Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
Data File : VL036134.D
Acq On : 10 Dec 2020 19:01
Operator : SY/AP
Sample : QC120820 CAN 10320
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 13 22:43:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1334926	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2689897	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2396441	10.00	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2063299	10.84	ppbv	-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	161	0.001	ppbv #	42
3) Chlorodifluoromethane	2.96	51	67	0.000	ppbv #	59
4) Chloromethane	3.13	50	272	0.004	ppbv #	1
5) Vinyl Chloride	3.25	62	112	0.001	ppbv #	44
6) Bromomethane	3.67	94	60	0.001	ppbv #	1
7) Chloroethane	3.37	64	33	0.001	ppbv #	40
8) Dichlorotetrafluoroethane	3.04	85	137	0.001	ppbv	95
9) Propene	3.30	41	364	0.005	ppbv	94
10) Heptane	8.10	43	309	0.002	ppbv #	1
11) Trichlorofluoromethane	3.95	101	209	0.001	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.73	101	100	0.001	ppbv #	1
13) Ethanol	3.59	45	87	0.008	ppbv #	29
14) Bromoethene	3.73	108	216	0.004	ppbv #	4
16) 1,3-Butadiene	3.32	39	571	0.007	ppbv #	44
17) tert-Butyl alcohol	4.30	59	200	0.001	ppbv #	1
18) 1,1-Dichloroethene	4.28	96	79	0.001	ppbv #	47
19) Isopropyl Alcohol	3.95	45	232	0.002	ppbv #	100
21) Allyl Chloride	4.39	41	313	0.003	ppbv #	18
22) trans-1,2-Dichloroethene	4.88	96	77	0.001	ppbv #	27
23) Vinyl Acetate	5.07	43	1844	0.009	ppbv #	74
24) 1,1-Dichloroethane	5.00	63	308	0.002	ppbv #	88
25) Ethyl Acetate	5.66	43	523	0.002	ppbv #	75
26) Hexane	5.67	57	1630	0.011	ppbv #	58
27) Carbon Disulfide	4.54	76	438	0.003	ppbv #	59
28) Methyl tert-Butyl Ether	5.02	73	209	0.001	ppbv #	51
29) Chloroform	5.74	83	268	0.001	ppbv #	18
30) Cyclohexane	7.11	84	354	0.003	ppbv #	1
31) cis-1,2-Dichloroethene	5.54	61	755	0.006	ppbv #	42
32) 1,1,1-Trichloroethane	6.49	97	122	0.001	ppbv #	36
34) 2-Butanone	5.23	43	1019	0.006	ppbv #	56
35) Carbon Tetrachloride	7.00	117	47	0.000	ppbv #	13
36) Benzene	6.87	78	627	0.003	ppbv #	52
37) 1,2-Dichloroethane	6.29	62	241	0.002	ppbv #	83
38) Trichloroethene	7.81	130	162	0.002	ppbv #	5
40) 1,4-Dioxane	7.81	88	239	0.008	ppbv #	1
41) Tetrahydrofuran	6.04	42	259	0.002	ppbv #	40
42) Bromodichloromethane	7.77	83	375	0.002	ppbv #	68
43) Methyl Methacrylate	8.01	69	118	0.001	ppbv #	1
44) 2,2,4-Trimethylpentane	7.85	57	363	0.001	ppbv #	41
45) t-1,3-Dichloropropene	9.27	75	92	0.001	ppbv #	42
46) cis-1,3-Dichloropropene	8.78	75	182	0.001	ppbv #	1

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
Data File : VL036134.D
Acq On : 10 Dec 2020 19:01
Operator : SY/AP
Sample : QC120820 CAN 10320
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 13 22:43:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

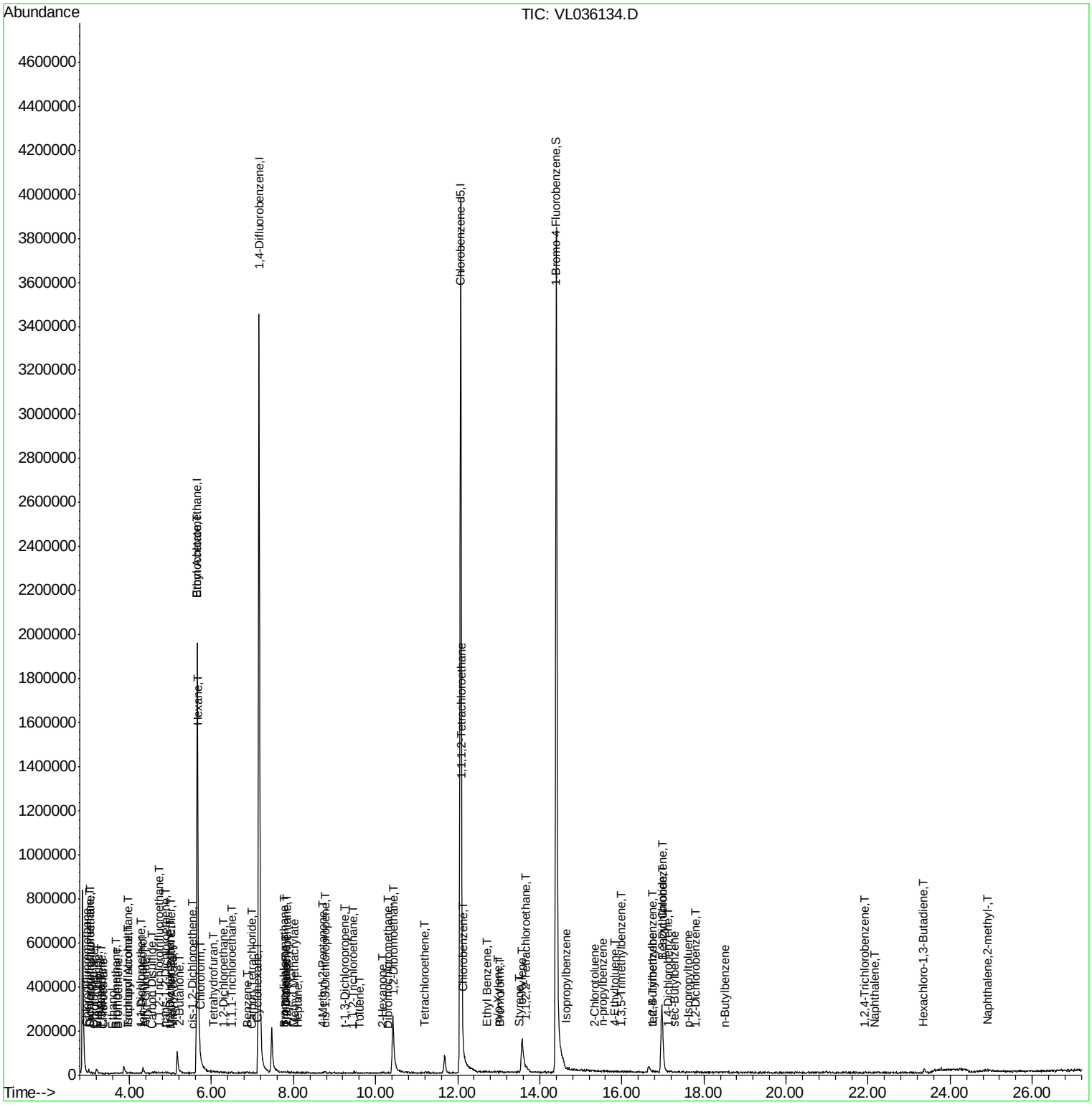
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
47) 1,1,2-Trichloroethane	9.45	97	224	0.003 ppbv #	33
48) Dibromochloromethane	10.28	129	115	0.001 ppbv #	1
49) Bromoform	13.03	173	120	0.001 ppbv #	85
50) 4-Methyl-2-Pentanone	8.71	43	231	0.001 ppbv #	40
51) 2-Hexanone	10.16	43	624	0.003 ppbv #	35
52) Tetrachloroethene	11.19	164	289	0.004 ppbv #	15
53) Toluene	9.62	91	93	0.000 ppbv	84
54) 1,2-Dibromoethane	10.45	107	81	0.001 ppbv	83
56) 1,1,1,2-Tetrachloroethane	12.11	131	203	0.002 ppbv #	8
57) Chlorobenzene	12.14	112	132	0.001 ppbv #	38
58) Ethyl Benzene	12.70	91	385	0.001 ppbv #	46
59) m/p-Xylene	12.99	91	429	0.002 ppbv #	1
60) o-Xylene	13.55	91	220	0.001 ppbv	77
61) Styrene	13.50	104	210	0.001 ppbv #	25
62) Isopropylbenzene	14.65	105	637	0.002 ppbv	92
63) 1,1,2,2-Tetrachloroethane	13.67	83	288	0.002 ppbv #	8
64) n-propylbenzene	15.54	120	31	0.000 ppbv #	1
65) tert-Butylbenzene	16.73	119	123	0.000 ppbv #	1
66) Benzyl Chloride	16.97	91	155	0.002 ppbv #	1
67) sec-Butylbenzene	17.27	105	334	0.001 ppbv #	60
69) p-Isopropyltoluene	17.62	119	223	0.001 ppbv #	1
70) n-Butylbenzene	18.52	91	350	0.001 ppbv #	34
71) 2-Chlorotoluene	15.34	91	212	0.001 ppbv	93
72) 4-Ethyltoluene	15.82	105	618	0.002 ppbv #	55
73) 1,3,5-Trimethylbenzene	15.97	105	348	0.001 ppbv #	86
74) 1,2,4-Trimethylbenzene	16.74	105	587	0.002 ppbv #	31
75) 1,3-Dichlorobenzene	16.98	146	122	0.001 ppbv #	1
76) 1,4-Dichlorobenzene	17.13	146	581	0.004 ppbv	89
77) 1,2-Dichlorobenzene	17.79	146	140	0.001 ppbv #	21
78) Hexachloro-1,3-Butadiene	23.35	225	108	0.001 ppbv #	18
79) Naphthalene	22.16	128	68	0.000 ppbv #	67
80) Naphthalene,2-methyl-	24.91	142	255	0.008 ppbv #	56
81) 1,2,4-Trichlorobenzene	21.91	180	30	0.000 ppbv #	100

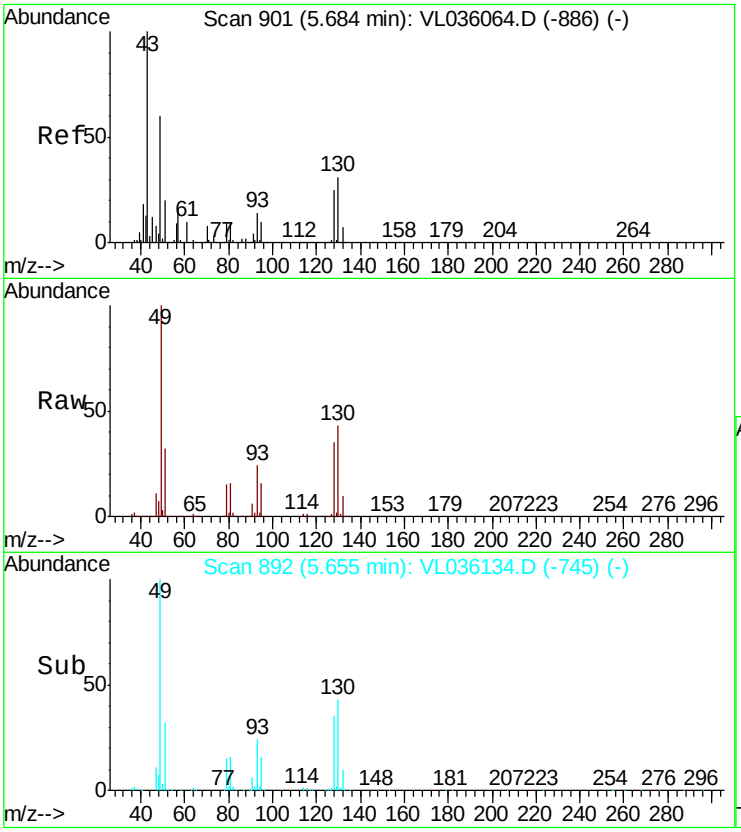
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
Data File : VL036134.D
Acq On : 10 Dec 2020 19:01
Operator : SY/AP
Sample : QC120820 CAN 10320
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 13 22:43:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

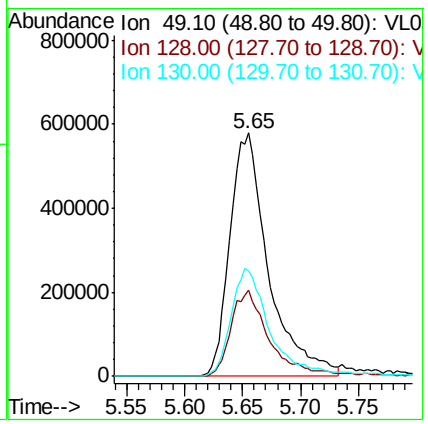


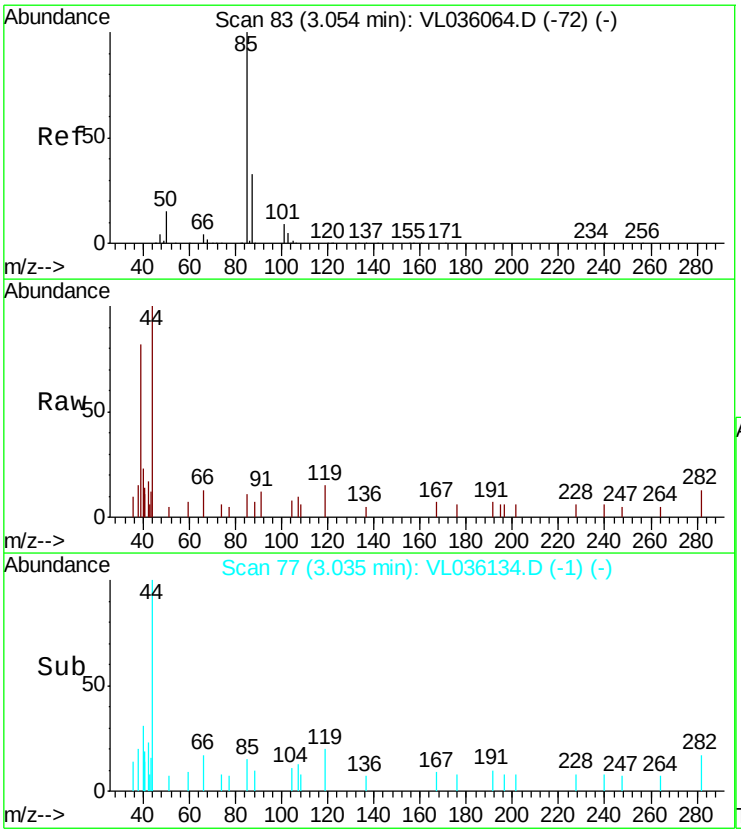


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 49 Resp: 1334926

Ion	Ratio	Lower	Upper
49	100		
128	36.6	21.1	63.1
130	45.9	27.1	81.3

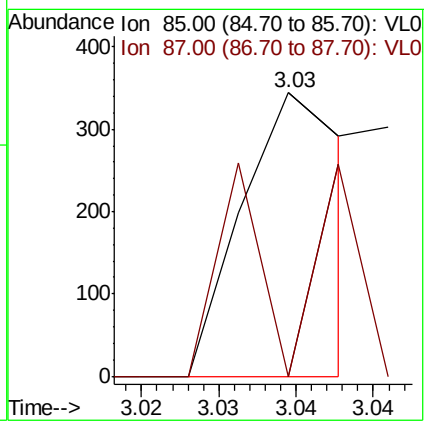


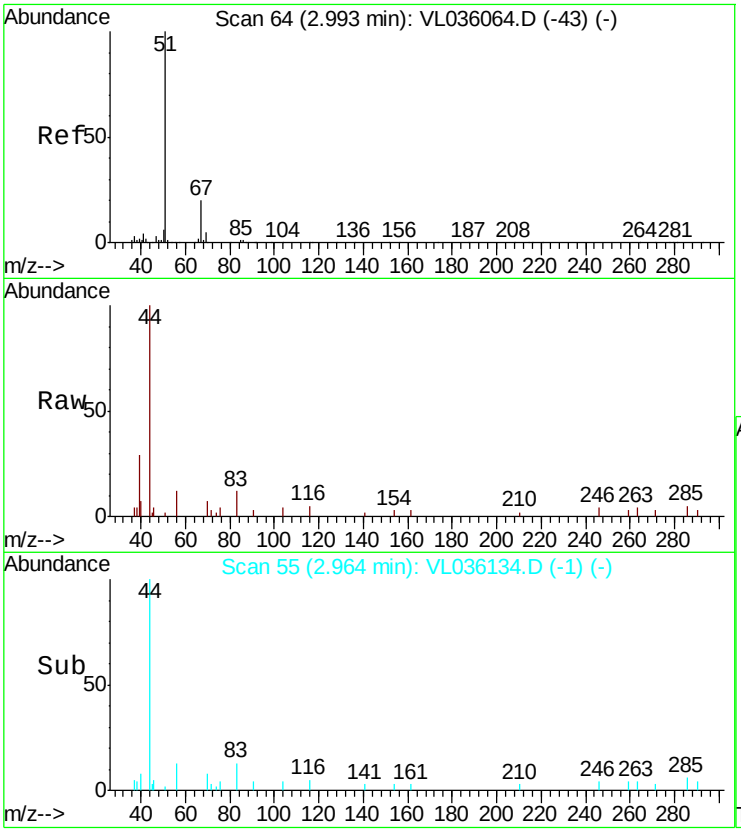


#2
Dichlorodifluoromethane
Concen: 0.001 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.02 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 85 Resp: 161

Ion	Ratio	Lower	Upper
85	100		
87	0.0	26.5	39.7#

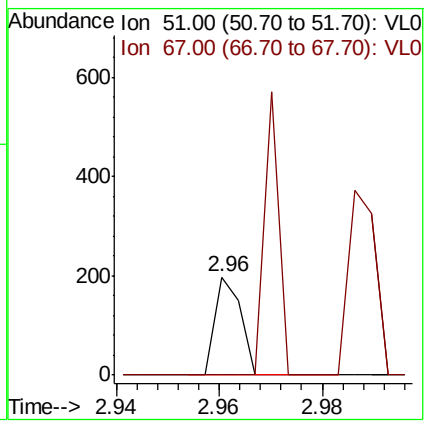


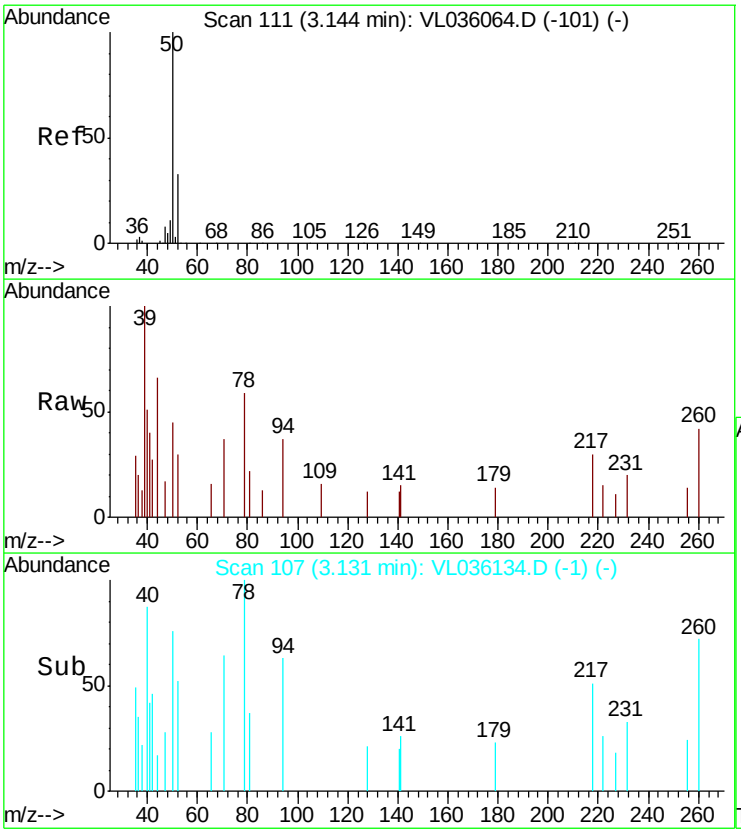


#3
Chlorodifluoromethane
Concen: 0.000 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.03 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 51 Resp: 67

Ion	Ratio	Lower	Upper
51	100		
67	0.0	14.3	21.5#

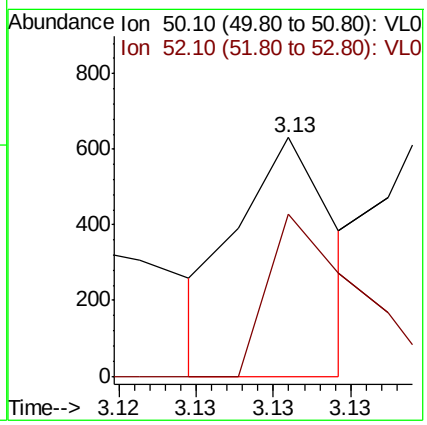


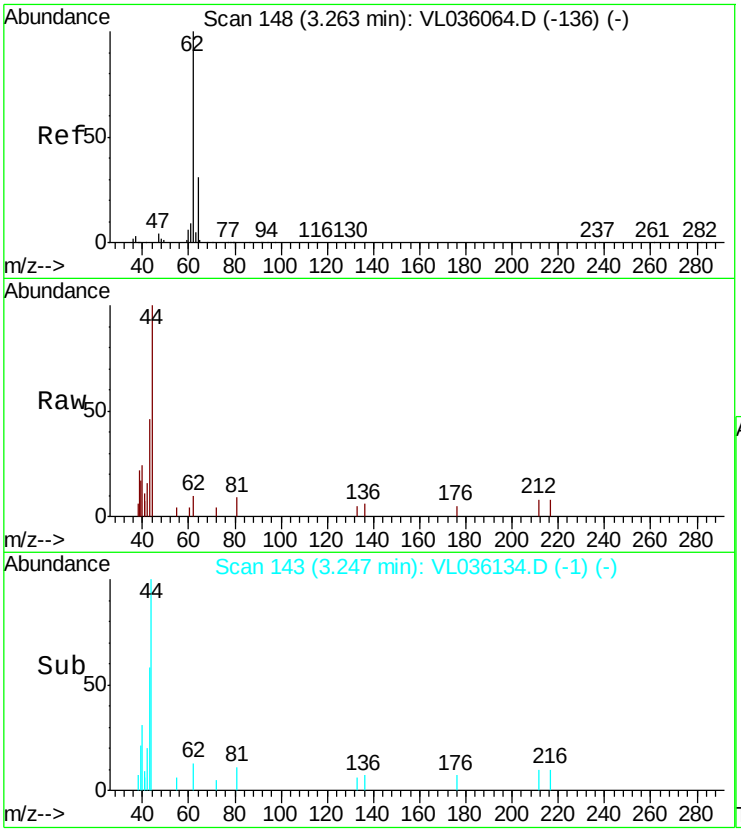


#4
Chloromethane
Concen: 0.004 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 50 Resp: 272

Ion	Ratio	Lower	Upper
50	100		
52	115.1	26.1	39.1#

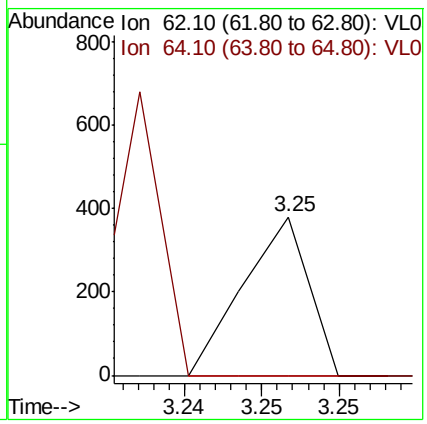


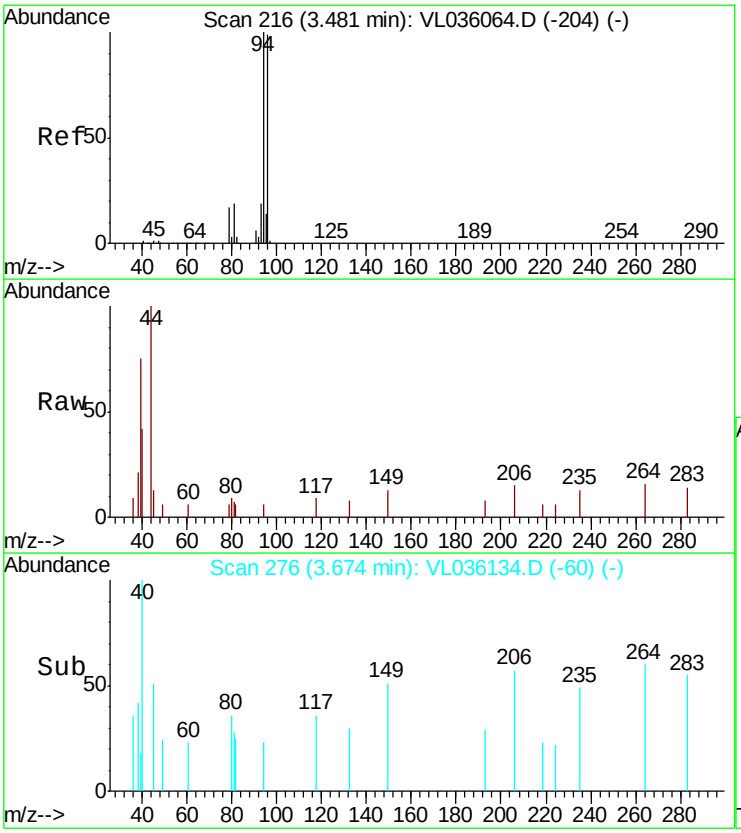


#5
Vinyl Chloride
Concen: 0.001 ppbv
RT: 3.25 min Scan# 143
Delta R.T. -0.02 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 62 Resp: 112

Ion	Ratio	Lower	Upper
62	100		
64	0.0	24.5	36.7#

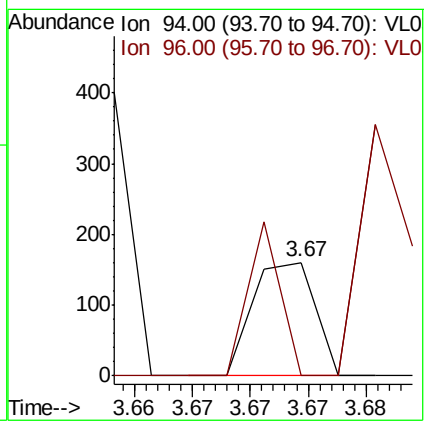


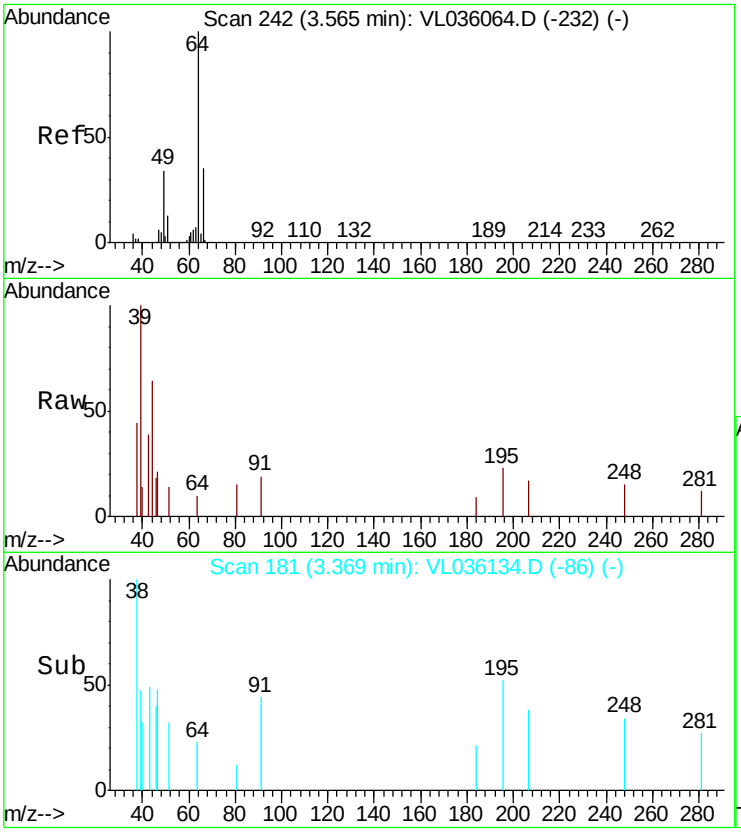


#6
Bromomethane
Concen: 0.001 ppbv
RT: 3.67 min Scan# 276
Delta R.T. 0.19 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 94 Resp: 60

