

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030619\
 Data File : VL033246.D
 Acq On : 6 Mar 2019 5:52
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 06 06:24:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 02:40:20 2019
 QLast Update : Wed Mar 06 02:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1002033	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2258001	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2458879m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1814286	9.59	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	1729449	9.743	ppbv 99
3) Chlorodifluoromethane	3.01	51	1858226	15.723	ppbv 100
4) Chloromethane	3.17	50	977702	15.789	ppbv 98
5) Vinyl Chloride	3.29	62	934710	14.261	ppbv 94
6) Bromomethane	3.52	94	567419	15.839	ppbv 97
7) Chloroethane	3.60	64	330486	15.491	ppbv 94
8) Dichlorotetrafluoroethane	3.22	85	2078862	14.104	ppbv 99
9) Propene	3.04	41	845391	14.903	ppbv 100
10) Heptane	8.25	43	1996257	11.655	ppbv 100
11) Trichlorofluoromethane	4.00	101	2476902	16.176	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1576869	14.939	ppbv 100
13) Ethanol	3.65	45	128081	6.662	ppbv 95
14) Bromoethene	3.79	108	693914	15.309	ppbv 98
15) Acetone	3.90	43	1636314	14.673	ppbv 99
16) 1,3-Butadiene	3.36	39	806159	15.292	ppbv 95
17) tert-Butyl alcohol	4.35	59	272600	12.730	ppbv 99
18) 1,1-Dichloroethene	4.35	96	750902	16.038	ppbv 99
19) Isopropyl Alcohol	4.02	45	919330	11.867	ppbv 100
20) Methylene Chloride	4.41	84	632953	14.336	ppbv 92
21) Allyl Chloride	4.48	41	1127276	15.496	ppbv 97
22) trans-1,2-Dichloroethene	4.96	96	714062	15.247	ppbv 99
23) Vinyl Acetate	5.16	43	2790102	14.273	ppbv 100
24) 1,1-Dichloroethane	5.09	63	1874309	13.465	ppbv 99
25) Ethyl Acetate	5.77	43	3282220	12.878	ppbv 99
26) Hexane	5.78	57	1465705	12.313	ppbv 99
27) Carbon Disulfide	4.62	76	1766531	16.497	ppbv 98
28) Methyl tert-Butyl Ether	5.11	73	2160440	13.257	ppbv 99
29) Chloroform	5.85	83	2421659	13.260	ppbv 100
30) Cyclohexane	7.25	84	1200649	11.279	ppbv 99
31) cis-1,2-Dichloroethene	5.64	61	1566862	13.163	ppbv 97
32) 1,1,1-Trichloroethane	6.62	97	2417551	11.985	ppbv 100
34) 2-Butanone	5.33	43	2268401	15.291	ppbv 100
35) Carbon Tetrachloride	7.14	117	2433550	13.977	ppbv 99
36) Benzene	7.01	78	3038846	13.020	ppbv 99
37) 1,2-Dichloroethane	6.42	62	1895660	14.328	ppbv 100
38) Trichloroethene	7.97	130	1128947	11.474	ppbv 100
39) 1,2-Dichloropropane	7.74	63	1168113	12.892	ppbv 99
40) 1,4-Dioxane	7.96	88	355935	10.865	ppbv # 49
41) Tetrahydrofuran	6.15	42	1301050	14.264	ppbv 99
42) Bromodichloromethane	7.92	83	2682411	14.378	ppbv 98
43) Methyl Methacrylate	8.14	69	1287435	13.938	ppbv 99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 02:40:20 2019

