Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
Data File : VL032537.D
Acq On : 25 Sep 2018 9:35
Operator : SY/AP
Sample : J5034-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 12:28:50 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

Instrument : MSVOA_L
ClientSampleId : SSDS-INF-092018DL

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1546465	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3307456	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3289675	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2517270	10.15	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.50%			
Target Compounds						Qvalue
9) Propene	3.07	41	44387m	0.795	ppbv	
11) Trichlorofluoromethane	4.03	101	20973	0.123	ppbv	89
13) Ethanol	3.67	45	266756	15.905	ppbv	97
15) Acetone	3.92	43	1484457	10.936	ppbv	99
17) tert-Butyl alcohol	4.39	59	10006m	0.587	ppbv	
19) Isopropyl Alcohol	4.06	45	36534m	0.386	ppbv	
20) Methylene Chloride	4.43	84	40348m	0.614	ppbv	
26) Hexane	5.80	57	95842m	0.644	ppbv	
29) Chloroform	5.87	83	46060	0.202	ppbv	99
34) 2-Butanone	5.36	43	49486	0.251	ppbv	97
38) Trichloroethene	7.99	130	10892m	0.106	ppbv	
53) Toluene	9.98	91	91469	0.281	ppbv	98

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

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MSVOA_L
ClientSampleId :
SSDS-INF-092018DL

Manual Integrations APPROVED
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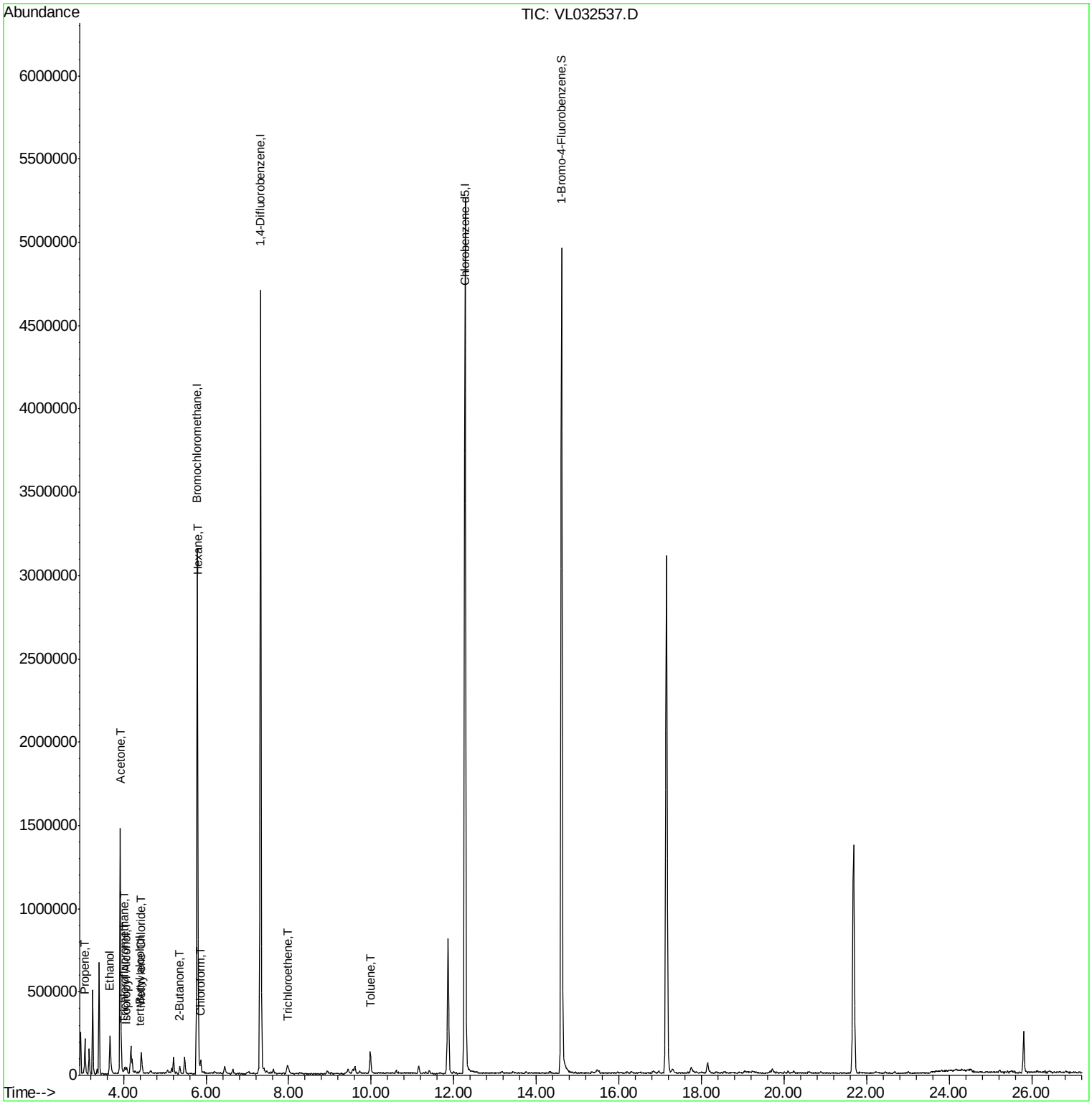
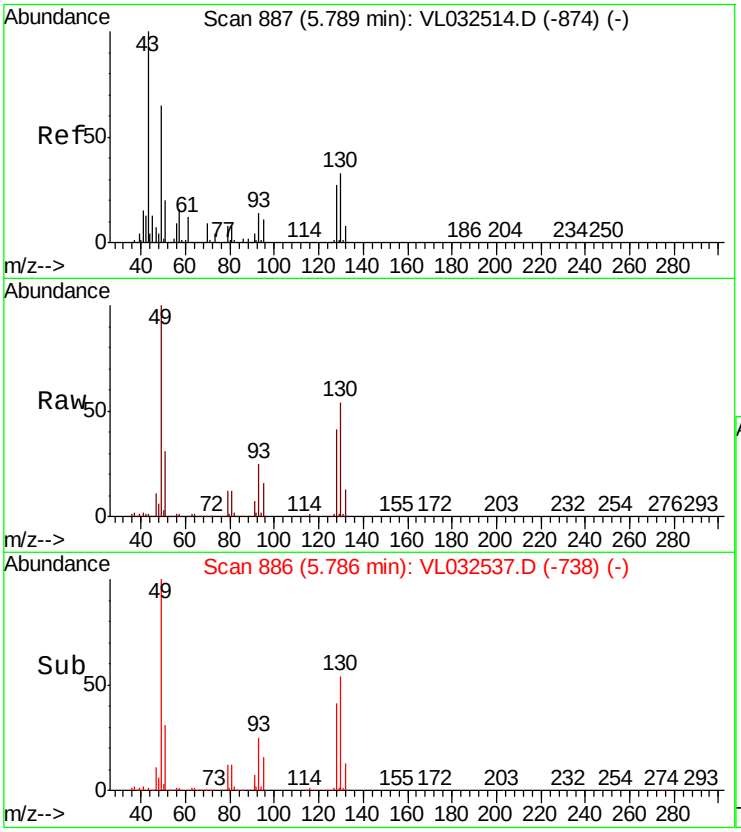
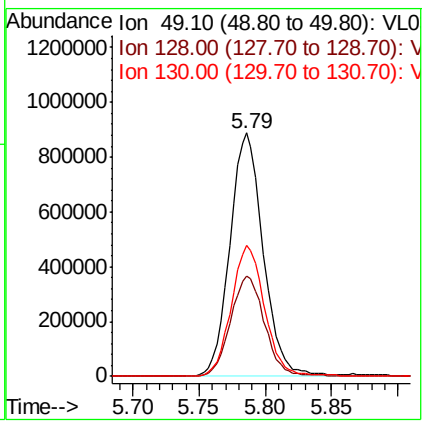




