Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030619\
Data File : VL033248.D
Acq On : 6 Mar 2019 8:30
Operator : SY/AP
Sample : VL0306ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 04:23:49 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	989131	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2226237	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2145079	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1709514	10.50	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	651	0.005	ppbv		94
3) Chlorodifluoromethane	3.08	51	408	0.004	ppbv		97
4) Chloromethane	3.17	50	512	0.009	ppbv	#	44
5) Vinyl Chloride	3.27	62	74	0.001	ppbv	#	42
6) Bromomethane	3.50	94	74	0.002	ppbv	#	3
8) Dichlorotetrafluoroethane	3.05	85	651	0.005	ppbv	#	17
9) Propene	3.04	41	1016	0.020	ppbv	#	72
10) Heptane	8.26	43	30	0.000	ppbv	#	28
11) Trichlorofluoromethane	3.89	101	2966	0.018	ppbv	#	71
12) 1,1,2-Trichlorotrifluoroet	4.63	101	313	0.003	ppbv	#	14
15) Acetone	3.93	43	16561m	0.130	ppbv		
16) 1,3-Butadiene	3.36	39	104	0.002	ppbv	#	6
17) tert-Butyl alcohol	4.41	59	57	0.003	ppbv	#	1
18) 1,1-Dichloroethene	4.83	96	78	0.002	ppbv	#	1
19) Isopropyl Alcohol	4.04	45	42	0.001	ppbv	#	95
21) Allyl Chloride	4.48	41	58	0.001	ppbv	#	5
22) trans-1,2-Dichloroethene	5.05	96	102	0.002	ppbv	#	1
23) Vinyl Acetate	5.16	43	950	0.005	ppbv	#	41
24) 1,1-Dichloroethane	5.17	63	69	0.001	ppbv	#	89
25) Ethyl Acetate	5.77	43	86	0.000	ppbv	#	76
26) Hexane	5.78	57	540	0.005	ppbv	#	57
27) Carbon Disulfide	5.06	76	39	0.000	ppbv	#	1
28) Methyl tert-Butyl Ether	4.70	73	124	0.001	ppbv	#	54
29) Chloroform	5.85	83	52	0.000	ppbv	#	18
30) Cyclohexane	7.27	84	873	0.011	ppbv	#	1
32) 1,1,1-Trichloroethane	7.06	97	80	0.000	ppbv	#	54
34) 2-Butanone	5.34	43	139	0.001	ppbv	#	55
35) Carbon Tetrachloride	7.56	117	42	0.000	ppbv	#	12
36) Benzene	7.00	78	210	0.001	ppbv	#	55
38) Trichloroethene	8.09	130	31	0.000	ppbv	#	1
40) 1,4-Dioxane	7.68	88	111	0.004	ppbv	#	1
41) Tetrahydrofuran	6.18	42	76	0.001	ppbv	#	38
42) Bromodichloromethane	7.92	83	124	0.001	ppbv	#	55
43) Methyl Methacrylate	7.97	69	39	0.000	ppbv	#	46
44) 2,2,4-Trimethylpentane	7.99	57	65	0.000	ppbv	#	43
45) t-1,3-Dichloropropene	9.41	75	37	0.000	ppbv	#	44
46) cis-1,3-Dichloropropene	8.82	75	74	0.001	ppbv	#	1
47) 1,1,2-Trichloroethane	9.93	97	61	0.001	ppbv	#	15
48) Dibromochloromethane	10.49	129	62	0.000	ppbv	#	28
50) 4-Methyl-2-Pentanone	8.91	43	519	0.002	ppbv	#	40
51) 2-Hexanone	10.34	43	87	0.001	ppbv	#	78

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030619\
Data File : VL033248.D
Acq On : 6 Mar 2019 8:30
Operator : SY/AP
Sample : VL0306ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 04:23:49 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

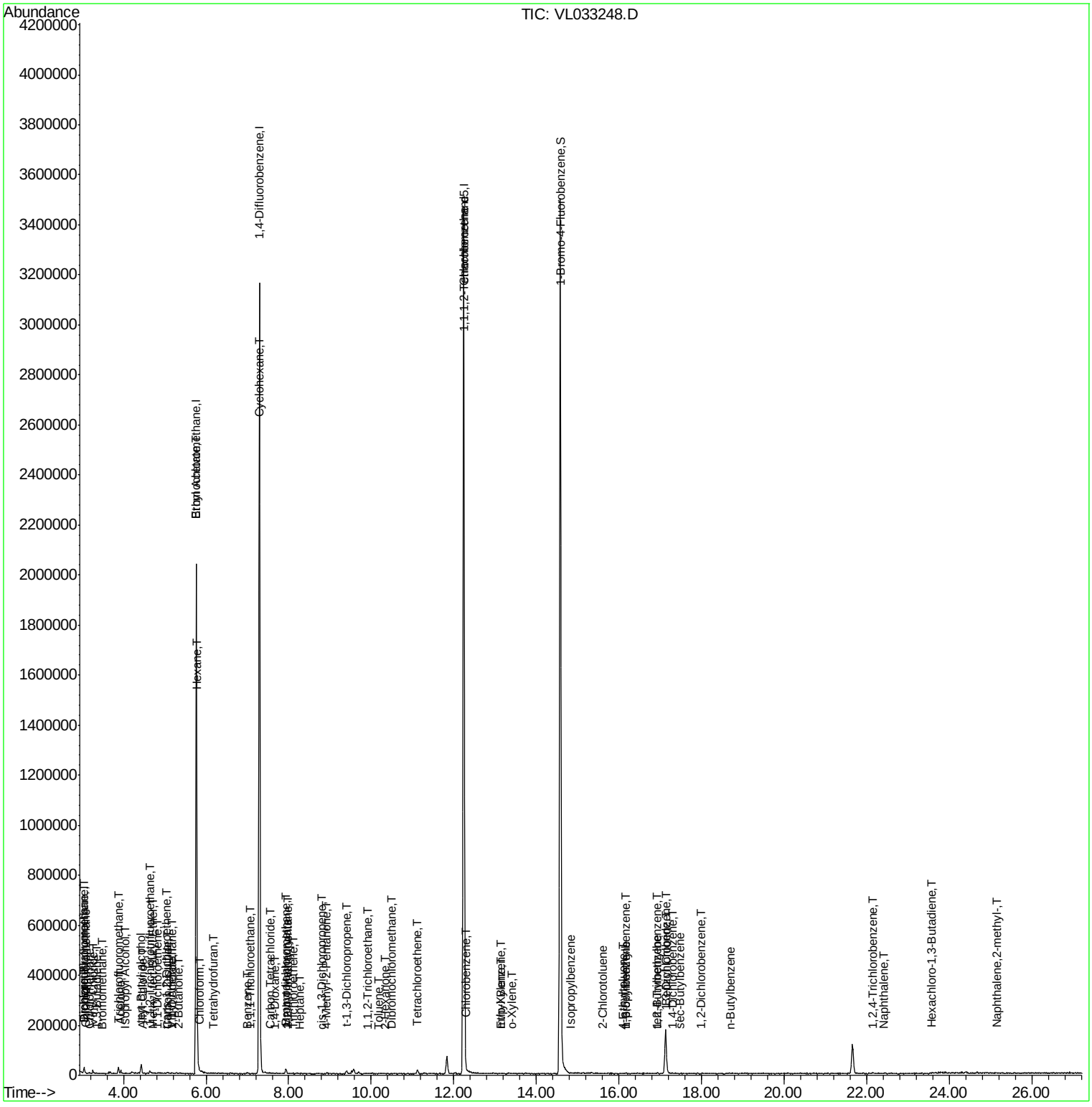
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tetrachloroethene	11.12	164	110	0.001	ppbv	#	33
53) Toluene	10.19	91	134	0.001	ppbv	#	78
56) 1,1,1,2-Tetrachloroethane	12.26	131	90	0.001	ppbv	#	1
57) Chlorobenzene	12.30	112	71	0.000	ppbv	#	23
58) Ethyl Benzene	13.14	91	74	0.000	ppbv	#	45
59) m/p-Xylene	13.14	91	74	0.000	ppbv	#	69
60) o-Xylene	13.41	91	94	0.000	ppbv	#	33
62) Isopropylbenzene	14.82	105	110	0.000	ppbv	#	50
64) n-propylbenzene	16.16	120	39	0.000	ppbv		81
65) tert-Butylbenzene	16.92	119	79	0.000	ppbv	#	17
66) Benzyl Chloride	17.16	91	92	0.001	ppbv	#	1
67) sec-Butylbenzene	17.46	105	300	0.001	ppbv	#	60
70) n-Butylbenzene	18.71	91	70	0.000	ppbv	#	34
71) 2-Chlorotoluene	15.61	91	55	0.000	ppbv	#	46
72) 4-Ethyltoluene	16.10	105	68	0.000	ppbv	#	8
73) 1,3,5-Trimethylbenzene	16.16	105	152	0.001	ppbv		90
74) 1,2,4-Trimethylbenzene	16.92	105	292	0.001	ppbv	#	52
75) 1,3-Dichlorobenzene	17.16	146	152	0.001	ppbv	#	23
76) 1,4-Dichlorobenzene	17.31	146	117	0.001	ppbv	#	23
77) 1,2-Dichlorobenzene	17.99	146	39	0.000	ppbv	#	23
78) Hexachloro-1,3-Butadiene	23.55	225	62	0.001	ppbv	#	1
79) Naphthalene	22.42	128	277	0.001	ppbv	#	69
80) Naphthalene,2-methyl-	25.14	142	743	0.008	ppbv	#	71
81) 1,2,4-Trichlorobenzene	22.14	180	73	0.000	ppbv	#	12

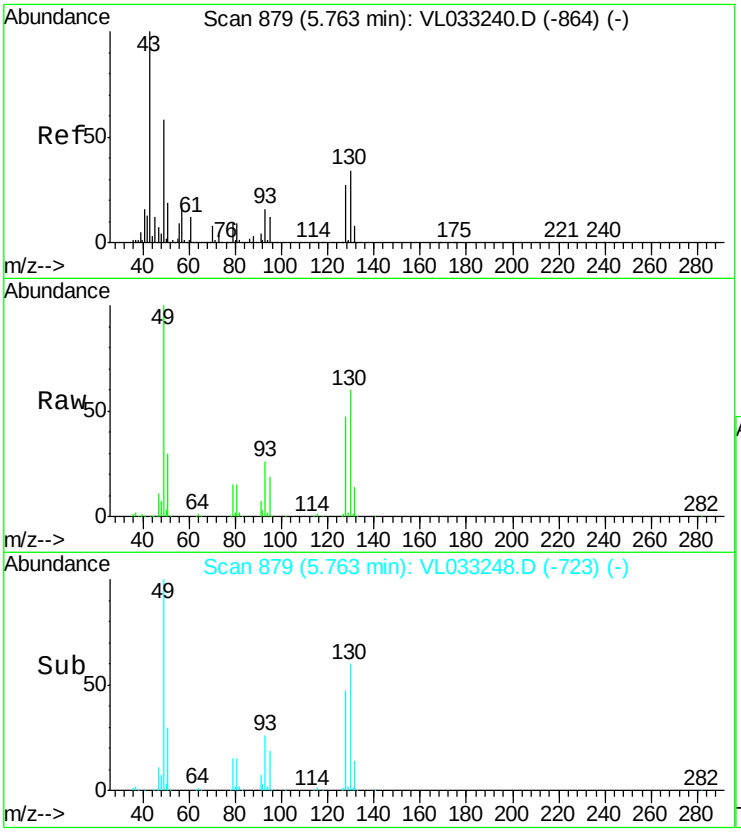
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030619\
Data File : VL033248.D
Acq On : 6 Mar 2019 8:30
Operator : SY/AP
Sample : VL0306ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 04:23:49 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

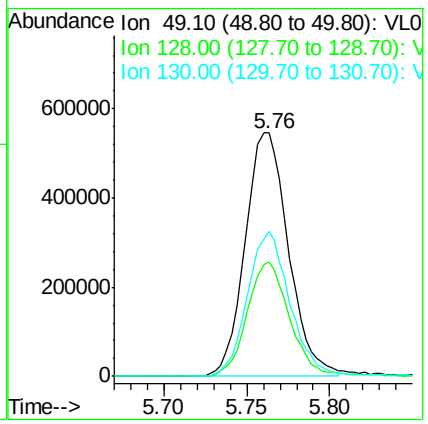


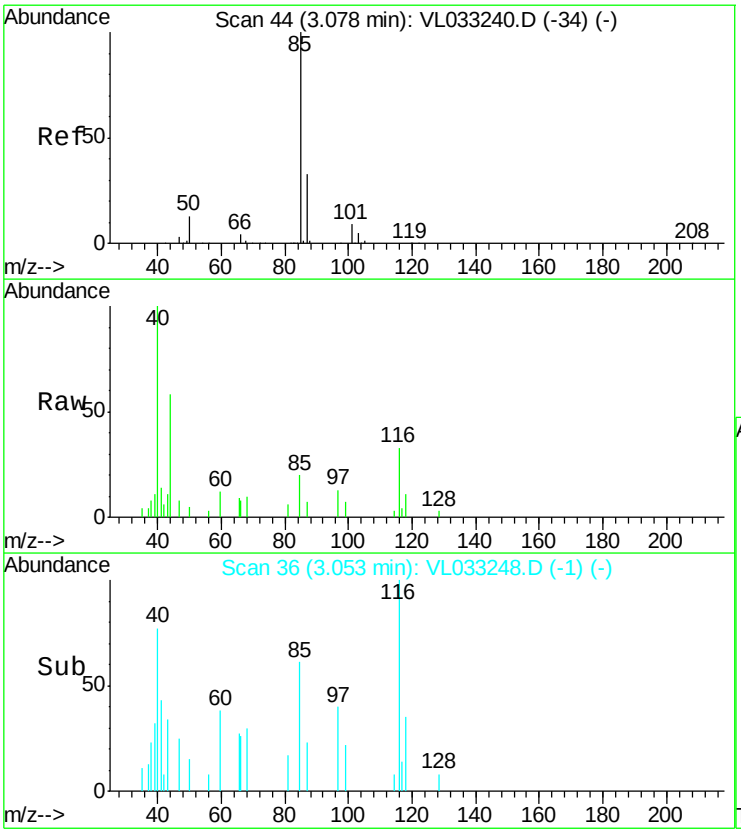


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 49 Resp: 989131

Ion	Ratio	Lower	Upper
49	100		
128	46.5	22.9	68.8
130	59.4	29.3	88.0

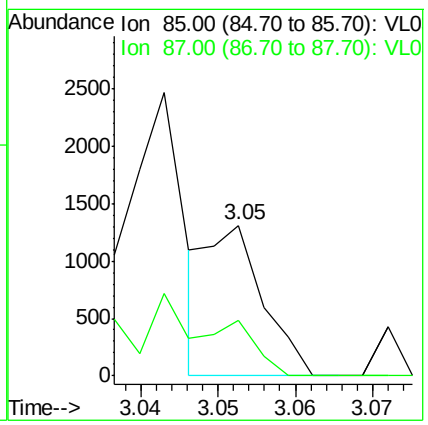


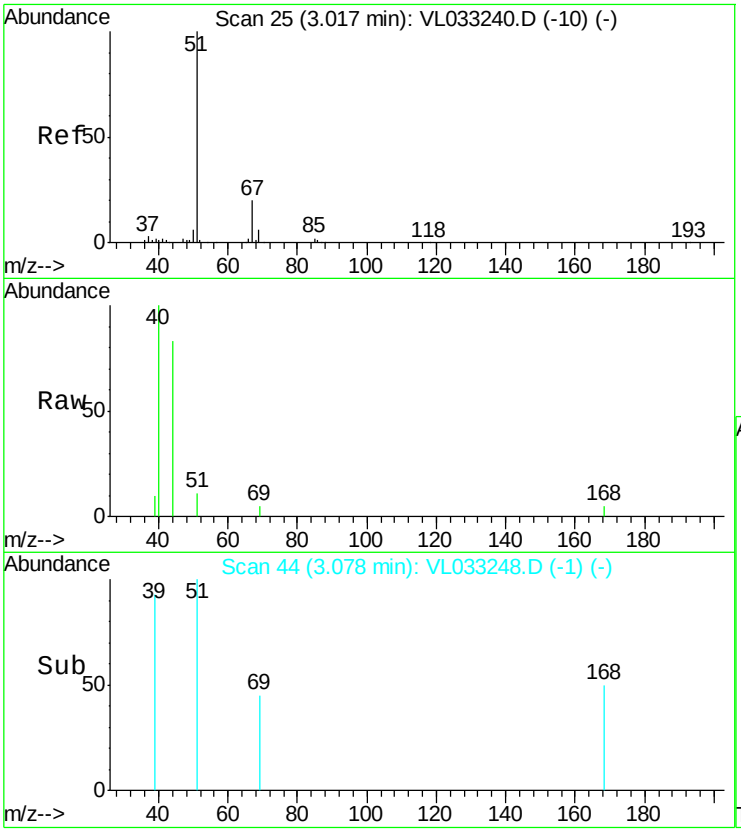


#2
Dichlorodifluoromethane
Concen: 0.005 ppbv
RT: 3.05 min Scan# 36
Delta R.T. -0.03 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 85 Resp: 651

Ion	Ratio	Lower	Upper
85	100		
87	36.7	26.7	40.1

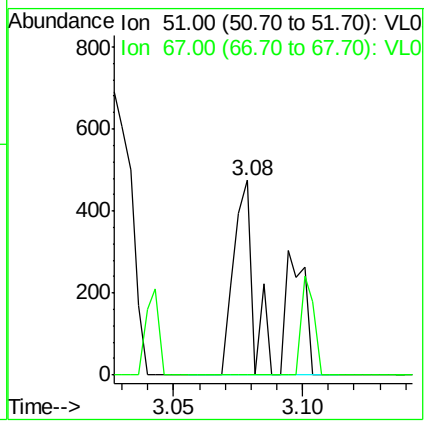


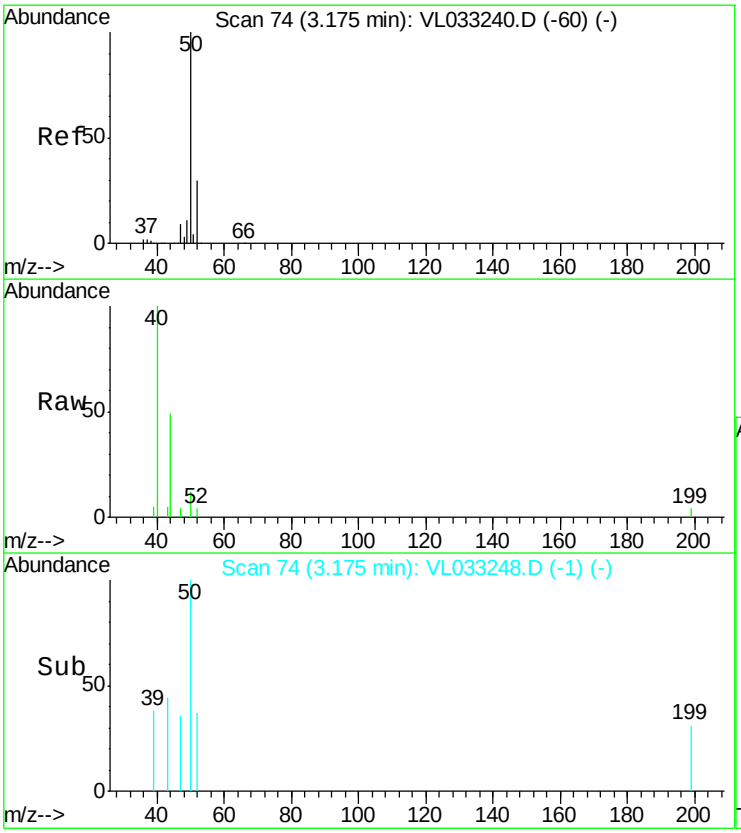


#3
Chlorodifluoromethane
Concen: 0.004 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.06 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 51 Resp: 408

Ion	Ratio	Lower	Upper
51	100		
67	19.9	15.0	22.4

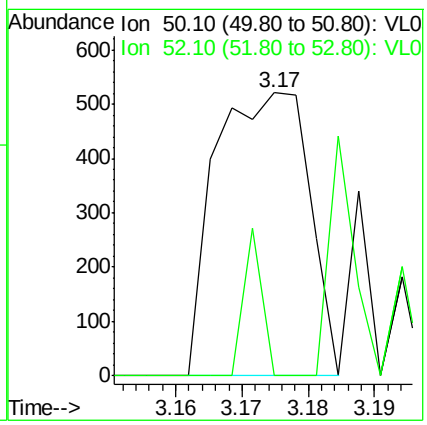


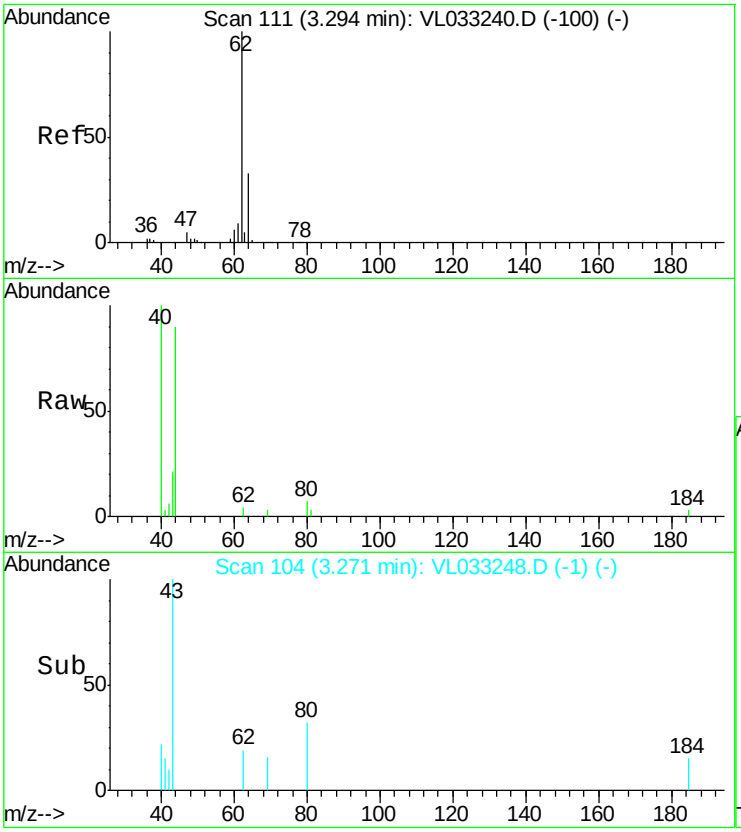


#4
Chloromethane
Concen: 0.009 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 50 Resp: 512

Ion	Ratio	Lower	Upper
50	100		
52	0.0	24.3	36.5#

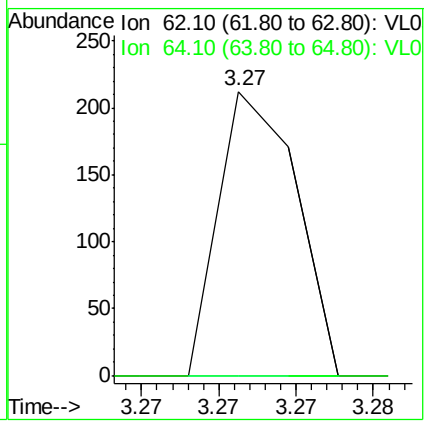


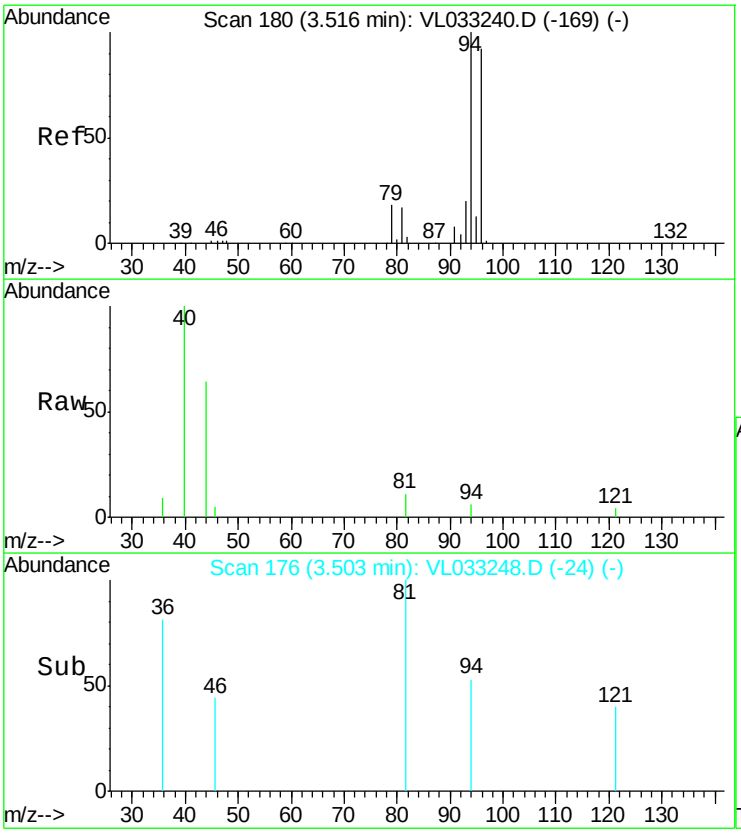


#5
Vinyl Chloride
Concen: 0.001 ppbv
RT: 3.27 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 62 Resp: 74

