Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030619\

Quantitation Report (Not Reviewed)

Data File : VL033253.D
Acq On : 6 Mar 2019 12:20
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 04:33:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 08:43:44 2019
QLast Update : Wed Mar 06 08:43:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	875530	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1903366	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2101083	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1656883	10.39	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	78917	0.638	ppbv		95
3) Chlorodifluoromethane	3.02	51	47136	0.470	ppbv		97
4) Chloromethane	3.18	50	23251	0.451	ppbv		95
5) Vinyl Chloride	3.30	62	22009	0.381	ppbv		95
6) Bromomethane	3.52	94	14619	0.442	ppbv		91
7) Chloroethane	3.61	64	7741	0.401	ppbv		89
8) Dichlorotetrafluoroethane	3.22	85	57409	0.470	ppbv		97
9) Propene	3.04	41	20159	0.451	ppbv		100
10) Heptane	8.25	43	44897	0.370	ppbv		97
11) Trichlorofluoromethane	4.01	101	64227	0.442	ppbv		90
12) 1,1,2-Trichlorotrifluoroet	4.56	101	42209	0.448	ppbv		99
13) Ethanol	3.67	45	6883	0.516	ppbv		77
14) Bromoethene	3.80	108	15240	0.384	ppbv		92
15) Acetone	3.92	43	57686	0.512	ppbv		99
16) 1,3-Butadiene	3.37	39	17649	0.392	ppbv		90
17) tert-Butyl alcohol	4.36	59	553	0.030	ppbv	#	74
18) 1,1-Dichloroethene	4.35	96	8961	0.214	ppbv		84
19) Isopropyl Alcohol	4.05	45	31300	0.467	ppbv	#	95
20) Methylene Chloride	4.41	84	21675	0.508	ppbv		87
21) Allyl Chloride	4.48	41	25617	0.407	ppbv		98
22) trans-1,2-Dichloroethene	4.96	96	18536	0.433	ppbv		98
23) Vinyl Acetate	5.16	43	58065	0.349	ppbv	#	96
24) 1,1-Dichloroethane	5.09	63	48454	0.409	ppbv		99
25) Ethyl Acetate	5.78	43	85789	0.415	ppbv		98
26) Hexane	5.79	57	40473	0.419	ppbv		94
27) Carbon Disulfide	4.62	76	34432	0.370	ppbv	#	83
28) Methyl tert-Butyl Ether	5.13	73	47846	0.359	ppbv		97
29) Chloroform	5.85	83	61565	0.410	ppbv	#	83
30) Cyclohexane	7.25	84	26408	0.365	ppbv		89
31) cis-1,2-Dichloroethene	5.64	61	35469	0.380	ppbv		97
32) 1,1,1-Trichloroethane	6.62	97	56039	0.385	ppbv		96
34) 2-Butanone	5.34	43	51051	0.387	ppbv		99
35) Carbon Tetrachloride	7.13	117	56703	0.394	ppbv		98
36) Benzene	7.00	78	71216	0.399	ppbv	#	91
37) 1,2-Dichloroethane	6.41	62	46596	0.419	ppbv		99
38) Trichloroethene	7.96	130	26777	0.397	ppbv	#	83
39) 1,2-Dichloropropane	7.73	63	29233	0.419	ppbv	#	85
40) 1,4-Dioxane	8.00	88	2578	0.100	ppbv	#	1
41) Tetrahydrofuran	6.18	42	25226	0.348	ppbv		99
42) Bromodichloromethane	7.92	83	22823	0.145	ppbv		99
43) Methyl Methacrylate	8.14	69	14671	0.203	ppbv	#	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030619\

Quantitation Report (Not Reviewed)

Data File : VL033253.D
Acq On : 6 Mar 2019 12:20
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 04:33:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 08:43:44 2019
QLast Update : Wed Mar 06 08:43:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	120186	0.380 ppbv		94
45) t-1,3-Dichloropropene	9.40	75	6725	0.077 ppbv		97
46) cis-1,3-Dichloropropene	8.83	75	20838	0.200 ppbv		87
47) 1,1,2-Trichloroethane	9.61	97	22337	0.298 ppbv		97
48) Dibromochloromethane	10.45	129	48649	0.400 ppbv		97
49) Bromoform	13.20	173	36042	0.371 ppbv		99
50) 4-Methyl-2-Pentanone	8.89	43	69670	0.357 ppbv		98
51) 2-Hexanone	10.29	43	48861	0.335 ppbv	#	95
52) Tetrachloroethene	11.36	164	11390	0.171 ppbv		89
53) Toluene	9.94	91	43237	0.209 ppbv	#	52
54) 1,2-Dibromoethane	10.76	107	27637	0.242 ppbv		92
56) 1,1,1,2-Tetrachloroethane	12.29	131	13383	0.147 ppbv	#	1
57) Chlorobenzene	12.30	112	71174	0.435 ppbv		95
58) Ethyl Benzene	12.87	91	107315	0.369 ppbv		93
59) m/p-Xylene	13.12	91	79085	0.319 ppbv	#	32
60) o-Xylene	13.85	91	95682	0.405 ppbv		95
61) Styrene	13.68	104	31216	0.188 ppbv	#	35
62) Isopropylbenzene	14.82	105	132502	0.402 ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.84	83	41542	0.247 ppbv	#	25
64) n-propylbenzene	15.73	120	24771	0.304 ppbv	#	37
65) tert-Butylbenzene	16.91	119	75221	0.268 ppbv	#	57
66) Benzyl Chloride	17.15	91	12621	0.116 ppbv	#	67
67) sec-Butylbenzene	17.45	105	156436	0.390 ppbv		99
69) p-Isopropyltoluene	17.82	119	119285	0.368 ppbv		96
70) n-Butylbenzene	18.72	91	133352	0.376 ppbv		99
71) 2-Chlorotoluene	15.61	91	95275	0.379 ppbv		98
72) 4-Ethyltoluene	16.00	105	94501	0.366 ppbv	#	94
73) 1,3,5-Trimethylbenzene	16.16	105	94914	0.383 ppbv		94
74) 1,2,4-Trimethylbenzene	16.92	105	58859	0.226 ppbv		99
75) 1,3-Dichlorobenzene	17.17	146	66450	0.436 ppbv		98
76) 1,4-Dichlorobenzene	17.31	146	40624	0.269 ppbv	#	62
77) 1,2-Dichlorobenzene	17.98	146	30124	0.204 ppbv	#	18
78) Hexachloro-1,3-Butadiene	23.54	225	21271	0.203 ppbv	#	18
79) Naphthalene	22.42	128	54898	0.172 ppbv		98
80) Naphthalene,2-methyl-	25.13	142	13323	0.140 ppbv		97
81) 1,2,4-Trichlorobenzene	22.12	180	13369	0.084 ppbv	#	12

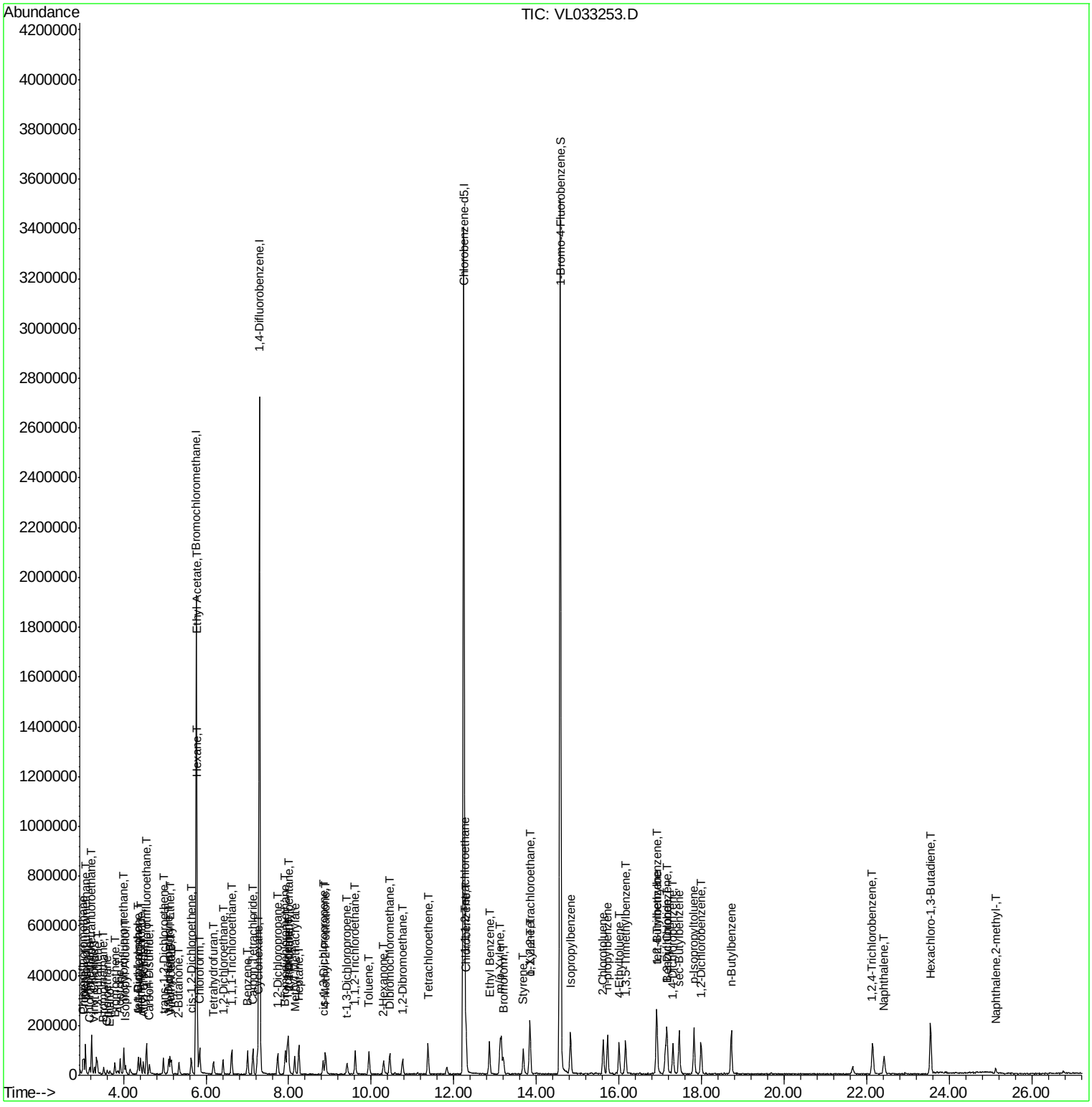
(#) = qualifier out of range (m) = manual integration (+) = signals summed

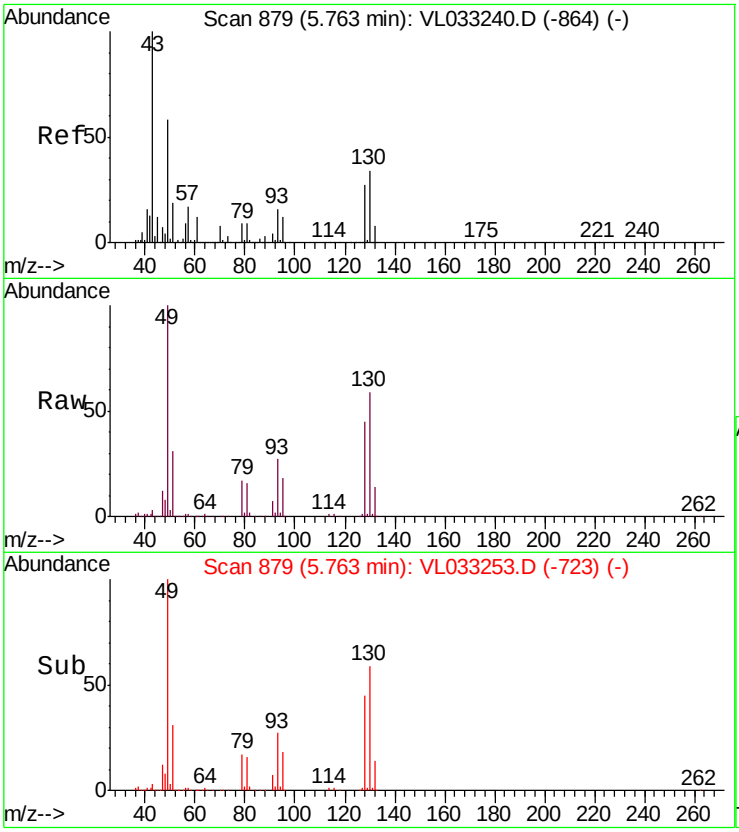
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030619\

Quantitation Report (Not Reviewed)

Data File : VL033253.D
Acq On : 6 Mar 2019 12:20
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 04:33:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 08:43:44 2019
QLast Update : Wed Mar 06 08:43:44 2019
Response via : Initial Calibration

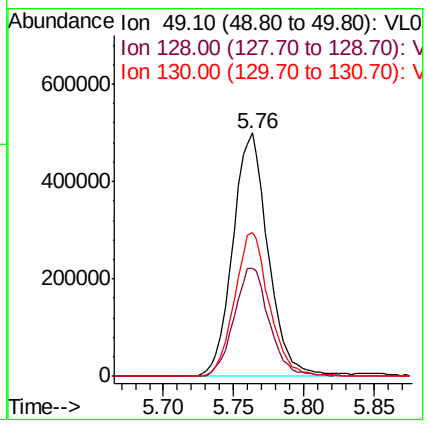


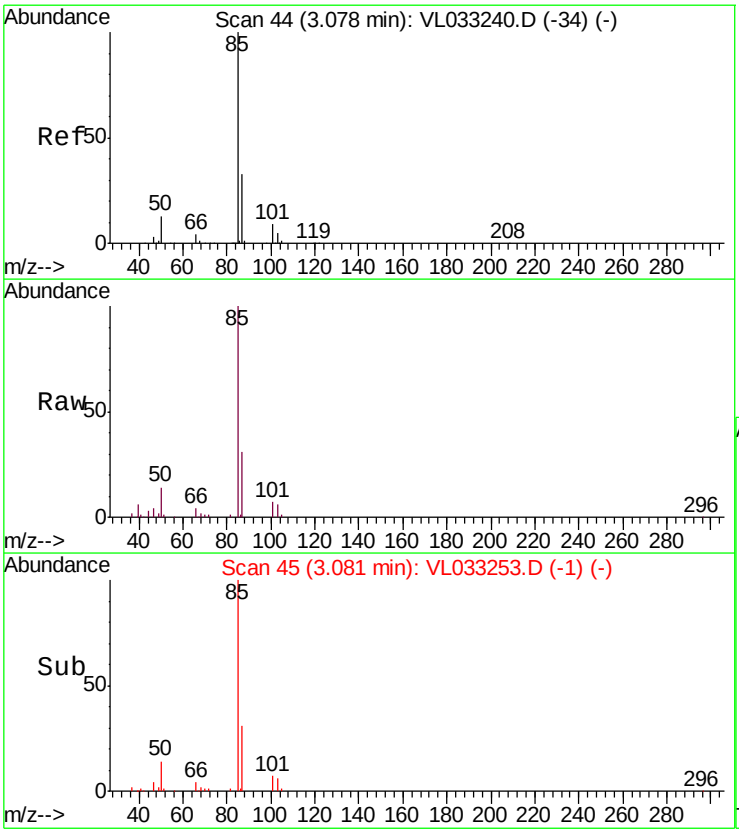


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 49 Resp: 875530

Ion	Ratio	Lower	Upper
49	100		
128	44.8	22.9	68.8
130	58.3	29.3	88.0

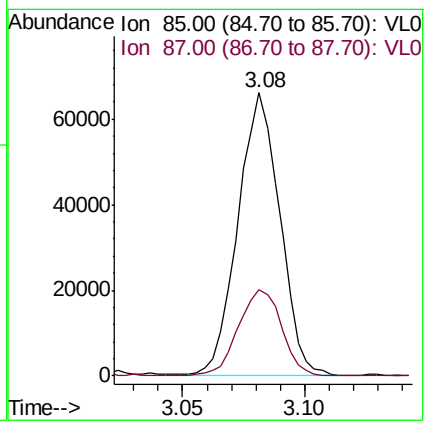


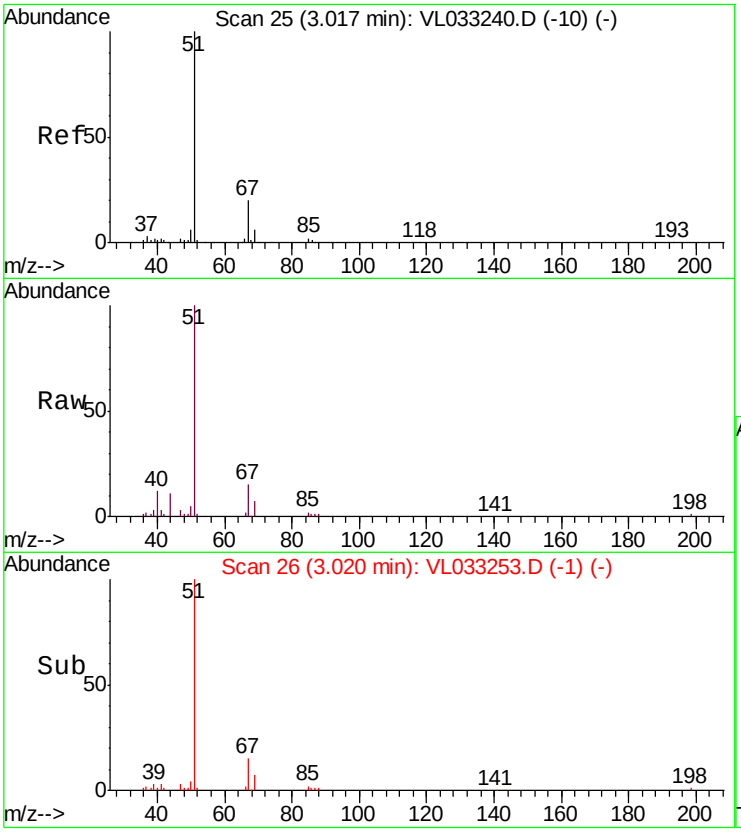


#2
Dichlorodifluoromethane
Concen: 0.638 ppbv
RT: 3.08 min Scan# 45
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 85 Resp: 78917

Ion	Ratio	Lower	Upper
85	100		
87	30.7	26.7	40.1

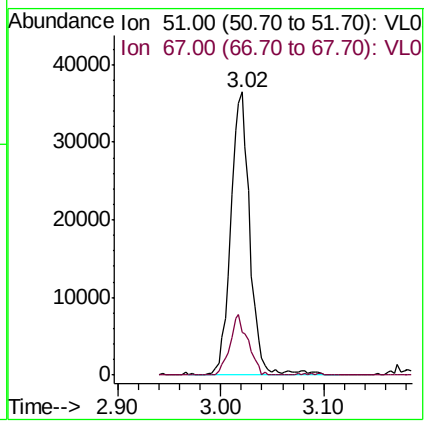


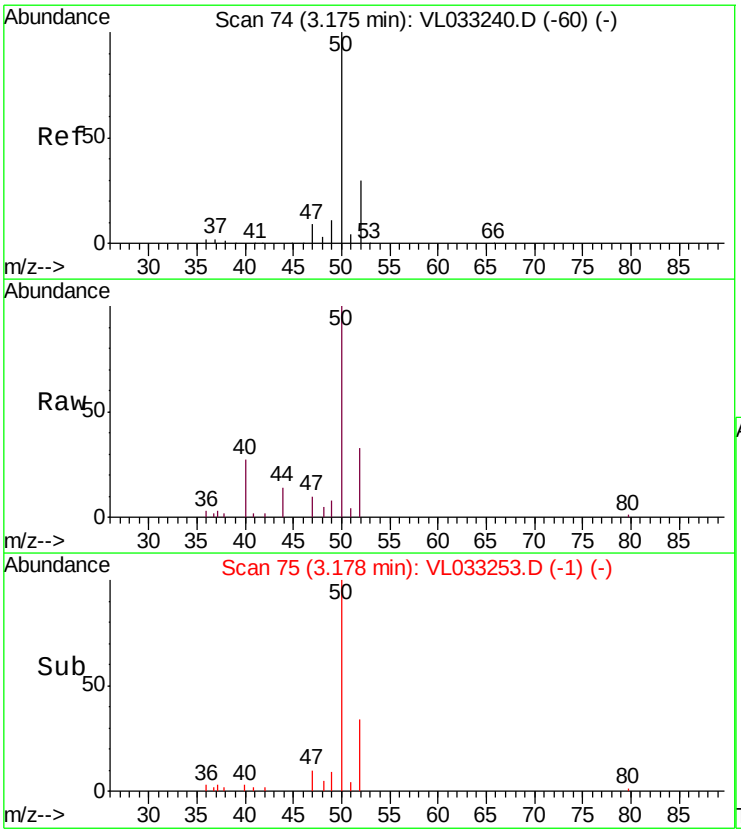


#3
Chlorodifluoromethane
Concen: 0.470 ppbv
RT: 3.02 min Scan# 26
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 51 Resp: 47136

Ion	Ratio	Lower	Upper
51	100		
67	20.0	15.0	22.4

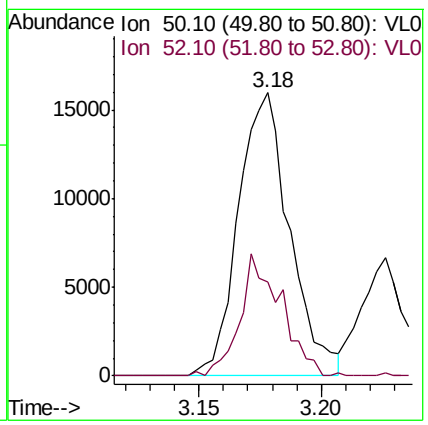


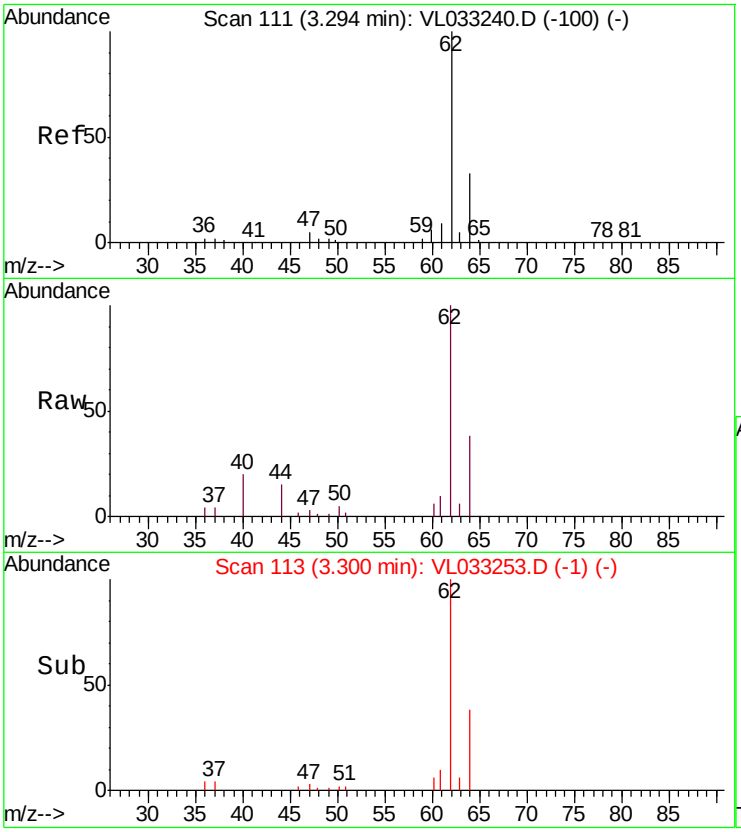


#4
Chloromethane
Concen: 0.451 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 50 Resp: 23251

Ion	Ratio	Lower	Upper
50	100		
52	33.3	24.3	36.5

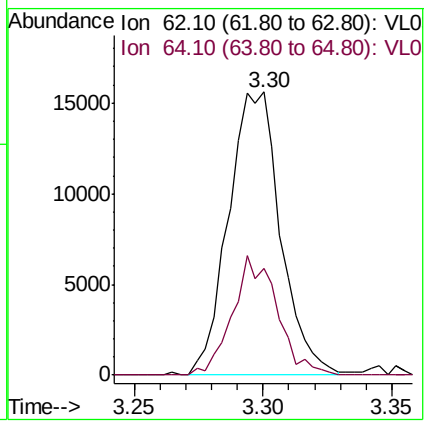


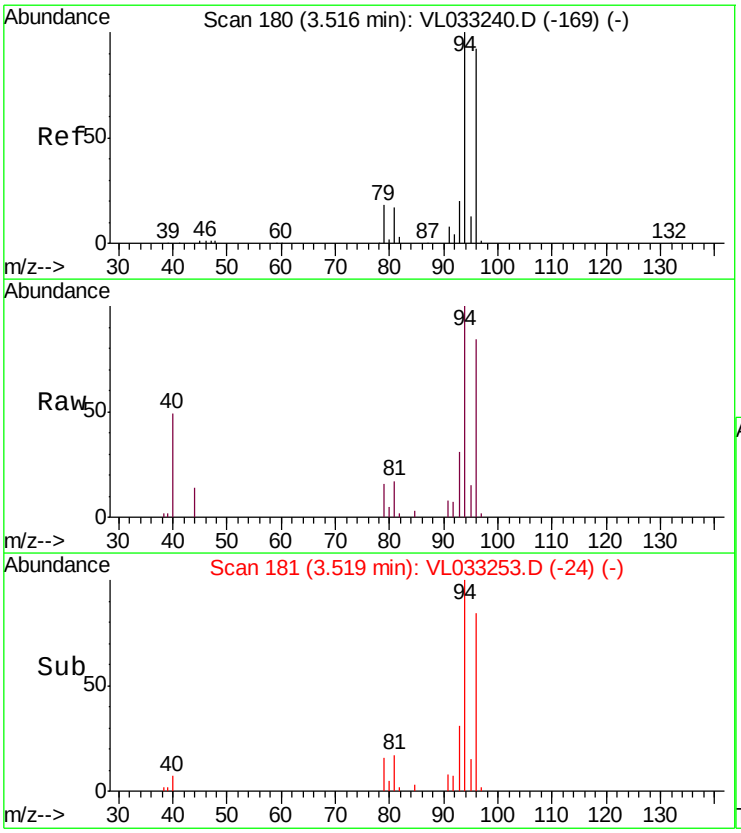


#5
Vinyl Chloride
Concen: 0.381 ppbv
RT: 3.30 min Scan# 113
Delta R.T. 0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 62 Resp: 22009

Ion	Ratio	Lower	Upper
62	100		
64	35.7	26.2	39.2

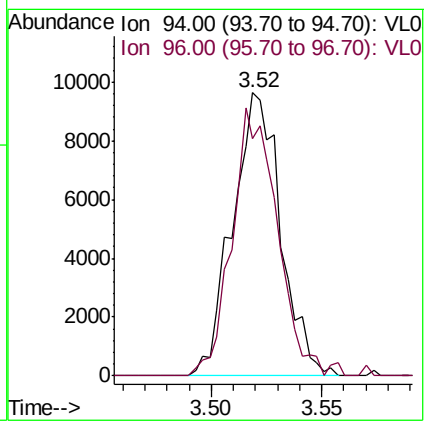


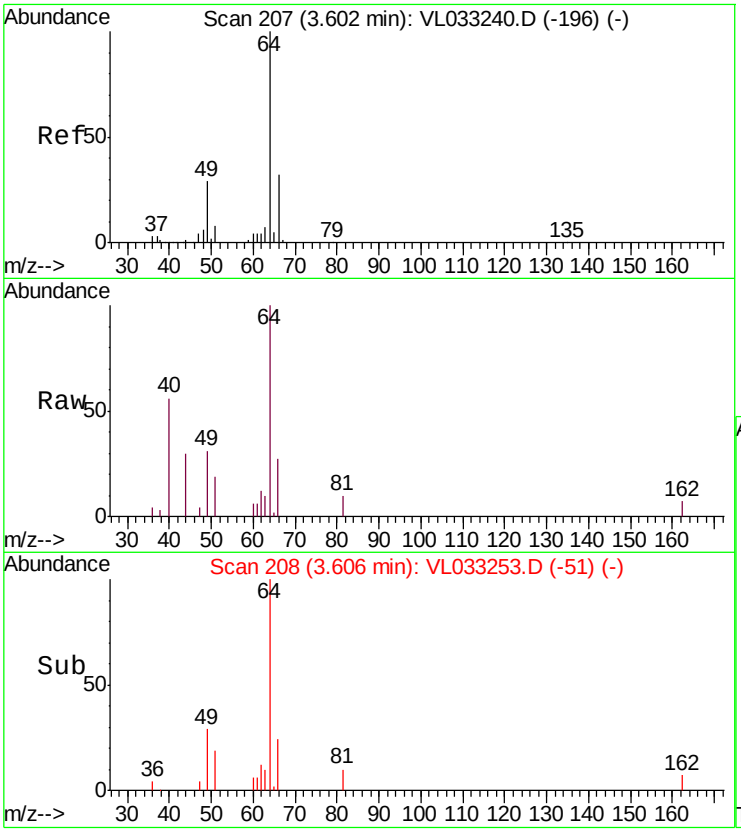


#6
Bromomethane
Concen: 0.442 ppbv
RT: 3.52 min Scan# 181
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 94 Resp: 14619

