Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021419\
Data File : VL033208.D
Acq On : 14 Feb 2019 21:35
Operator : SY/AP
Sample : K1483-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 21 00:59:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019
QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	969734	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2179801	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	2168412	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1735451	10.27	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.70%			
Target Compounds						Qvalue
13) Ethanol	3.66	45	8691m	0.453	ppbv	
15) Acetone	3.92	43	46424	0.425	ppbv	91
20) Methylene Chloride	4.41	84	14360m	0.330	ppbv	
24) 1,1-Dichloroethane	5.09	63	40277	0.301	ppbv #	97
26) Hexane	5.78	57	12908m	0.112	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	37480m	0.193	ppbv	
59) m/p-Xylene	13.13	91	49865m	0.168	ppbv	

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

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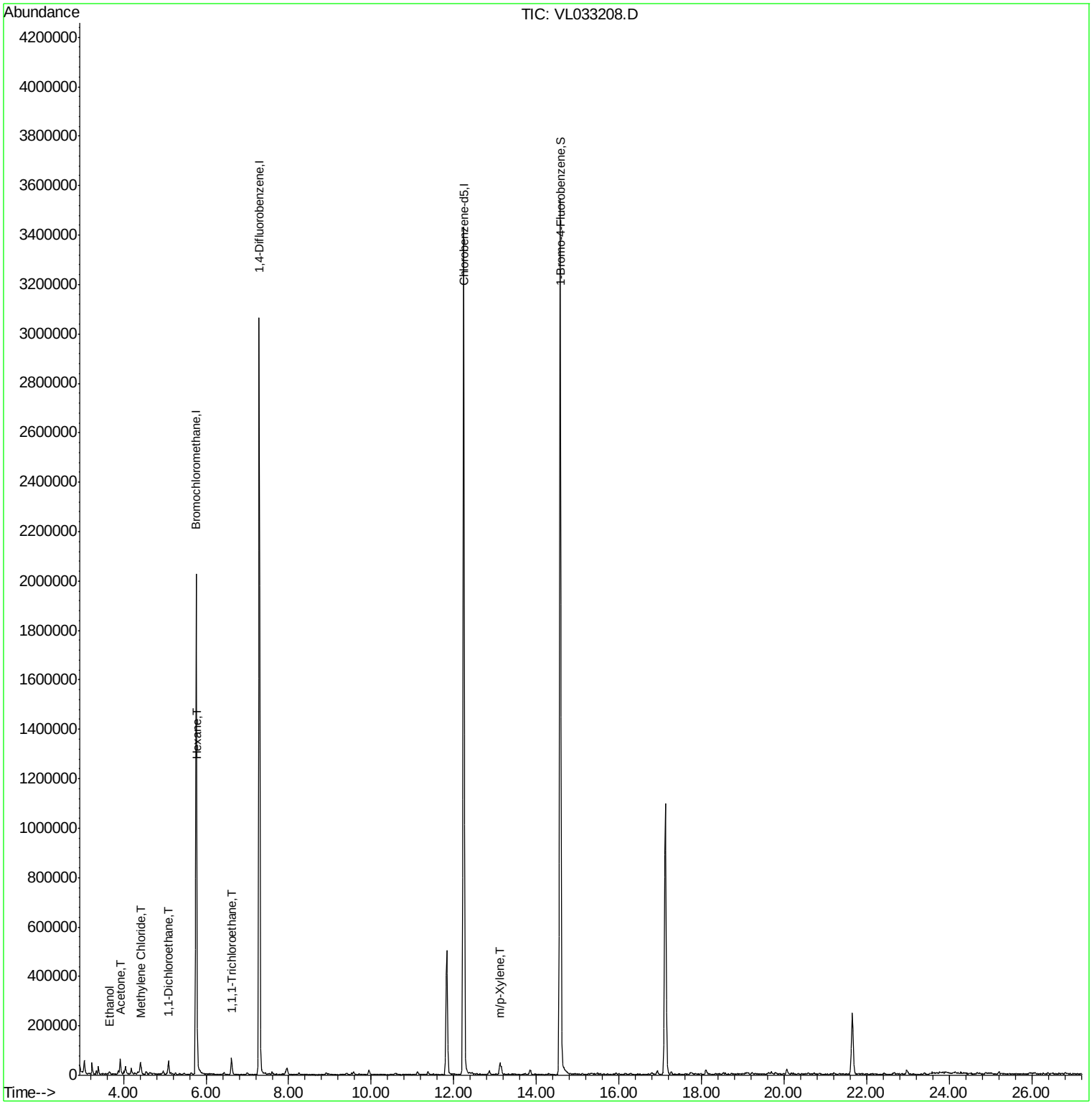
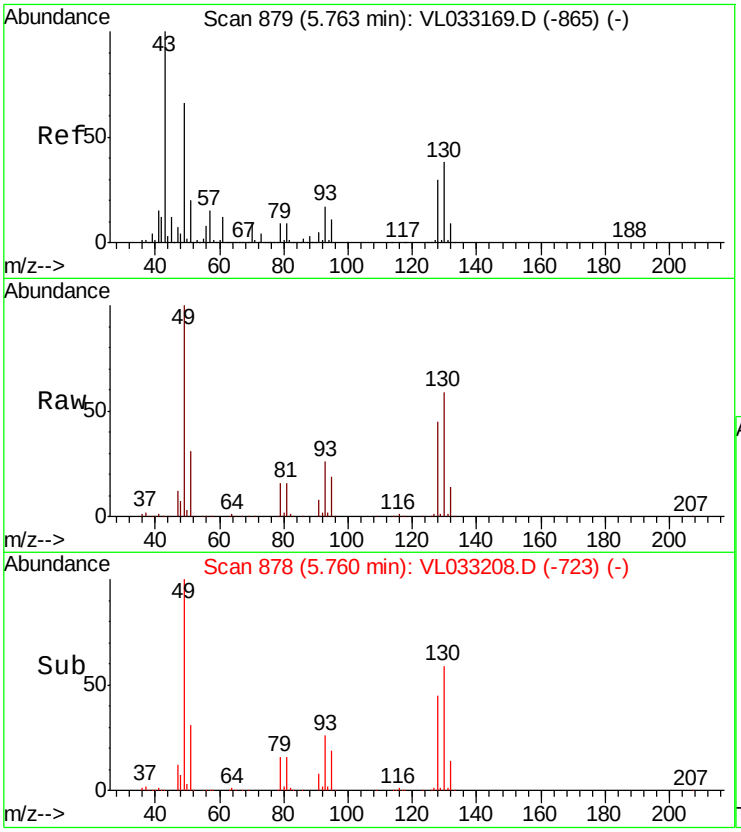
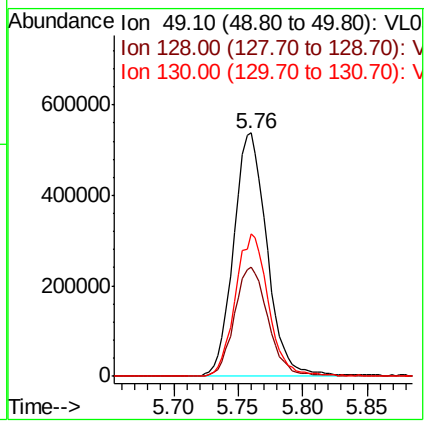


