Quantitation Report (Not 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 15 04:20:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

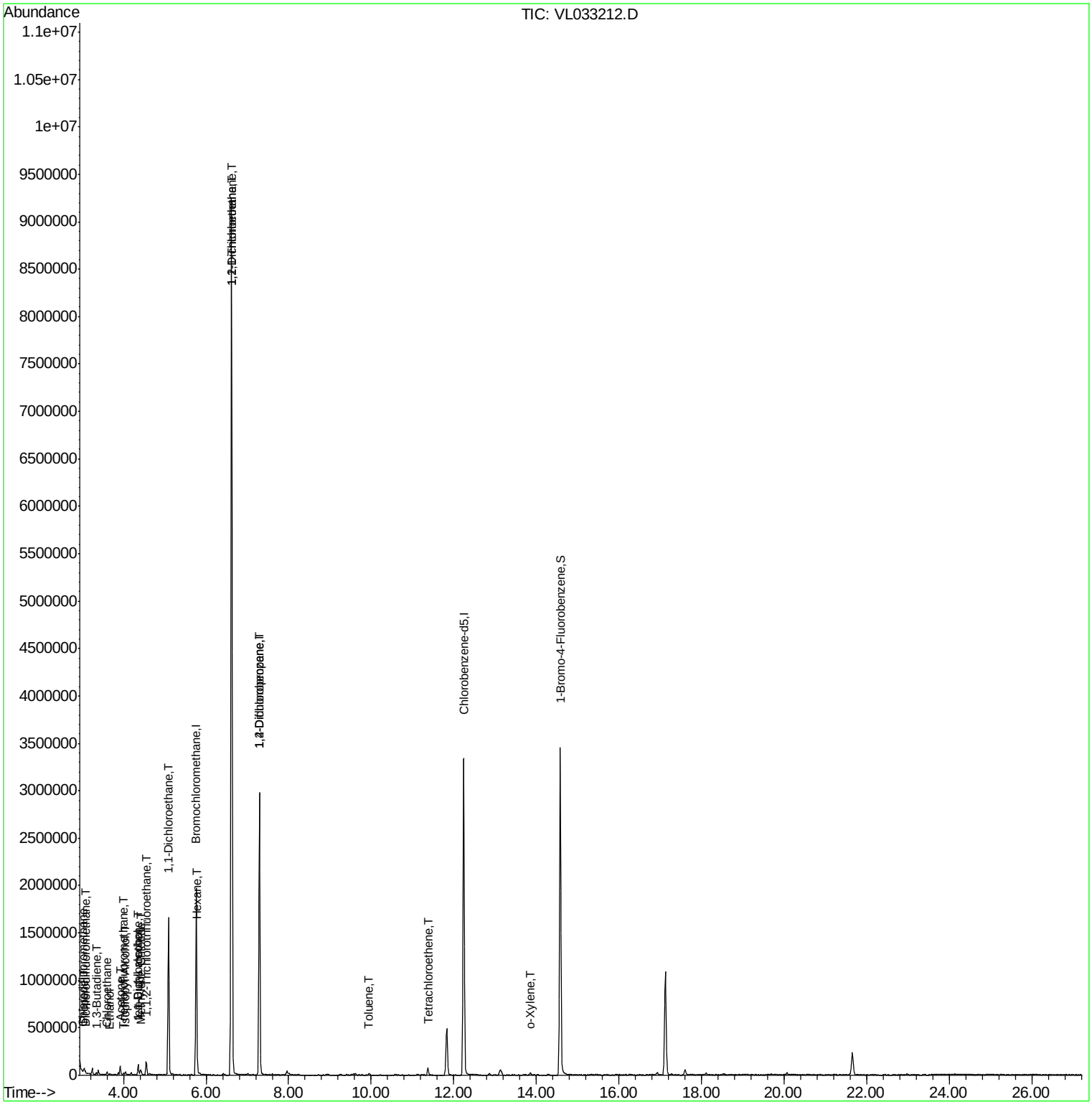
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	942149	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2106945	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2104678	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1688047	10.41	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	9143	0.051	ppbv		89
3) Chlorodifluoromethane	3.02	51	4749	0.042	ppbv		97
7) Chloroethane	3.60	64	20169	0.986	ppbv	#	88
9) Propene	3.04	41	3324	0.061	ppbv	#	58
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	3.66	45	2526	0.138	ppbv	#	37
15) Acetone	3.92	43	64416	0.607	ppbv	#	90
16) 1,3-Butadiene	3.34	39	5565	0.110	ppbv	#	7
17) tert-Butyl alcohol	4.36	59	689	0.034	ppbv	#	74
18) 1,1-Dichloroethene	4.35	96	30425	0.673	ppbv		94
19) Isopropyl Alcohol	4.04	45	26007	0.361	ppbv	#	96
20) Methylene Chloride	4.41	84	17553	0.416	ppbv		92
24) 1,1-Dichloroethane	5.09	63	1387706	10.665	ppbv		100
26) Hexane	5.78	57	12230	0.109	ppbv	#	44
32) 1,1,1-Trichloroethane	6.62	97	6141216	32.484	ppbv		99
37) 1,2-Dichloroethane	6.62	62	429186	3.627	ppbv	#	1
39) 1,2-Dichloropropane	7.29	63	567184	6.726	ppbv	#	24
52) Tetrachloroethene	11.37	164	6394	0.078	ppbv		93
53) Toluene	9.94	91	7823	0.031	ppbv	#	63
60) o-Xylene	13.85	91	13523	0.049	ppbv		89

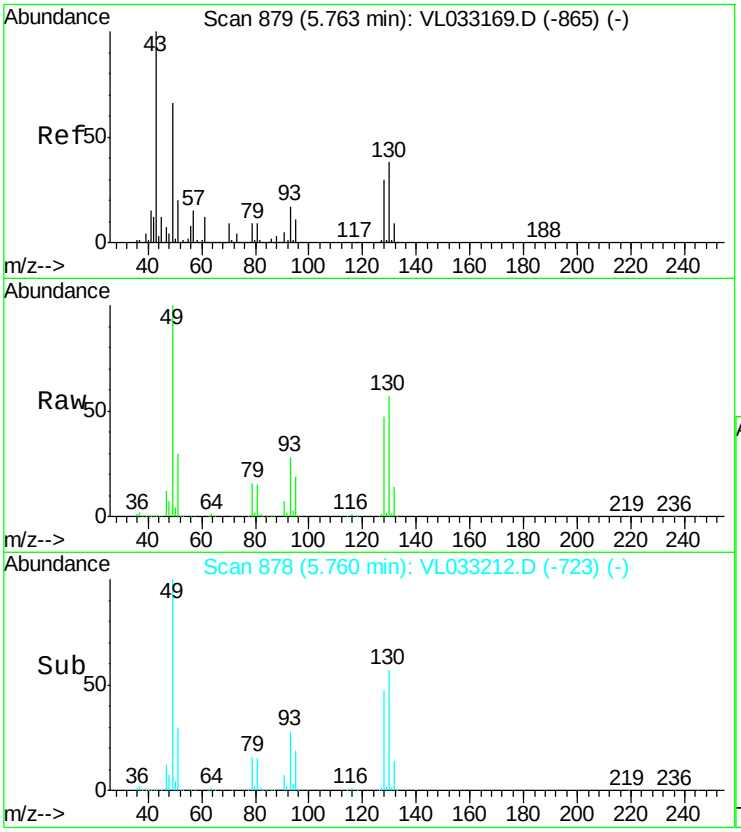
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not 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 15 04:20:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