Ion	Ratio	Lower	Upper
62	100		
64	0.0	26.2	39.2#

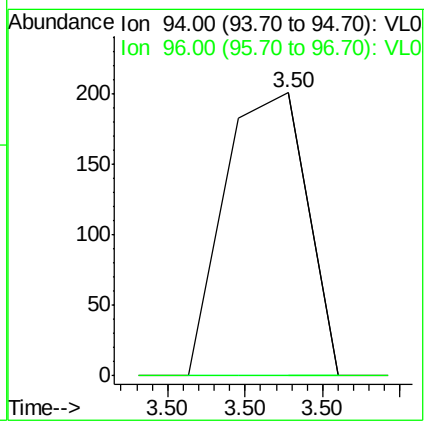


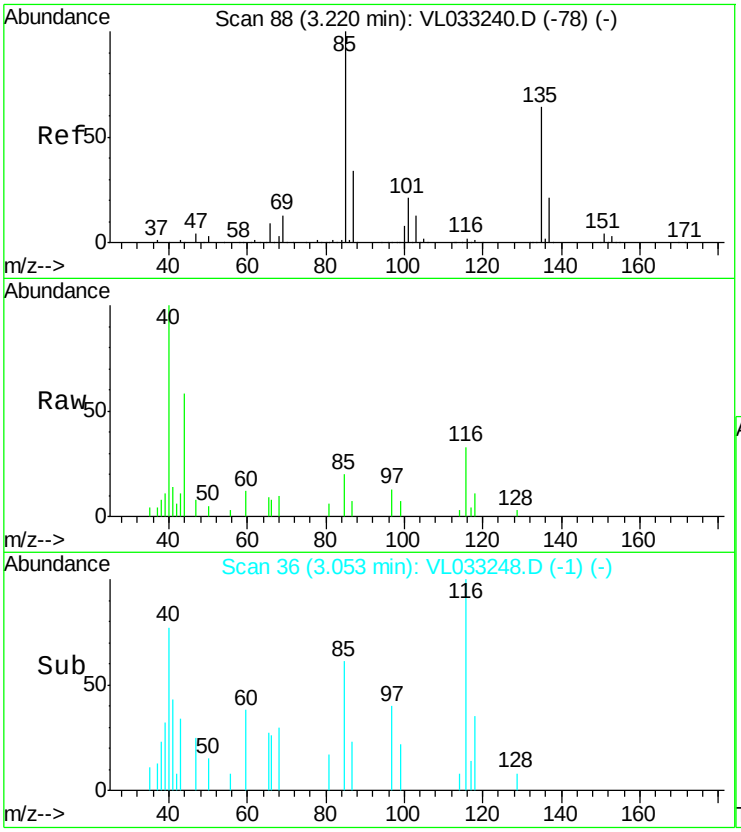


#6
Bromomethane
Concen: 0.002 ppbv
RT: 3.50 min Scan# 176
Delta R.T. -0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 94 Resp: 74

Ion	Ratio	Lower	Upper
94	100		
96	0.0	74.0	111.0#

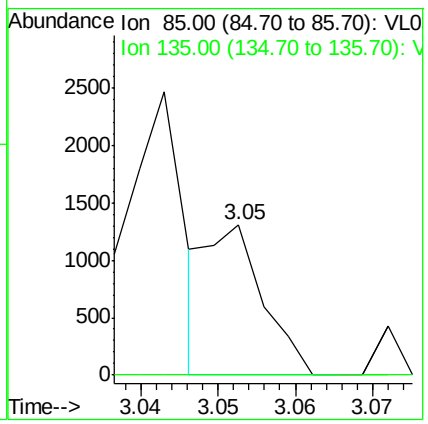


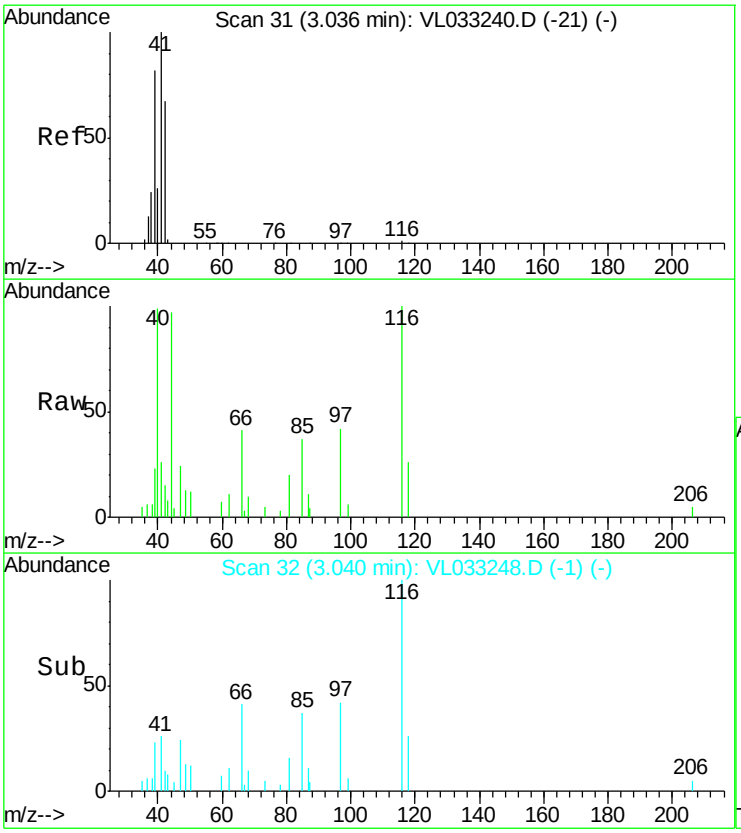


#8
Dichlorotetrafluoroethane
Concen: 0.005 ppbv
RT: 3.05 min Scan# 36
Delta R.T. -0.17 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 85 Resp: 651

Ion	Ratio	Lower	Upper
85	100		
135	0.0	52.6	79.0#

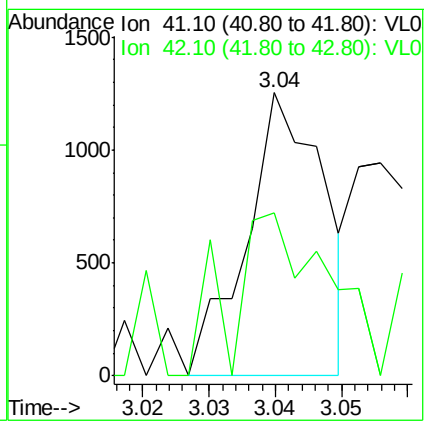


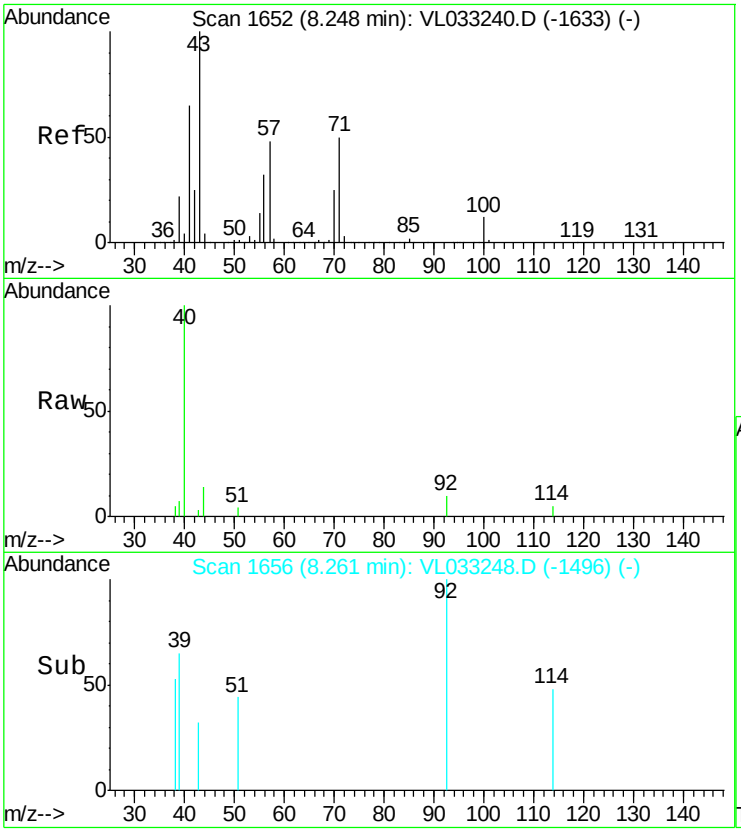


#9
Propene
Concen: 0.020 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 41 Resp: 1016

Ion	Ratio	Lower	Upper
41	100		
42	91.8	55.3	82.9#

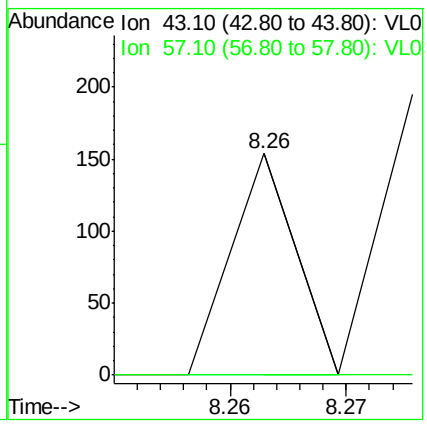


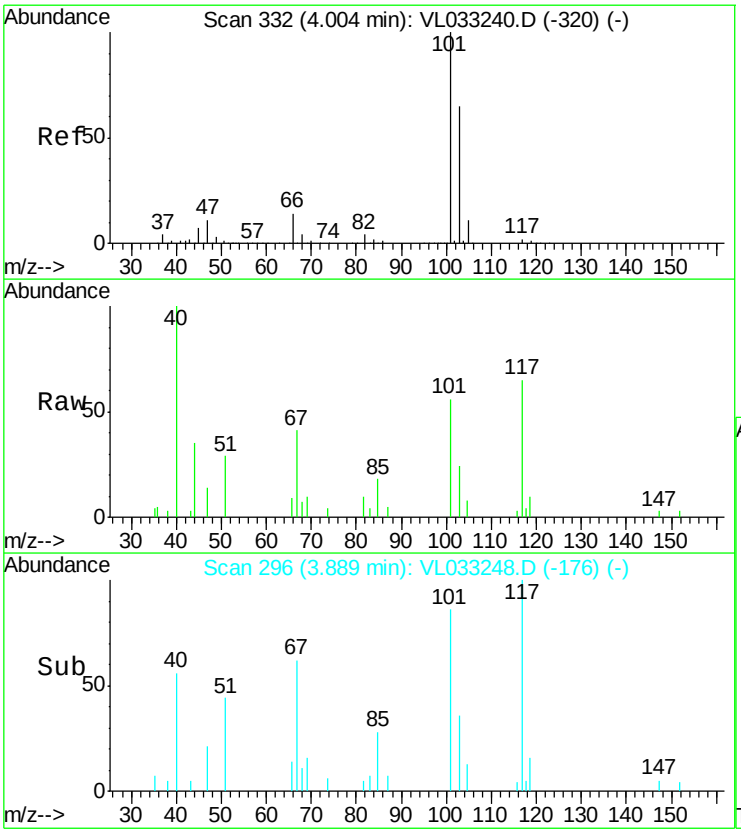


#10
Heptane
Concen: 0.000 ppbv
RT: 8.26 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 43 Resp: 30

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.8	59.6#

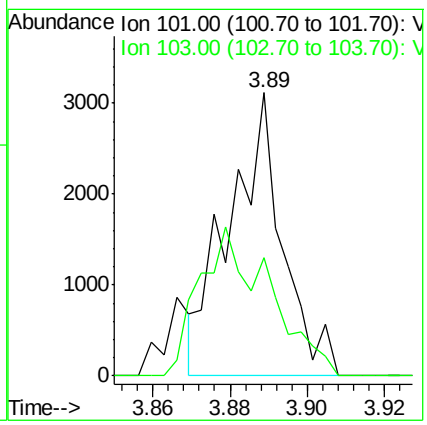


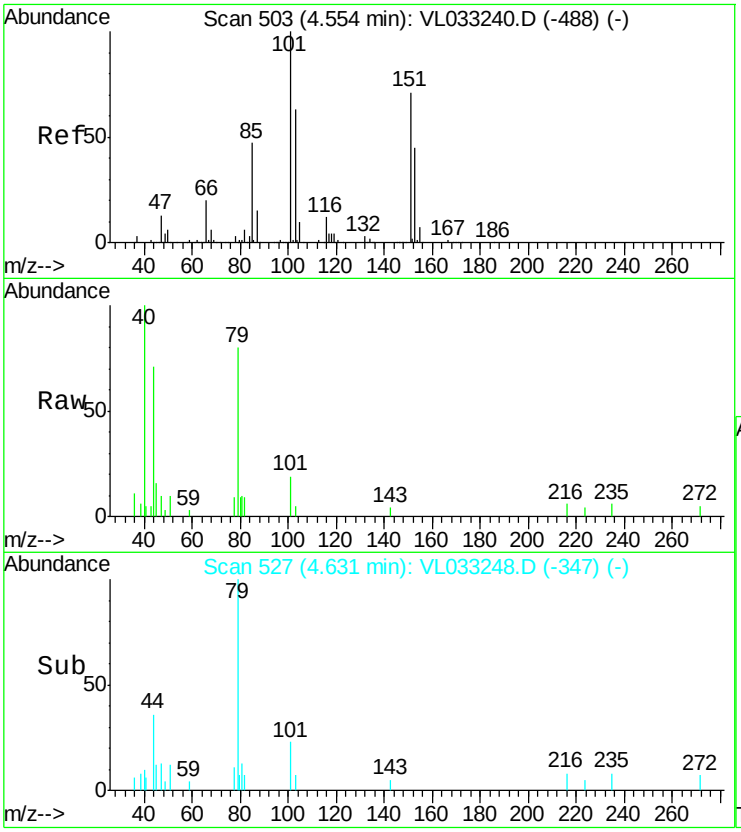


#11
Trichlorofluoromethane
Concen: 0.018 ppbv
RT: 3.89 min Scan# 296
Delta R.T. -0.12 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:101 Resp: 2966

Ion	Ratio	Lower	Upper
101	100		
103	41.8	51.7	77.5#

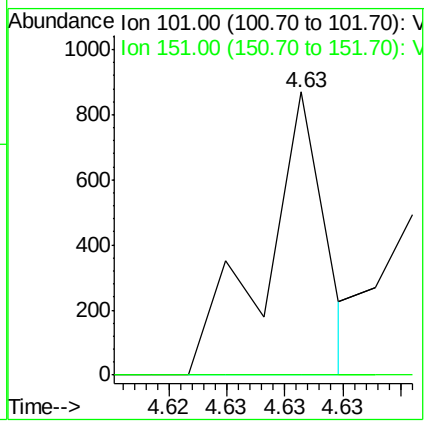


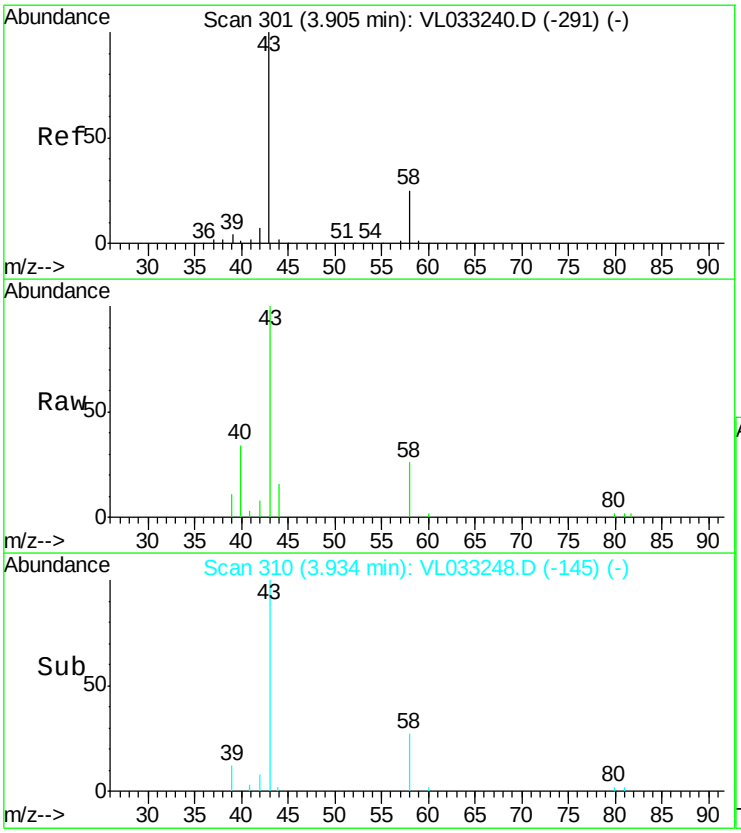


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.003 ppbv
RT: 4.63 min Scan# 527
Delta R.T. 0.08 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:101 Resp: 313

Ion	Ratio	Lower	Upper
101	100		
151	0.0	57.0	85.6#

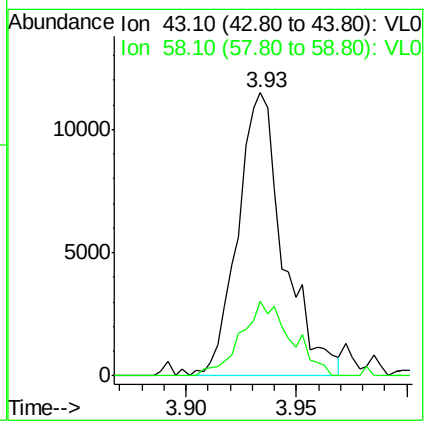


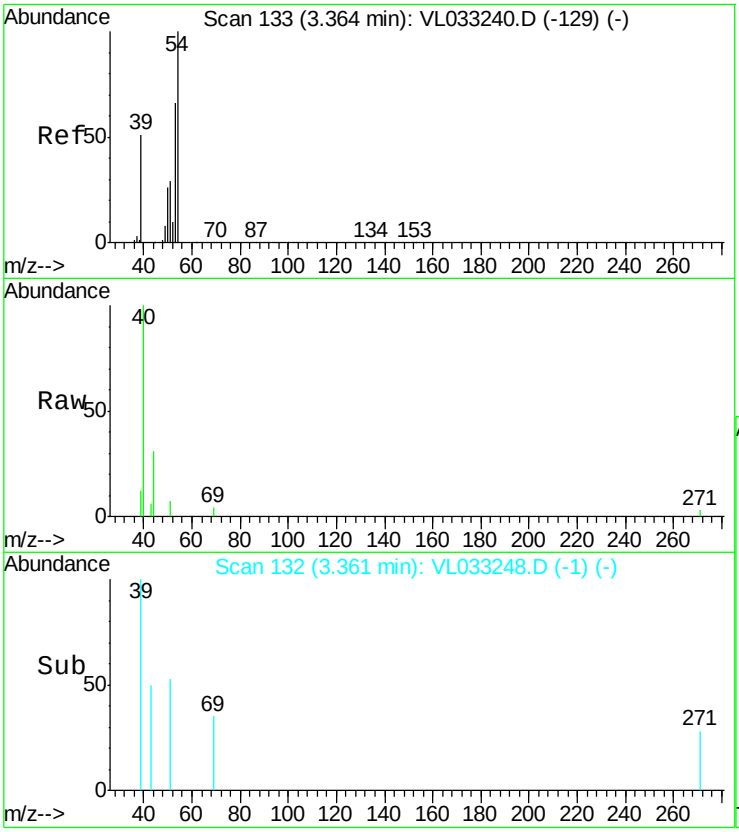


#15
Acetone
Concen: 0.130 ppbv m
RT: 3.93 min Scan# 310
Delta R.T. 0.03 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 43 Resp: 16561

Ion	Ratio	Lower	Upper
43	100		
58	29.3	20.2	30.4

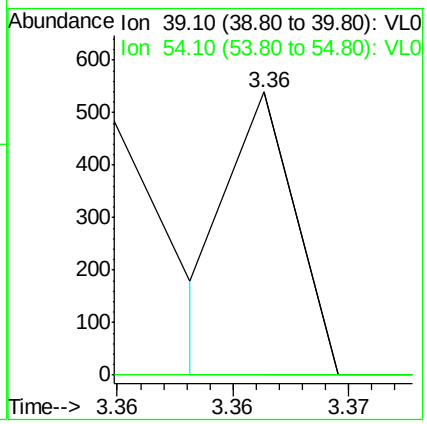


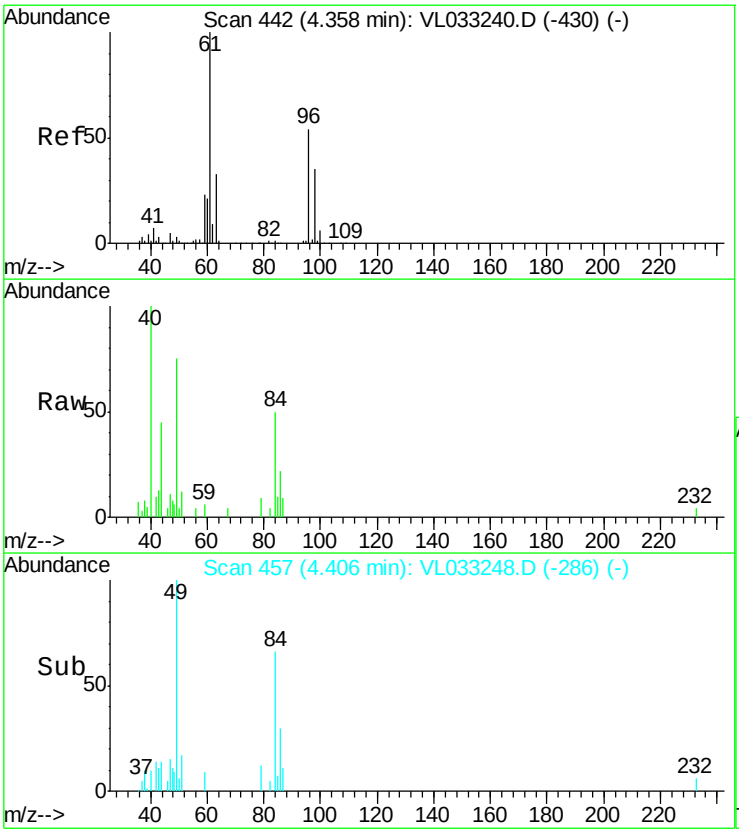


#16
1,3-Butadiene
Concen: 0.002 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 39 Resp: 104

Ion	Ratio	Lower	Upper
39	100		
54	0.0	69.6	104.4#

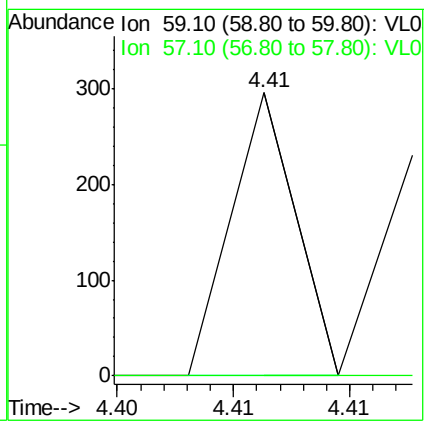


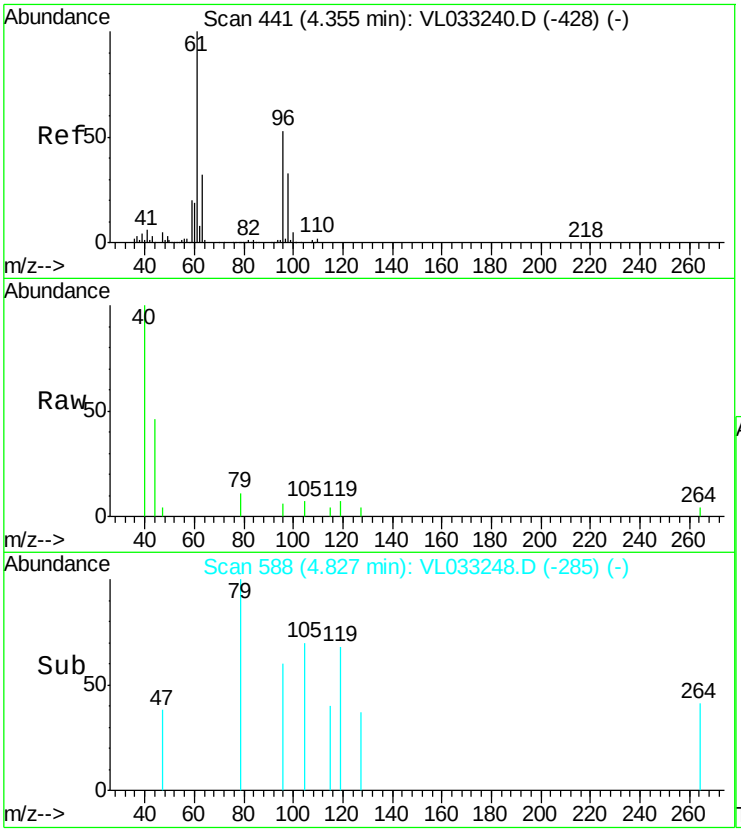


#17
tert-Butyl alcohol
Concen: 0.003 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.05 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 59 Resp: 57