Ion	Ratio	Lower	Upper
94	100		
96	0.0	79.4	119.0#

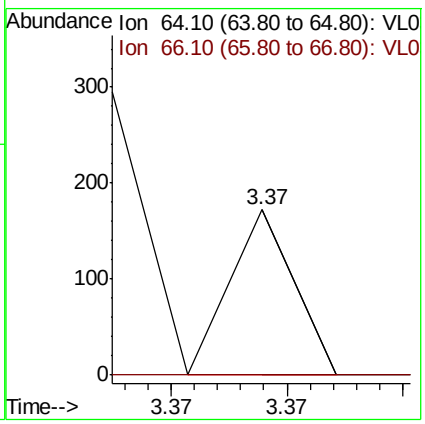


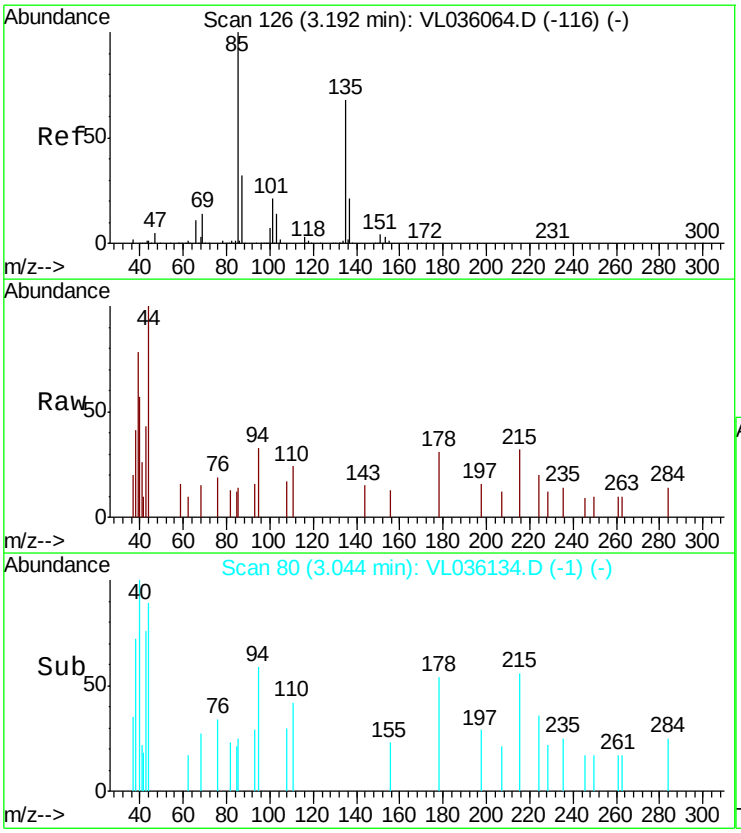


#7
Chloroethane
Concen: 0.001 ppbv
RT: 3.37 min Scan# 181
Delta R.T. -0.20 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 64 Resp: 33

Ion	Ratio	Lower	Upper
64	100		
66	0.0	27.7	41.5#

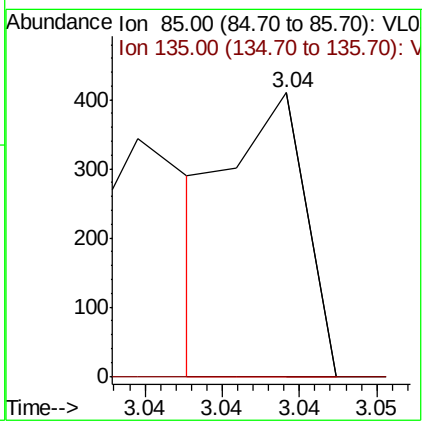


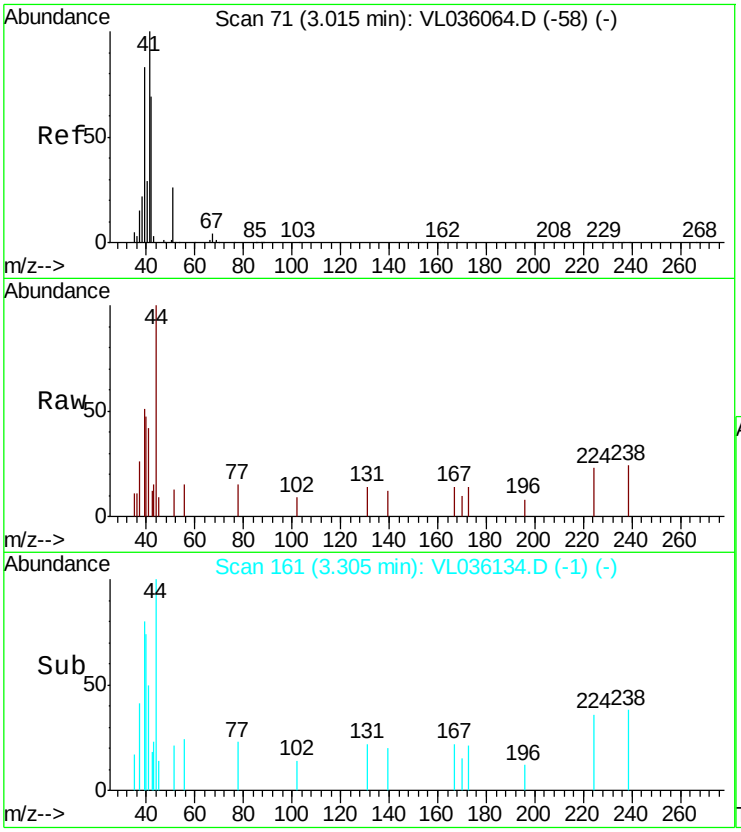


#8
Dichlorotetrafluoroethane
Concen: 0.001 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.15 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 85 Resp: 137

Ion	Ratio	Lower	Upper
85	100		
135	63.5	53.8	80.8

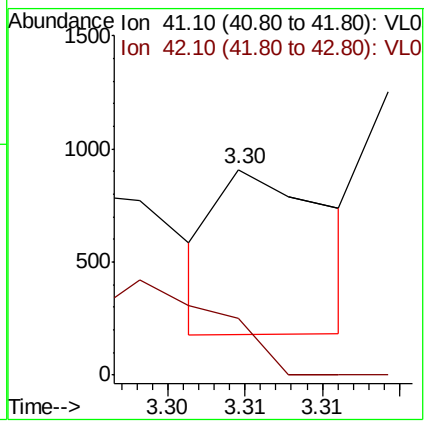


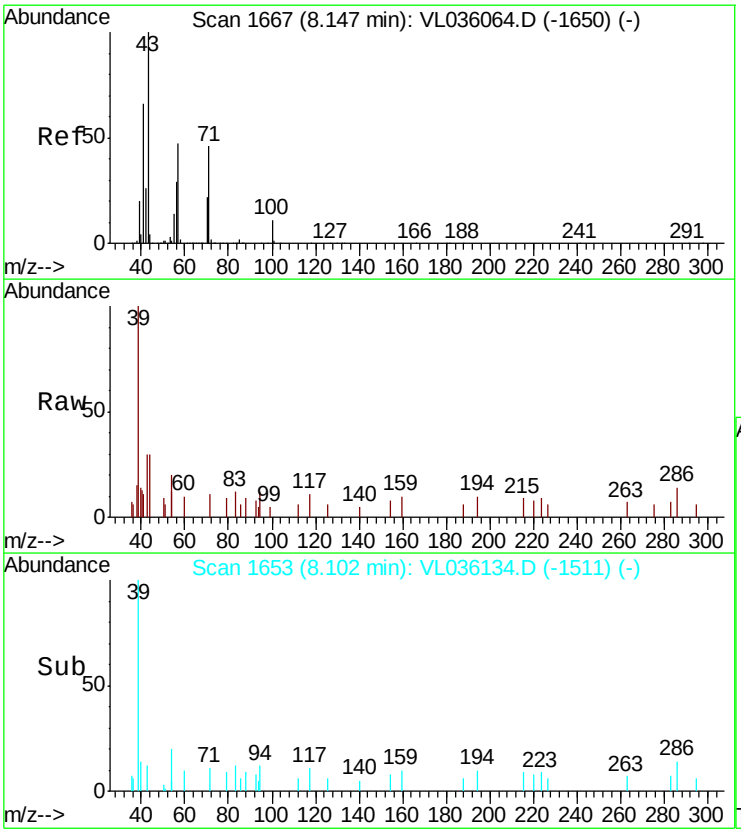


#9
Propene
Concen: 0.005 ppbv
RT: 3.30 min Scan# 161
Delta R.T. 0.29 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 41 Resp: 364

Ion	Ratio	Lower	Upper
41	100		
42	65.9	57.0	85.6

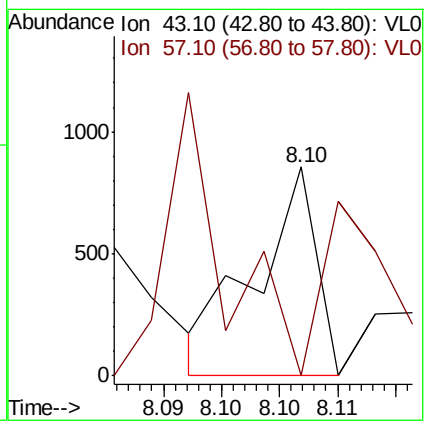


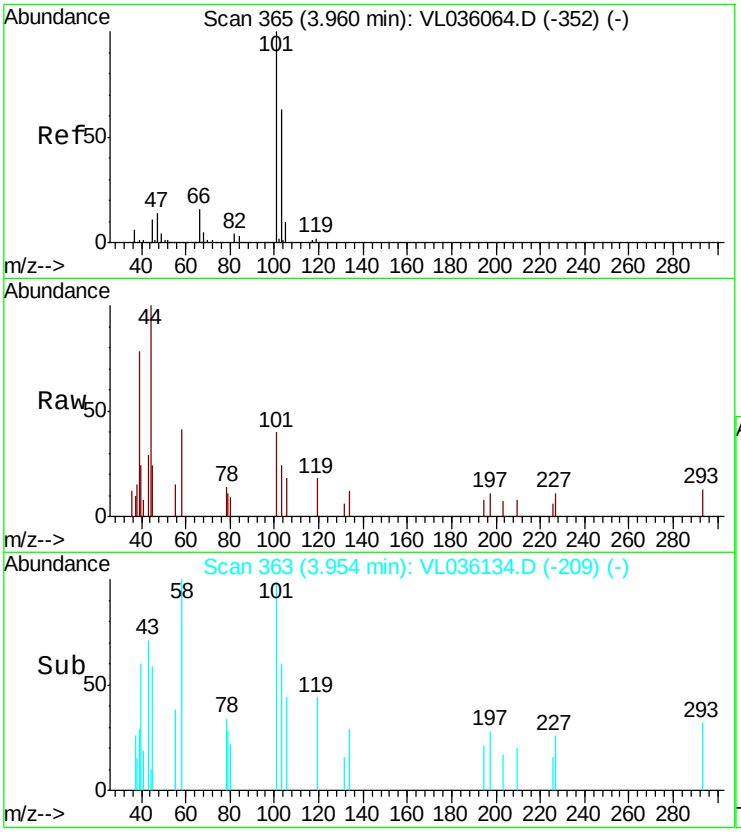


#10
Heptane
Concen: 0.002 ppbv
RT: 8.10 min Scan# 1653
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 43 Resp: 309

Ion	Ratio	Lower	Upper
43	100		
57	227.8	37.9	56.9#

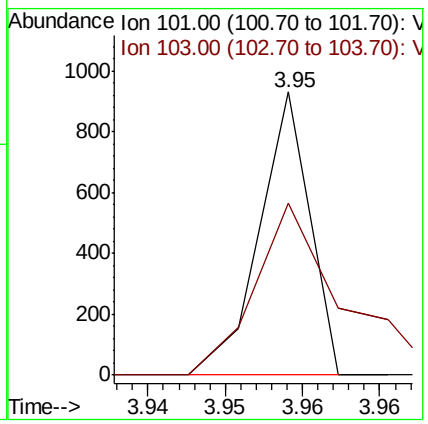


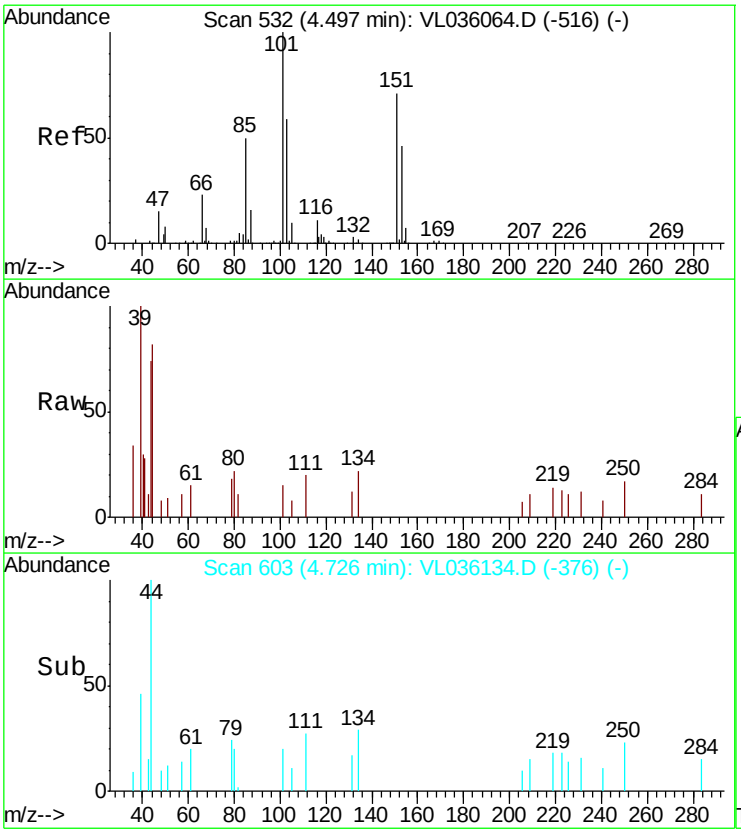


#11
Trichlorofluoromethane
Concen: 0.001 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.01 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:101 Resp: 209

Ion	Ratio	Lower	Upper
101	100		
103	60.7	50.3	75.5

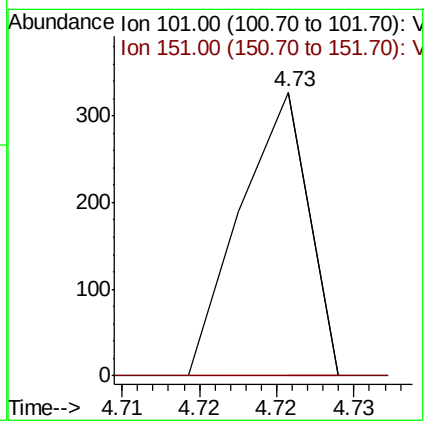


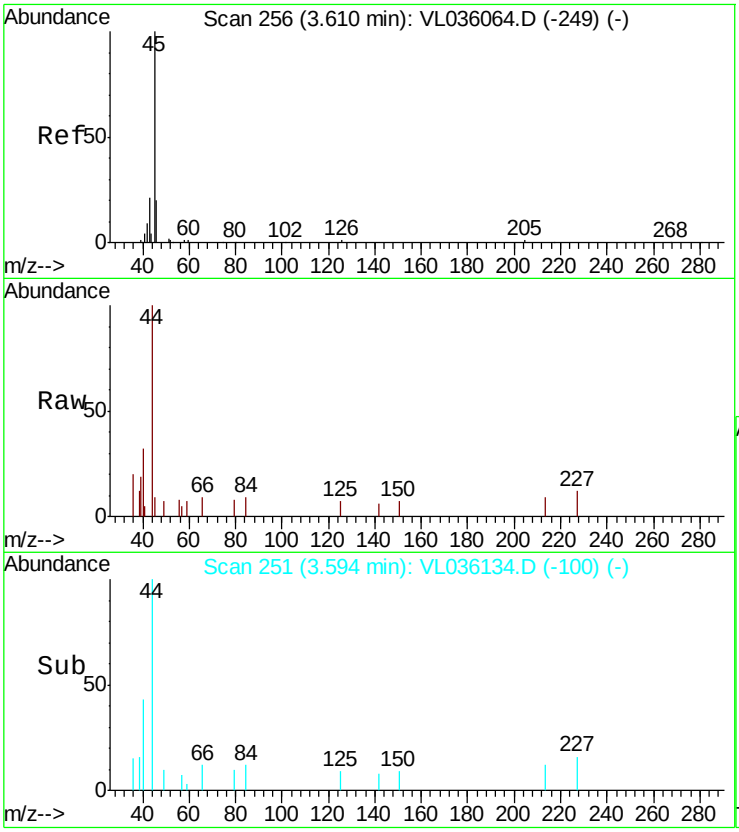


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.001 ppbv
RT: 4.73 min Scan# 603
Delta R.T. 0.23 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:101 Resp: 100

Ion	Ratio	Lower	Upper
101	100		
151	224.0	59.3	88.9#

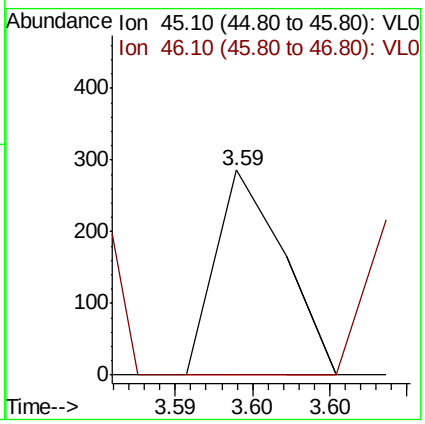


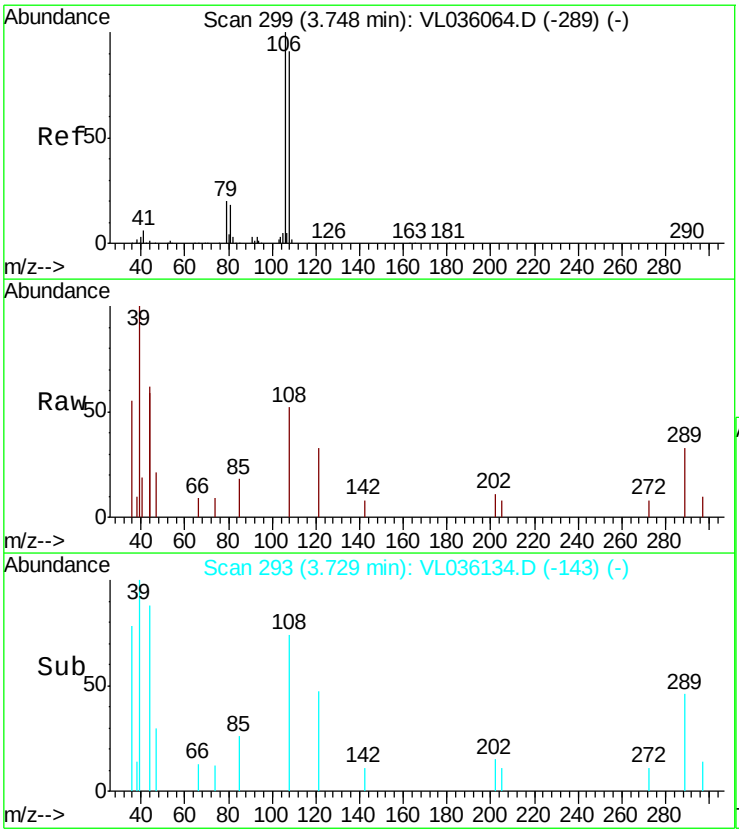


#13
Ethanol
Concen: 0.008 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.02 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 45 Resp: 87

Ion	Ratio	Lower	Upper
45	100		
46	0.0	19.0	75.8#

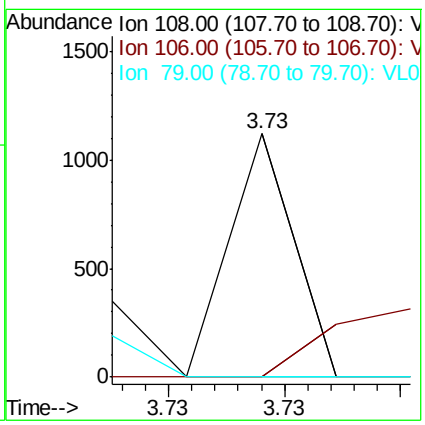


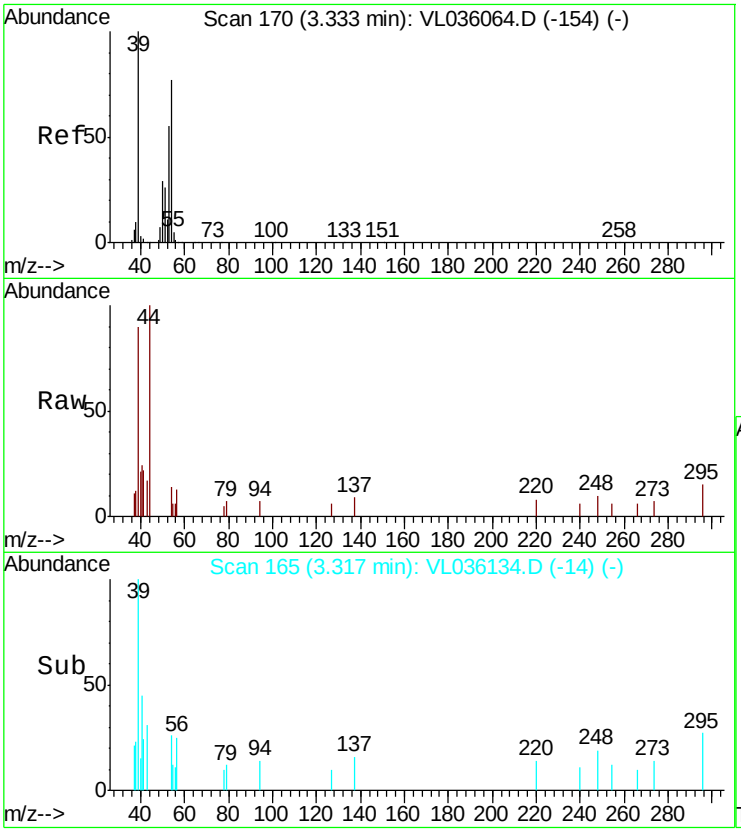


#14
Bromoethene
Concen: 0.004 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.02 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:108 Resp: 216

Ion	Ratio	Lower	Upper
108	100		
106	0.0	91.0	136.4#
79	0.0	19.3	28.9#

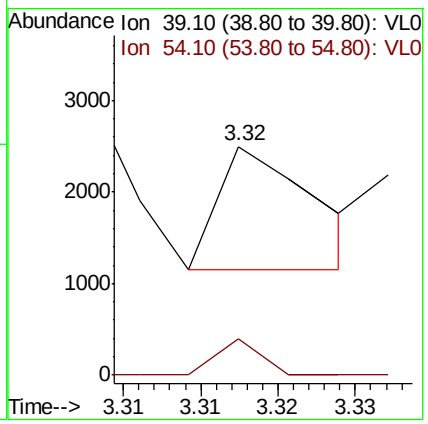


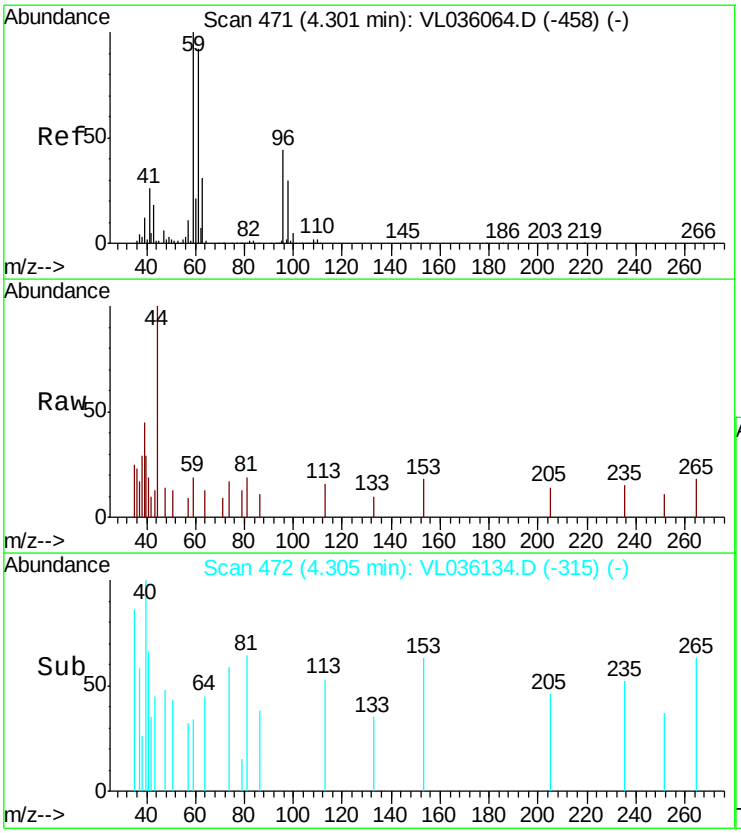


#16
1,3-Butadiene
Concen: 0.007 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.02 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 39 Resp: 571

Ion	Ratio	Lower	Upper
39	100		
54	28.9	62.1	93.1#

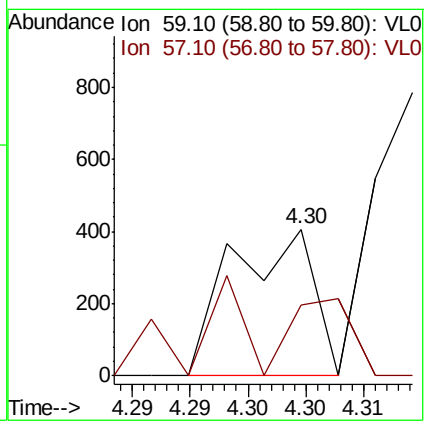


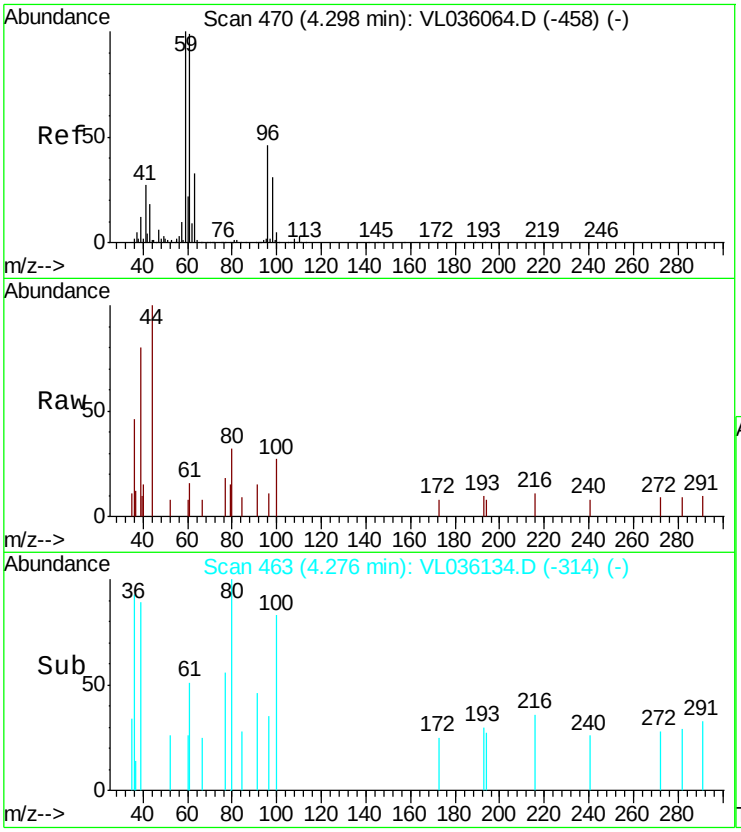


#17
tert-Butyl alcohol
Concen: 0.001 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.00 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 59 Resp: 200