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.02 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion: 49 Resp: 1546465

Ion	Ratio	Lower	Upper
49	100		
128	42.5	20.7	62.1
130	54.4	26.6	79.7



Instrument :
MSVOA_L
ClientSampleId :
SSDS-INF-092018DL

Manual Integrations APPROVED
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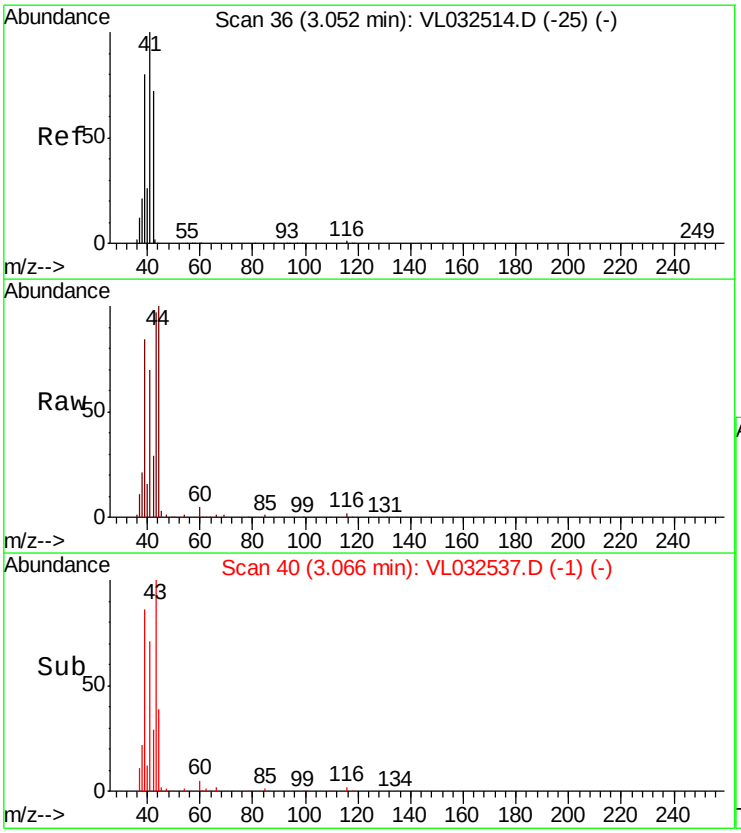
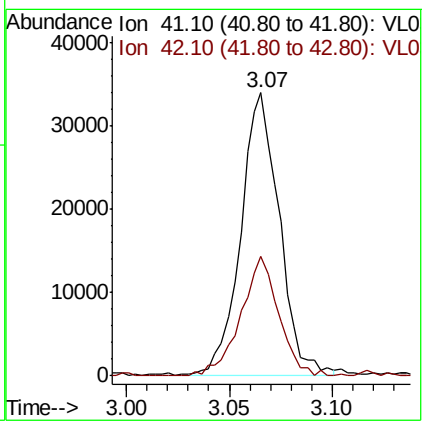
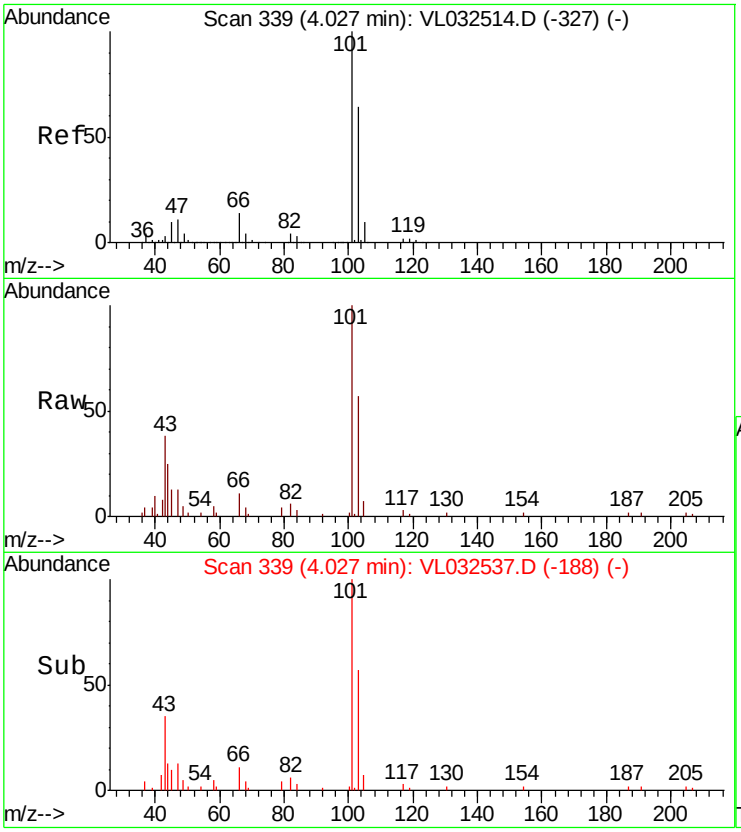


