Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021419\
Data File : VL033212.D
Acq On : 15 Feb 2019 00:12
Operator : SY/AP
Sample : K1483-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 21 01:16:27 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	942149	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2106945	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2104678	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1688047	10.29	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.90%			
Target Compounds						Qvalue
7) Chloroethane	3.60	64	20169	0.986	ppbv #	88
11) Trichlorofluoromethane	4.00	101	13169	0.090	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	49014	0.485	ppbv	99
13) Ethanol	3.67	45	7074m	0.380	ppbv	
15) Acetone	3.92	43	64416	0.607	ppbv #	90
18) 1,1-Dichloroethene	4.35	96	30425	0.673	ppbv	94
20) Methylene Chloride	4.41	84	17553	0.416	ppbv	92
24) 1,1-Dichloroethane	5.09	63	1387706	10.665	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	6141216	32.484	ppbv	99
52) Tetrachloroethene	11.37	164	16600m	0.202	ppbv	
59) m/p-Xylene	13.12	91	56601m	0.197	ppbv	

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

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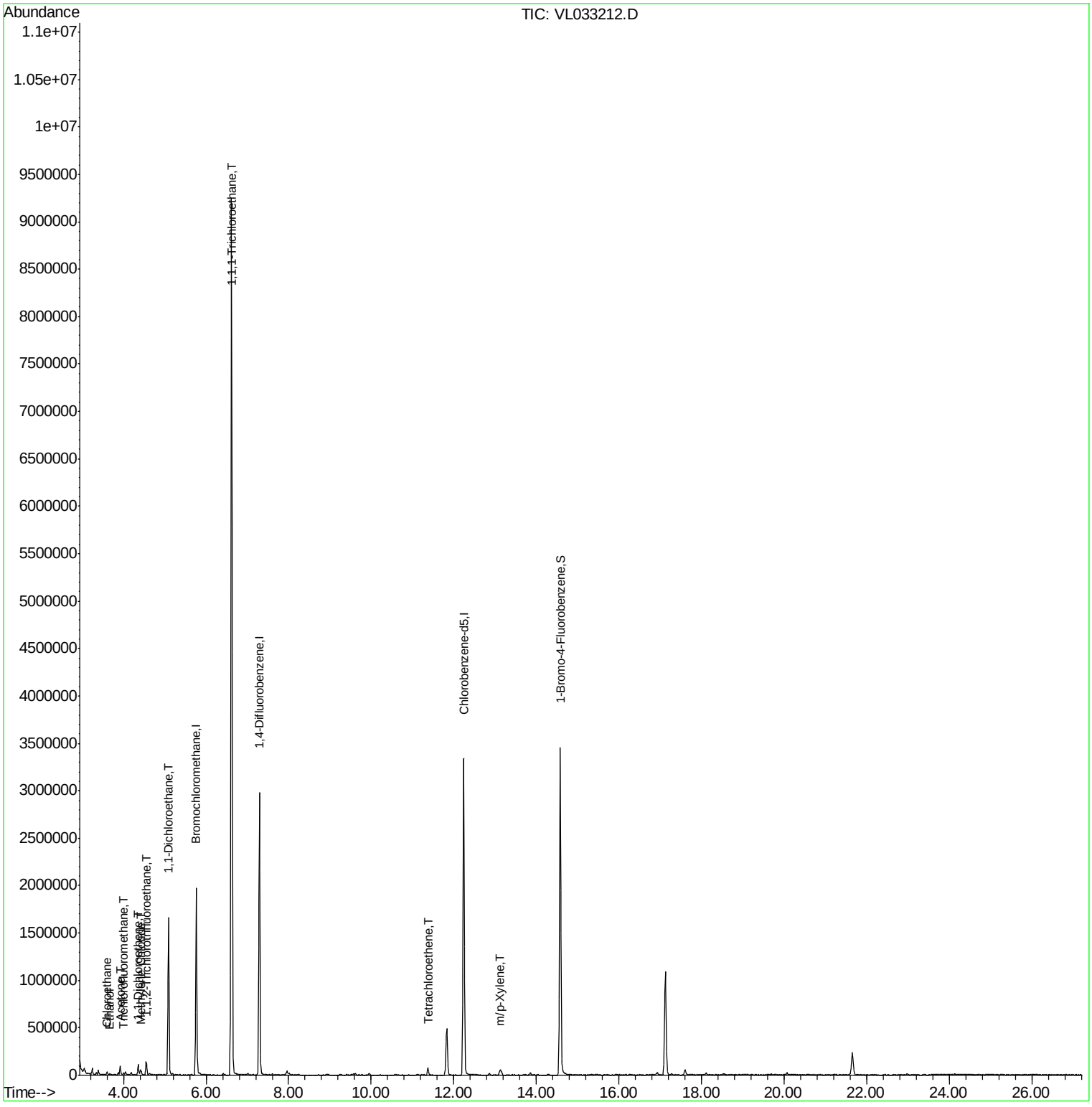
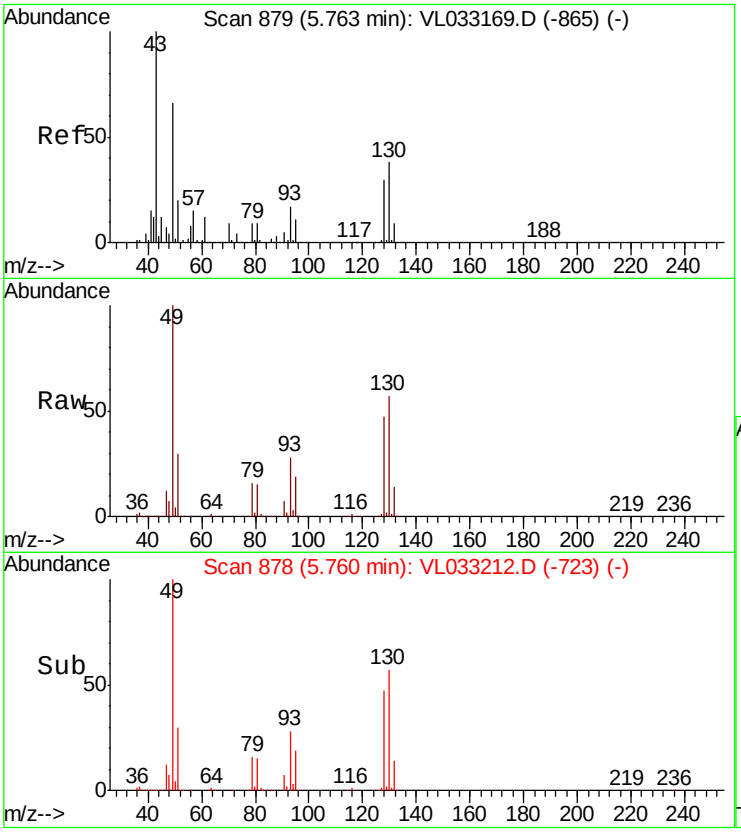
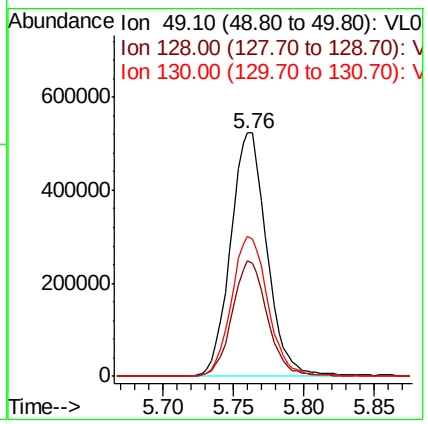