Ion	Ratio	Lower	Upper
59	100		
57	82.0	8.7	13.1#

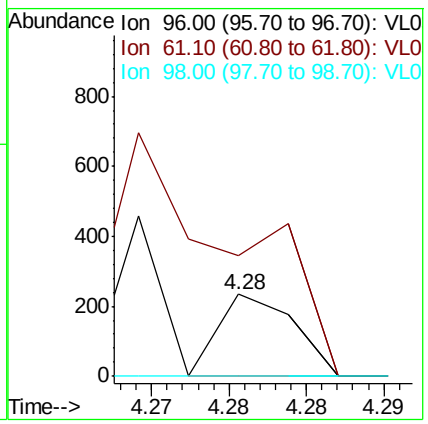


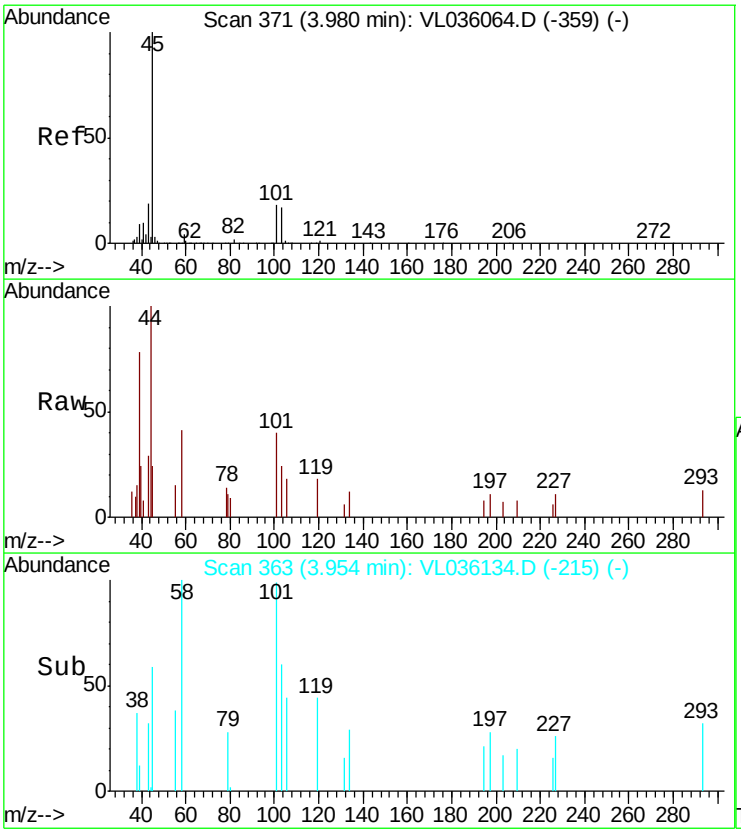


#18
1,1-Dichloroethene
Concen: 0.001 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.02 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 96 Resp: 79

Ion	Ratio	Lower	Upper
96	100		
61	146.8	171.4	257.2#
98	0.0	54.2	81.2#

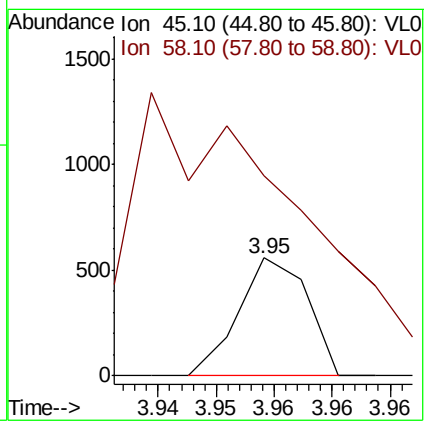


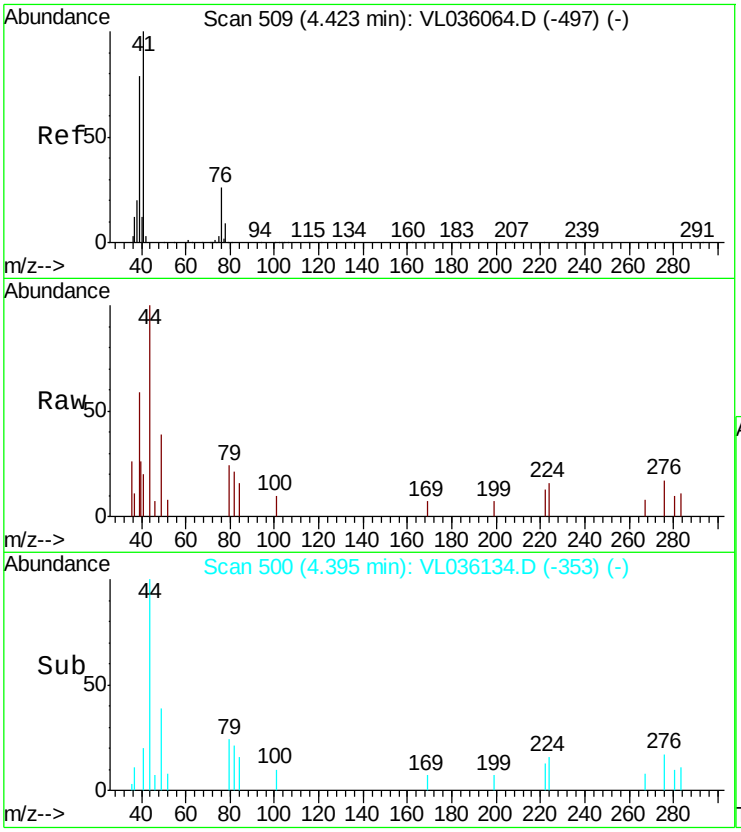


#19
Isopropyl Alcohol
Concen: 0.002 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.03 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 45 Resp: 232

Ion	Ratio	Lower	Upper
45	100		
58	0.0	0.0	0.0

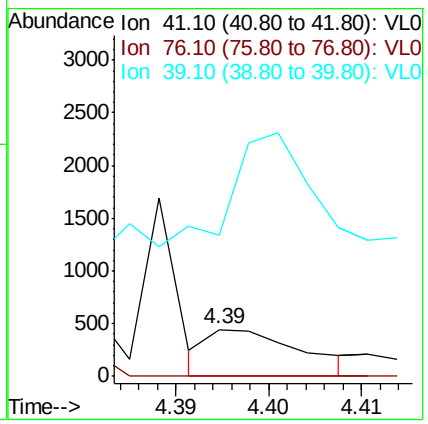


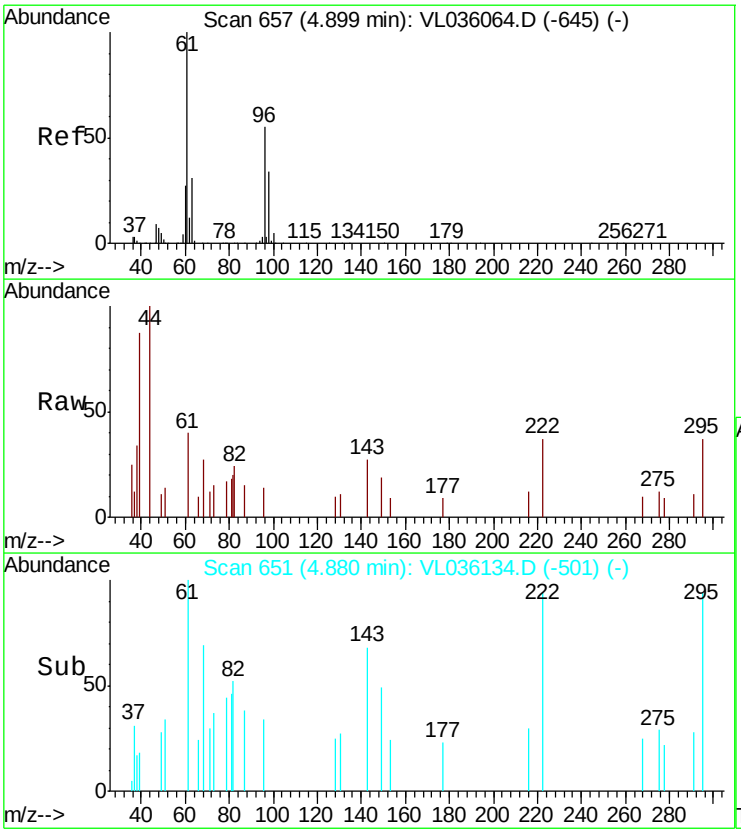


#21
Allvl Chloride
Concen: 0.003 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.03 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 41 Resp: 313

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.0	31.4#
39	0.0	66.0	99.0#

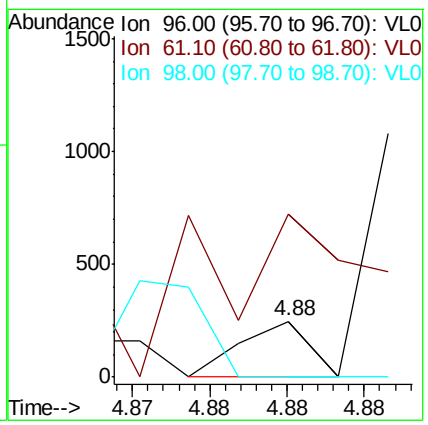


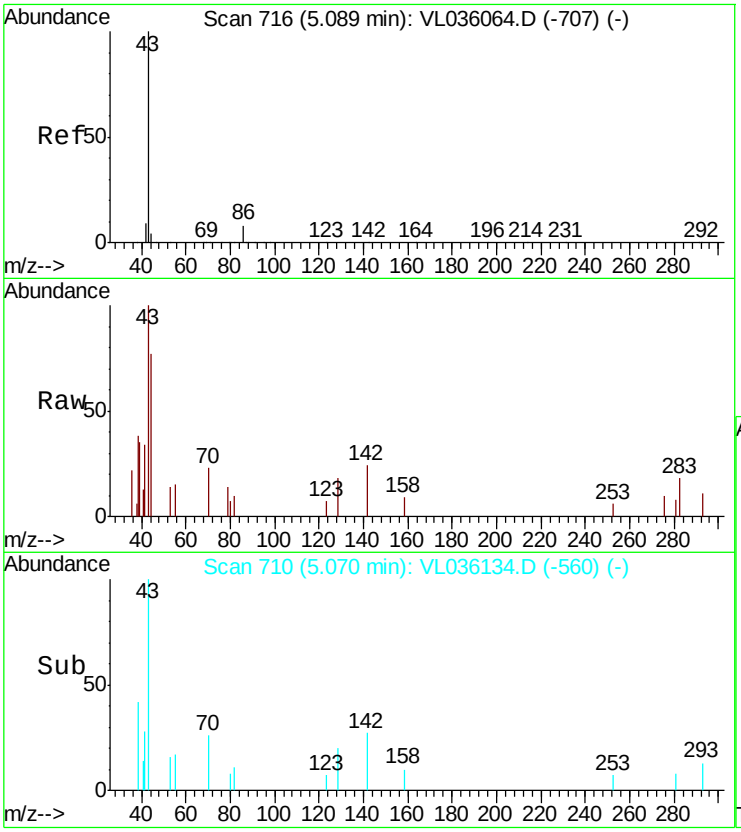


#22
trans-1,2-Dichloroethene
Concen: 0.001 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.02 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 96 Resp: 77

Ion	Ratio	Lower	Upper
96	100		
61	81.0	145.7	218.5#
98	0.0	49.2	73.8#

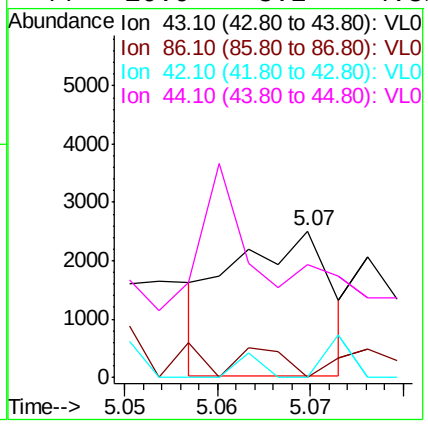


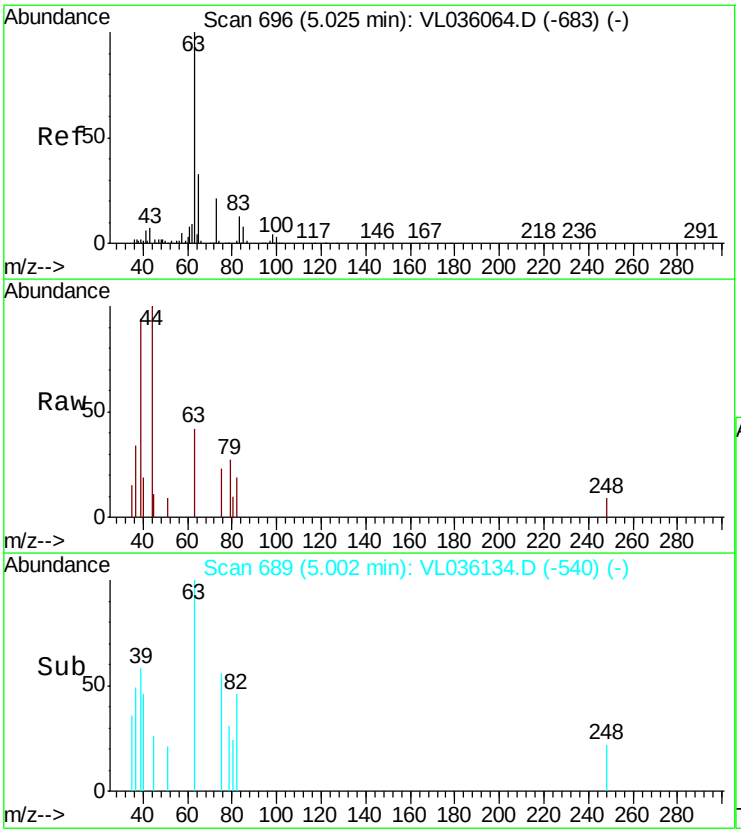


#23
Vinyl Acetate
Concen: 0.009 ppbv
RT: 5.07 min Scan# 710
Delta R.T. -0.02 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 43 Resp: 1844

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#
42	0.0	7.8	11.6#
44	16.9	3.2	4.8#

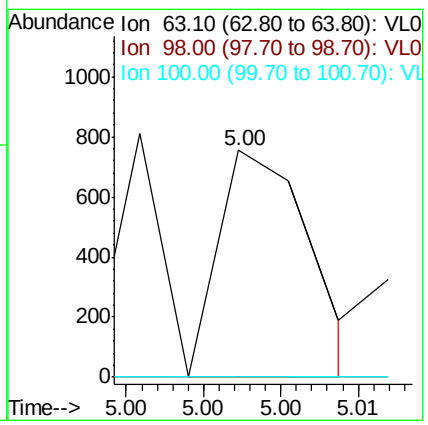


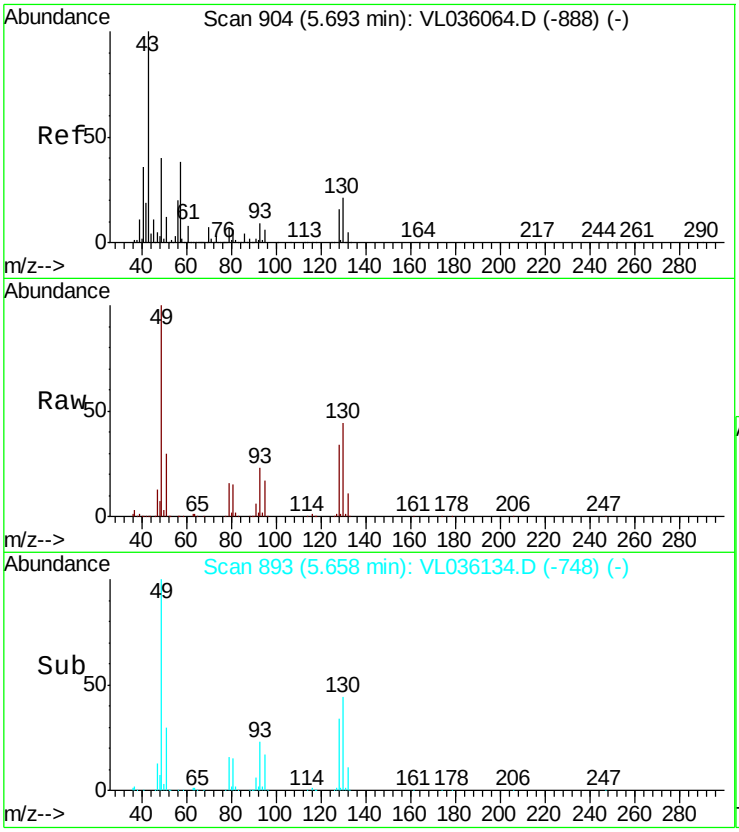


#24
1,1-Dichloroethane
Concen: 0.002 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.02 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 63 Resp: 308

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.2	6.6#
100	0.0	1.5	4.4#

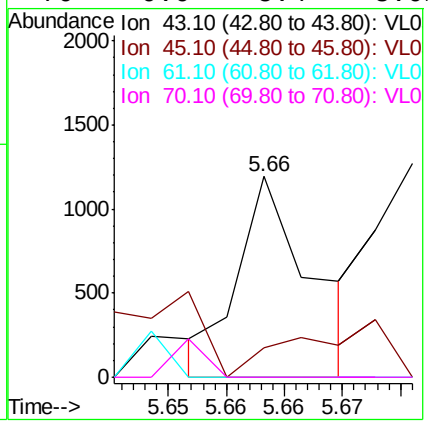


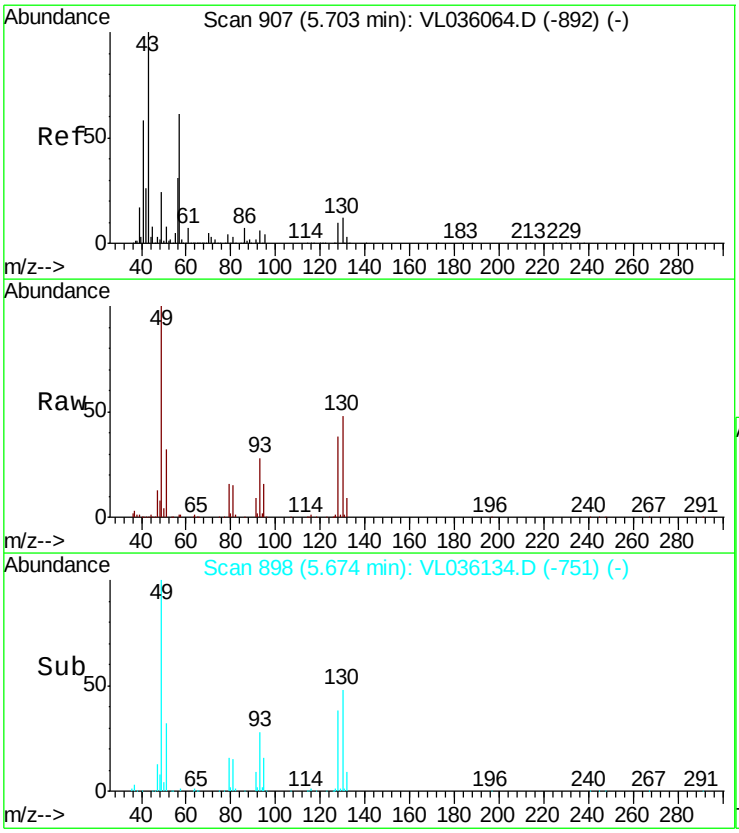


#25
Ethyl Acetate
Concen: 0.002 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 43 Resp: 523

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	0.0	7.4	11.2#
70	0.0	5.4	8.0#

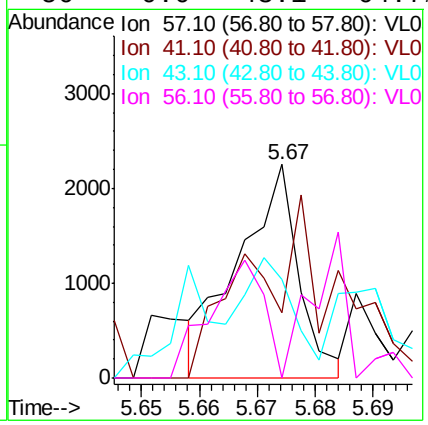


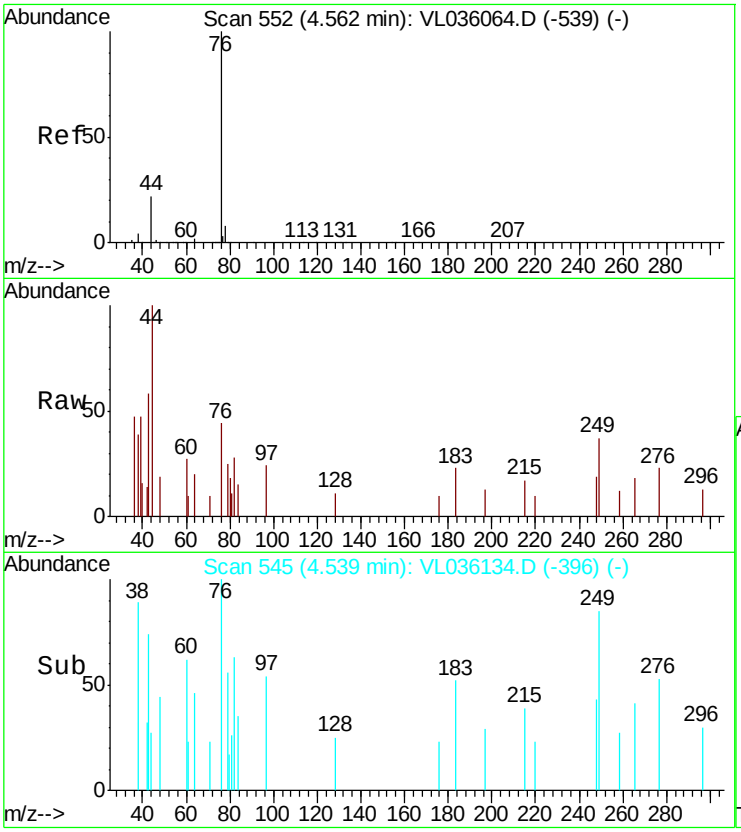


#26
Hexane
Concen: 0.011 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 57 Resp: 1630

Ion	Ratio	Lower	Upper
57	100		
41	121.4	82.9	124.3
43	172.3	199.9	299.9#
56	0.0	43.1	64.7#

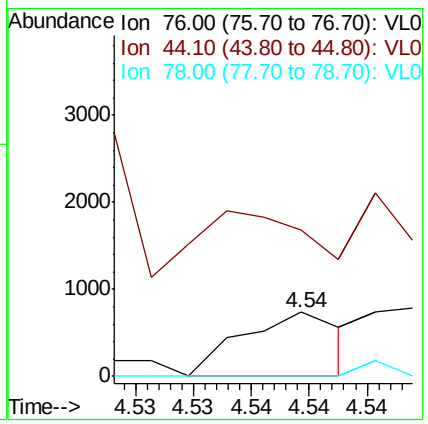


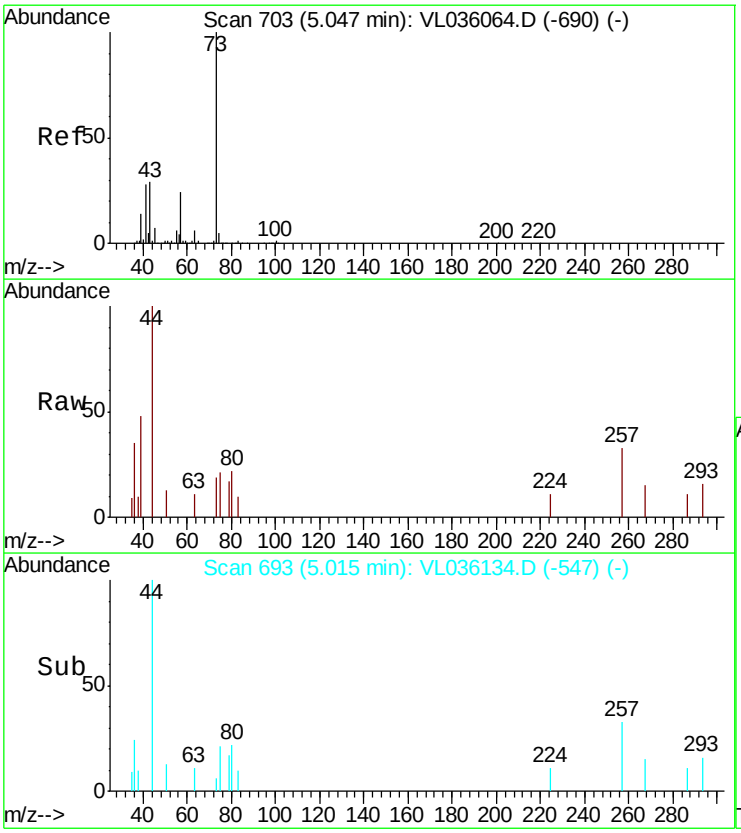


#27
Carbon Disulfide
Concen: 0.003 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.02 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 76 Resp: 438

Ion	Ratio	Lower	Upper
76	100		
44	0.0	17.9	26.9#
78	0.0	7.8	11.8#

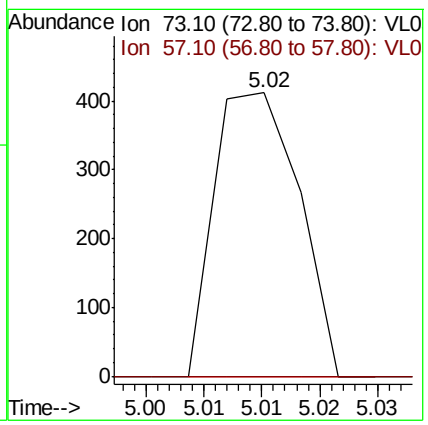


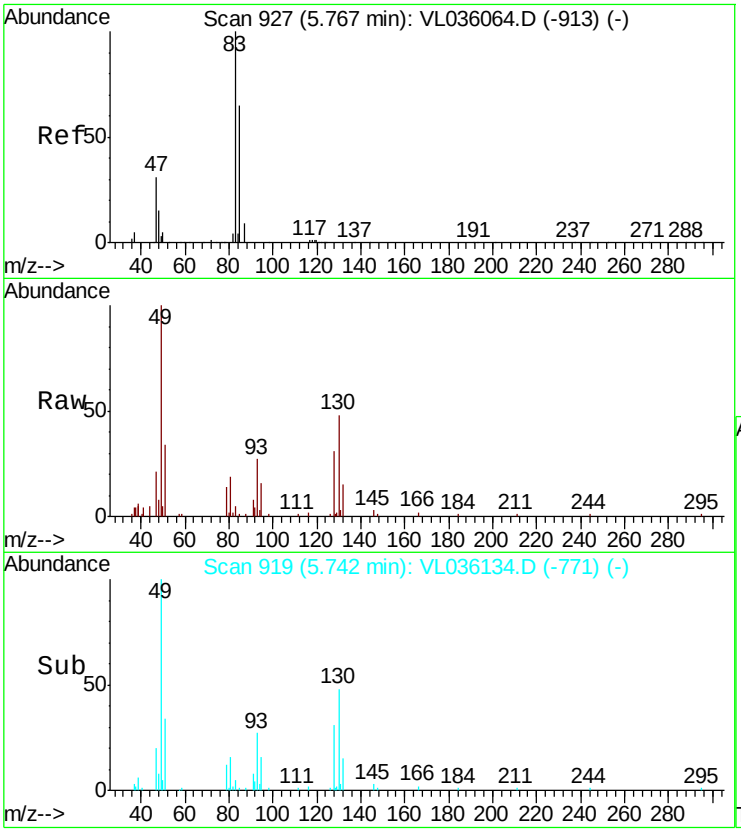


#28
Methyl tert-Butyl Ether
Concen: 0.001 ppbv
RT: 5.02 min Scan# 693
Delta R.T. -0.03 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 73 Resp: 209