#9
Propene
Concen: 0.795 ppbv m
RT: 3.07 min Scan# 40
Delta R.T. -0.00 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion: 41 Resp: 44387

Ion	Ratio	Lower	Upper
41	100		
42	207.2	56.6	84.8#

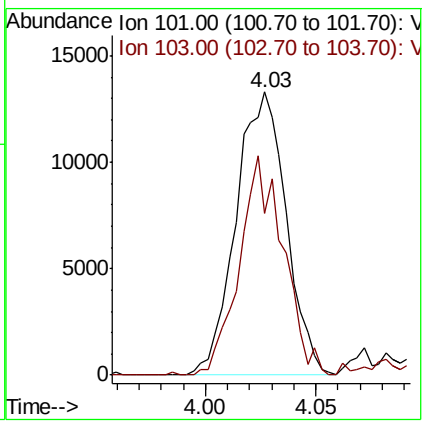




#11
Trichlorofluoromethane
Concen: 0.123 ppbv
RT: 4.03 min Scan# 339
Delta R.T. -0.01 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion:101 Resp: 20973

Ion	Ratio	Lower	Upper
101	100		
103	57.2	52.8	79.2



Instrument :
MSVOA_L
ClientSampleId :
SSDS-INF-092018DL

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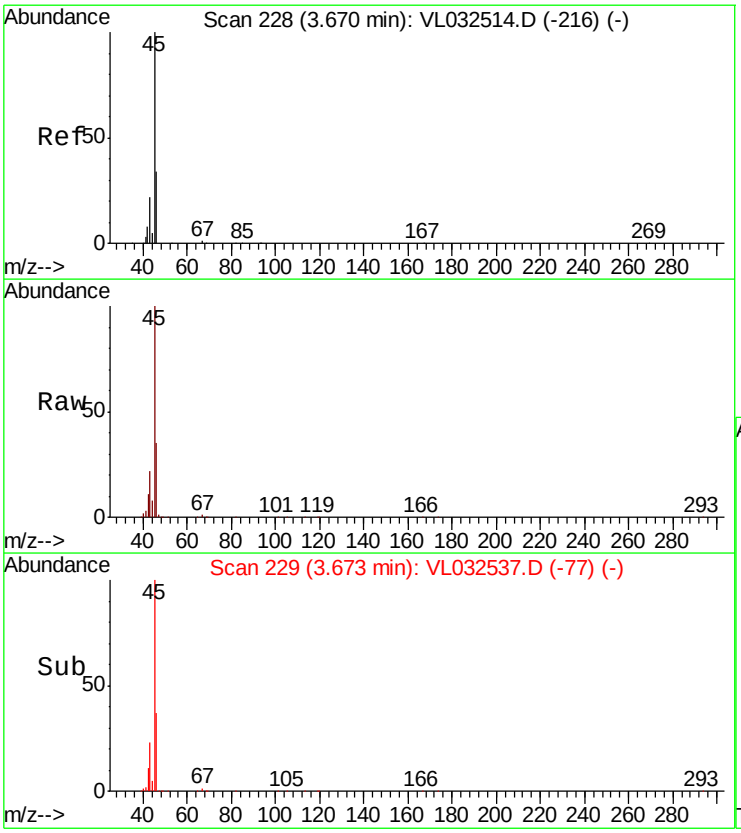
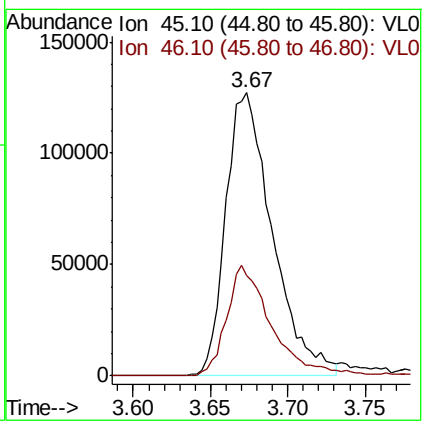
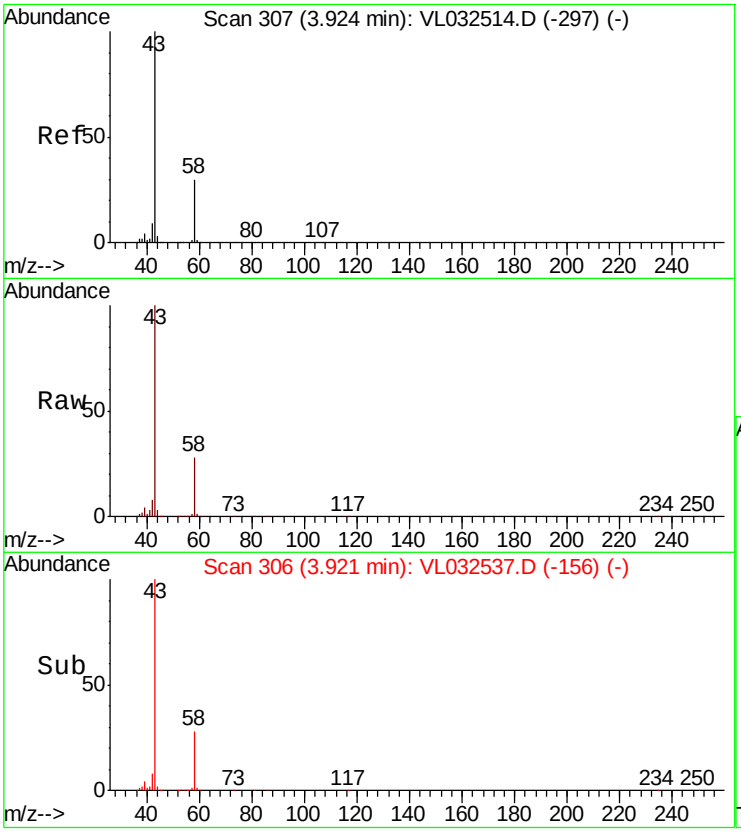


#13
Ethanol
Concen: 15.905 ppbv
RT: 3.67 min Scan# 229
Delta R.T. -0.01 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion: 45 Resp: 266756