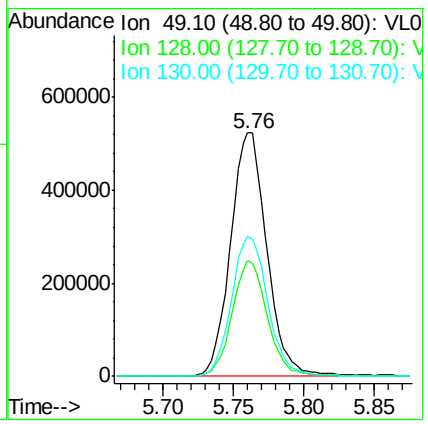


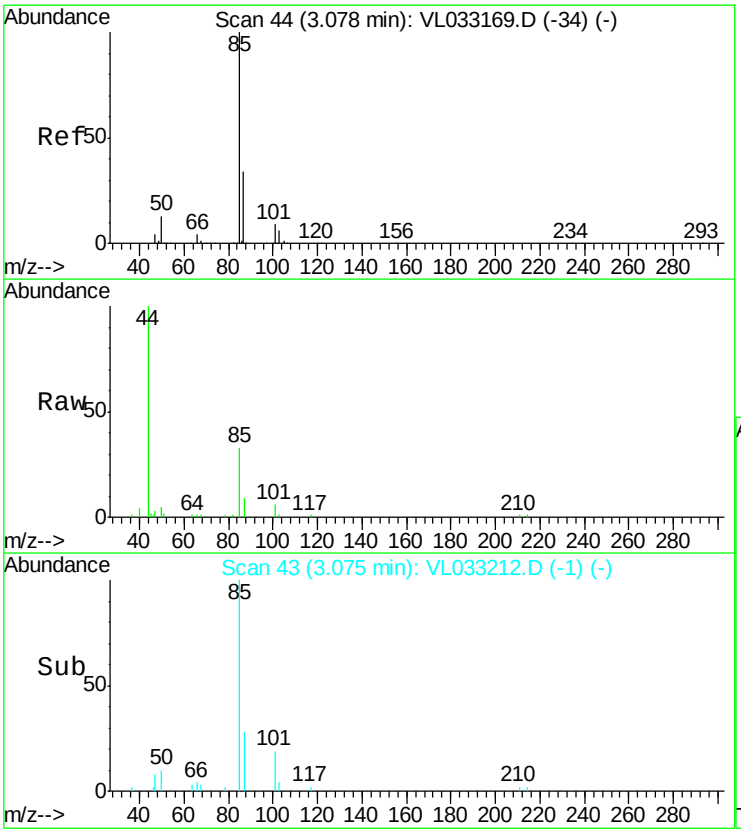


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

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

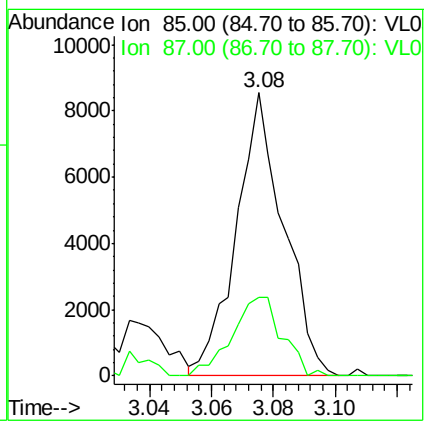


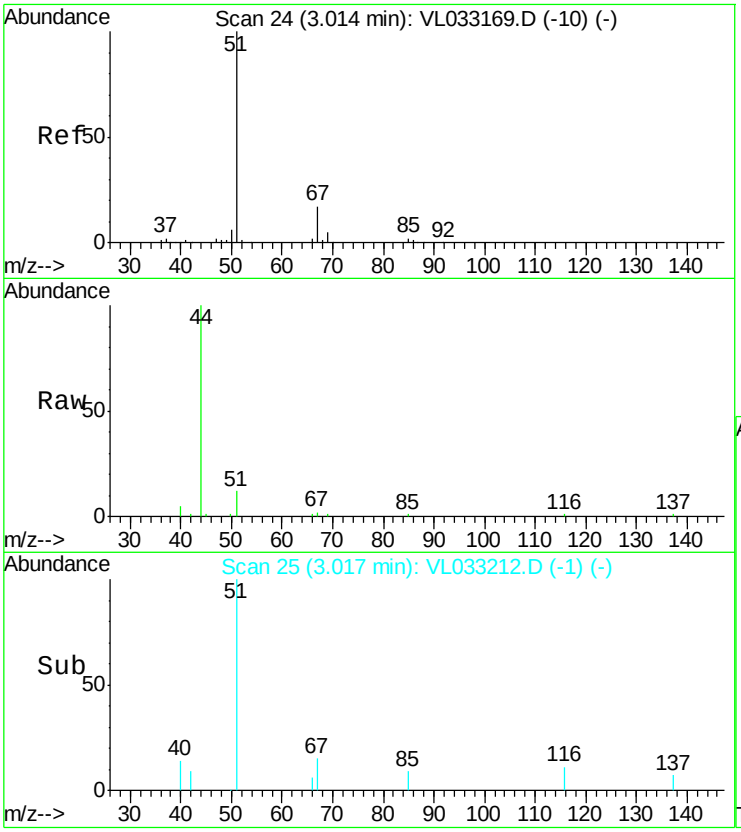


#2
Dichlorodifluoromethane
Concen: 0.051 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 85 Resp: 9143

Ion	Ratio	Lower	Upper
85	100		
87	27.8	27.4	41.2

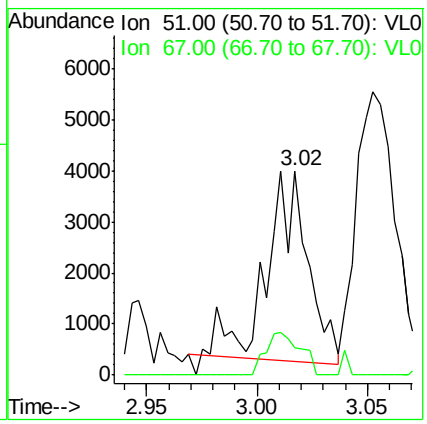


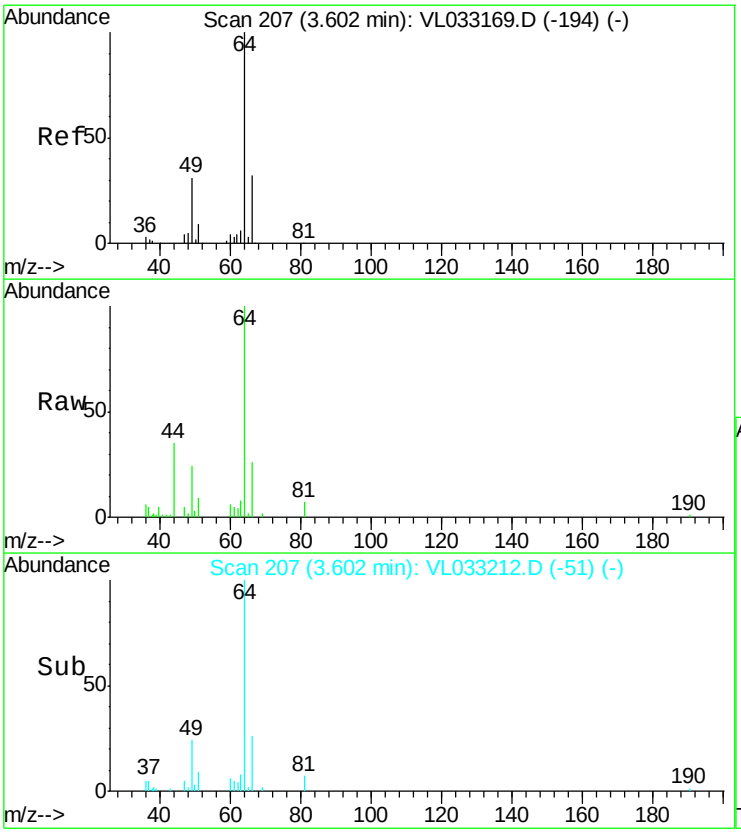


#3
Chlorodifluoromethane
Concen: 0.042 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 51 Resp: 4749

Ion	Ratio	Lower	Upper
51	100		
67	19.0	14.0	21.0

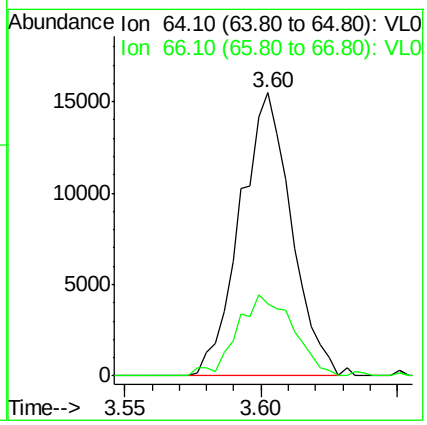


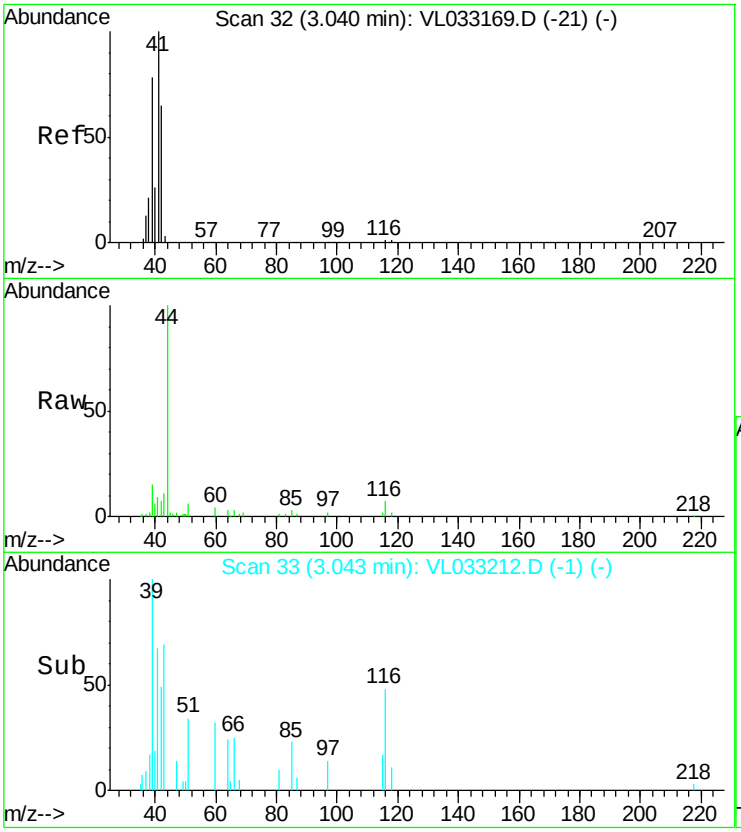


#7
Chloroethane
Concen: 0.986 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 64 Resp: 20169