Ion	Ratio	Lower	Upper
73	100		
57	0.0	19.2	28.8#

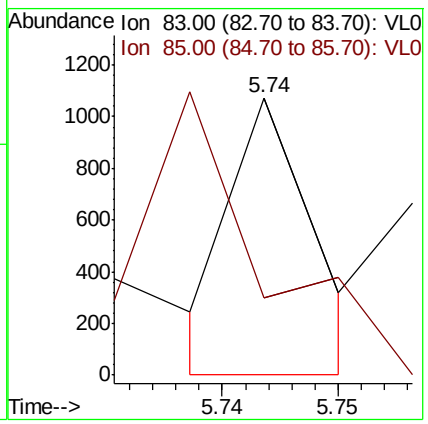


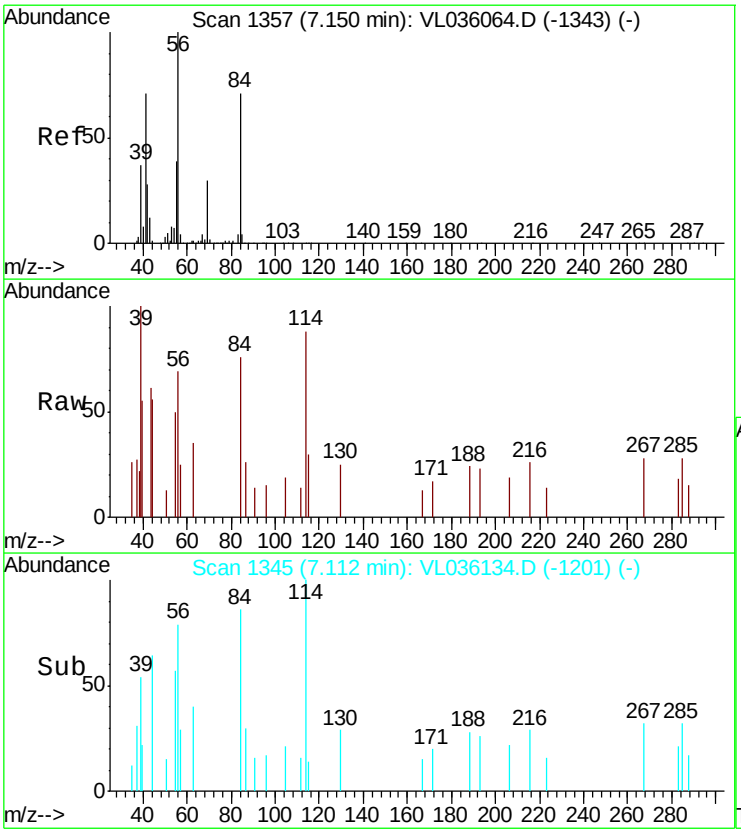


#29
Chloroform
Concen: 0.001 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.03 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 83 Resp: 268

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

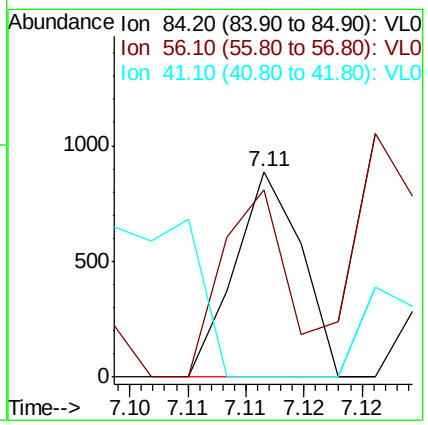


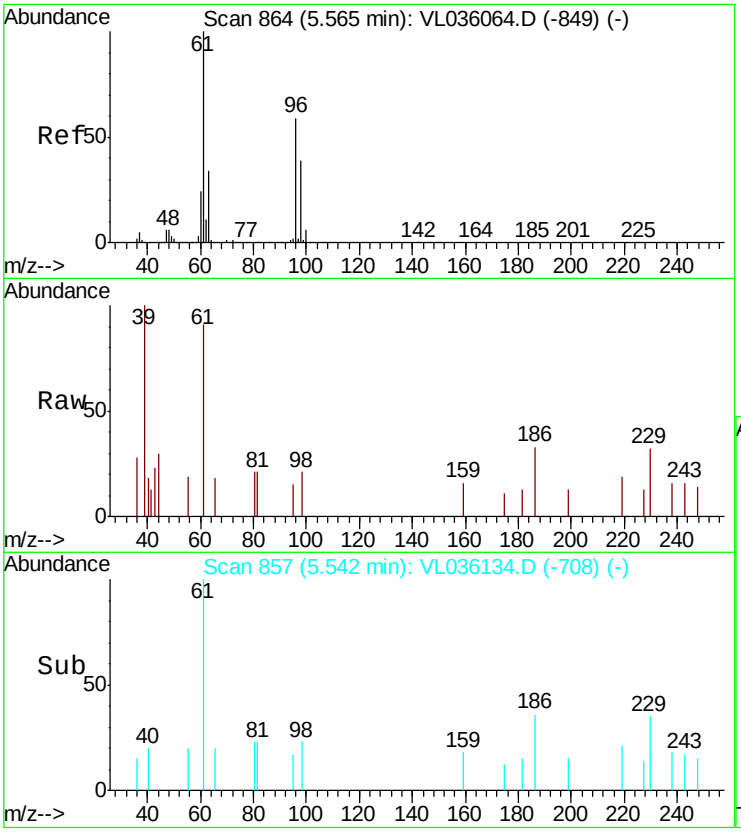


#30
Cyclohexane
Concen: 0.003 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 84 Resp: 354

Ion	Ratio	Lower	Upper
84	100		
56	0.0	128.0	192.0#
41	0.0	81.3	121.9#

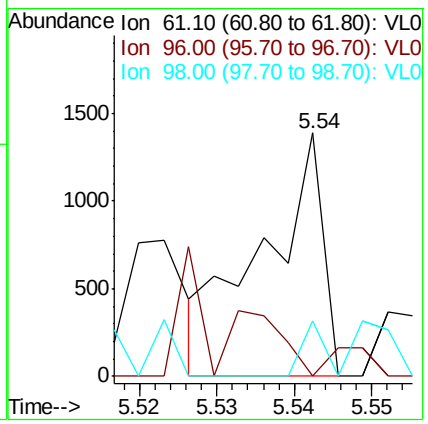


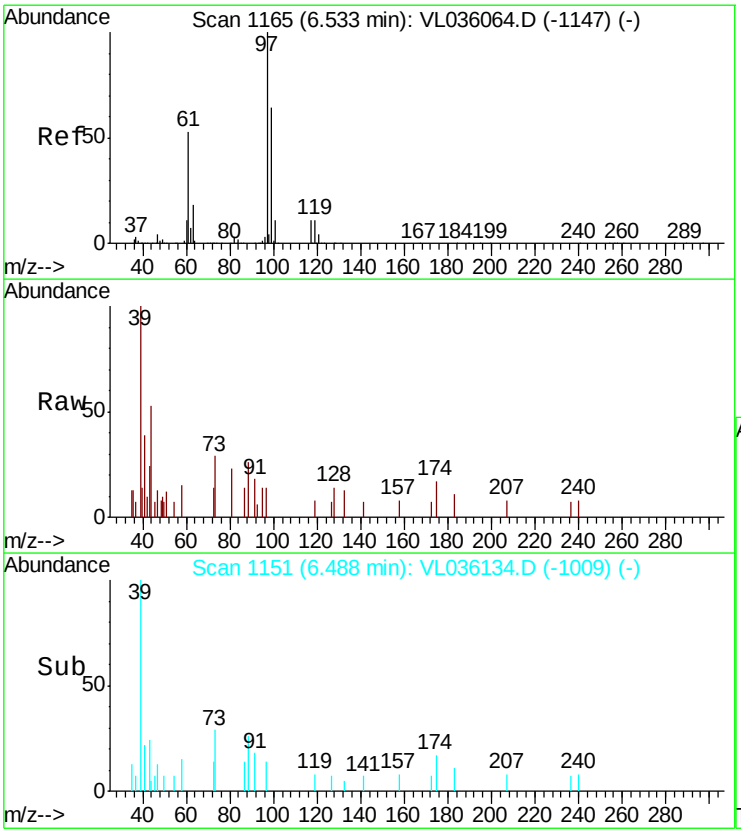


#31
cis-1,2-Dichloroethene
Concen: 0.006 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.02 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 61 Resp: 755

Ion	Ratio	Lower	Upper
61	100		
96	0.0	47.3	70.9#
98	22.8	31.4	47.0#

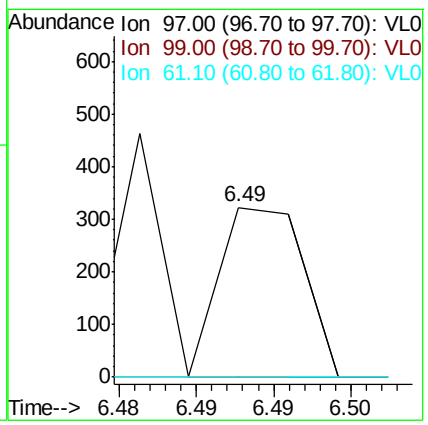


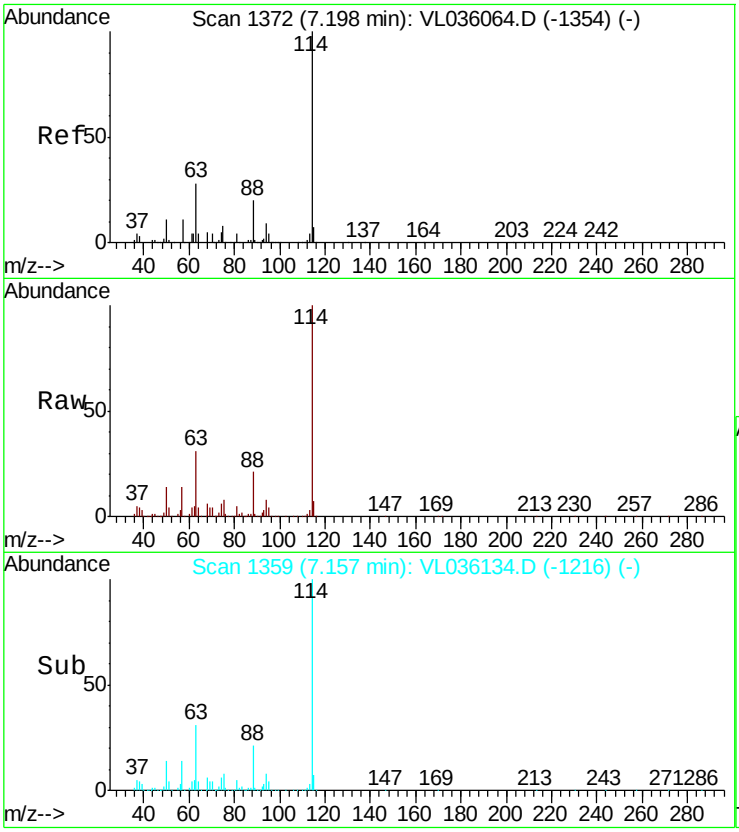


#32
1,1,1-Trichloroethane
Concen: 0.001 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 97 Resp: 122

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.4	78.6#
61	84.4	43.4	65.0#

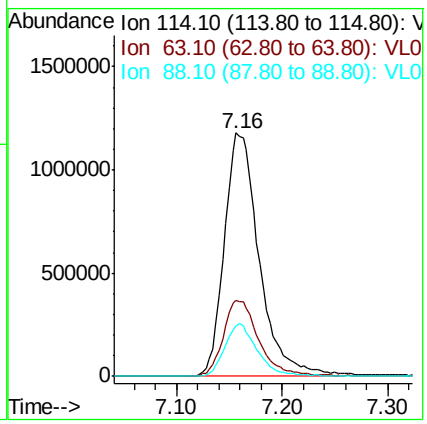


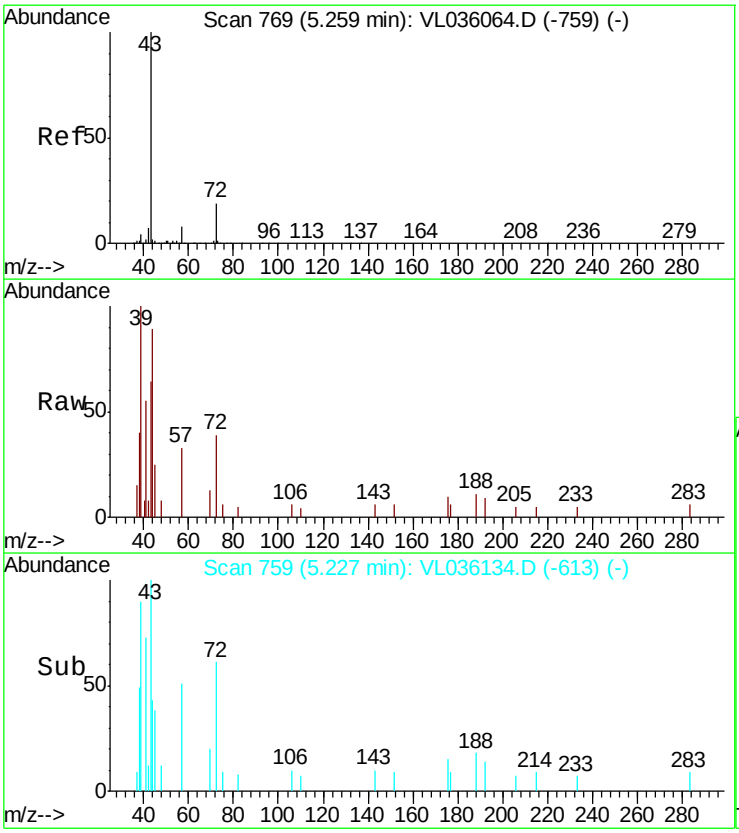


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:114 Resp: 2689897

Ion	Ratio	Lower	Upper
114	100		
63	32.4	23.6	35.4
88	20.6	15.8	23.6

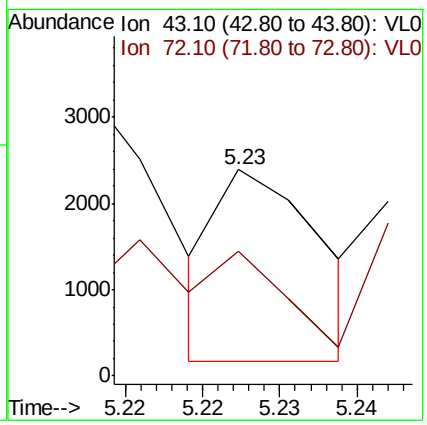


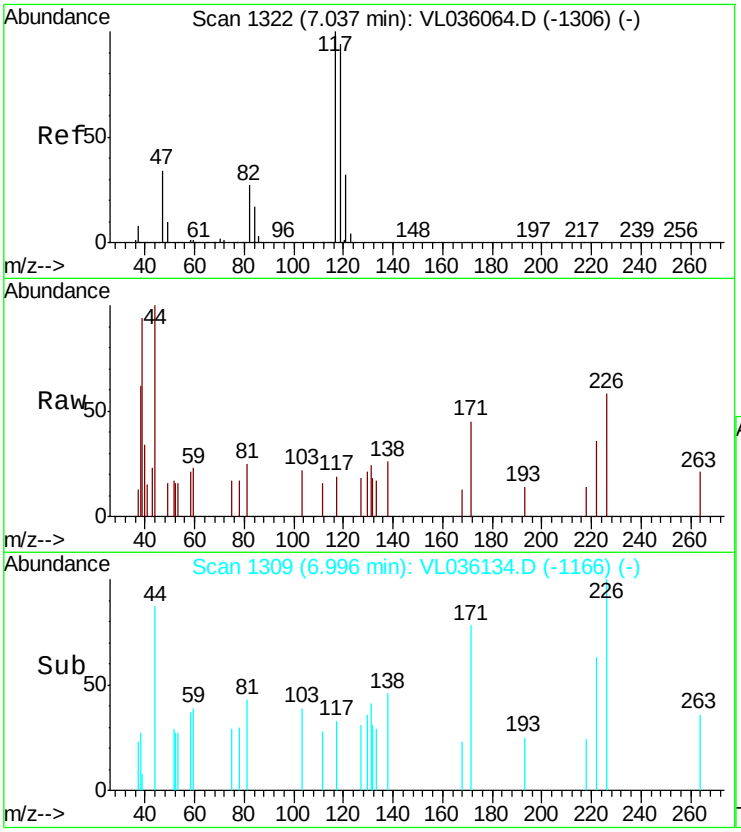


#34
2-Butanone
Concen: 0.006 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.03 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 43 Resp: 1019

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#

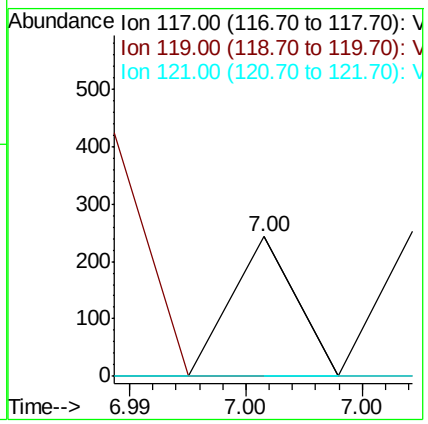


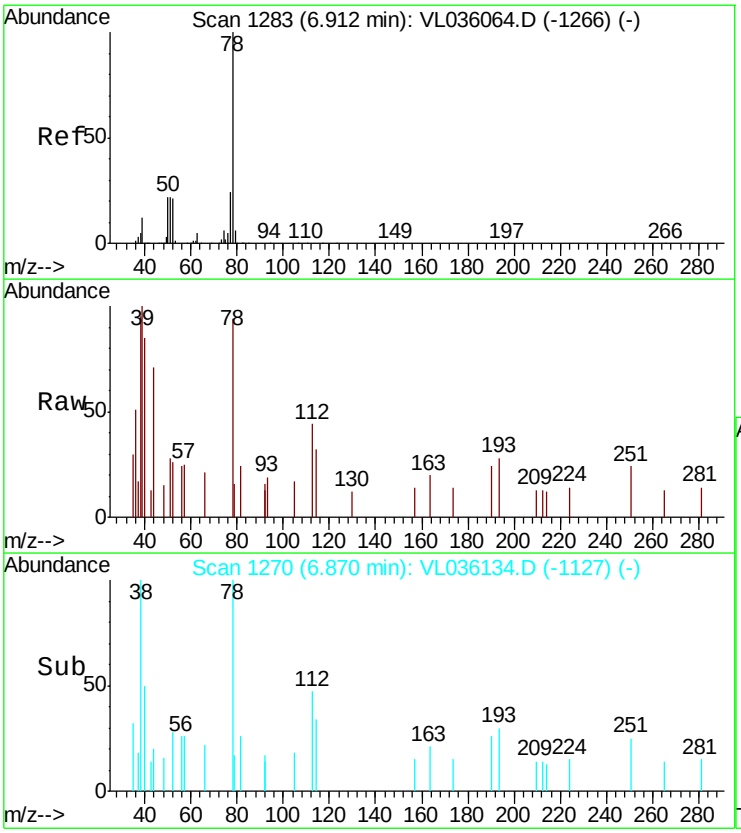


#35
Carbon Tetrachloride
Concen: 0.000 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:117 Resp: 47

Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.1	112.7#
121	0.0	25.6	38.4#

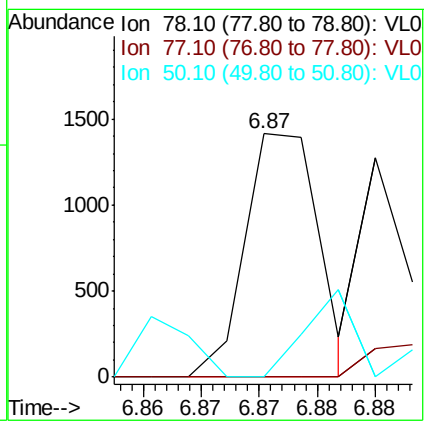


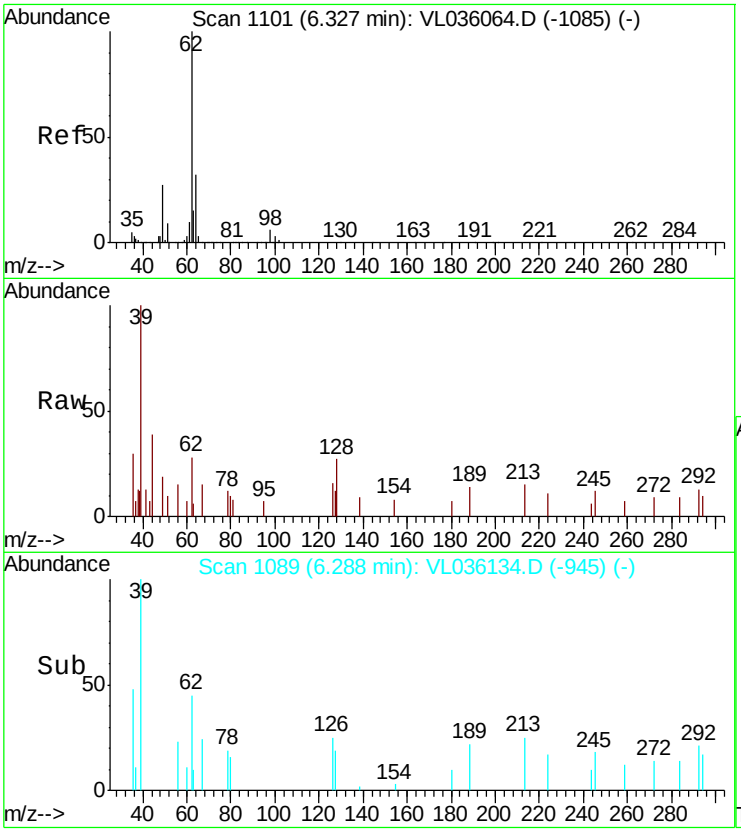


#36
Benzene
Concen: 0.003 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 78 Resp: 627

Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.4	29.2#
50	0.0	17.8	26.8#

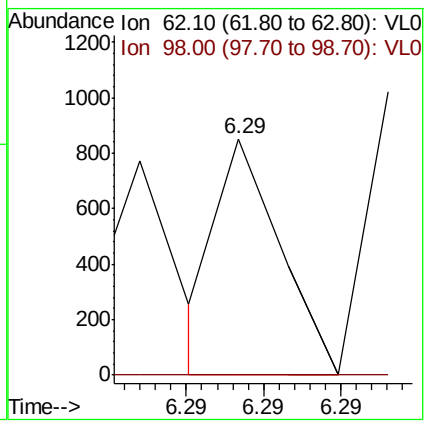


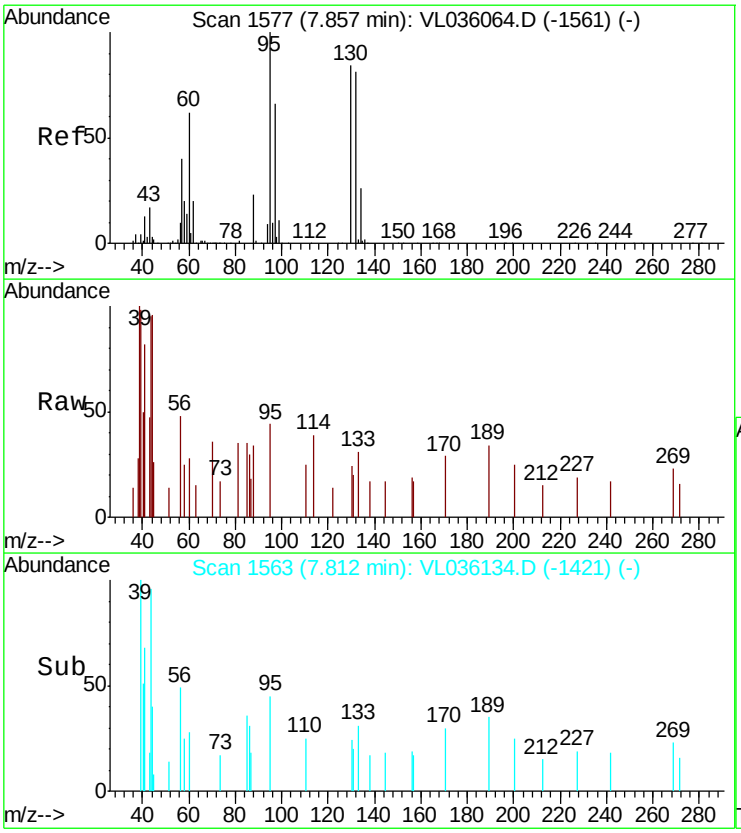


#37
1,2-Dichloroethane
Concen: 0.002 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 62 Resp: 241

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.6	7.0#

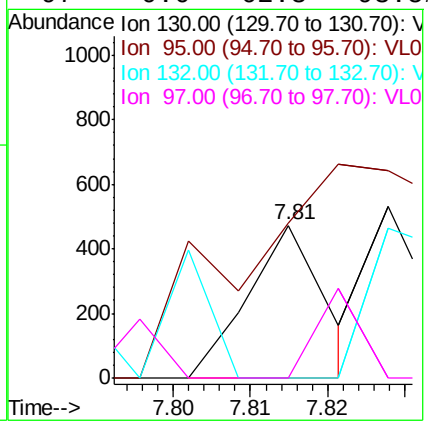


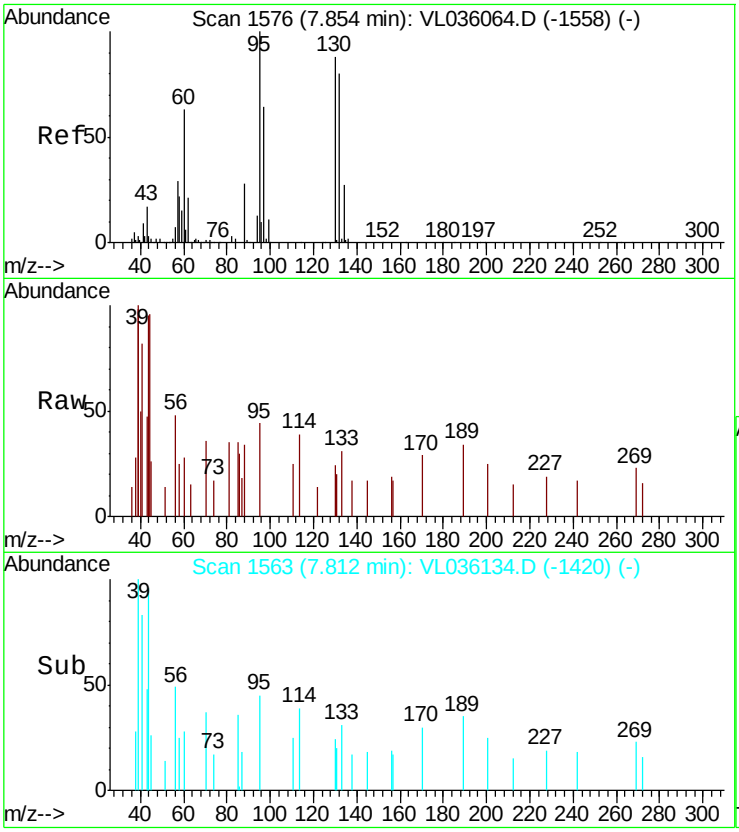


#38
Trichloroethene
Concen: 0.002 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:130 Resp: 162

Ion	Ratio	Lower	Upper
130	100		
95	11.8	95.2	142.8#
132	0.0	76.9	115.3#
97	0.0	62.3	93.5#

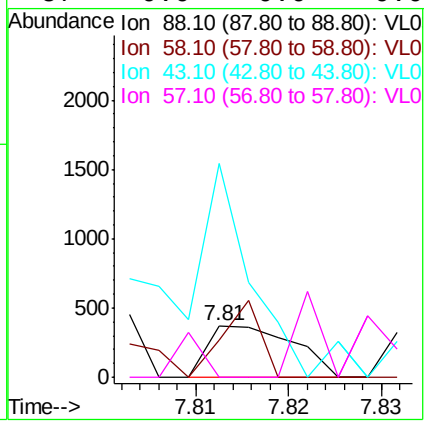


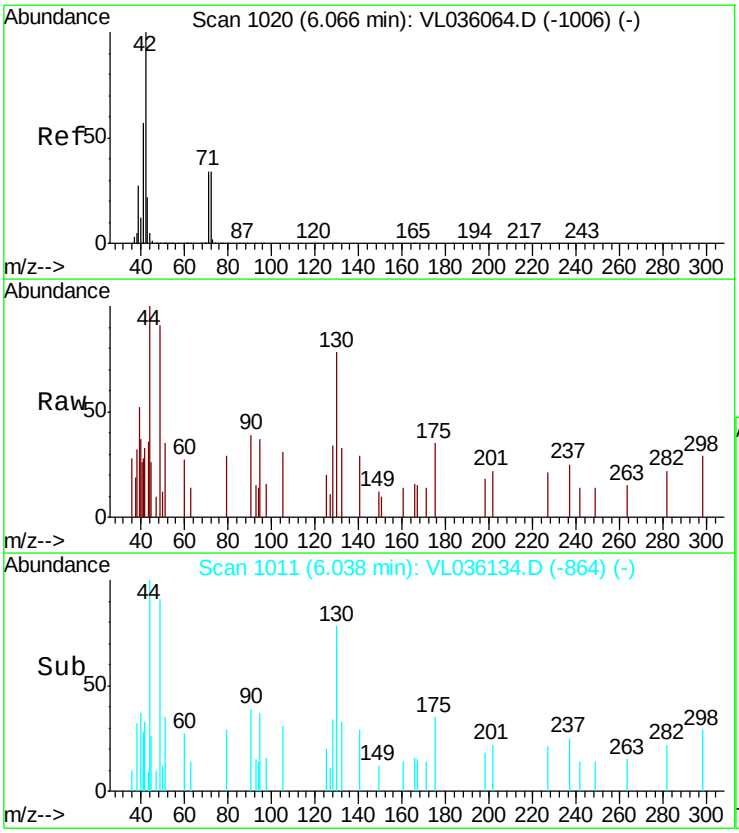


#40
1,4-Dioxane
Concen: 0.008 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 88 Resp: 239