Ion	Ratio	Lower	Upper
45	100		
46	37.3	14.2	56.8

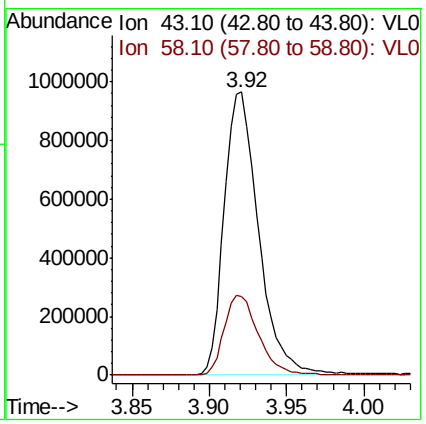




#15
Acetone
Concen: 10.936 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion: 43 Resp: 1484457

Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.6	33.8



Instrument :
MSVOA_L
ClientSampleId :
SSDS-INF-092018DL

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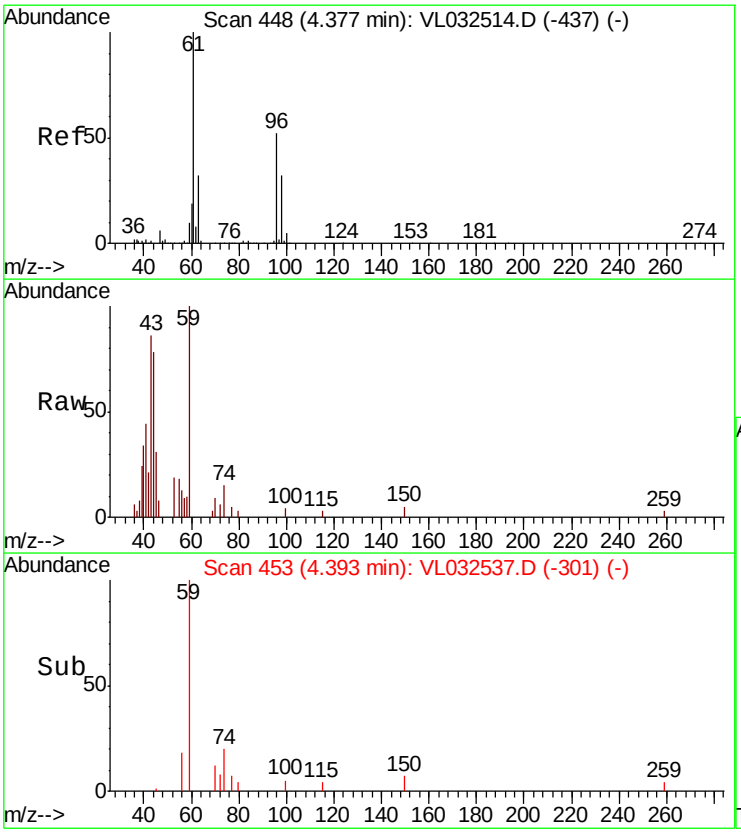
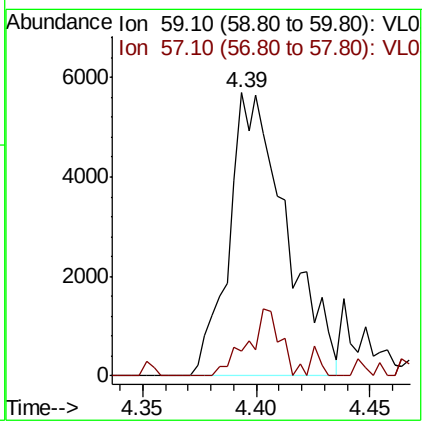
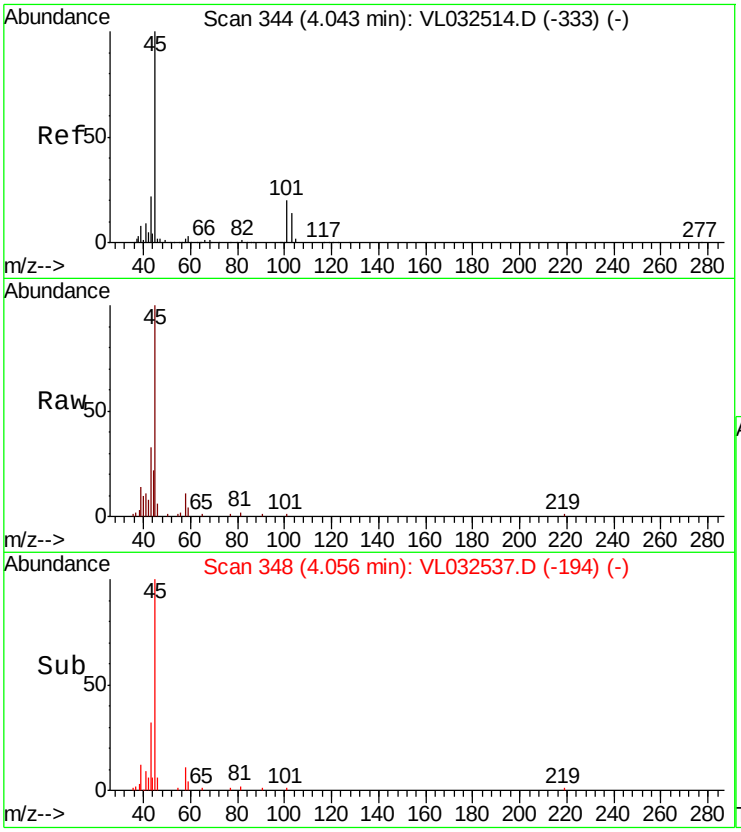


#17
tert-Butyl alcohol
Concen: 0.587 ppbv m
RT: 4.39 min Scan# 453
Delta R.T. -0.01 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion: 59 Resp: 10006

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0





#19
Isopropyl Alcohol
Concen: 0.386 ppbv m
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion: 45 Resp: 36534

