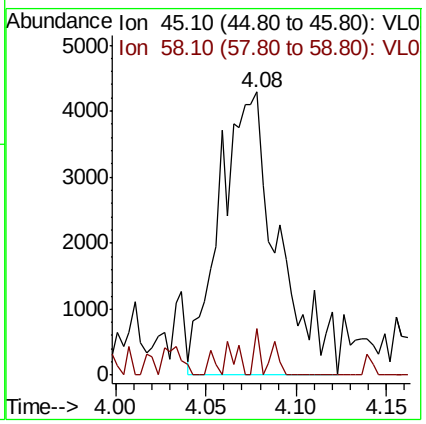




#19
Isopropyl Alcohol
Concen: 0.124 ppbv m
RT: 4.08 min Scan# 355
Delta R.T. 0.02 min
Lab File: VL032577.D
Acq: 28 Sep 2018 10:33

Tgt Ion: 45 Resp: 9641

Ion	Ratio	Lower	Upper
45	100		
58	6.7	2.0	3.0#



Instrument :
MSVOA_L
ClientSampleId :
CSS-1

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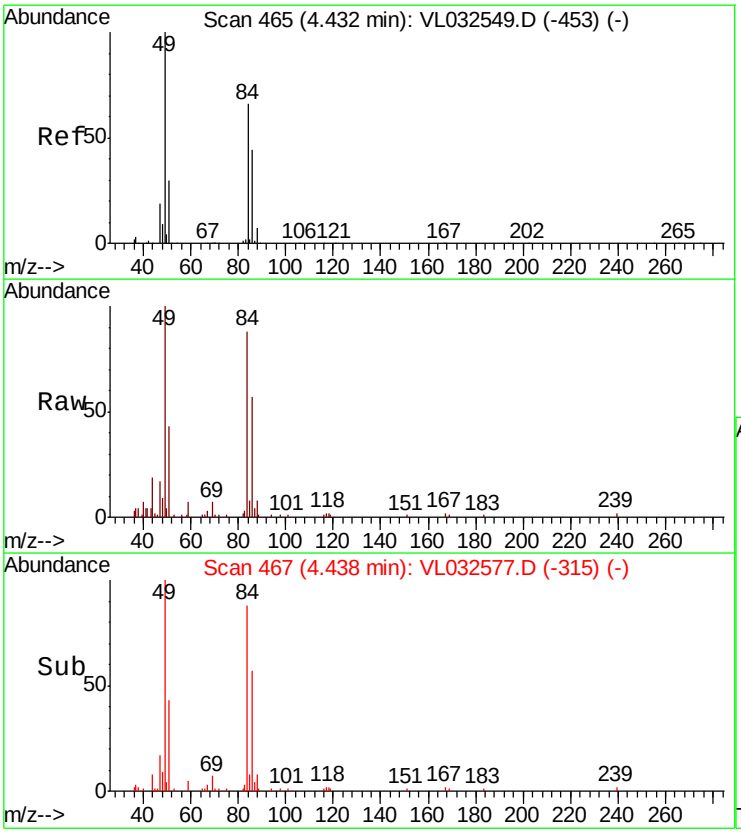
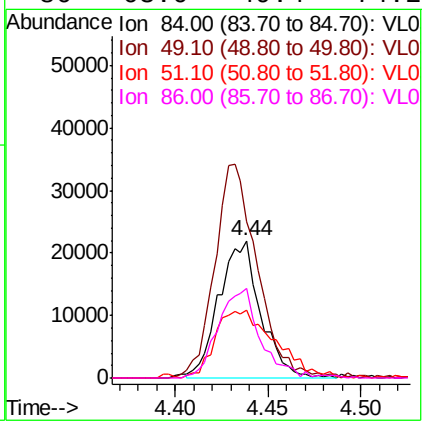
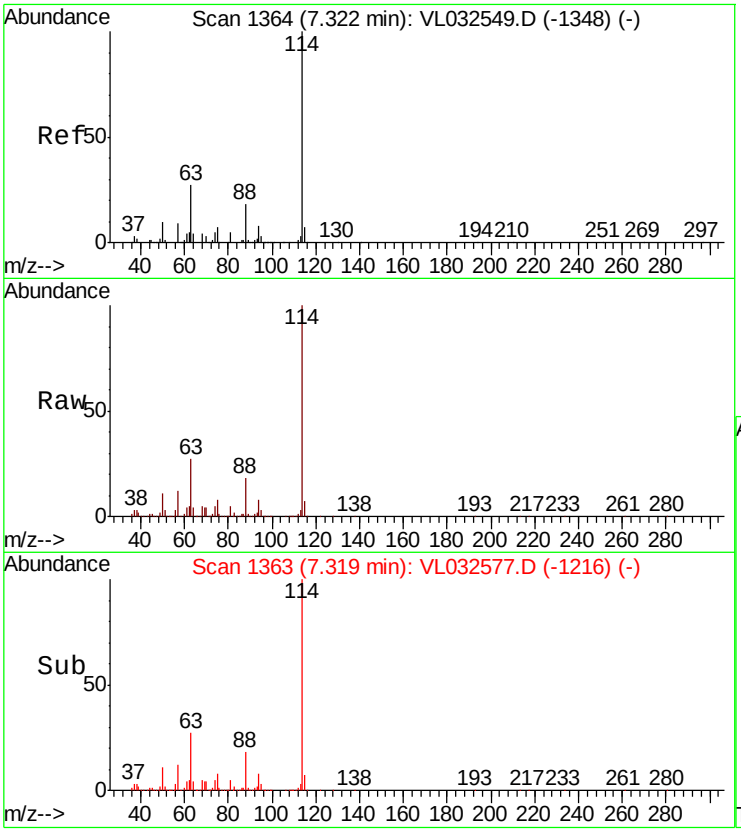