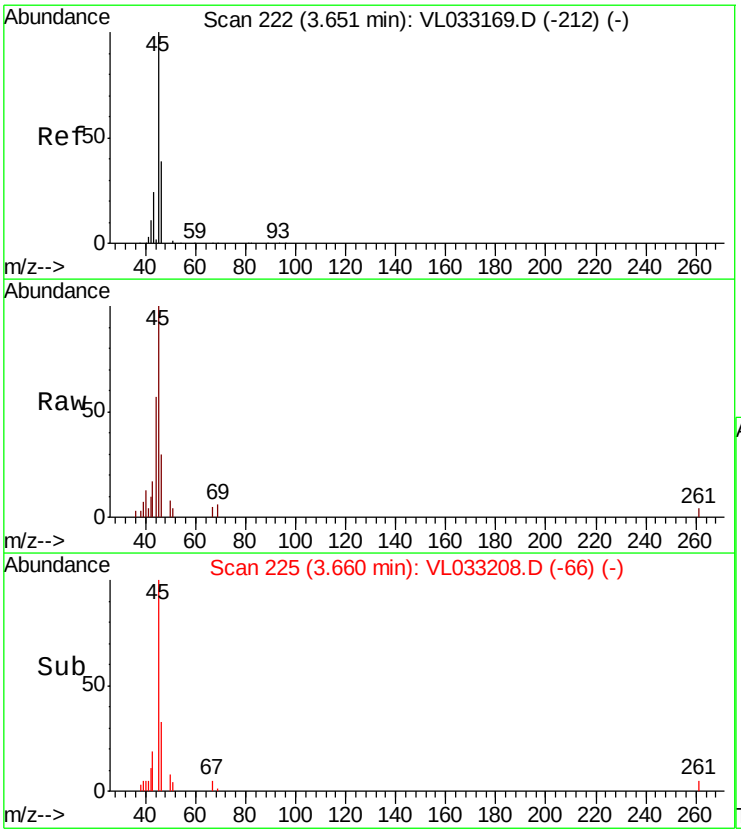


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033208.D
Acq: 14 Feb 2019 21:35