Ion	Ratio	Lower	Upper
64	100		
66	25.5	26.0	39.0#

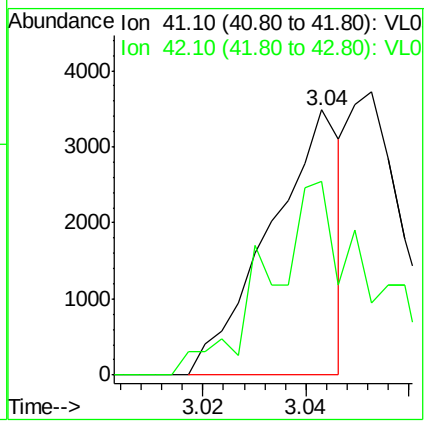


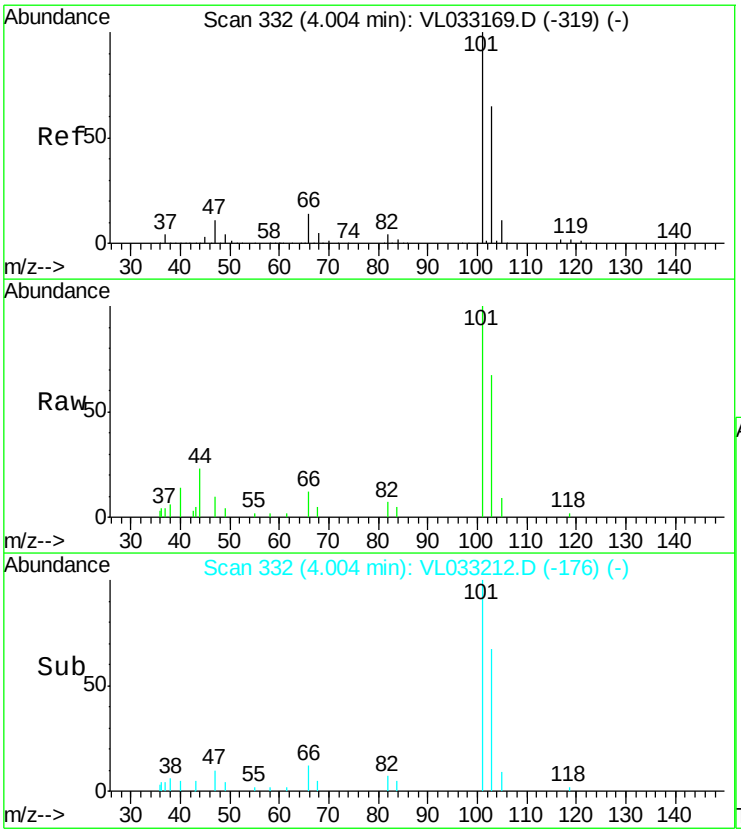


#9
Propene
Concen: 0.061 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 41 Resp: 3324

Ion	Ratio	Lower	Upper
41	100		
42	103.1	55.0	82.6#

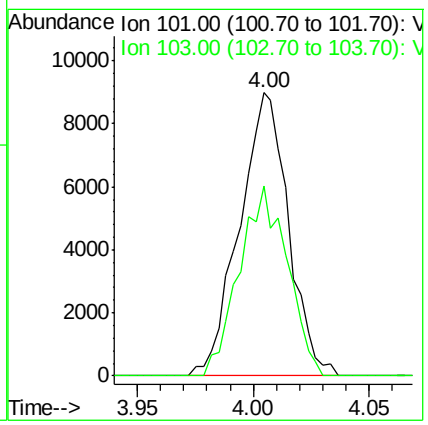


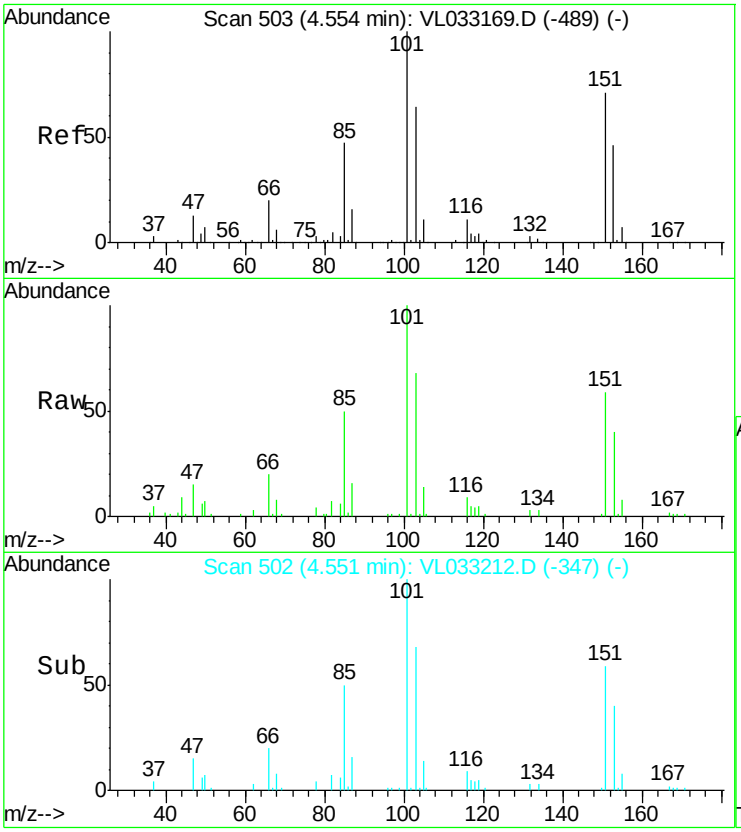


#11
Trichlorofluoromethane
Concen: 0.090 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion:101 Resp: 13169

Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.7	77.5

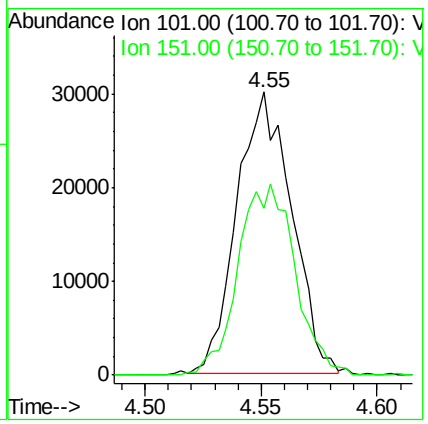


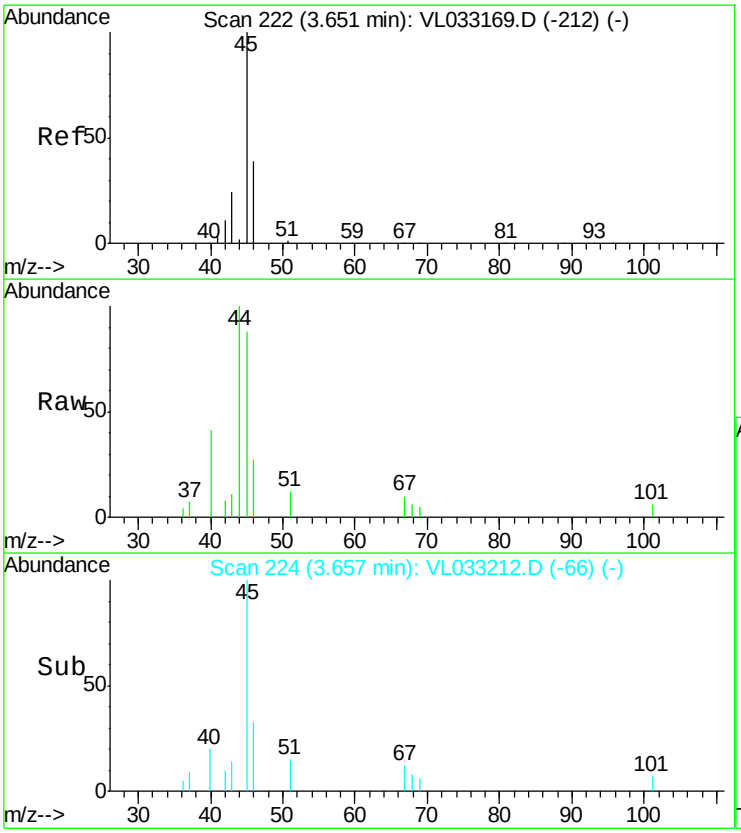


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.485 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion:101 Resp: 49014