Ion	Ratio	Lower	Upper
59	100		
57	152.6	7.5	11.3#

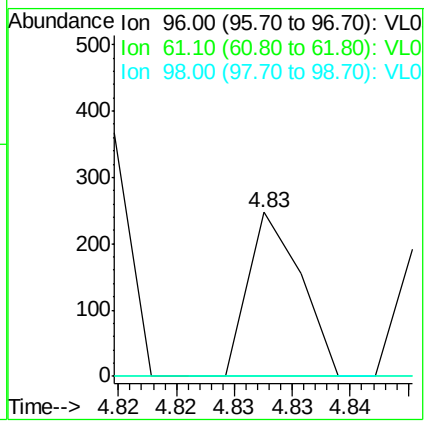


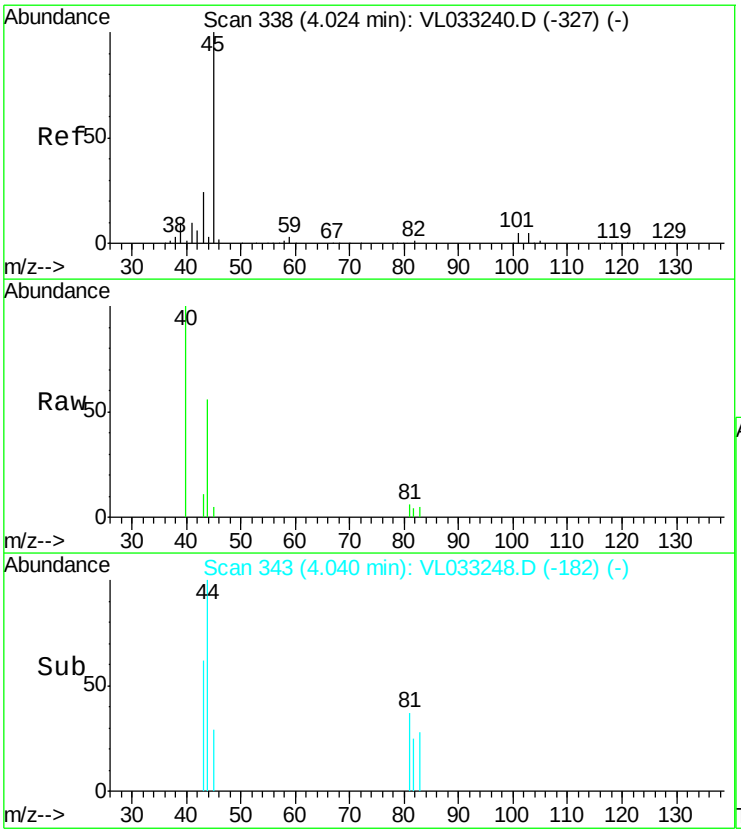


#18
1,1-Dichloroethene
Concen: 0.002 ppbv
RT: 4.83 min Scan# 588
Delta R.T. 0.47 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 96 Resp: 78

Ion	Ratio	Lower	Upper
96	100		
61	0.0	150.2	225.2#
98	0.0	49.2	73.8#

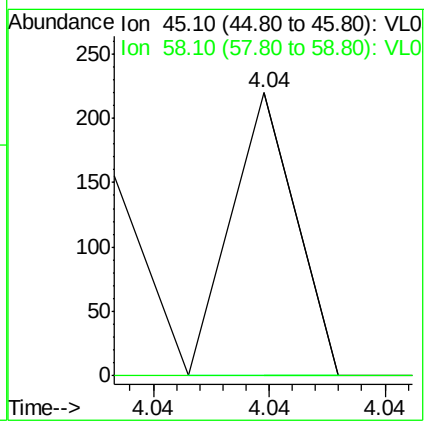


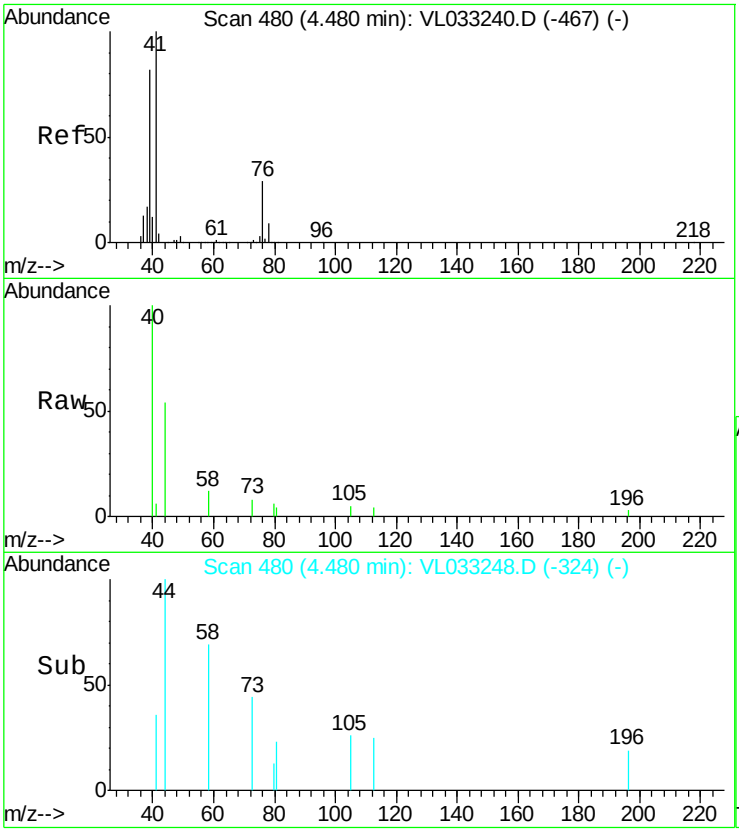


#19
Isopropyl Alcohol
Concen: 0.001 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 45 Resp: 42

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.0#

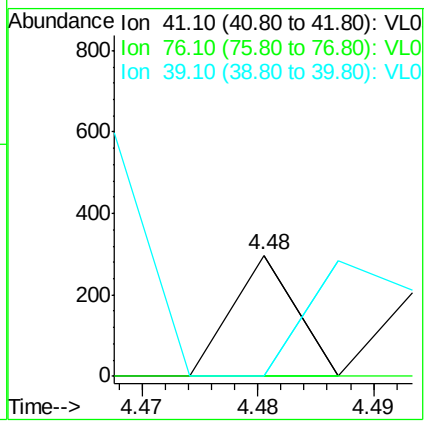


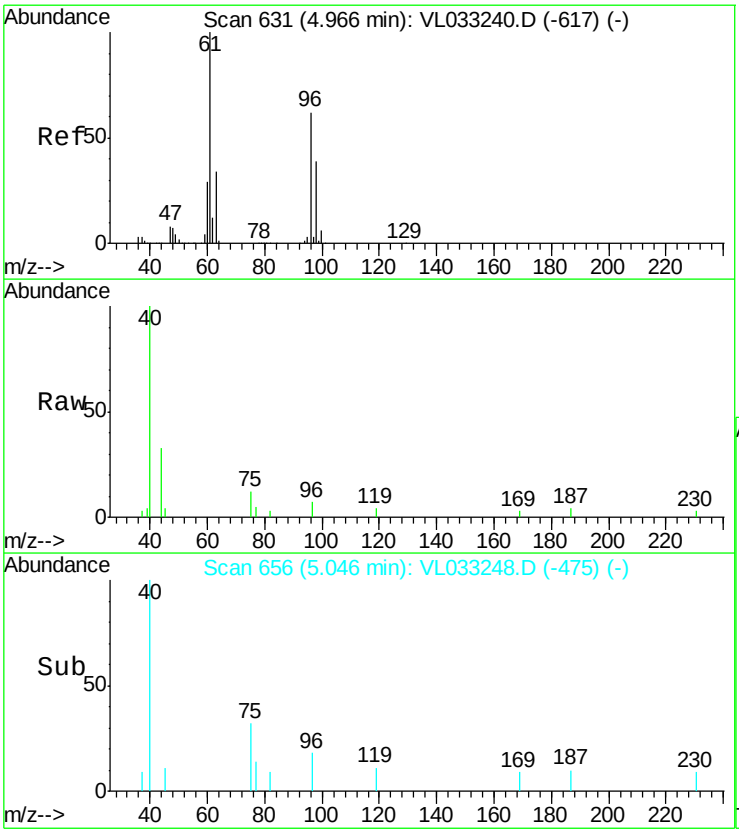


#21
Allyl Chloride
Concen: 0.001 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 41 Resp: 58

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.6	36.8#
39	179.3	65.2	97.8#

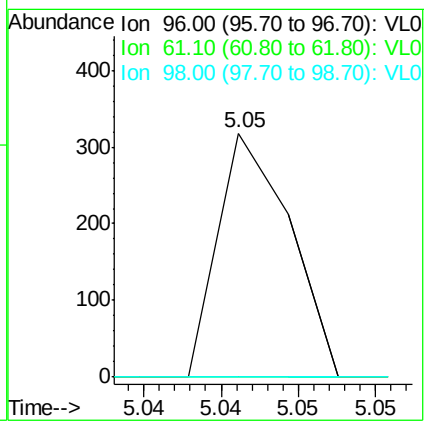


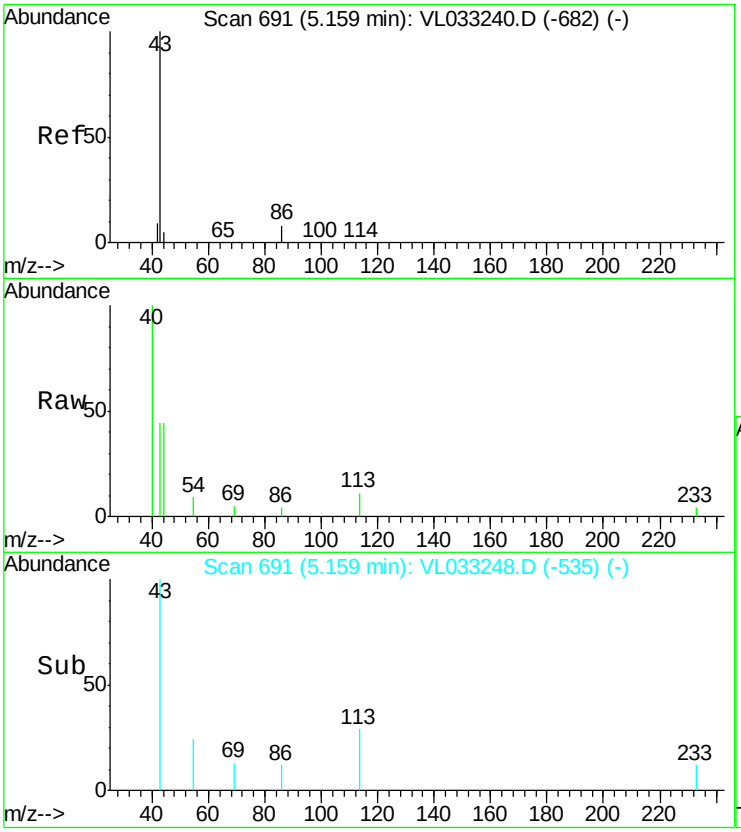


#22
trans-1,2-Dichloroethene
Concen: 0.002 ppbv
RT: 5.05 min Scan# 656
Delta R.T. 0.08 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 96 Resp: 102

Ion	Ratio	Lower	Upper
96	100		
61	0.0	128.3	192.5#
98	0.0	50.6	75.8#

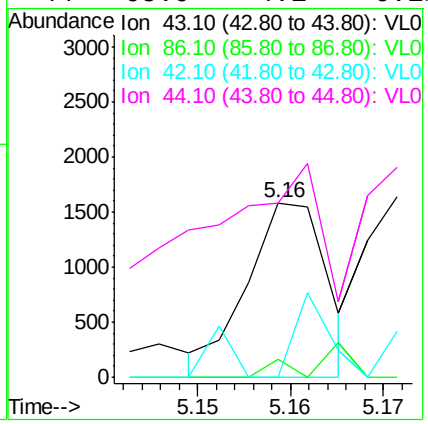


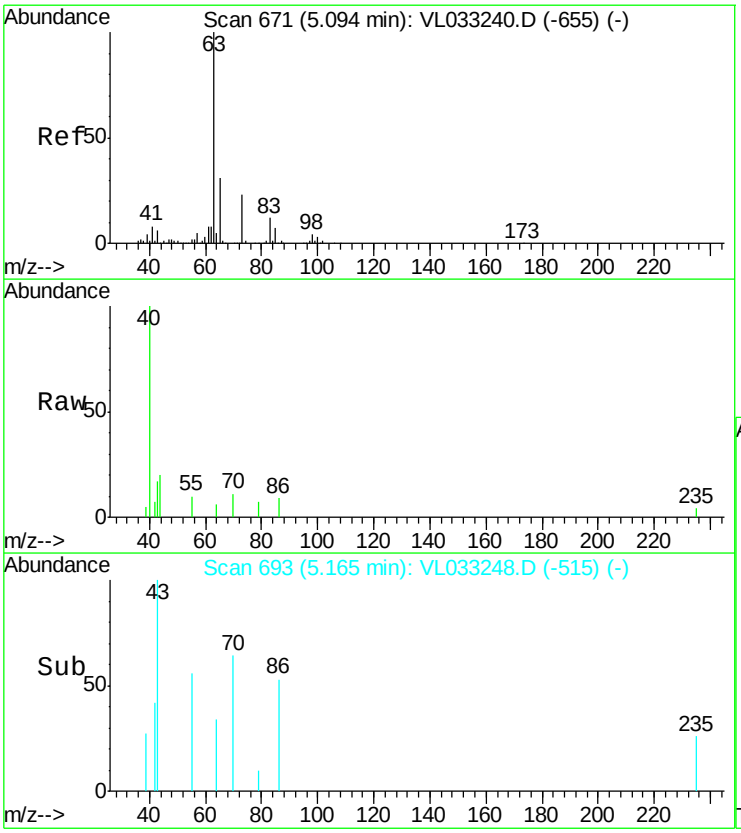


#23
Vinyl Acetate
Concen: 0.005 ppbv
RT: 5.16 min Scan# 691
Delta R.T. 0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 43 Resp: 950

Ion	Ratio	Lower	Upper
43	100		
86	11.6	5.5	8.3#
42	0.0	7.7	11.5#
44	65.9	4.1	6.1#

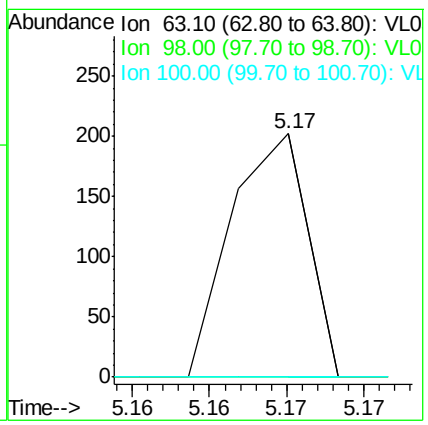


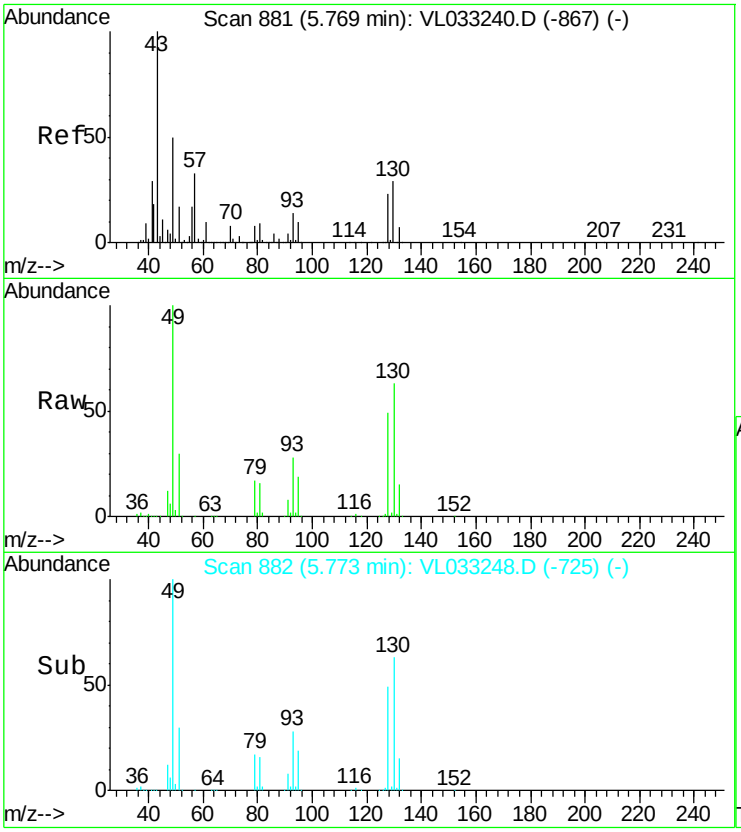


#24
1,1-Dichloroethane
Concen: 0.001 ppbv
RT: 5.17 min Scan# 693
Delta R.T. 0.07 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 63 Resp: 69

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.3#
100	0.0	1.3	3.8#

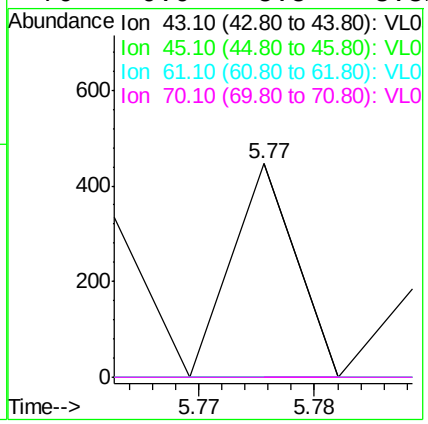


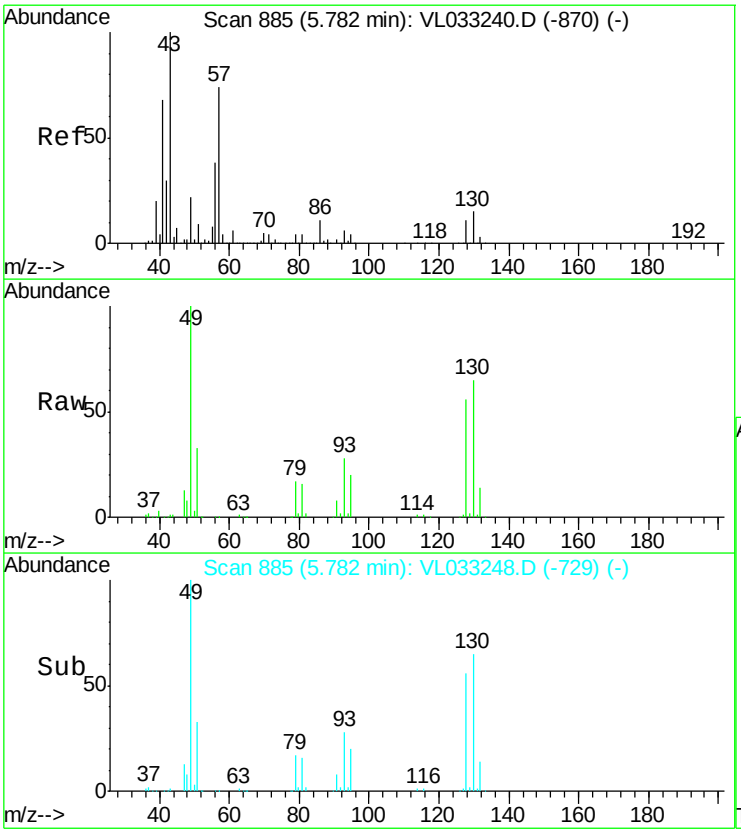


#25
Ethyl Acetate
Concen: 0.000 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 43 Resp: 86

Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.6#
61	0.0	7.0	10.6#
70	0.0	5.5	8.3#

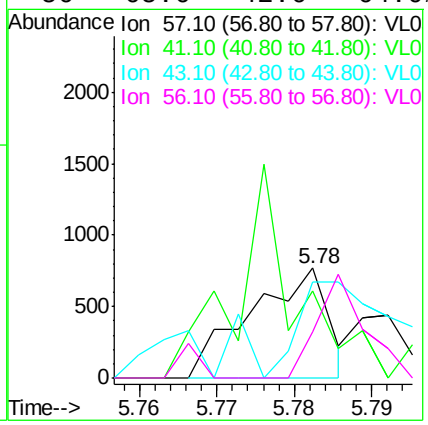


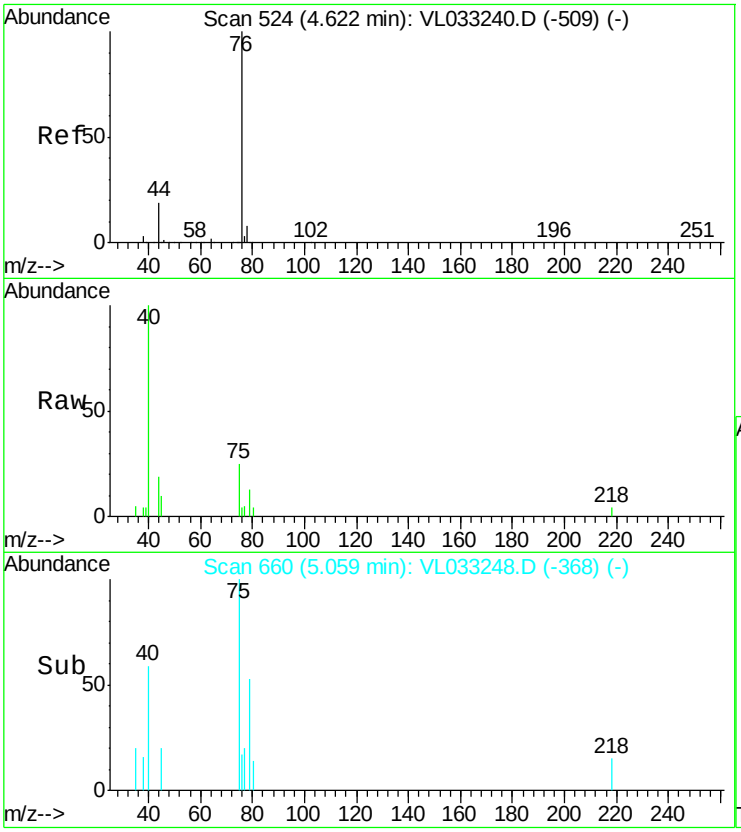


#26
Hexane
Concen: 0.005 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 57 Resp: 540

Ion	Ratio	Lower	Upper
57	100		
41	172.0	73.4	110.2#
43	174.1	182.1	273.1#
56	65.6	42.6	64.0#

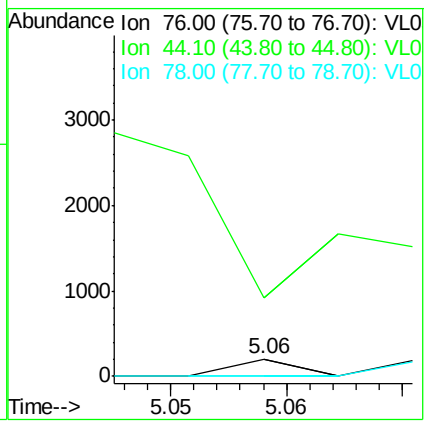


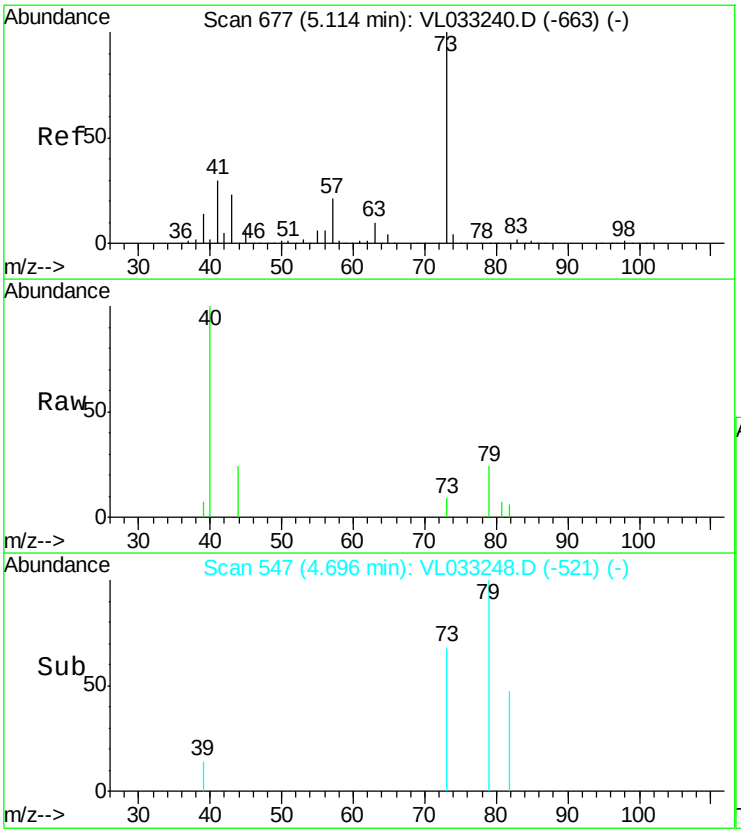


#27
Carbon Disulfide
Concen: 0.000 ppbv
RT: 5.06 min Scan# 660
Delta R.T. 0.44 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 76 Resp: 39