QLast Update : Wed Mar 06 02:40:20 2019

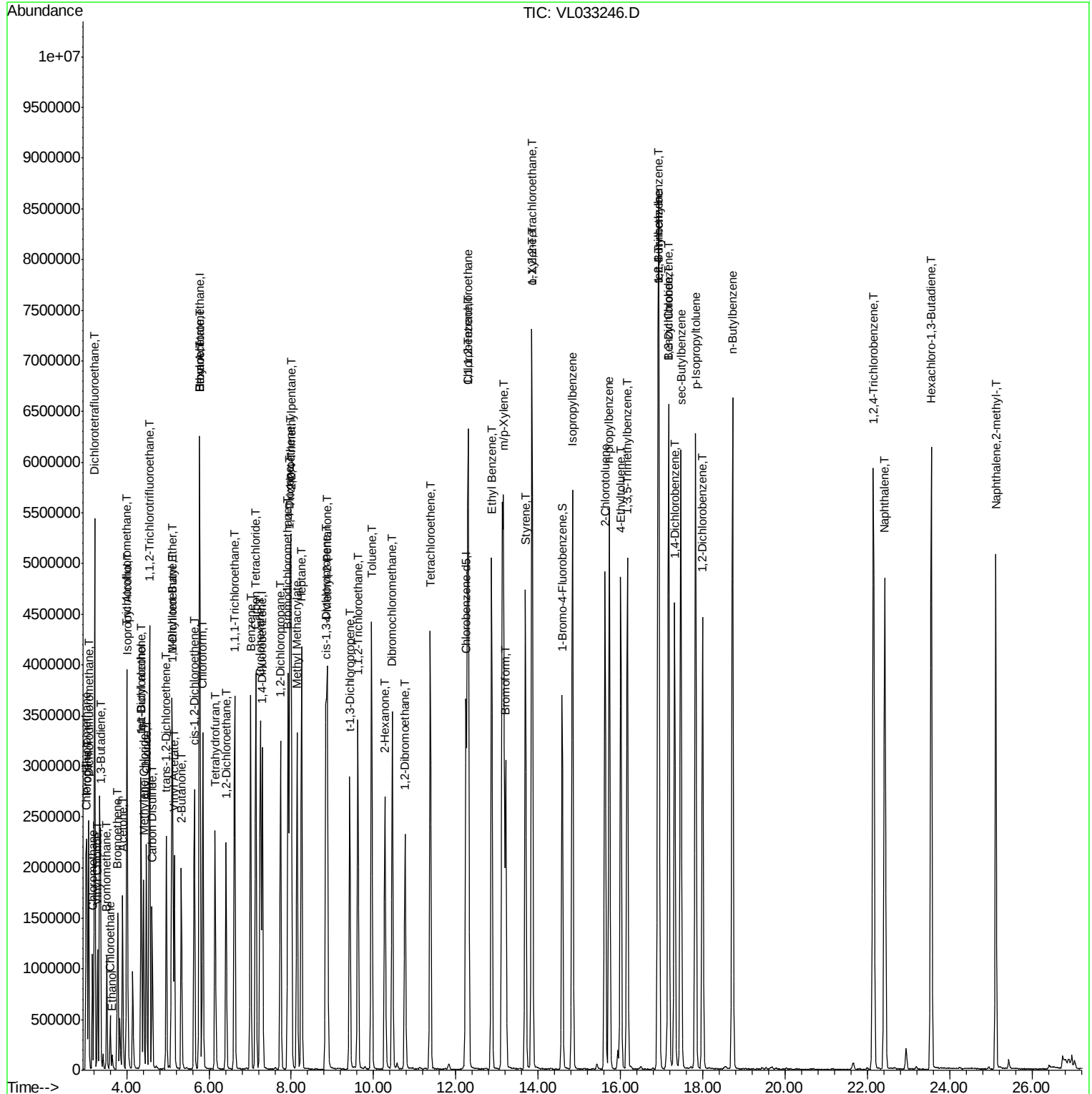
Response via : Initial Calibration

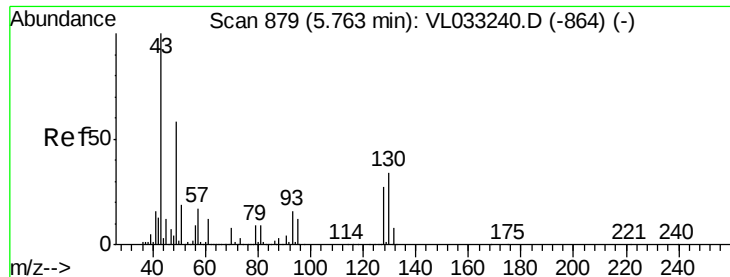
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	5087206	12.982	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1763787	17.153	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1964303	15.001	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	1246214	13.224	ppbv	96
48) Dibromochloromethane	10.46	129	2201288	14.771	ppbv	99
49) Bromoform	13.21	173	1807401	14.251	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	3248934	13.945	ppbv	99
51) 2-Hexanone	10.27	43	2583666	14.176	ppbv #	100
52) Tetrachloroethene	11.37	164	1082038	12.244	ppbv	97
53) Toluene	9.95	91	3608614	13.275	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1967768	13.365	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.29	131	1473821	12.993	ppbv #	66
57) Chlorobenzene	12.31	112	2516306	11.743	ppbv	98
58) Ethyl Benzene	12.87	91	4815769	12.106	ppbv	99
59) m/p-Xylene	13.15	91	7972030m	24.030	ppbv	
60) o-Xylene	13.86	91	3807284	11.785	ppbv	100
61) Styrene	13.69	104	2914083	12.085	ppbv	99
62) Isopropylbenzene	14.83	105	5294906	11.703	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2483725	9.872	ppbv	100
64) n-propylbenzene	15.73	120	1337498	11.690	ppbv	98
65) tert-Butylbenzene	16.91	119	4393492	11.180	ppbv	99
66) Benzyl Chloride	17.16	91	2376747	17.257	ppbv	100
67) sec-Butylbenzene	17.47	105	6363000	11.173	ppbv	100
69) p-Isopropyltoluene	17.82	119	5303879	11.184	ppbv	100
70) n-Butylbenzene	18.72	91	5755604	11.220	ppbv	99
71) 2-Chlorotoluene	15.62	91	4038207	11.407	ppbv	99
72) 4-Ethyltoluene	16.01	105	4327778	11.748	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	4085704	11.616	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	4073003	11.124	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	2356621	11.188	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2419644	11.616	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	2387521	11.481	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1638123	14.865	ppbv	99
79) Naphthalene	22.42	128	6417431	15.441	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	2831281	13.652	ppbv	100
81) 1,2,4-Trichlorobenzene	22.15	180	2915741	13.993	ppbv	99