Ion	Ratio	Lower	Upper
101	100		
151	70.6	57.4	86.0

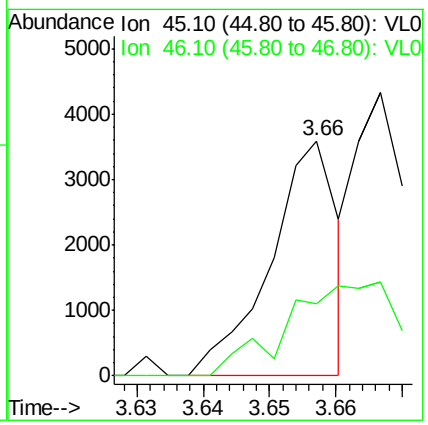


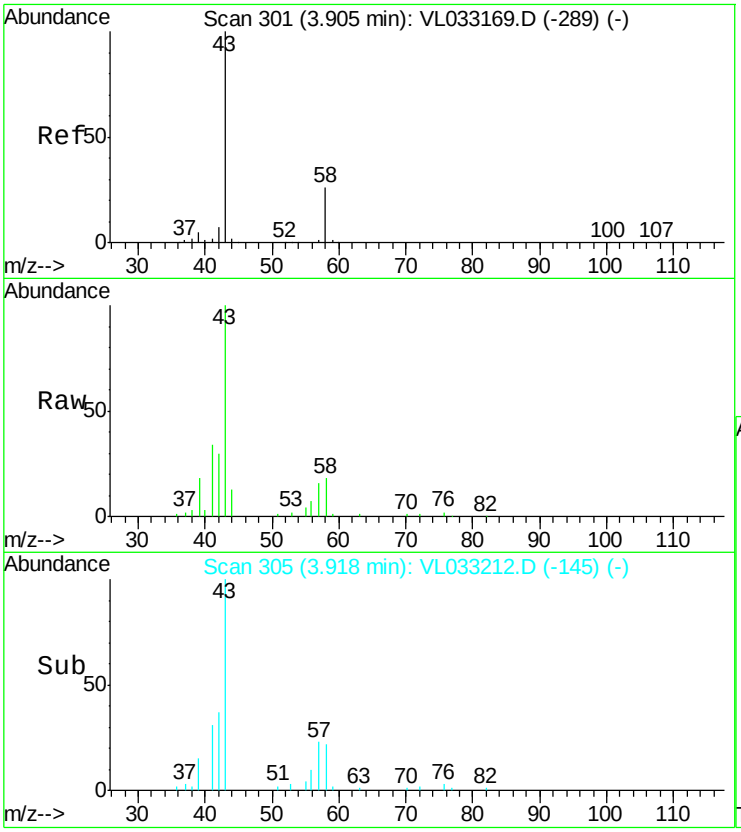


#13
Ethanol
Concen: 0.138 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 45 Resp: 2526

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	60.2#

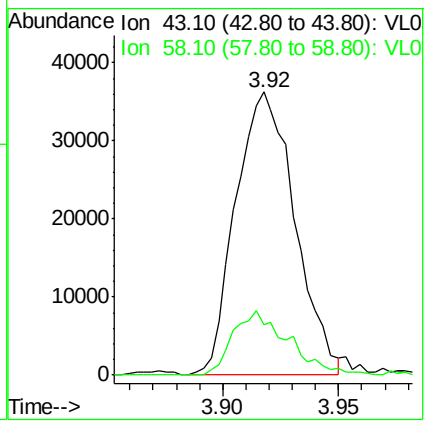


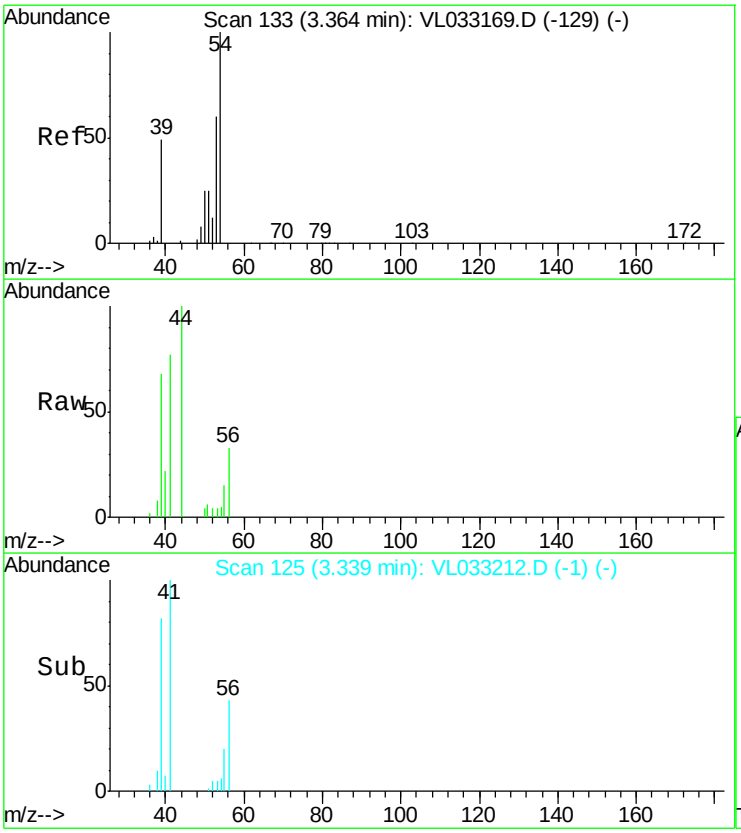


#15
Acetone
Concen: 0.607 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 43 Resp: 64416

Ion	Ratio	Lower	Upper
43	100		
58	21.1	21.1	31.7#

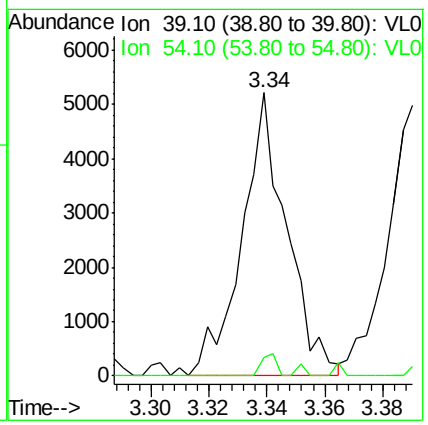


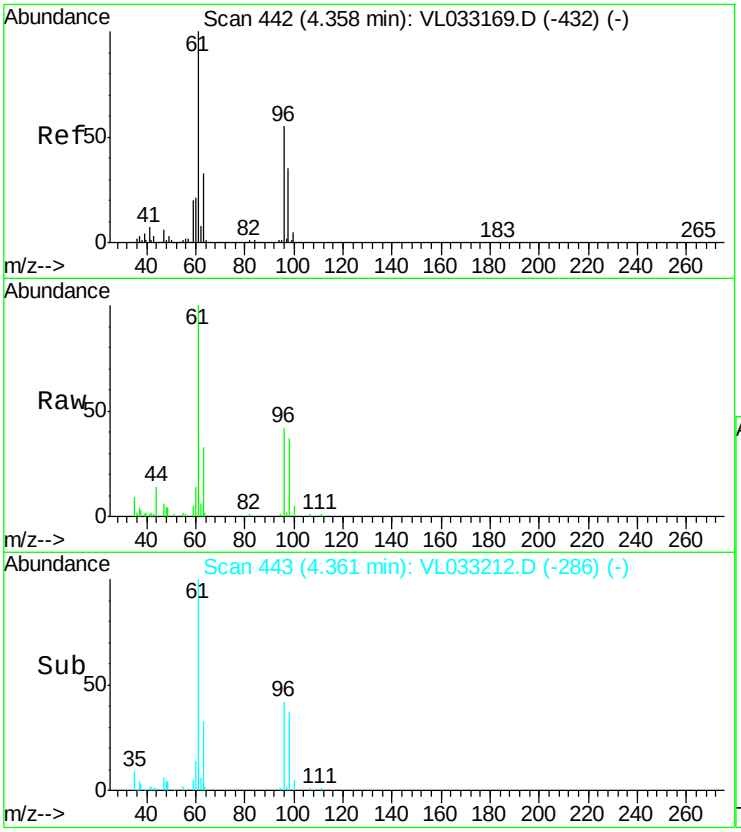


#16
1,3-Butadiene
Concen: 0.110 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.03 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 39 Resp: 5565

Ion	Ratio	Lower	Upper
39	100		
54	1.7	71.3	106.9#

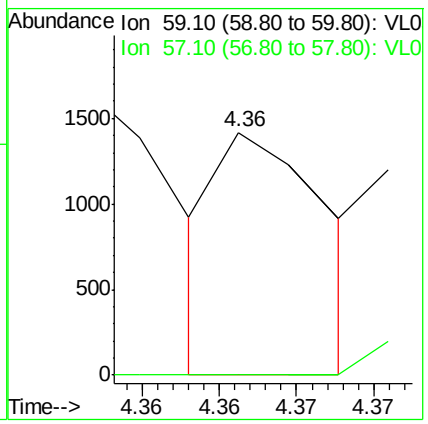


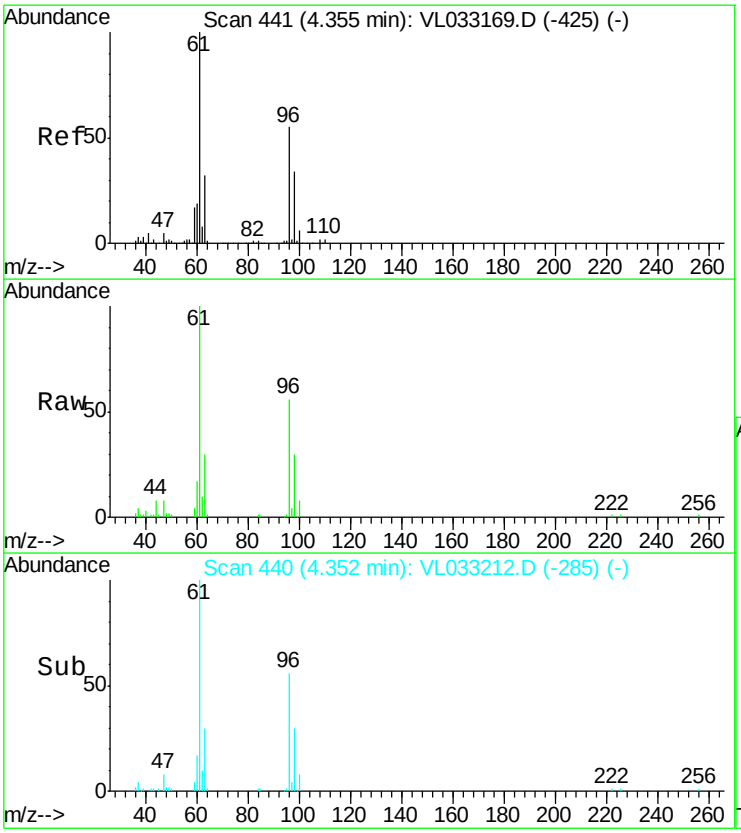


#17
tert-Butyl alcohol
Concen: 0.034 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 59 Resp: 689