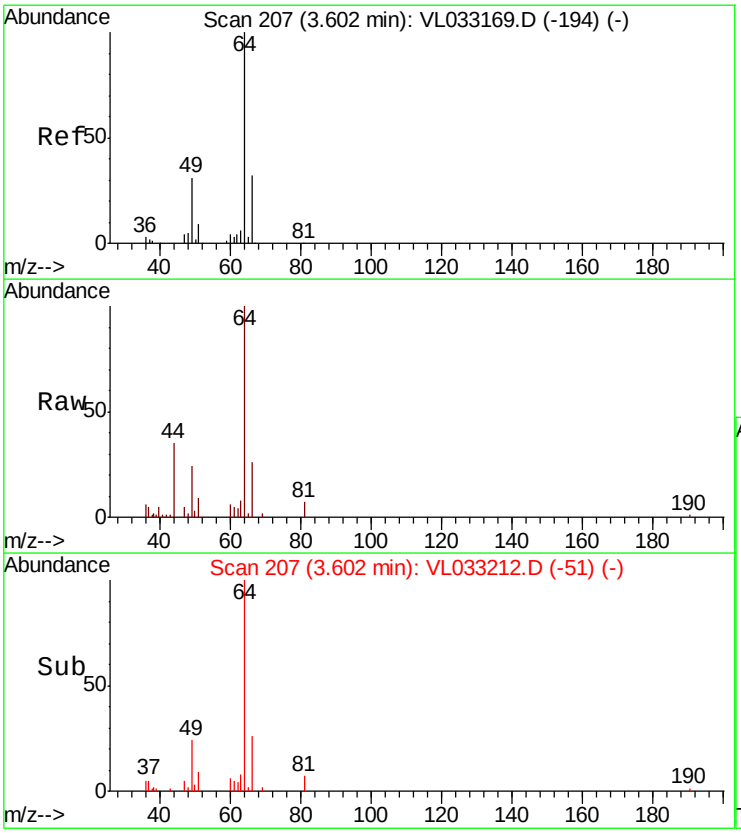


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 49 Resp: 942149

Ion	Ratio	Lower	Upper
49	100		
128	45.9	23.6	71.0
130	58.5	30.3	91.0

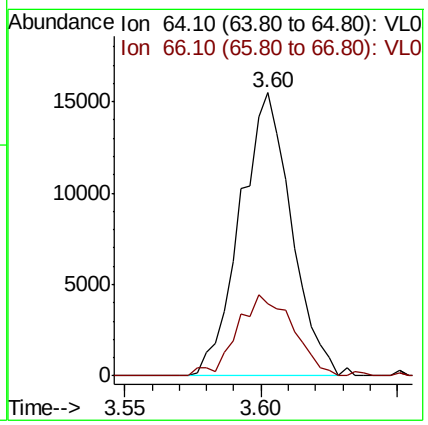


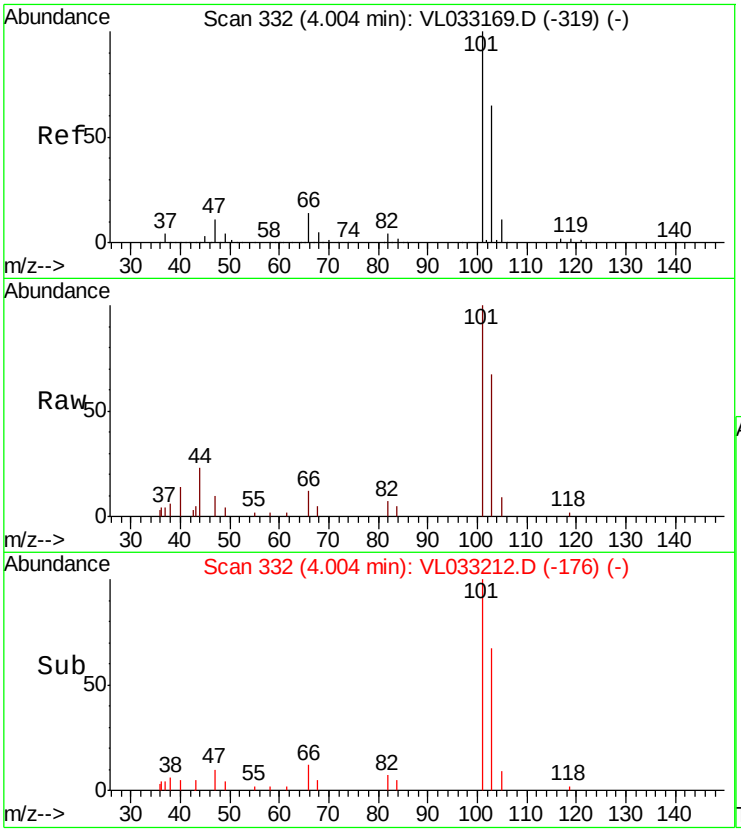


#7
Chloroethane
Concen: 0.986 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 64 Resp: 20169