Ion	Ratio	Lower	Upper
94	100		
96	83.7	74.0	111.0

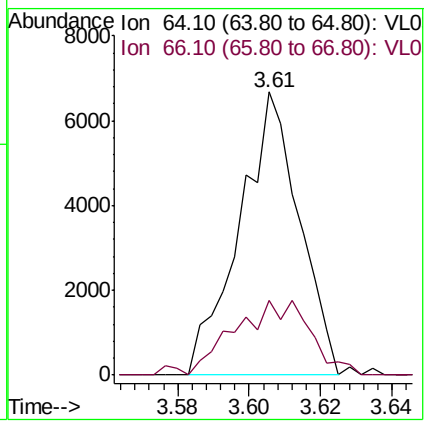


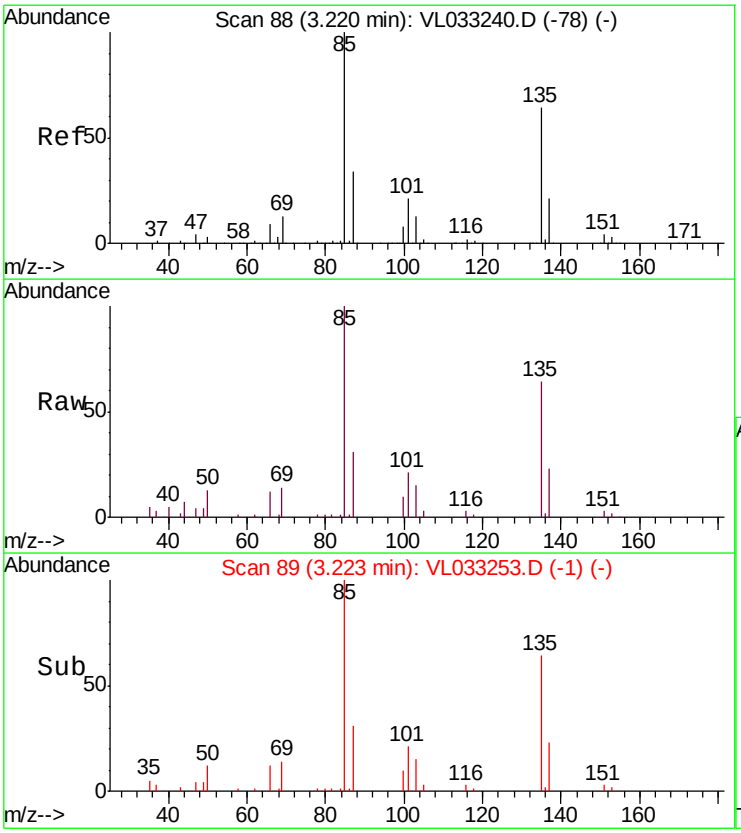


#7
Chloroethane
Concen: 0.401 ppbv
RT: 3.61 min Scan# 208
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 64 Resp: 7741

Ion	Ratio	Lower	Upper
64	100		
66	25.9	25.7	38.5

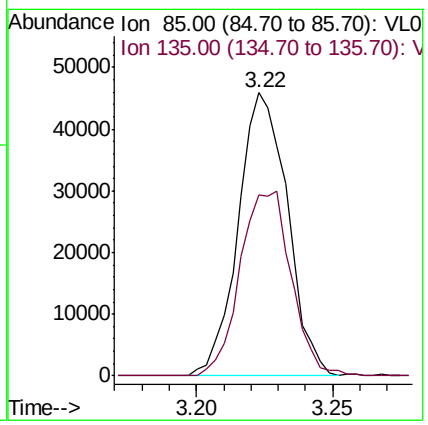


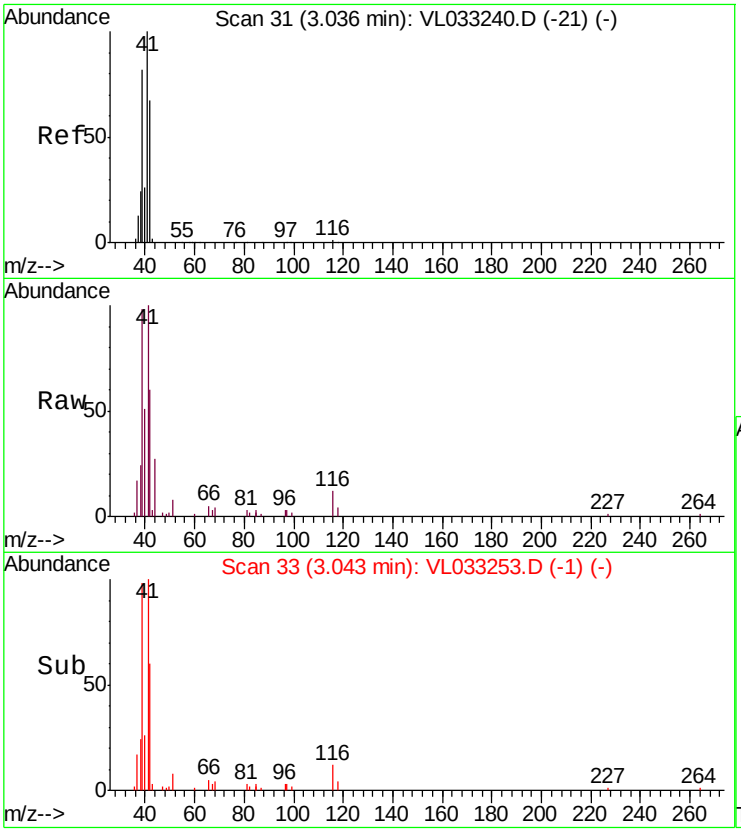


#8
Dichlorotetrafluoroethane
Concen: 0.470 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 85 Resp: 57409

Ion	Ratio	Lower	Upper
85	100		
135	67.8	52.6	79.0

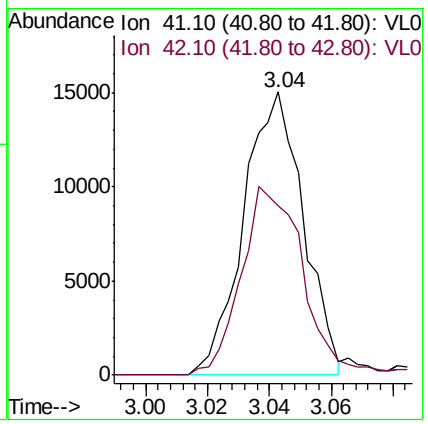


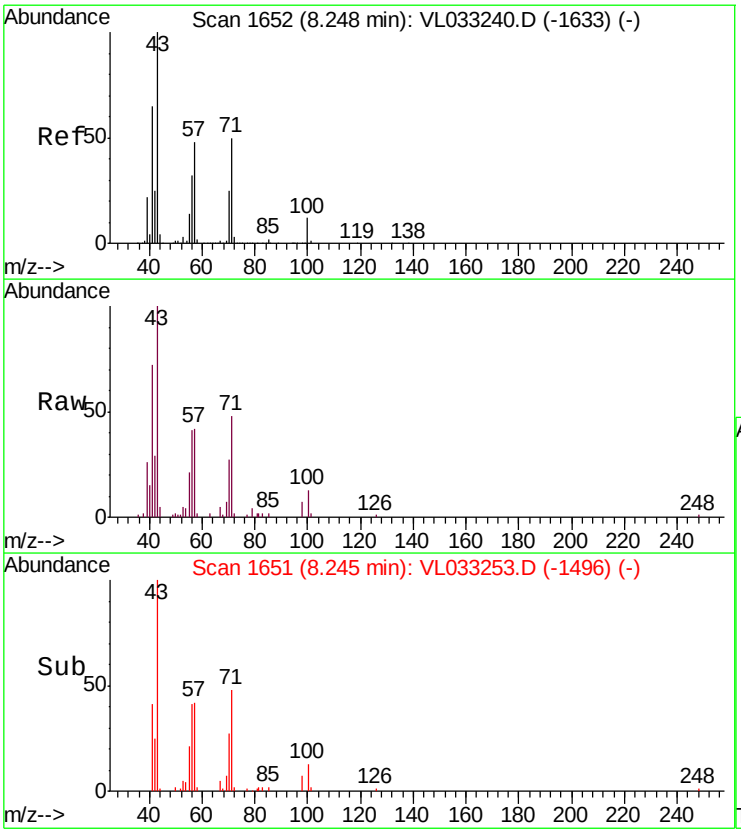


#9
Propene
Concen: 0.451 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 41 Resp: 20159

Ion	Ratio	Lower	Upper
41	100		
42	69.3	55.3	82.9

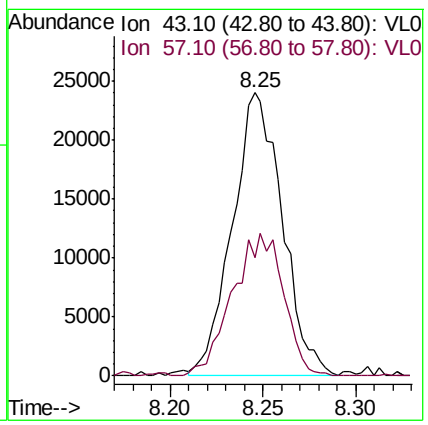


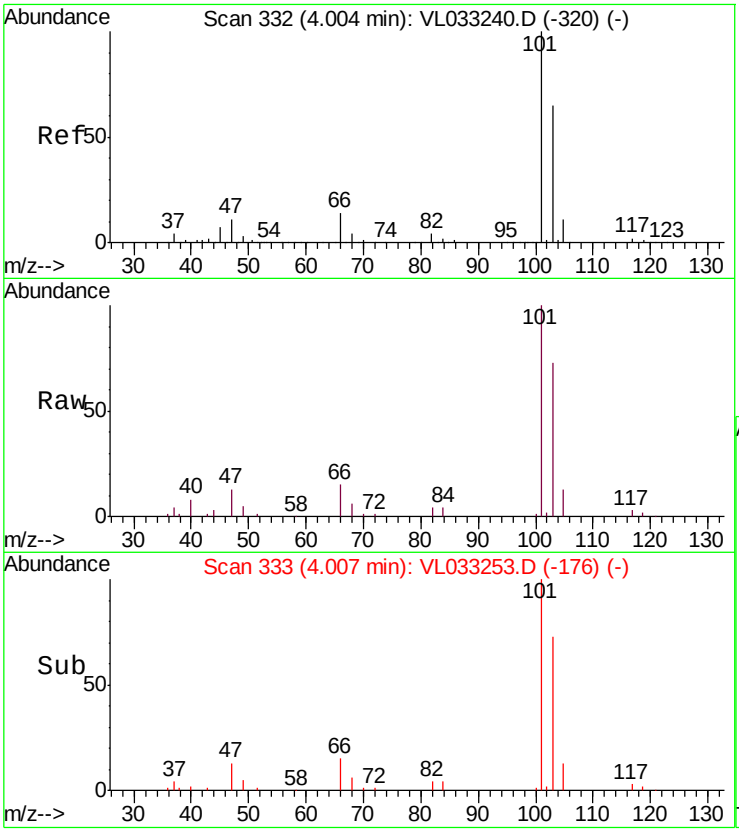


#10
Heptane
Concen: 0.370 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 43 Resp: 44897

Ion	Ratio	Lower	Upper
43	100		
57	51.7	39.8	59.6

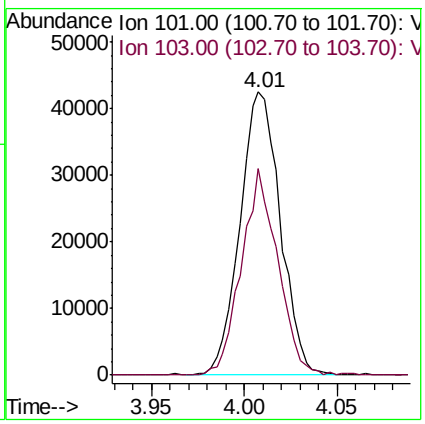


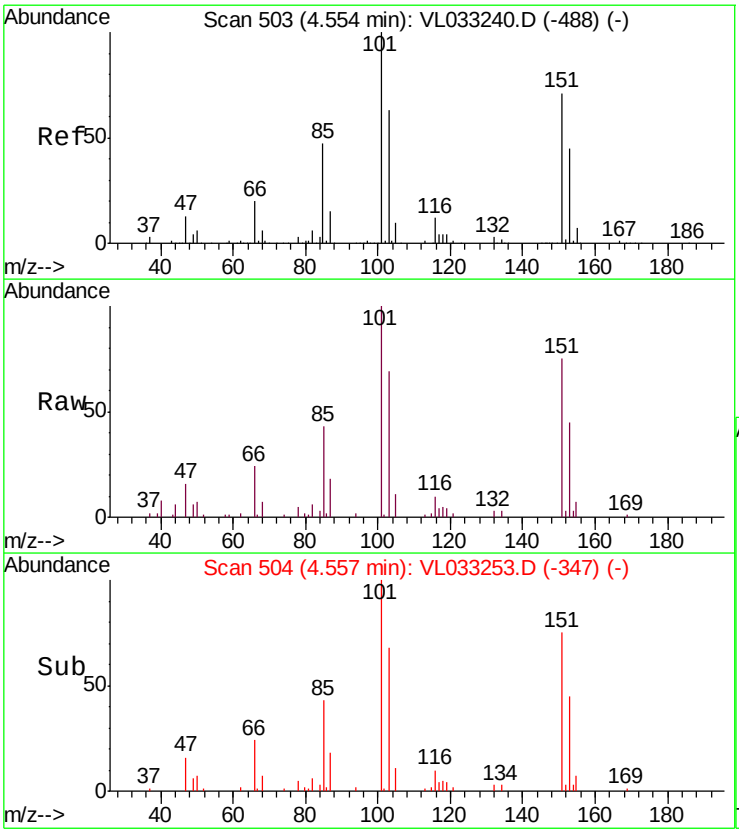


#11
Trichlorofluoromethane
Concen: 0.442 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:101 Resp: 64227

Ion	Ratio	Lower	Upper
101	100		
103	72.8	51.7	77.5

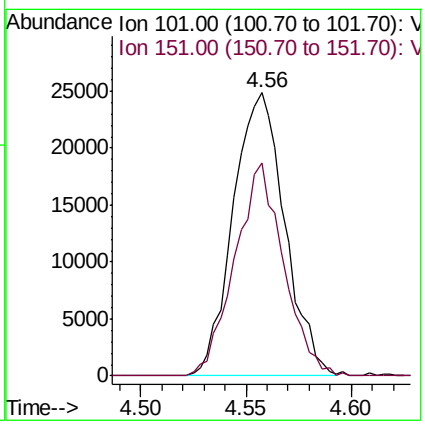


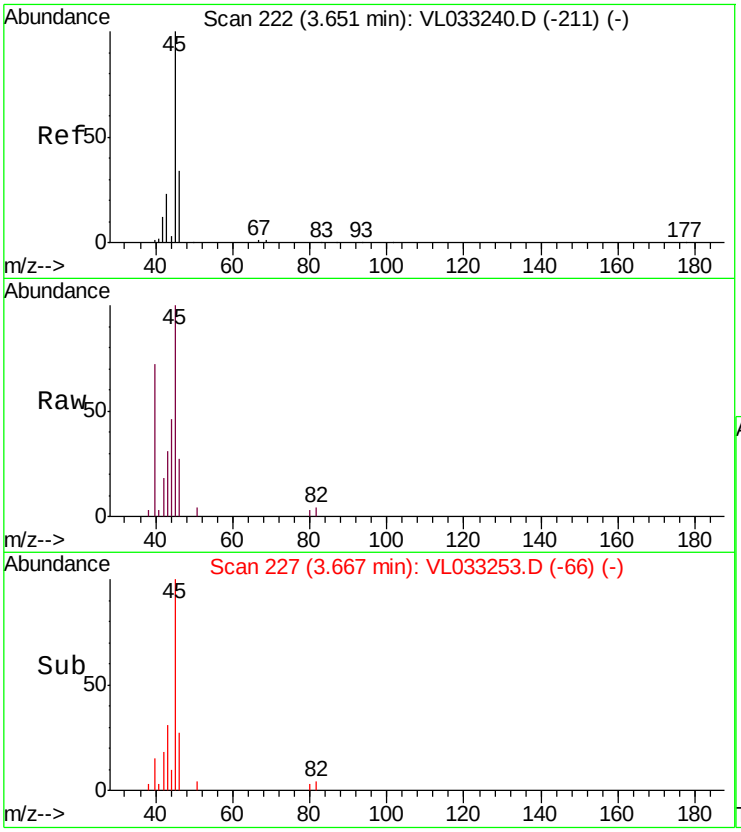


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.448 ppbv
RT: 4.56 min Scan# 504
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:101 Resp: 42209

Ion	Ratio	Lower	Upper
101	100		
151	70.8	57.0	85.6

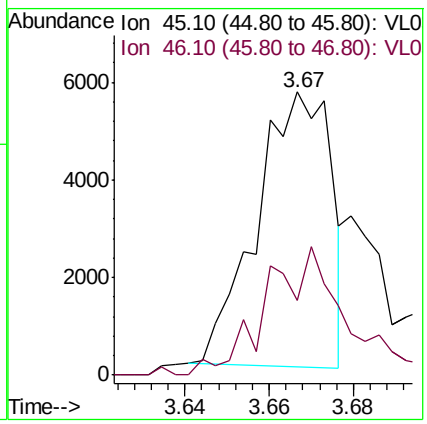


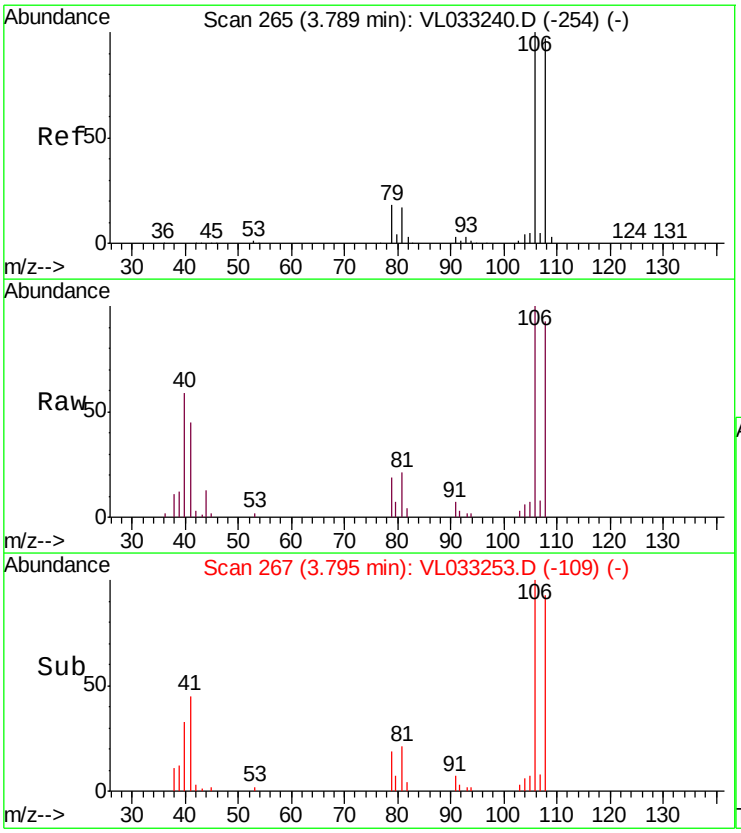


#13
Ethanol
Concen: 0.516 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.02 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 45 Resp: 6883

Ion	Ratio	Lower	Upper
45	100		
46	52.0	15.3	61.3

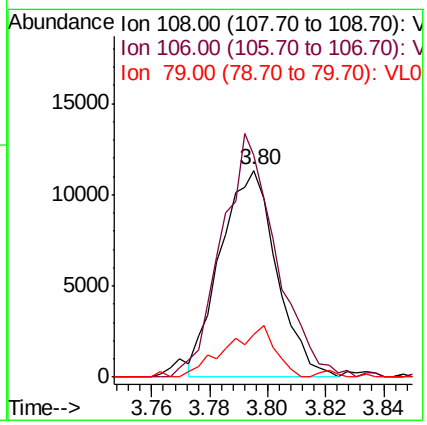


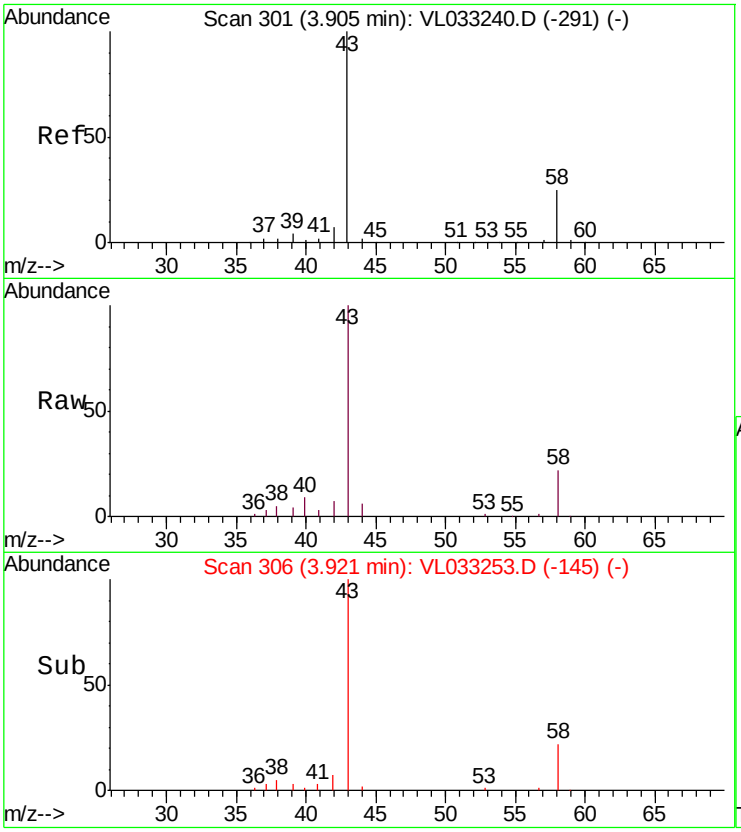


#14
Bromoethene
Concen: 0.384 ppbv
RT: 3.80 min Scan# 267
Delta R.T. 0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:108 Resp: 15240

Ion	Ratio	Lower	Upper
108	100		
106	115.3	85.5	128.3
79	22.7	15.3	22.9

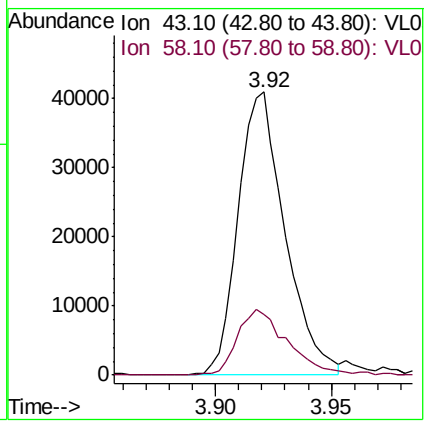


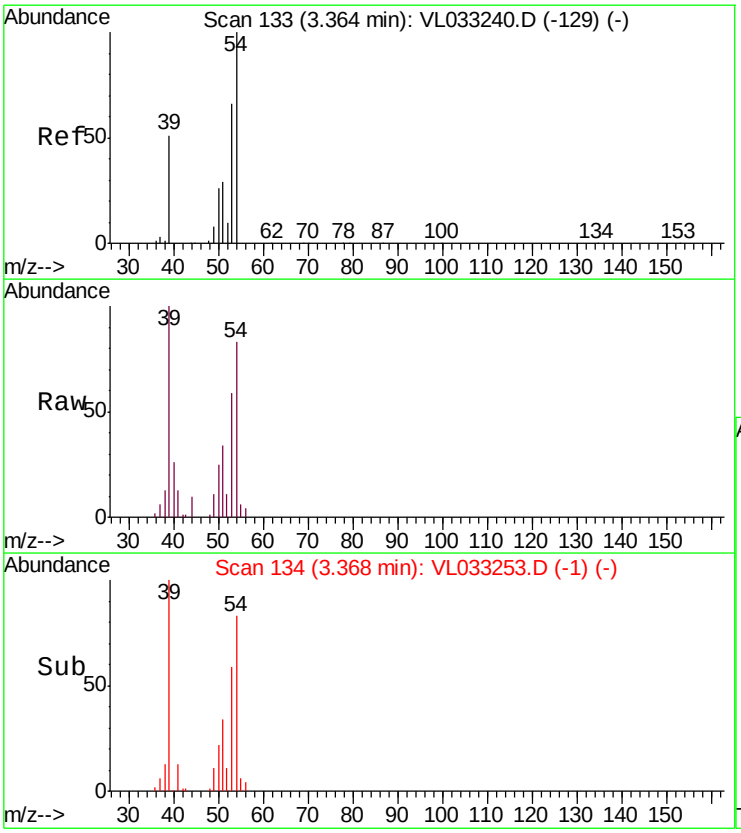


#15
Acetone
Concen: 0.512 ppbv
RT: 3.92 min Scan# 306
Delta R.T. 0.02 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 43 Resp: 57686

Ion	Ratio	Lower	Upper
43	100		
58	25.0	20.2	30.4

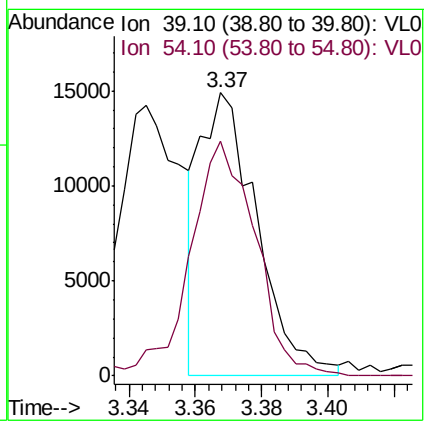


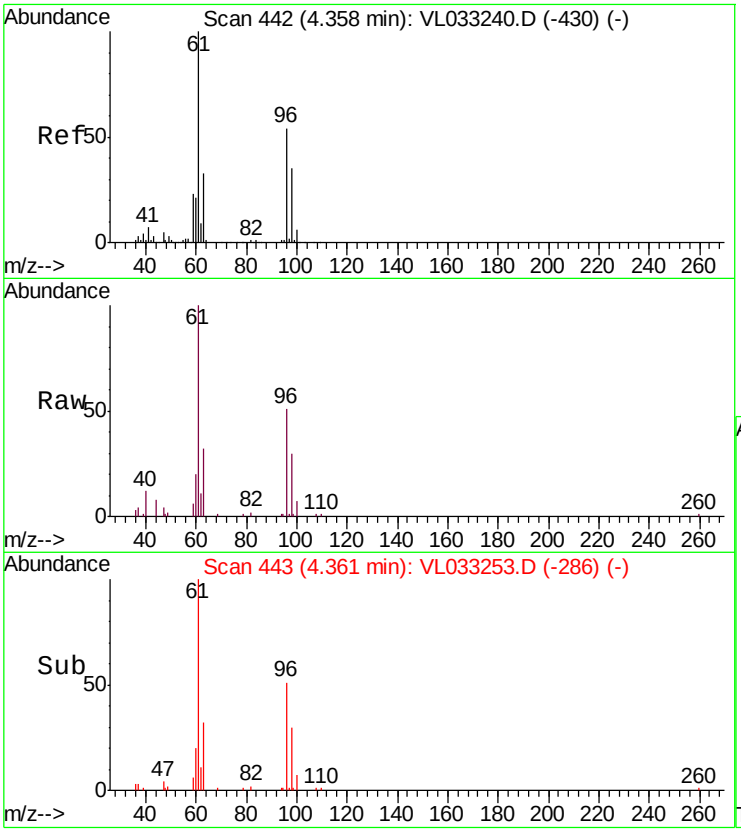


#16
1,3-Butadiene
Concen: 0.392 ppbv
RT: 3.37 min Scan# 134
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 39 Resp: 17649

Ion	Ratio	Lower	Upper
39	100		
54	95.9	69.6	104.4

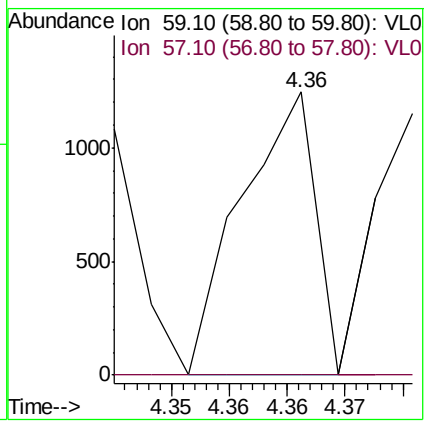


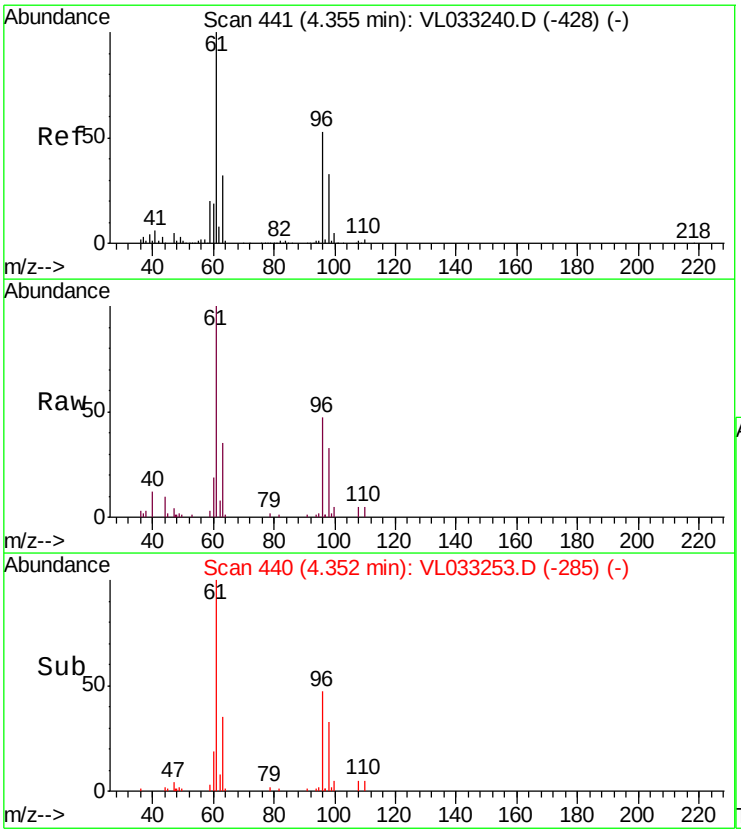


#17
tert-Butyl alcohol
Concen: 0.030 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 59 Resp: 553