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

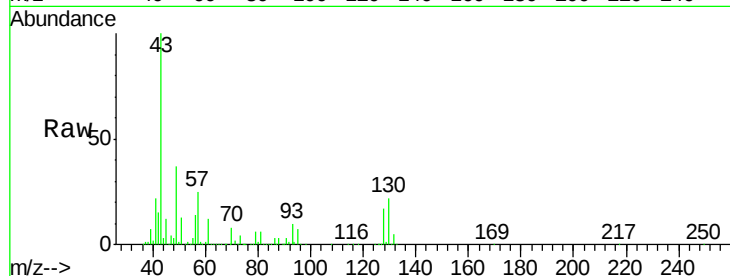
Tot Ion: 49 Resp: 1002033

Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.9	68.8
130	58.8	29.3	88.0

49 100

128 45.7 22.9 68.8

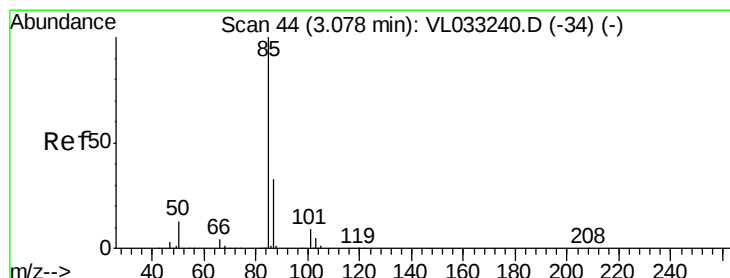
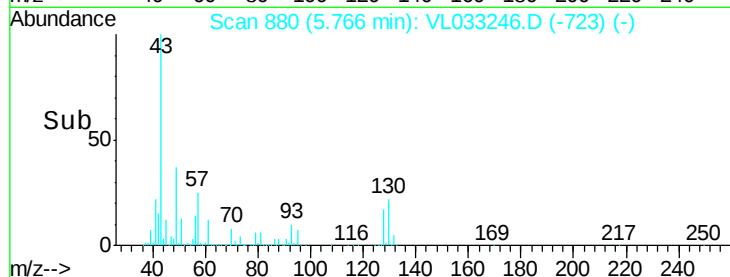
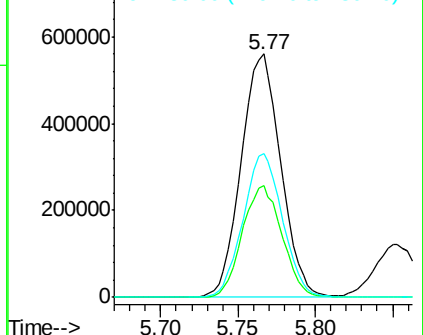
130 58.8 29.3 88.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.743 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033246.D