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#

Instrument :
MSVOA_L
ClientSampleId :
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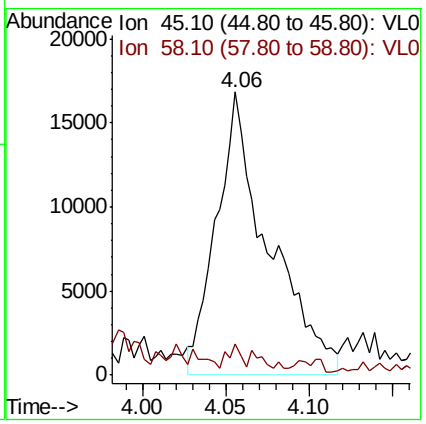
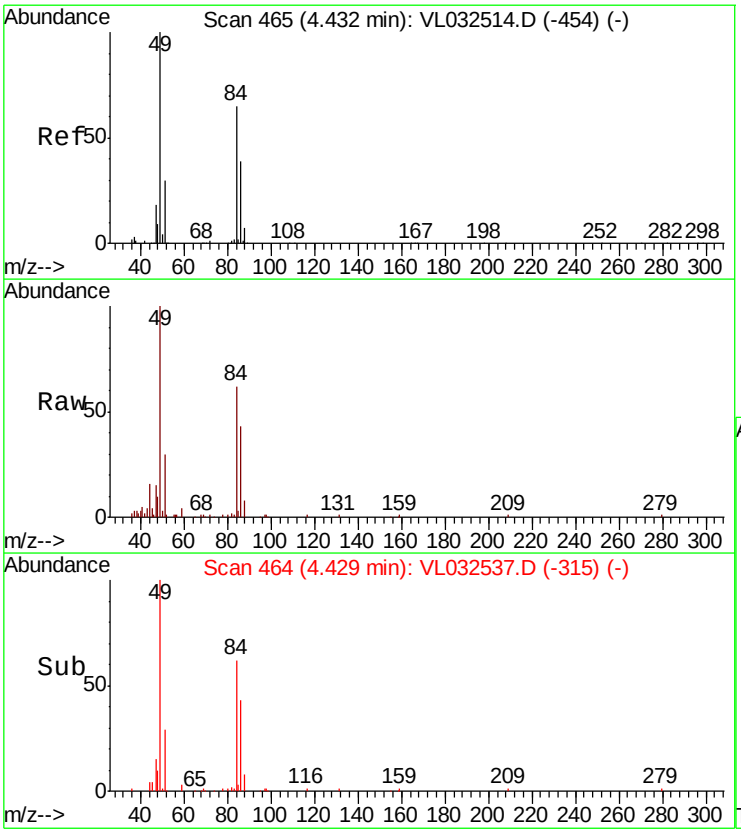
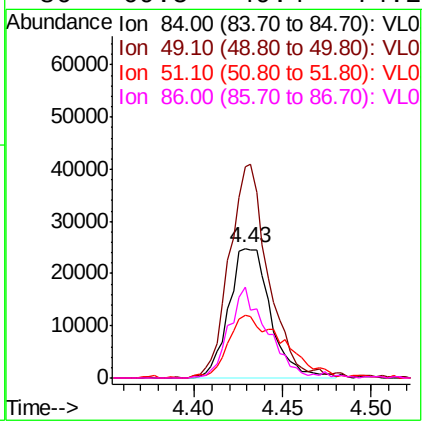


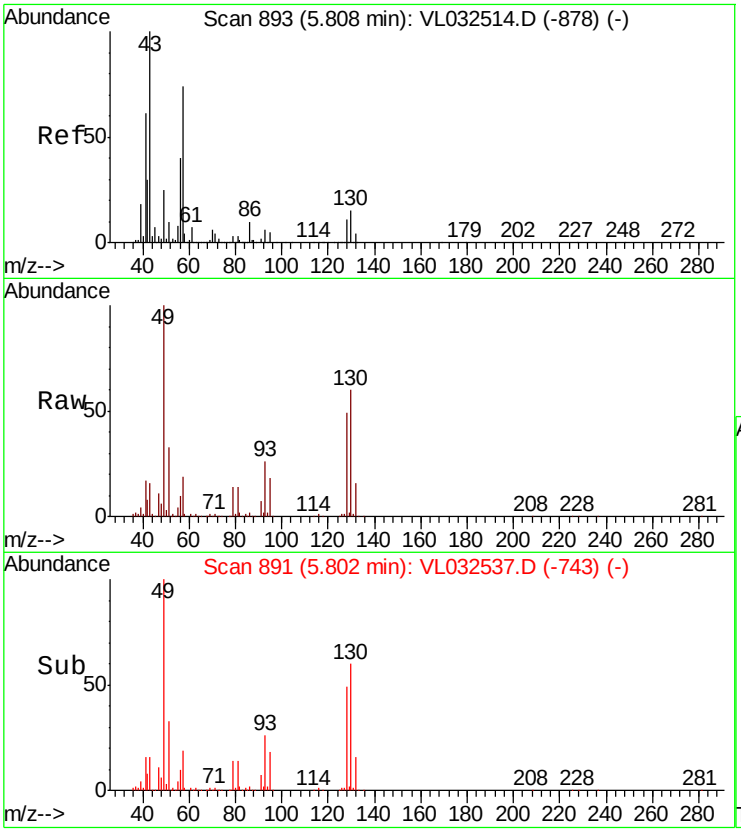


#20
Methylene Chloride
Concen: 0.614 ppbv m
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion: 84 Resp: 40348

Ion	Ratio	Lower	Upper
84	100		
49	162.5	119.1	178.7
51	48.1	35.2	52.8
86	69.5	49.4	74.2

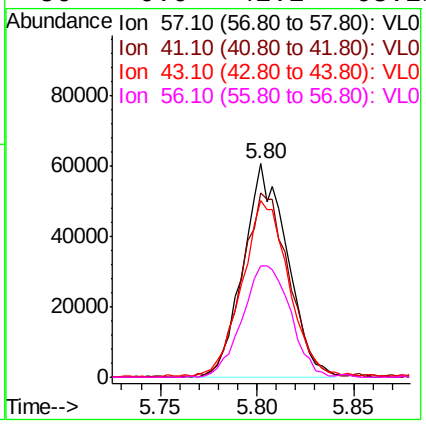




#26
Hexane
Concen: 0.644 ppbv m
RT: 5.80 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion: 57 Resp: 95842

Ion	Ratio	Lower	Upper
57	100		
41	93.9	69.0	103.4
43	90.0	172.1	258.1#
56	0.0	42.2	63.2#