Ion	Ratio	Lower	Upper
64	100		
66	25.5	26.0	39.0#

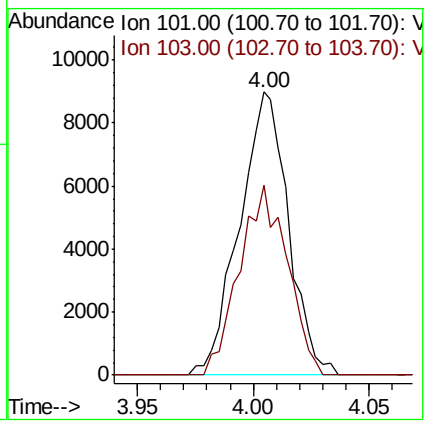


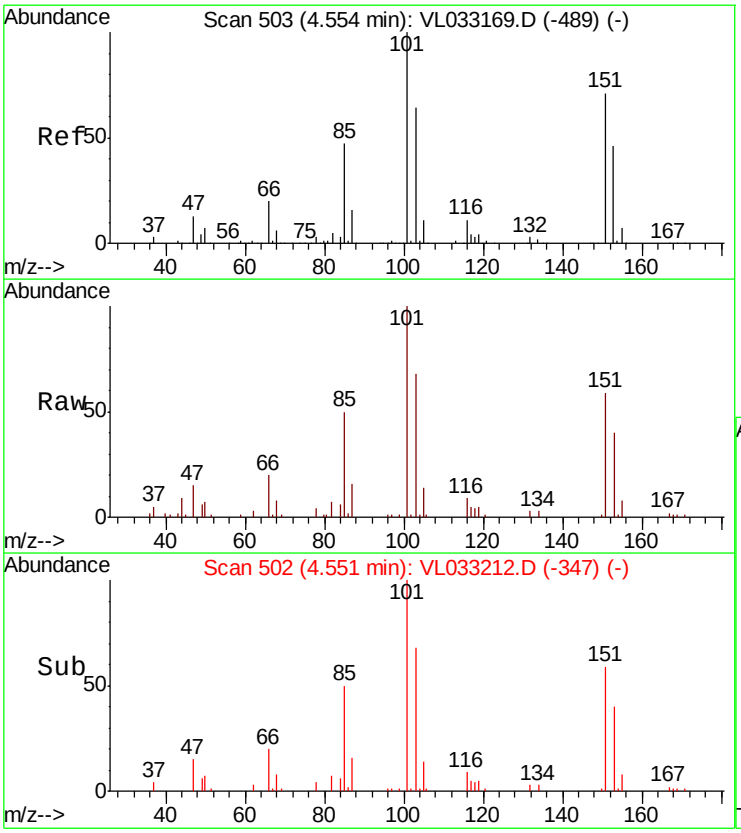


#11
Trichlorofluoromethane
Concen: 0.090 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion:101 Resp: 13169

Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.7	77.5

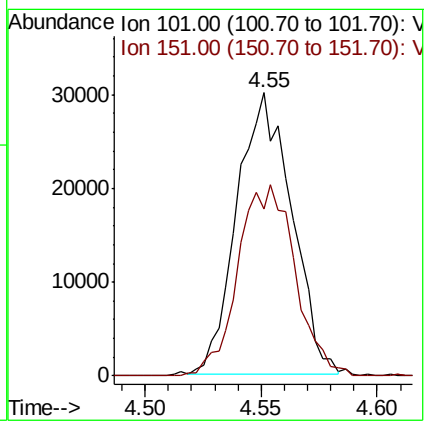


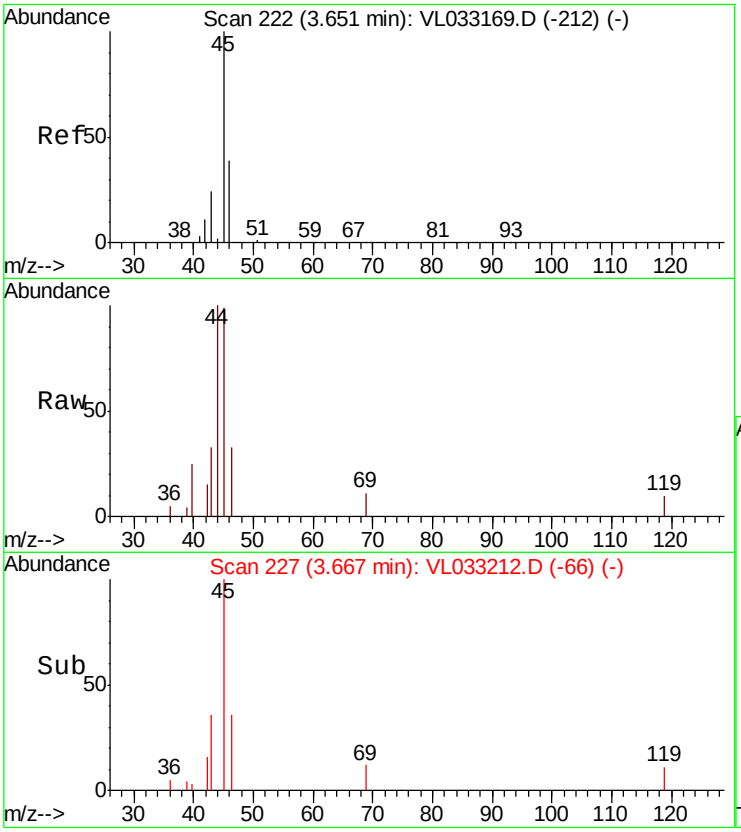


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.485 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion:101 Resp: 49014