Tgt Ion: 49 Resp: 969734

Ion	Ratio	Lower	Upper
49	100		
128	45.6	23.6	71.0
130	58.4	30.3	91.0

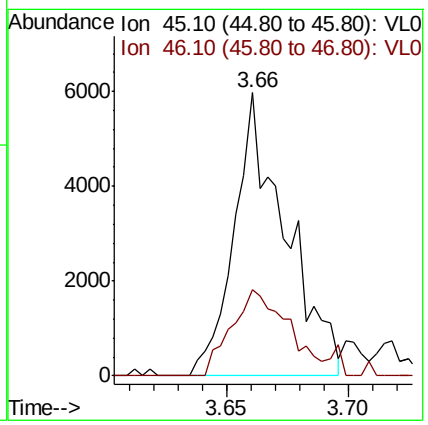


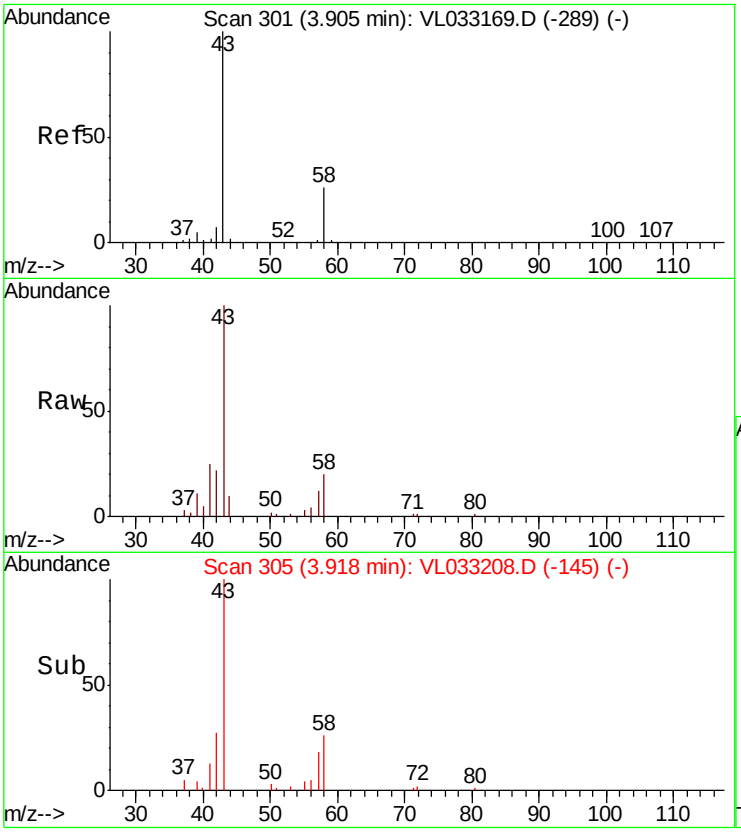


#13
Ethanol
Concen: 0.453 ppbv m
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033208.D
Acq: 14 Feb 2019 21:35