Instrument :
MSVOA_L
ClientSampleId :
SSDS-INF-092018DL

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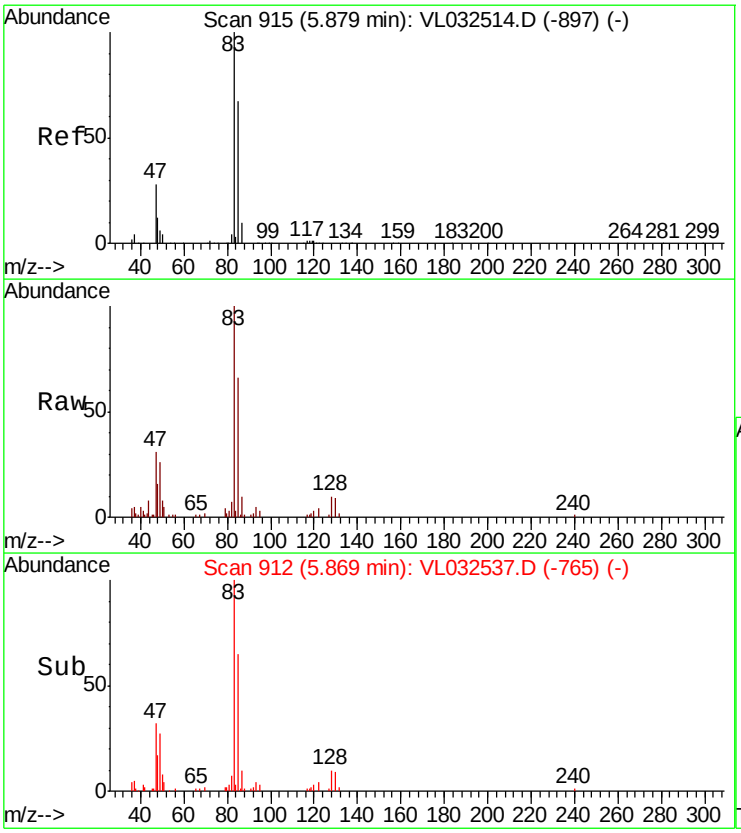
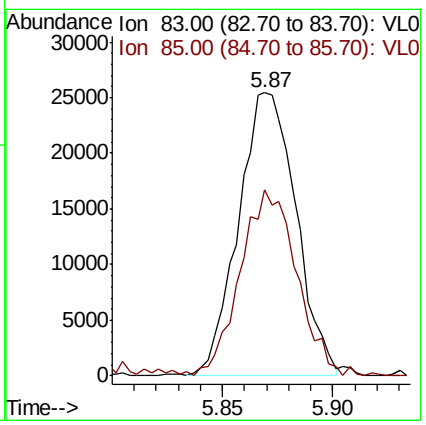
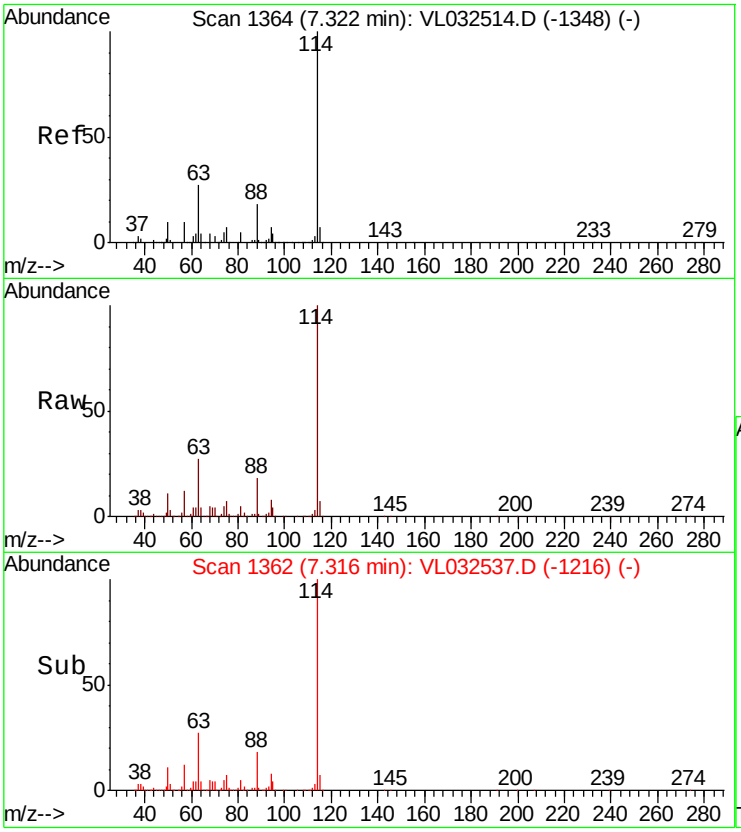


#29
Chloroform
Concen: 0.202 ppbv
RT: 5.87 min Scan# 912
Delta R.T. -0.03 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion: 83 Resp: 46060