Ion	Ratio	Lower	Upper
88	100		
58	0.0	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

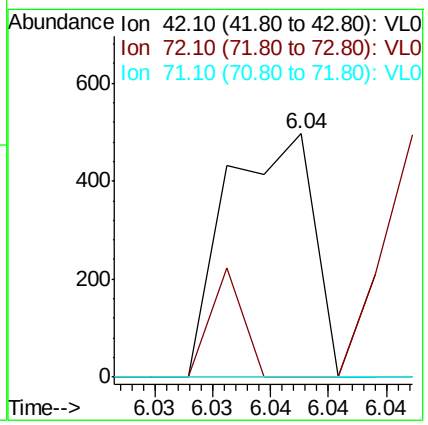


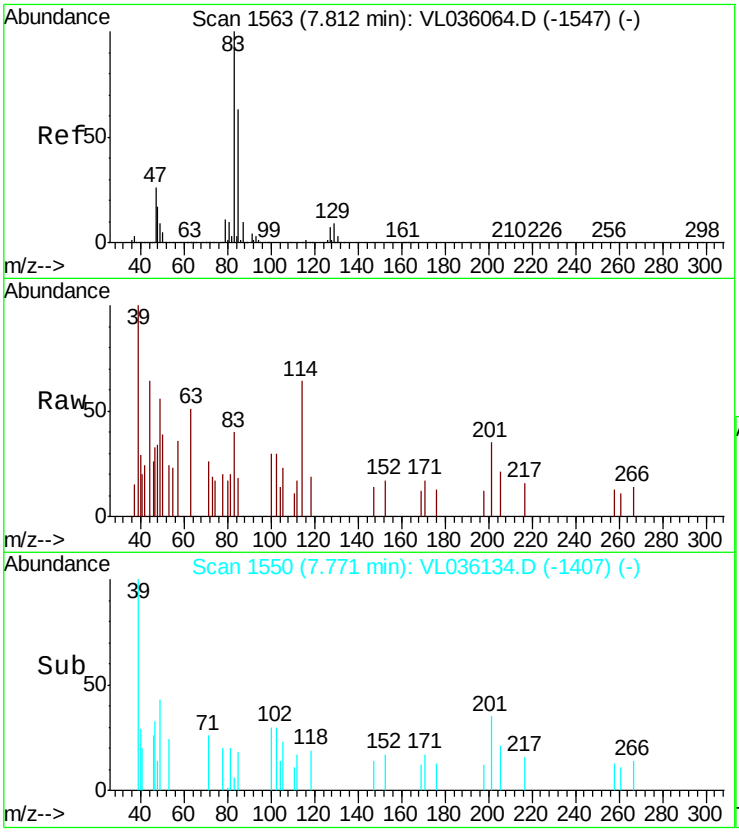


#41
Tetrahydrofuran
Concen: 0.002 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.03 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 42 Resp: 259

Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.3	42.5#
71	0.0	27.3	40.9#

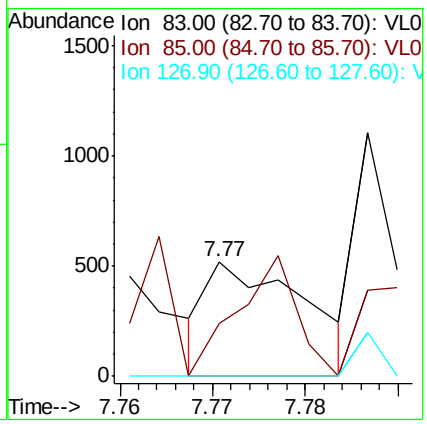


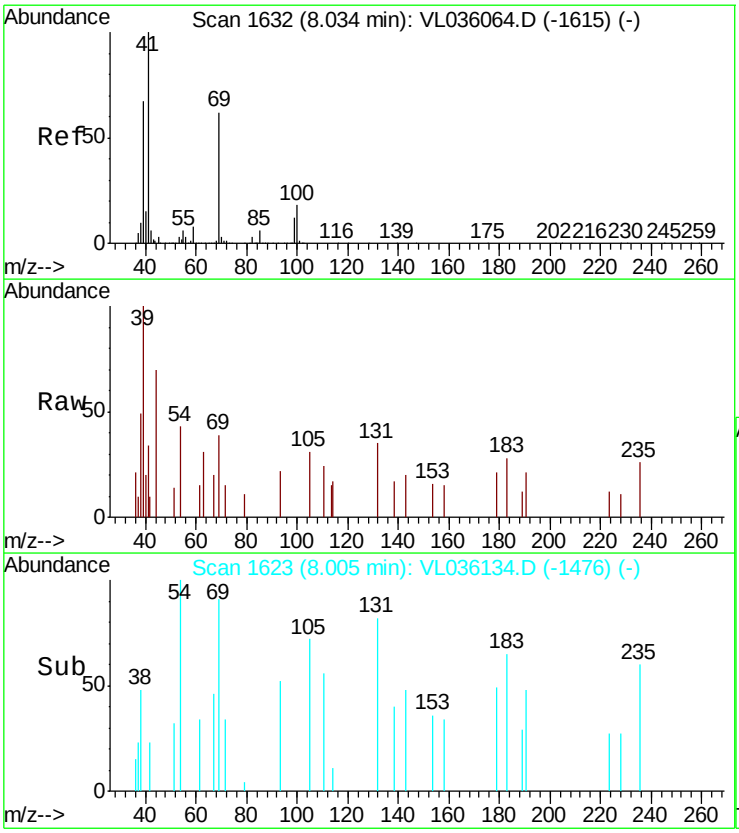


#42
Bromodichloromethane
Concen: 0.002 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 83 Resp: 375

Ion	Ratio	Lower	Upper
83	100		
85	88.6	50.2	75.2#
127	0.0	5.5	8.3#

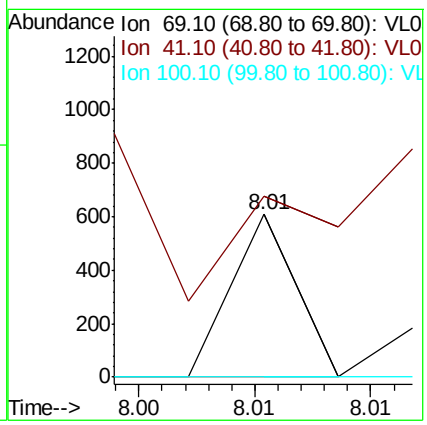


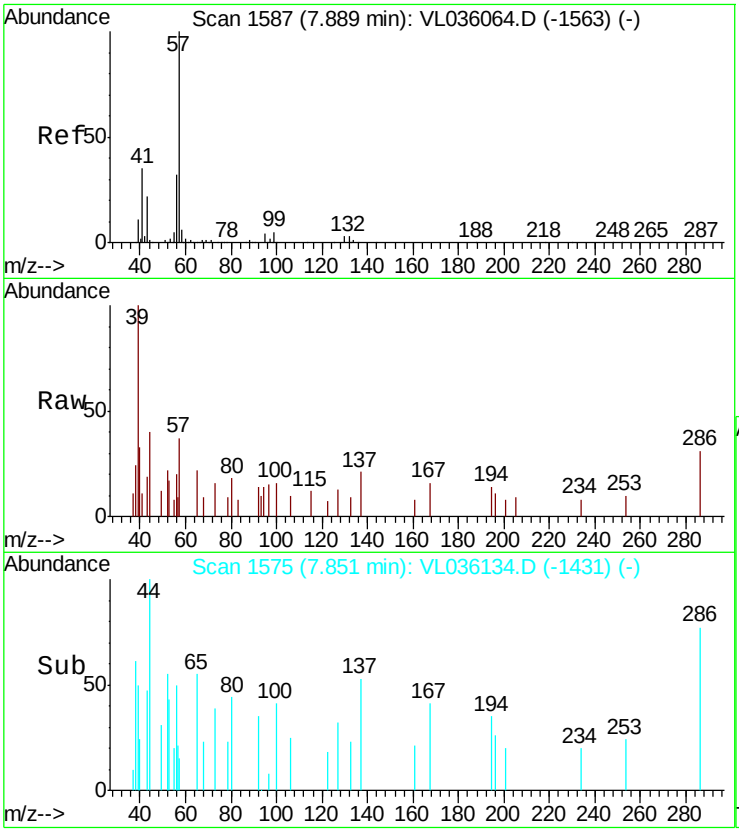


#43
Methyl Methacrylate
Concen: 0.001 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. -0.03 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 69 Resp: 118

Ion	Ratio	Lower	Upper
69	100		
41	909.3	133.0	199.6#
100	0.0	25.4	38.0#

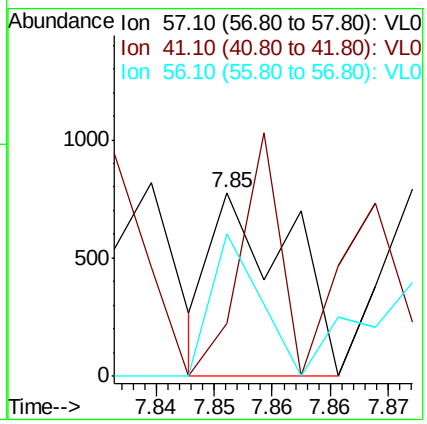


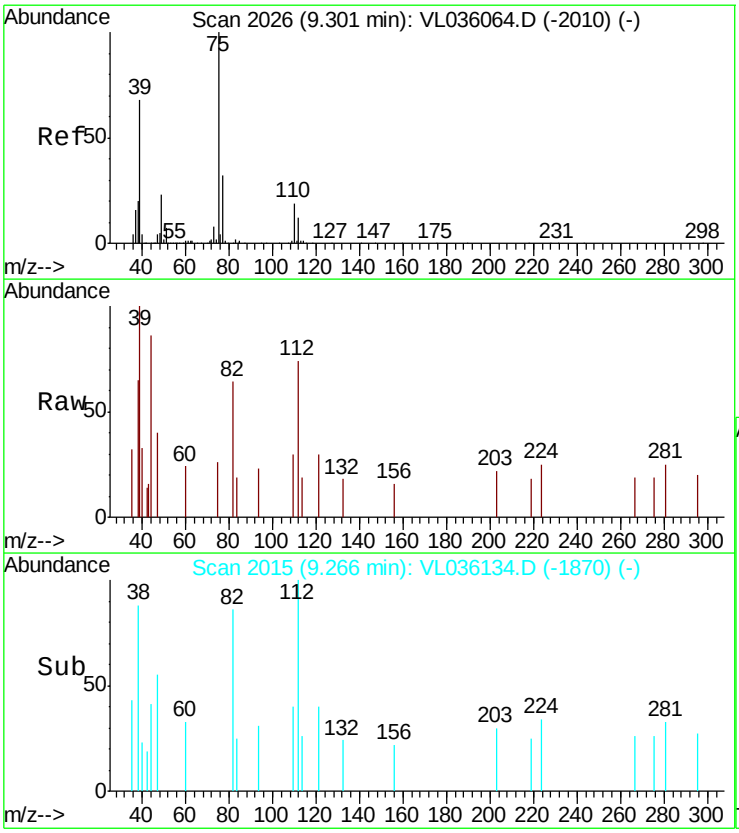


#44
2,2,4-Trimethylpentane
Concen: 0.001 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 57 Resp: 363

Ion	Ratio	Lower	Upper
57	100		
41	0.0	28.9	43.3#
56	0.0	25.3	37.9#

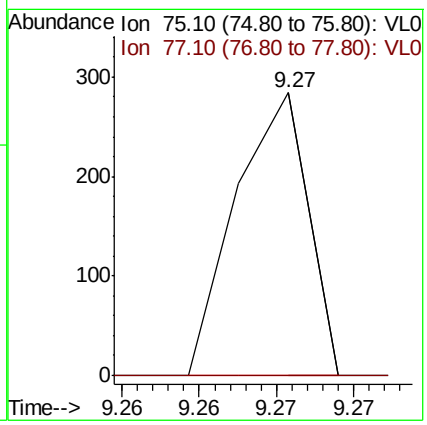


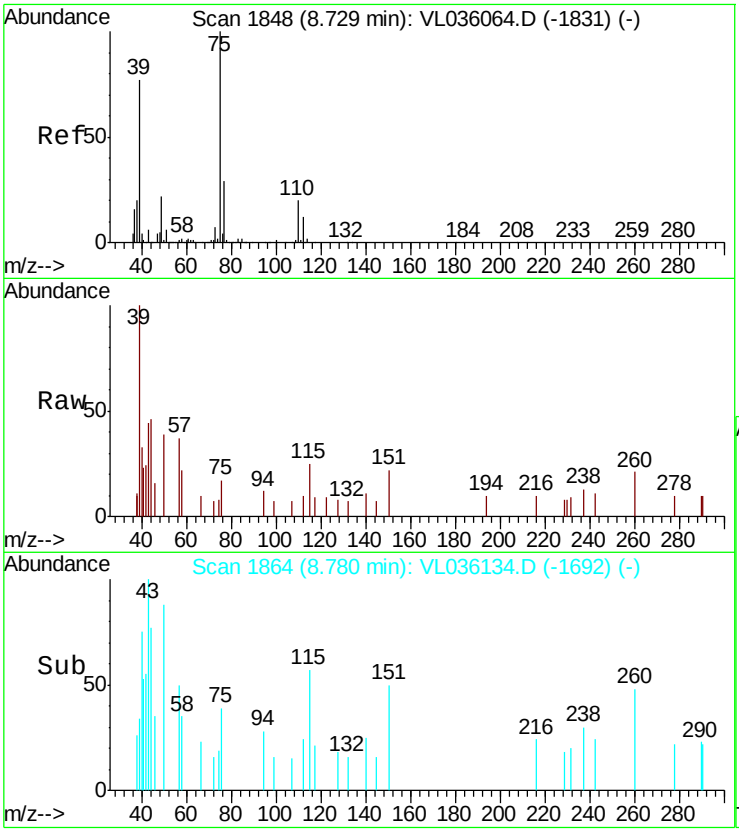


#45
t-1,3-Dichloropropene
Concen: 0.001 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 75 Resp: 92

Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.0	39.0#

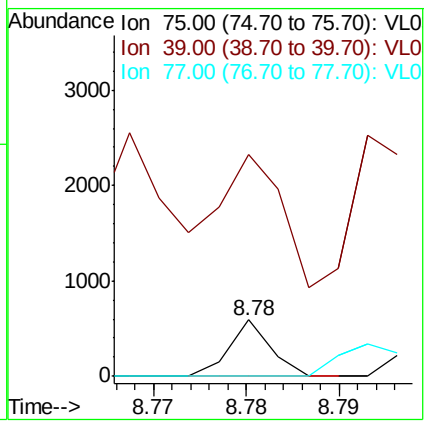


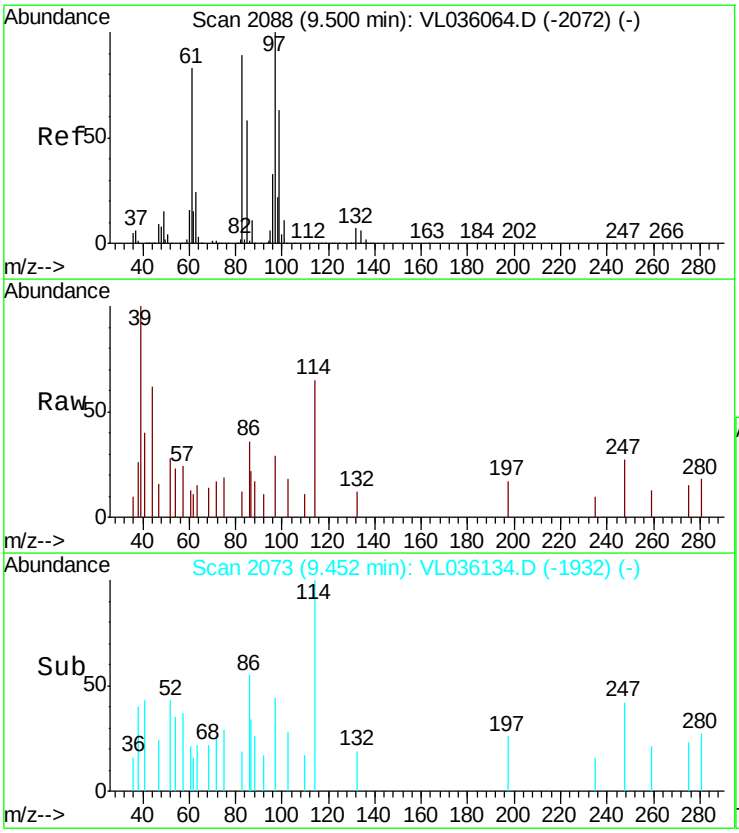


#46
cis-1,3-Dichloropropene
Concen: 0.001 ppbv
RT: 8.78 min Scan# 1864
Delta R.T. 0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 75 Resp: 182

Ion	Ratio	Lower	Upper
75	100		
39	203.9	61.6	92.4#
77	0.0	23.0	34.6#

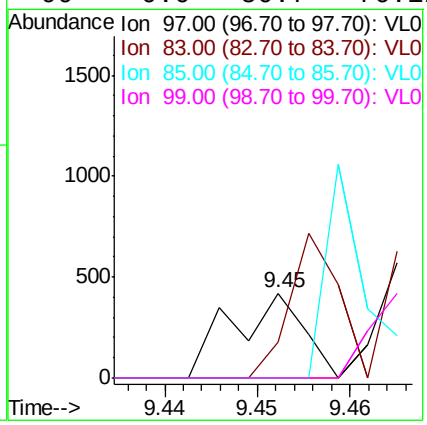


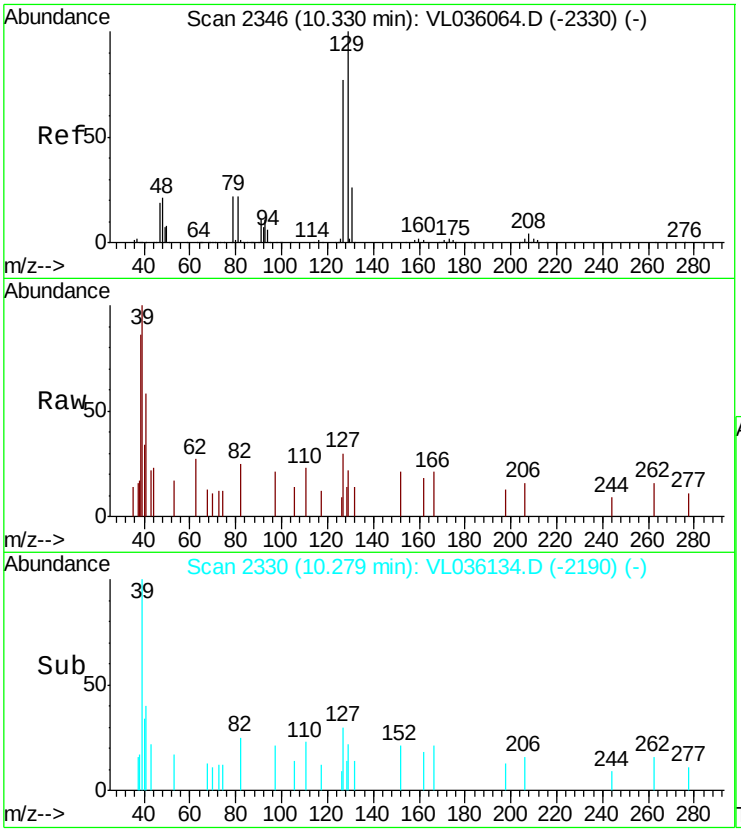


#47
1,1,2-Trichloroethane
Concen: 0.003 ppbv
RT: 9.45 min Scan# 2073
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 97 Resp: 224

Ion	Ratio	Lower	Upper
97	100		
83	42.3	71.4	107.2#
85	0.0	46.6	70.0#
99	0.0	50.7	76.1#

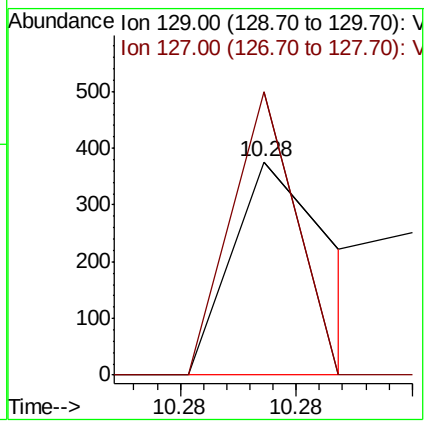


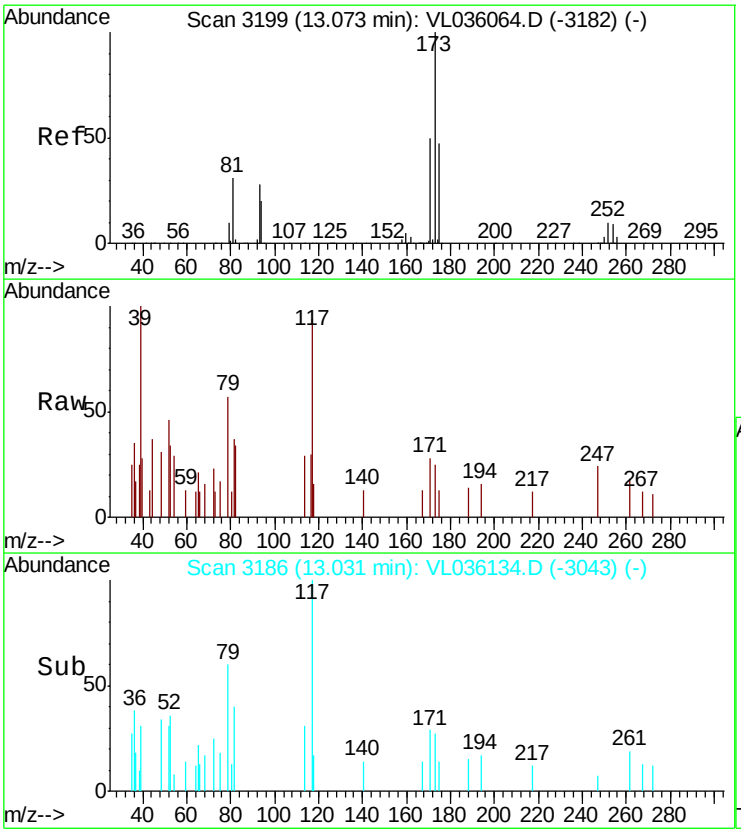


#48
Dibromochloromethane
Concen: 0.001 ppbv
RT: 10.28 min Scan# 2330
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:129 Resp: 115

Ion	Ratio	Lower	Upper
129	100		
127	196.5	39.0	117.0#

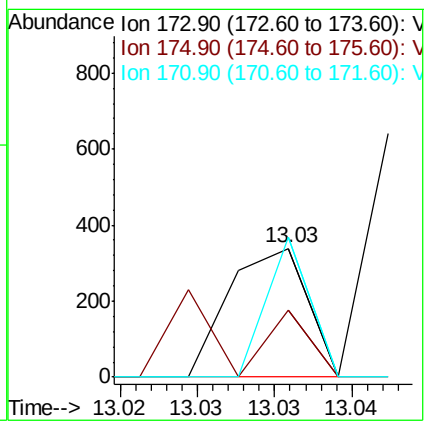


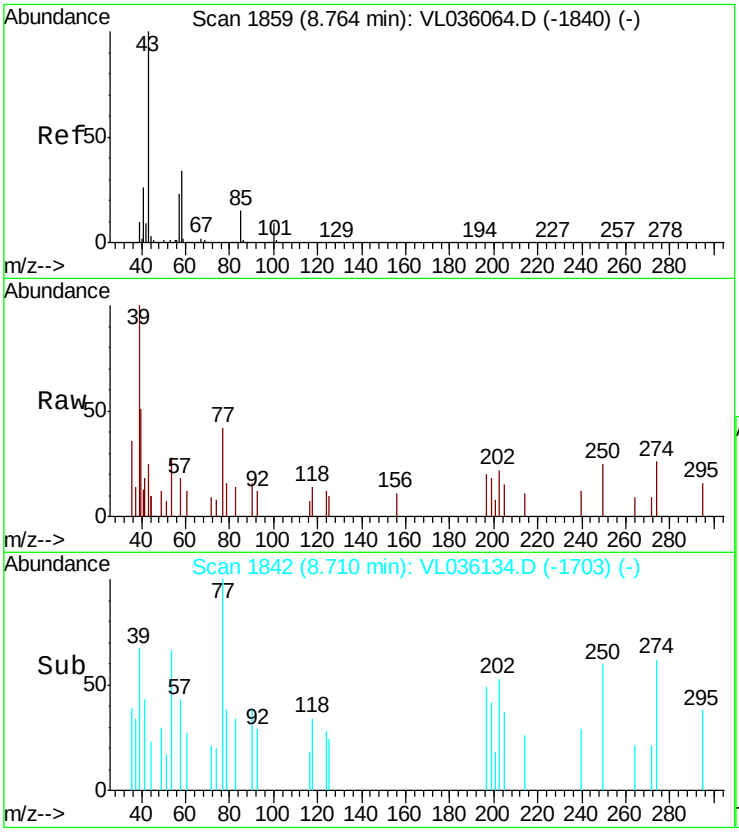


#49
Bromoform
Concen: 0.001 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:173 Resp: 120

Ion	Ratio	Lower	Upper
173	100		
175	65.0	39.8	59.6#
171	59.2	42.5	63.7

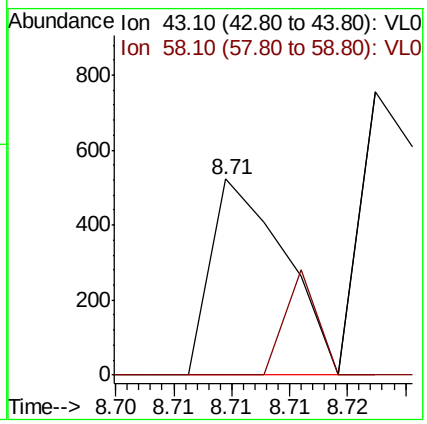


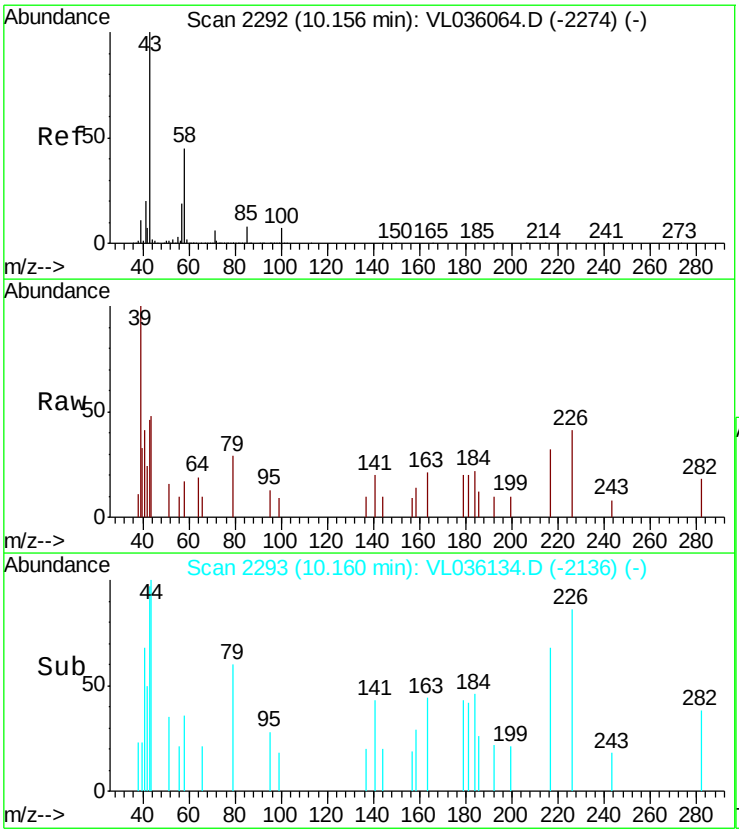


#50
4-Methyl-2-Pentanone
Concen: 0.001 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 43 Resp: 231