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.5	11.3#

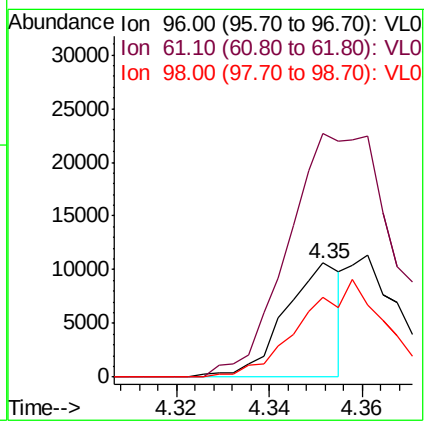


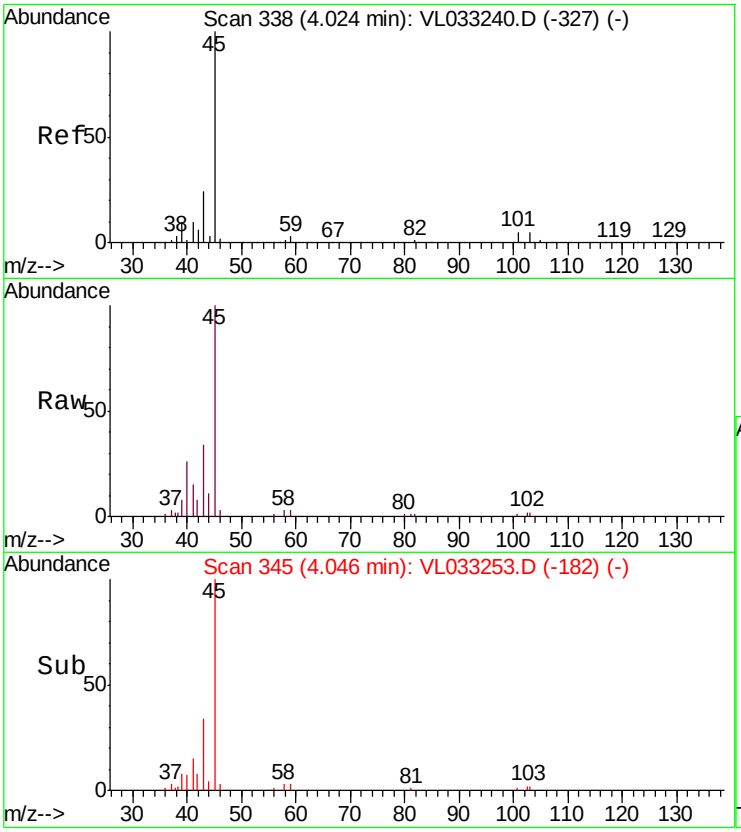


#18
1,1-Dichloroethene
Concen: 0.214 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 96 Resp: 8961

Ion	Ratio	Lower	Upper
96	100		
61	213.6	150.2	225.2
98	70.0	49.2	73.8

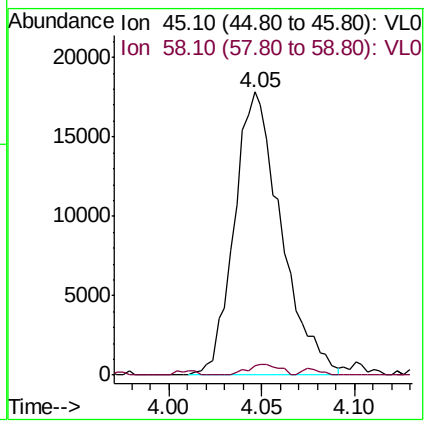


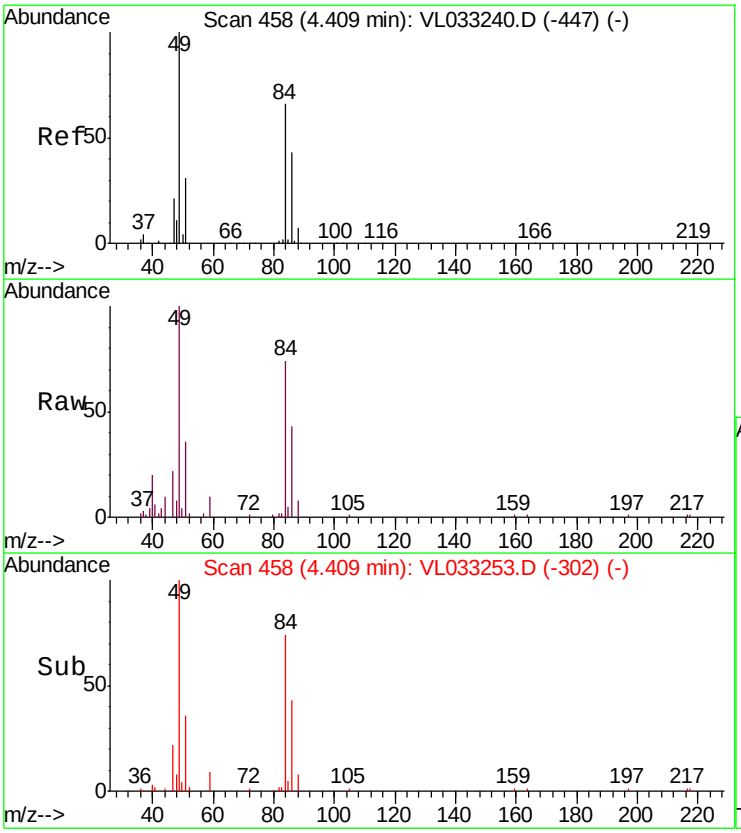


#19
Isopropyl Alcohol
Concen: 0.467 ppbv
RT: 4.05 min Scan# 345
Delta R.T. 0.02 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 45 Resp: 31300

Ion	Ratio	Lower	Upper
45	100		
58	3.5	1.4	2.0#

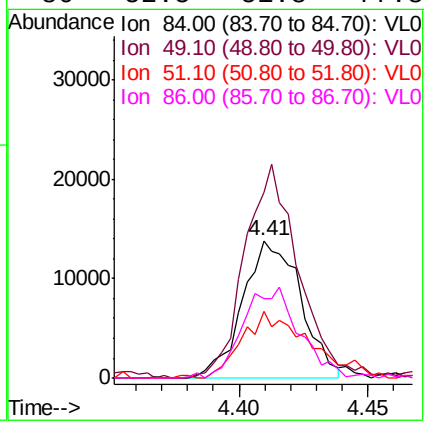


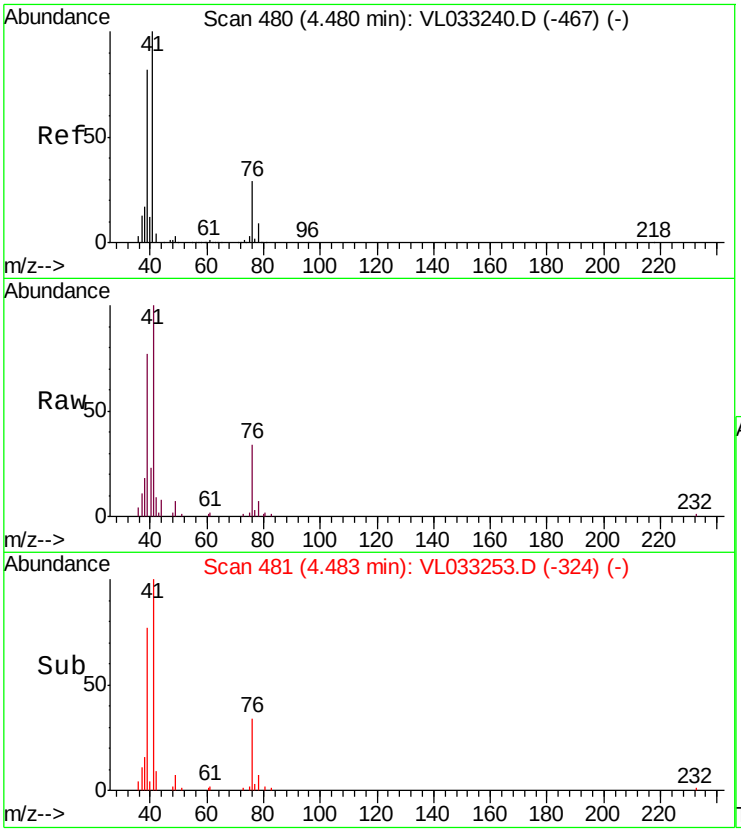


#20
Methylene Chloride
Concen: 0.508 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 84 Resp: 21675

Ion	Ratio	Lower	Upper
84	100		
49	130.6	120.4	180.6
51	43.6	36.7	55.1
86	52.5	51.8	77.8

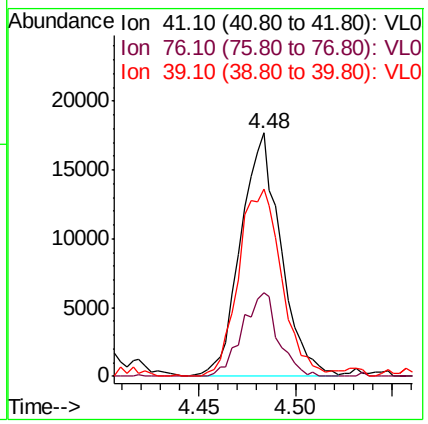


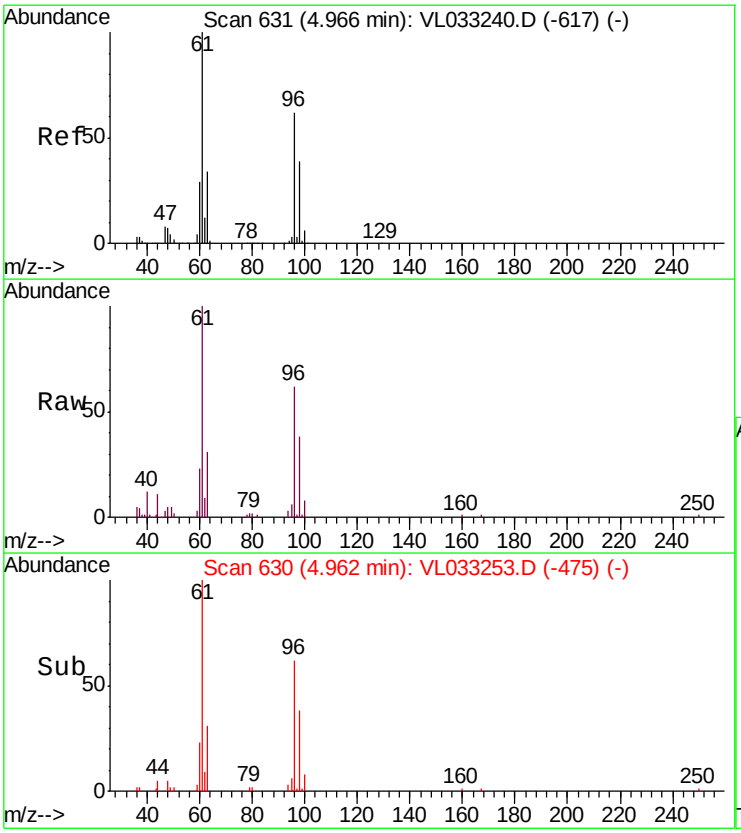


#21
Allyl Chloride
Concen: 0.407 ppbv
RT: 4.48 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 41 Resp: 25617

Ion	Ratio	Lower	Upper
41	100		
76	30.6	24.6	36.8
39	84.1	65.2	97.8

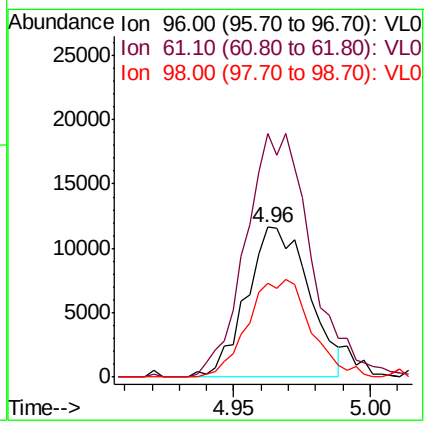


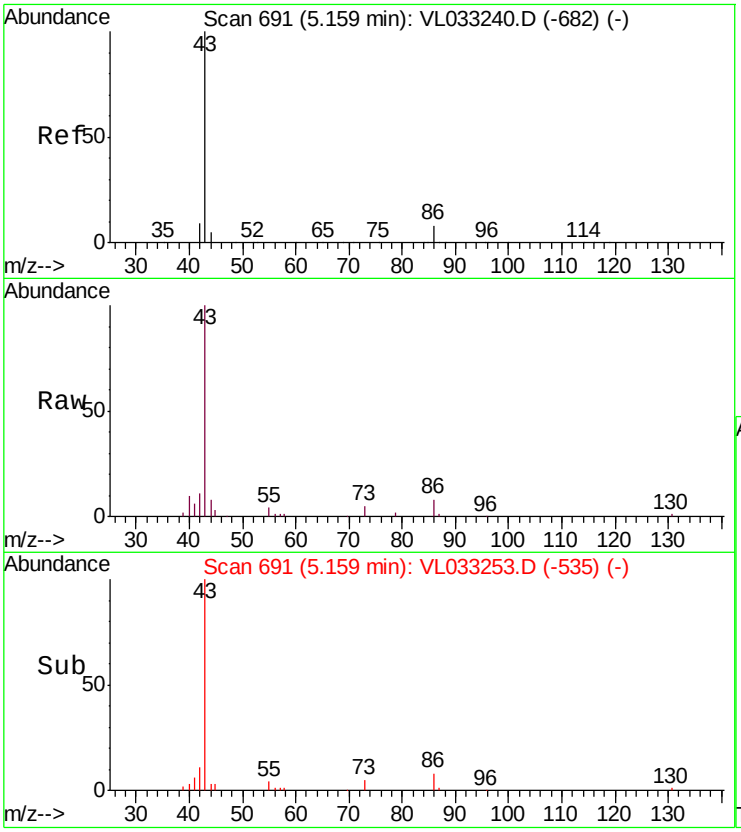


#22
trans-1,2-Dichloroethene
Concen: 0.433 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 96 Resp: 18536

Ion	Ratio	Lower	Upper
96	100		
61	162.5	128.3	192.5
98	64.5	50.6	75.8

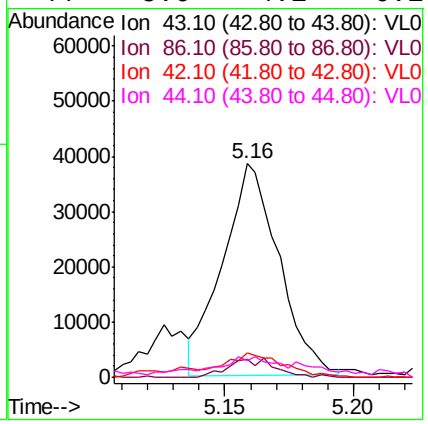


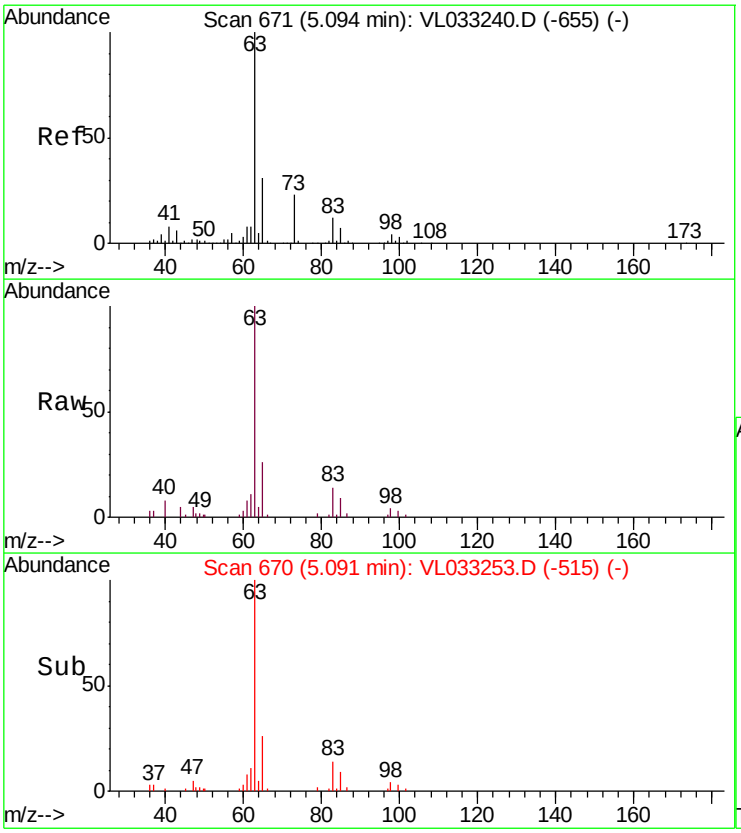


#23
Vinyl Acetate
Concen: 0.349 ppbv
RT: 5.16 min Scan# 691
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 43 Resp: 58065

Ion	Ratio	Lower	Upper
43	100		
86	8.9	5.5	8.3#
42	11.1	7.7	11.5
44	5.6	4.1	6.1

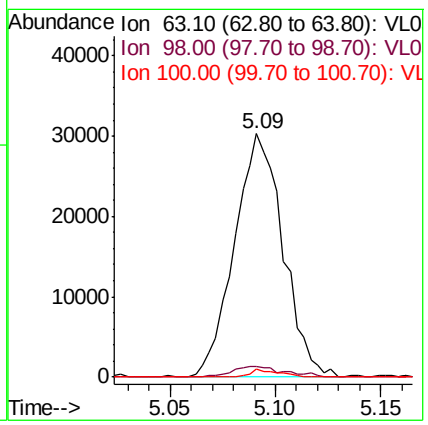


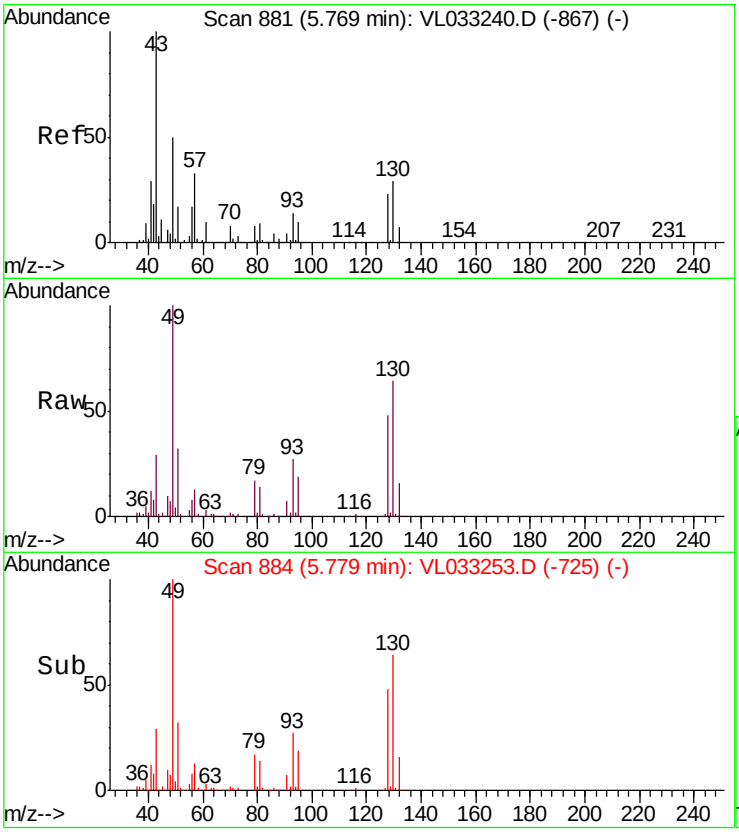


#24
1,1-Dichloroethane
Concen: 0.409 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 63 Resp: 48454

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.3
100	3.1	1.3	3.8

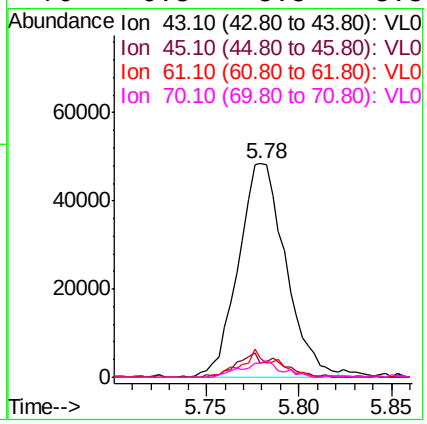


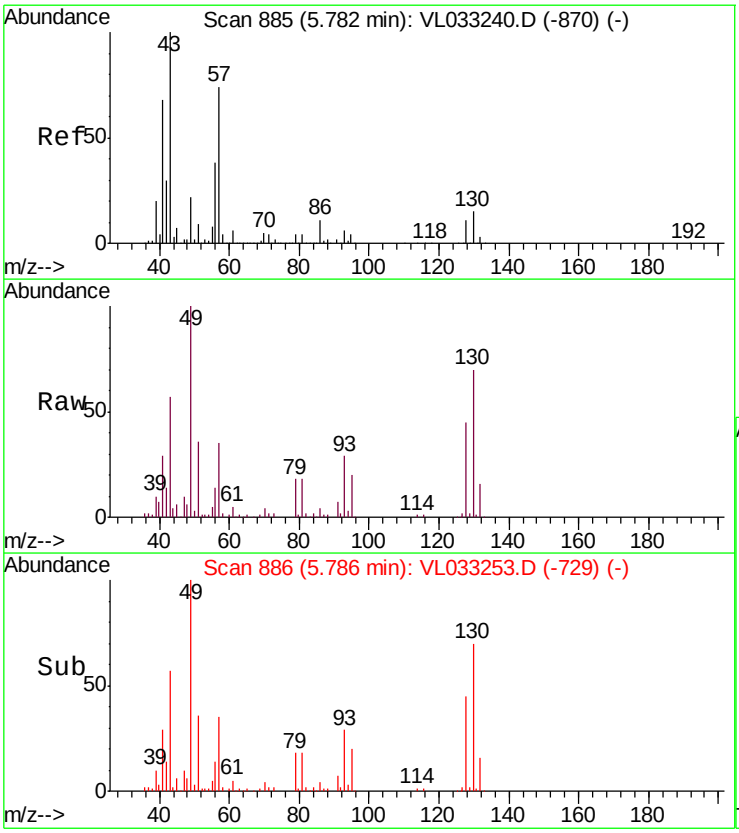


#25
Ethyl Acetate
Concen: 0.415 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 43 Resp: 85789

Ion	Ratio	Lower	Upper
43	100		
45	10.4	7.8	11.6
61	9.6	7.0	10.6
70	6.3	5.5	8.3

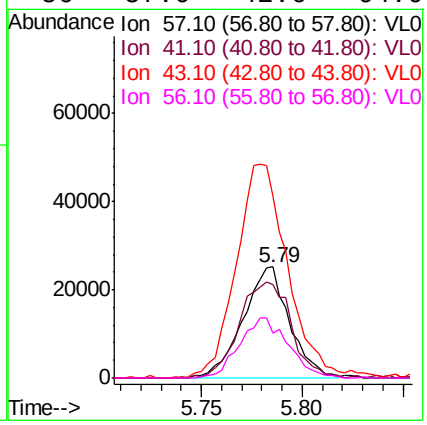


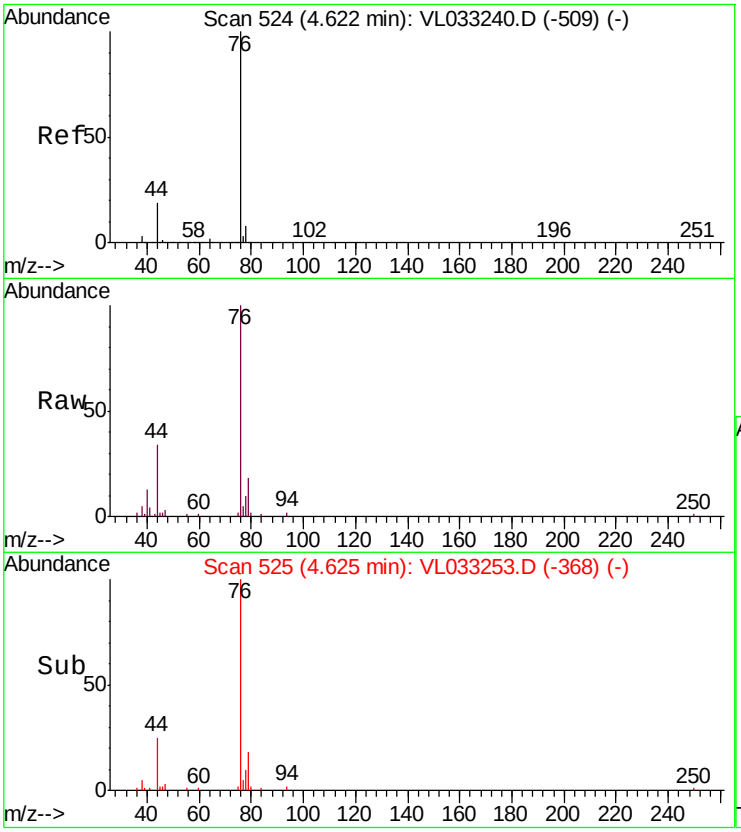


#26
Hexane
Concen: 0.419 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 57 Resp: 40473

Ion	Ratio	Lower	Upper
57	100		
41	97.1	73.4	110.2
43	216.6	182.1	273.1
56	57.0	42.6	64.0

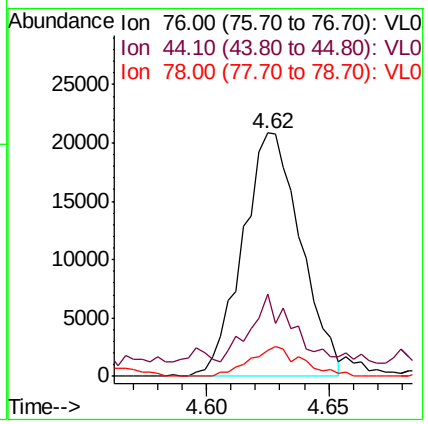


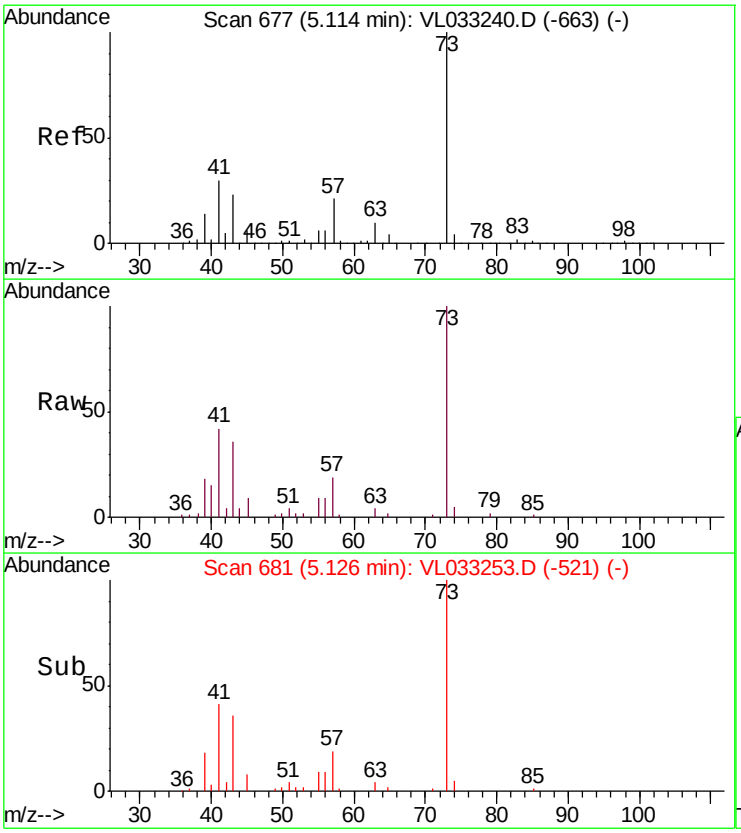


#27
Carbon Disulfide
Concen: 0.370 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 76 Resp: 34432