Tgt Ion: 45 Resp: 8691

Ion	Ratio	Lower	Upper
45	100		
46	36.6	15.0	60.2

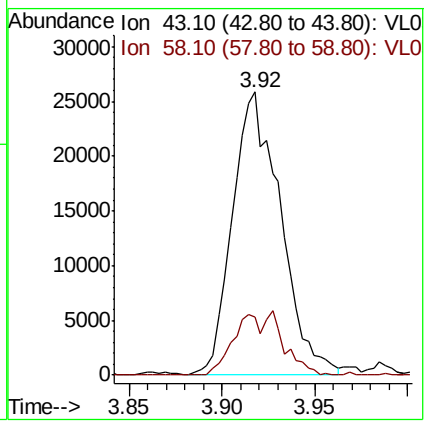


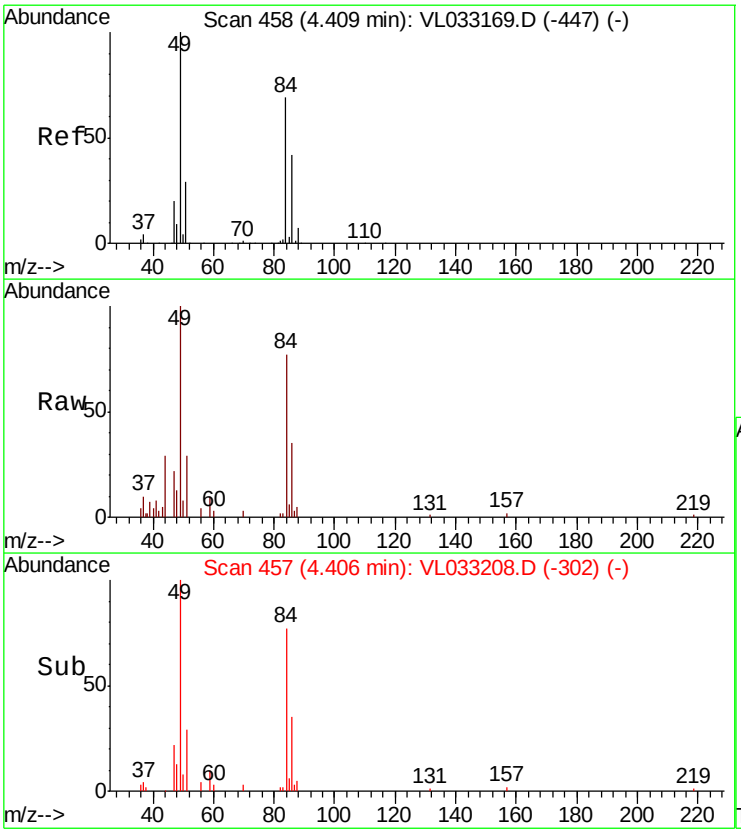


#15
Acetone
Concen: 0.425 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL033208.D
Acq: 14 Feb 2019 21:35

Tgt Ion: 43 Resp: 46424

Ion	Ratio	Lower	Upper
43	100		
58	22.0	21.1	31.7

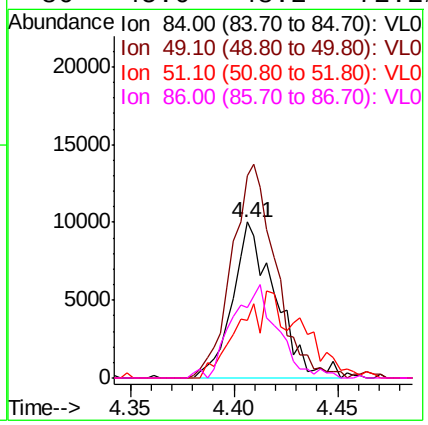


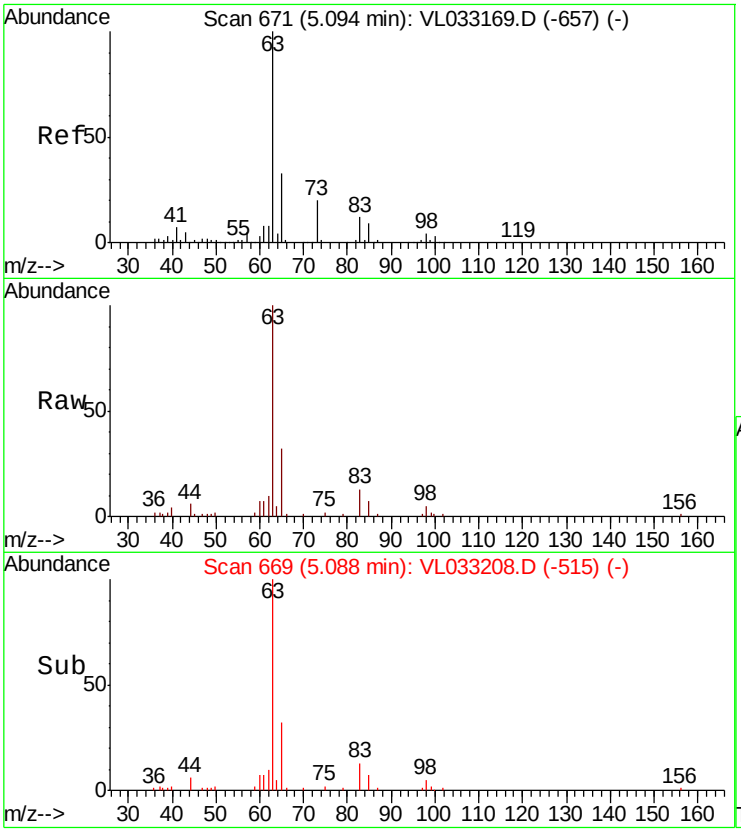


#20
Methylene Chloride
Concen: 0.330 ppbv m
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033208.D
Acq: 14 Feb 2019 21:35