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.4	41.2#

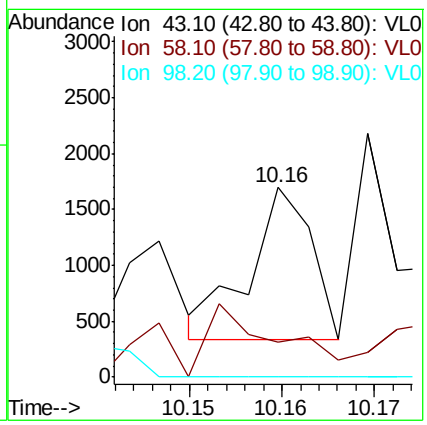


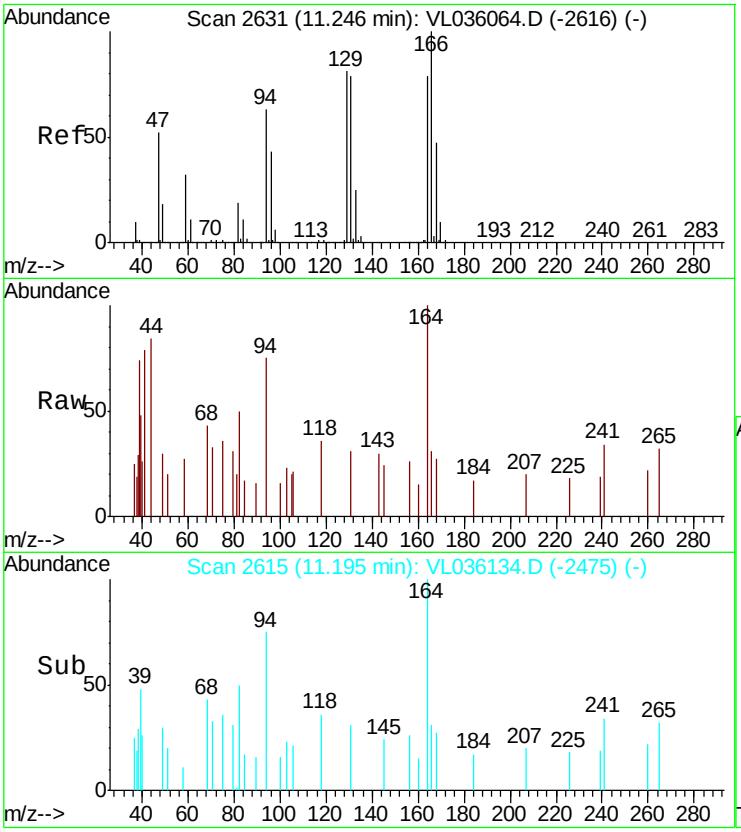


#51
2-Hexanone
Concen: 0.003 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 43 Resp: 624

Ion	Ratio	Lower	Upper
43	100		
58	92.5	38.7	58.1#
98	28.5	0.1	0.1#

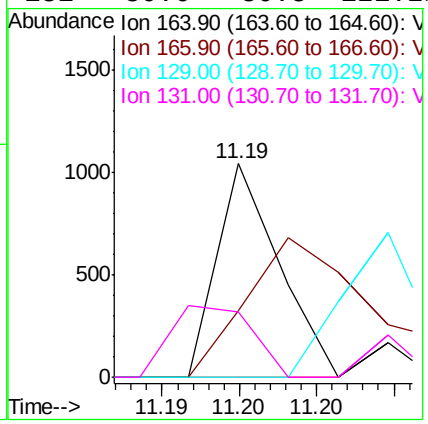


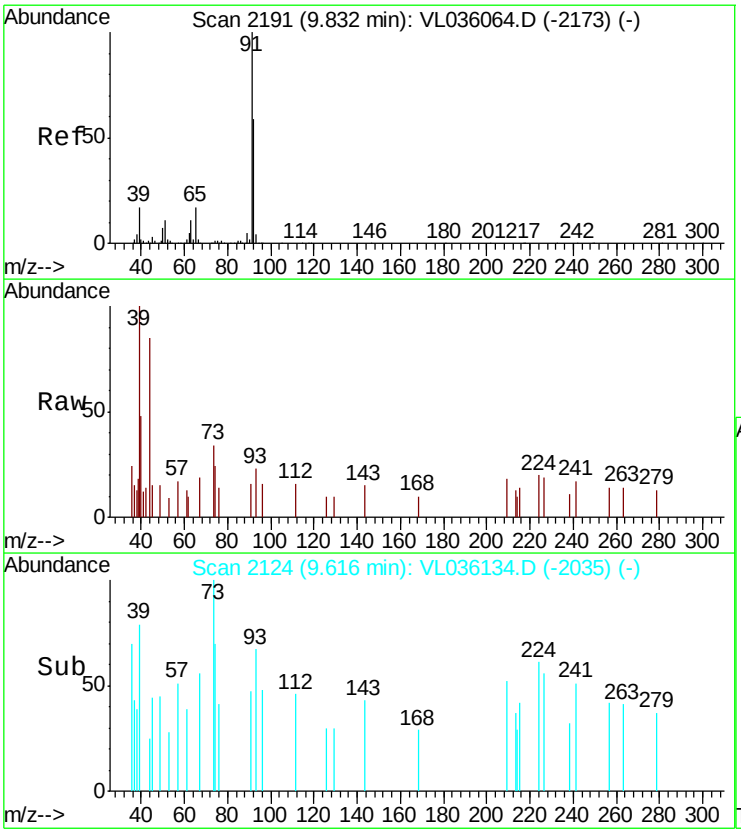


#52
Tetrachloroethene
Concen: 0.004 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:164 Resp: 289

Ion	Ratio	Lower	Upper
164	100		
166	30.9	101.9	152.9#
129	0.0	82.1	123.1#
131	30.6	80.8	121.2#

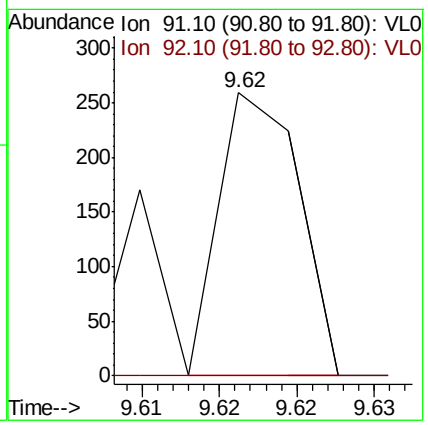


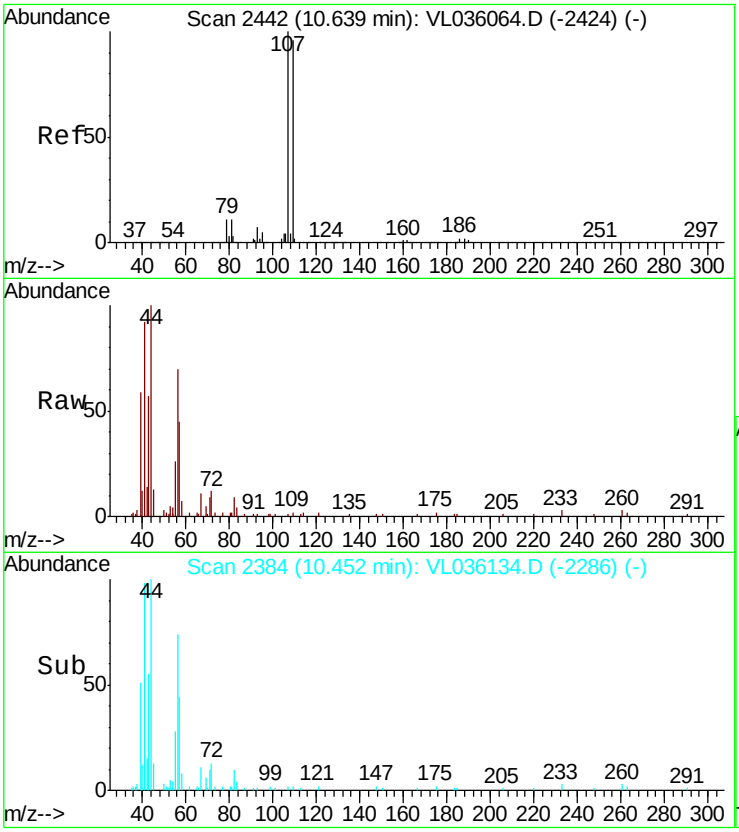


#53
Toluene
Concen: 0.000 ppbv
RT: 9.62 min Scan# 2124
Delta R.T. -0.22 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 91 Resp: 93

Ion	Ratio	Lower	Upper
91	100		
92	72.0	48.2	72.2

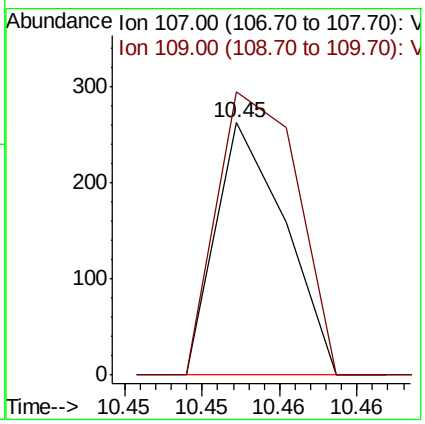


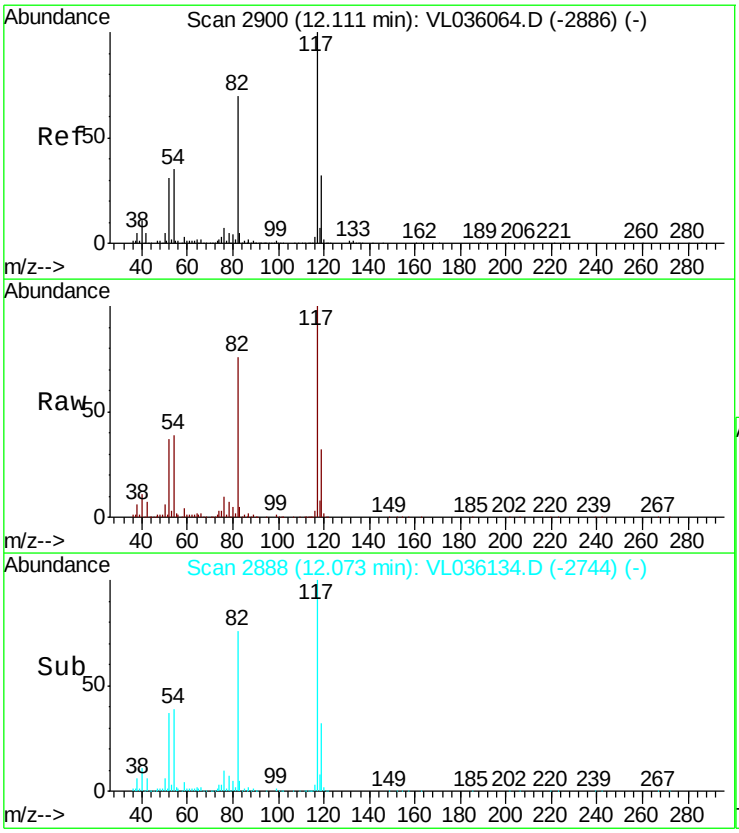


#54
1,2-Dibromoethane
Concen: 0.001 ppbv
RT: 10.45 min Scan# 2384
Delta R.T. -0.19 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:107 Resp: 81

Ion	Ratio	Lower	Upper
107	100		
109	112.2	76.6	115.0

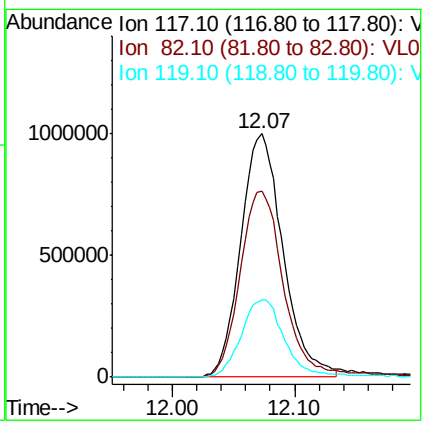


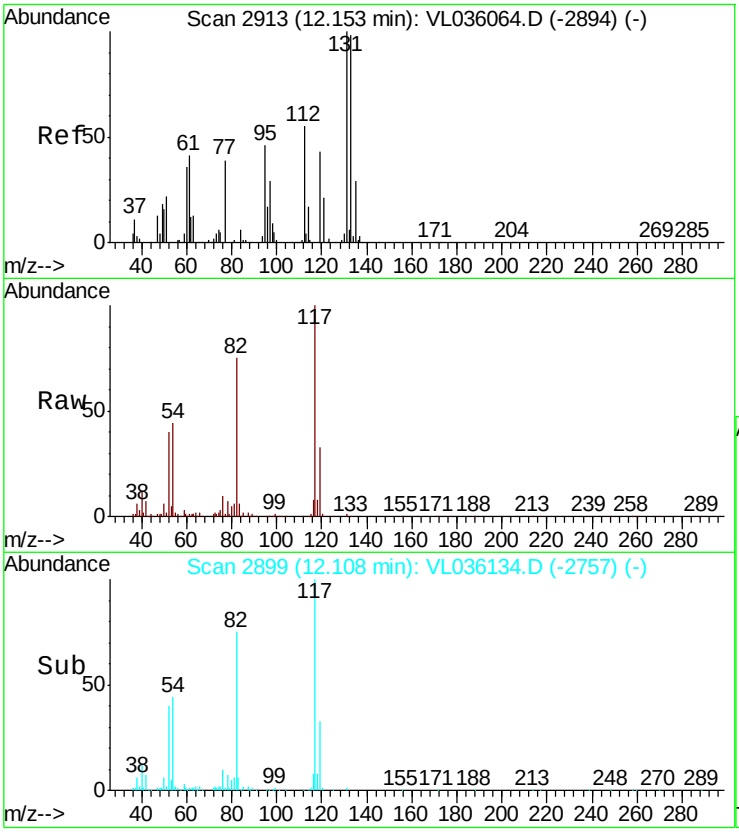


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:117 Resp: 2396441

Ion	Ratio	Lower	Upper
117	100		
82	80.2	0.0	0.0#
119	33.3	0.0	0.0#

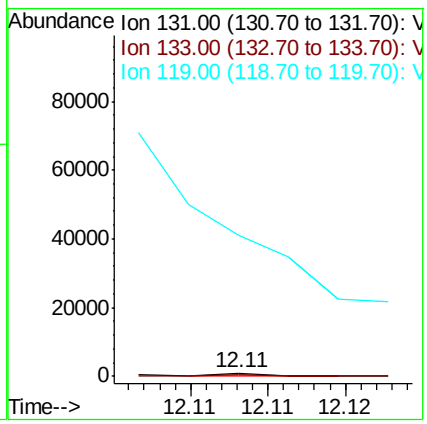


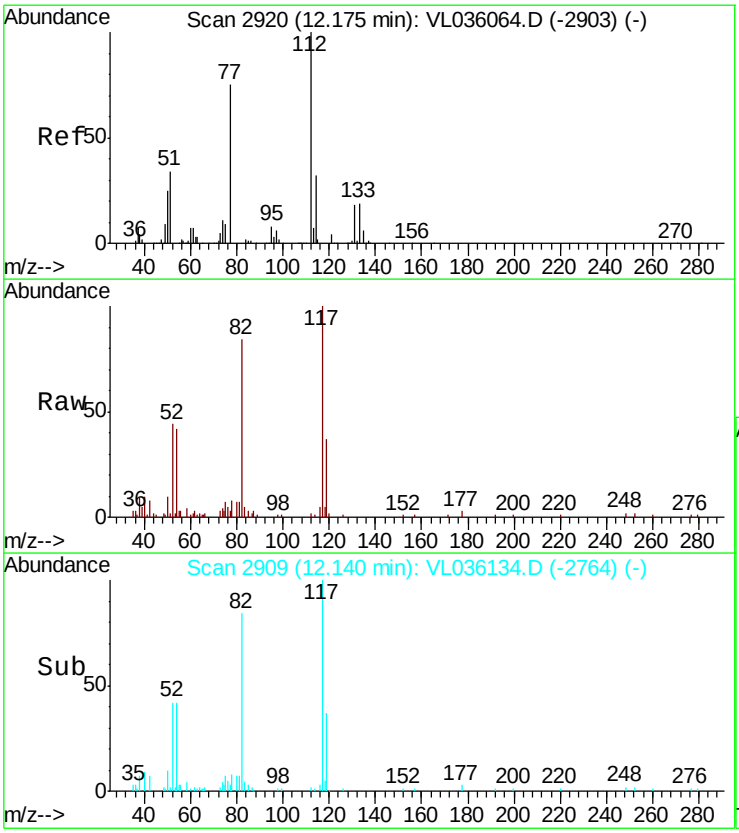


#56
1,1,1,2-Tetrachloroethane
Concen: 0.002 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:131 Resp: 203

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.7	116.5#
119	0.0	51.6	77.4#

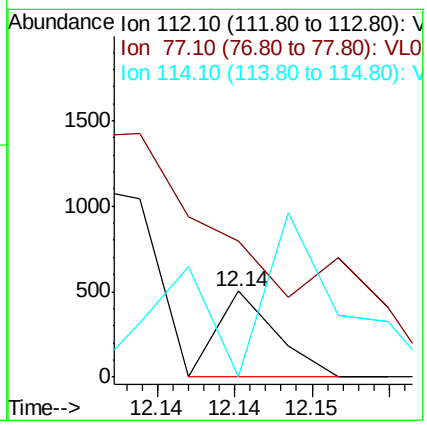


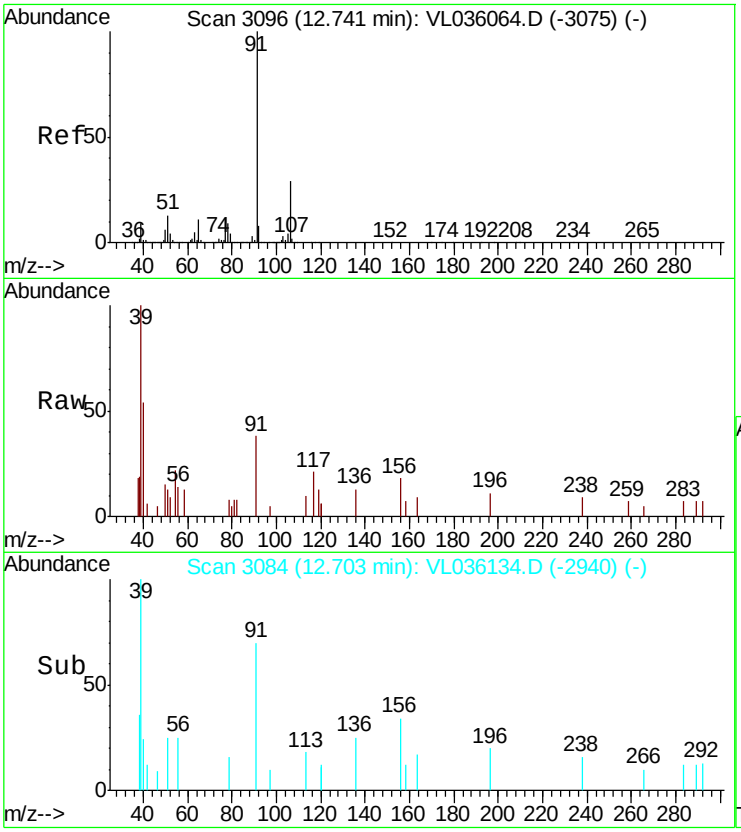


#57
Chlorobenzene
Concen: 0.001 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:112 Resp: 132

Ion	Ratio	Lower	Upper
112	100		
77	20.7	60.5	90.7#
114	0.0	29.2	35.6#

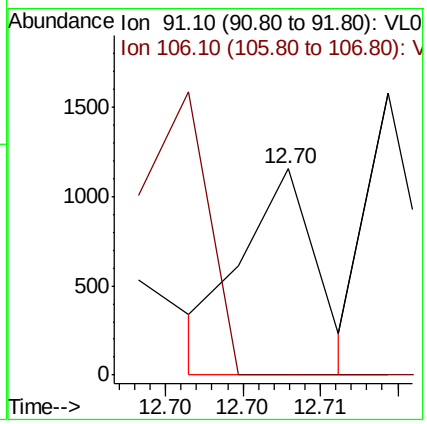


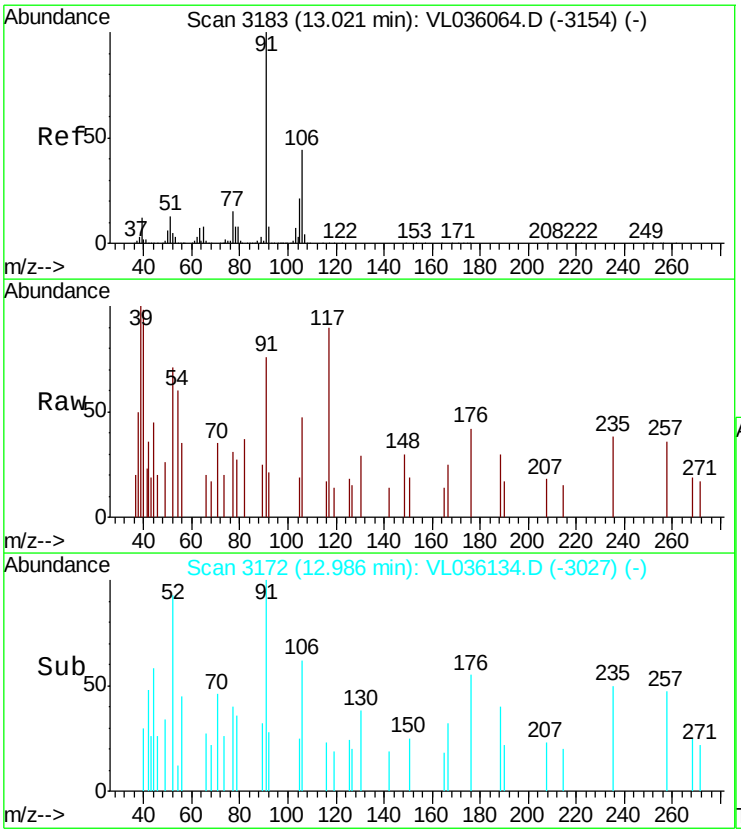


#58
Ethyl Benzene
Concen: 0.001 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 91 Resp: 385

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.0	34.4#

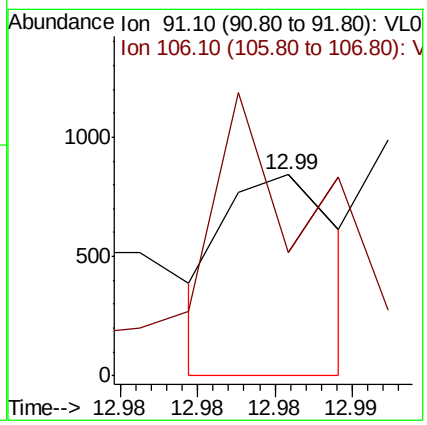


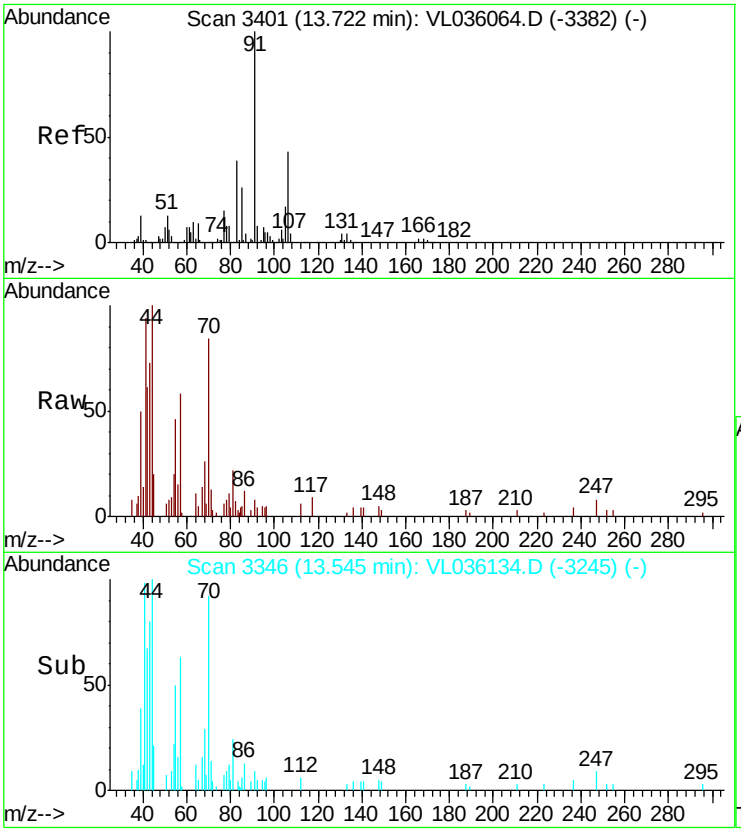


#59
m/p-Xylene
Concen: 0.002 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 91 Resp: 429

Ion	Ratio	Lower	Upper
91	100		
106	207.5	33.6	50.4#

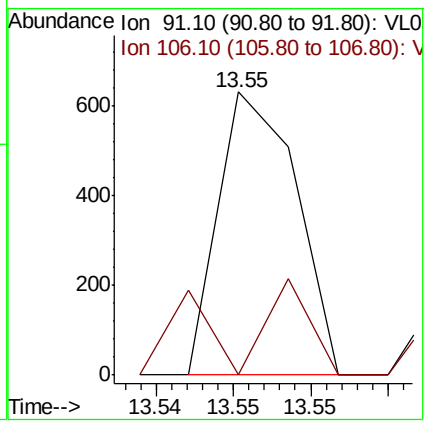


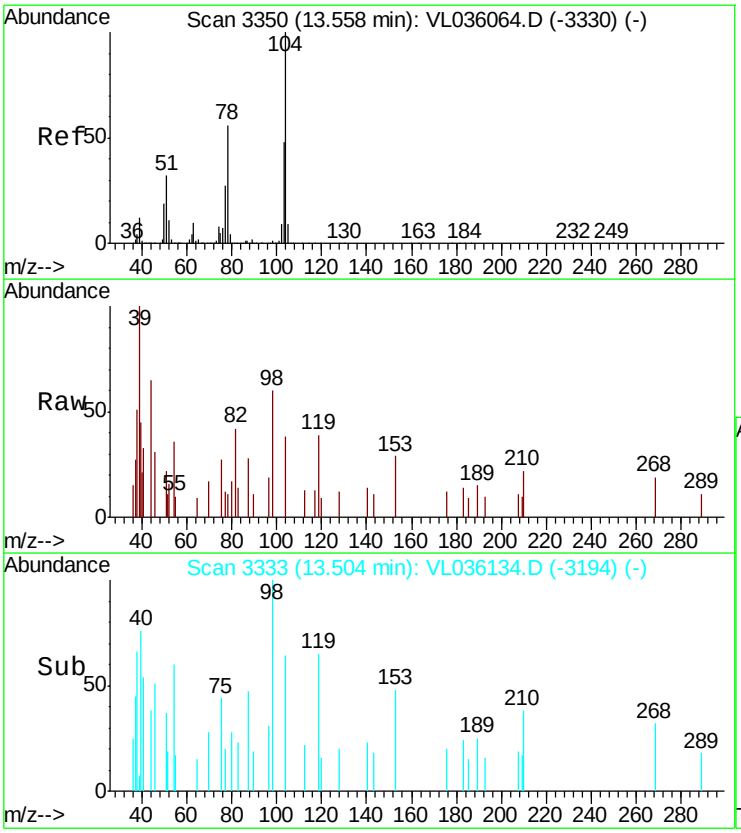


#60
o-Xylene
Concen: 0.001 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.18 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 91 Resp: 220