Ion	Ratio	Lower	Upper
101	100		
151	70.6	57.4	86.0

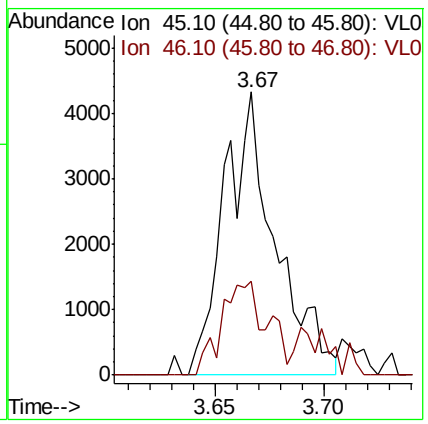


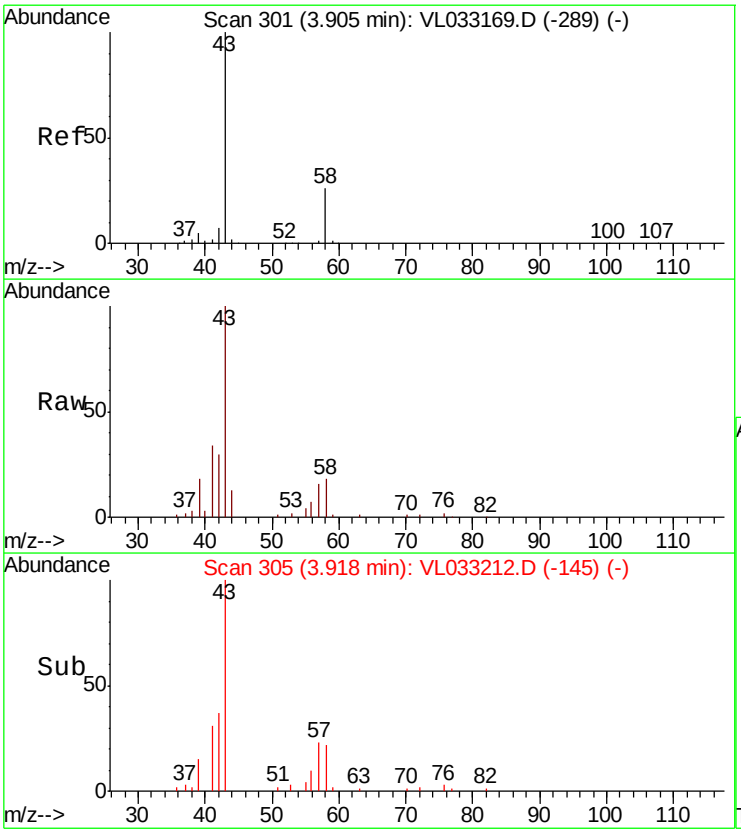


#13
Ethanol
Concen: 0.380 ppbv m
RT: 3.67 min Scan# 227
Delta R.T. 0.02 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 45 Resp: 7074

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	60.2#

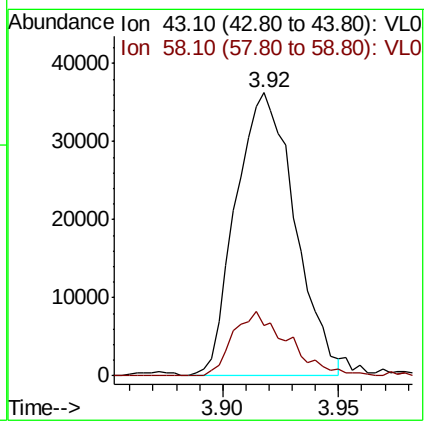


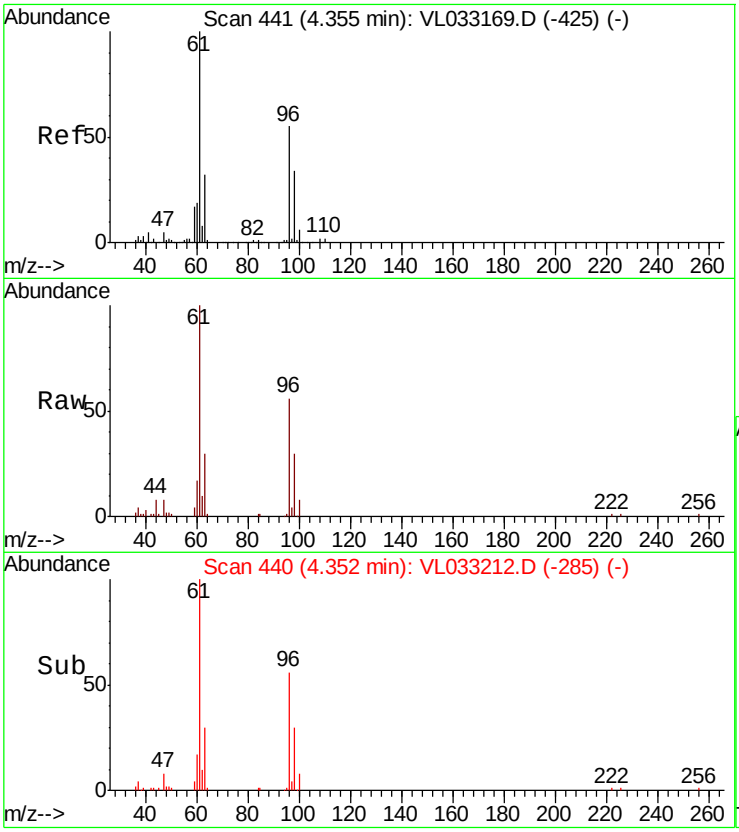


#15
Acetone
Concen: 0.607 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 43 Resp: 64416