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#

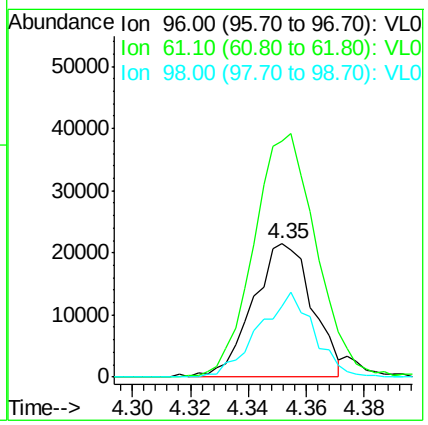


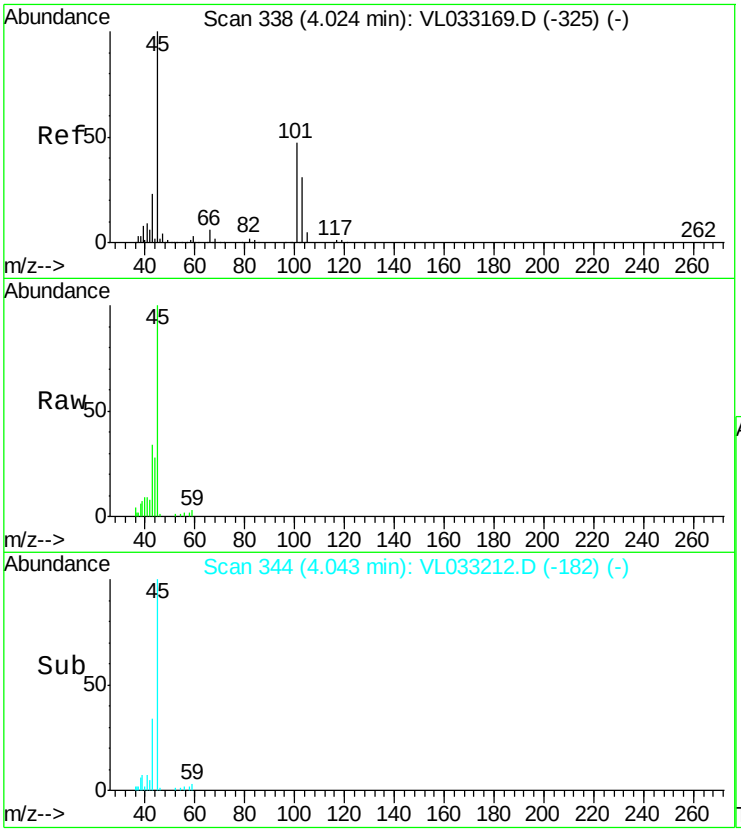


#18
1,1-Dichloroethene
Concen: 0.673 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

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

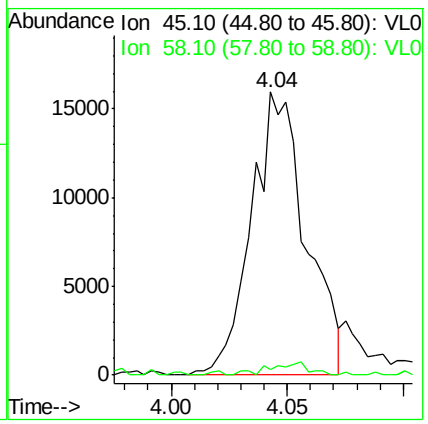


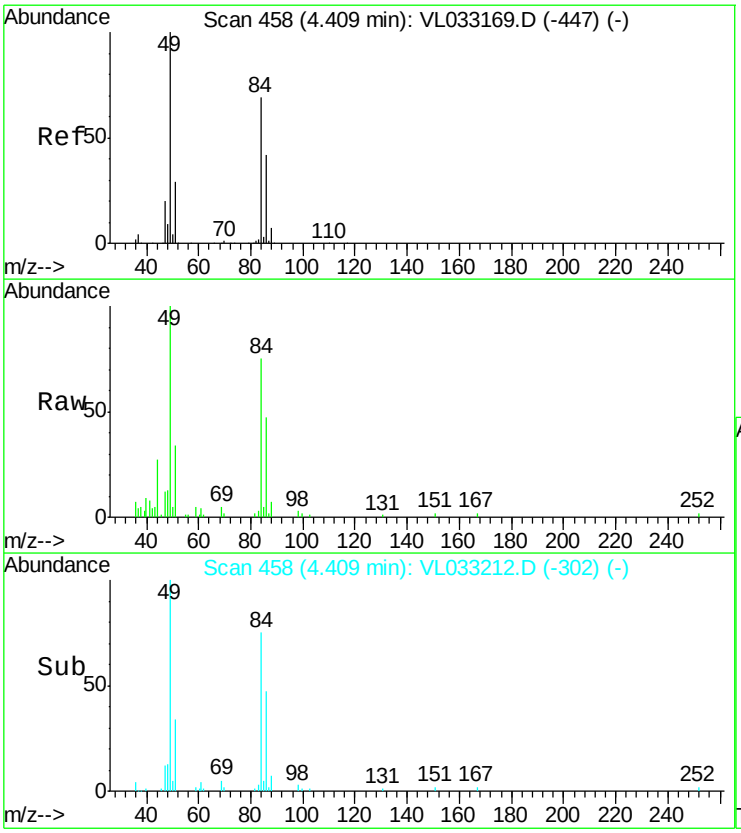


#19
Isopropyl Alcohol
Concen: 0.361 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.02 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 45 Resp: 26007

Ion	Ratio	Lower	Upper
45	100		
58	3.4	1.5	2.3#

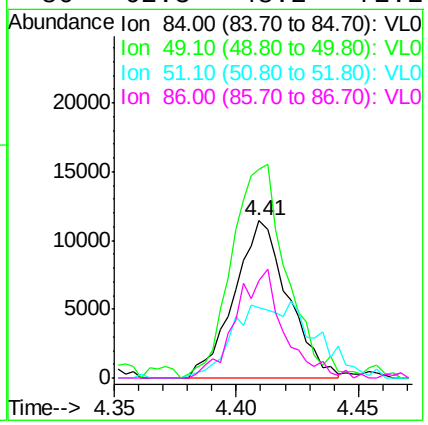


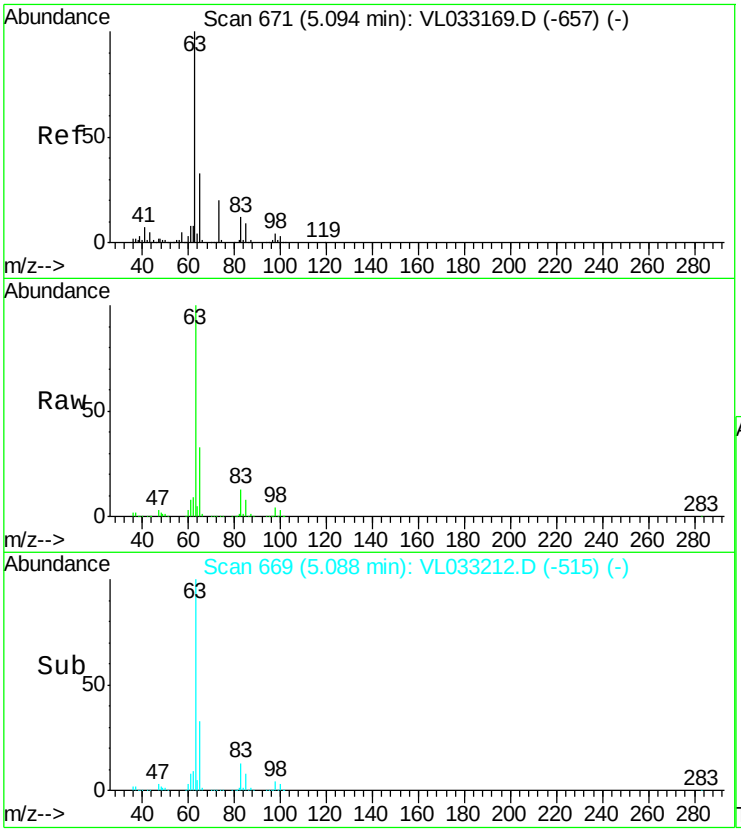


#20
Methylene Chloride
Concen: 0.416 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