Ion	Ratio	Lower	Upper
76	100		
44	29.1	15.0	22.6#
78	11.0	7.3	10.9#

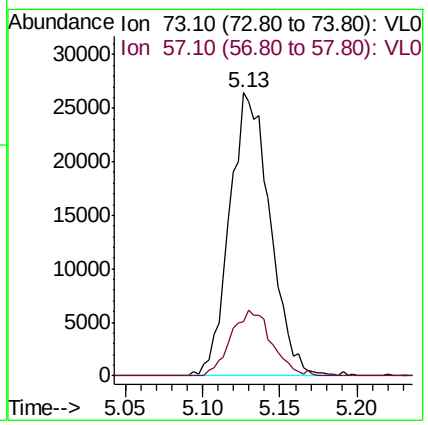


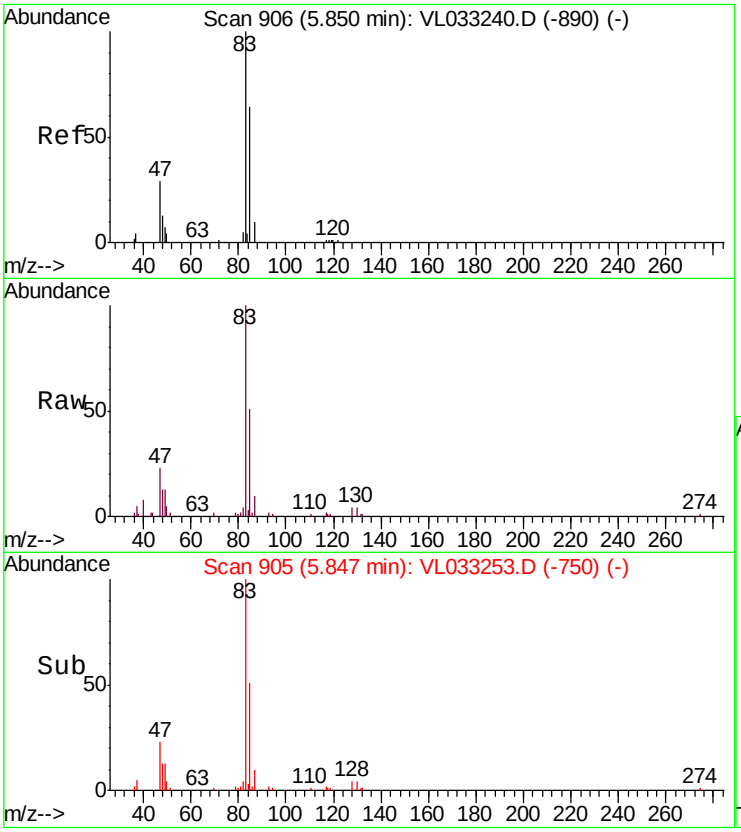


#28
Methyl tert-Butyl Ether
Concen: 0.359 ppbv
RT: 5.13 min Scan# 681
Delta R.T. 0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 73 Resp: 47846

Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.6	26.4

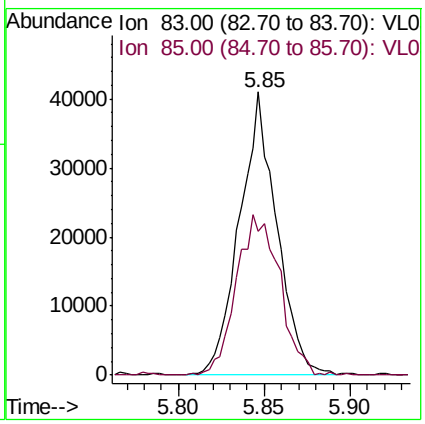


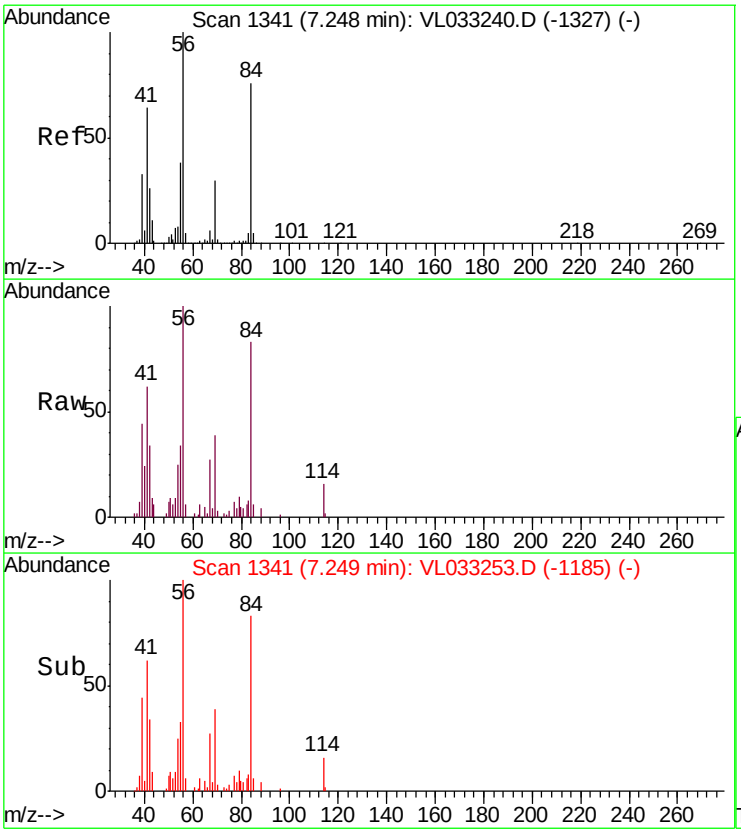


#29
Chloroform
Concen: 0.410 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 83 Resp: 61565

Ion	Ratio	Lower	Upper
83	100		
85	50.7	51.2	76.8#

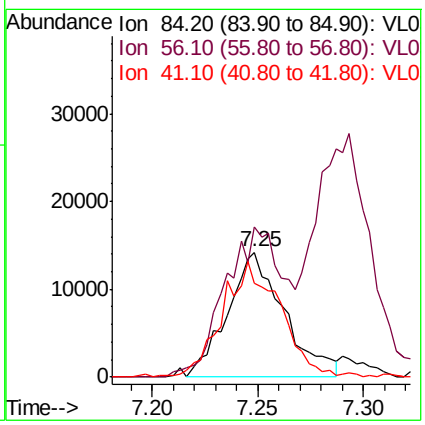


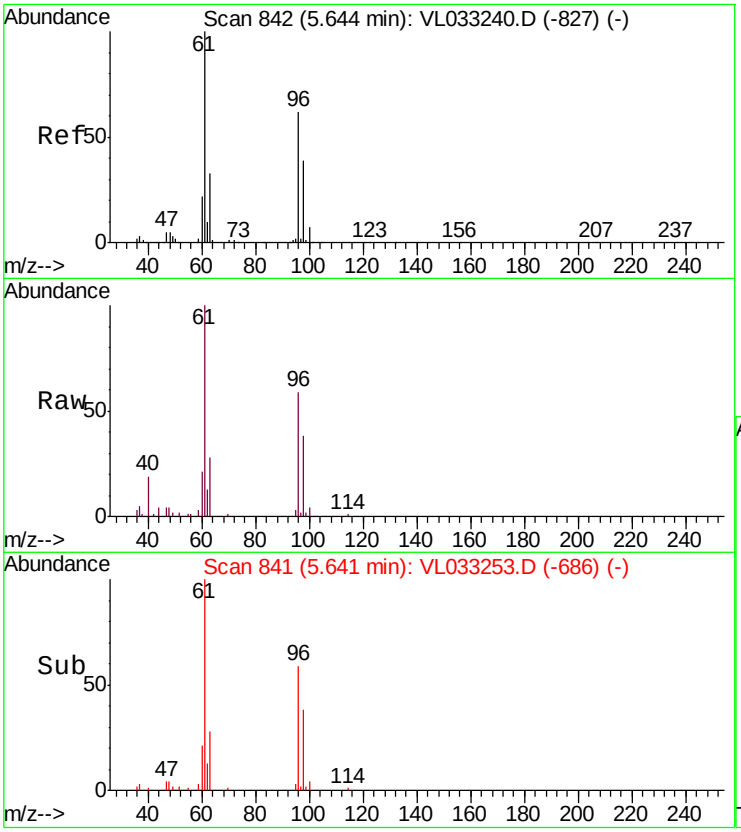


#30
Cyclohexane
Concen: 0.365 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 84 Resp: 26408

Ion	Ratio	Lower	Upper
84	100		
56	126.0	113.1	169.7
41	96.8	70.8	106.2

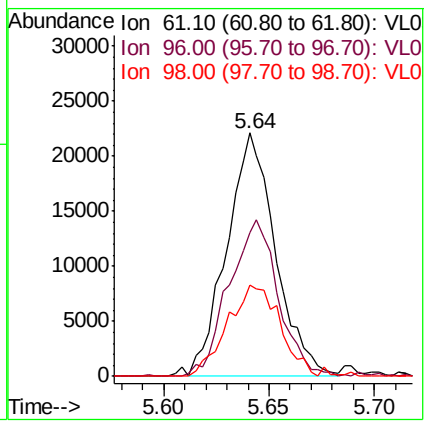


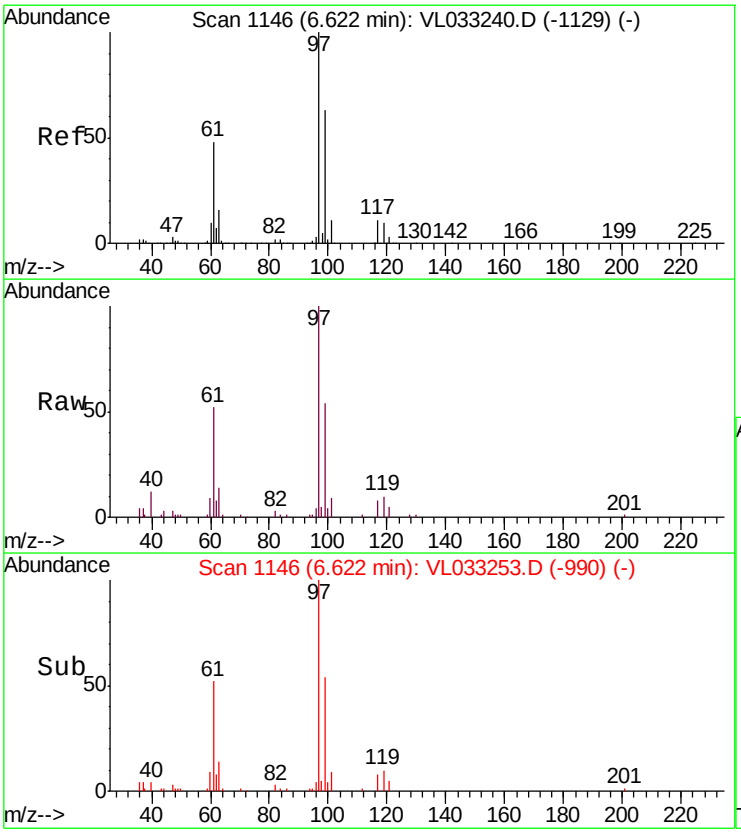


#31
cis-1,2-Dichloroethene
Concen: 0.380 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 61 Resp: 35469

Ion	Ratio	Lower	Upper
61	100		
96	59.2	49.4	74.0
98	37.7	31.2	46.8

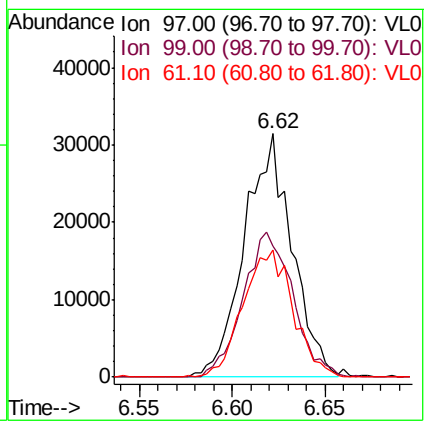


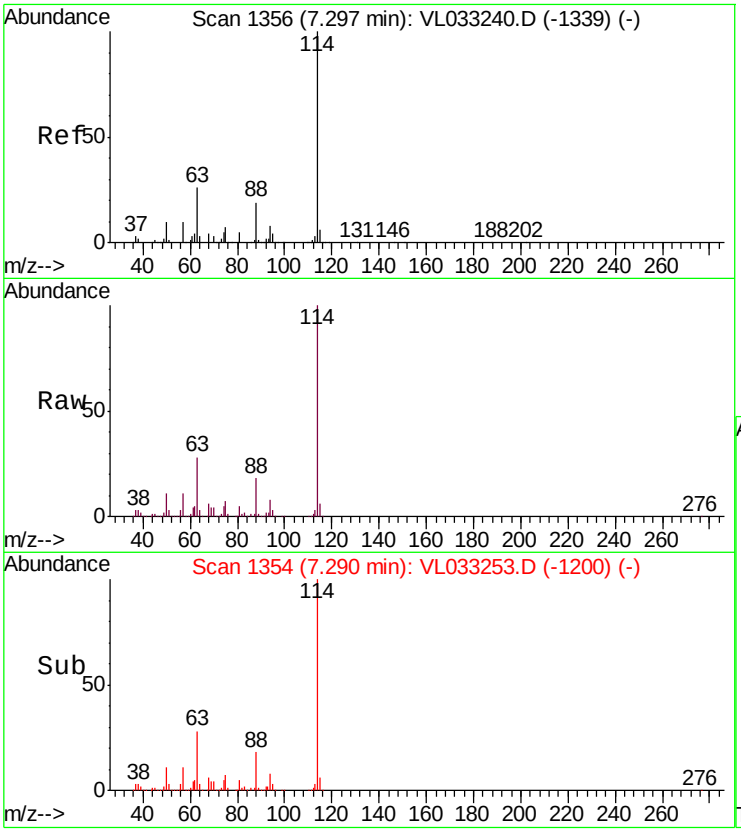


#32
1,1,1-Trichloroethane
Concen: 0.385 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 97 Resp: 56039

Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.4	77.0
61	55.0	40.1	60.1

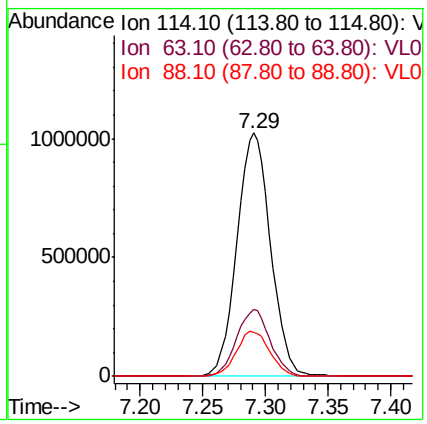


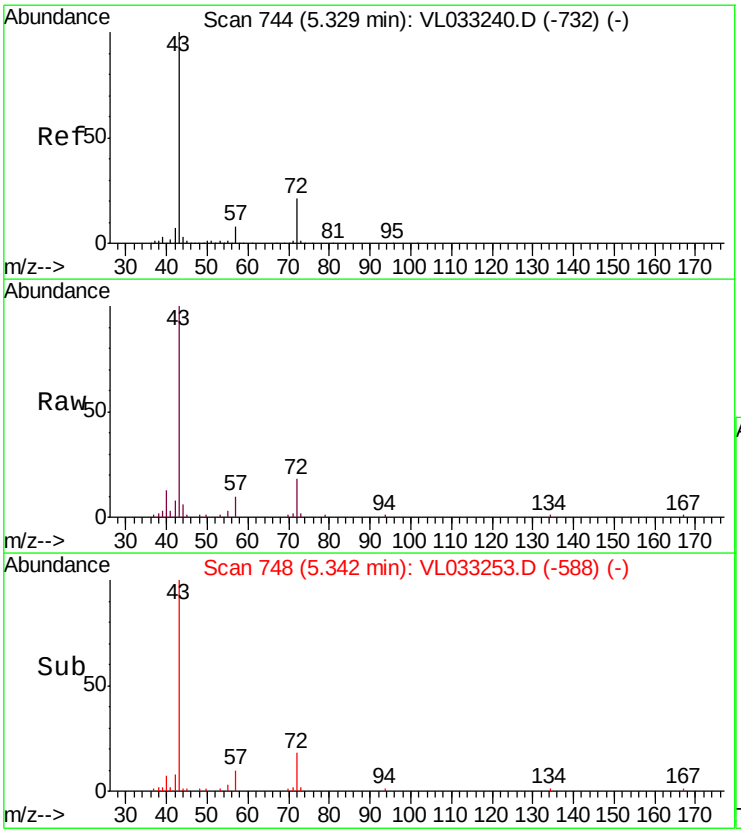


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:114 Resp: 1903366

Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.0	33.0
88	18.5	15.0	22.4

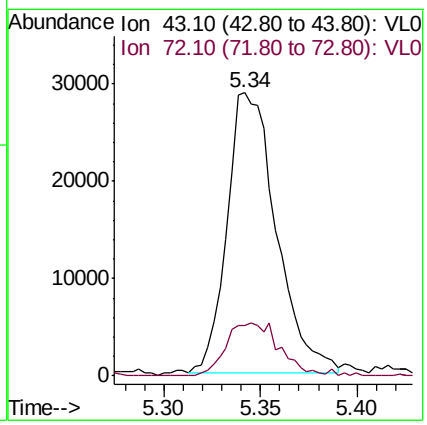


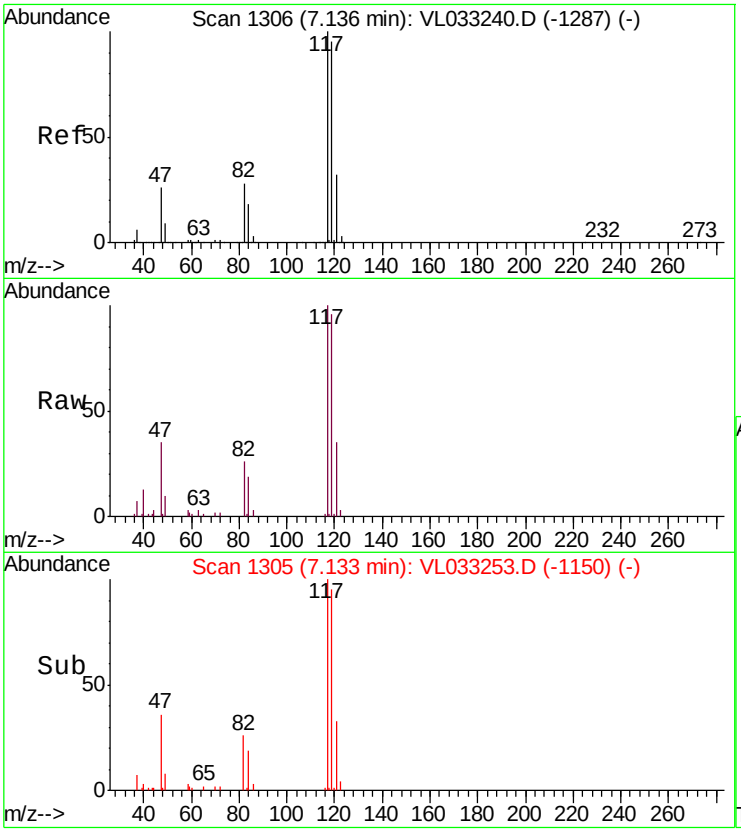


#34
2-Butanone
Concen: 0.387 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 43 Resp: 51051

Ion	Ratio	Lower	Upper
43	100		
72	21.0	17.1	25.7

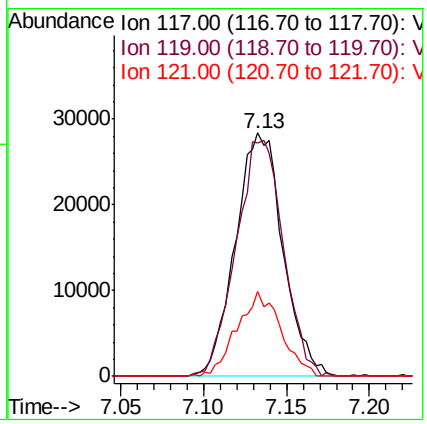


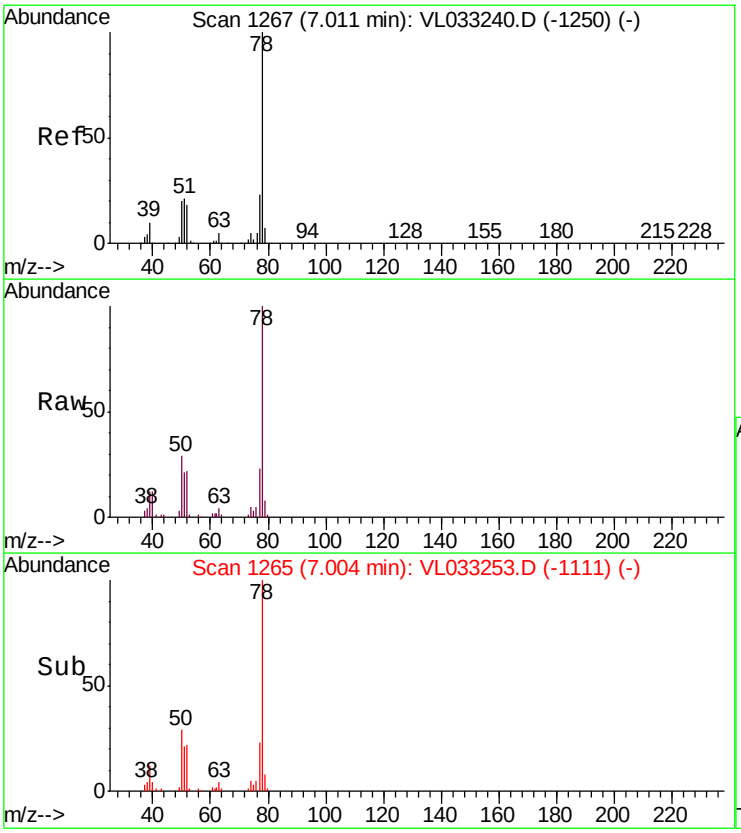


#35
Carbon Tetrachloride
Concen: 0.394 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:117 Resp: 56703

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.8	113.6
121	34.3	25.6	38.4

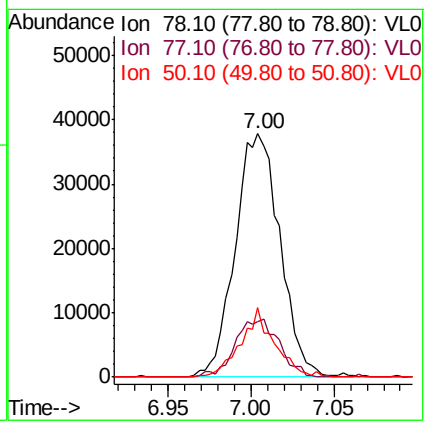


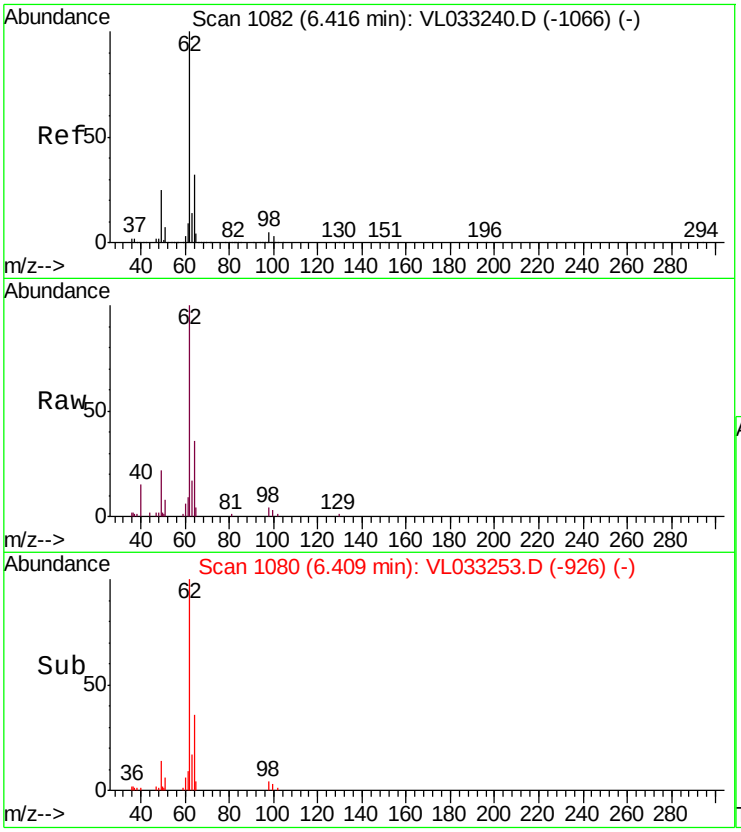


#36
Benzene
Concen: 0.399 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 78 Resp: 71216

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.0	27.0
50	28.7	16.2	24.4#

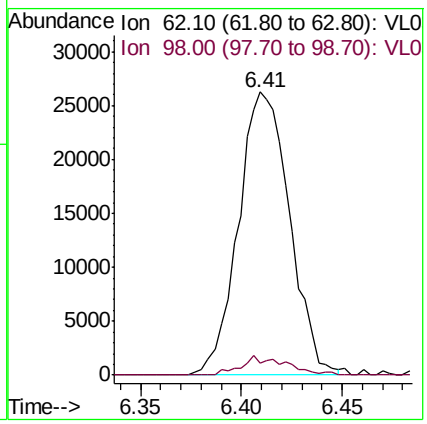


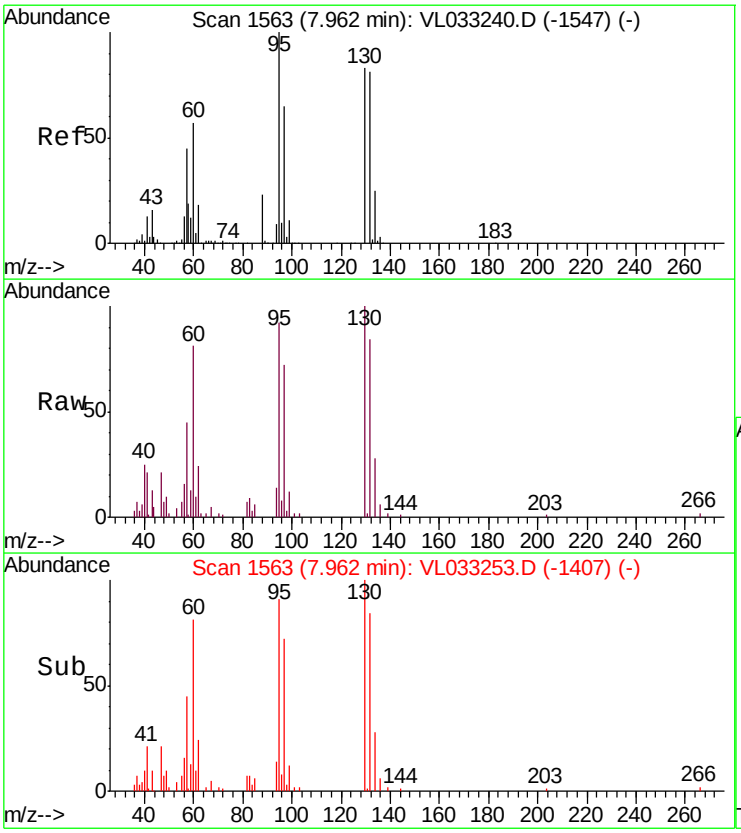


#37
1,2-Dichloroethane
Concen: 0.419 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 62 Resp: 46596

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.5	6.7

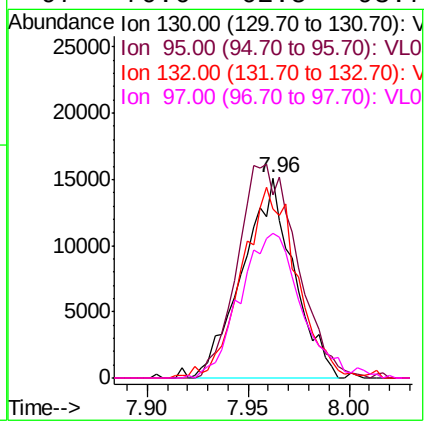


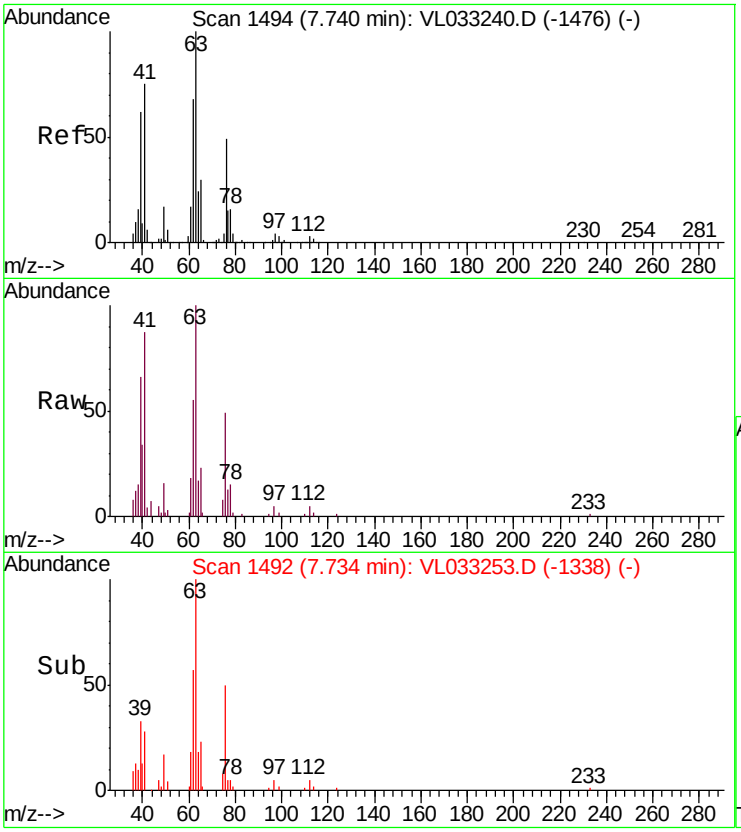


#38
Trichloroethene
Concen: 0.397 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:130 Resp: 26777