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7

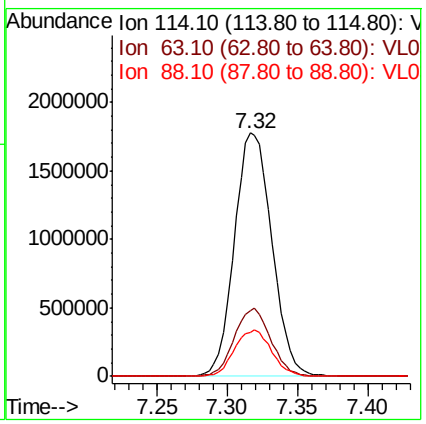




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion:114 Resp: 3307456

Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.2	33.4
88	18.8	15.0	22.4



Instrument :
MSVOA_L
ClientSampleId :
SSDS-INF-092018DL

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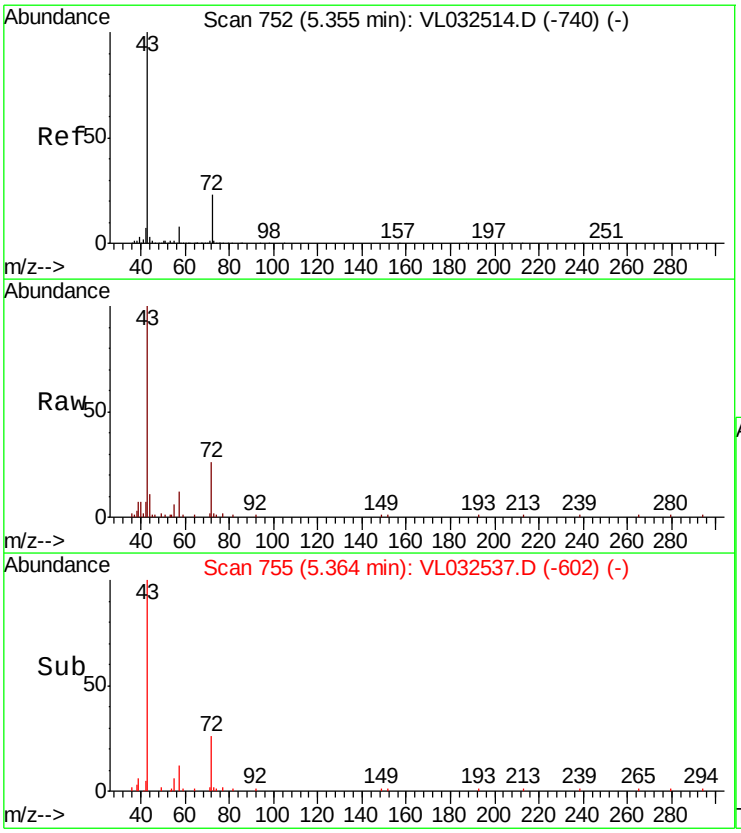
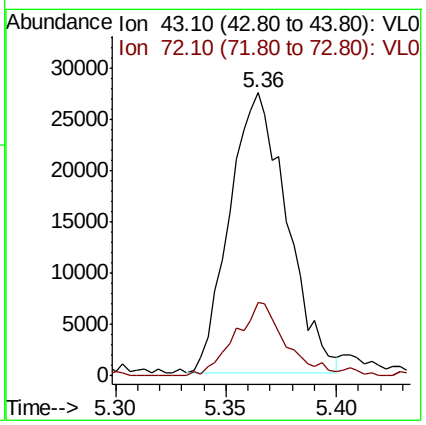
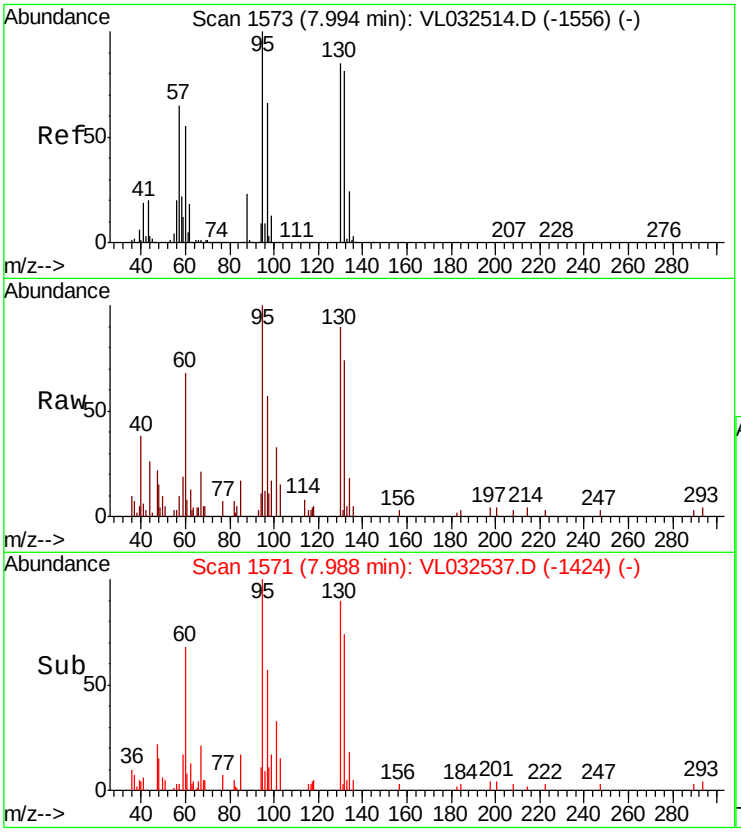


#34
2-Butanone
Concen: 0.251 ppbv
RT: 5.36 min Scan# 755
Delta R.T. -0.01 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion: 43 Resp: 49486

Ion	Ratio	Lower	Upper
43	100		
72	23.8	17.8	26.6

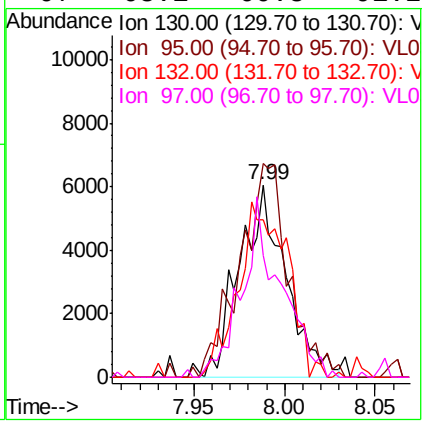




#38
Trichloroethene
Concen: 0.106 ppbv m
RT: 7.99 min Scan# 1571
Delta R.T. -0.03 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion:130 Resp: 10892

Ion	Ratio	Lower	Upper
130	100		
95	111.2	94.2	141.4
132	82.2	76.2	114.4
97	63.1	60.8	91.2