Tgt Ion: 84 Resp: 14360

Ion	Ratio	Lower	Upper
84	100		
49	129.4	115.8	173.8
51	37.0	33.0	49.6
86	45.0	48.2	72.2#

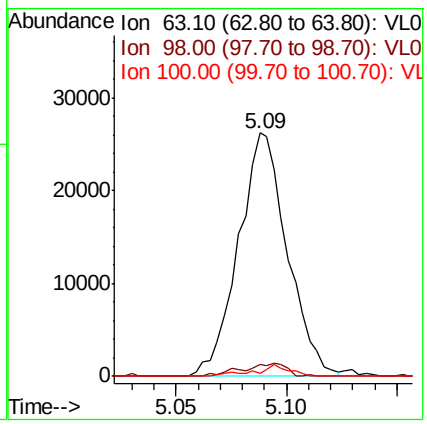


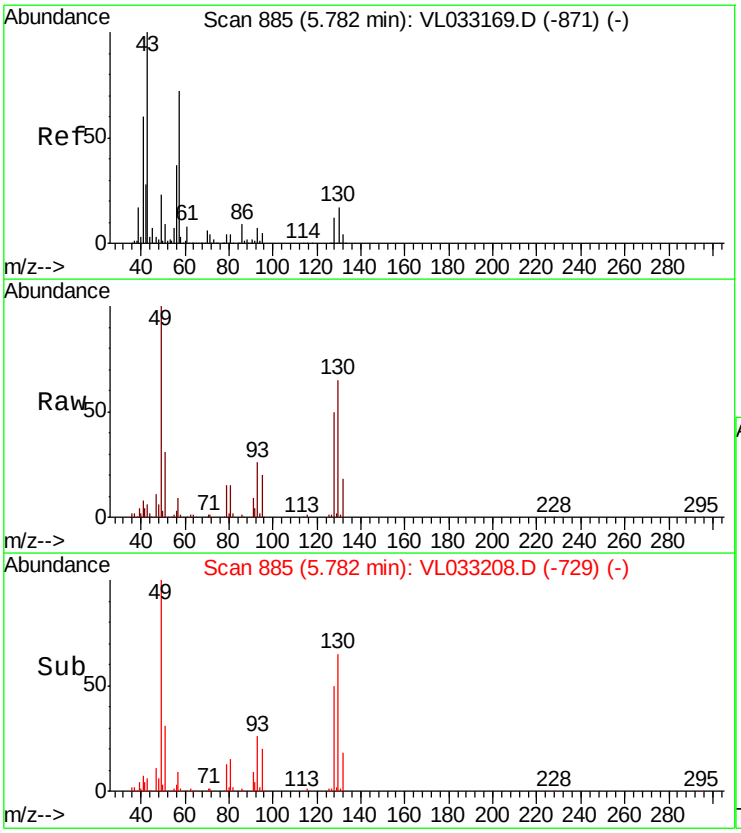


#24
1,1-Dichloroethane
Concen: 0.301 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.01 min
Lab File: VL033208.D
Acq: 14 Feb 2019 21:35