Ion	Ratio	Lower	Upper
130	100		
95	91.7	95.7	143.5#
132	82.9	77.4	116.2
97	70.6	62.5	93.7

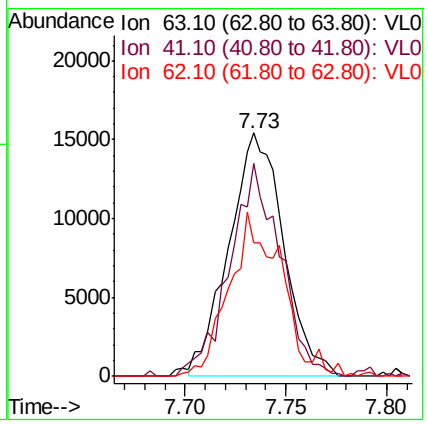


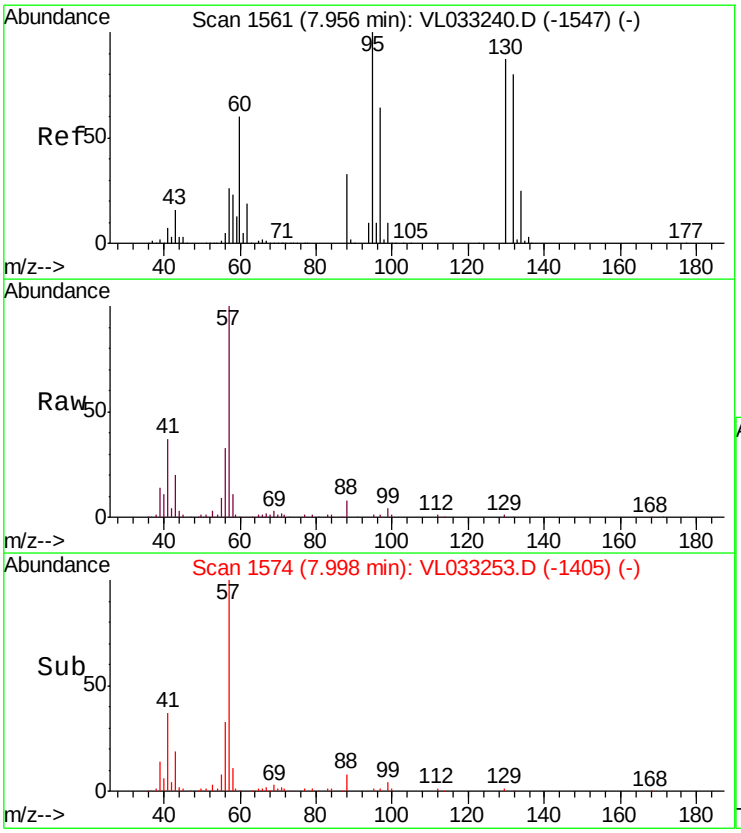


#39
1,2-Dichloropropane
Concen: 0.419 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 63 Resp: 29233

Ion	Ratio	Lower	Upper
63	100		
41	86.0	60.0	90.0
62	53.4	54.2	81.4#

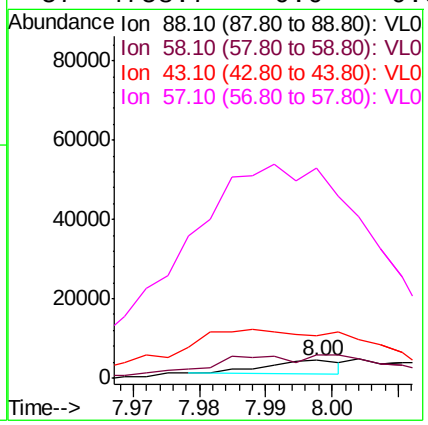


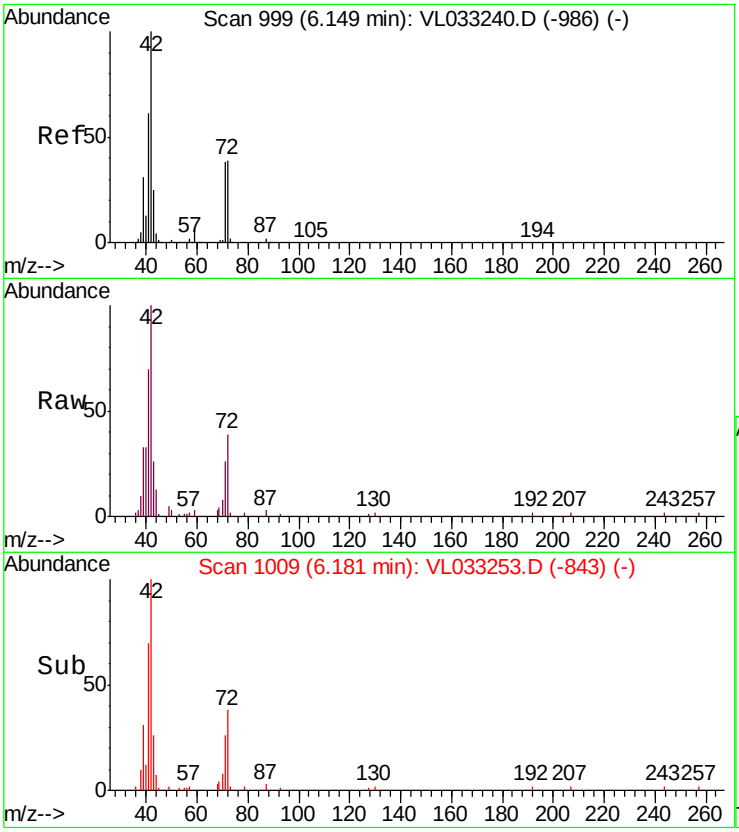


#40
1,4-Dioxane
Concen: 0.100 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. 0.04 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 88 Resp: 2578

Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.1	157.7#
43	1166.2	0.0	0.0#
57	4758.7	0.0	0.0#

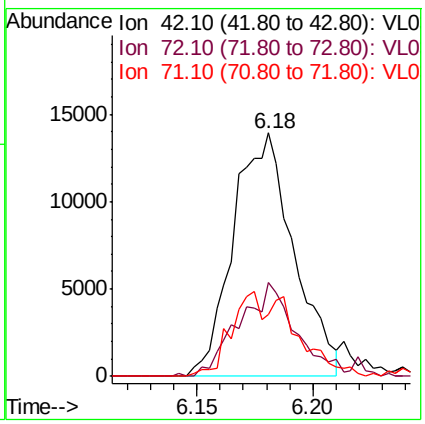


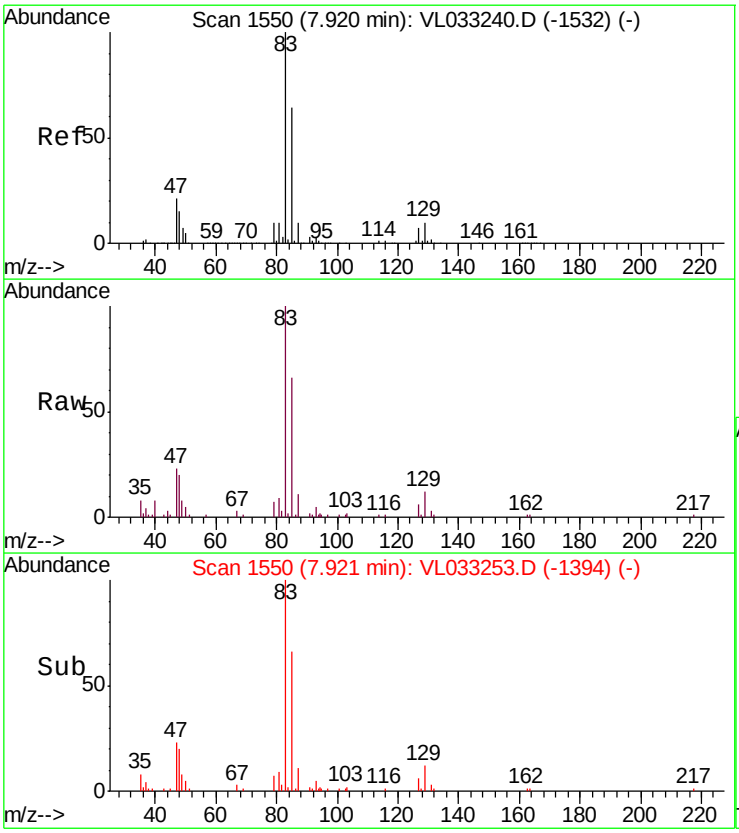


#41
Tetrahydrofuran
Concen: 0.348 ppbv
RT: 6.18 min Scan# 1009
Delta R.T. 0.03 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 42 Resp: 25226

Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.2	45.4
71	35.8	29.6	44.4

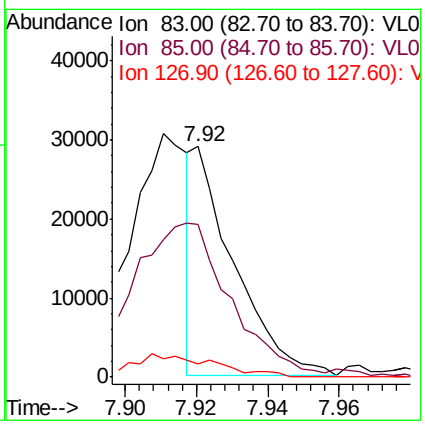


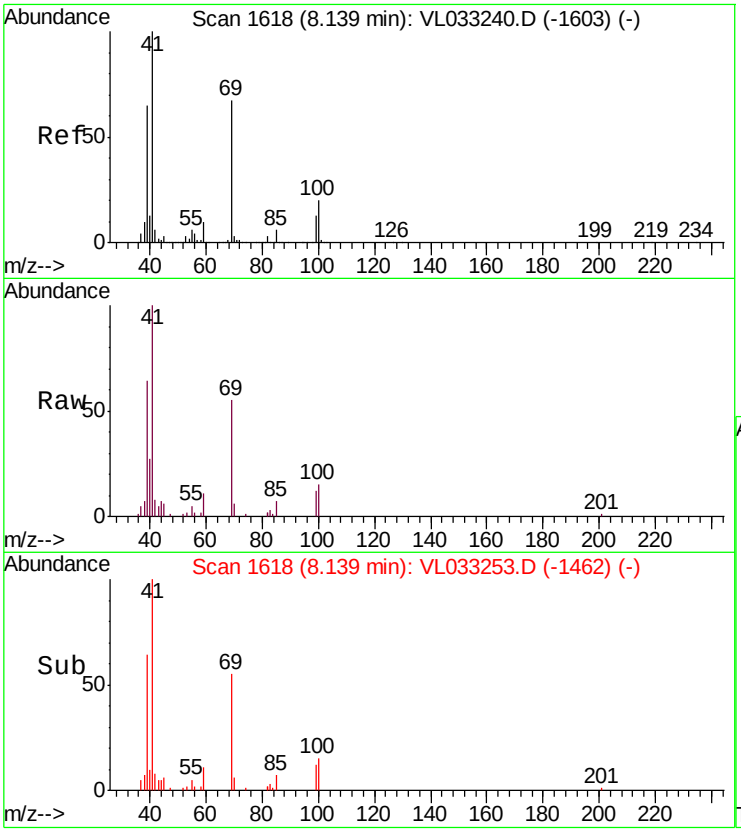


#42
Bromodichloromethane
Concen: 0.145 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 83 Resp: 22823

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3
127	7.4	5.9	8.9

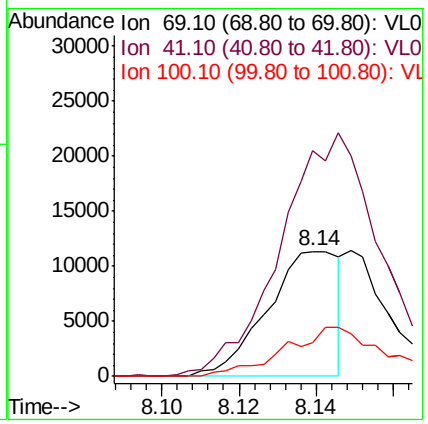


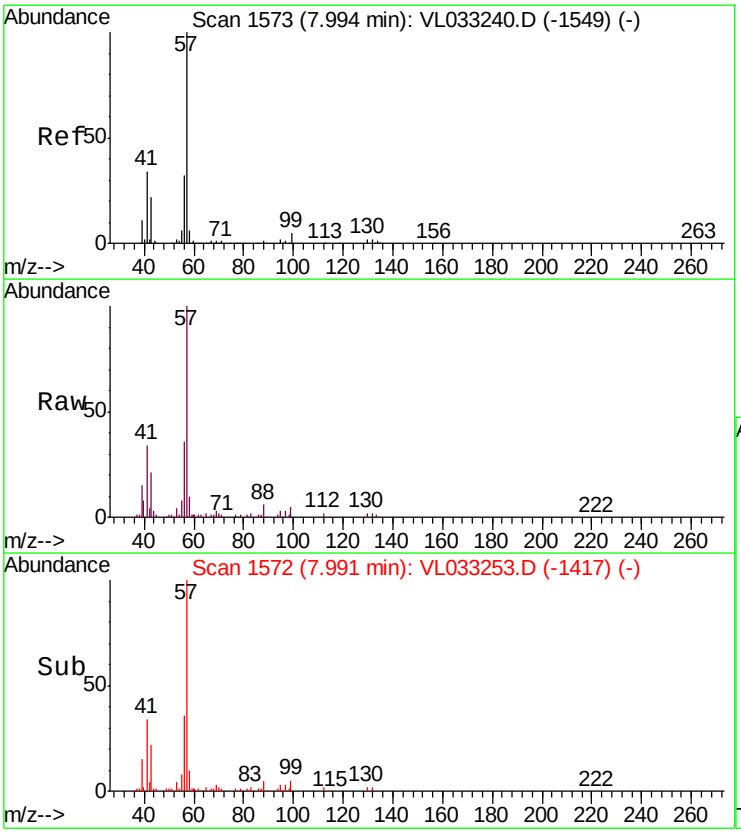


#43
Methyl Methacrylate
Concen: 0.203 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 69 Resp: 14671

Ion	Ratio	Lower	Upper
69	100		
41	0.0	120.9	181.3#
100	0.0	24.4	36.6#

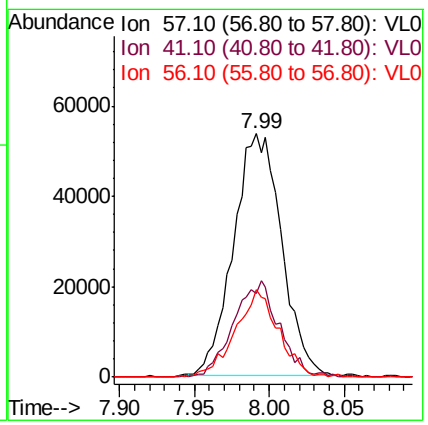


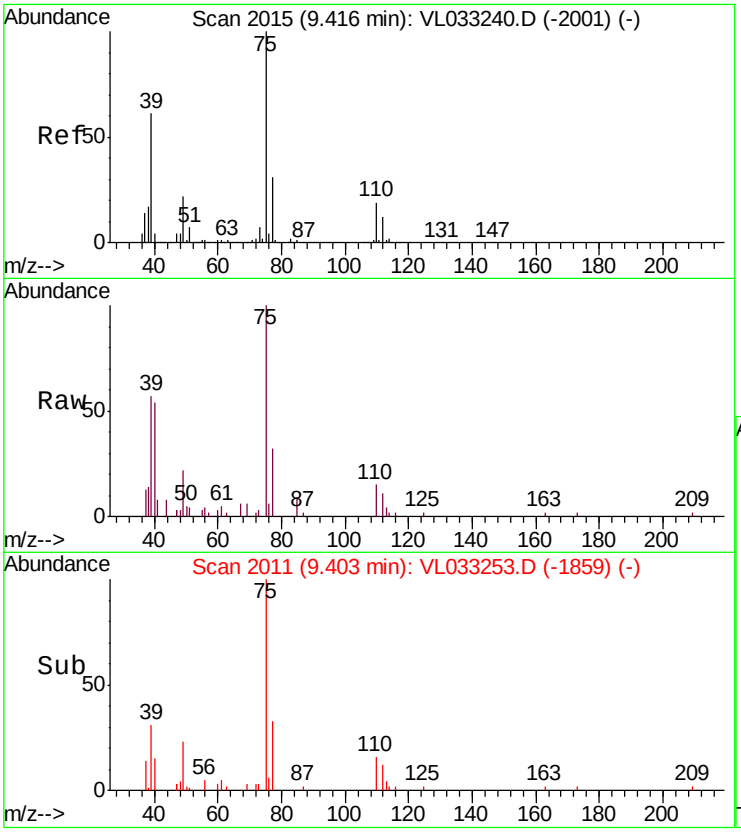


#44
2,2,4-Trimethylpentane
Concen: 0.380 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 57 Resp: 120186

Ion	Ratio	Lower	Upper
57	100		
41	37.8	26.1	39.1
56	32.4	24.7	37.1

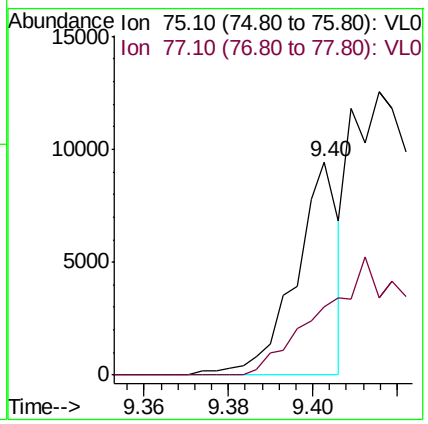


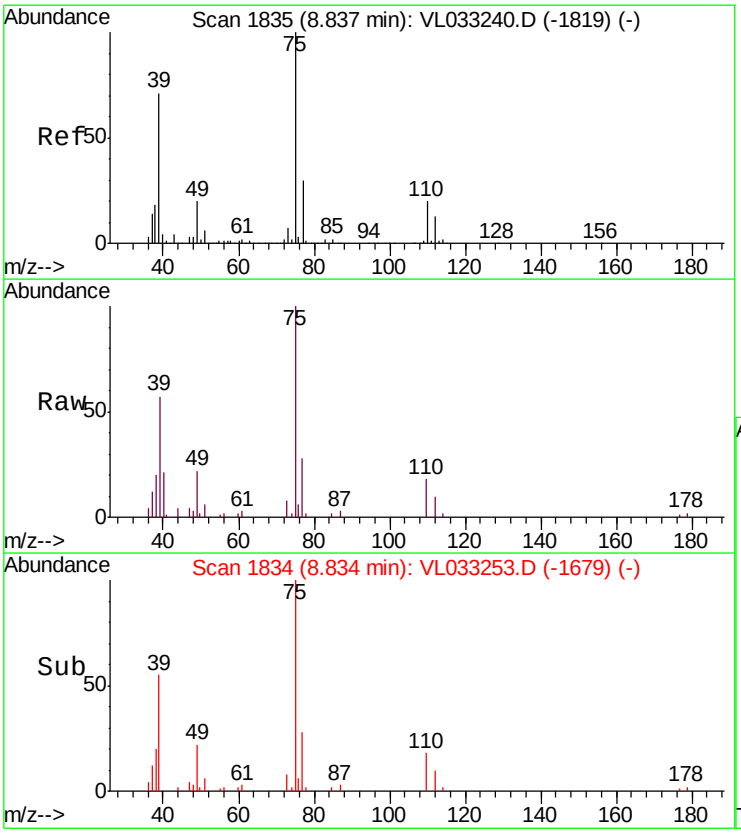


#45
t-1,3-Dichloropropene
Concen: 0.077 ppbv
RT: 9.40 min Scan# 2011
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 75 Resp: 6725

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1

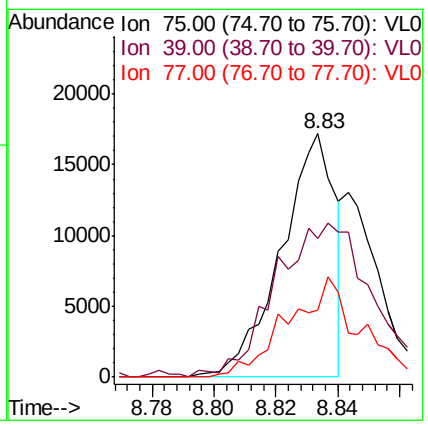


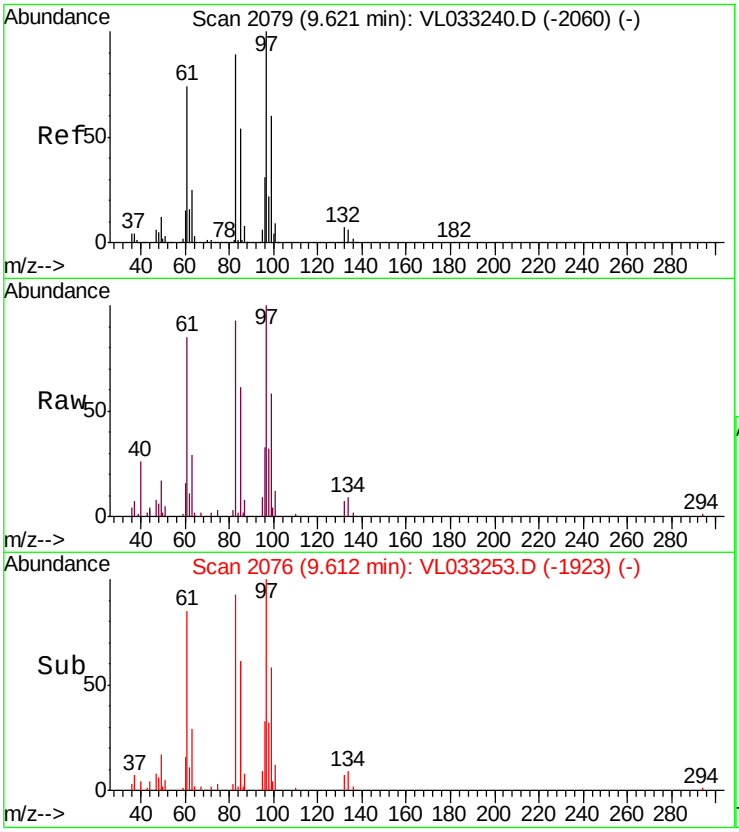


#46
cis-1,3-Dichloropropene
Concen: 0.200 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 75 Resp: 20838

Ion	Ratio	Lower	Upper
75	100		
39	57.2	57.0	85.6
77	27.6	24.0	36.0

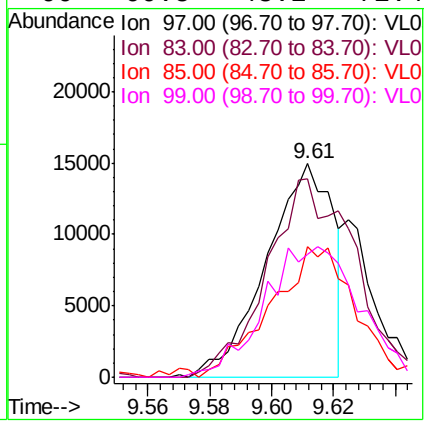


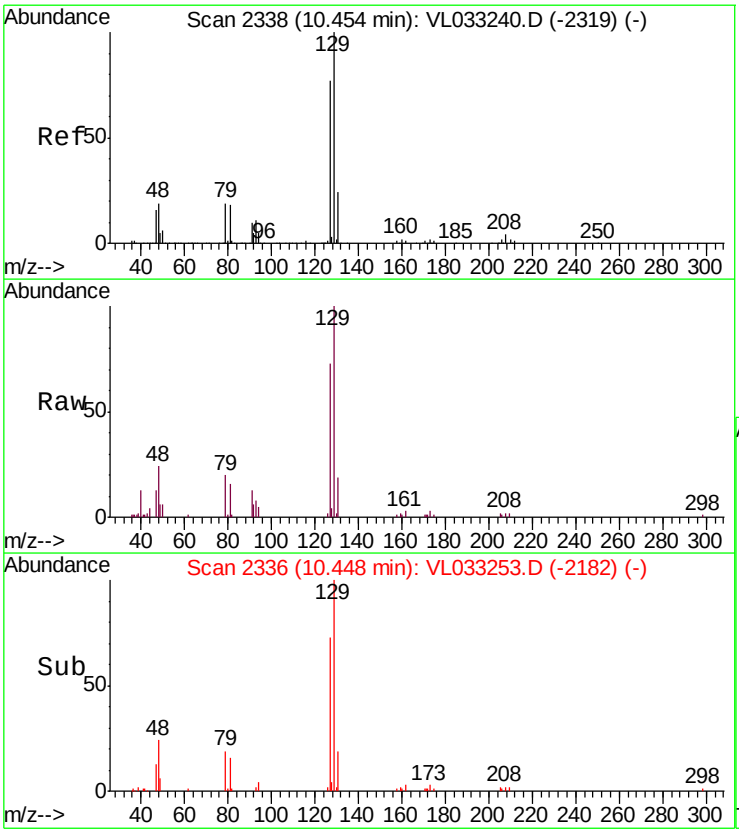


#47
1,1,2-Trichloroethane
Concen: 0.298 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 97 Resp: 22337

Ion	Ratio	Lower	Upper
97	100		
83	92.7	71.1	106.7
85	57.2	42.9	64.3
99	60.5	48.2	72.4

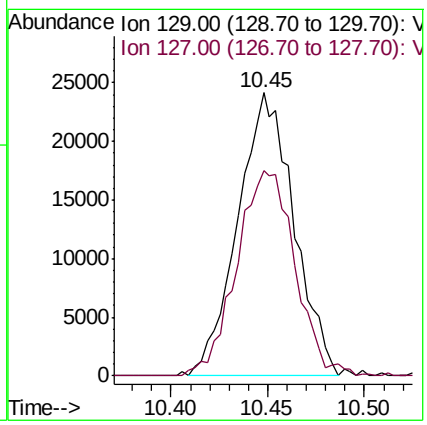


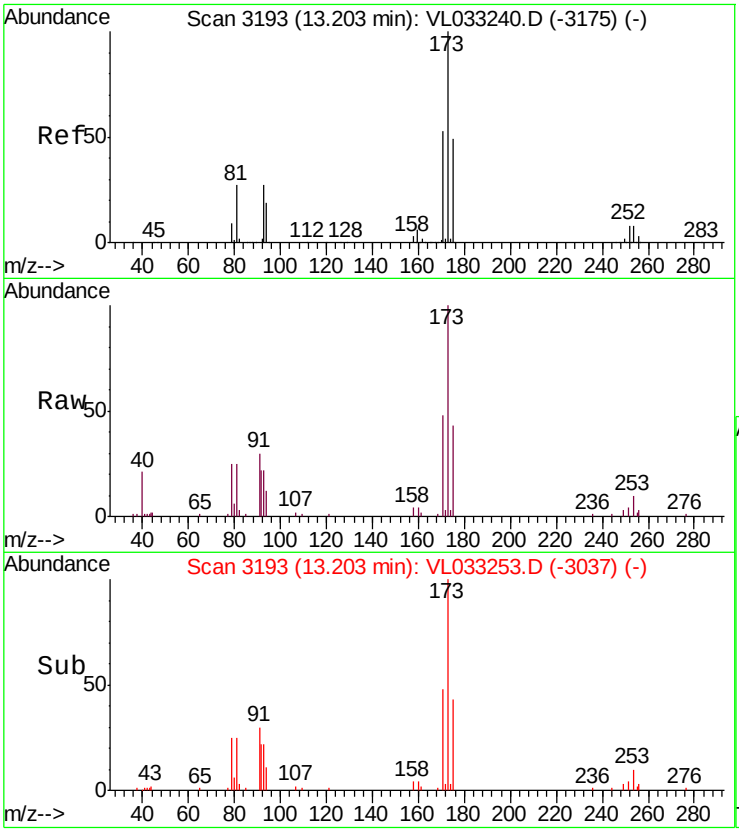


#48
Dibromochloromethane
Concen: 0.400 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:129 Resp: 48649