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

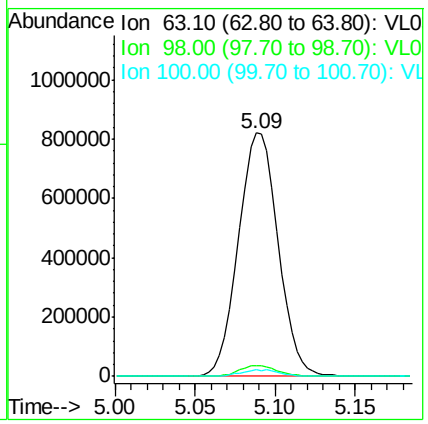


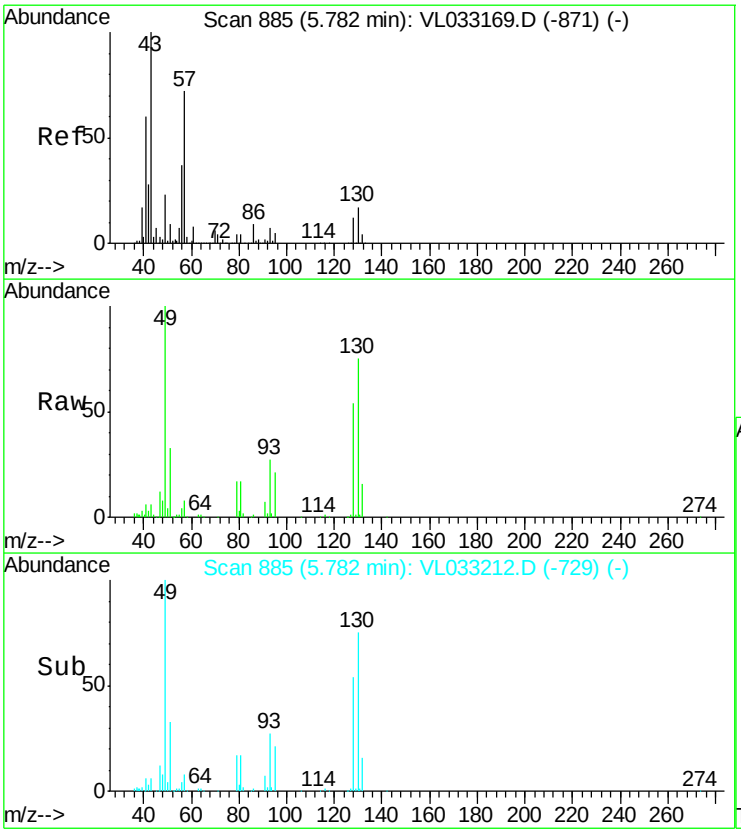


#24
1,1-Dichloroethane
Concen: 10.665 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.01 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

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

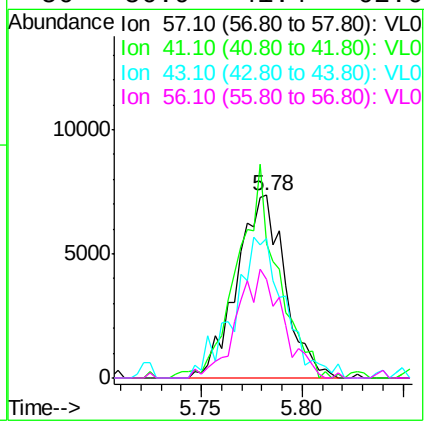


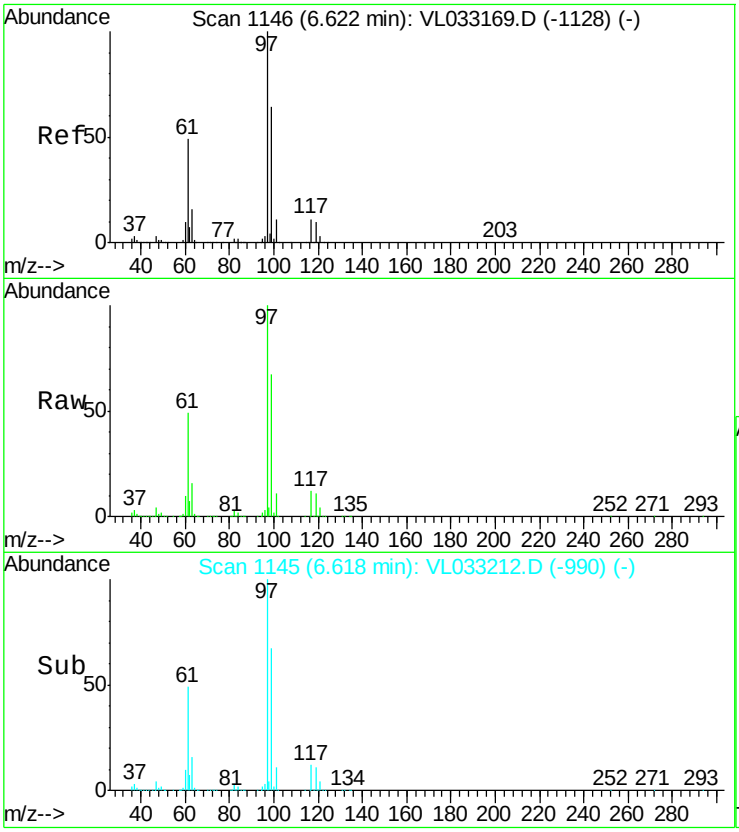


#26
Hexane
Concen: 0.109 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 57 Resp: 12230

Ion	Ratio	Lower	Upper
57	100		
41	97.9	69.4	104.2
43	83.8	176.7	265.1#
56	56.9	41.4	62.0

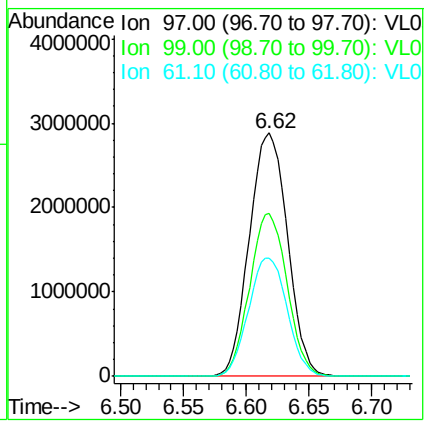


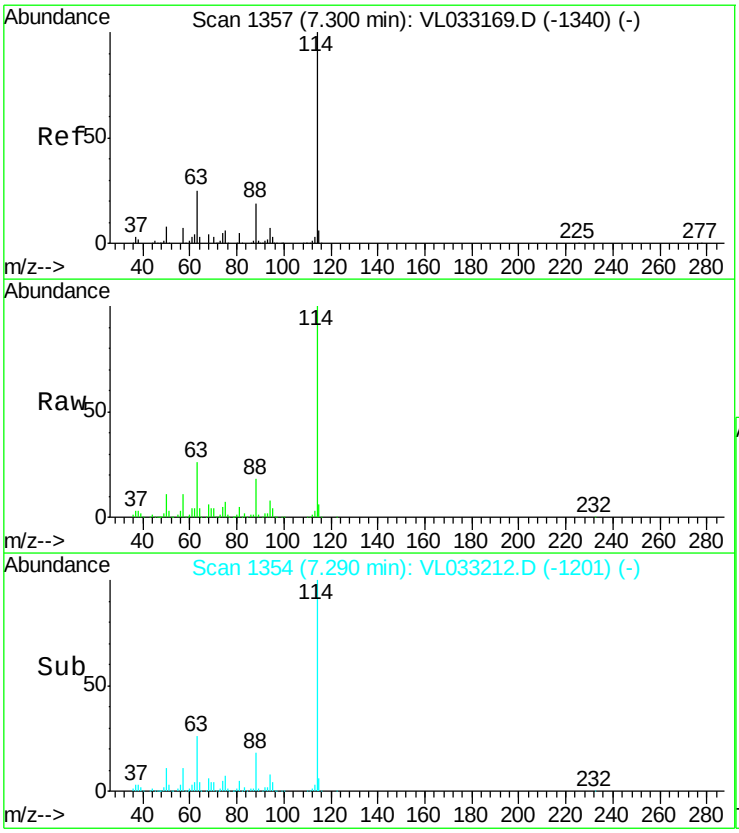


#32
1,1,1-Trichloroethane
Concen: 32.484 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 97 Resp: 6141216