Ion	Ratio	Lower	Upper
91	100		
106	28.6	21.6	64.6

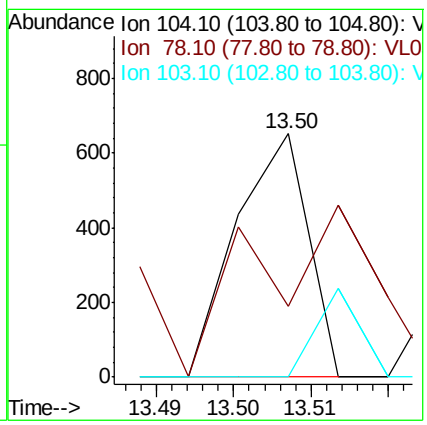


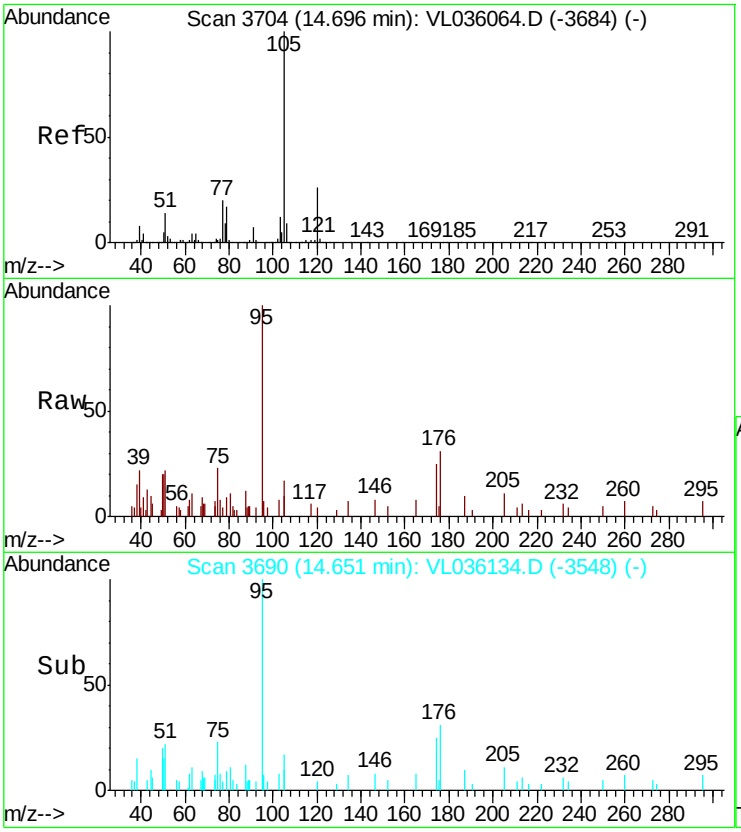


#61
Styrene
Concen: 0.001 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:104 Resp: 210

Ion	Ratio	Lower	Upper
104	100		
78	0.0	45.8	68.8#
103	0.0	38.6	57.8#

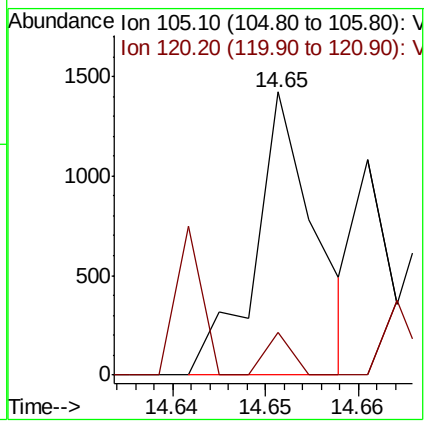


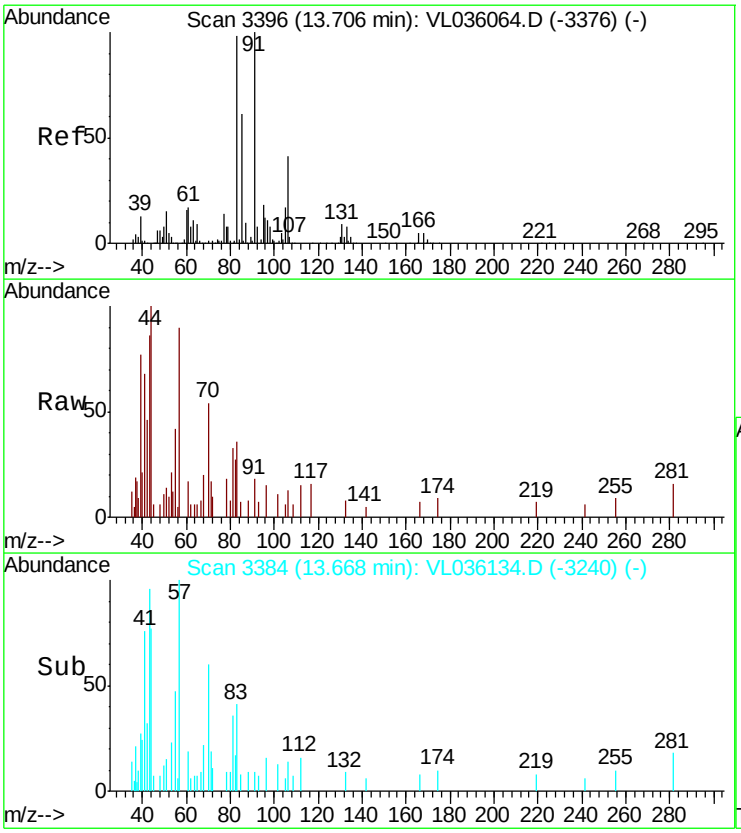


#62
Isopropylbenzene
Concen: 0.002 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:105 Resp: 637

Ion	Ratio	Lower	Upper
105	100		
120	29.2	20.1	30.1

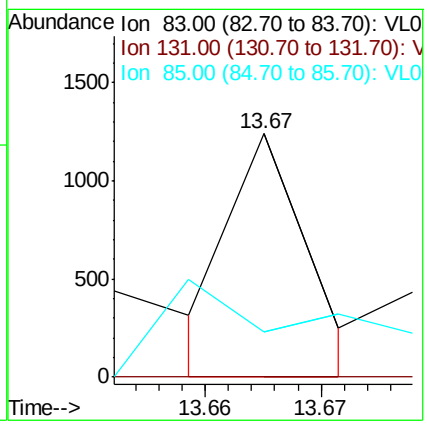


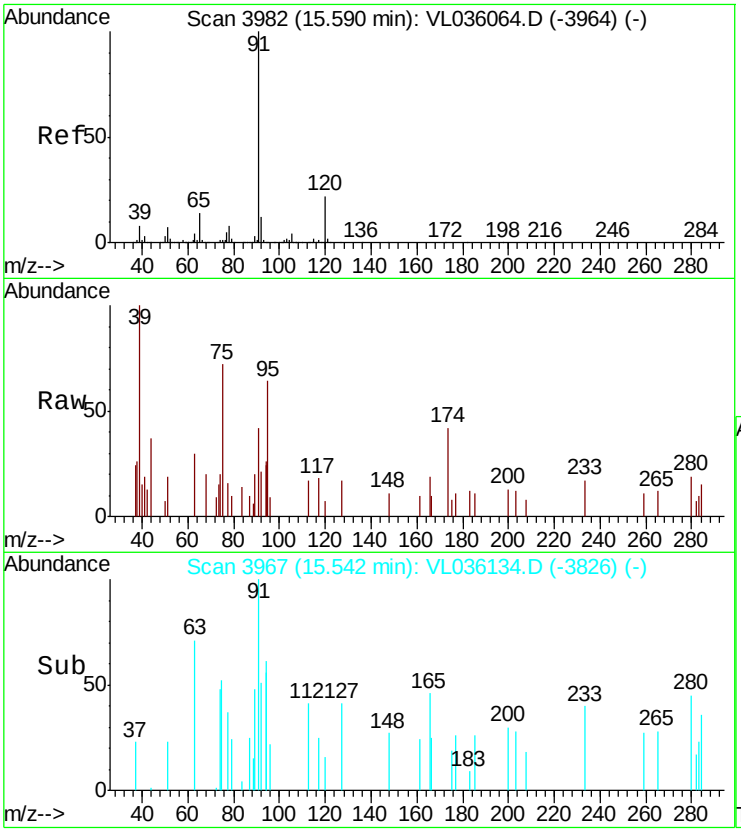


#63
1,1,2,2-Tetrachloroethane
Concen: 0.002 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 83 Resp: 288

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	145.1	32.5	97.5#

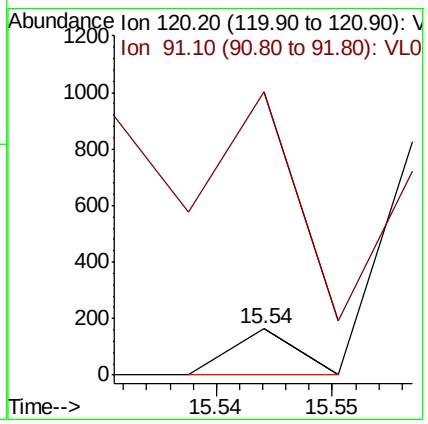


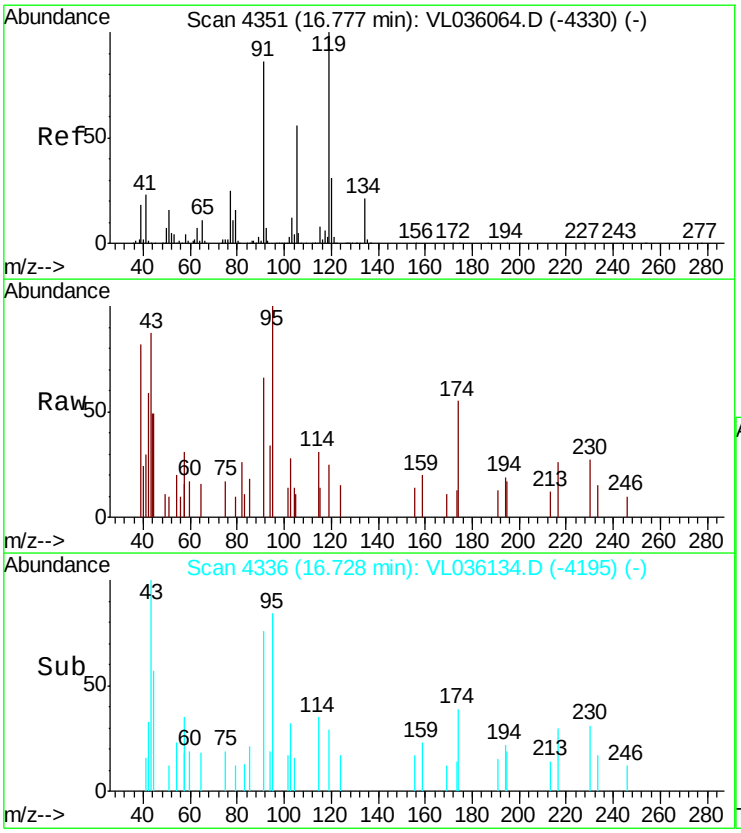


#64
n-propylbenzene
Concen: 0.000 ppbv
RT: 15.54 min Scan# 3967
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:120 Resp: 31

Ion	Ratio	Lower	Upper
120	100		
91	2480.6	388.9	583.3#

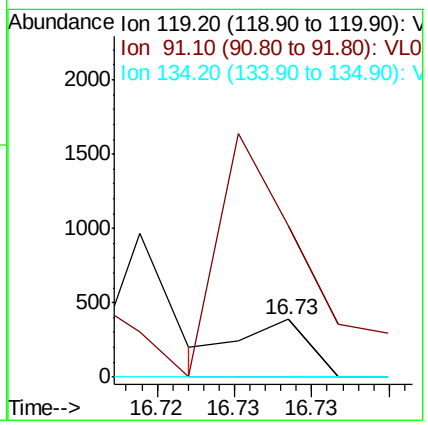


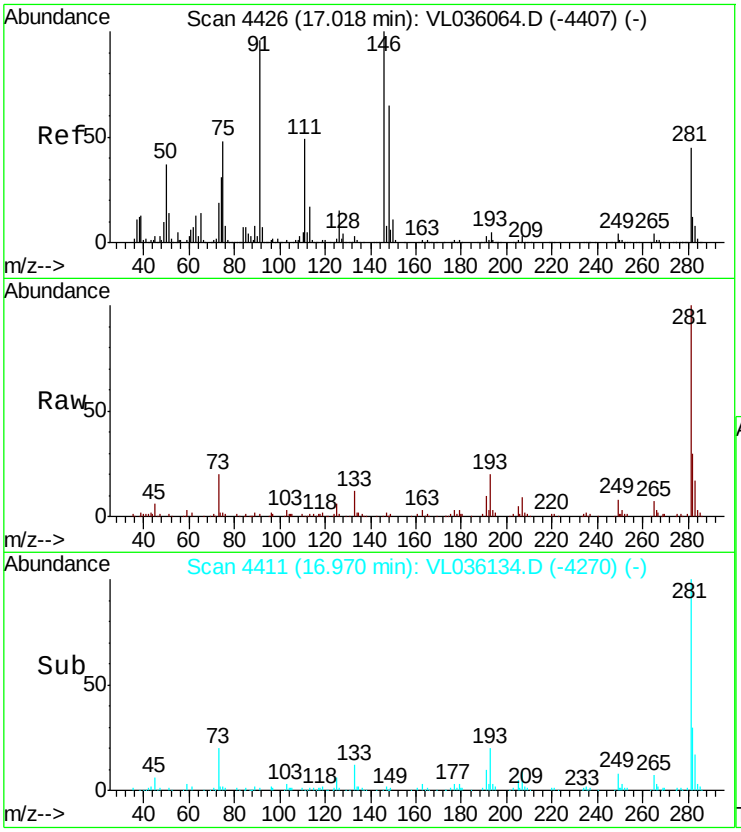


#65
tert-Butylbenzene
Concen: 0.000 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:119 Resp: 123

Ion	Ratio	Lower	Upper
119	100		
91	781.3	70.2	105.2#
134	0.0	15.8	23.6#

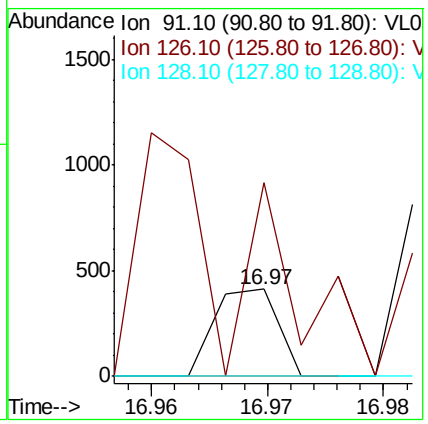


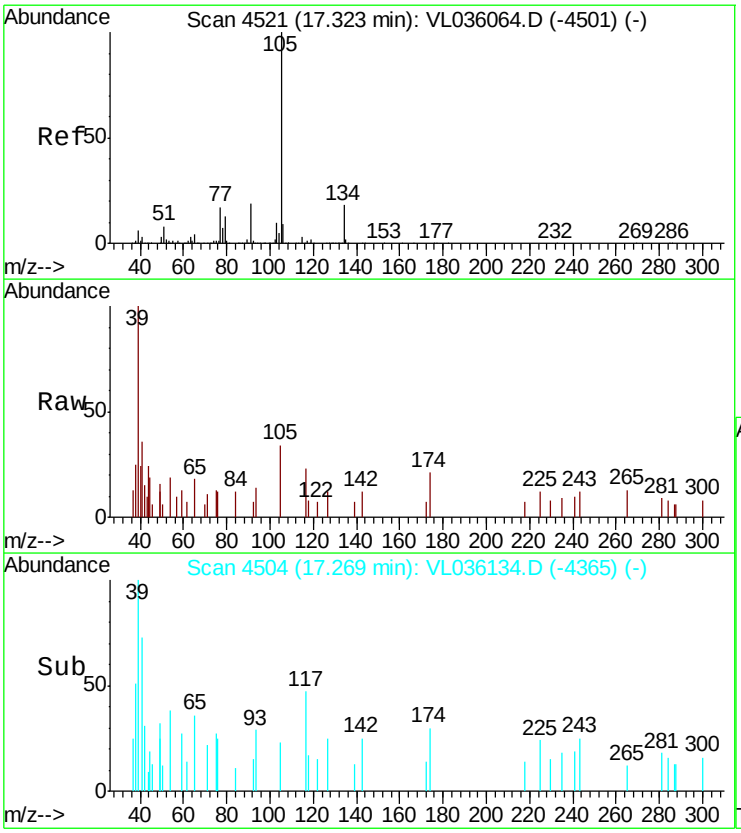


#66
Benzyl Chloride
Concen: 0.002 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 91 Resp: 155

Ion	Ratio	Lower	Upper
91	100		
126	174.8	13.5	20.3#
128	0.0	4.4	6.6#

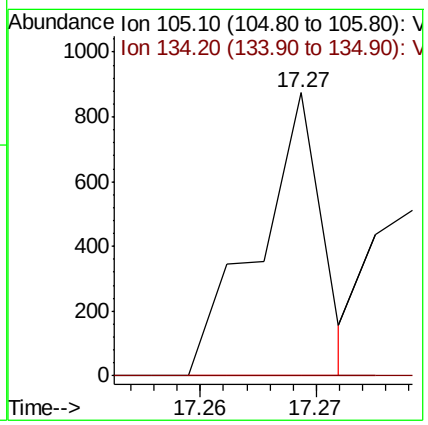


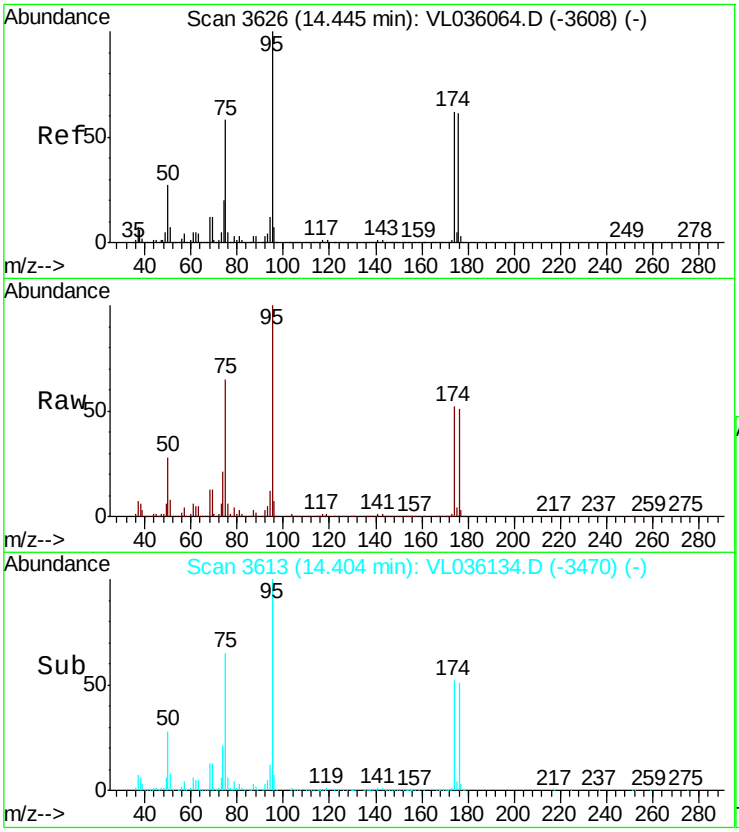


#67
sec-Butylbenzene
Concen: 0.001 ppbv
RT: 17.27 min Scan# 4504
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:105 Resp: 334

Ion	Ratio	Lower	Upper
105	100		
134	0.0	14.2	21.4#

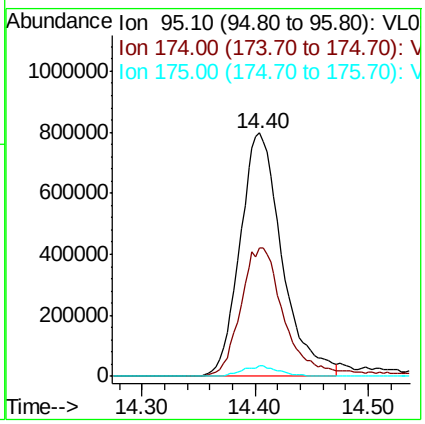


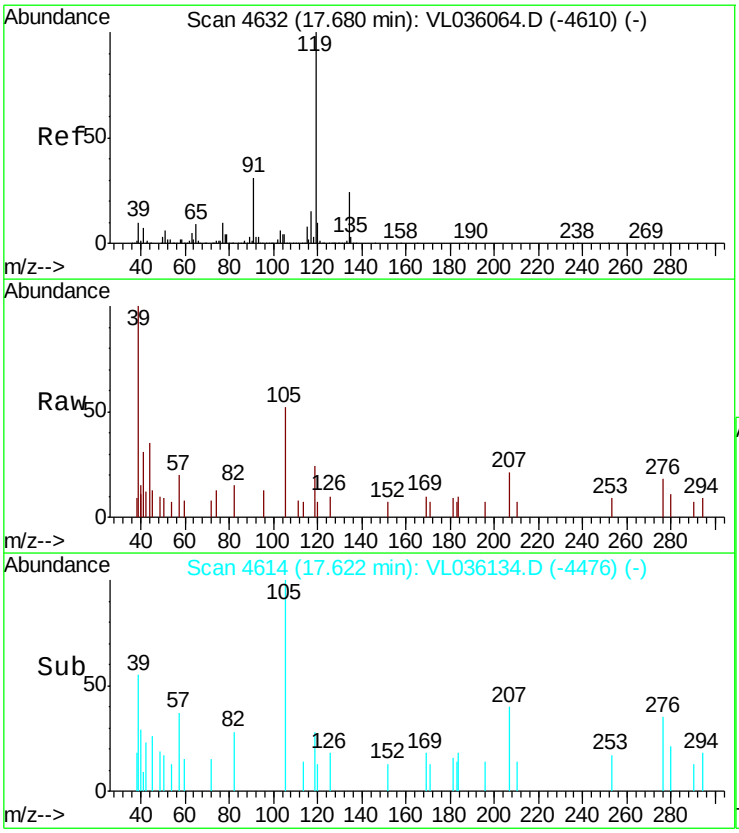


#68
1-Bromo-4-Fluorobenzene
Concen: 10.843 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 95 Resp: 2063299

Ion	Ratio	Lower	Upper
95	100		
174	57.2	50.7	76.1
175	3.9	4.0	6.0#

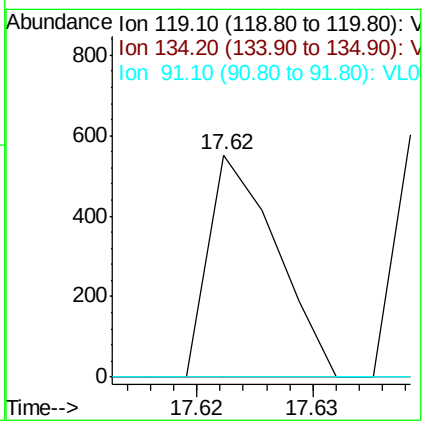


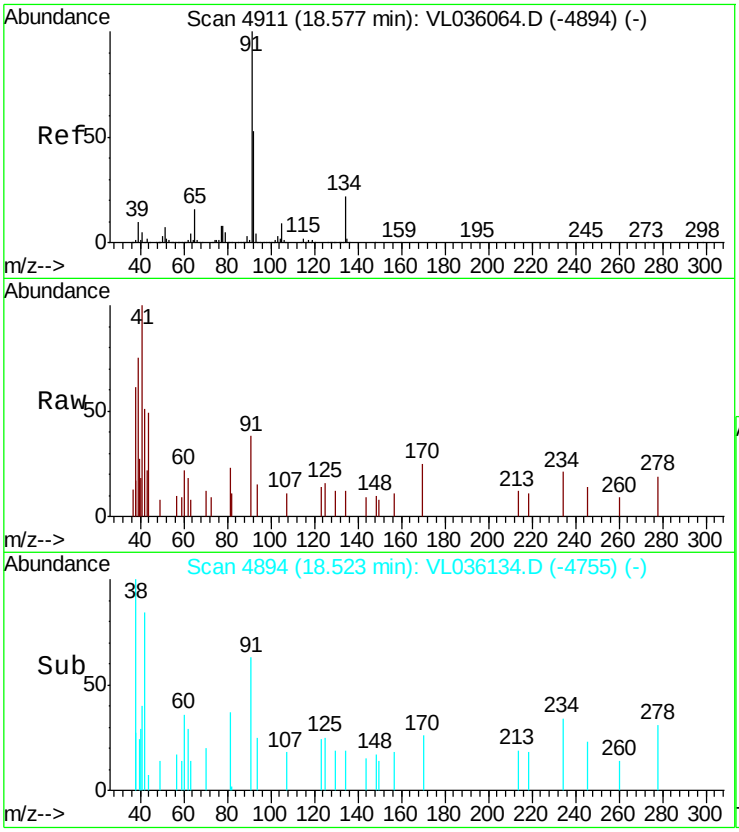


#69
p-Isopropyltoluene
Concen: 0.001 ppbv
RT: 17.62 min Scan# 4614
Delta R.T. -0.06 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:119 Resp: 223

Ion	Ratio	Lower	Upper
119	100		
134	0.0	19.8	29.6#
91	168.6	25.8	38.6#

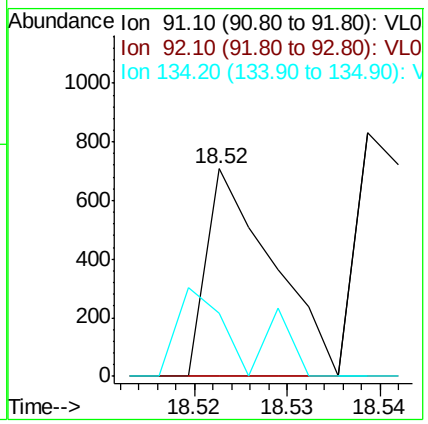


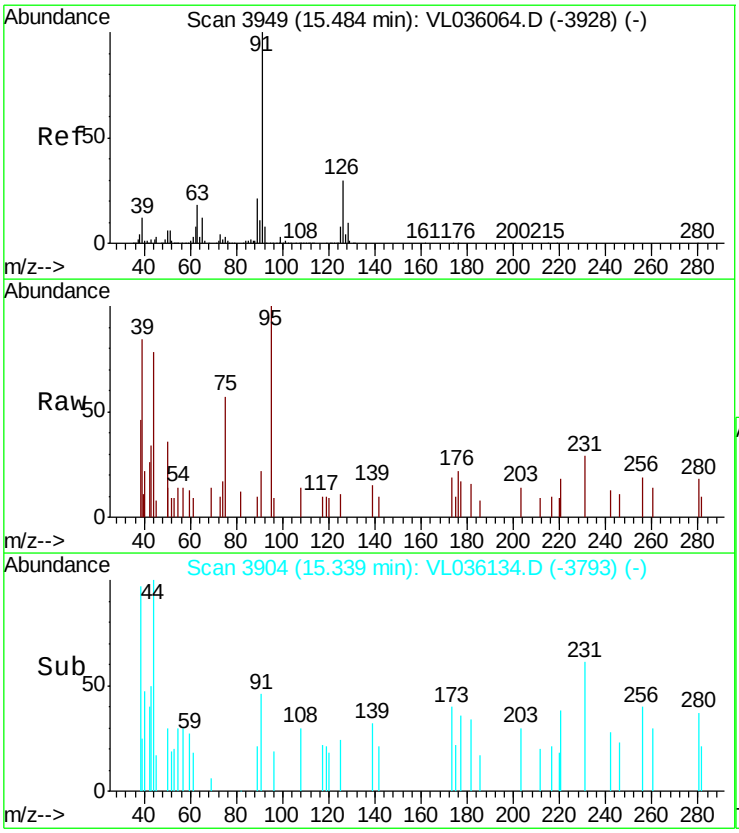


#70
n-Butylbenzene
Concen: 0.001 ppbv
RT: 18.52 min Scan# 4894
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 91 Resp: 350

Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.3	64.9#
134	41.4	17.1	25.7#