Ion	Ratio	Lower	Upper
129	100		
127	75.3	39.0	117.0

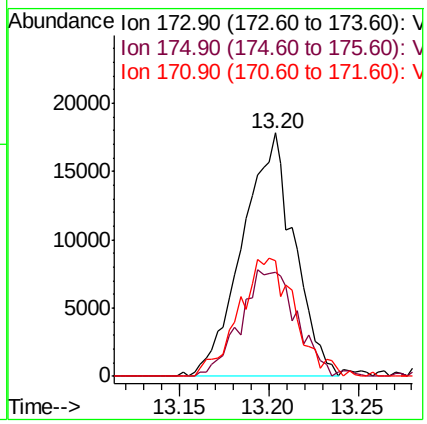


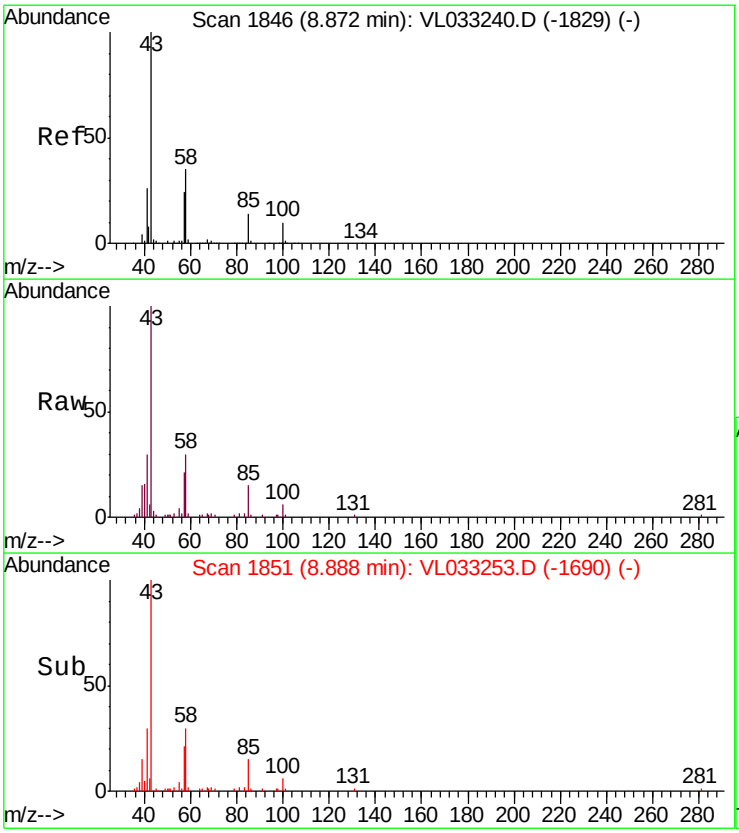


#49
Bromoform
Concen: 0.371 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:173 Resp: 36042

Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.9	58.3
171	52.7	41.4	62.0

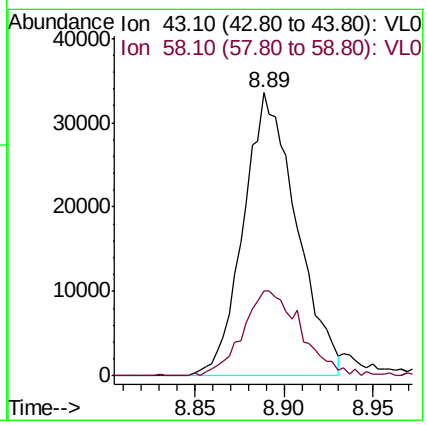


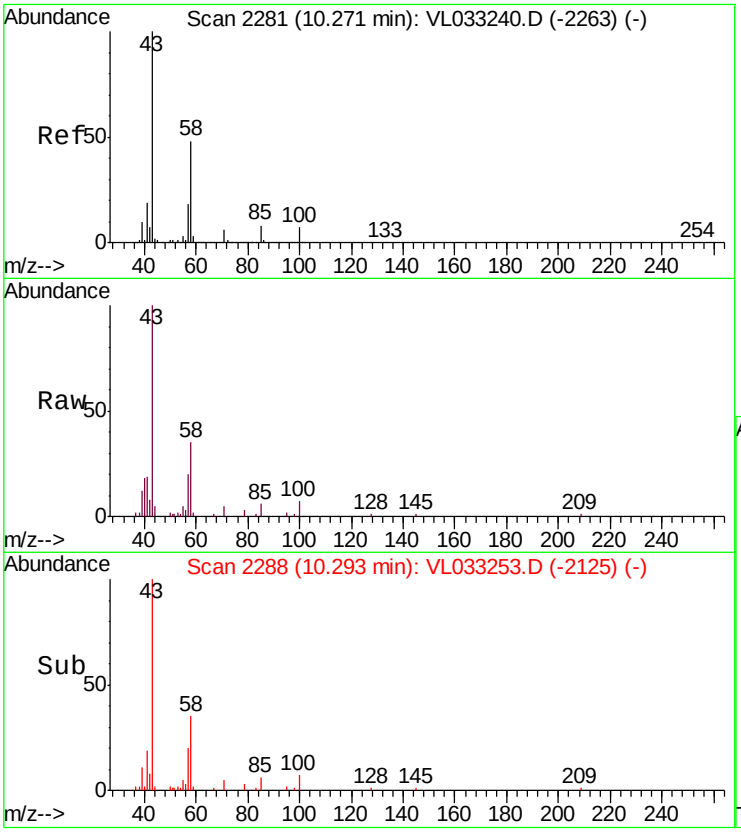


#50
4-Methyl-2-Pentanone
Concen: 0.357 ppbv
RT: 8.89 min Scan# 1851
Delta R.T. 0.02 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 43 Resp: 69670

Ion	Ratio	Lower	Upper
43	100		
58	33.3	27.8	41.6

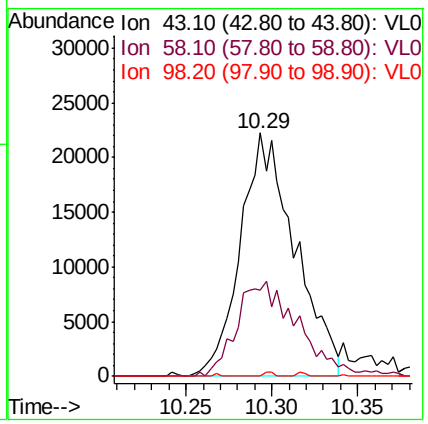


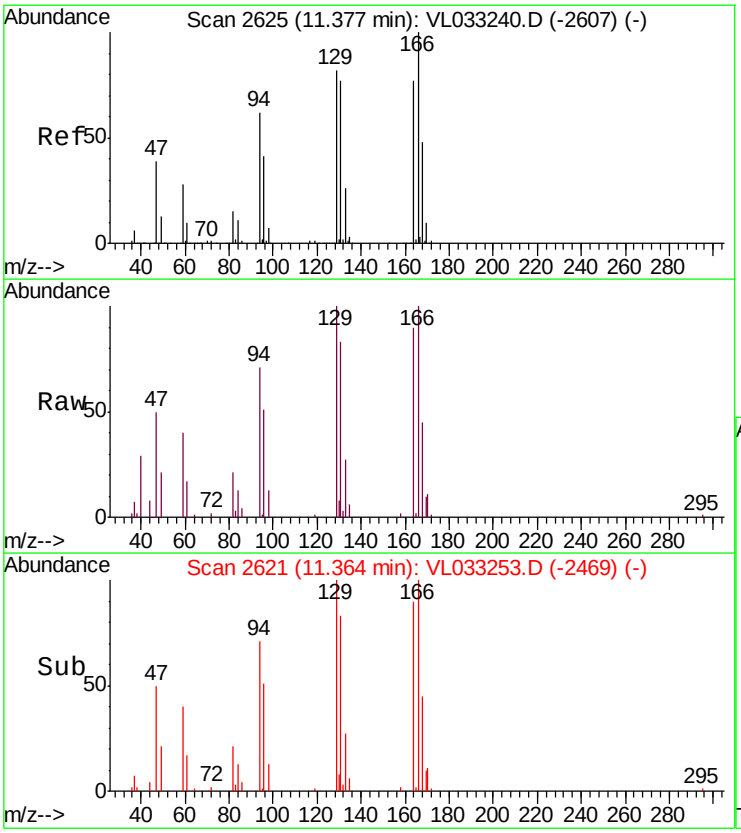


#51
2-Hexanone
Concen: 0.335 ppbv
RT: 10.29 min Scan# 2288
Delta R.T. 0.02 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 43 Resp: 48861

Ion	Ratio	Lower	Upper
43	100		
58	44.4	38.2	57.2
98	0.0	0.2	0.4#

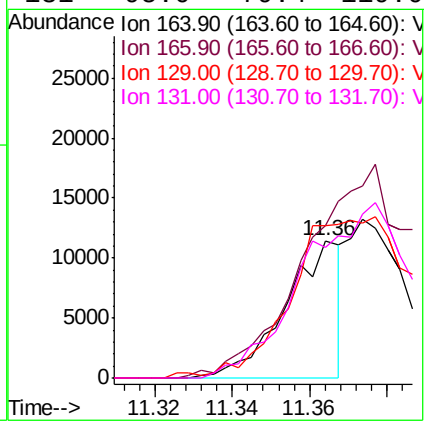


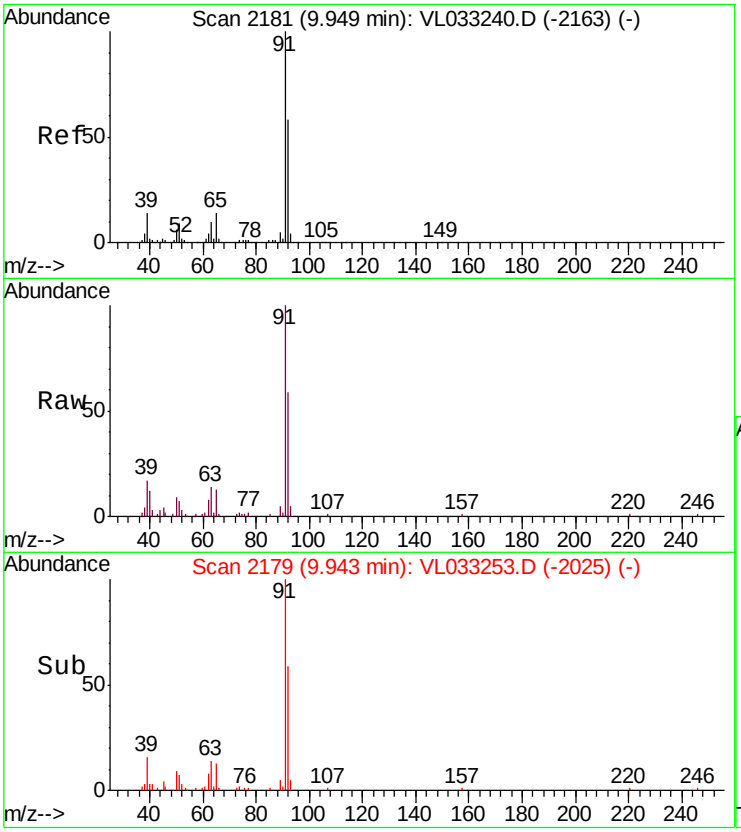


#52
Tetrachloroethene
Concen: 0.171 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:164 Resp: 11390

Ion	Ratio	Lower	Upper
164	100		
166	109.3	103.3	154.9
129	115.2	84.4	126.6
131	95.0	79.4	119.0

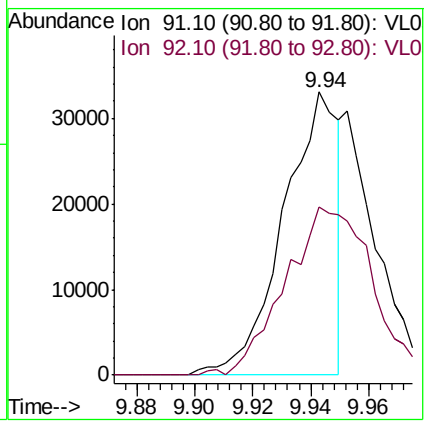


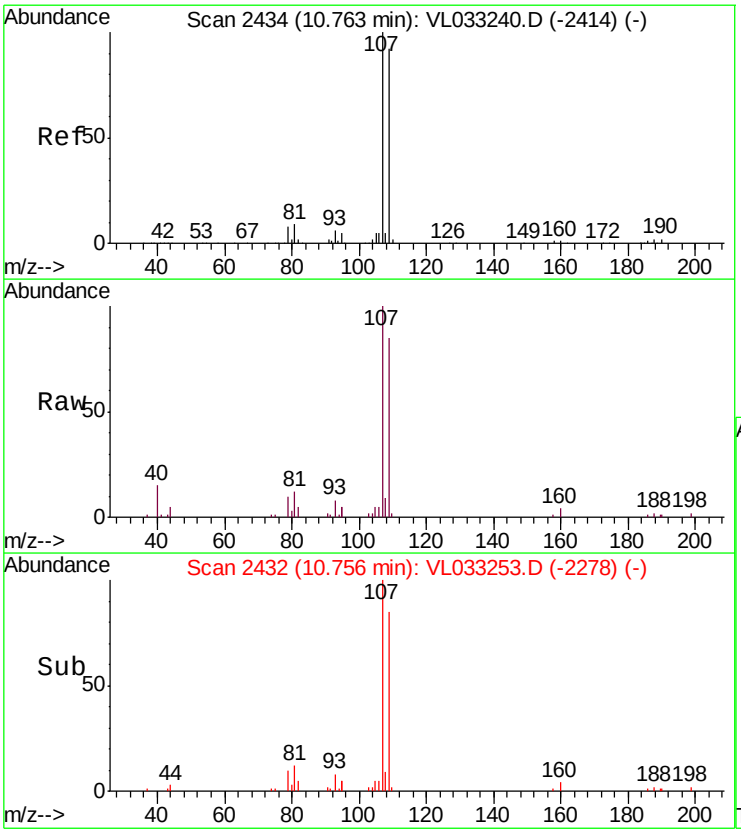


#53
Toluene
Concen: 0.209 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 91 Resp: 43237

Ion	Ratio	Lower	Upper
91	100		
92	95.2	47.4	71.2#

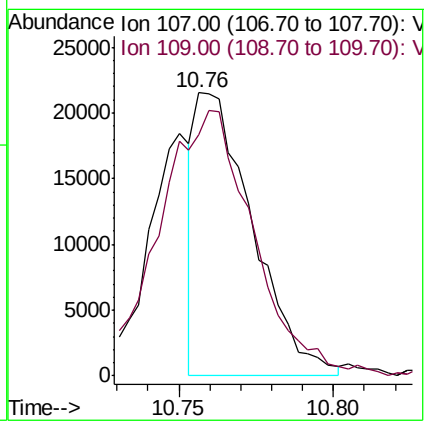


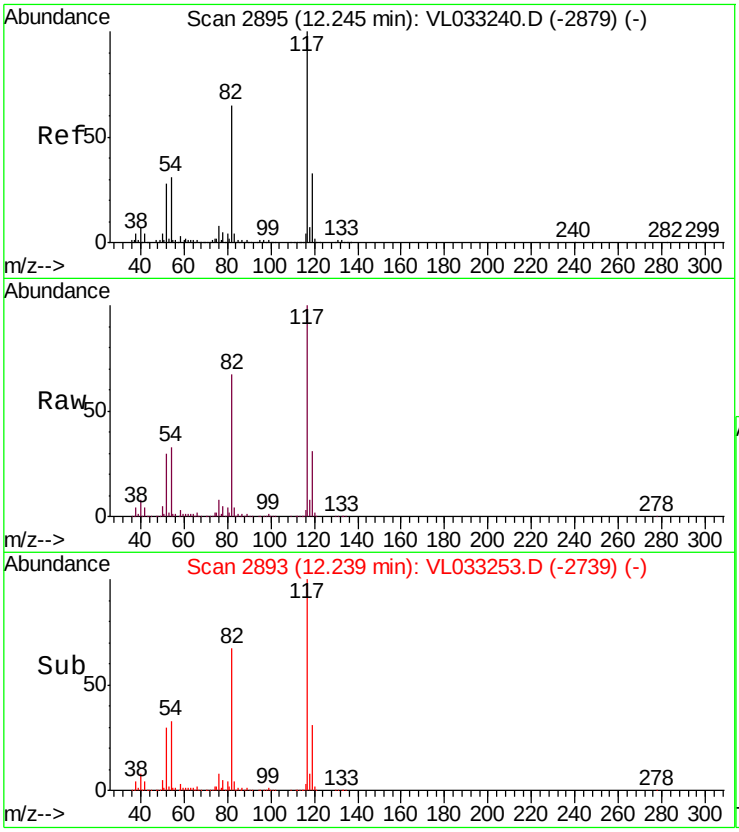


#54
1,2-Dibromoethane
Concen: 0.242 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:107 Resp: 27637

Ion	Ratio	Lower	Upper
107	100		
109	84.8	73.6	110.4

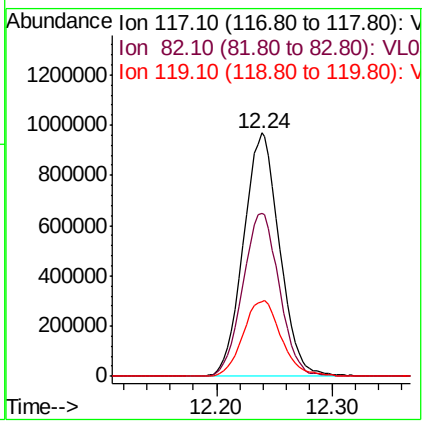


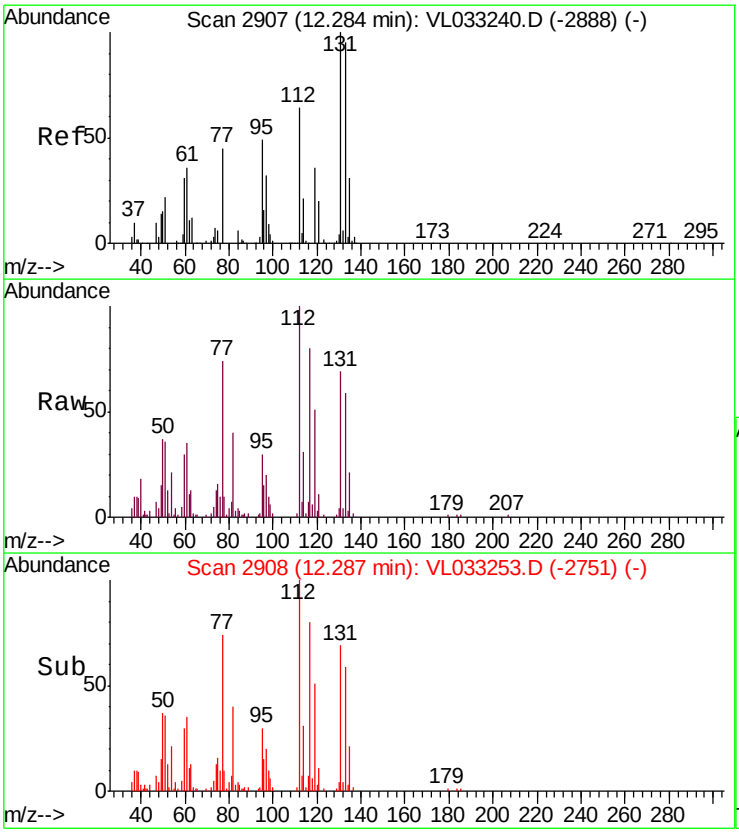


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:117 Resp: 2101083

Ion	Ratio	Lower	Upper
117	100		
82	68.1	51.8	77.8
119	33.2	43.6	65.4#

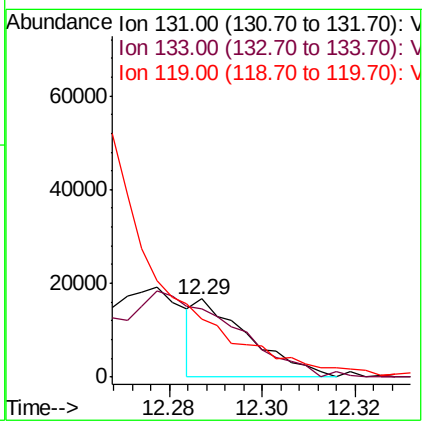


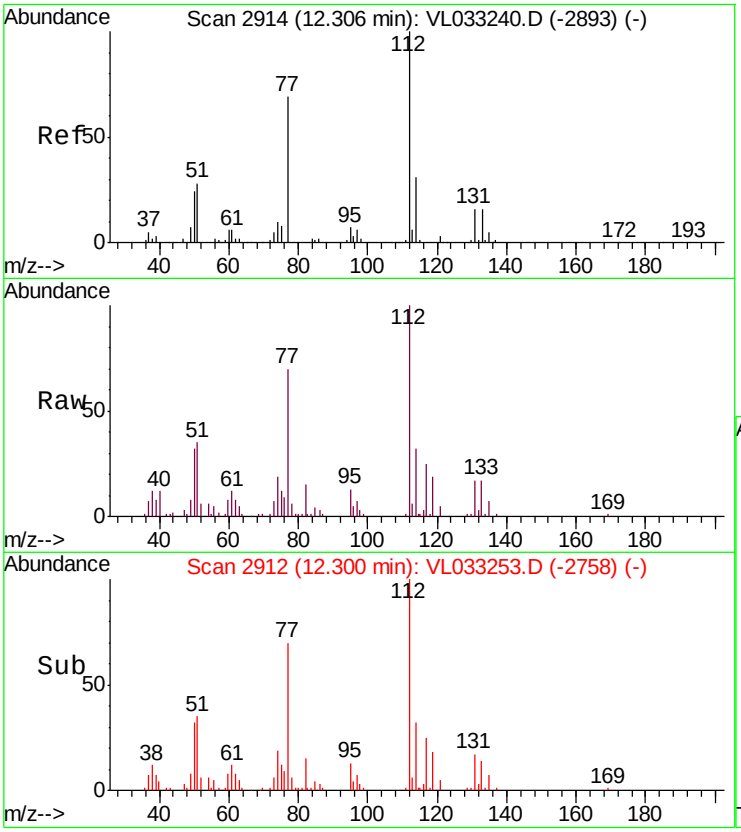


#56
1,1,1,2-Tetrachloroethane
Concen: 0.147 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:131 Resp: 13383

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.2	114.2#
119	0.0	108.9	163.3#

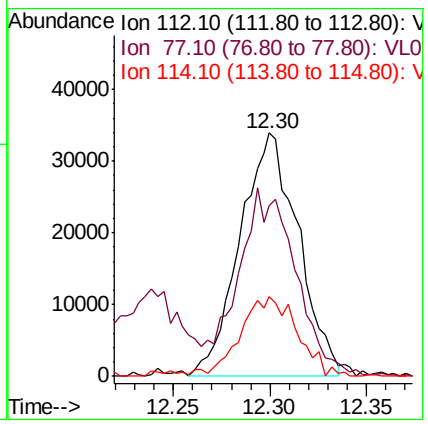


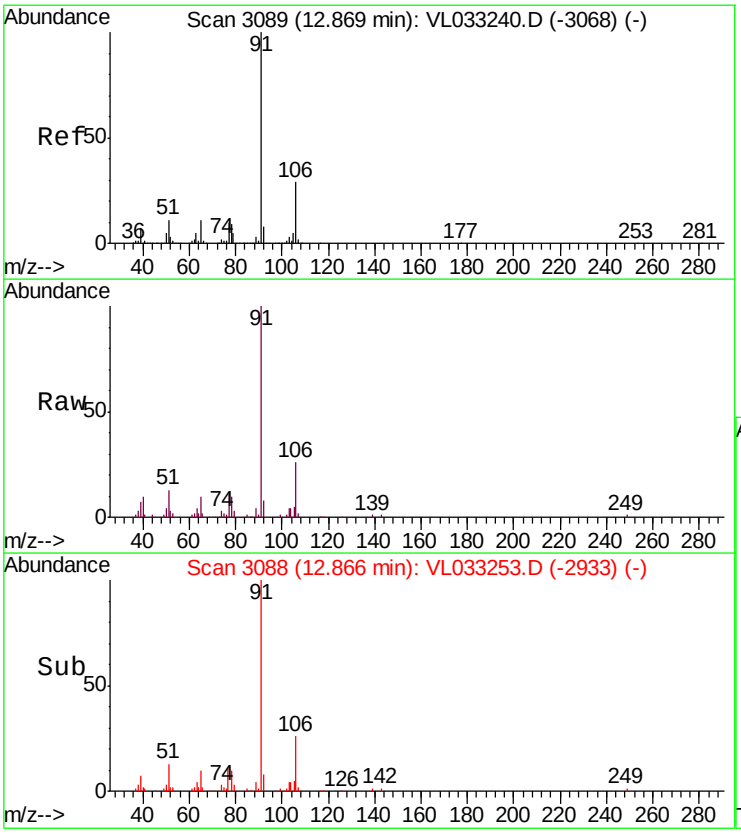


#57
Chlorobenzene
Concen: 0.435 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:112 Resp: 71174

Ion	Ratio	Lower	Upper
112	100		
77	64.9	56.5	84.7
114	31.7	28.4	34.7

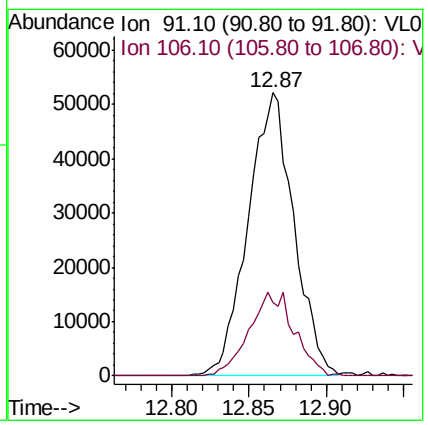


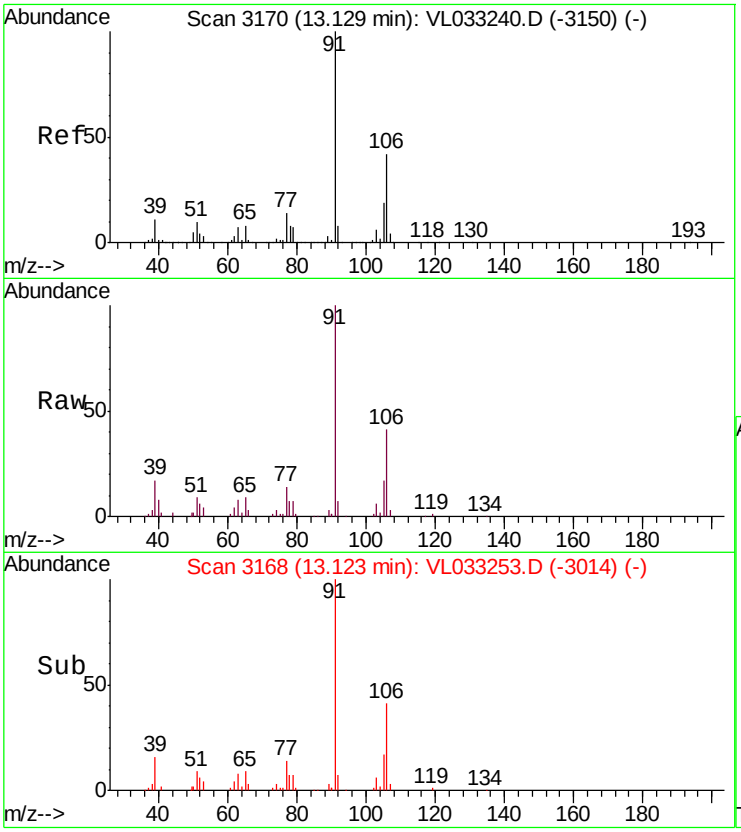


#58
Ethyl Benzene
Concen: 0.369 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 91 Resp: 107315

Ion	Ratio	Lower	Upper
91	100		
106	25.8	23.5	35.3

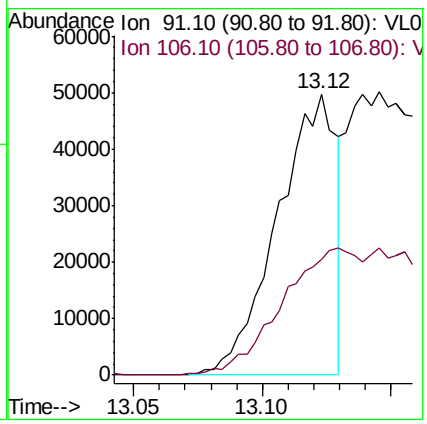


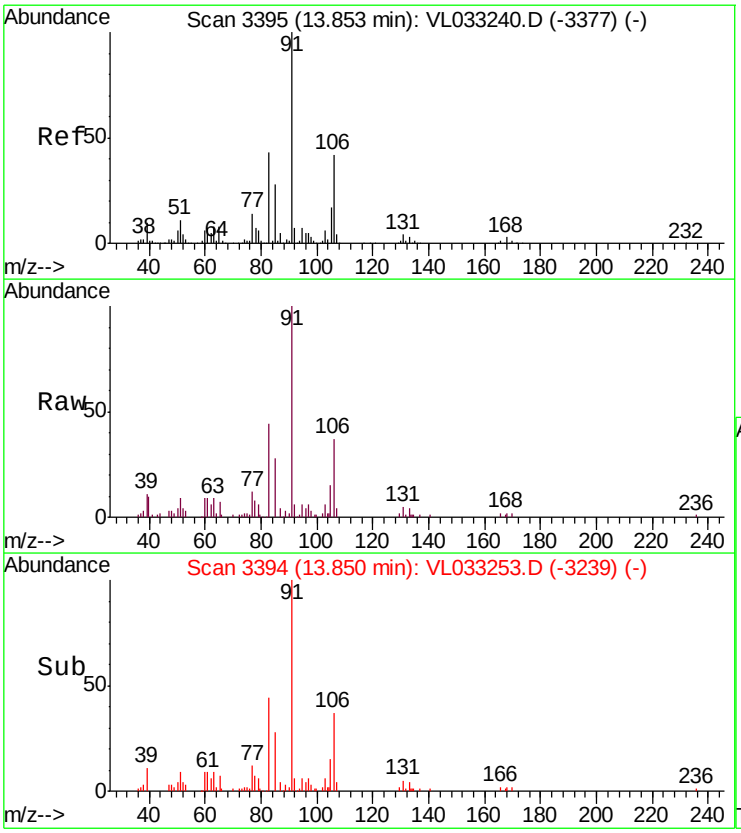


#59
m/p-Xylene
Concen: 0.319 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 91 Resp: 79085