Ion	Ratio	Lower	Upper
76	100		
44	4923.1	15.0	22.6#
78	194.9	7.3	10.9#

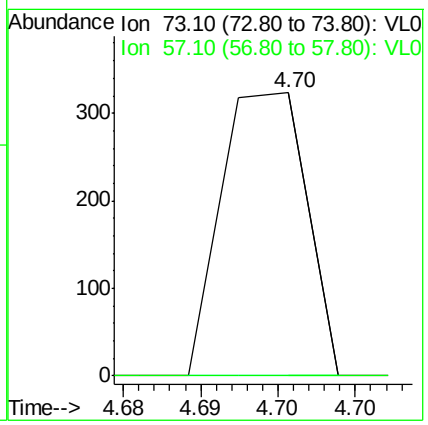


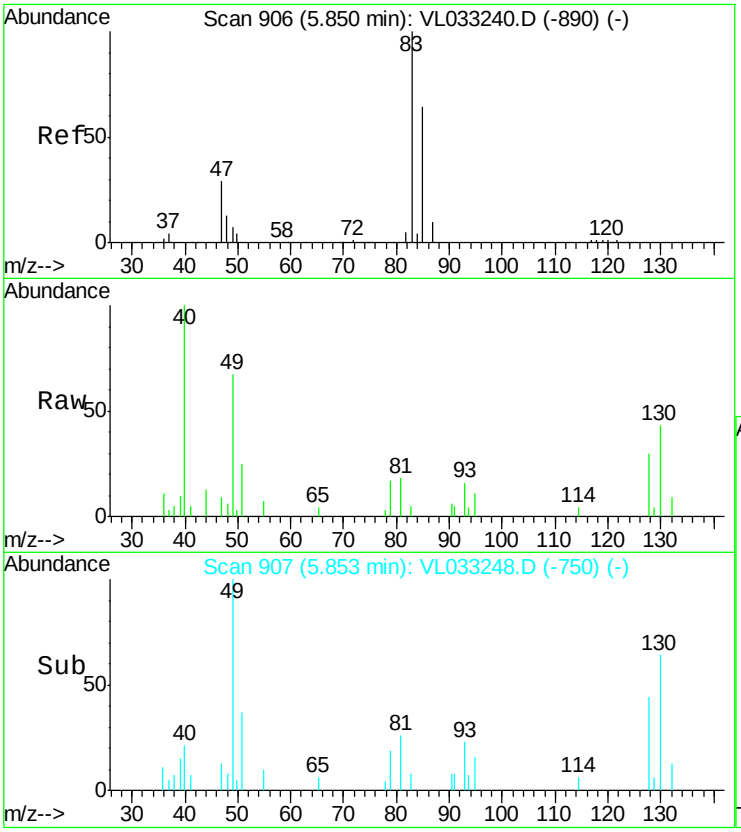


#28
Methyl tert-Butyl Ether
Concen: 0.001 ppbv
RT: 4.70 min Scan# 547
Delta R.T. -0.42 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 73 Resp: 124

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.6	26.4#

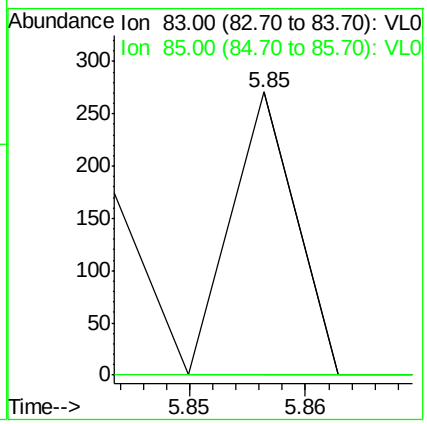


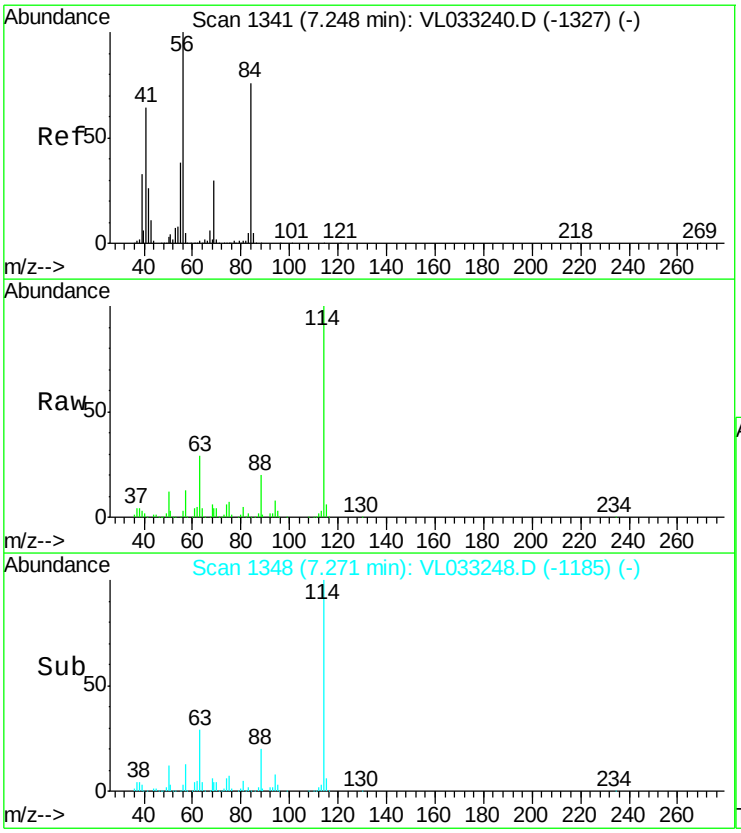


#29
Chloroform
Concen: 0.000 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 83 Resp: 52

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.2	76.8#

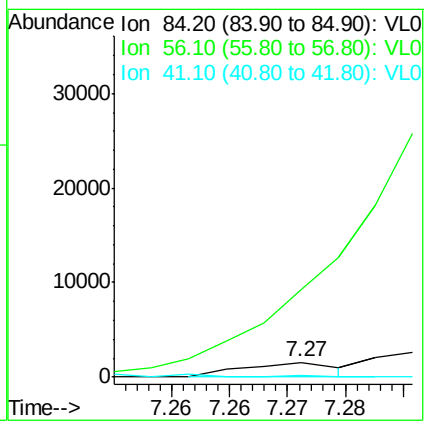


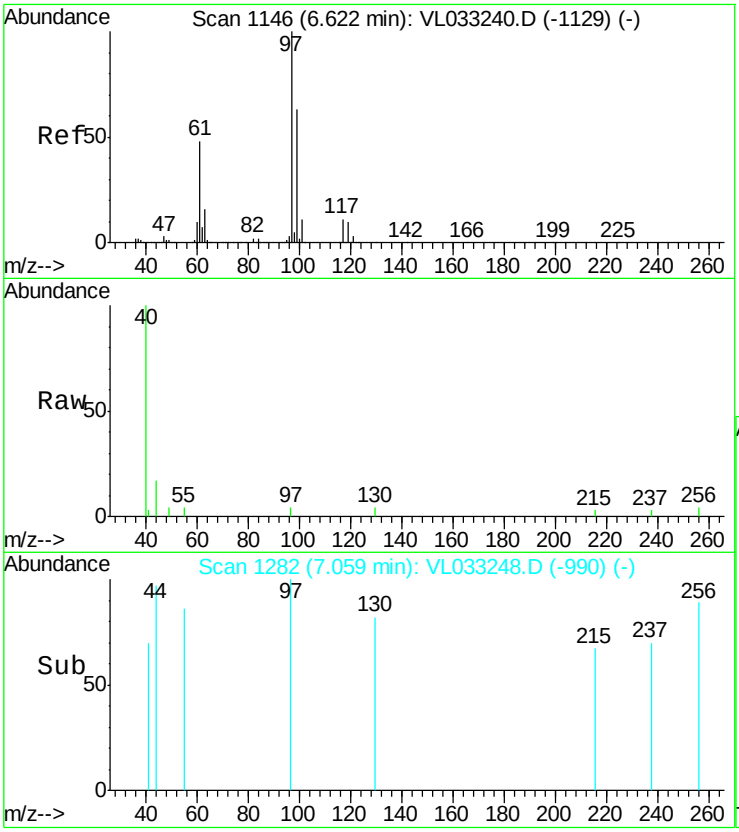


#30
Cyclohexane
Concen: 0.011 ppbv
RT: 7.27 min Scan# 1348
Delta R.T. 0.02 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 84 Resp: 873

Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.1	169.7#
41	7.3	70.8	106.2#

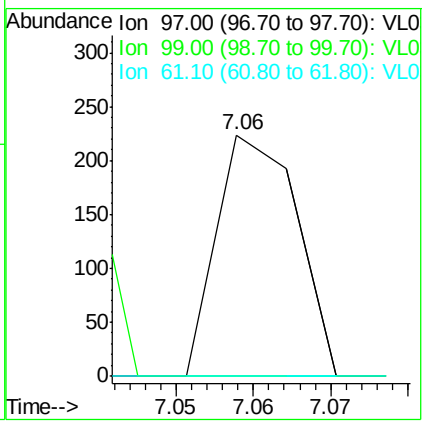


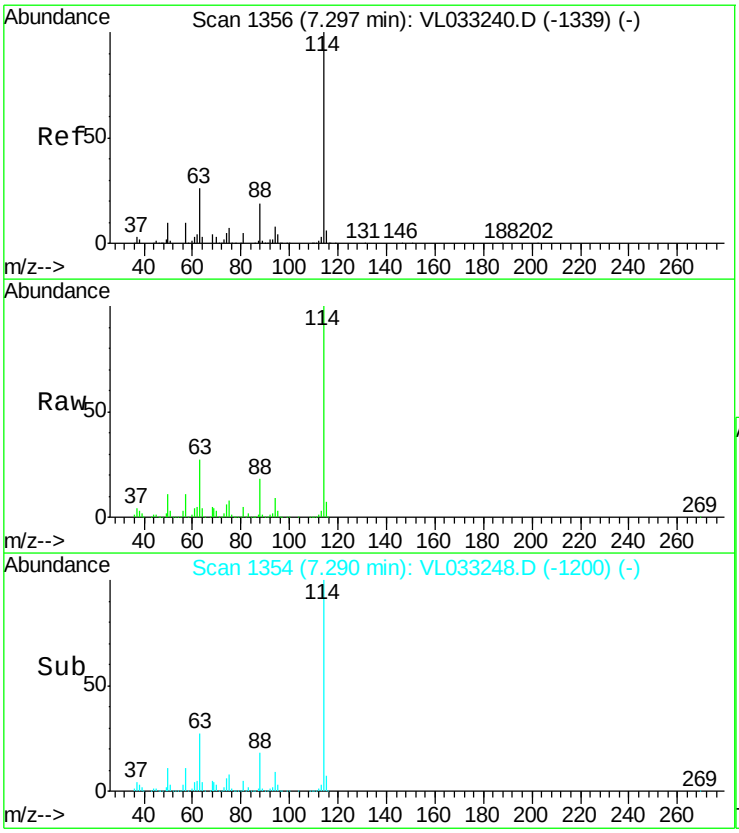


#32
1,1,1-Trichloroethane
Concen: 0.000 ppbv
RT: 7.06 min Scan# 1282
Delta R.T. 0.44 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 97 Resp: 80

Ion	Ratio	Lower	Upper
97	100		
99	45.0	51.4	77.0#
61	0.0	40.1	60.1#

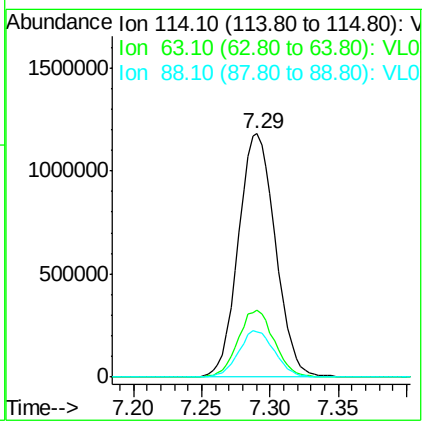


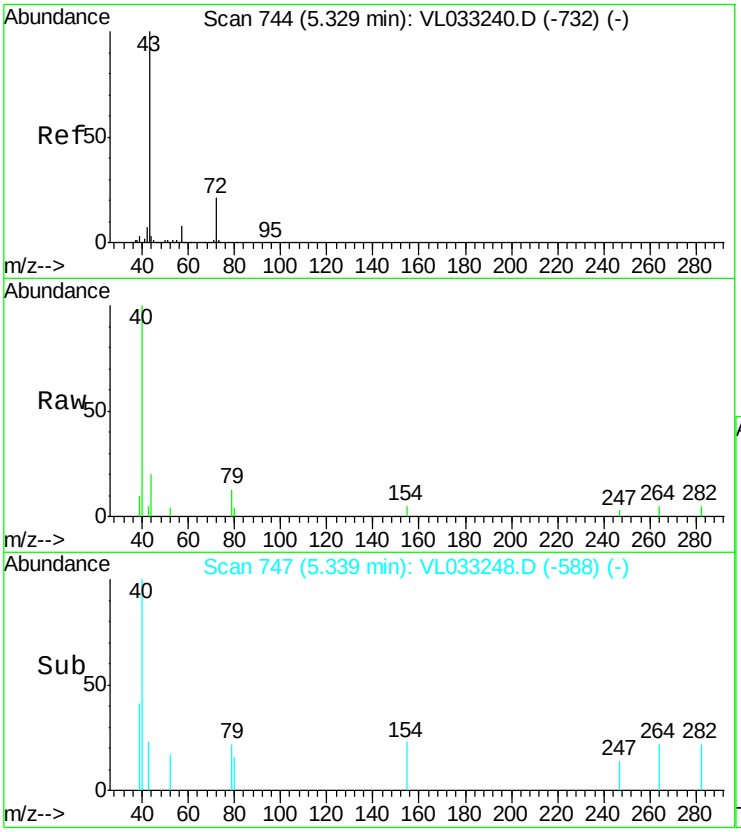


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:114 Resp: 2226237

Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.0	33.0
88	18.5	15.0	22.4

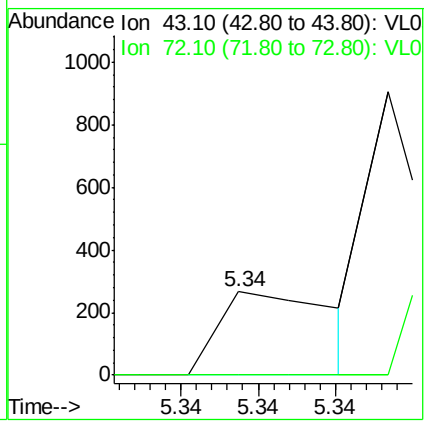


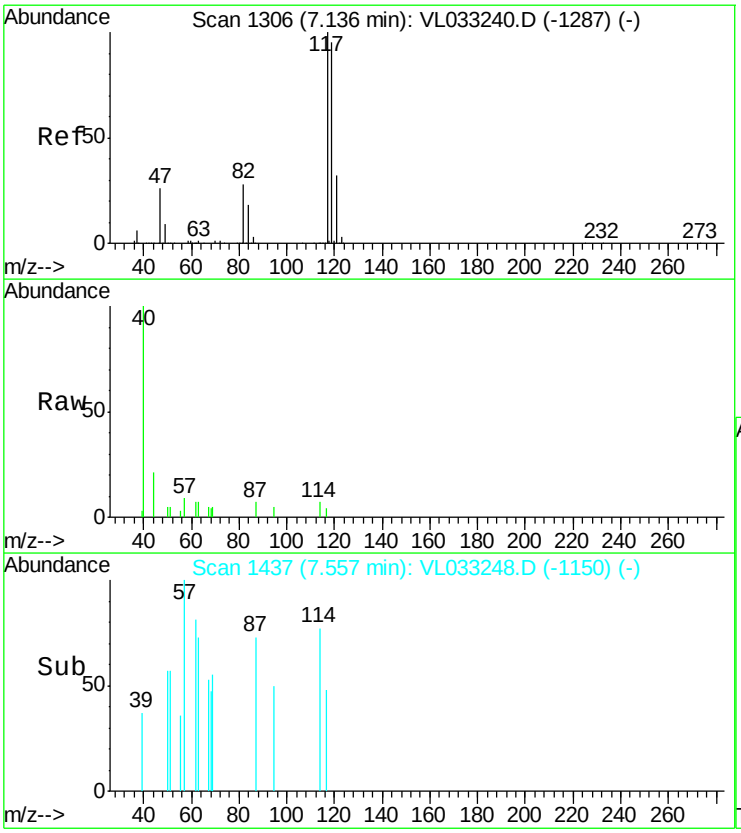


#34
2-Butanone
Concen: 0.001 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 43 Resp: 139

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.1	25.7#

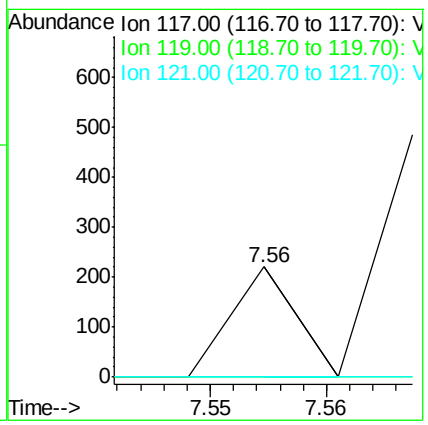


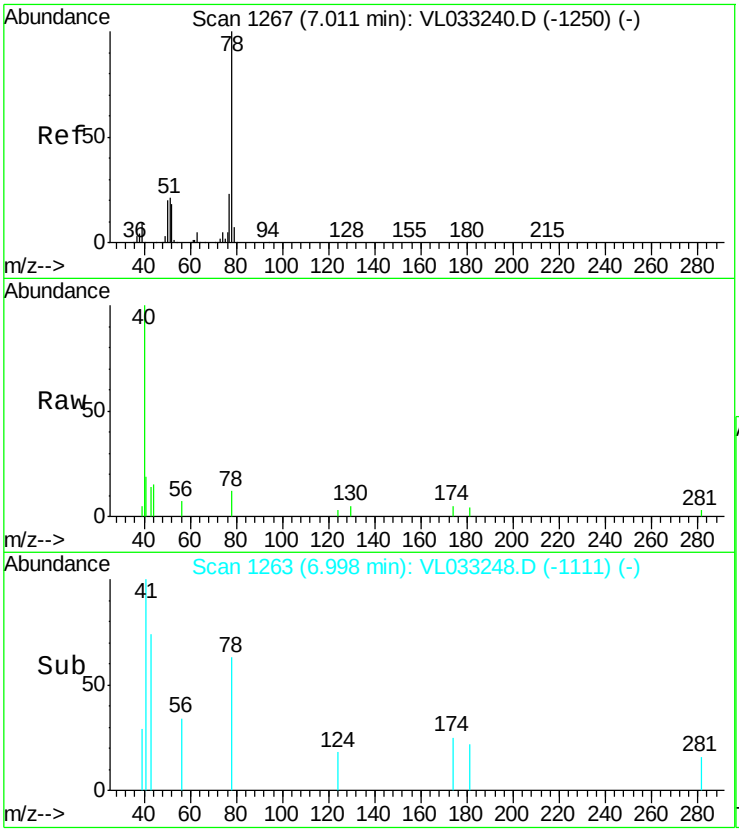


#35
Carbon Tetrachloride
Concen: 0.000 ppbv
RT: 7.56 min Scan# 1437
Delta R.T. 0.42 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:117 Resp: 42

Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
121	0.0	25.6	38.4#

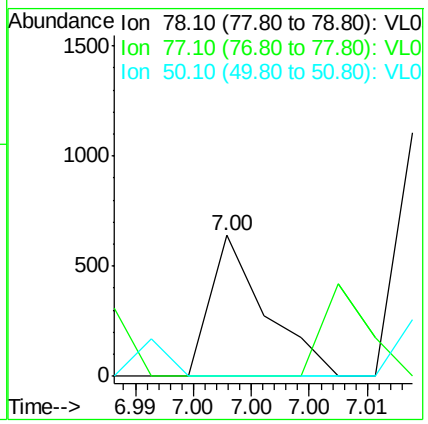


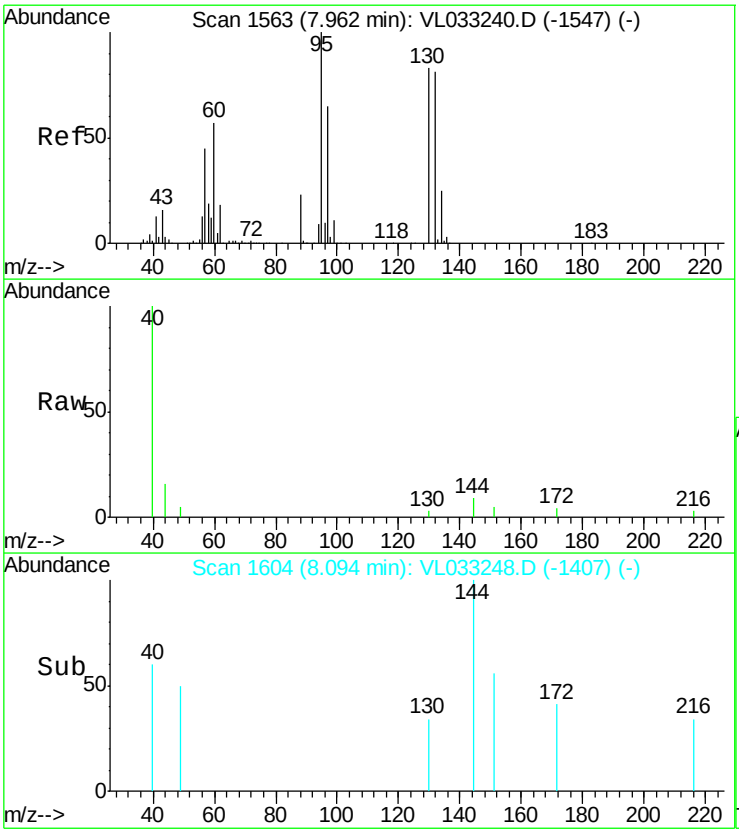


#36
Benzene
Concen: 0.001 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 78 Resp: 210

Ion	Ratio	Lower	Upper
78	100		
77	0.0	18.0	27.0#
50	0.0	16.2	24.4#

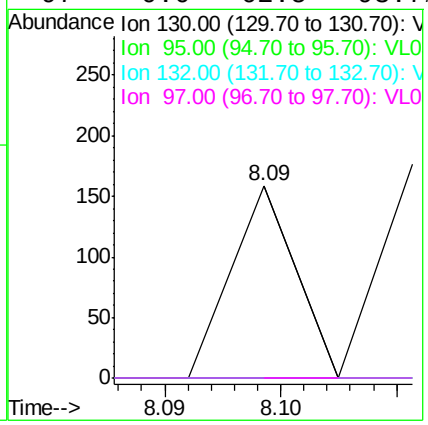


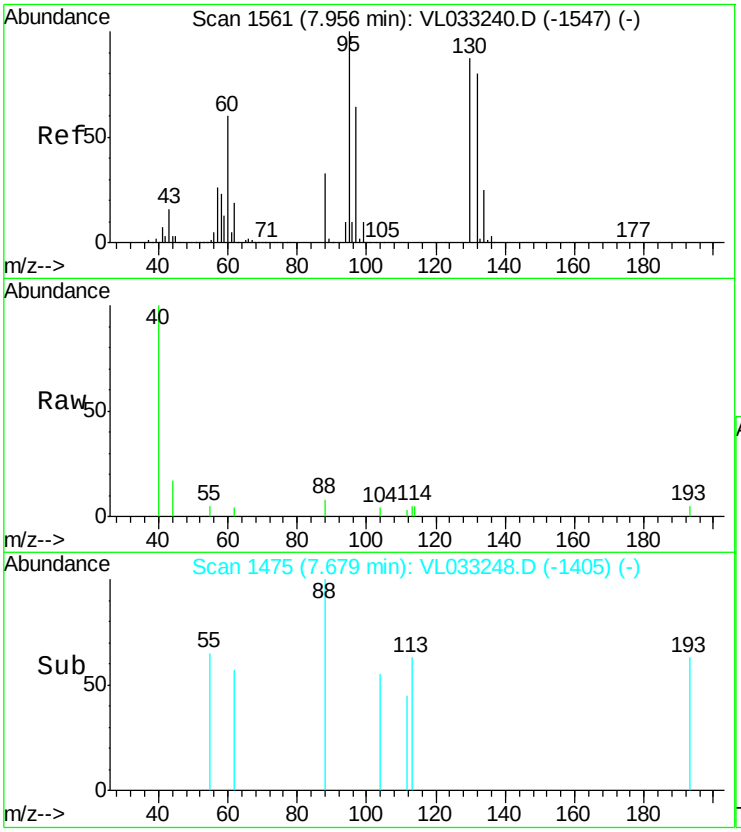


#38
Trichloroethene
Concen: 0.000 ppbv
RT: 8.09 min Scan# 1604
Delta R.T. 0.13 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:130 Resp: 31