#20
Methylene Chloride
Concen: 0.631 ppbv
RT: 4.44 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL032577.D
Acq: 28 Sep 2018 10:33

Tgt Ion: 84 Resp: 34161

Ion	Ratio	Lower	Upper
84	100		
49	110.7	119.1	178.7#
51	48.1	35.2	52.8
86	63.0	49.4	74.2

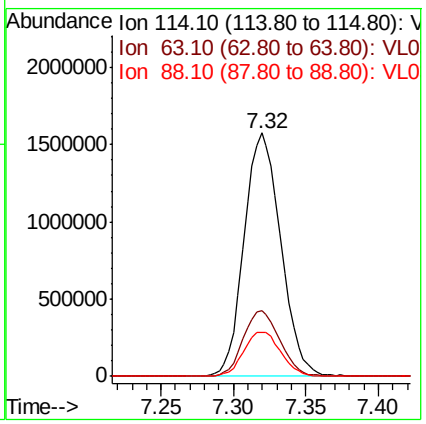




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.03 min
Lab File: VL032577.D
Acq: 28 Sep 2018 10:33

Tgt Ion:114 Resp: 2780468

Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.4
88	18.6	15.0	22.4



Instrument :
MSVOA_L
ClientSampleId :
CSS-1

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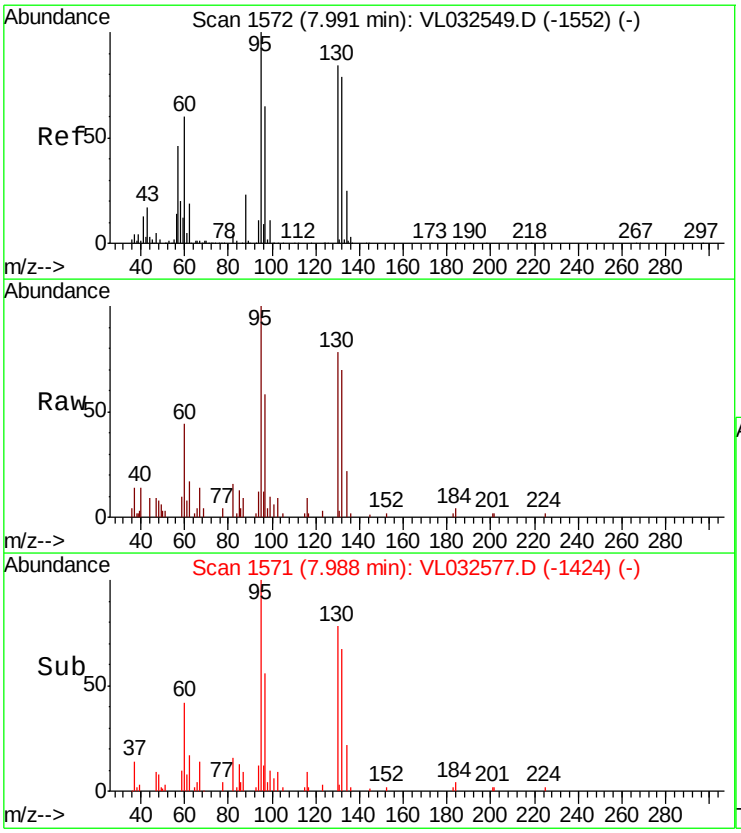
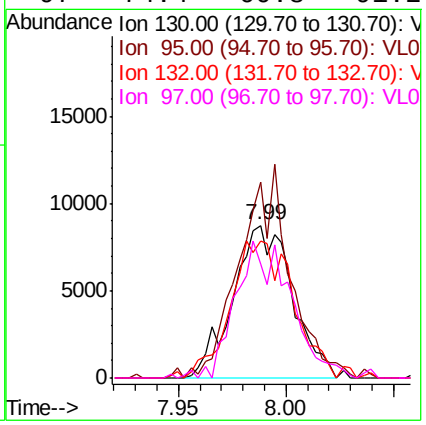
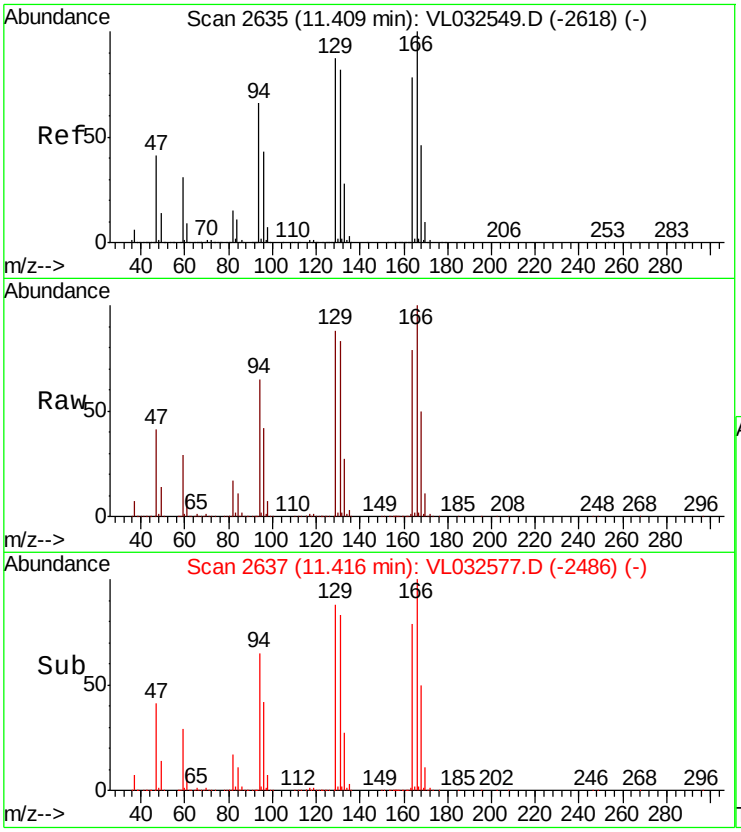


#38
Trichloroethene
Concen: 0.195 ppbv m
RT: 7.99 min Scan# 1571
Delta R.T. -0.03 min
Lab File: VL032577.D
Acq: 28 Sep 2018 10:33

Tgt Ion:130 Resp: 16752

Ion	Ratio	Lower	Upper
130	100		
95	128.5	94.2	141.4
132	90.2	76.2	114.4
97	74.4	60.8	91.2

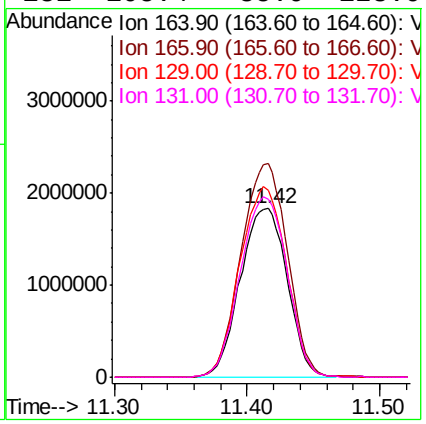




#52
Tetrachloroethene
Concen: 57.566 ppbv
RT: 11.42 min Scan# 2637
Delta R.T. -0.01 min
Lab File: VL032577.D
Acq: 28 Sep 2018 10:33