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#

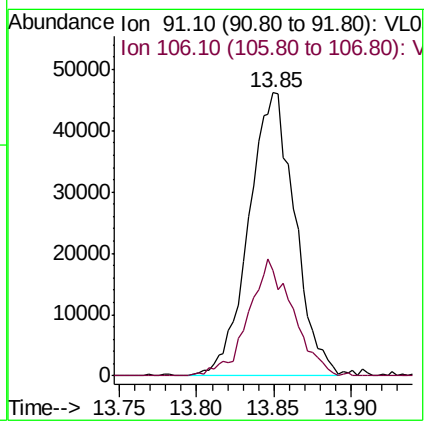


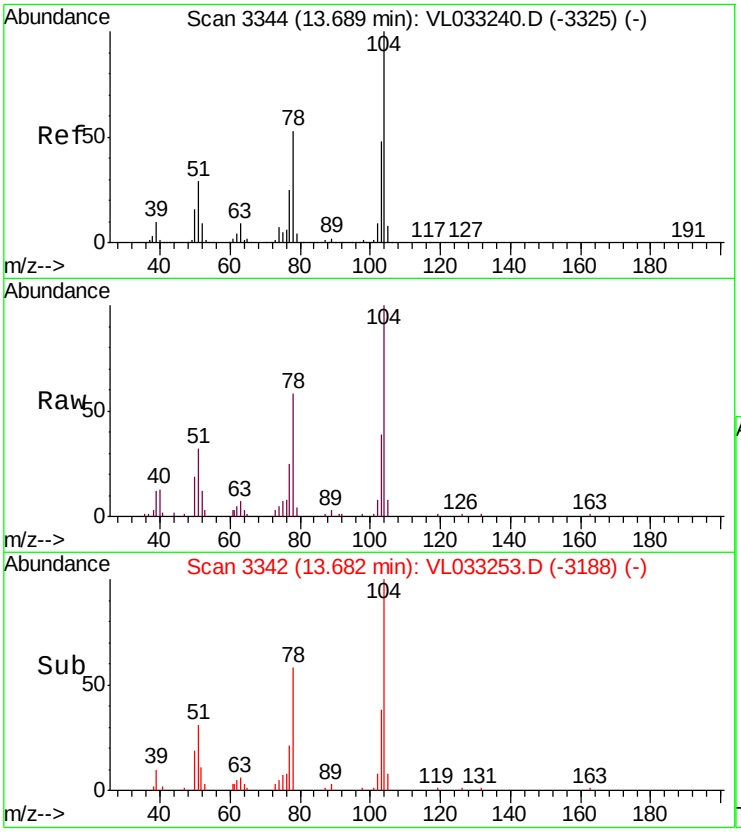


#60
o-Xylene
Concen: 0.405 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 91 Resp: 95682

Ion	Ratio	Lower	Upper
91	100		
106	40.0	21.4	64.3

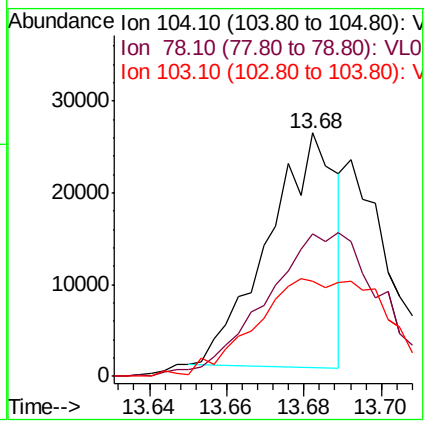


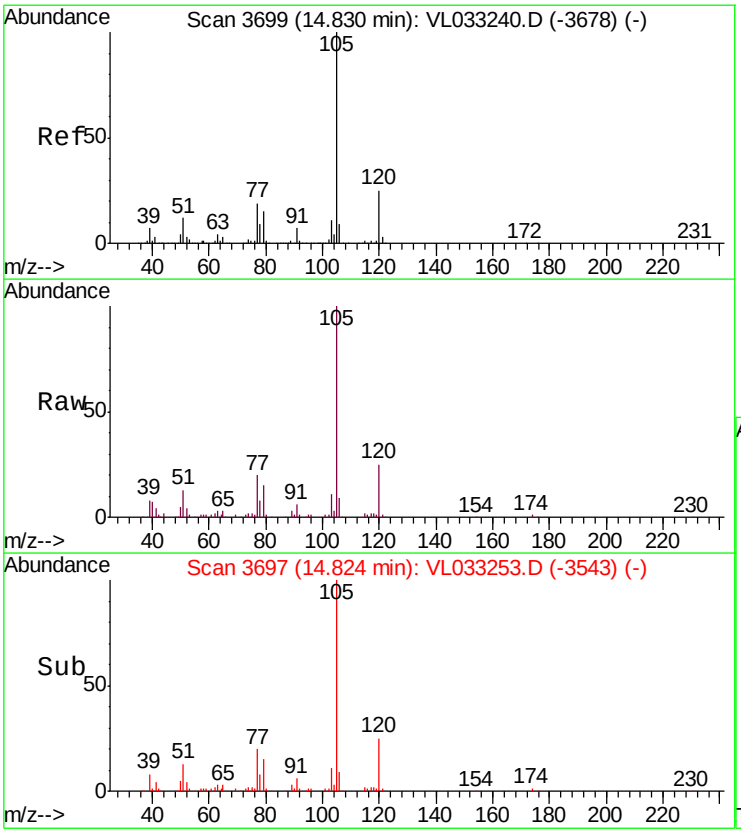


#61
Styrene
Concen: 0.188 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:104 Resp: 31216

Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.7	65.5#
103	83.1	38.2	57.2#

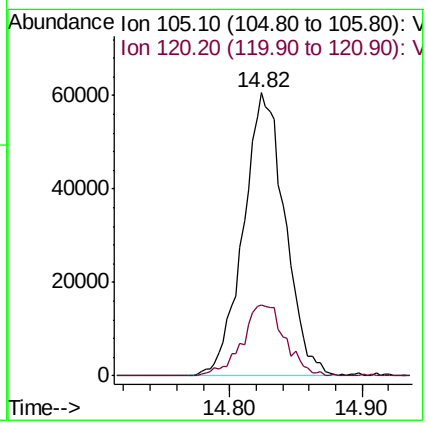


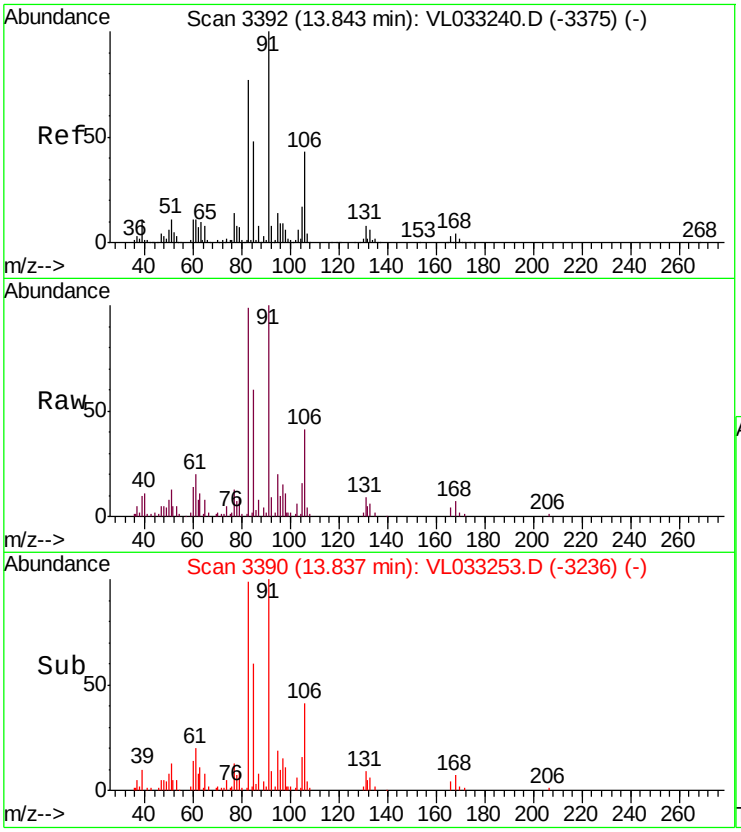


#62
Isopropylbenzene
Concen: 0.402 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:105 Resp: 132502

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.1	30.1

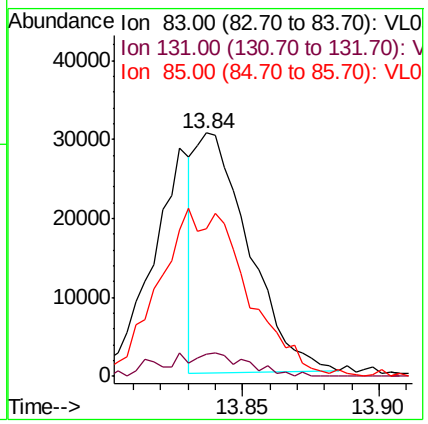


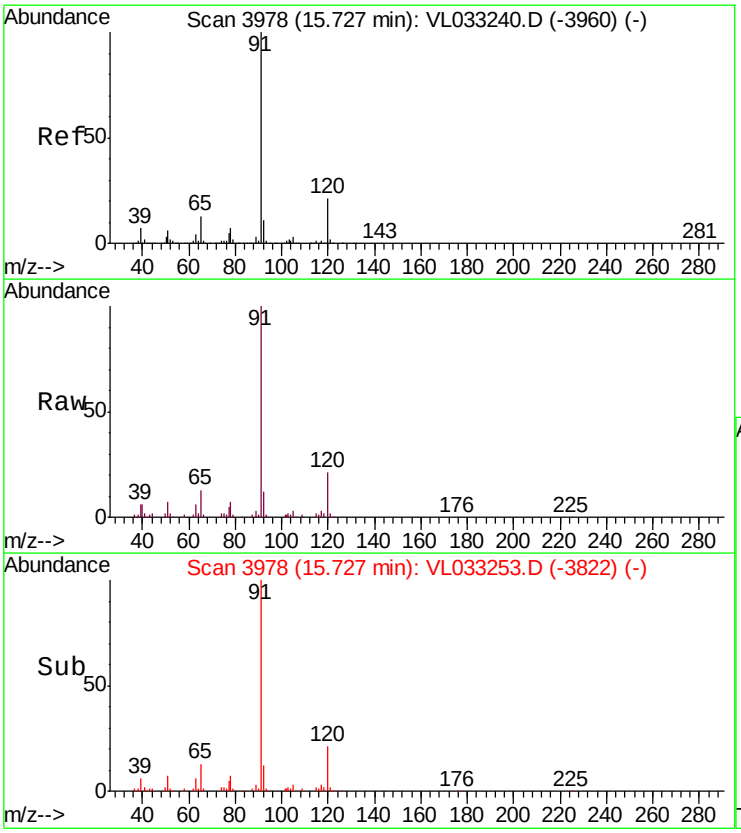


#63
1,1,2,2-Tetrachloroethane
Concen: 0.247 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 83 Resp: 41542

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	0.0	32.6	97.8#

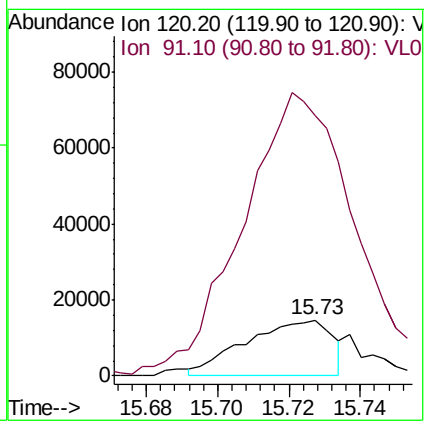


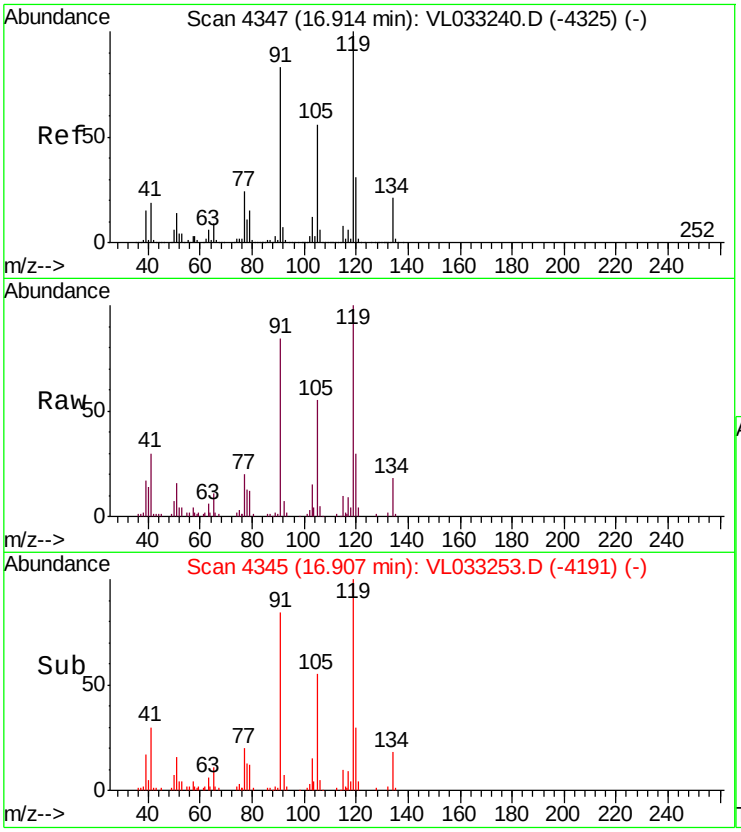


#64
n-propylbenzene
Concen: 0.304 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:120 Resp: 24771

Ion	Ratio	Lower	Upper
120	100		
91	662.5	392.2	588.4#

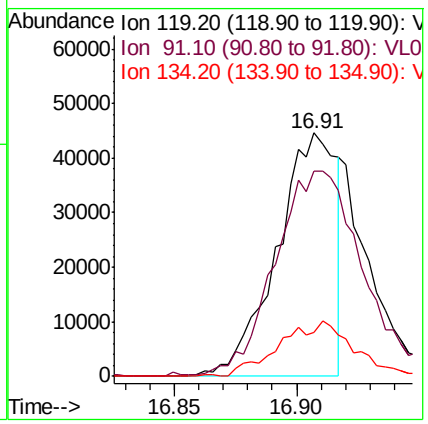


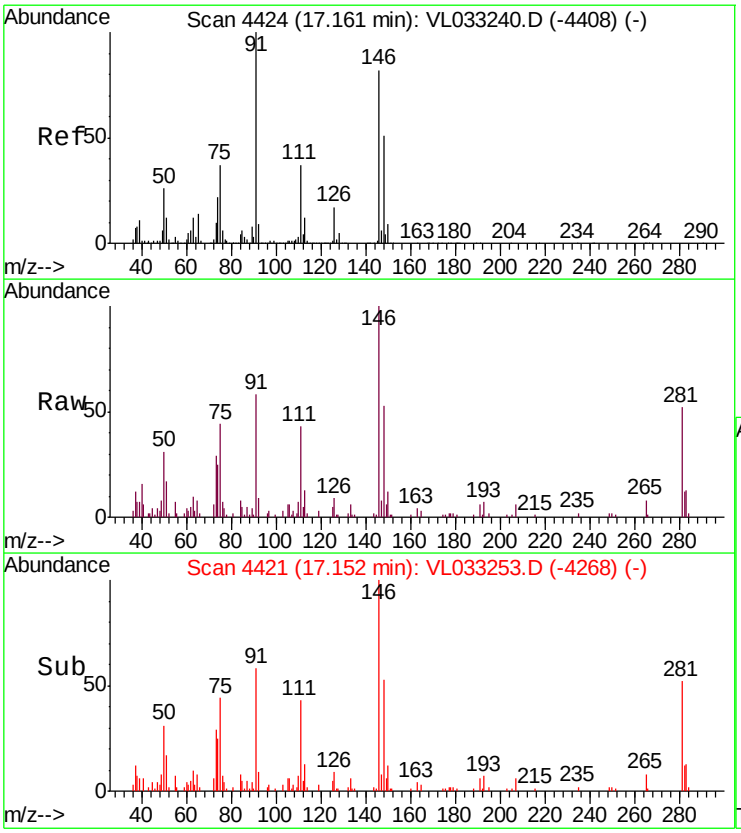


#65
tert-Butylbenzene
Concen: 0.268 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:119 Resp: 75221

Ion	Ratio	Lower	Upper
119	100		
91	127.5	67.0	100.4#
134	28.4	15.4	23.2#

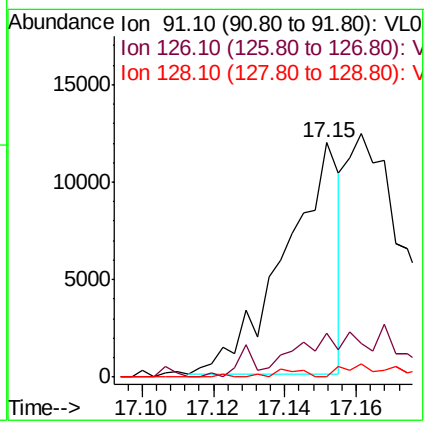


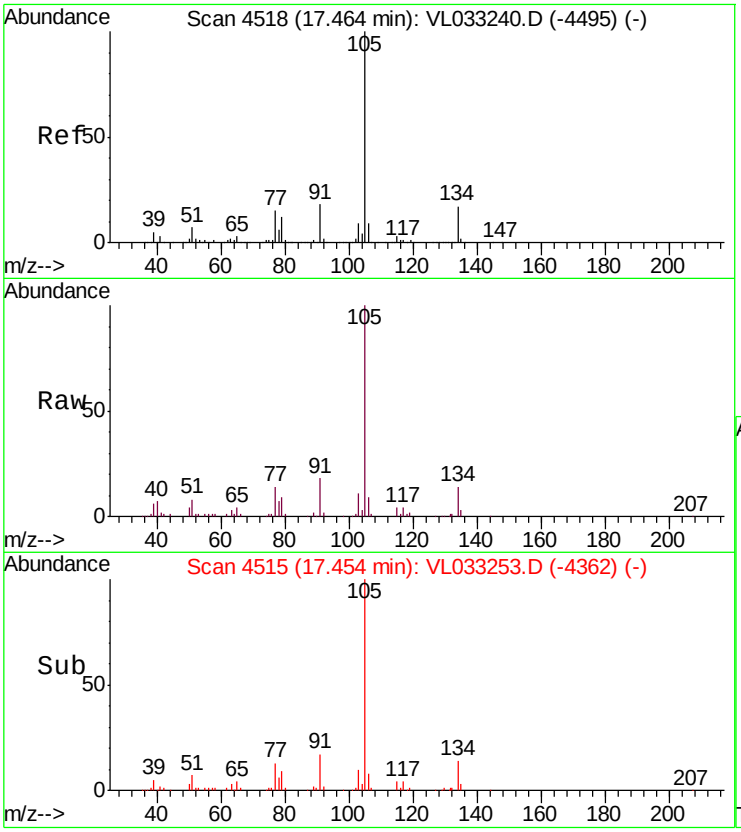


#66
Benzyl Chloride
Concen: 0.116 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 91 Resp: 12621

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.4	20.0#
128	0.0	4.2	6.2#

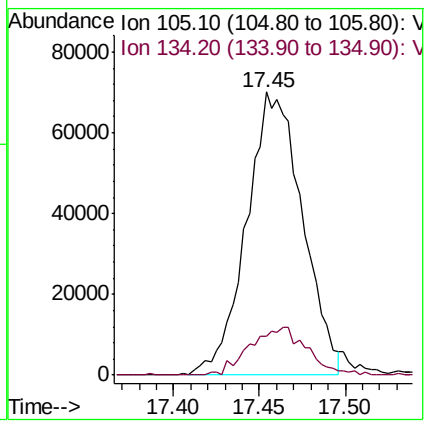


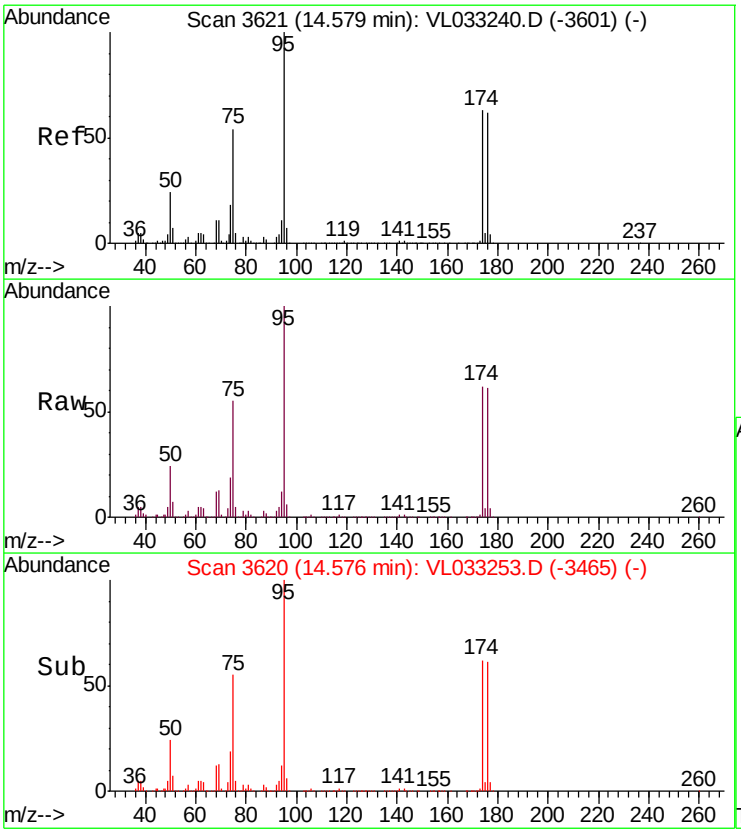


#67
sec-Butylbenzene
Concen: 0.390 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:105 Resp: 156436

Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.2	21.4

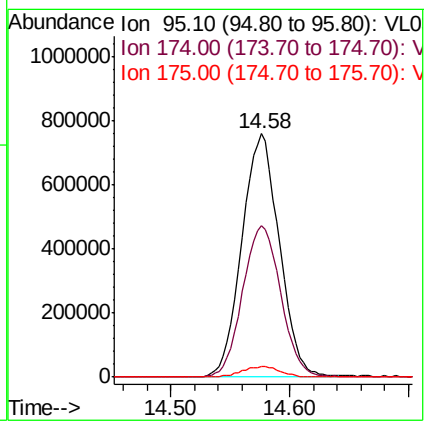


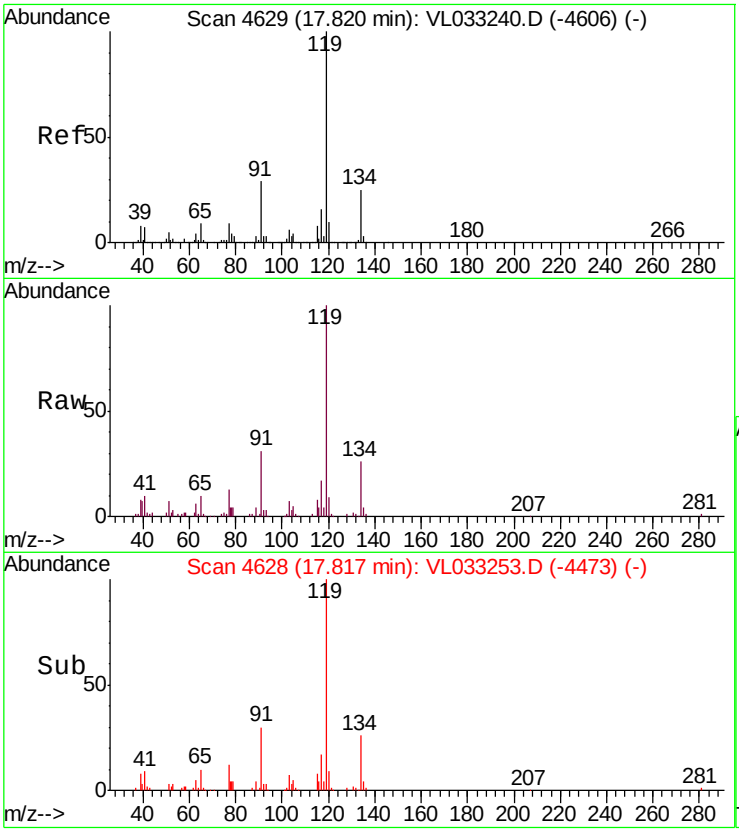


#68
1-Bromo-4-Fluorobenzene
Concen: 10.392 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 95 Resp: 1656883

Ion	Ratio	Lower	Upper
95	100		
174	63.9	51.0	76.4
175	4.6	3.8	5.6

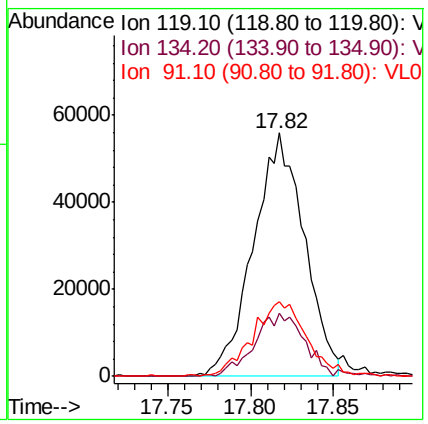


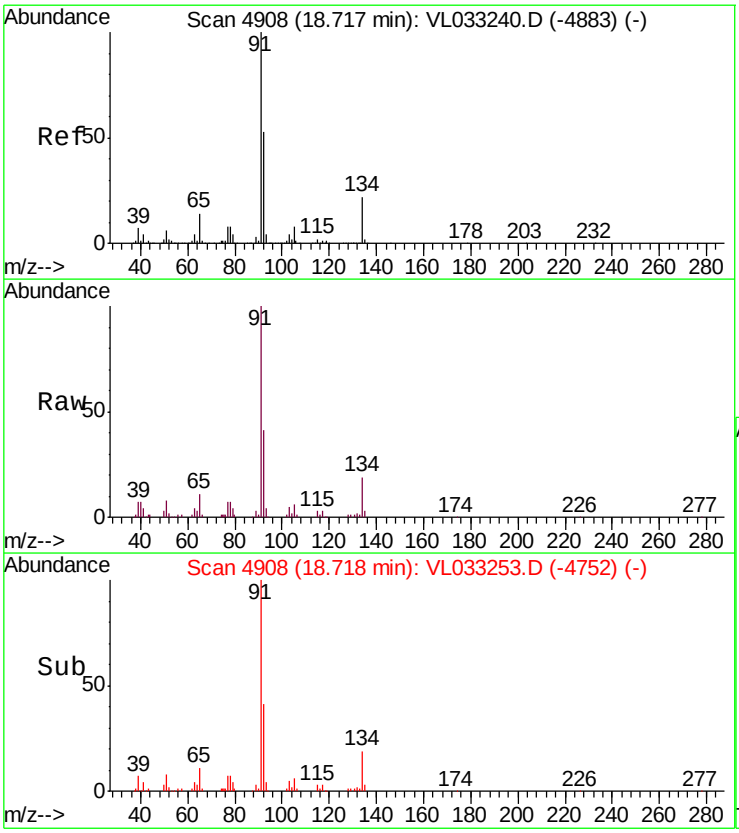


#69
p-Isopropyltoluene
Concen: 0.368 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:119 Resp: 119285

Ion	Ratio	Lower	Upper
119	100		
134	26.1	19.9	29.9
91	33.1	23.9	35.9

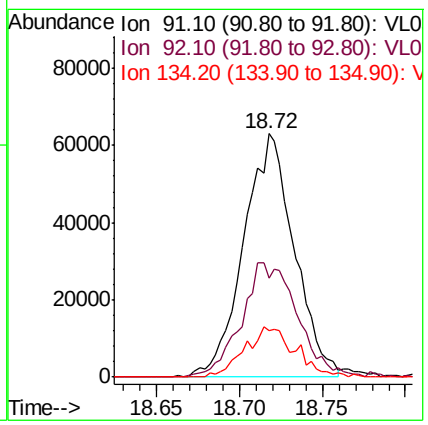


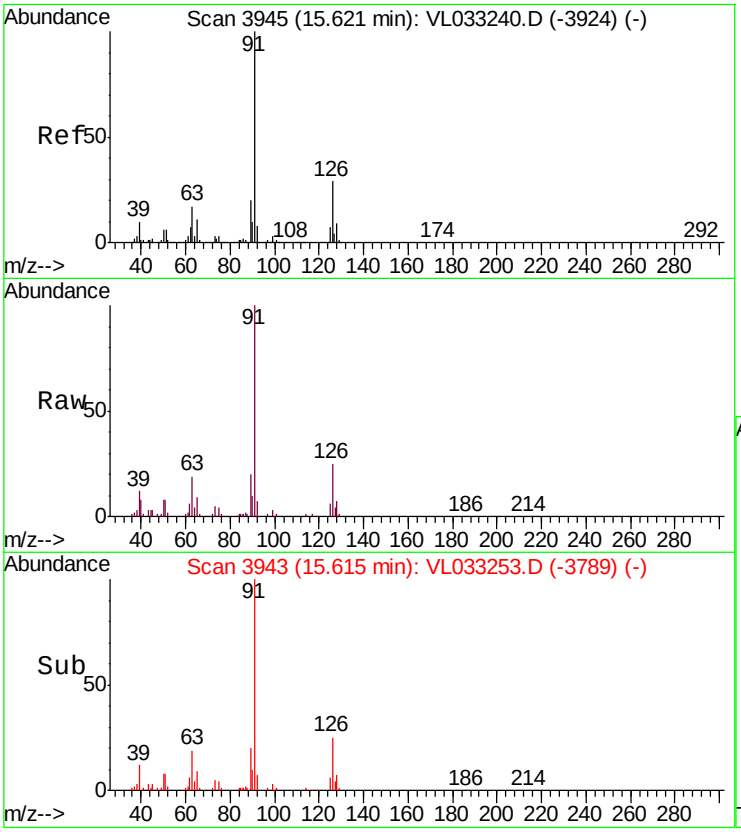


#70
n-Butylbenzene
Concen: 0.376 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 91 Resp: 133352