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.2
61	49.2	38.9	58.3

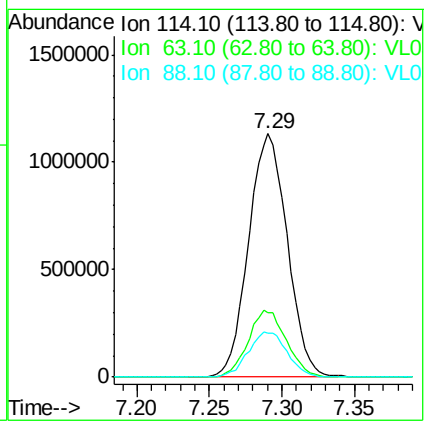


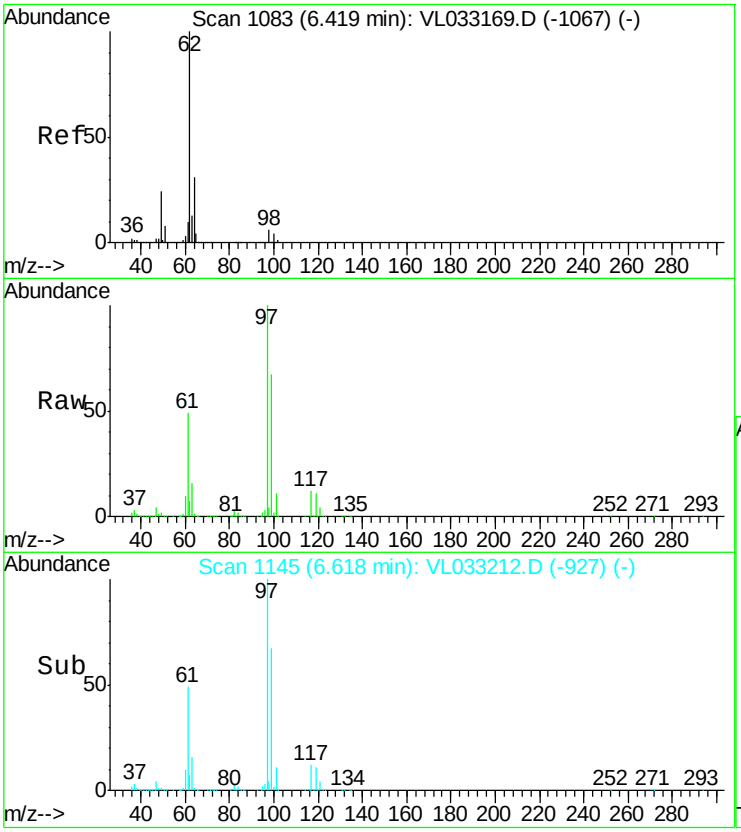


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

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

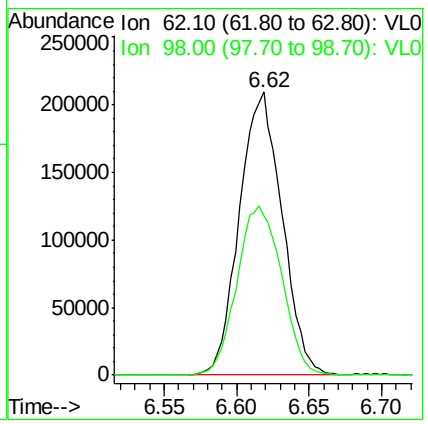


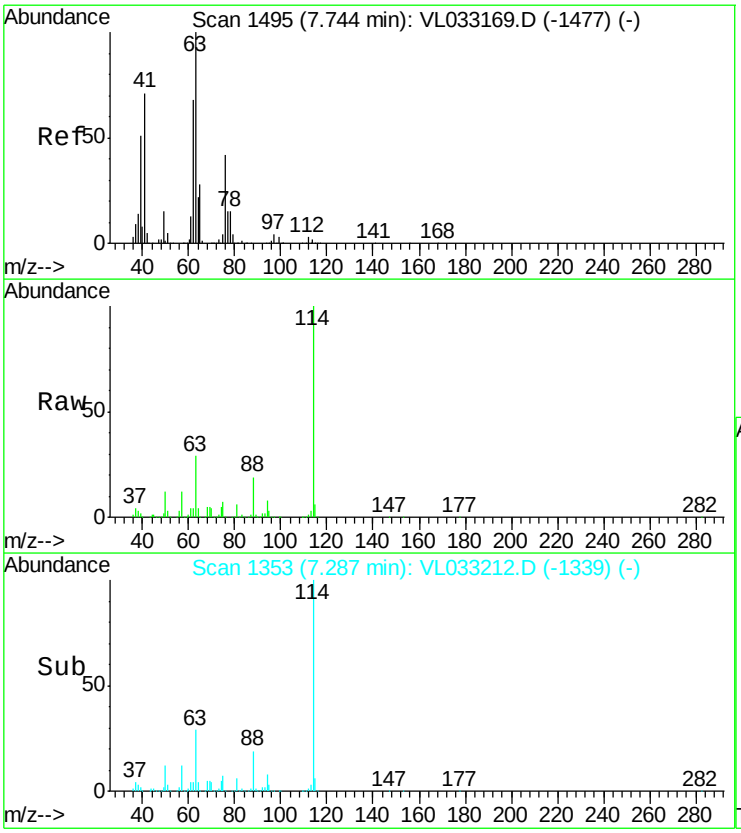


#37
1,2-Dichloroethane
Concen: 3.627 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. 0.20 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 62 Resp: 429186

Ion	Ratio	Lower	Upper
62	100		
98	62.8	4.7	7.1#

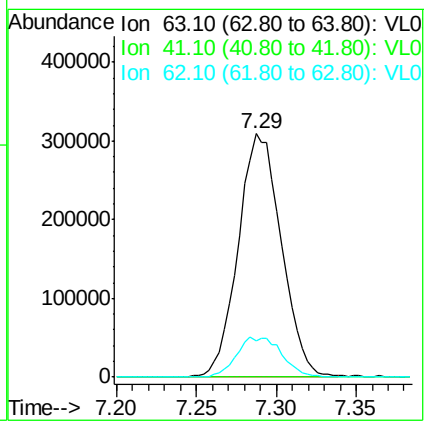


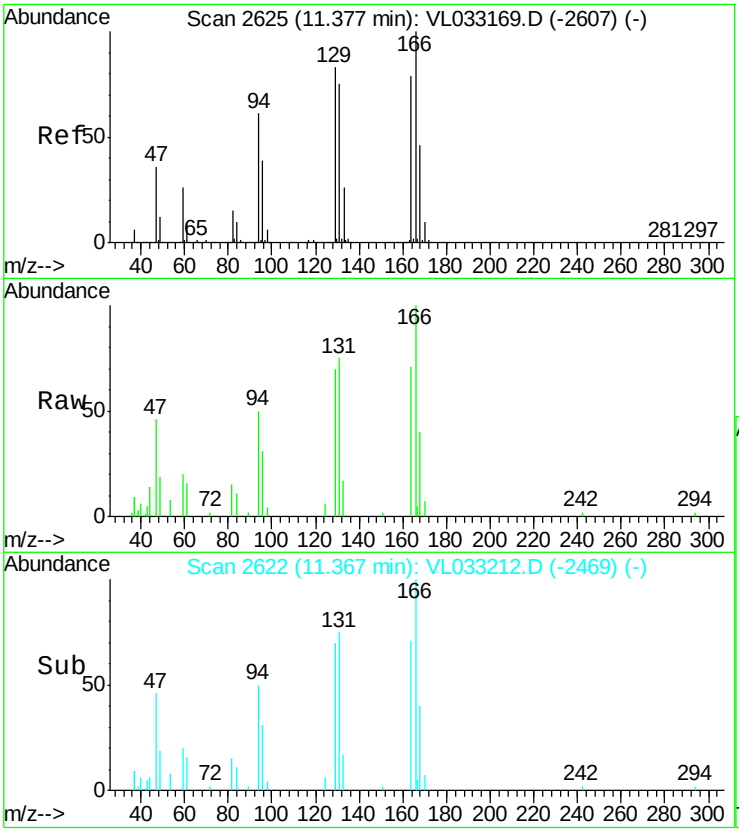


#39
1,2-Dichloropropane
Concen: 6.726 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.46 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 63 Resp: 567184

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.4	84.6#
62	14.6	54.2	81.4#

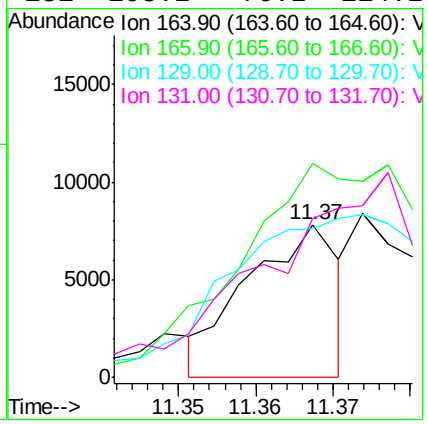


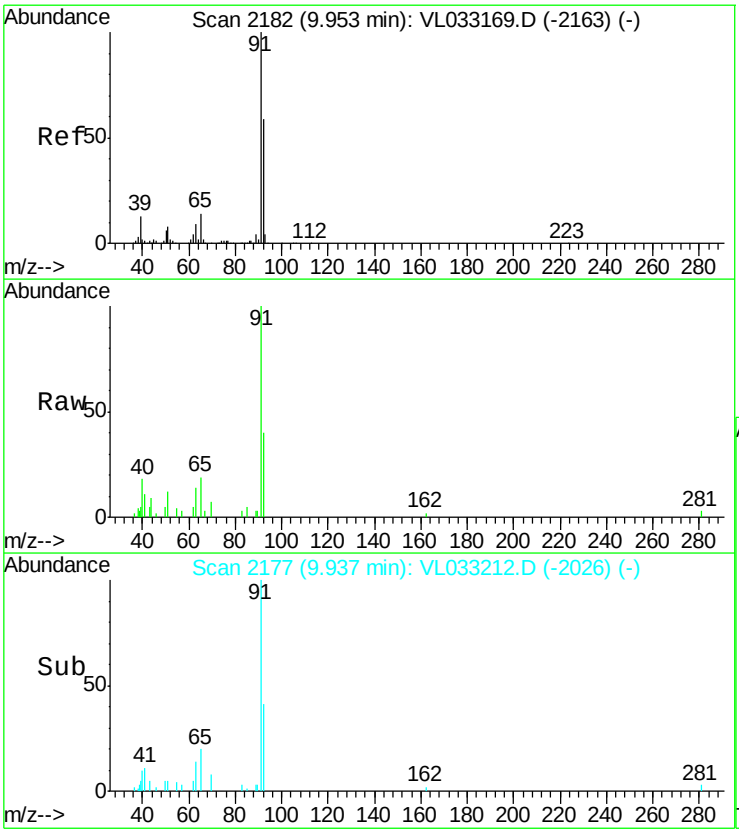


#52
Tetrachloroethene
Concen: 0.078 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion:164 Resp: 6394