Ion	Ratio	Lower	Upper
43	100		
58	21.1	21.1	31.7#

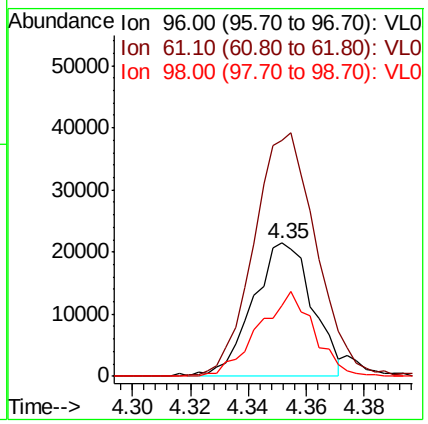


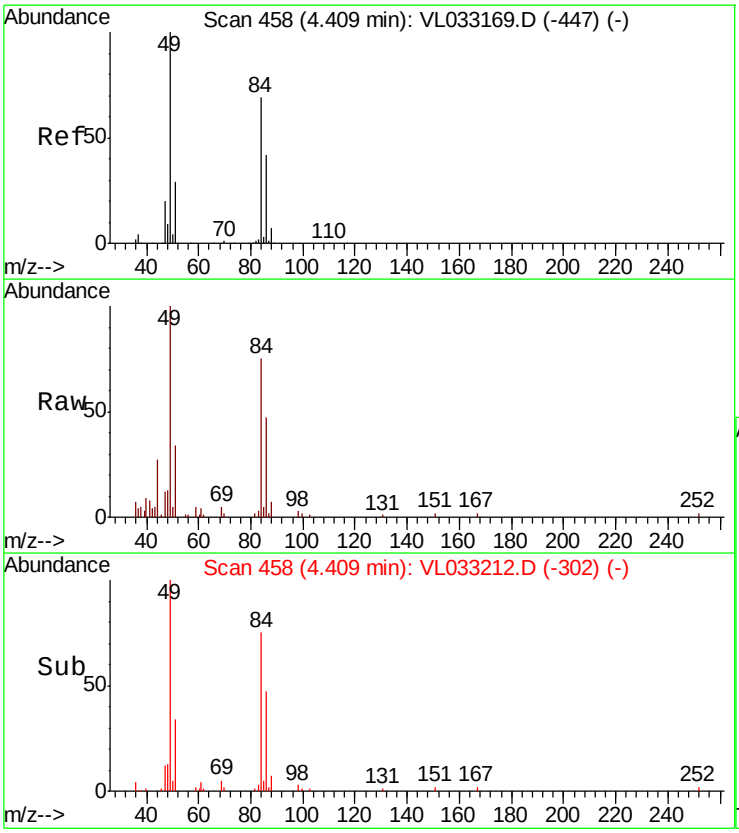


#18
1,1-Dichloroethene
Concen: 0.673 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 96 Resp: 30425

Ion	Ratio	Lower	Upper
96	100		
61	175.6	145.0	217.6
98	52.8	50.0	75.0

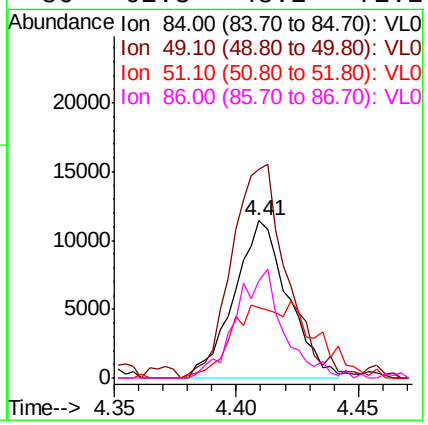


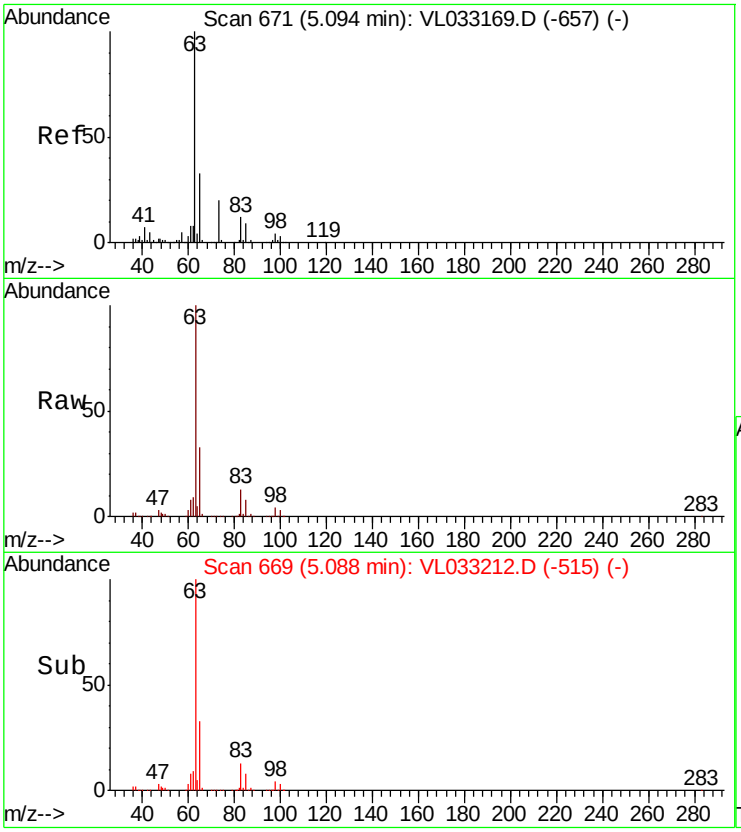


#20
Methylene Chloride
Concen: 0.416 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 84 Resp: 17553