Ion	Ratio	Lower	Upper
130	100		
95	0.0	95.7	143.5#
132	0.0	77.4	116.2#
97	0.0	62.5	93.7#

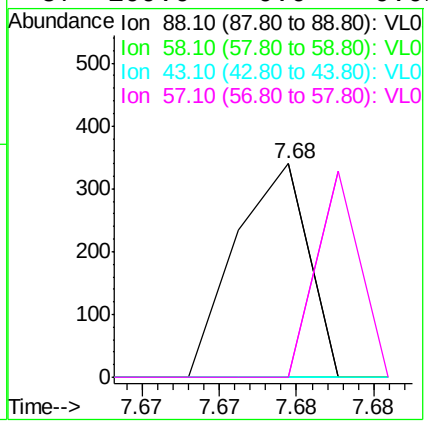


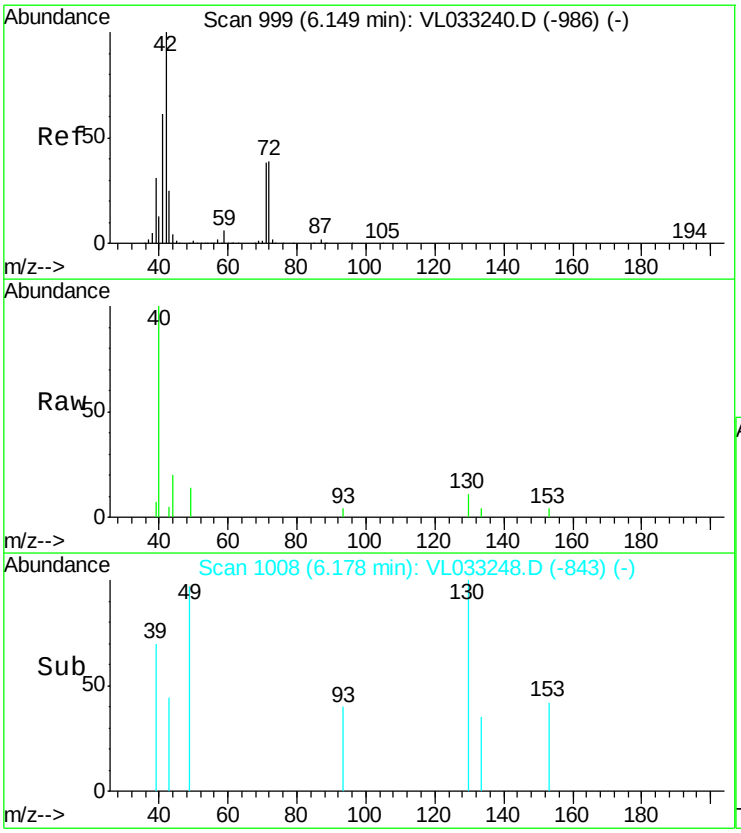


#40
1,4-Dioxane
Concen: 0.004 ppbv
RT: 7.68 min Scan# 1475
Delta R.T. -0.28 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 88 Resp: 111

Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.1	157.7#
43	190.1	0.0	0.0#
57	109.0	0.0	0.0#

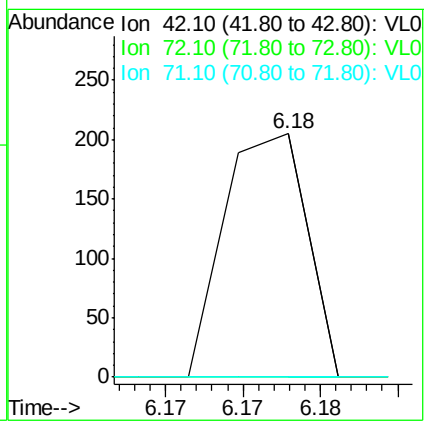


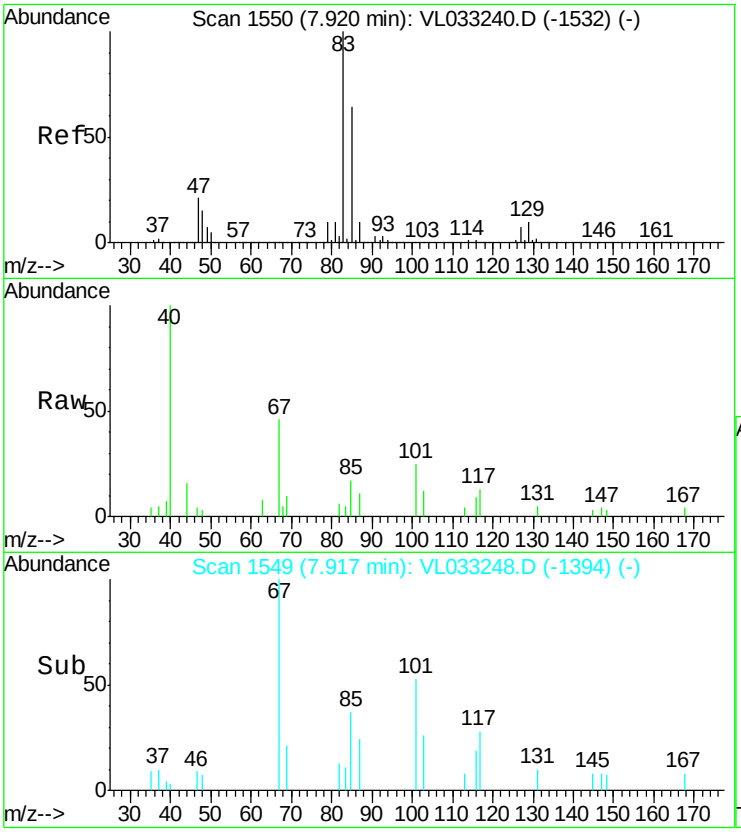


#41
Tetrahydrofuran
Concen: 0.001 ppbv
RT: 6.18 min Scan# 1008
Delta R.T. 0.03 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 42 Resp: 76

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.4#
71	0.0	29.6	44.4#

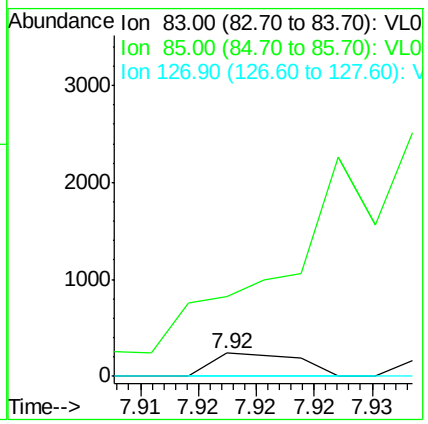


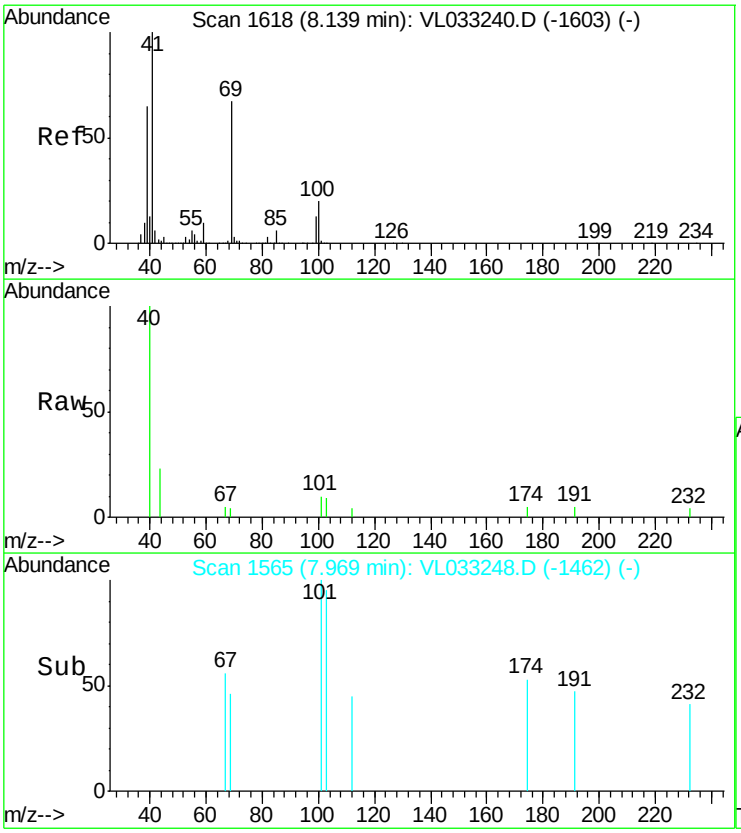


#42
Bromodichloromethane
Concen: 0.001 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 83 Resp: 124

Ion	Ratio	Lower	Upper
83	100		
85	27.0	51.5	77.3#
127	0.0	5.9	8.9#

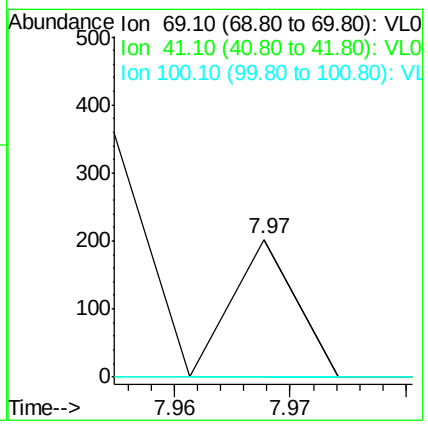


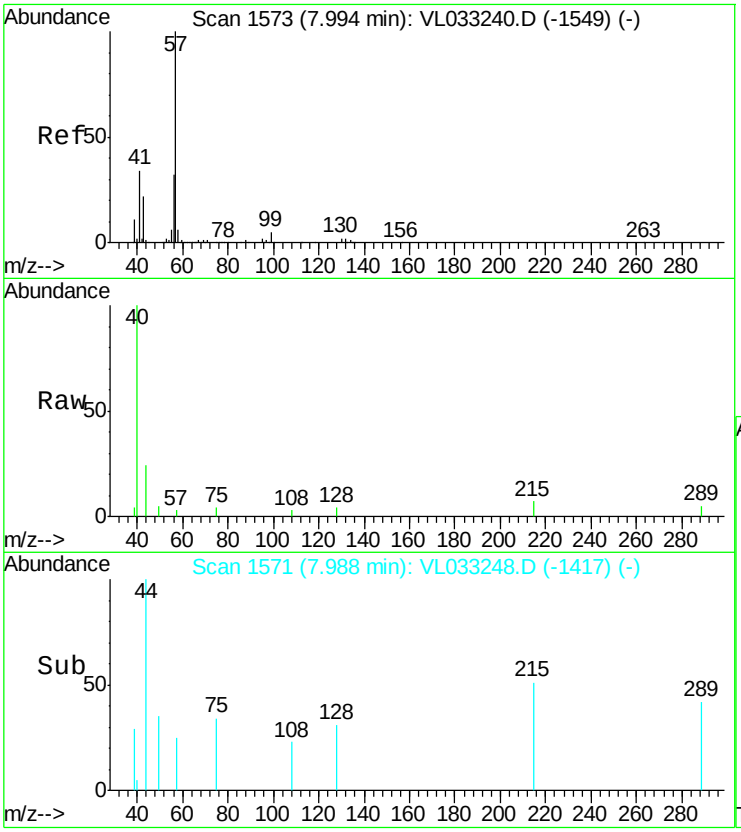


#43
Methyl Methacrylate
Concen: 0.000 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. -0.17 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 69 Resp: 39

Ion	Ratio	Lower	Upper
69	100		
41	82.1	120.9	181.3#
100	0.0	24.4	36.6#

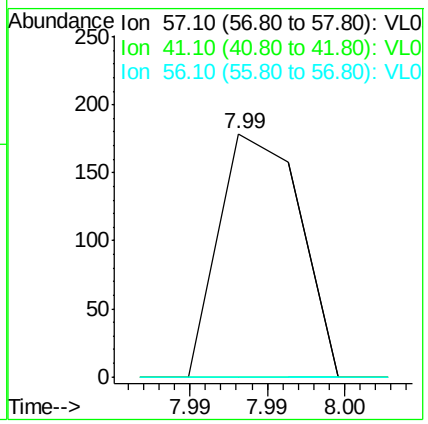


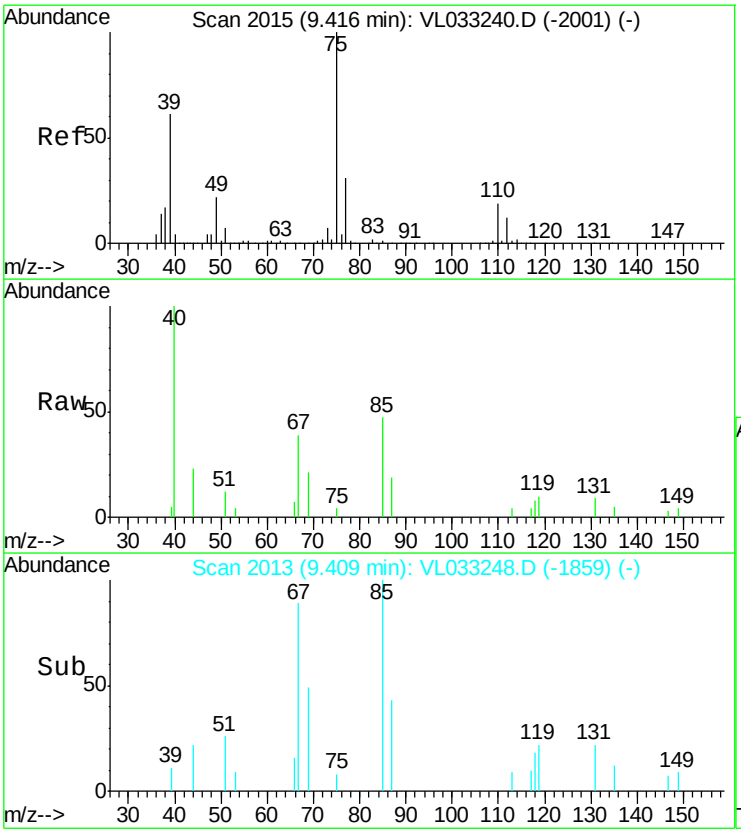


#44
2,2,4-Trimethylpentane
Concen: 0.000 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 57 Resp: 65

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.1	39.1#
56	0.0	24.7	37.1#

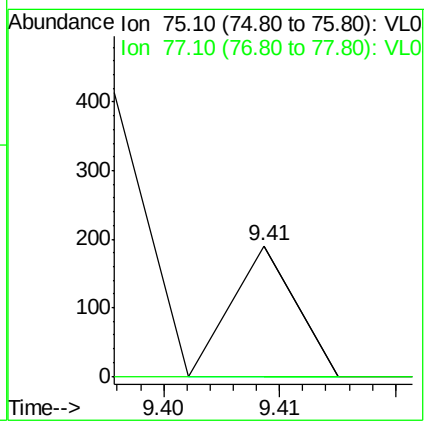


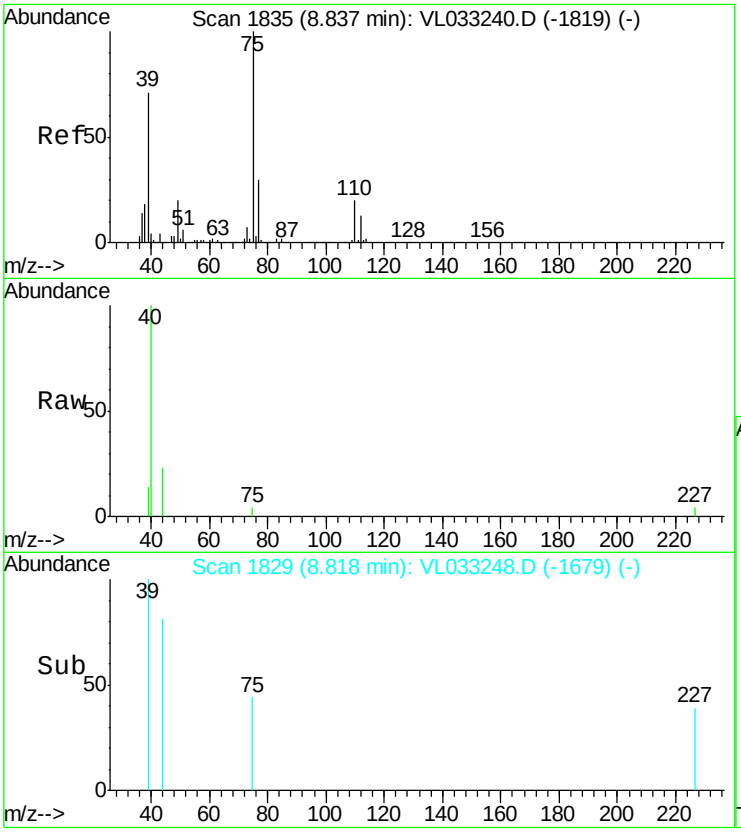


#45
t-1,3-Dichloropropene
Concen: 0.000 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 75 Resp: 37

Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.7	37.1#

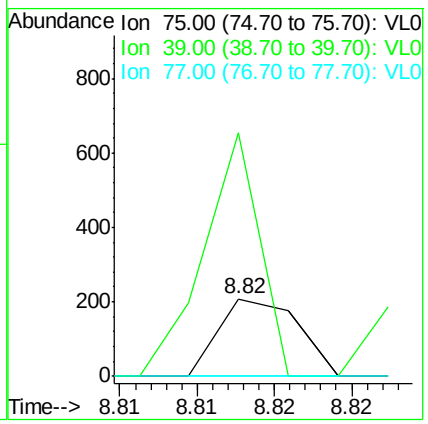


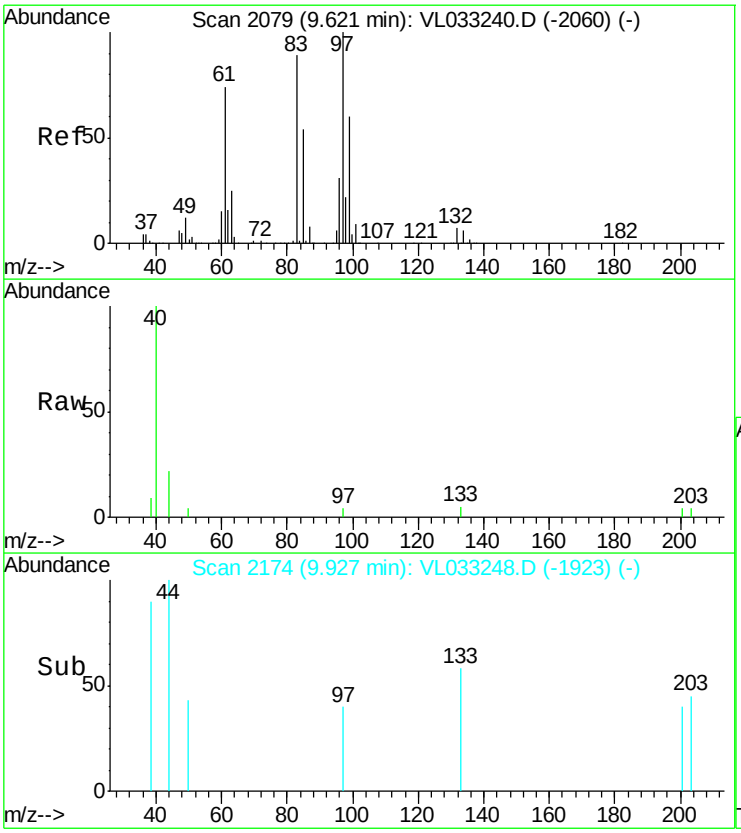


#46
cis-1,3-Dichloropropene
Concen: 0.001 ppbv
RT: 8.82 min Scan# 1829
Delta R.T. -0.02 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 75 Resp: 74

Ion	Ratio	Lower	Upper
75	100		
39	314.4	57.0	85.6#
77	0.0	24.0	36.0#

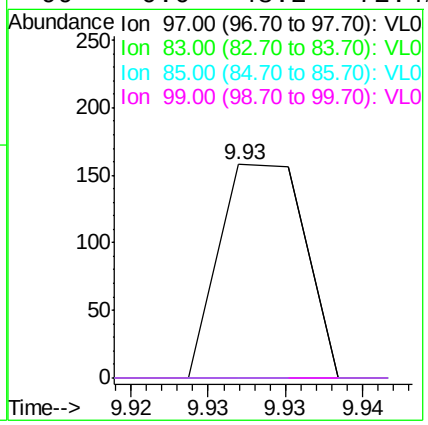


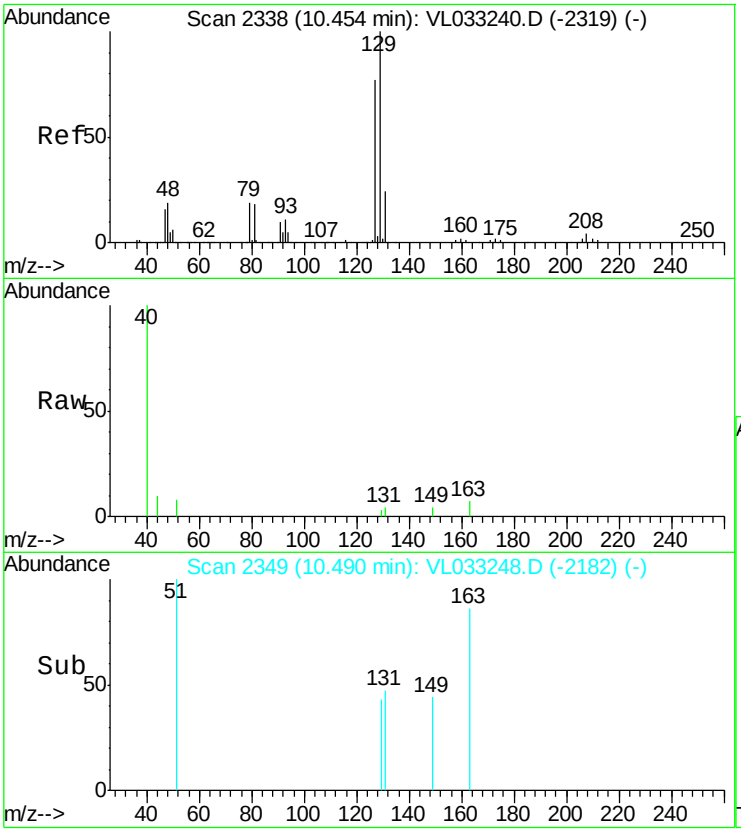


#47
1,1,2-Trichloroethane
Concen: 0.001 ppbv
RT: 9.93 min Scan# 2174
Delta R.T. 0.31 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 97 Resp: 61

Ion	Ratio	Lower	Upper
97	100		
83	0.0	71.1	106.7#
85	0.0	42.9	64.3#
99	0.0	48.2	72.4#

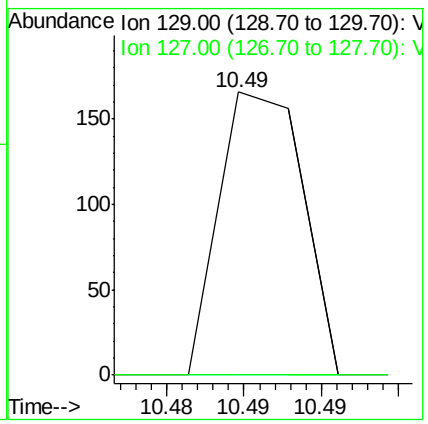


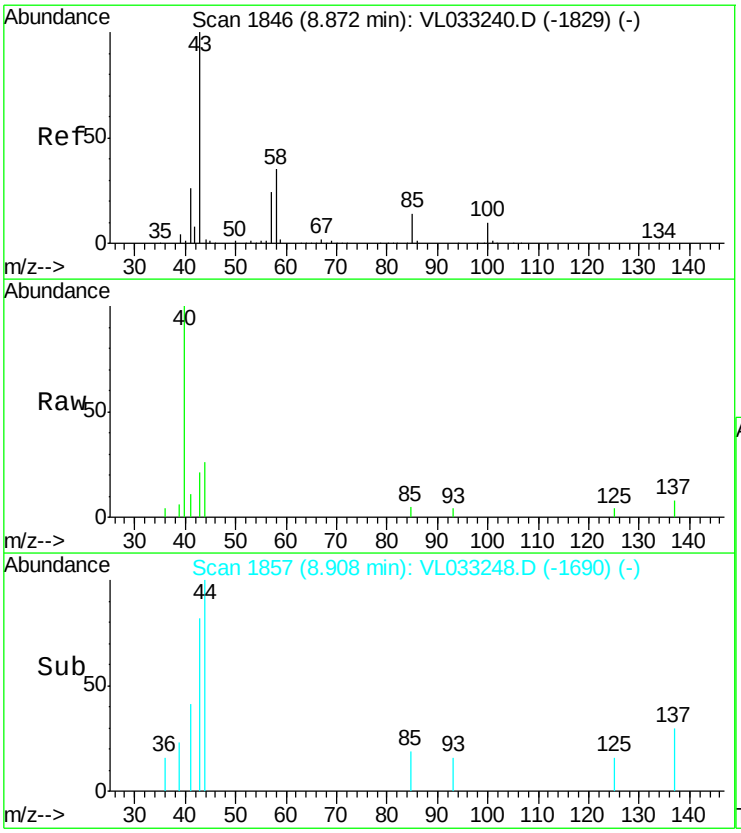


#48
Dibromochloromethane
Concen: 0.000 ppbv
RT: 10.49 min Scan# 2349
Delta R.T. 0.04 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:129 Resp: 62