Tgt Ion: 63 Resp: 40277

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.5
100	1.1	1.4	4.2#

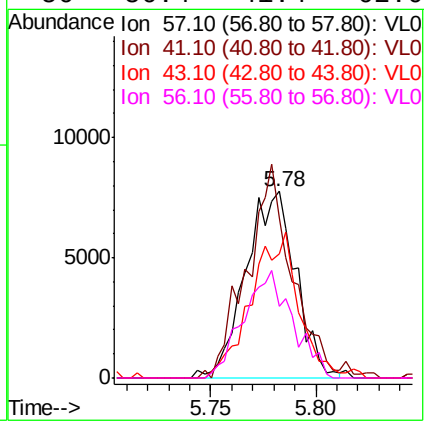


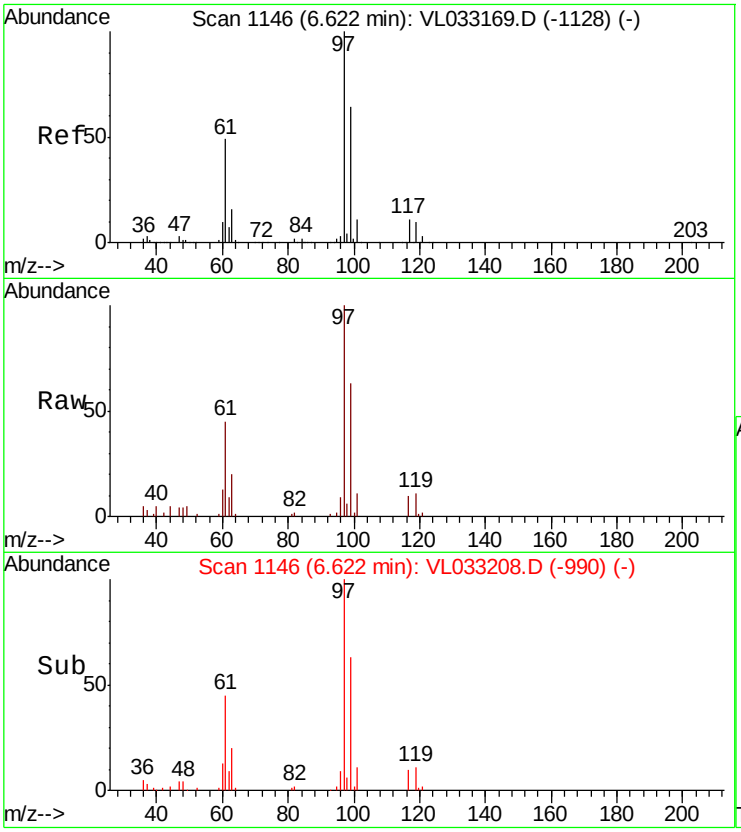


#26
Hexane
Concen: 0.112 ppbv m
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033208.D
Acq: 14 Feb 2019 21:35

Tgt Ion: 57 Resp: 12908

Ion	Ratio	Lower	Upper
57	100		
41	103.8	69.4	104.2
43	75.0	176.7	265.1#
56	56.4	41.4	62.0

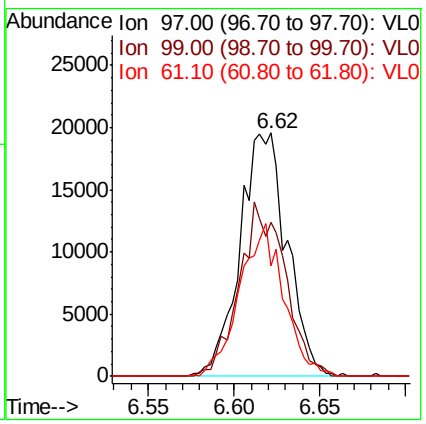


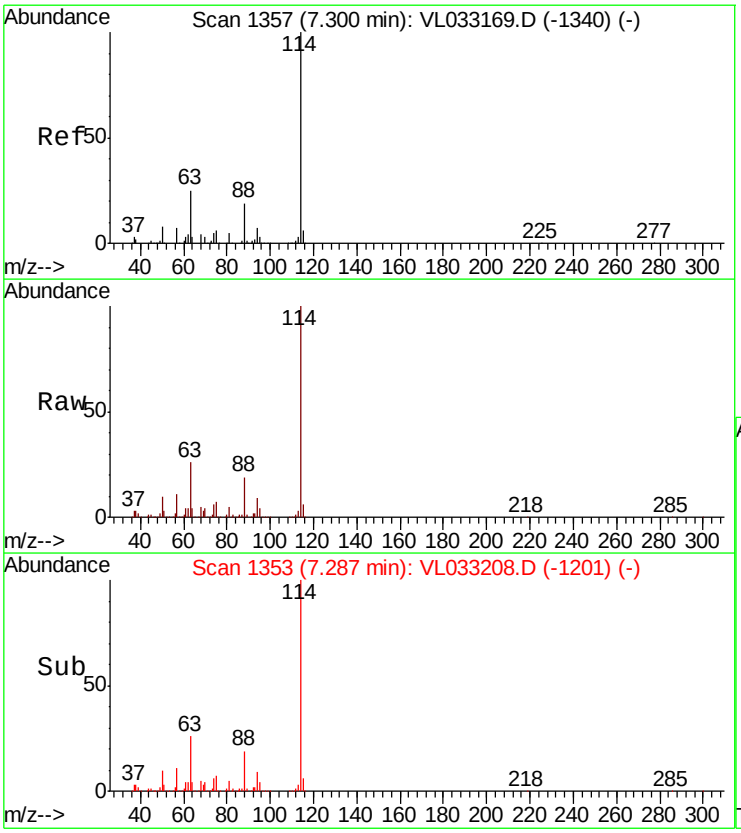


#32
1,1,1-Trichloroethane
Concen: 0.193 ppbv m
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033208.D
Acq: 14 Feb 2019 21:35