Tgt Ion:164 Resp: 4503844

Ion	Ratio	Lower	Upper
164	100		
166	126.4	100.6	150.8
129	110.8	89.9	134.9
131	105.4	85.9	128.9



Instrument :
MSVOA_L
ClientSampleId :
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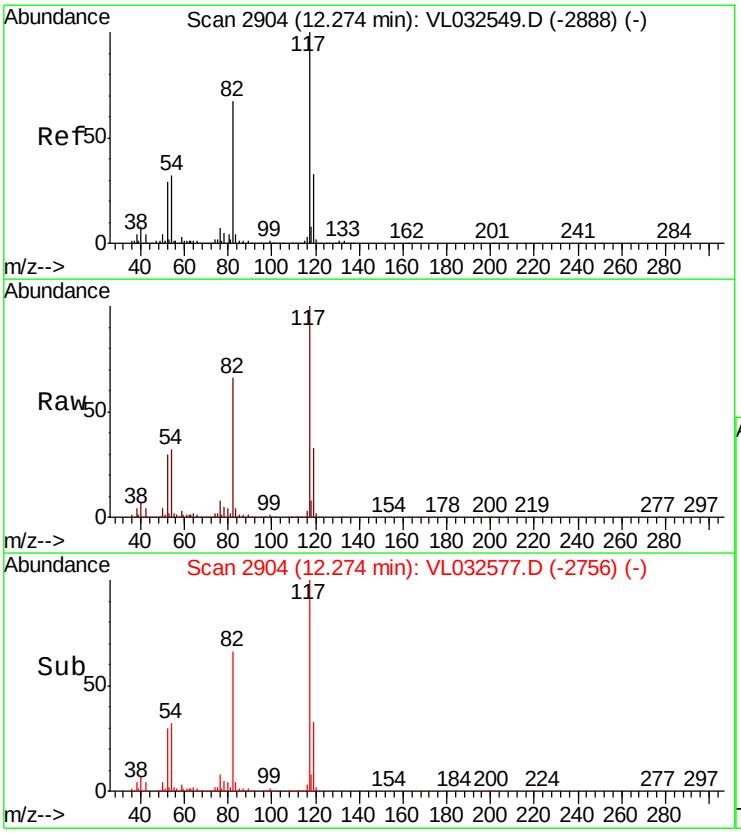
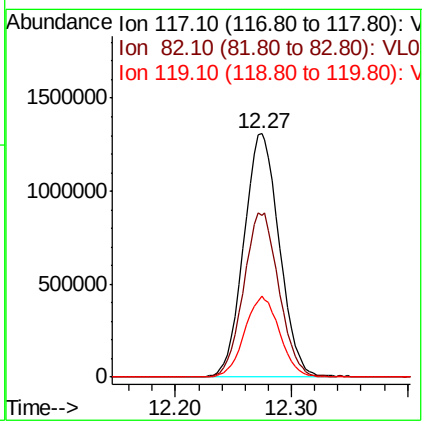
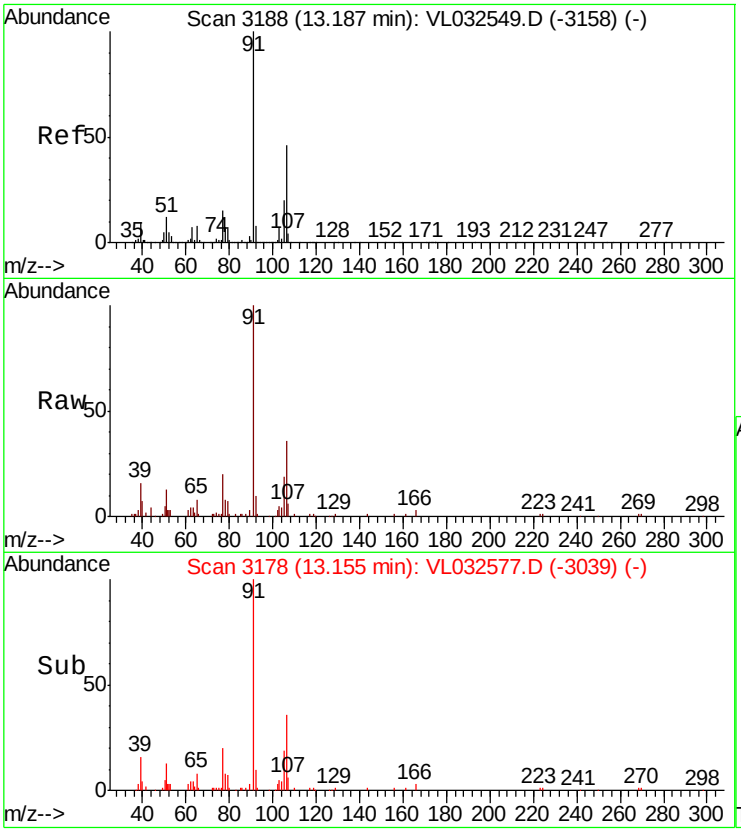