Ion	Ratio	Lower	Upper
84	100		
49	130.8	115.8	173.8
51	43.4	33.0	49.6
86	62.3	48.2	72.2

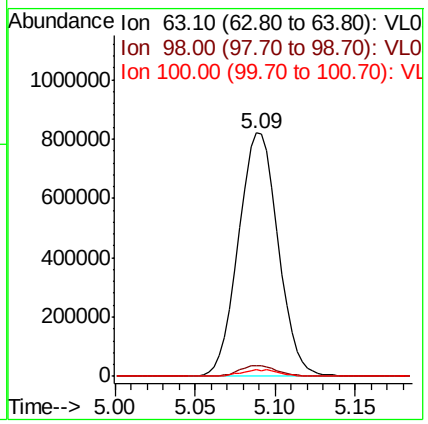


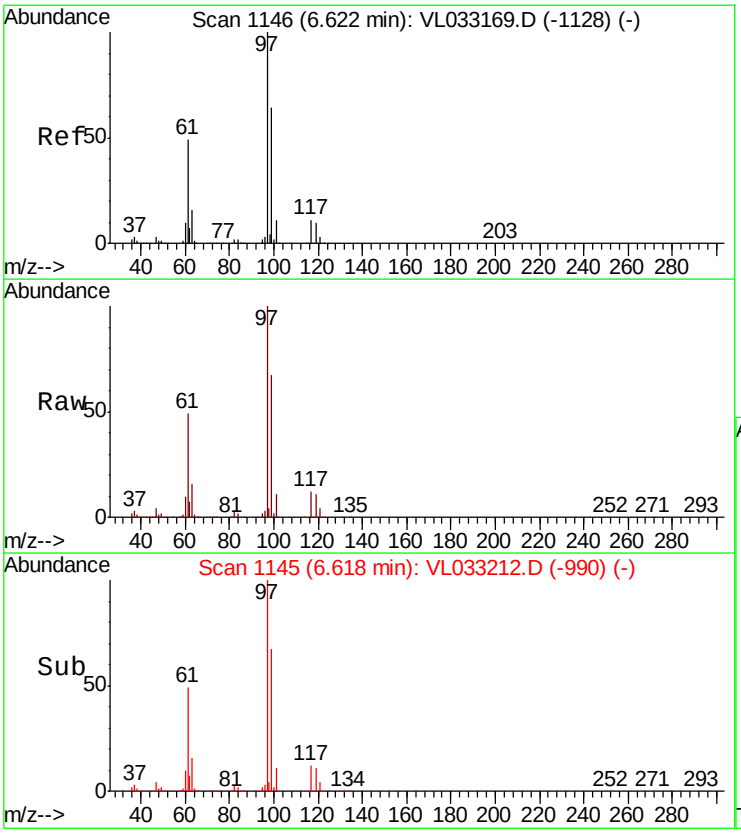


#24
1,1-Dichloroethane
Concen: 10.665 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.01 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 63 Resp: 1387706

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.8	1.4	4.2

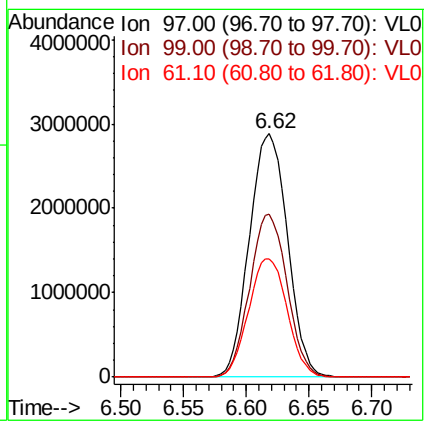


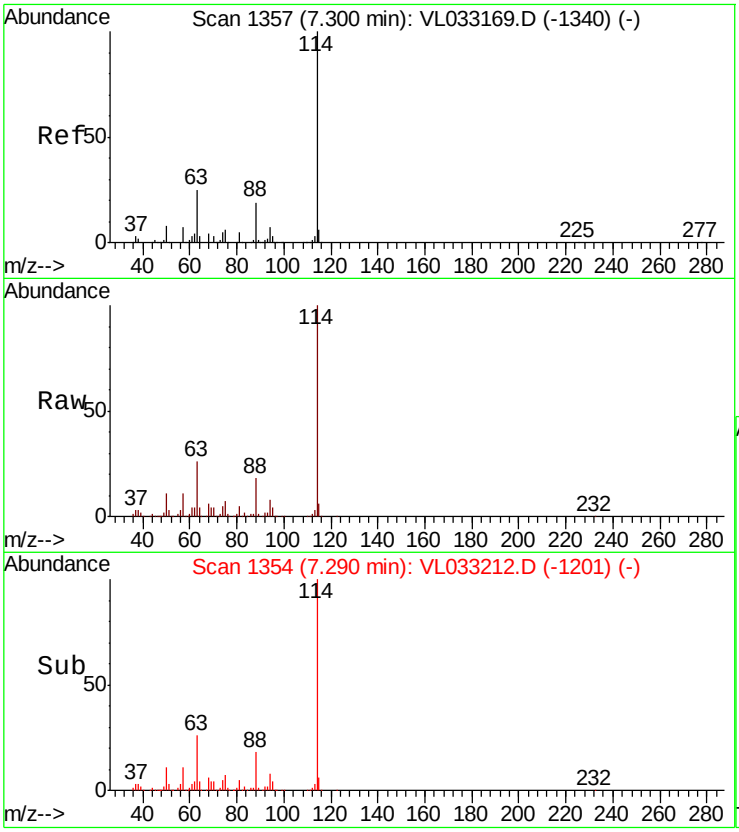


#32
1,1,1-Trichloroethane
Concen: 32.484 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 97 Resp: 6141216