Tgt Ion: 97 Resp: 37480

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.2#
61	58.2	38.8	58.2

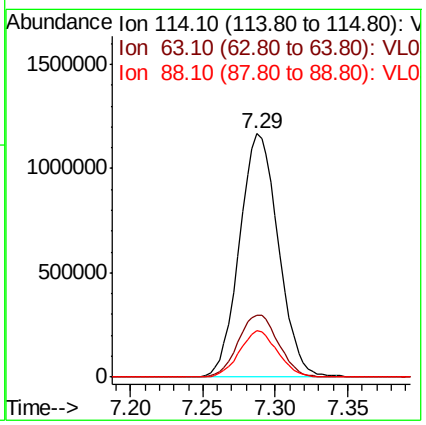


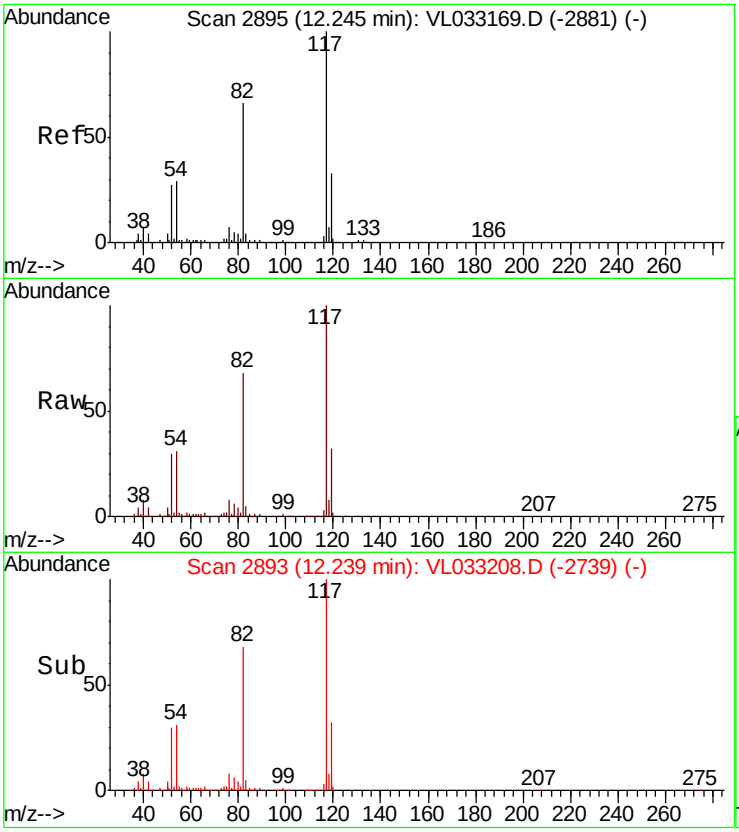


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033208.D
Acq: 14 Feb 2019 21:35