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032577.D
Acq: 28 Sep 2018 10:33

Tgt Ion:117 Resp: 2791718

Ion	Ratio	Lower	Upper
117	100		
82	67.8	53.0	79.6
119	32.7	45.9	68.9#





#59
m/p-Xylene
Concen: 0.345 ppbv m
RT: 13.16 min Scan# 3178
Delta R.T. -0.05 min
Lab File: VL032577.D
Acq: 28 Sep 2018 10:33

Tgt Ion: 91 Resp: 103907

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.6	55.0#

Instrument :
MSVOA_L
ClientSampleId :
CSS-1

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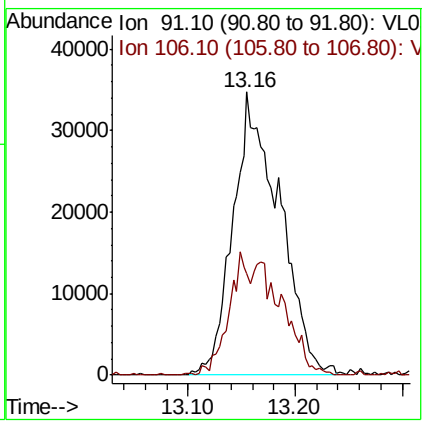

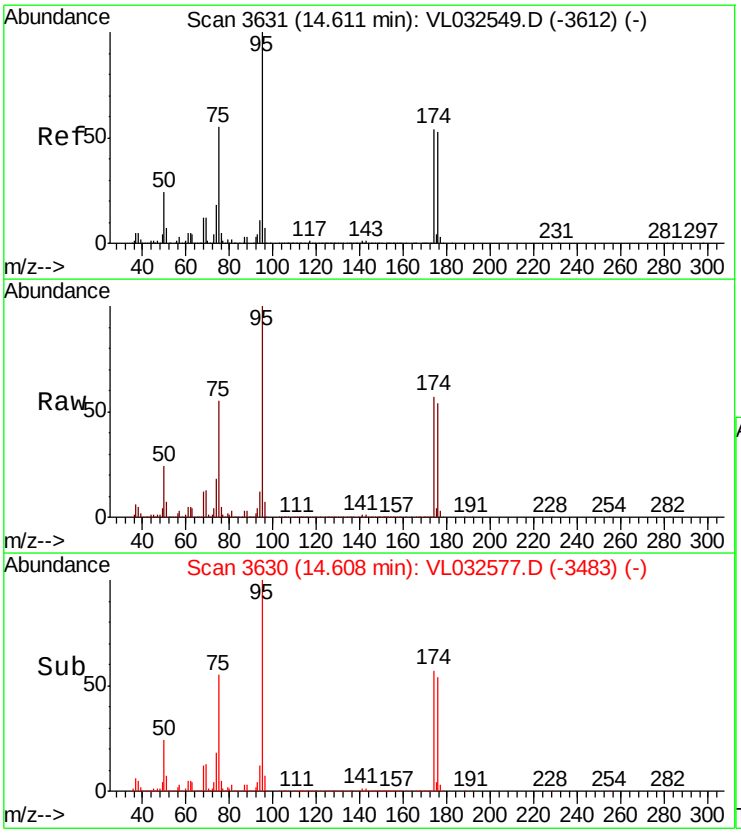

#68
1-Bromo-4-Fluorobenzene
Concen: 10.160 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032577.D
Acq: 28 Sep 2018 10:33

Tgt Ion: 95 Resp: 2138978

Ion	Ratio	Lower	Upper
95	100		
174	58.1	46.3	69.5
175	4.1	3.4	5.0