Ion	Ratio	Lower	Upper
129	100		
127	140.3	39.0	117.0#

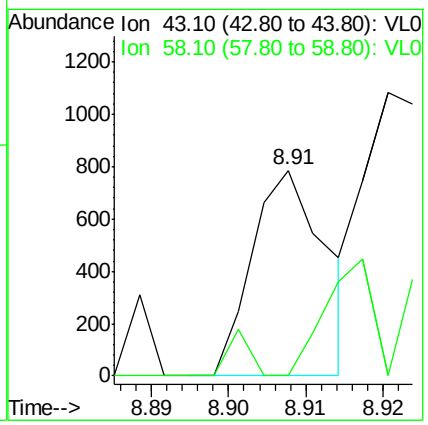


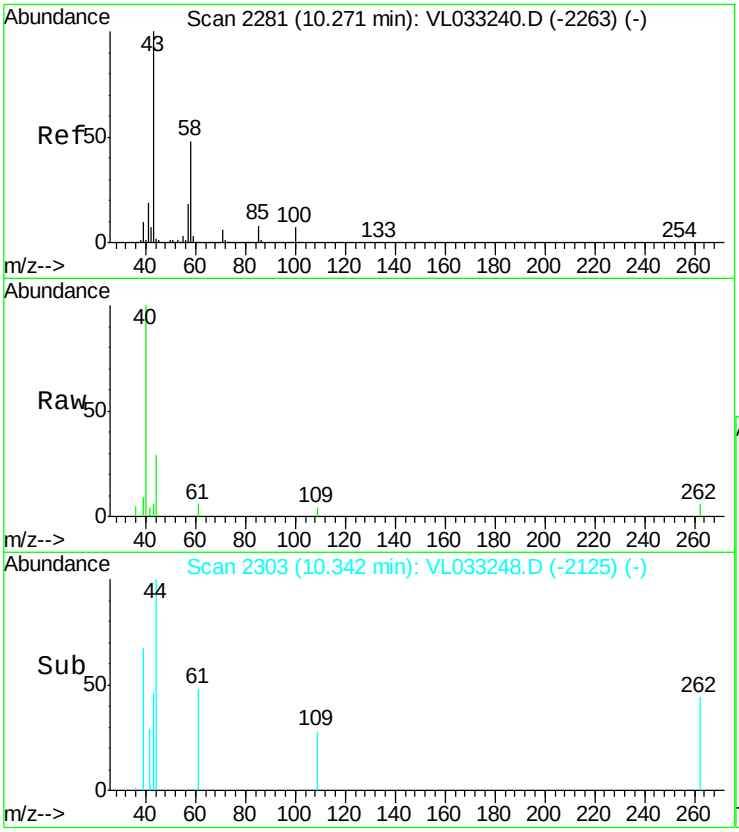


#50
4-Methyl-2-Pentanone
Concen: 0.002 ppbv
RT: 8.91 min Scan# 1857
Delta R.T. 0.04 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 43 Resp: 519

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.6#

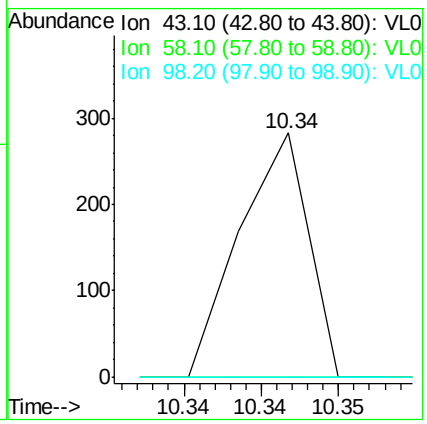


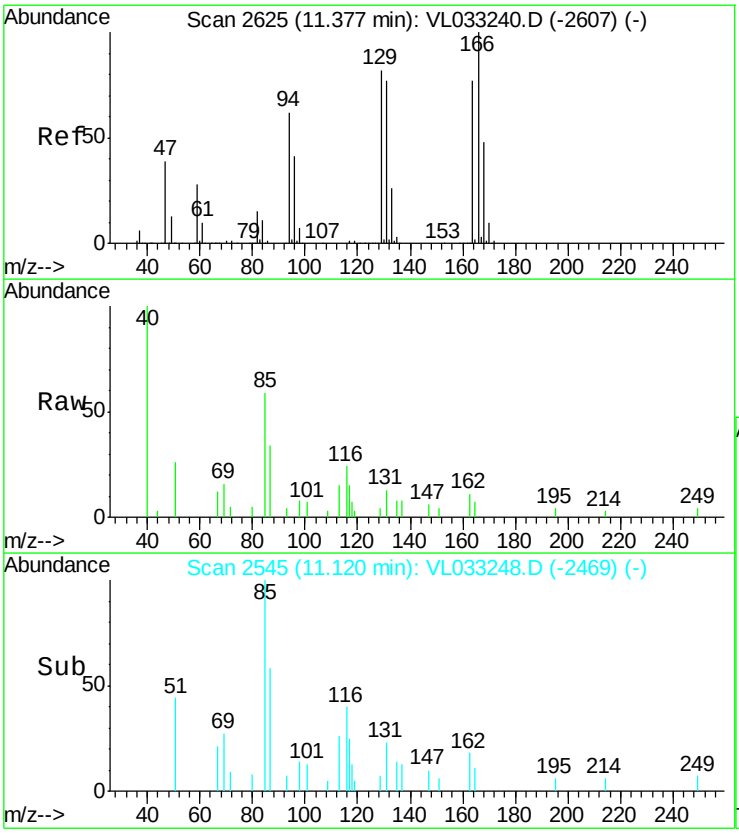


#51
2-Hexanone
Concen: 0.001 ppbv
RT: 10.34 min Scan# 2303
Delta R.T. 0.07 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 43 Resp: 87

Ion	Ratio	Lower	Upper
43	100		
58	33.3	38.2	57.2#
98	56.3	0.2	0.4#

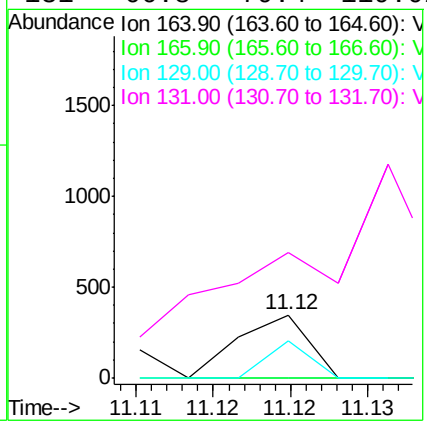


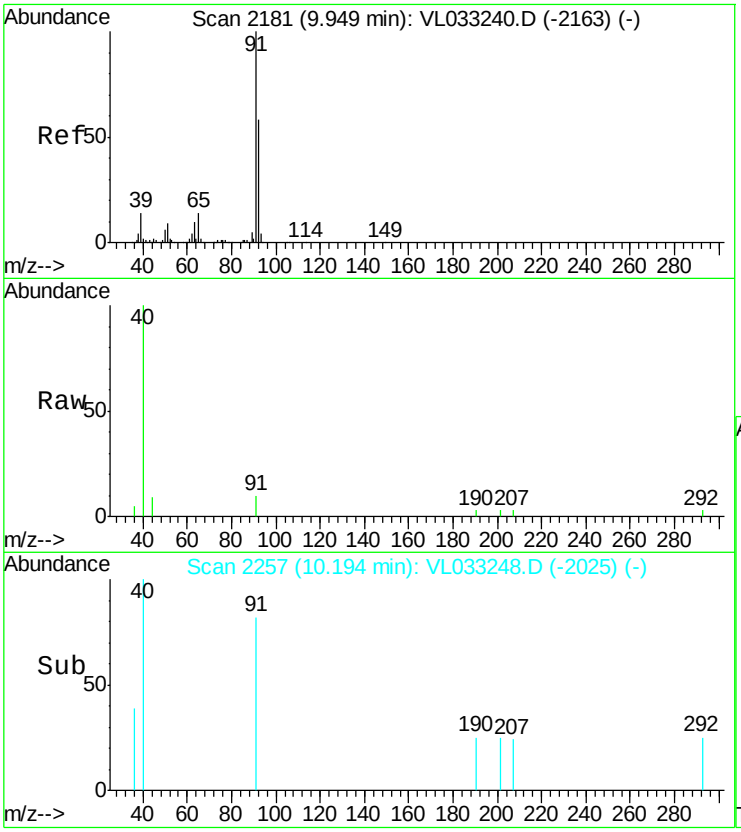


#52
Tetrachloroethene
Concen: 0.001 ppbv
RT: 11.12 min Scan# 2545
Delta R.T. -0.26 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:164 Resp: 110

Ion	Ratio	Lower	Upper
164	100		
166	0.0	103.3	154.9#
129	58.7	84.4	126.6#
131	66.8	79.4	119.0#

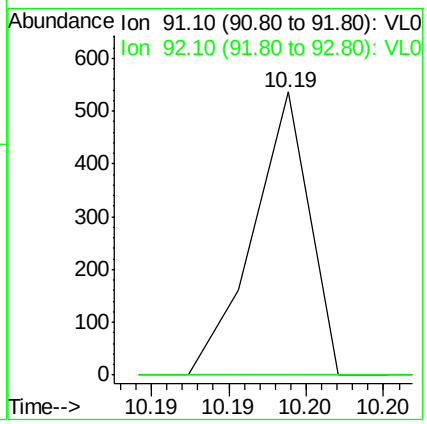


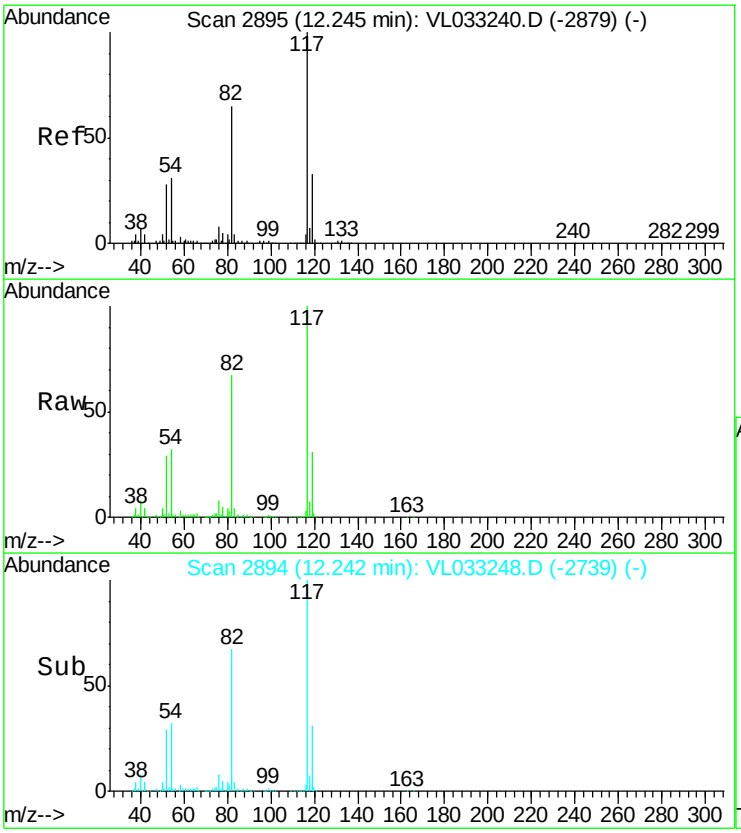


#53
Toluene
Concen: 0.001 ppbv
RT: 10.19 min Scan# 2257
Delta R.T. 0.24 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 91 Resp: 134

Ion	Ratio	Lower	Upper
91	100		
92	42.5	47.4	71.2#

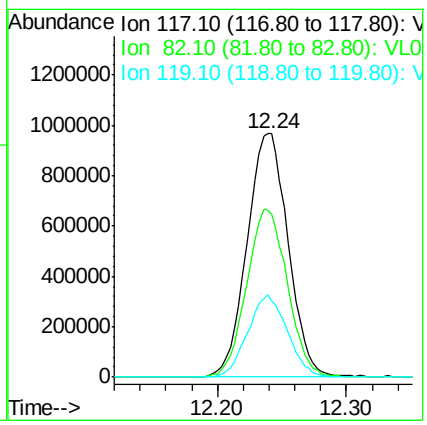


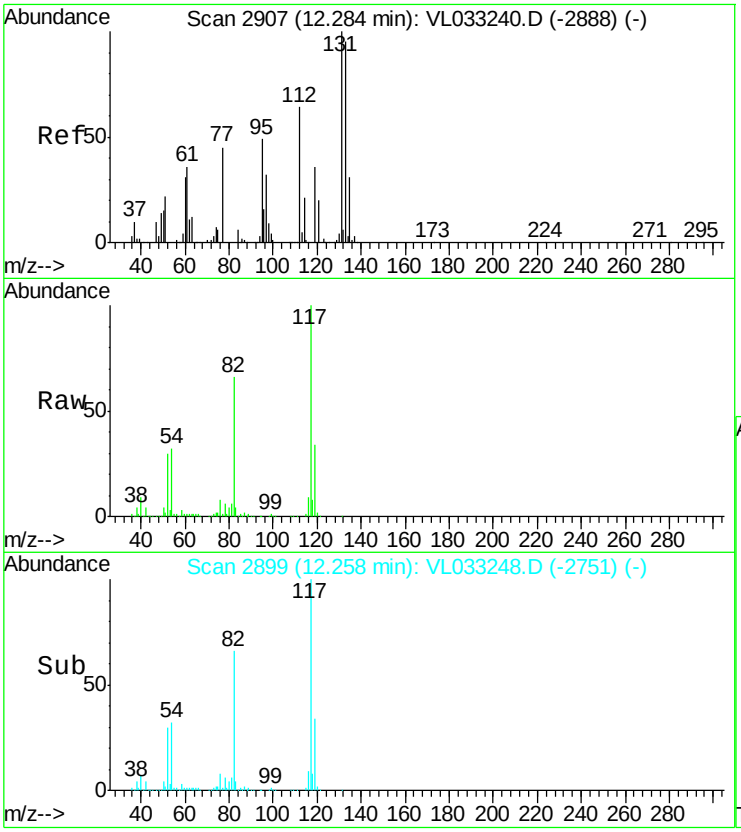


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:117 Resp: 2145079

Ion	Ratio	Lower	Upper
117	100		
82	68.6	51.8	77.8
119	32.7	43.6	65.4#

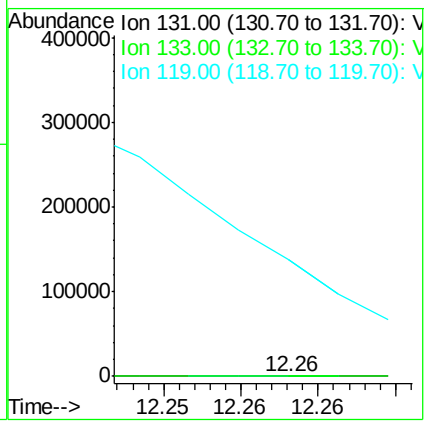


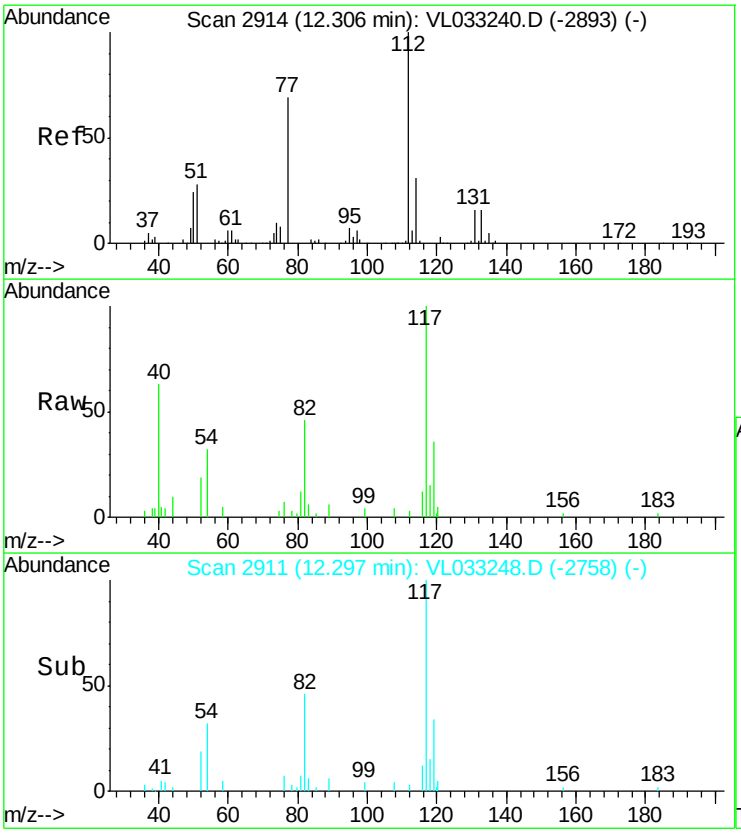


#56
1,1,1,2-Tetrachloroethane
Concen: 0.001 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. -0.03 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:131 Resp: 90

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.2	114.2#
119	781142.2	108.9	163.3#

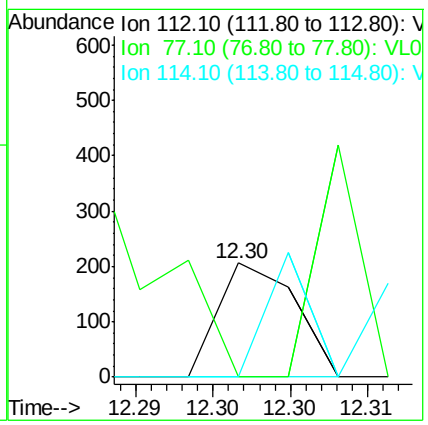


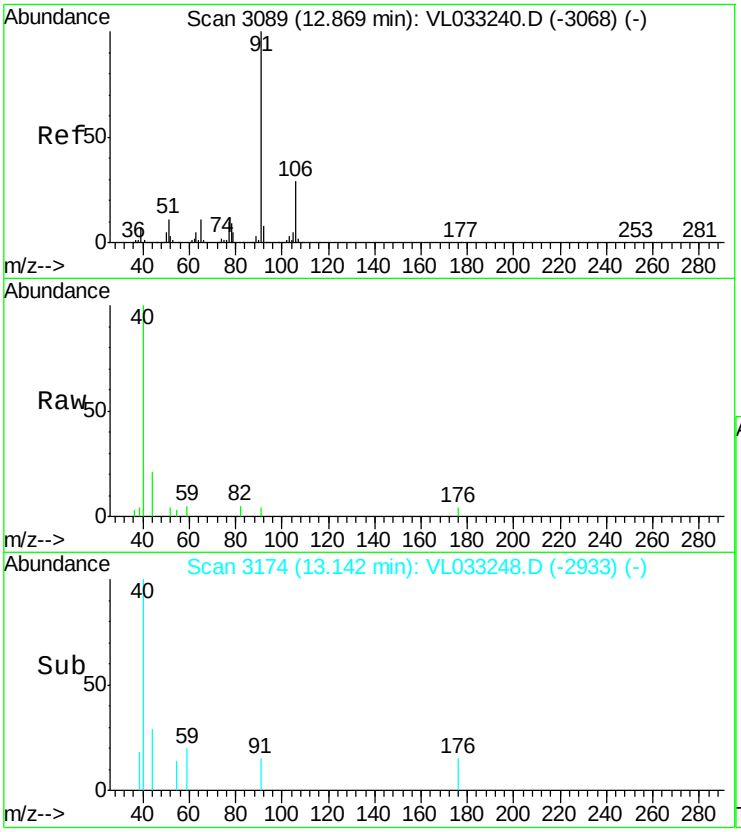


#57
Chlorobenzene
Concen: 0.000 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:112 Resp: 71

Ion	Ratio	Lower	Upper
112	100		
77	0.0	56.5	84.7#
114	0.0	28.4	34.7#

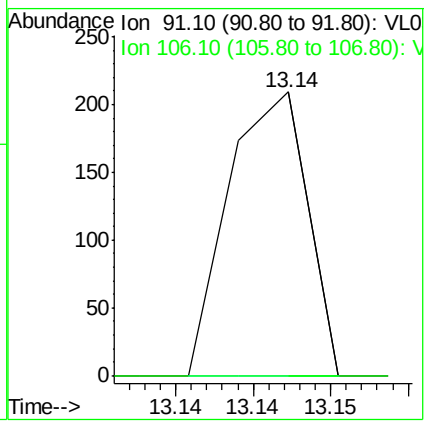


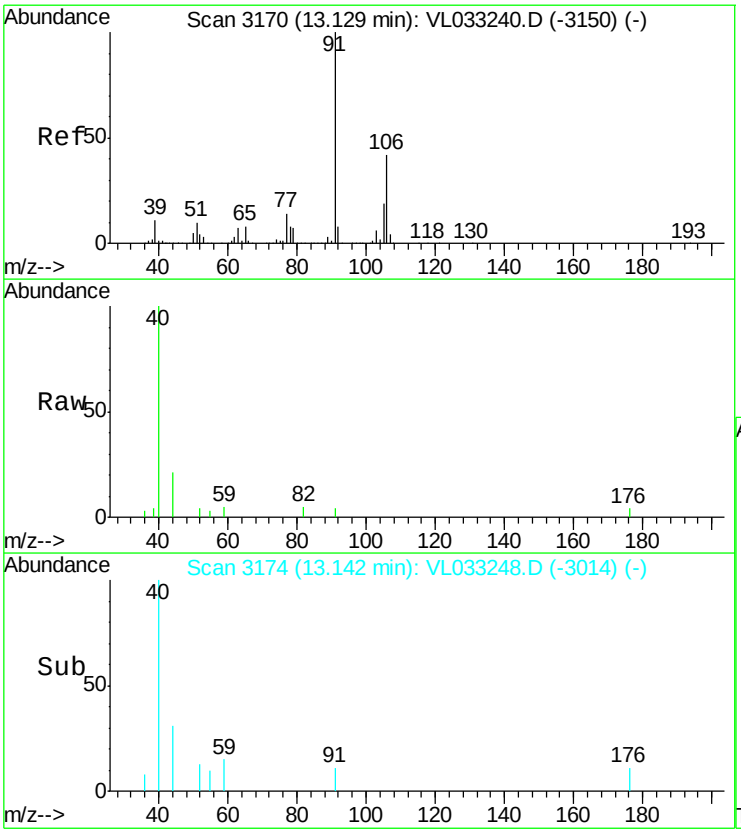


#58
Ethyl Benzene
Concen: 0.000 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. 0.27 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 91 Resp: 74

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

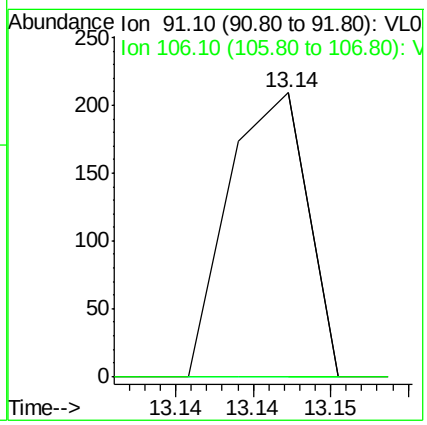


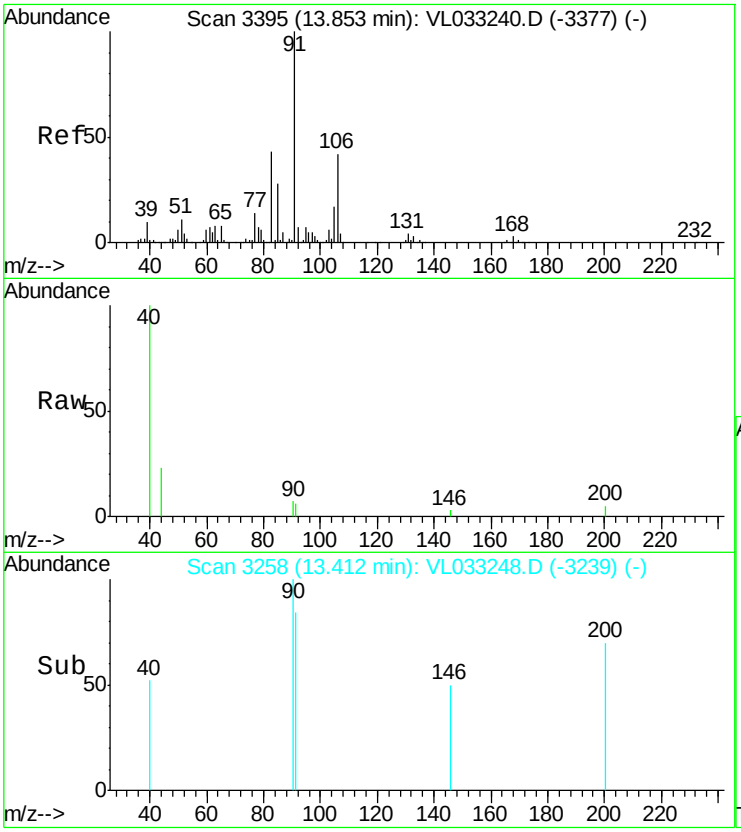


#59
m/p-Xylene
Concen: 0.000 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. 0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 91 Resp: 74