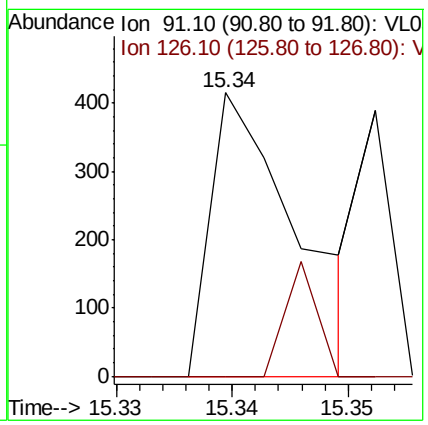


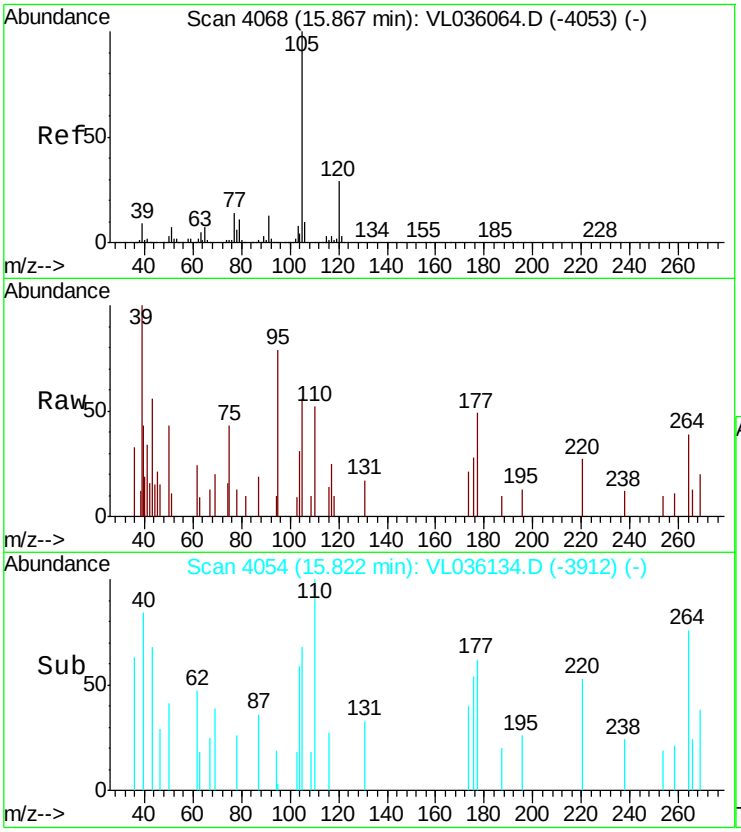


#71
2-Chlorotoluene
Concen: 0.001 ppbv
RT: 15.34 min Scan# 3904
Delta R.T. -0.14 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion: 91 Resp: 212

Ion	Ratio	Lower	Upper
91	100		
126	25.0	11.6	46.4

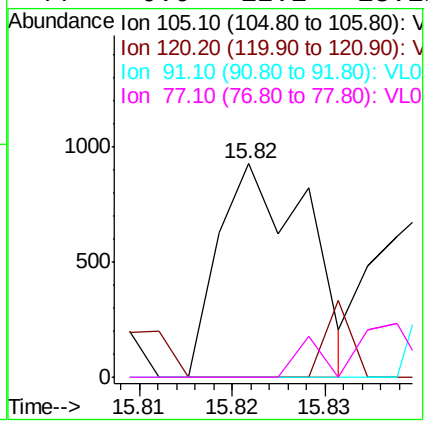


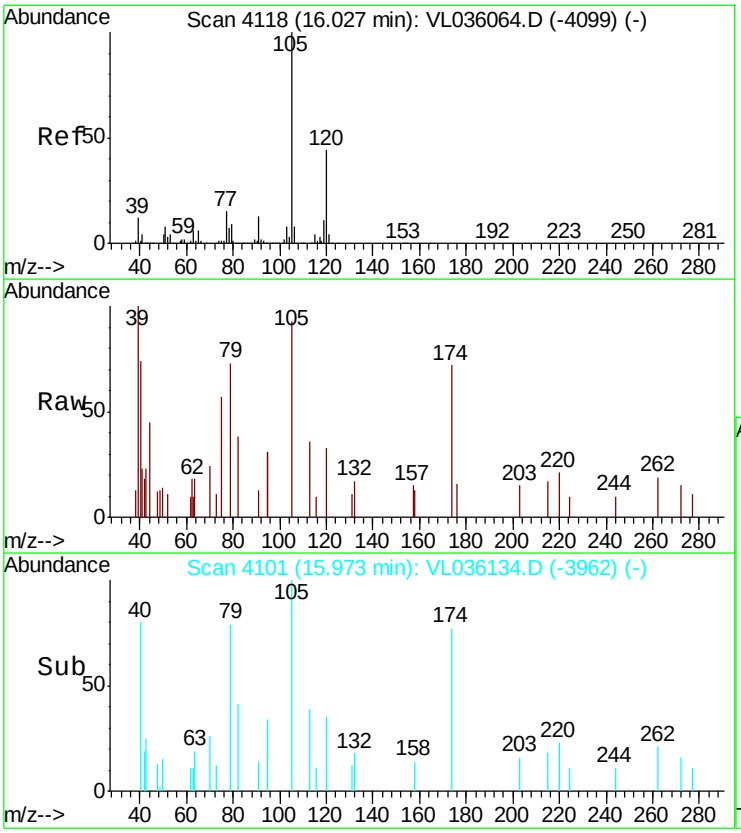


#72
4-Ethyltoluene
Concen: 0.002 ppbv
RT: 15.82 min Scan# 4054
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:105 Resp: 618

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.6	35.4#
91	0.0	11.4	17.0#
77	0.0	12.1	18.1#

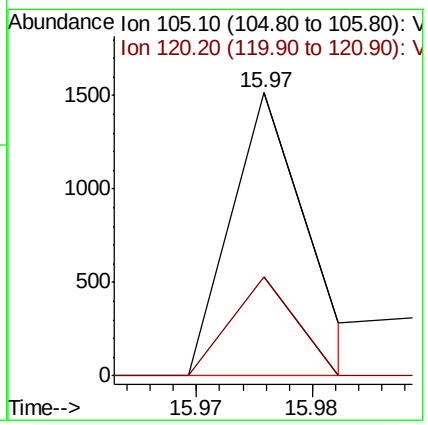


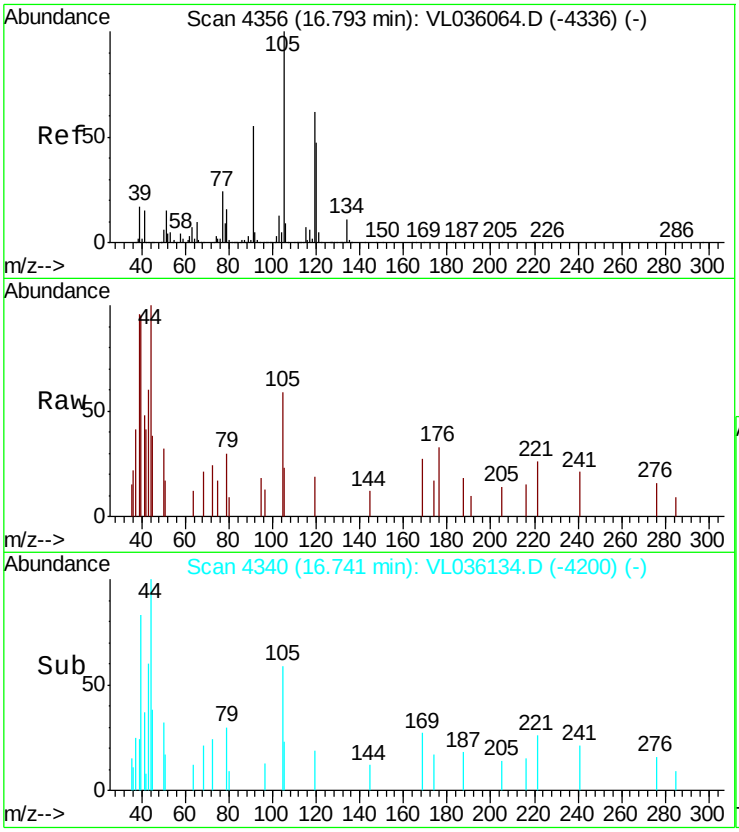


#73
1,3,5-Trimethylbenzene
Concen: 0.001 ppbv
RT: 15.97 min Scan# 4101
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:105 Resp: 348

Ion	Ratio	Lower	Upper
105	100		
120	34.9	35.4	53.2#

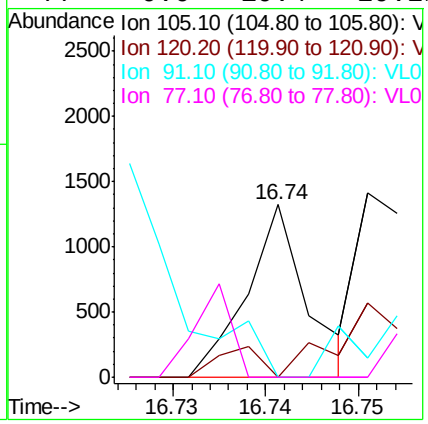


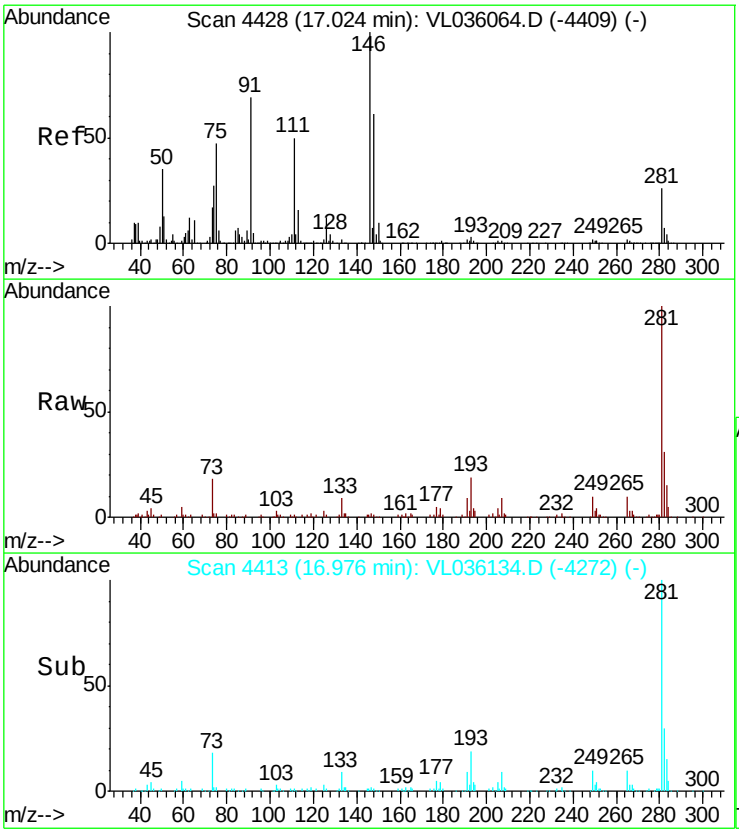


#74
1,2,4-Trimethylbenzene
Concen: 0.002 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:105 Resp: 587

Ion	Ratio	Lower	Upper
105	100		
120	0.0	37.4	56.0#
91	0.0	45.6	68.4#
77	0.0	19.4	29.2#

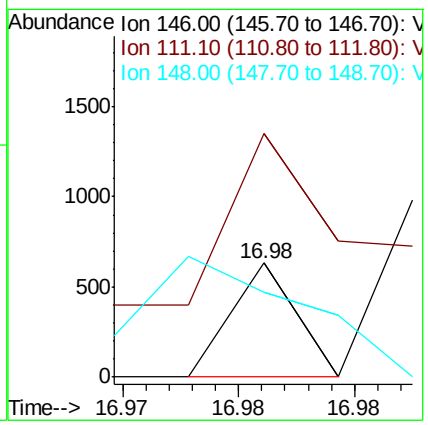


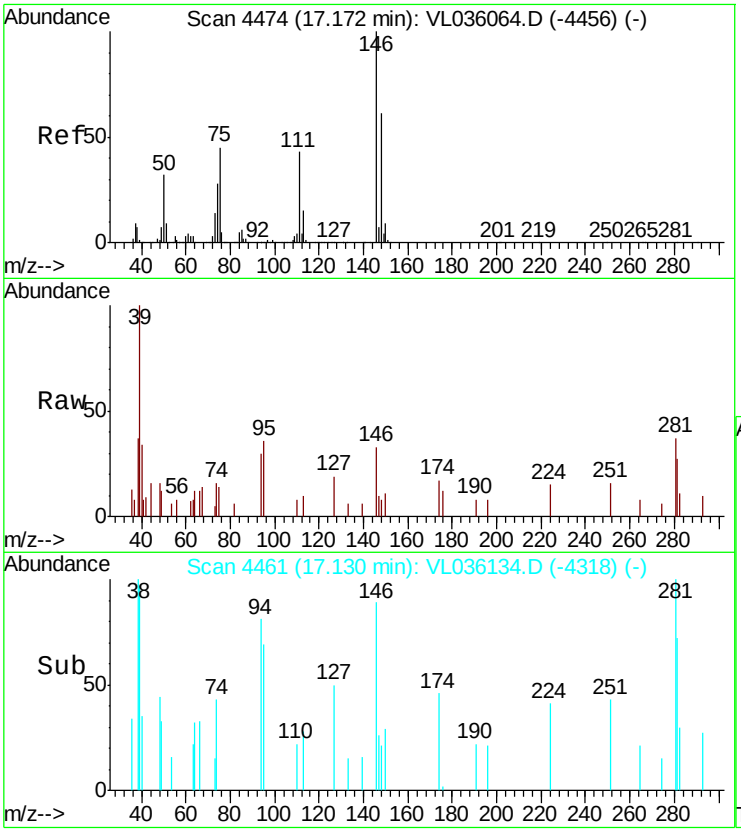


#75
1,3-Dichlorobenzene
Concen: 0.001 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:146 Resp: 122

Ion	Ratio	Lower	Upper
146	100		
111	691.0	25.1	75.3#
148	545.9	32.9	98.6#

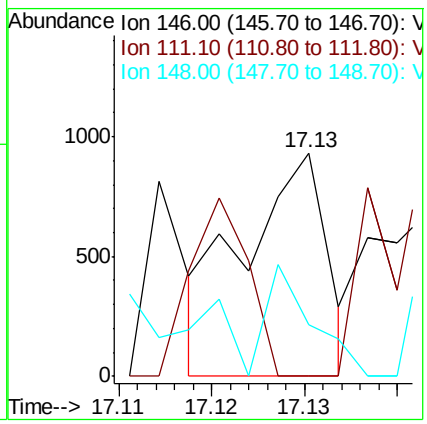


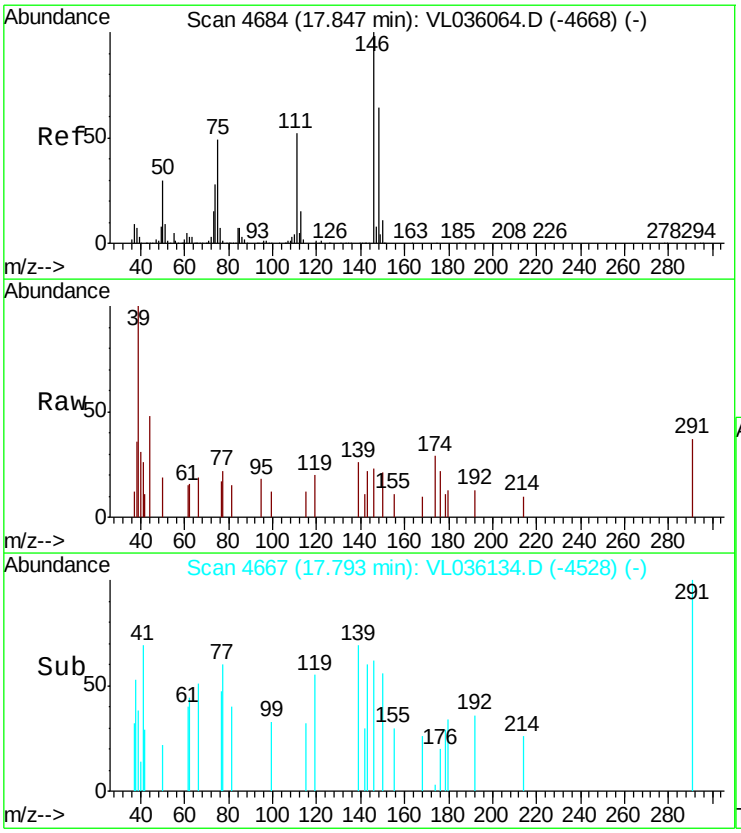


#76
1,4-Dichlorobenzene
Concen: 0.004 ppbv
RT: 17.13 min Scan# 4461
Delta R.T. -0.04 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:146 Resp: 581

Ion	Ratio	Lower	Upper
146	100		
111	55.4	24.3	72.8
148	74.7	32.8	98.3

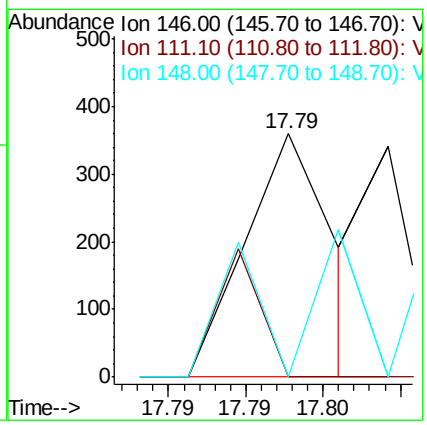


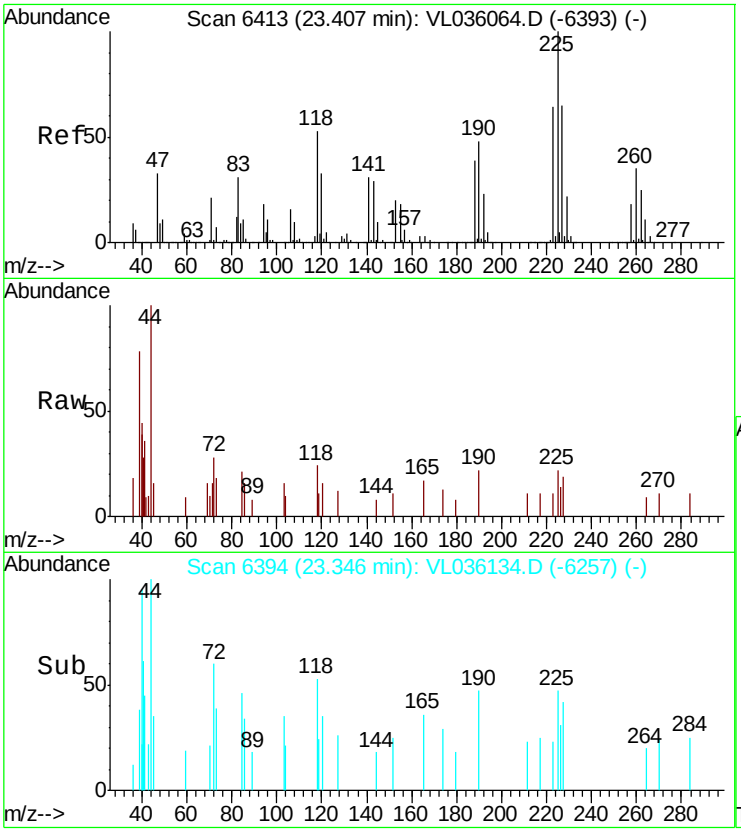


#77
1,2-Dichlorobenzene
Concen: 0.001 ppbv
RT: 17.79 min Scan# 4667
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:146 Resp: 140

Ion	Ratio	Lower	Upper
146	100		
111	0.0	26.1	78.2#
148	0.0	33.1	99.5#

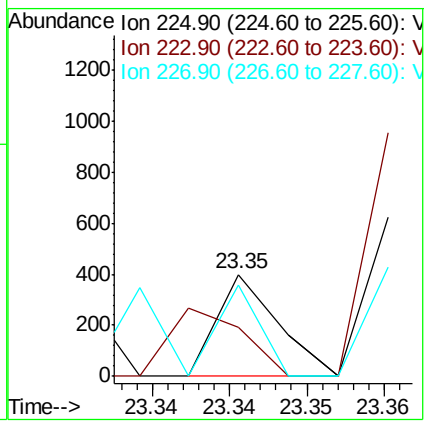


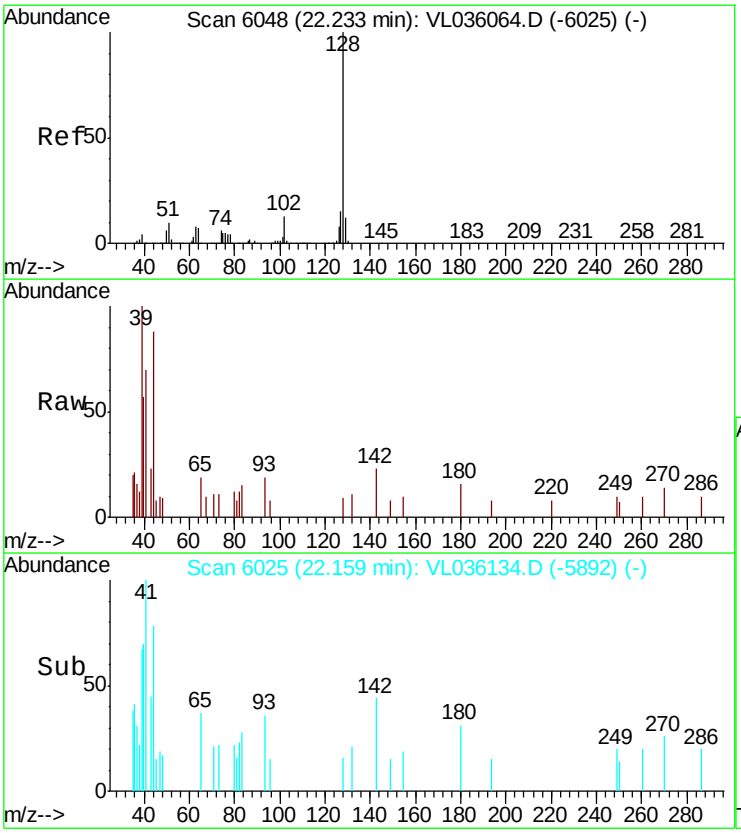


#78
Hexachloro-1,3-Butadiene
Concen: 0.001 ppbv
RT: 23.35 min Scan# 6394
Delta R.T. -0.06 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:225 Resp: 108

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.1	76.7#
227	0.0	51.7	77.5#

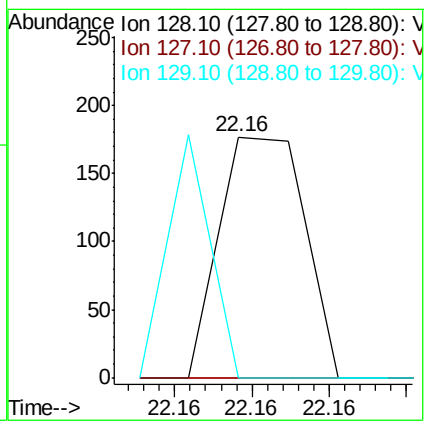


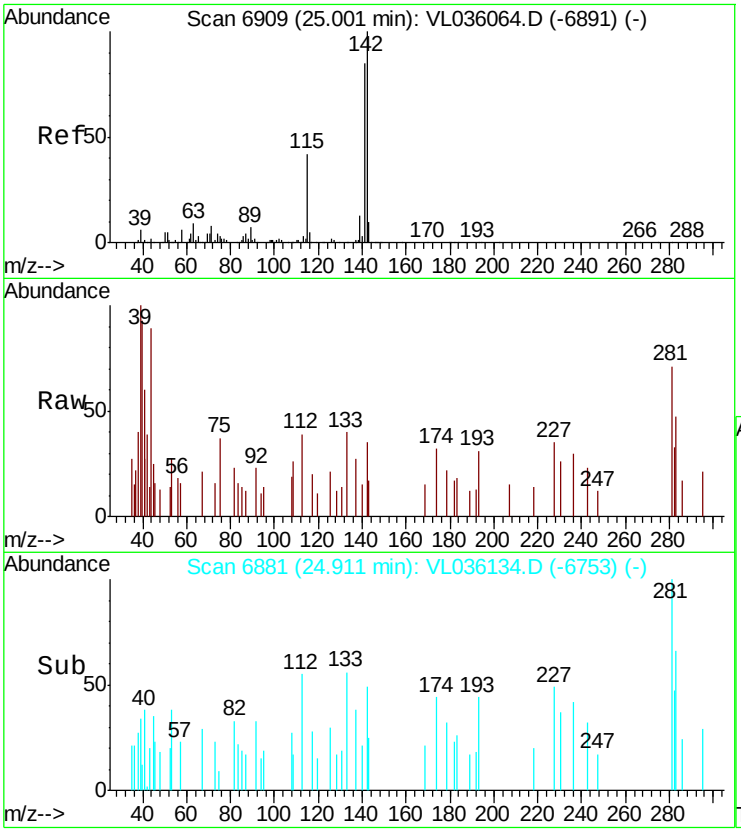


#79
Naphthalene
Concen: 0.000 ppbv
RT: 22.16 min Scan# 6025
Delta R.T. -0.07 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:128 Resp: 68

Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.7	17.5#
129	0.0	9.3	13.9#

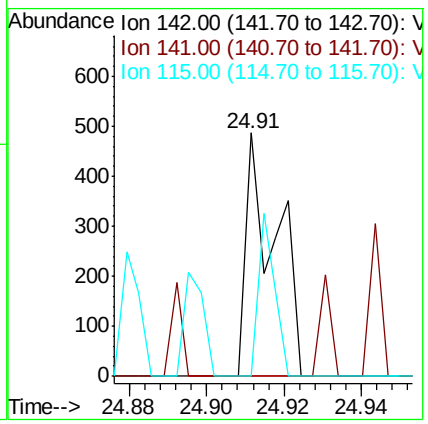


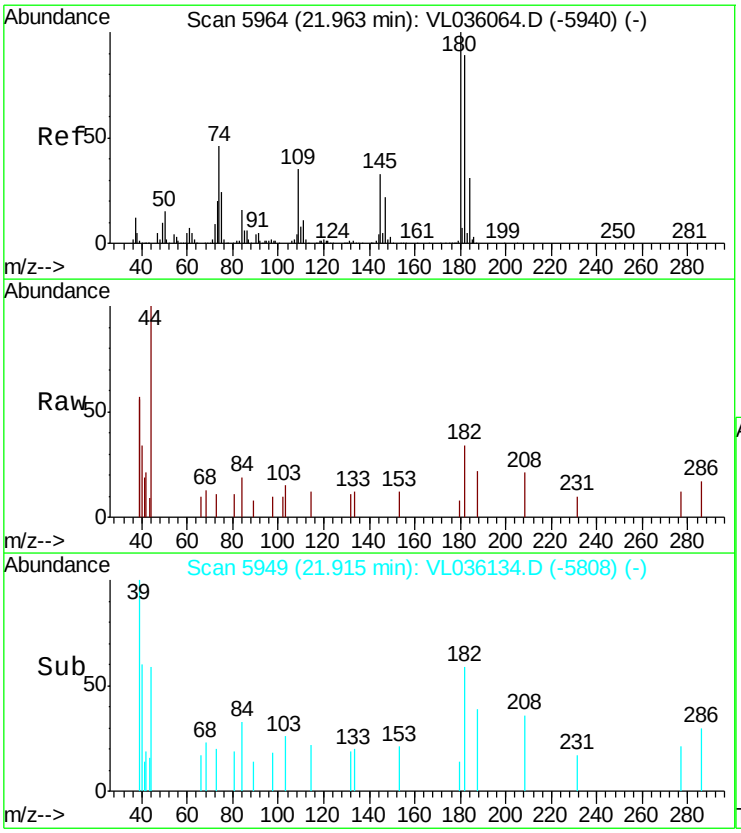


#80
Naphthalene,2-methyl-
Concen: 0.008 ppbv
RT: 24.91 min Scan# 6881
Delta R.T. -0.09 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:142 Resp: 255

Ion	Ratio	Lower	Upper
142	100		
141	38.4	64.3	96.5#
115	65.9	33.9	50.9#





#81
1,2,4-Trichlorobenzene
Concen: 0.000 ppbv
RT: 21.91 min Scan# 5949
Delta R.T. -0.05 min
Lab File: VL036134.D
Acq: 10 Dec 2020 19:01

Tgt Ion:180 Resp: 30

Ion	Ratio	Lower	Upper
180	100		
182	1446.7	0.0	0.0#
184	1303.3	0.0	0.0#