Instrument :
MSVOA_L
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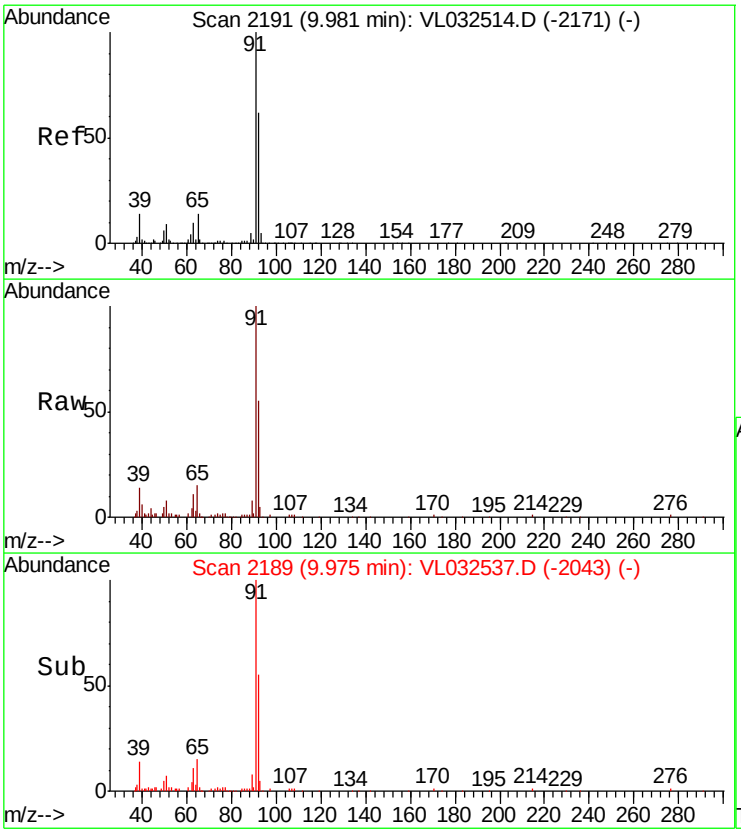
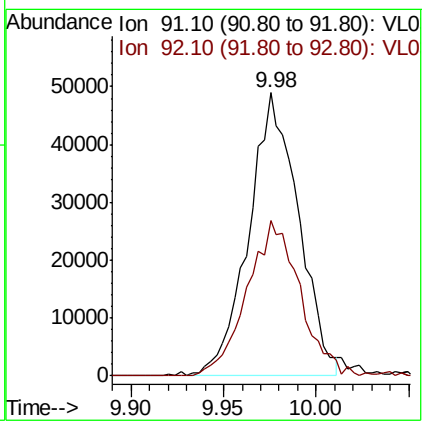
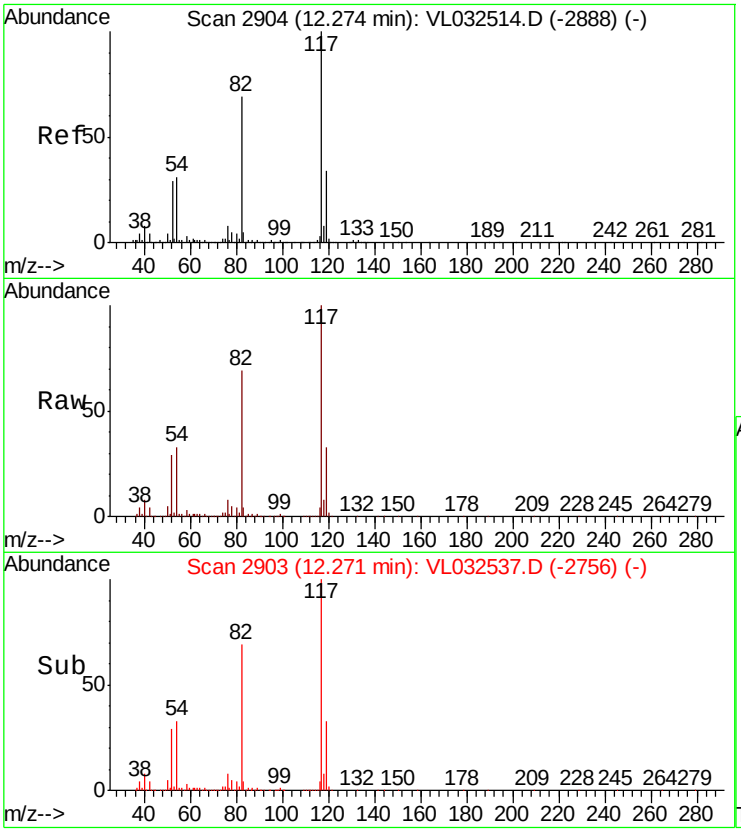


#53
Toluene
Concen: 0.281 ppbv
RT: 9.98 min Scan# 2189
Delta R.T. -0.03 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion: 91 Resp: 91469

Ion	Ratio	Lower	Upper
91	100		
92	58.9	48.1	72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion:117 Resp: 3289675

Ion	Ratio	Lower	Upper
117	100		
82	68.2	53.0	79.6
119	32.9	45.9	68.9#

Instrument :
MSVOA_L
ClientSampleId :
SSDS-INF-092018DL

Manual Integrations APPROVED
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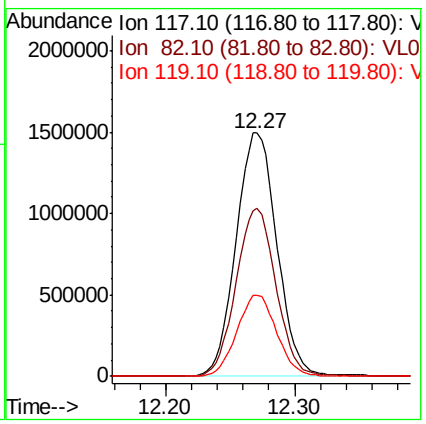

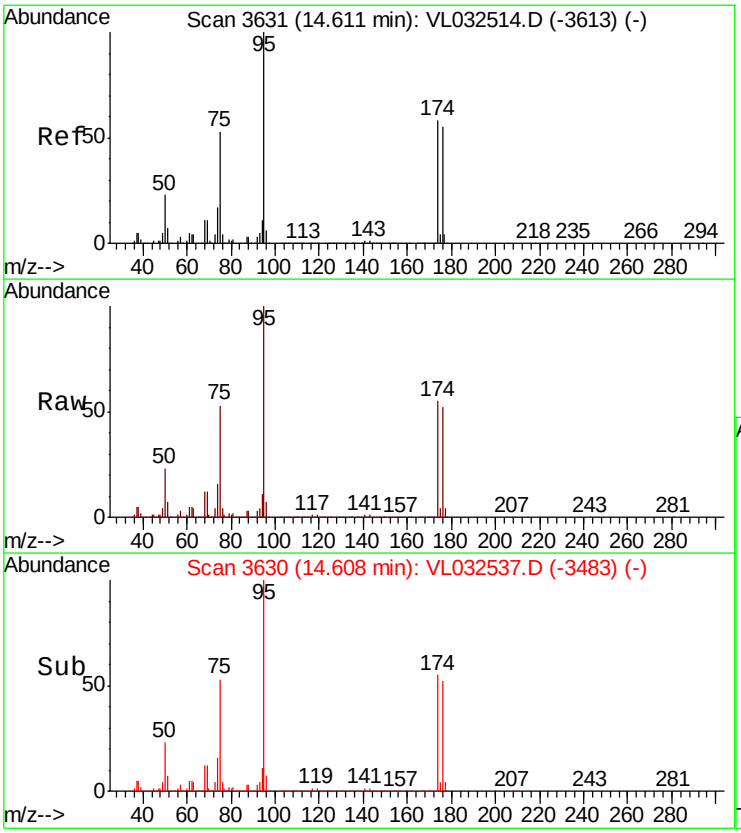

#68
1-Bromo-4-Fluorobenzene
Concen: 10.147 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032537.D
Acq: 25 Sep 2018 9:35

Tgt Ion: 95 Resp: 2517270

Ion	Ratio	Lower	Upper
95	100		
174	57.4	46.3	69.5
175	3.9	3.4	5.0