Ion	Ratio	Lower	Upper
91	100		
92	52.6	42.4	63.6
134	20.9	17.3	25.9

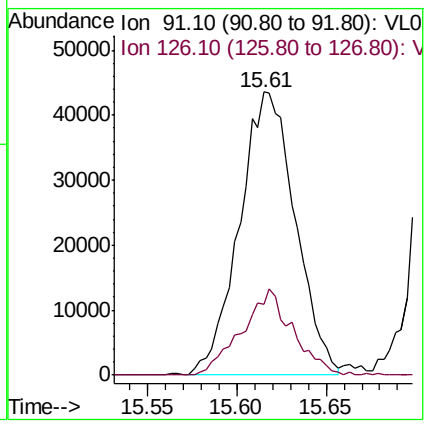


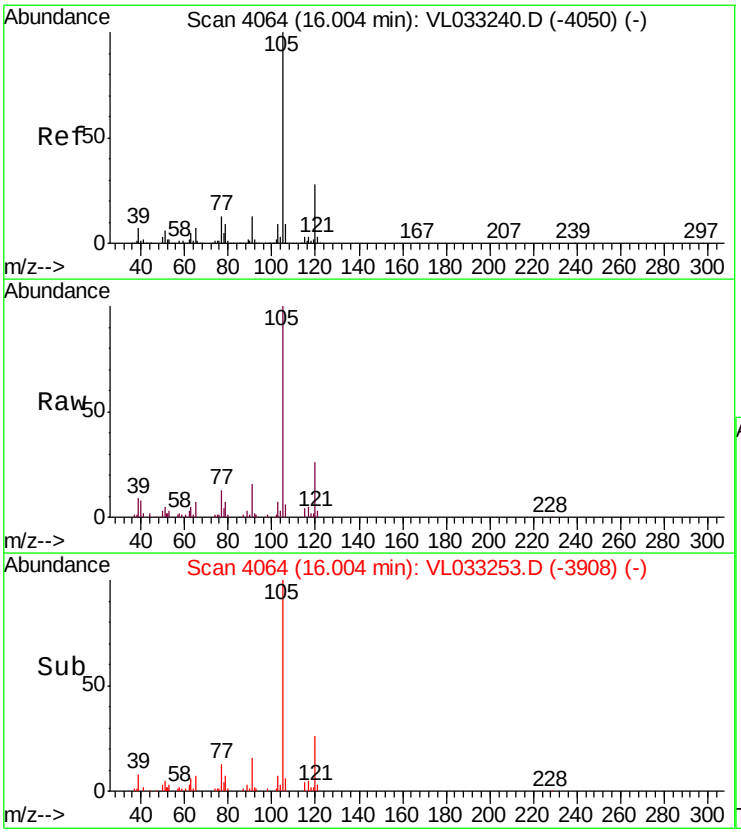


#71
2-Chlorotoluene
Concen: 0.379 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion: 91 Resp: 95275

Ion	Ratio	Lower	Upper
91	100		
126	27.6	11.6	46.2

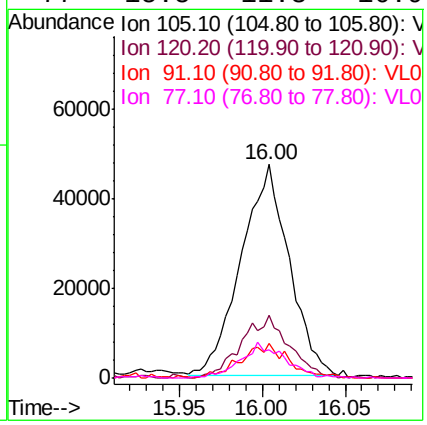


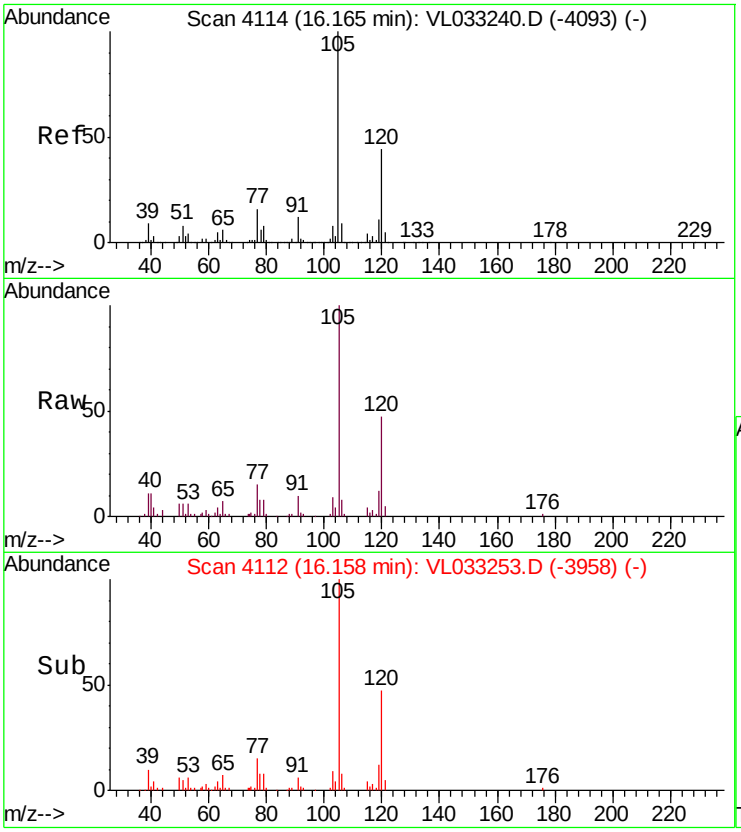


#72
4-Ethyltoluene
Concen: 0.366 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:105 Resp: 94501

Ion	Ratio	Lower	Upper
105	100		
120	30.1	22.3	33.5
91	17.4	10.3	15.5#
77	15.5	11.3	16.9

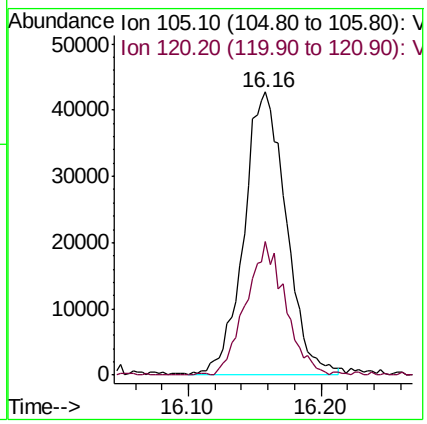


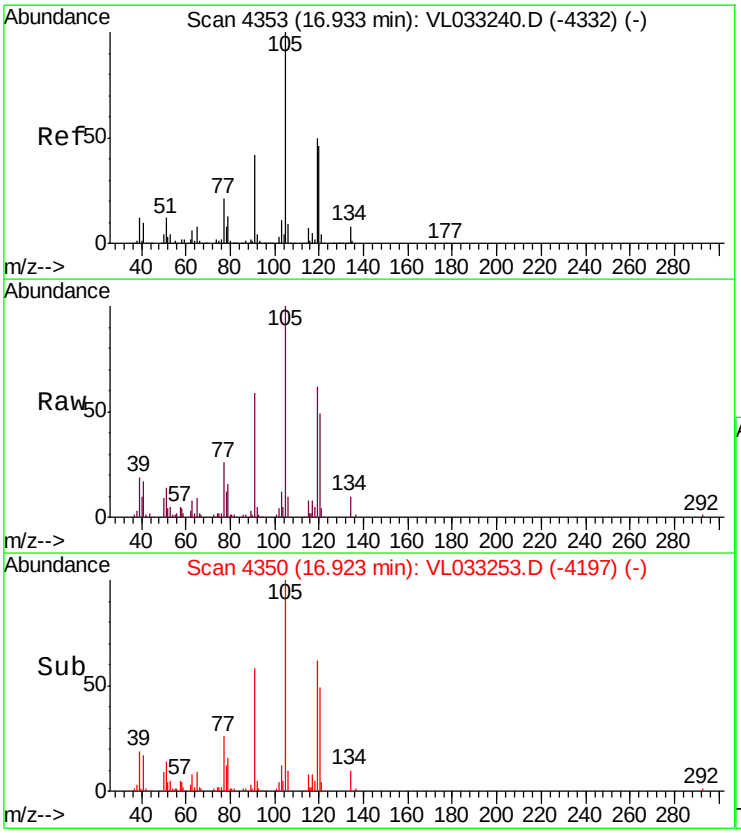


#73
1,3,5-Trimethylbenzene
Concen: 0.383 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:105 Resp: 94914

Ion	Ratio	Lower	Upper
105	100		
120	47.4	35.0	52.6

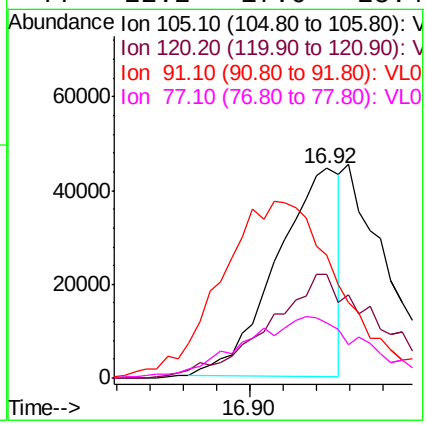


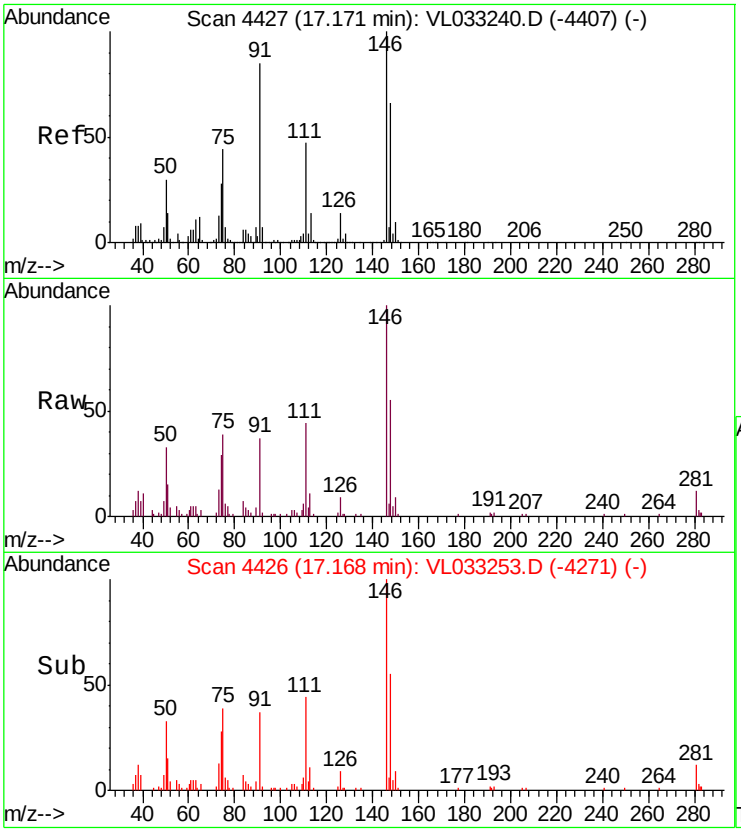


#74
1,2,4-Trimethylbenzene
Concen: 0.226 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:105 Resp: 58859

Ion	Ratio	Lower	Upper
105	100		
120	46.0	36.5	54.7
91	42.4	34.4	51.6
77	22.2	17.0	25.4

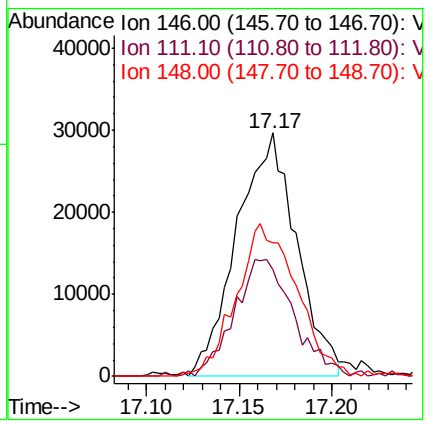


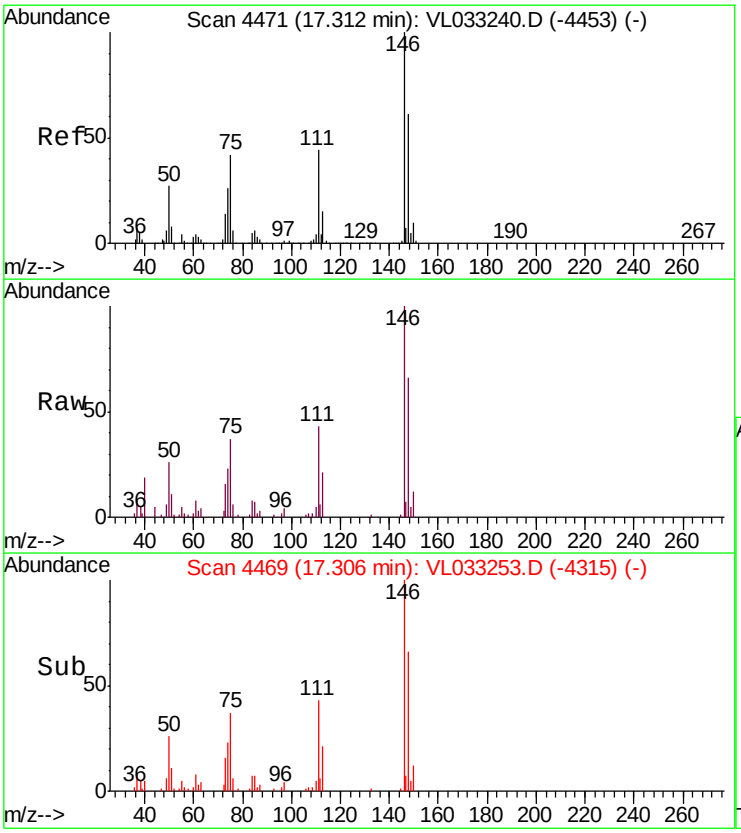


#75
1,3-Dichlorobenzene
Concen: 0.436 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:146 Resp: 66450

Ion	Ratio	Lower	Upper
146	100		
111	48.7	23.4	70.0
148	63.9	32.1	96.3

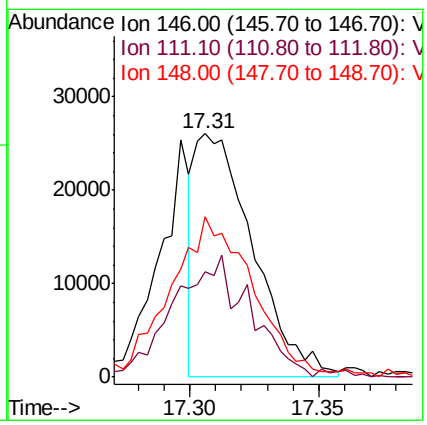


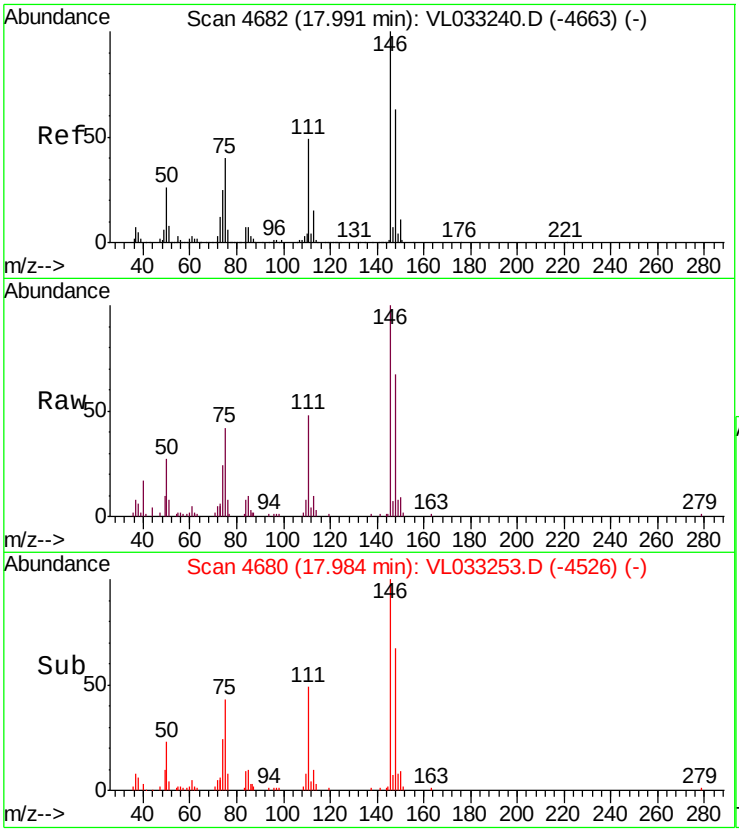


#76
1,4-Dichlorobenzene
Concen: 0.269 ppbv
RT: 17.31 min Scan# 4469
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:146 Resp: 40624

Ion	Ratio	Lower	Upper
146	100		
111	67.5	22.4	67.3#
148	96.3	32.1	96.3#

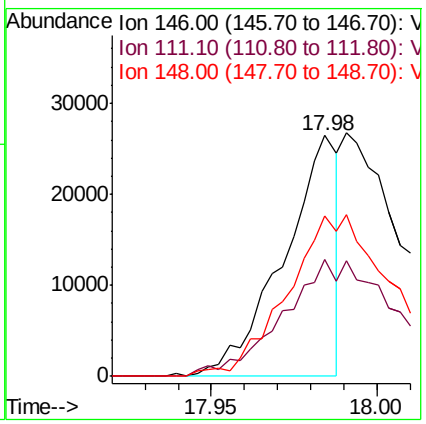


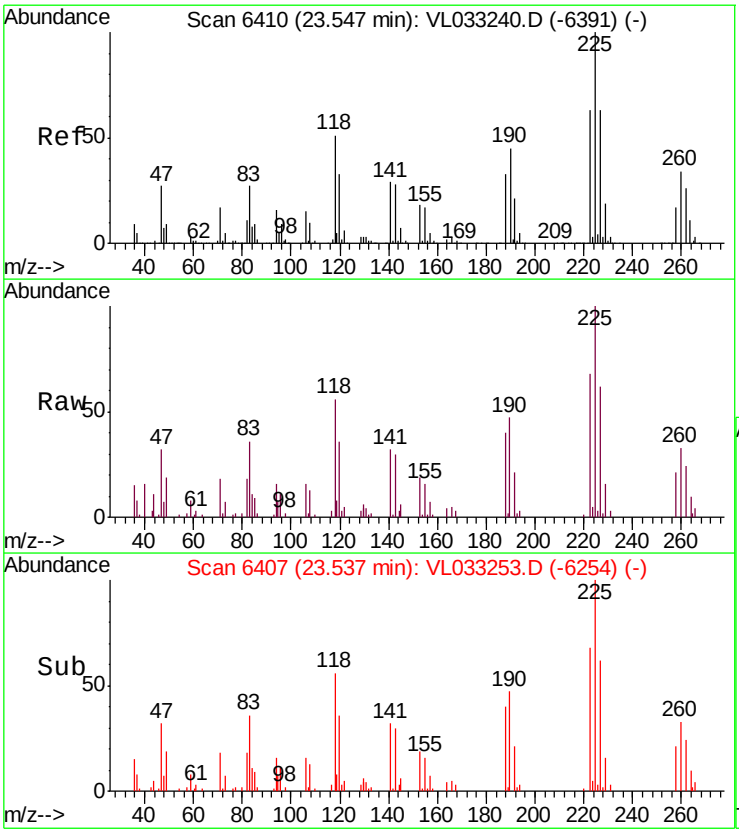


#77
1,2-Dichlorobenzene
Concen: 0.204 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:146 Resp: 30124

Ion	Ratio	Lower	Upper
146	100		
111	101.7	23.6	71.0#
148	0.0	32.3	96.9#

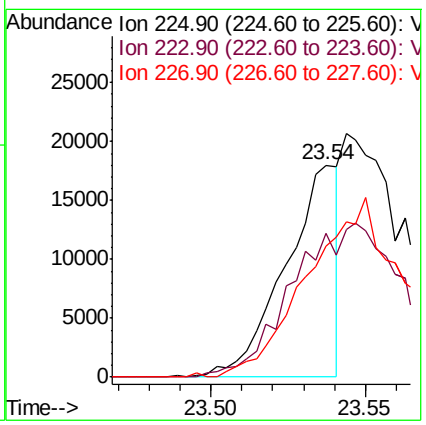


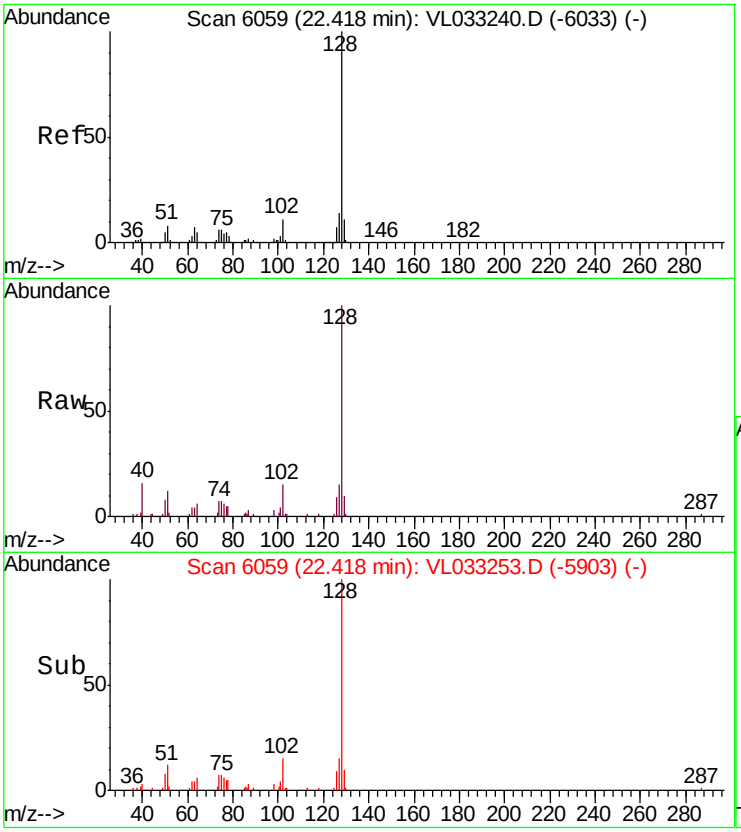


#78
Hexachloro-1,3-Butadiene
Concen: 0.203 ppbv
RT: 23.54 min Scan# 6407
Delta R.T. -0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:225 Resp: 21271

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.9	76.3#
227	0.0	50.7	76.1#

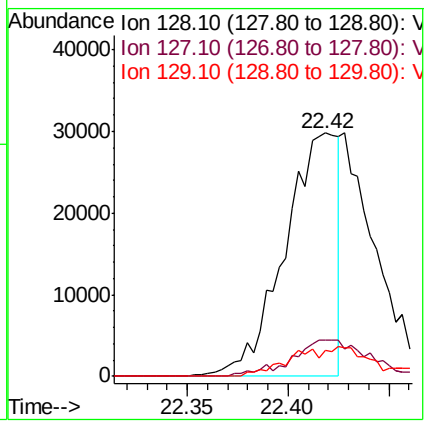


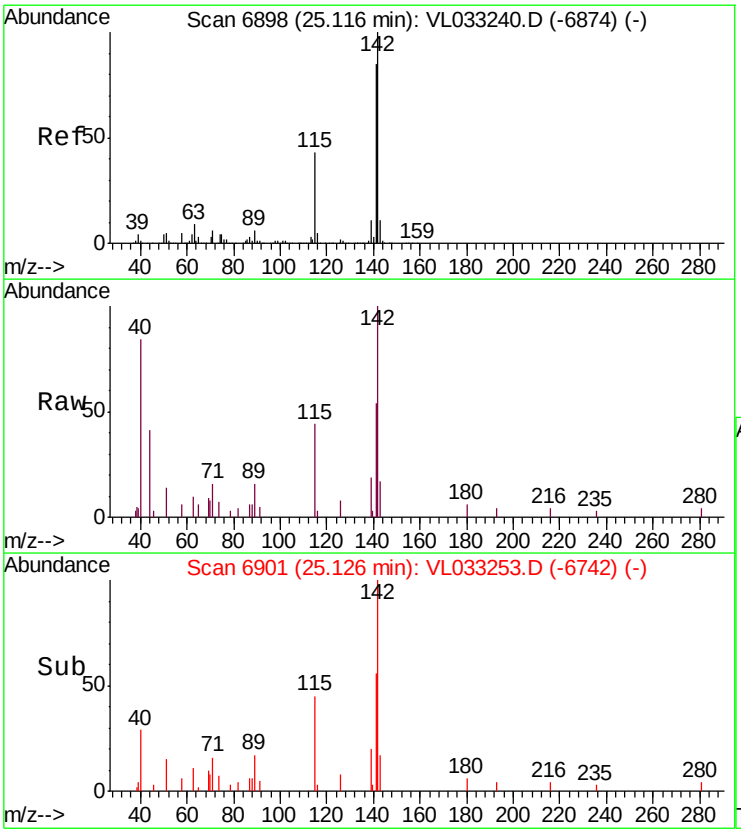


#79
Naphthalene
Concen: 0.172 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. 0.00 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:128 Resp: 54898

Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.8	16.2
129	10.5	8.6	13.0

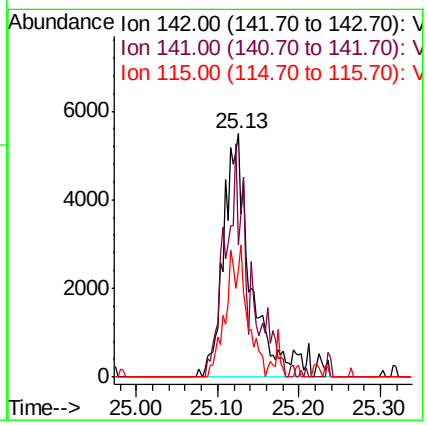


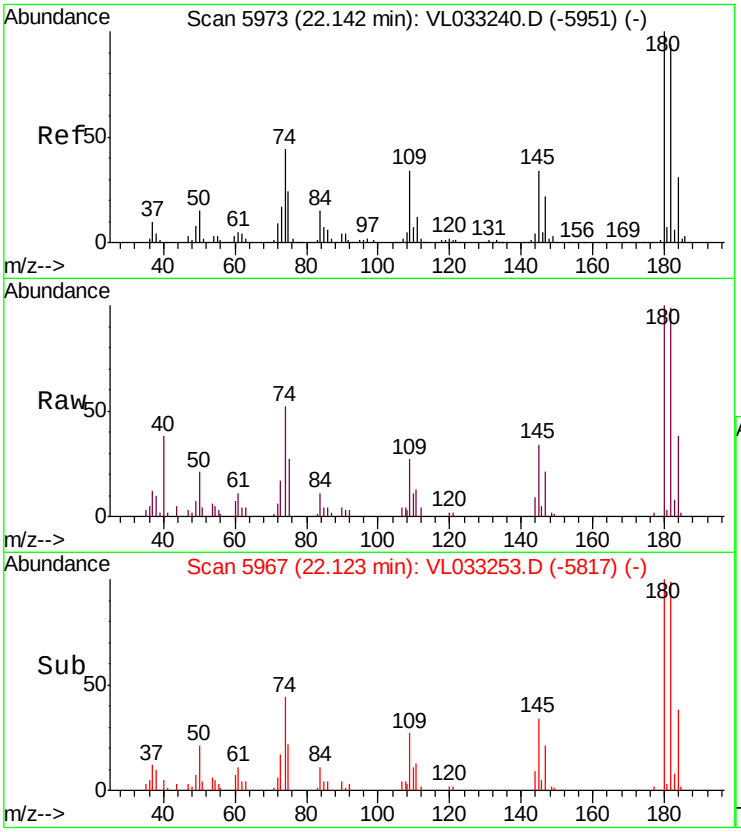


#80
Naphthalene,2-methyl-
Concen: 0.140 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.01 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:142 Resp: 13323

Ion	Ratio	Lower	Upper
142	100		
141	82.4	68.0	102.0
115	44.3	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 0.084 ppbv
RT: 22.12 min Scan# 5967
Delta R.T. -0.02 min
Lab File: VL033253.D
Acq: 6 Mar 2019 12:20

Tgt Ion:180 Resp: 13369

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.6	114.8#
184	0.0	24.3	36.5#