Ion	Ratio	Lower	Upper
91	100		
106	64.9	35.6	53.4#

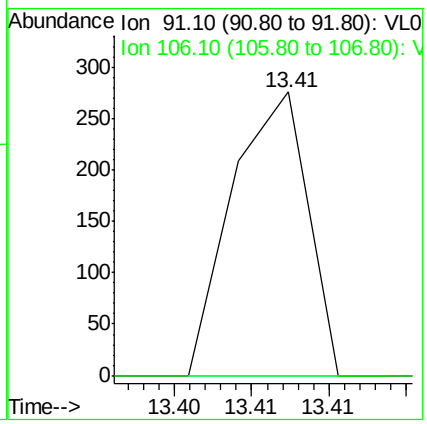


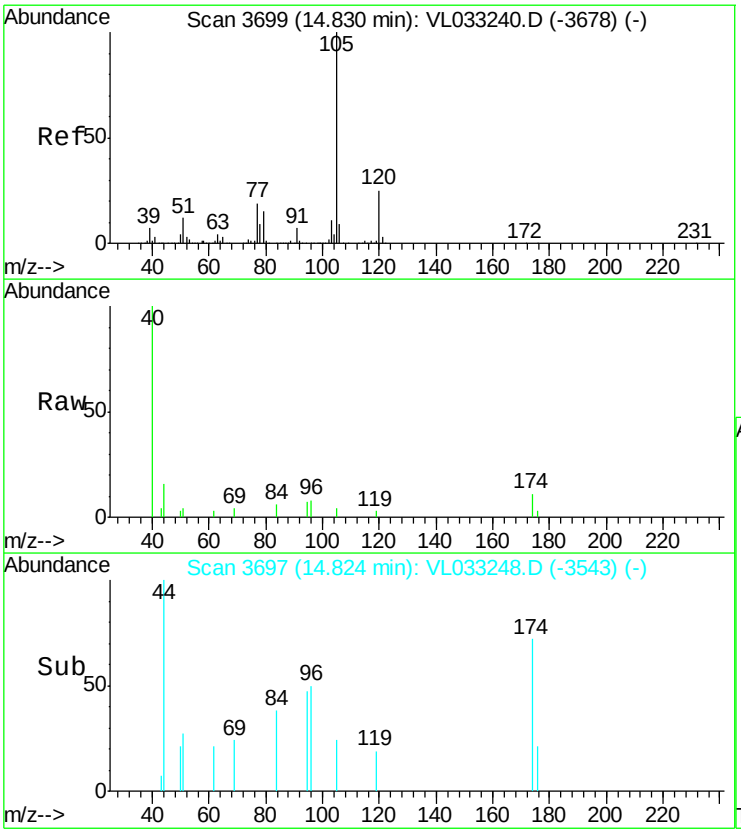


#60
o-Xylene
Concen: 0.000 ppbv
RT: 13.41 min Scan# 3258
Delta R.T. -0.44 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 91 Resp: 94

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.4	64.3#

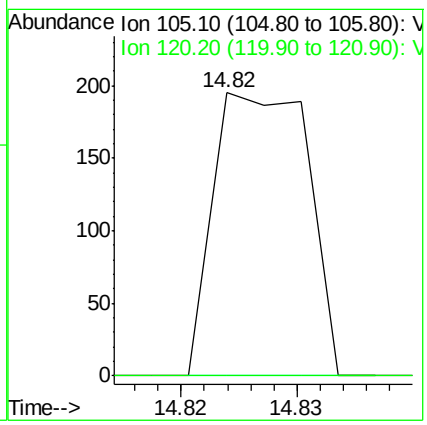


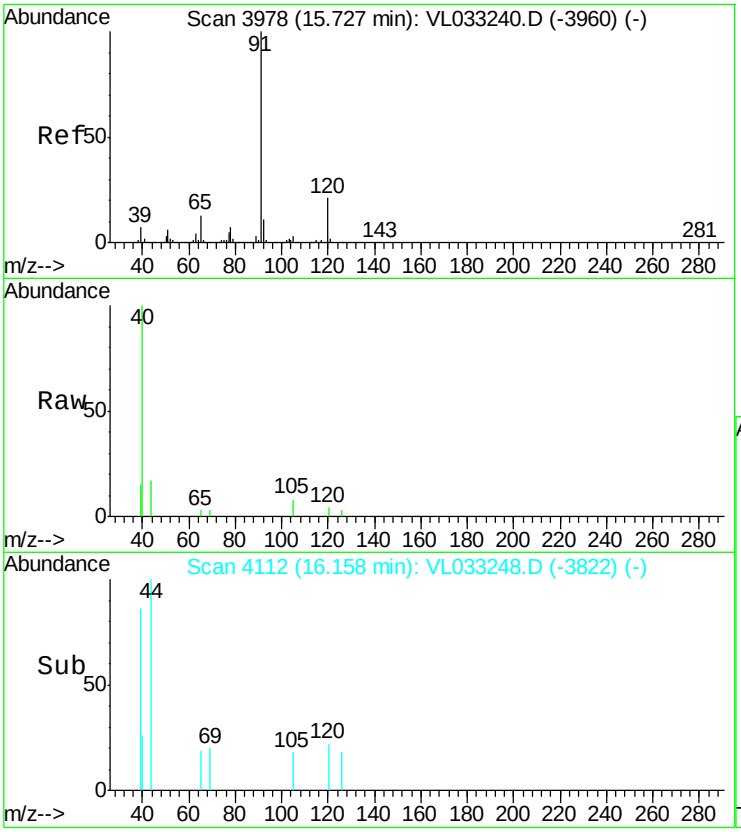


#62
Isopropylbenzene
Concen: 0.000 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:105 Resp: 110

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.1	30.1#

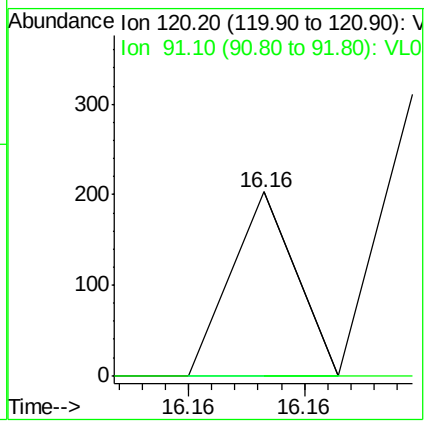


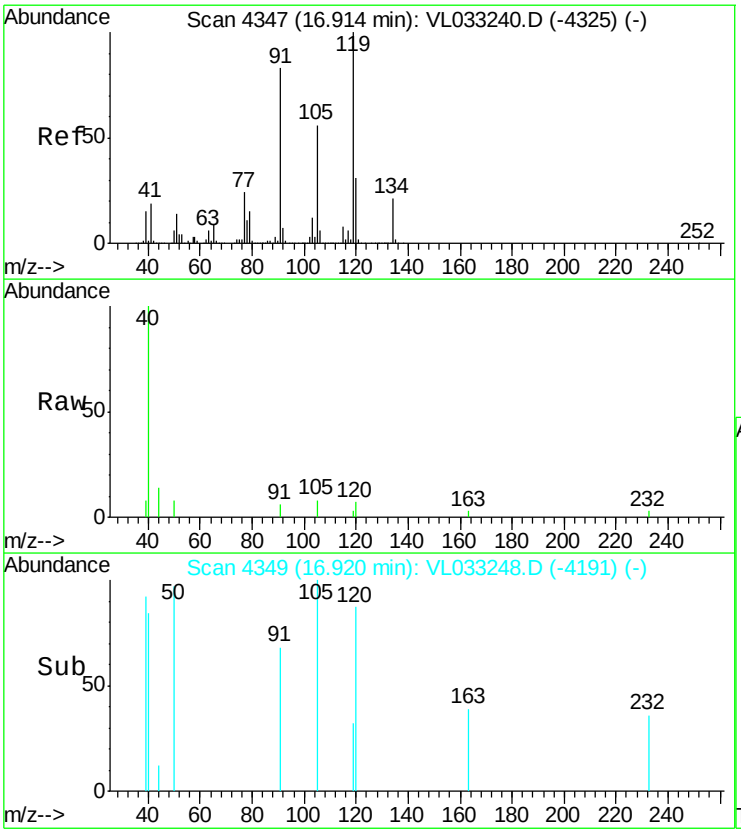


#64
n-propylbenzene
Concen: 0.000 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. 0.43 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:120 Resp: 39

Ion	Ratio	Lower	Upper
120	100		
91	438.5	392.2	588.4

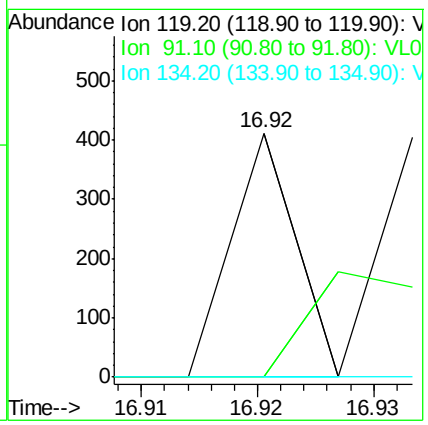


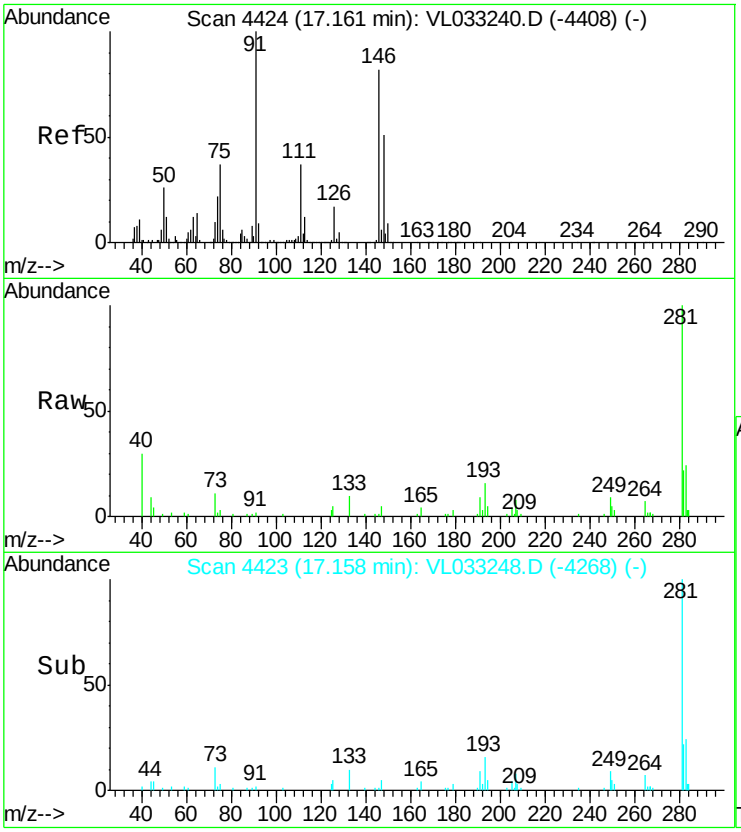


#65
tert-Butylbenzene
Concen: 0.000 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:119 Resp: 79

Ion	Ratio	Lower	Upper
119	100		
91	0.0	67.0	100.4#
134	0.0	15.4	23.2#

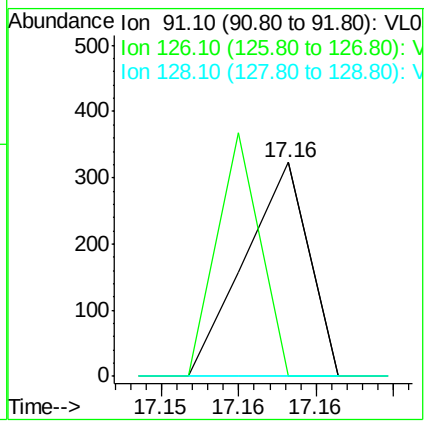


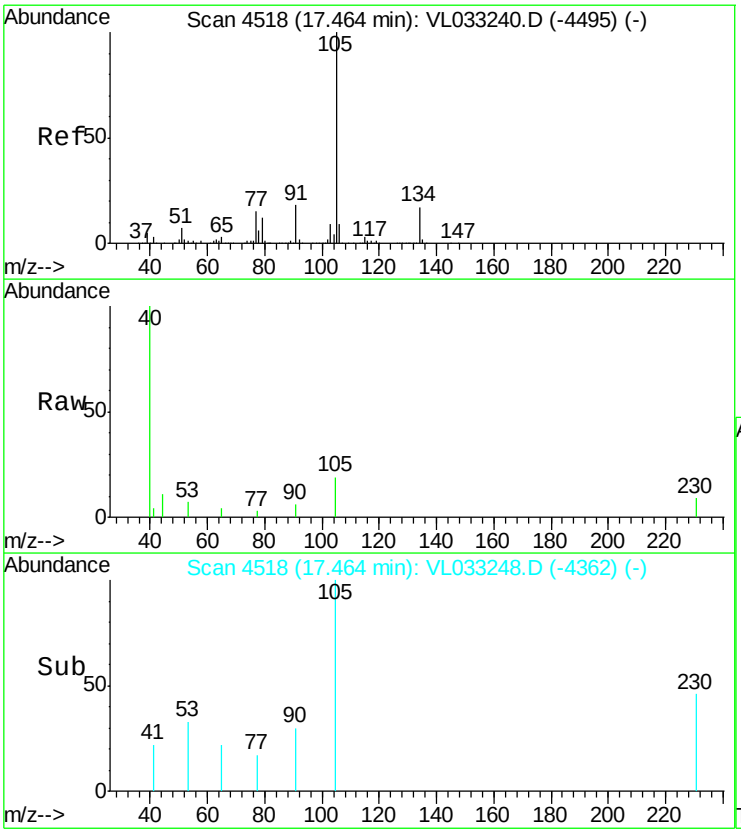


#66
Benzyl Chloride
Concen: 0.001 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 91 Resp: 92

Ion	Ratio	Lower	Upper
91	100		
126	401.1	13.4	20.0#
128	0.0	4.2	6.2#

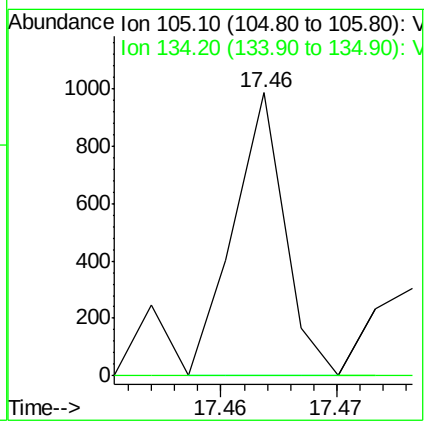


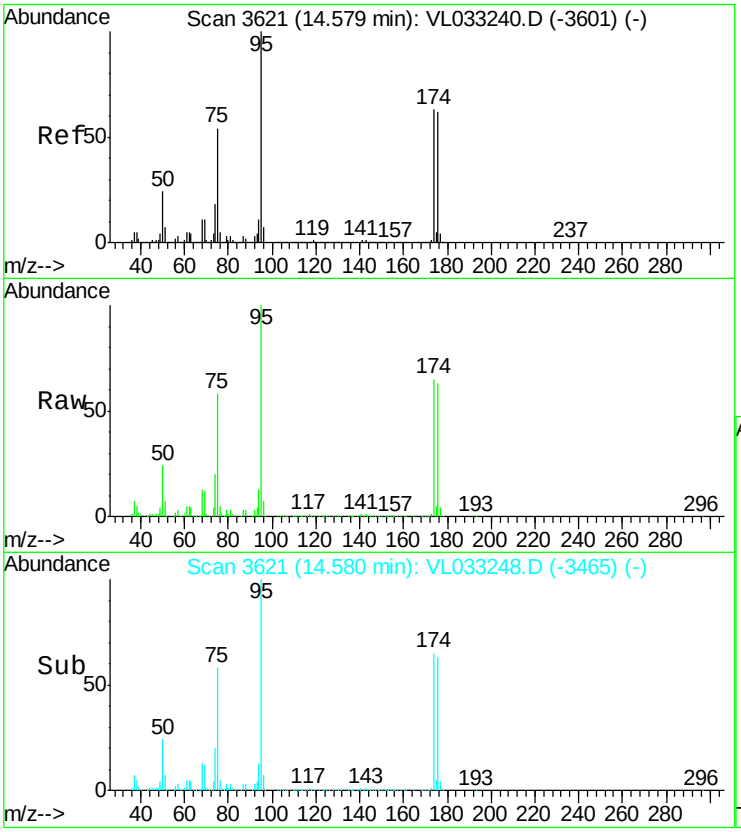


#67
sec-Butylbenzene
Concen: 0.001 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. 0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:105 Resp: 300

Ion	Ratio	Lower	Upper
105	100		
134	0.0	14.2	21.4#

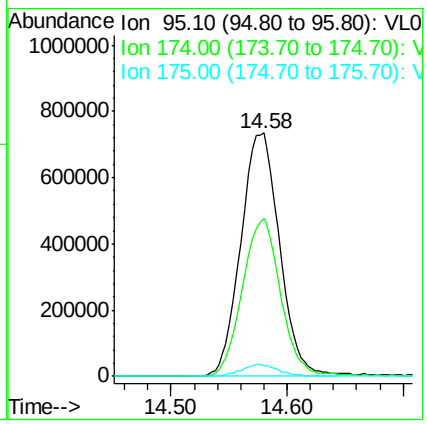


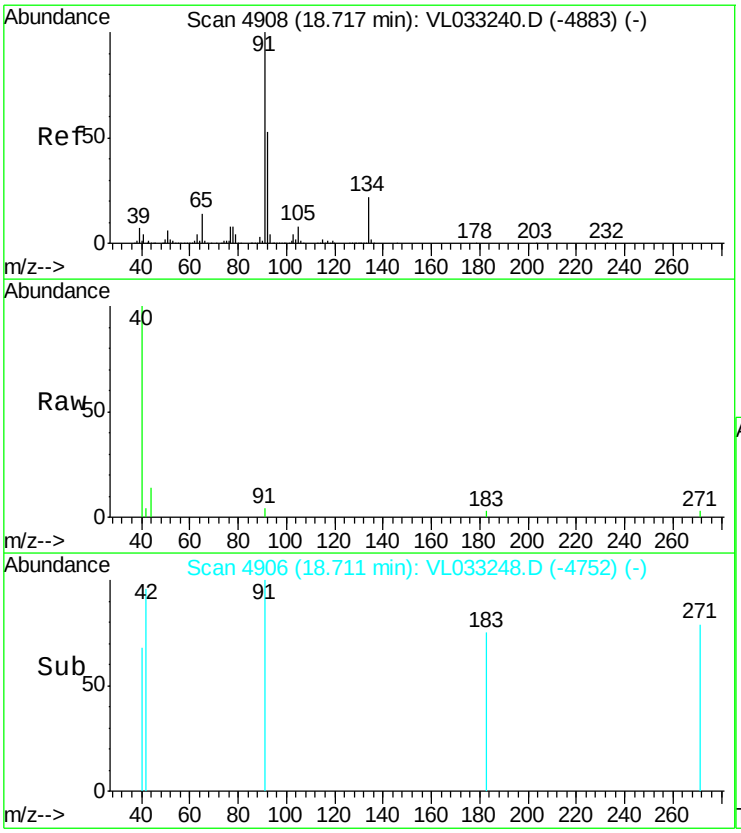


#68
1-Bromo-4-Fluorobenzene
Concen: 10.503 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. 0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 95 Resp: 1709514

Ion	Ratio	Lower	Upper
95	100		
174	64.8	51.0	76.4
175	4.6	3.8	5.6

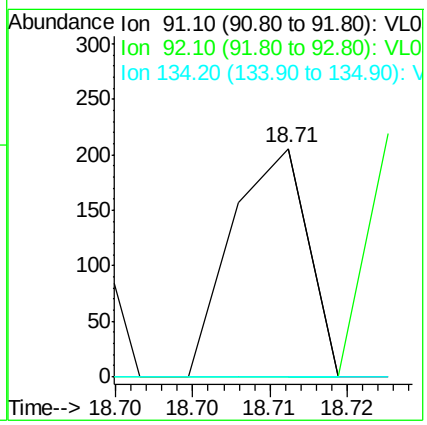


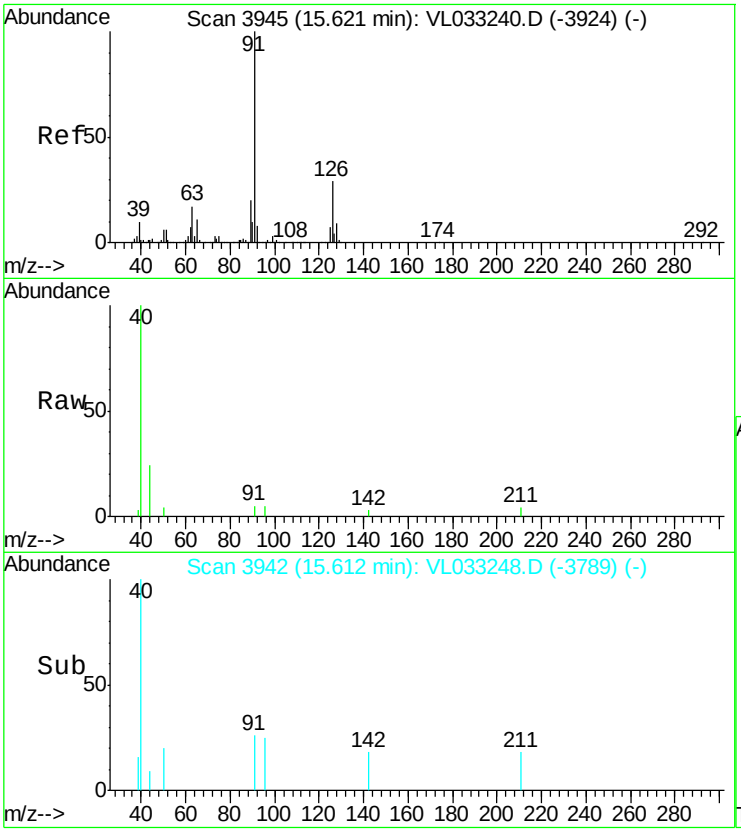


#70
n-Butylbenzene
Concen: 0.000 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 91 Resp: 70

Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.4	63.6#
134	0.0	17.3	25.9#

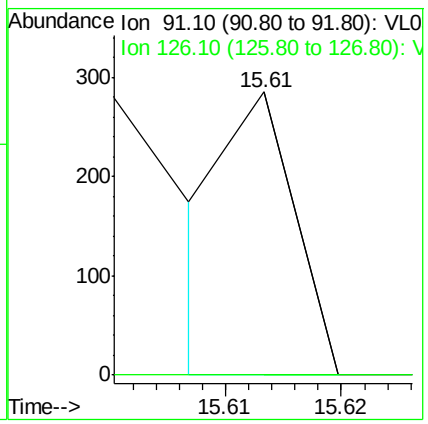


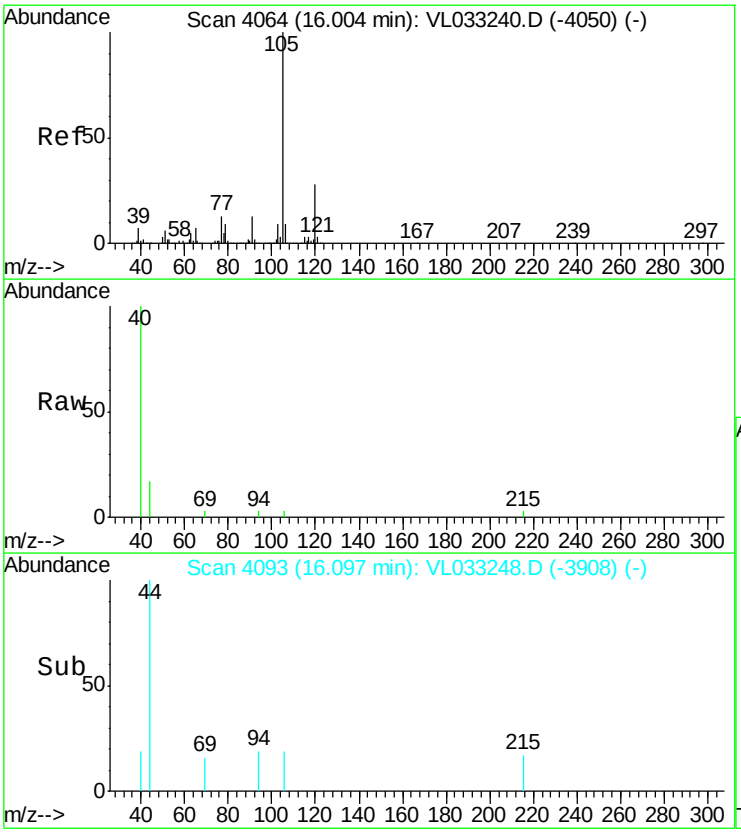


#71
2-Chlorotoluene
Concen: 0.000 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion: 91 Resp: 55