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.2
61	49.2	38.8	58.2

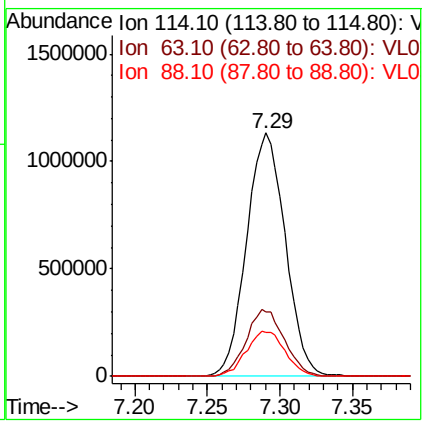


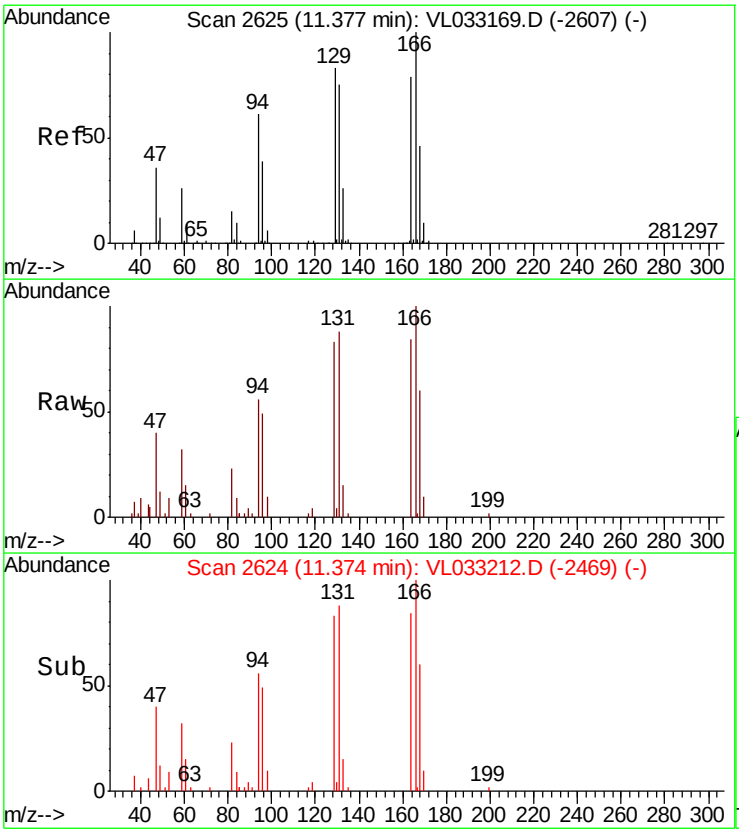


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion:114 Resp: 2106945

Ion	Ratio	Lower	Upper
114	100		
63	27.0	20.8	31.2
88	18.6	14.6	22.0

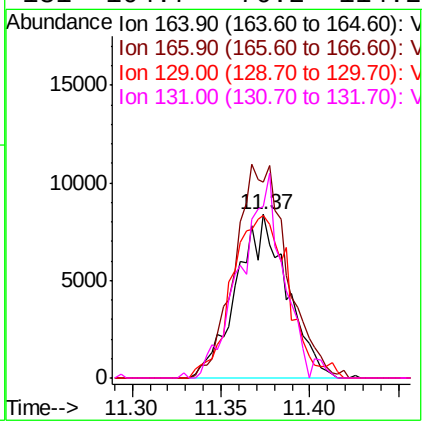


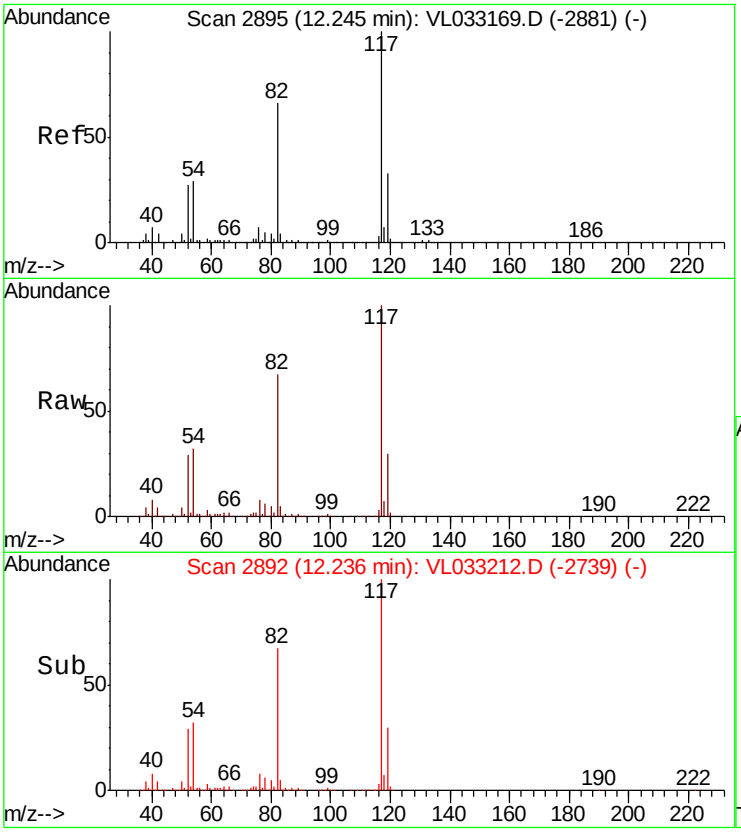


#52
Tetrachloroethene
Concen: 0.202 ppbv m
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion:164 Resp: 16600

Ion	Ratio	Lower	Upper
164	100		
166	119.7	100.9	151.3
129	99.4	83.9	125.9
131	104.7	76.2	114.2