Ion	Ratio	Lower	Upper
164	100		
166	131.8	100.9	151.3
129	95.7	83.9	125.9
131	103.2	76.2	114.2

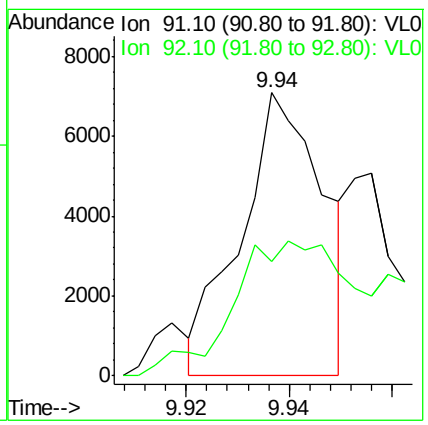


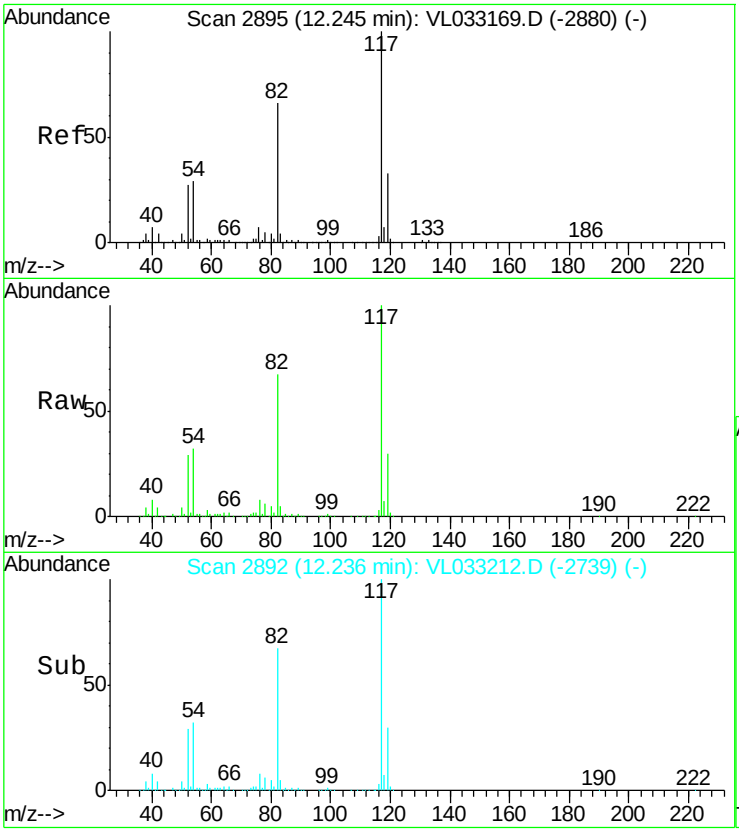


#53
Toluene
Concen: 0.031 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.02 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 91 Resp: 7823

Ion	Ratio	Lower	Upper
91	100		
92	87.6	48.0	72.0#

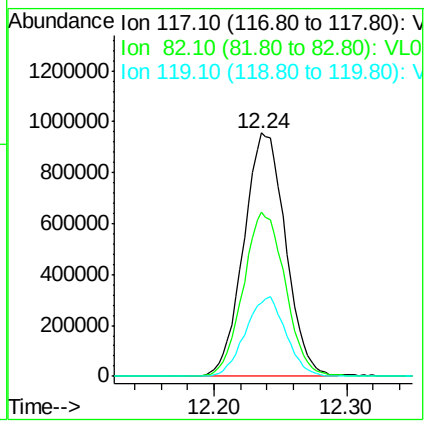


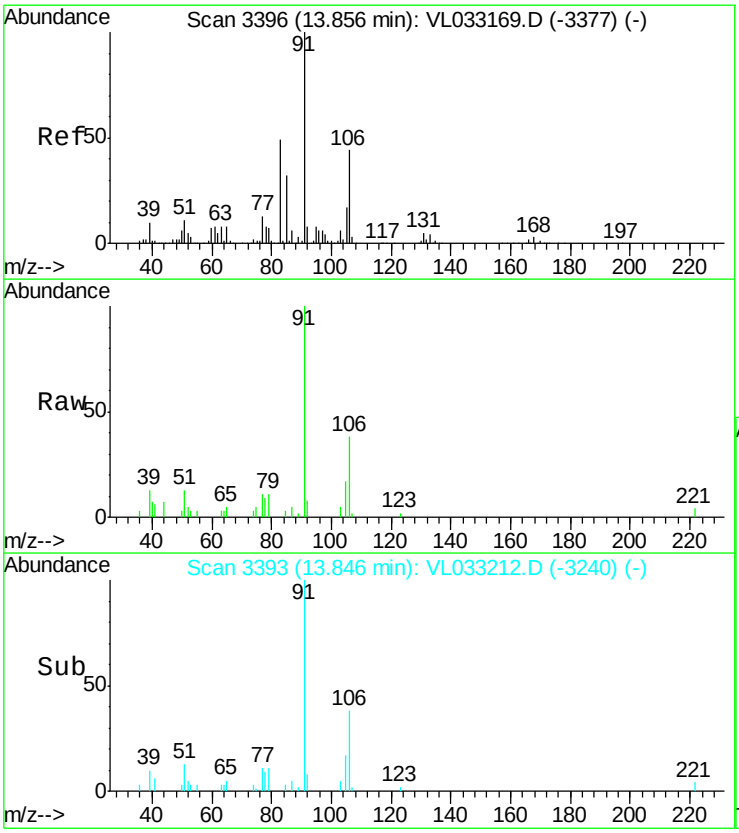


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion:117 Resp: 2104678

Ion	Ratio	Lower	Upper
117	100		
82	67.9	49.5	74.3
119	31.8	24.4	36.6

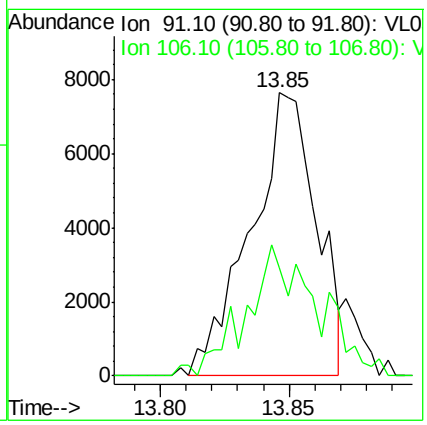


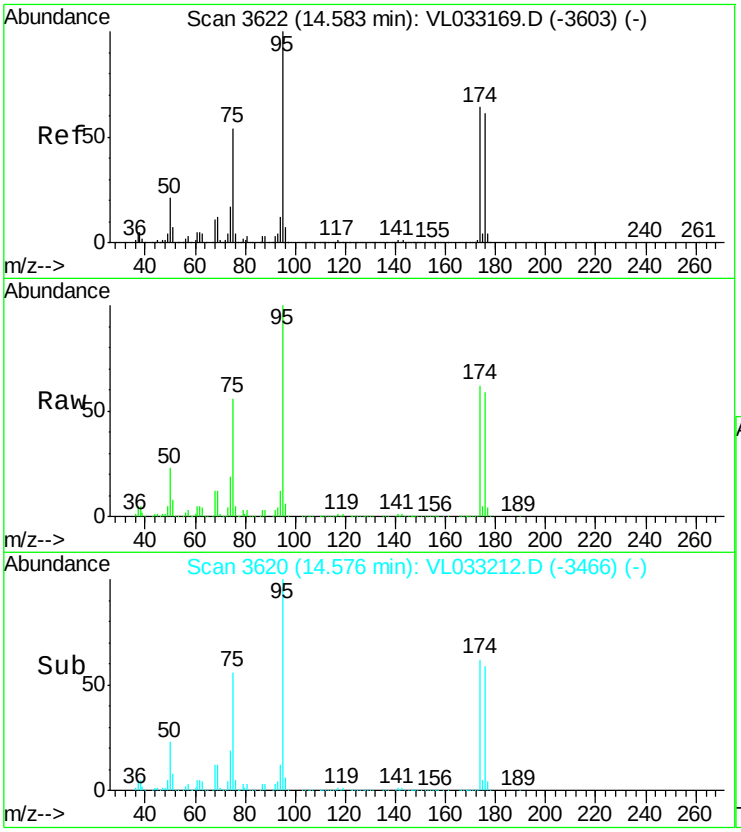


#60
o-Xylene
Concen: 0.049 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion: 91 Resp: 13523

Ion	Ratio	Lower	Upper
91	100		
106	50.4	21.8	65.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.414 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	51.2	76.8
175	4.5	3.8	5.6