Tgt Ion:114 Resp: 2179801

Ion	Ratio	Lower	Upper
114	100		
63	26.5	20.8	31.2
88	18.7	14.6	22.0

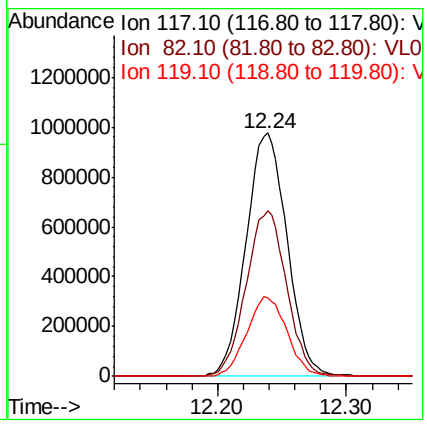


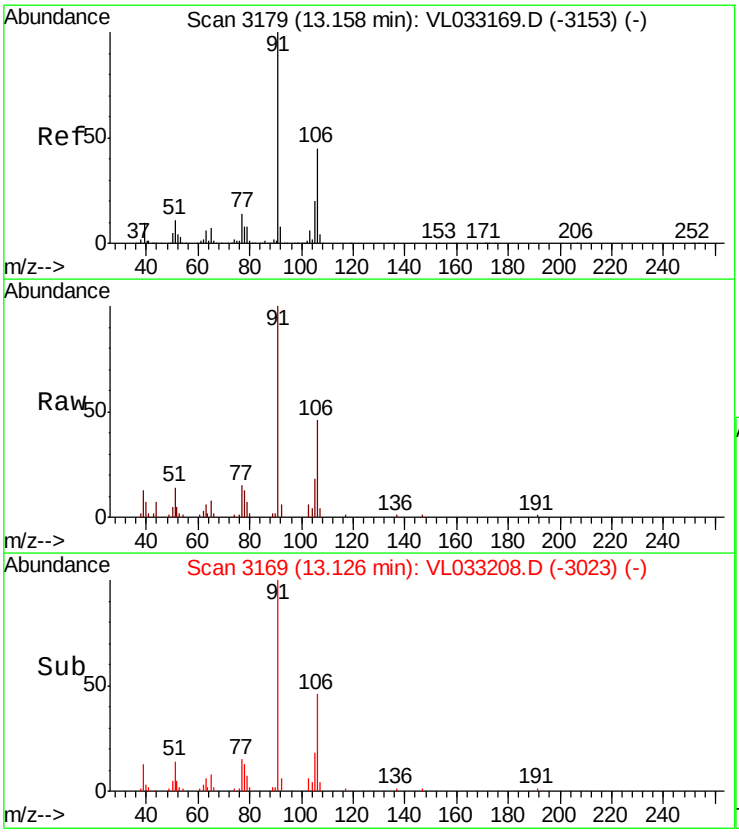


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033208.D
Acq: 14 Feb 2019 21:35

Tgt Ion:117 Resp: 2168412

Ion	Ratio	Lower	Upper
117	100		
82	67.7	53.8	80.8
119	32.2	46.9	70.3#

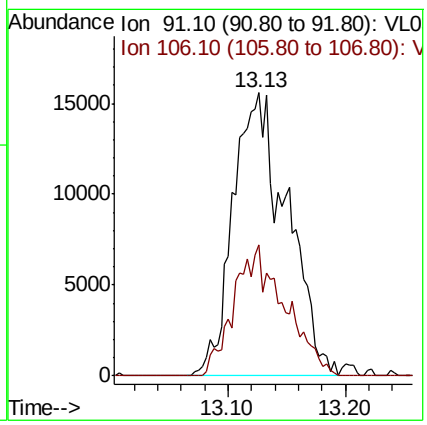


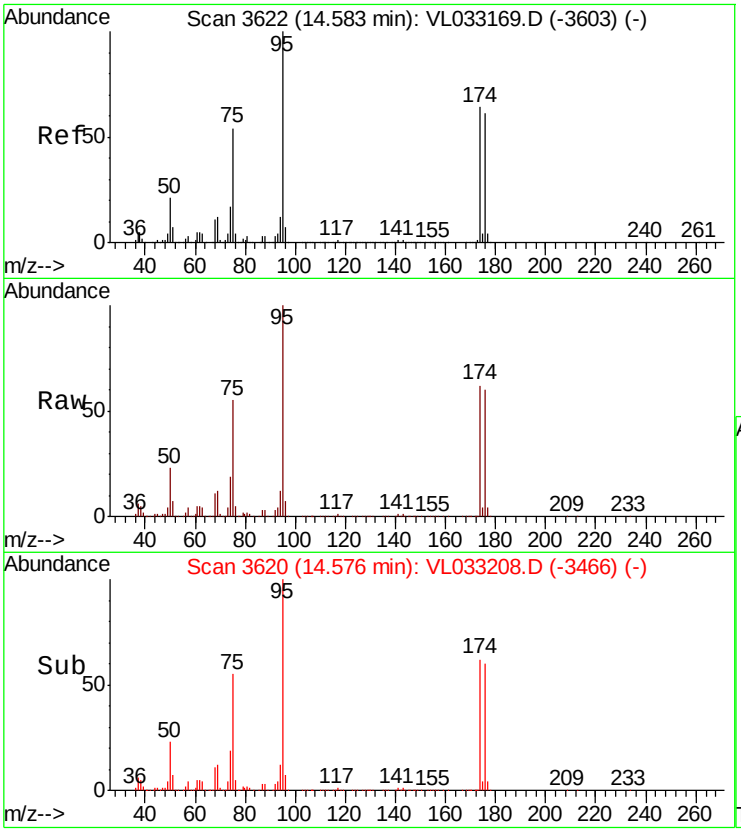


#59
m/p-Xylene
Concen: 0.168 ppbv m
RT: 13.13 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL033208.D
Acq: 14 Feb 2019 21:35

Tgt Ion: 91 Resp: 49865

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.6	55.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.270 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033208.D
Acq: 14 Feb 2019 21:35

Tgt Ion: 95 Resp: 1735451

Ion	Ratio	Lower	Upper
95	100		
174	63.9	51.1	76.7
175	4.6	3.8	5.6