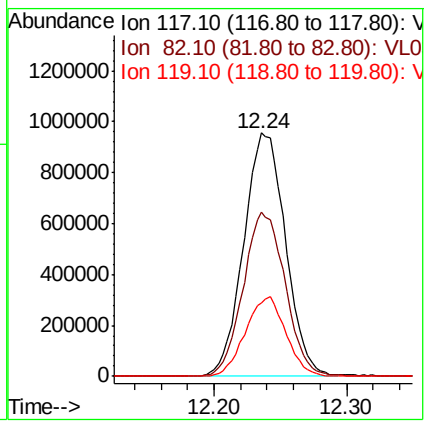


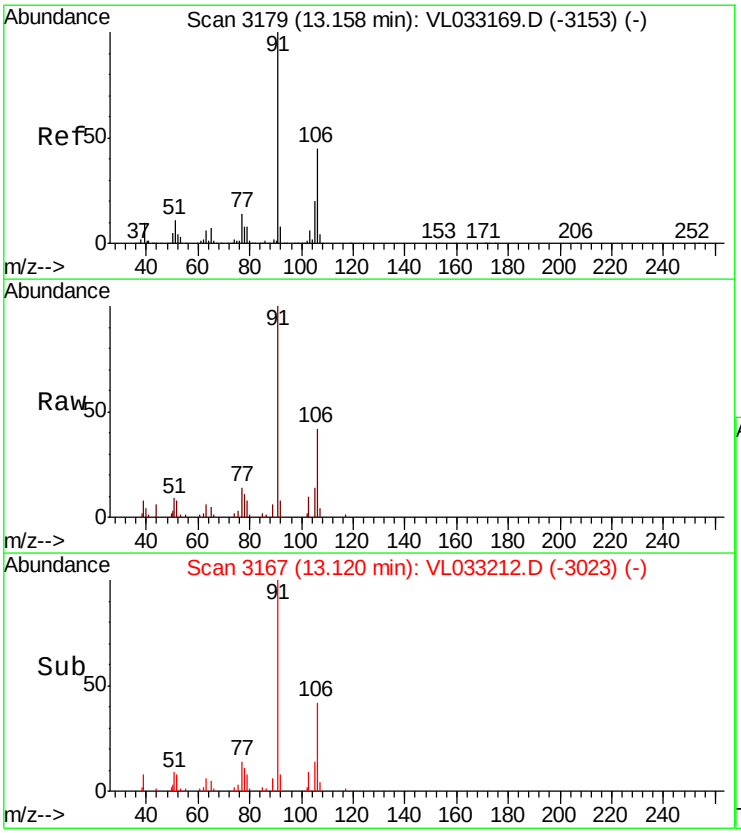


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion:117 Resp: 2104678

Ion	Ratio	Lower	Upper
117	100		
82	67.9	53.8	80.8
119	31.8	46.9	70.3#

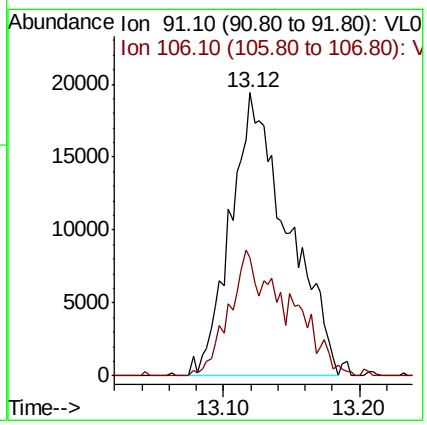


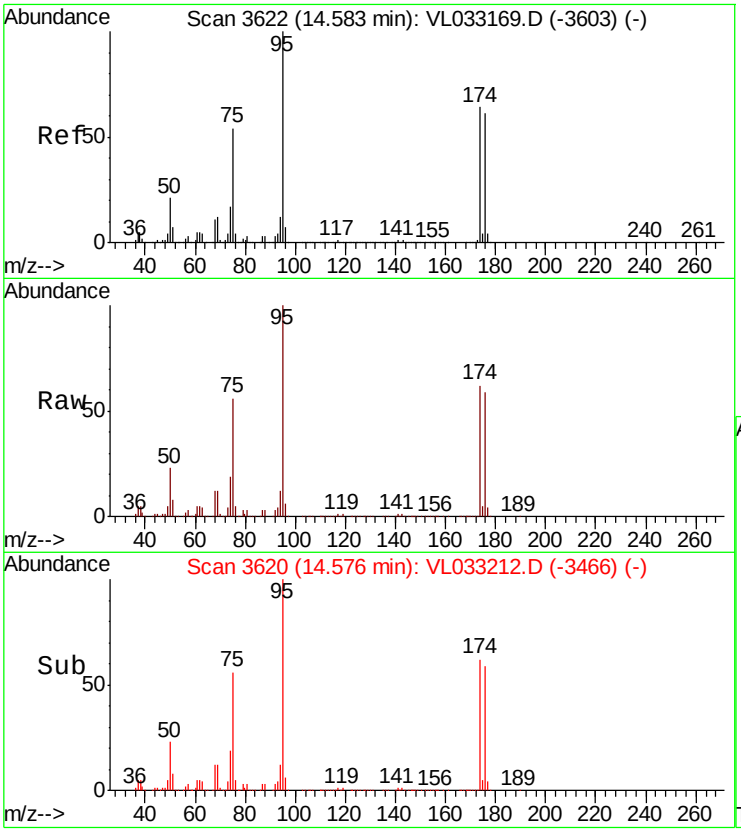


#59
m/p-Xylene
Concen: 0.197 ppbv m
RT: 13.12 min Scan# 3167
Delta R.T. -0.04 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 91 Resp: 56601

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.6	55.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.292 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 95 Resp: 1688047

Ion	Ratio	Lower	Upper
95	100		
174	63.0	51.1	76.7
175	4.5	3.8	5.6