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.6	46.2#

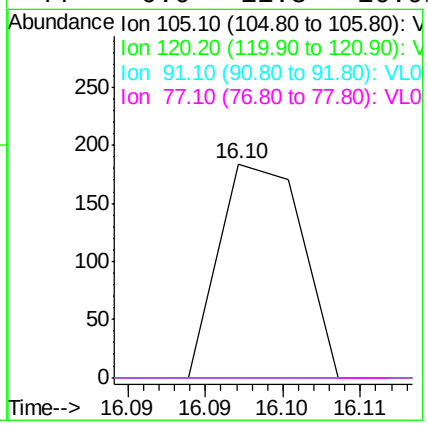


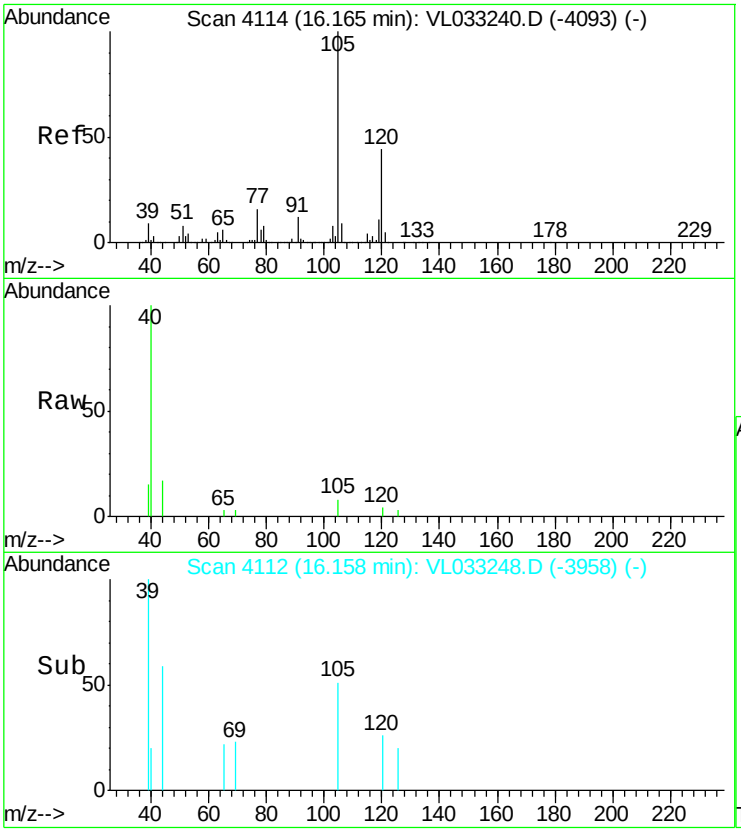


#72
4-Ethyltoluene
Concen: 0.000 ppbv
RT: 16.10 min Scan# 4093
Delta R.T. 0.09 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:105 Resp: 68

Ion	Ratio	Lower	Upper
105	100		
120	58.8	22.3	33.5#
91	102.9	10.3	15.5#
77	0.0	11.3	16.9#

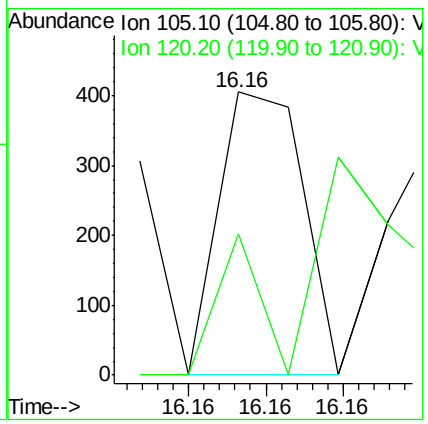


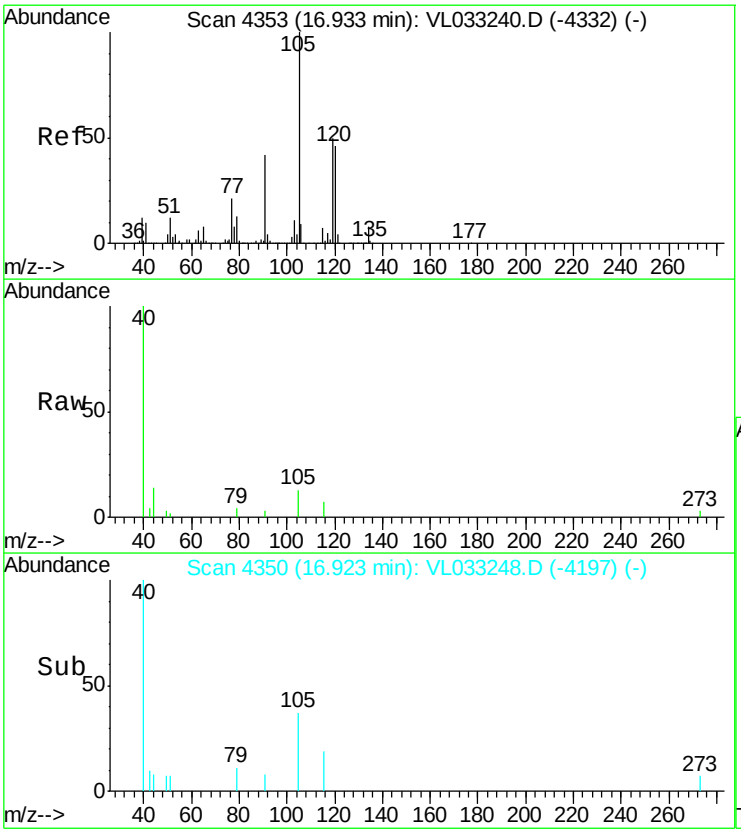


#73
1,3,5-Trimethylbenzene
Concen: 0.001 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:105 Resp: 152

Ion	Ratio	Lower	Upper
105	100		
120	50.1	35.0	52.6

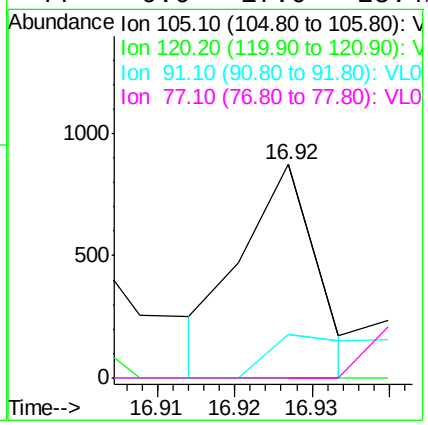


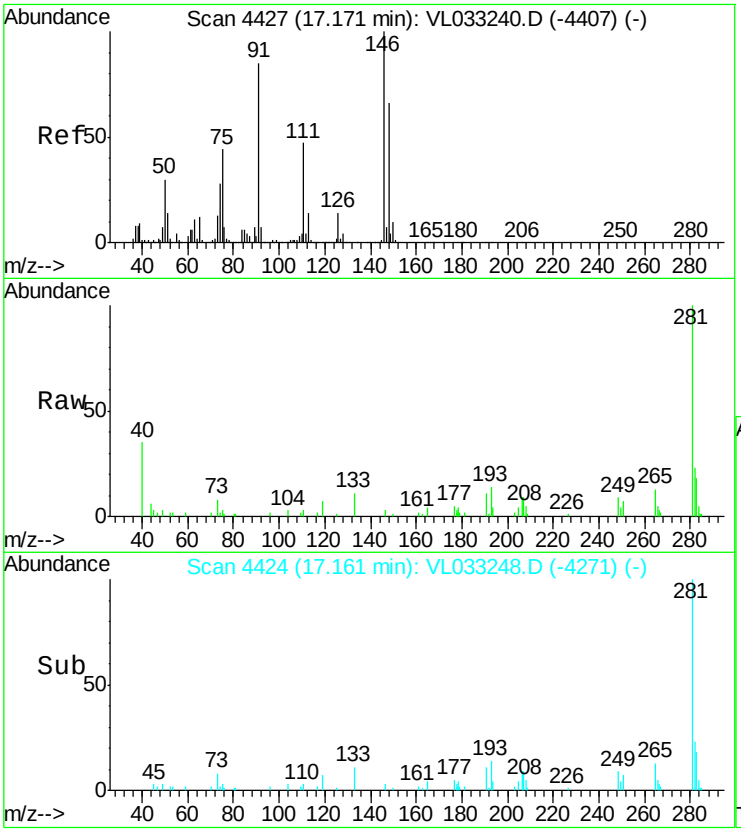


#74
1,2,4-Trimethylbenzene
Concen: 0.001 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:105 Resp: 292

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.5	54.7#
91	25.5	34.4	51.6#
77	0.0	17.0	25.4#

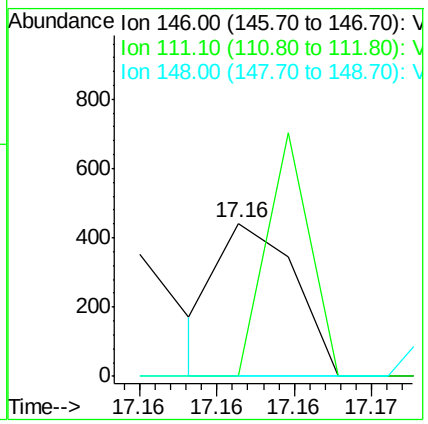


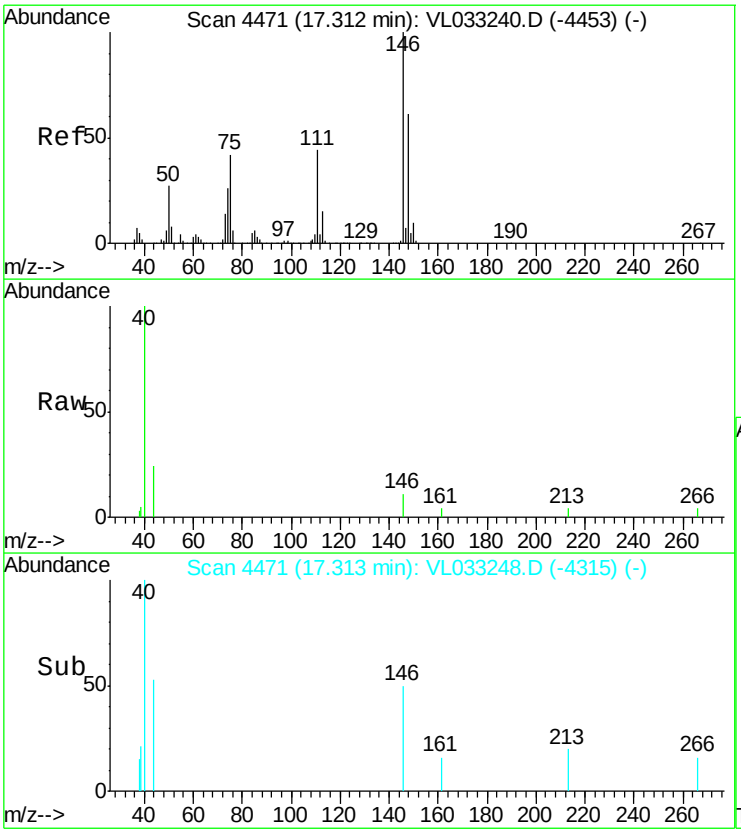


#75
1,3-Dichlorobenzene
Concen: 0.001 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:146 Resp: 152

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.4	70.0#
148	0.0	32.1	96.3#

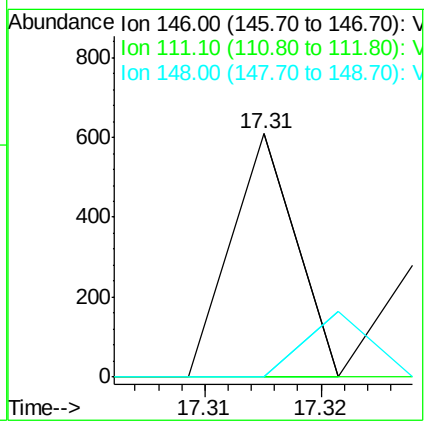


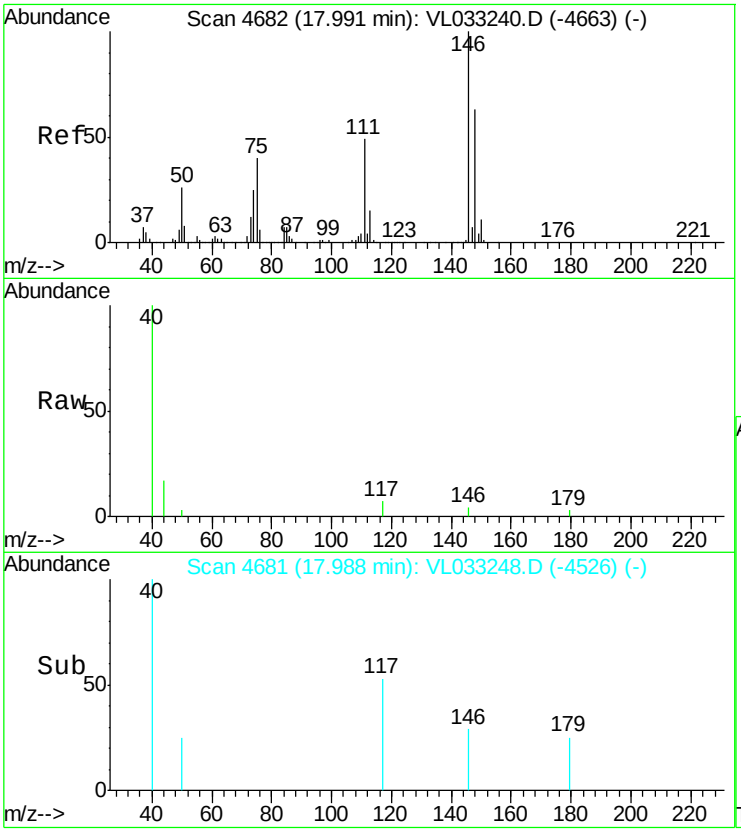


#76
1,4-Dichlorobenzene
Concen: 0.001 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. 0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:146 Resp: 117

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.4	67.3#
148	0.0	32.1	96.3#

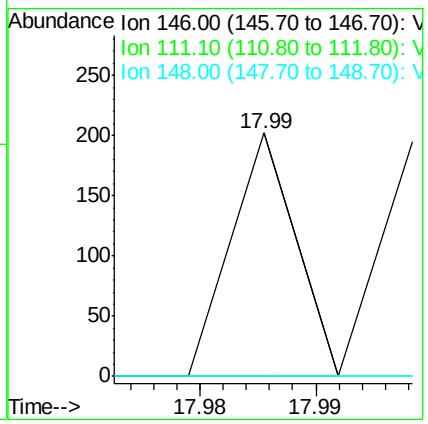


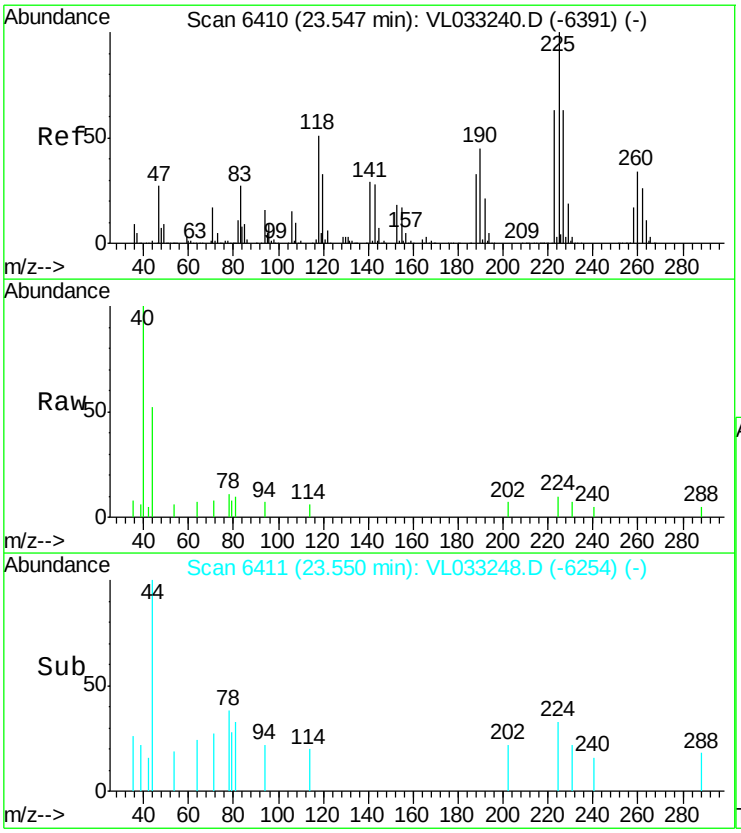


#77
1,2-Dichlorobenzene
Concen: 0.000 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. -0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:146 Resp: 39

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

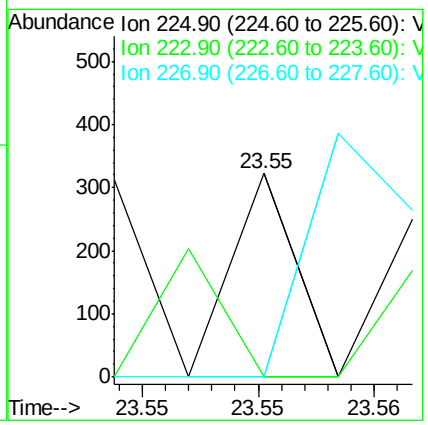


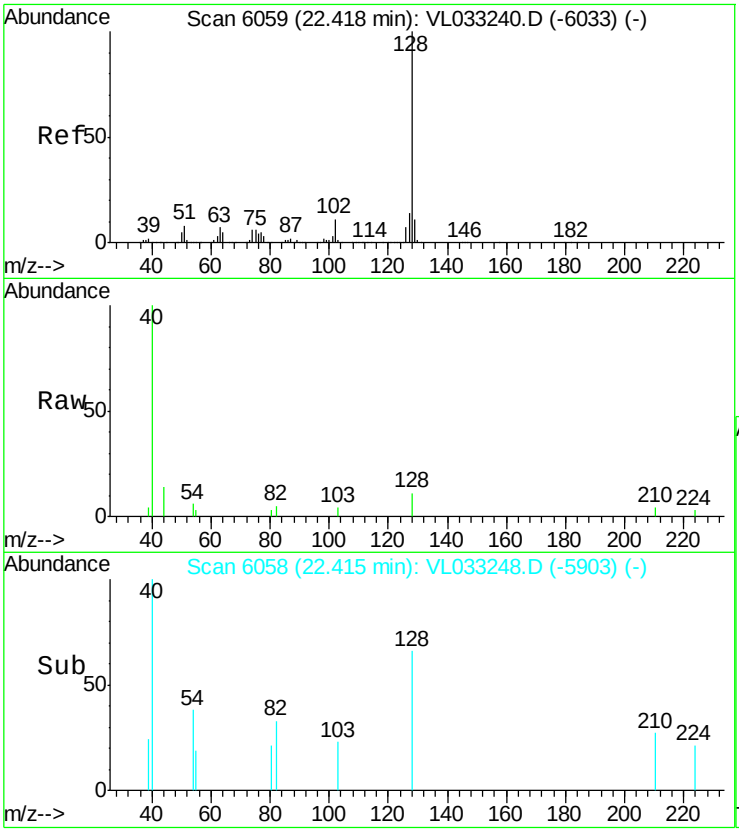


#78
Hexachloro-1,3-Butadiene
Concen: 0.001 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. 0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:225 Resp: 62

Ion	Ratio	Lower	Upper
225	100		
223	164.5	50.9	76.3#
227	377.4	50.7	76.1#

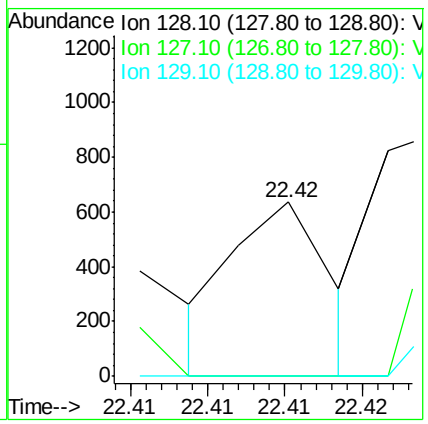


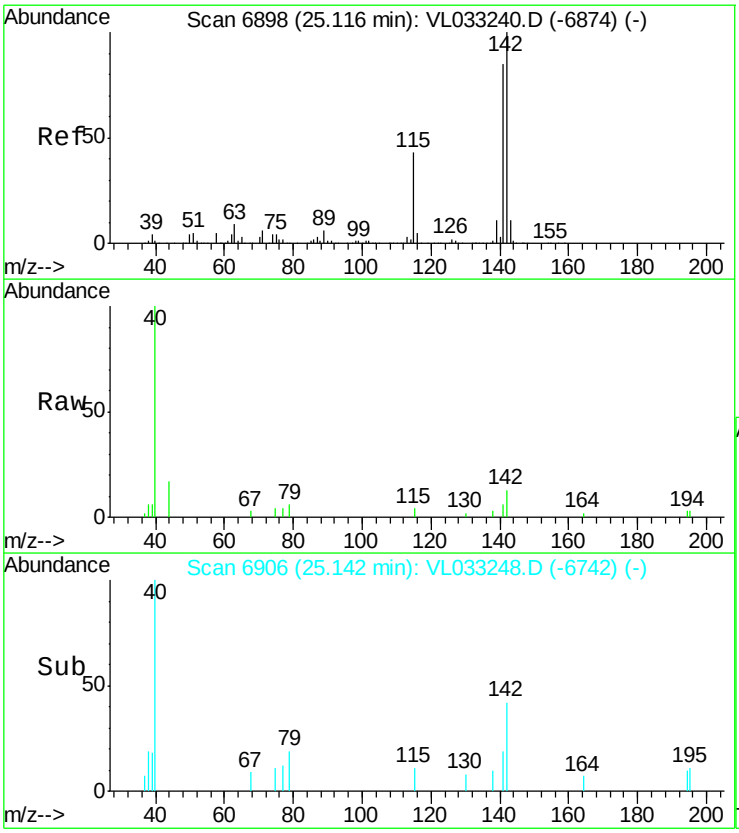


#79
Naphthalene
Concen: 0.001 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:128 Resp: 277

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.6	13.0#

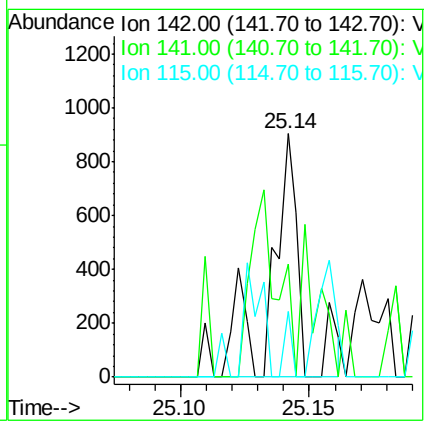


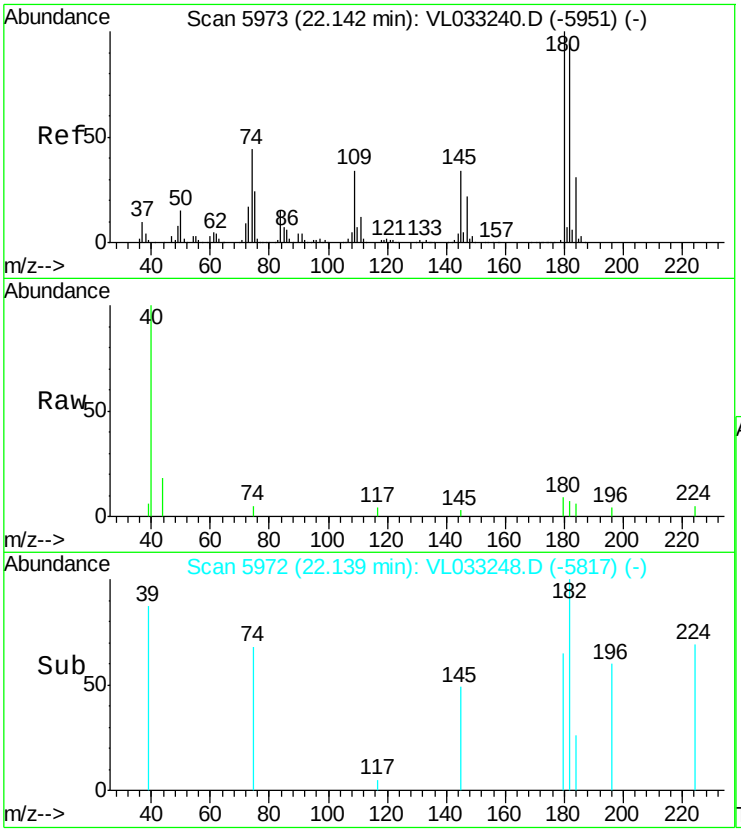


#80
Naphthalene,2-methyl-
Concen: 0.008 ppbv
RT: 25.14 min Scan# 6906
Delta R.T. 0.03 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:142 Resp: 743

Ion	Ratio	Lower	Upper
142	100		
141	107.3	68.0	102.0#
115	66.4	34.1	51.1#





#81
1,2,4-Trichlorobenzene
Concen: 0.000 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.00 min
Lab File: VL033248.D
Acq: 6 Mar 2019 8:30

Tgt Ion:180 Resp: 73

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