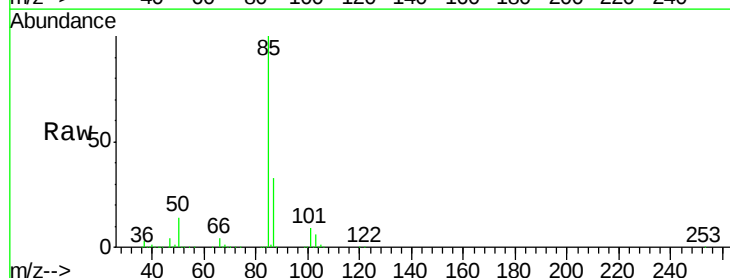
Acq: 6 Mar 2019 5:52

Tgt Ion: 85 Resp: 1729449

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.7	40.1

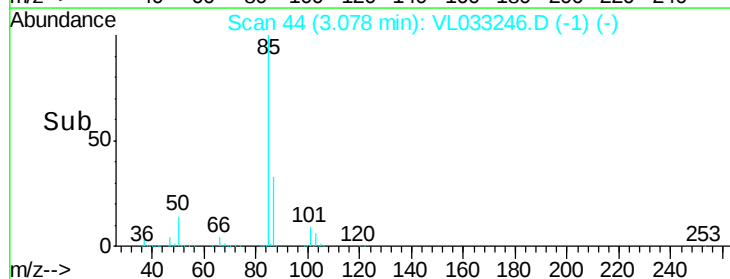
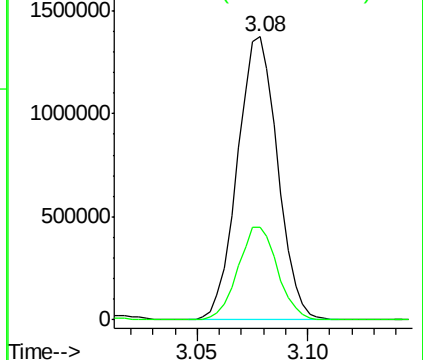
85 100

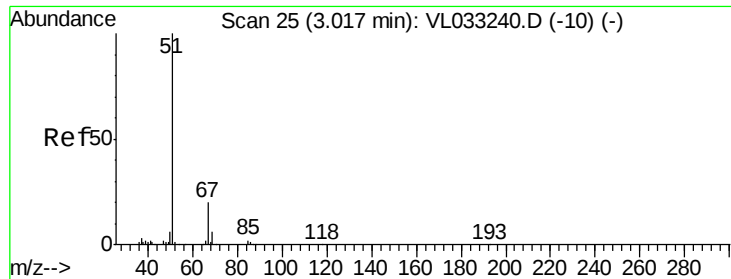
87 32.6 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 15.723 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033246.D

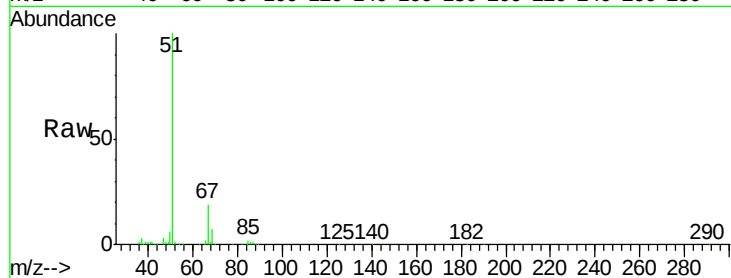
Acq: 6 Mar 2019 5:52

Tot Ion: 51 Resp: 1858226

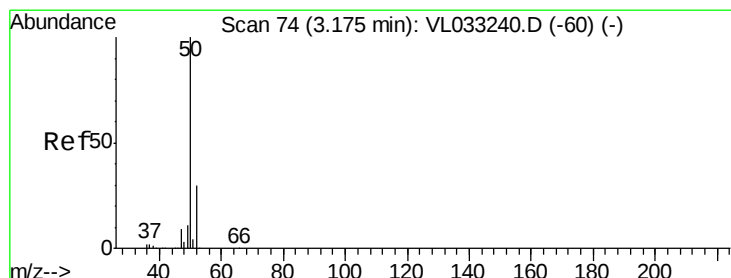
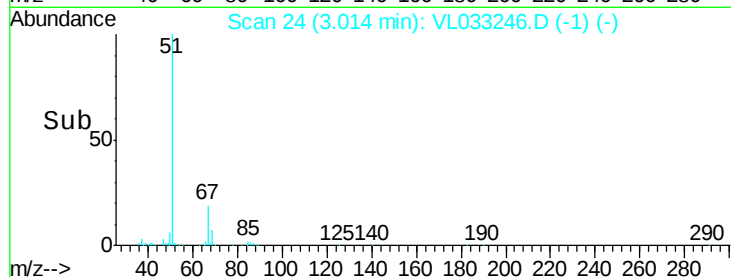
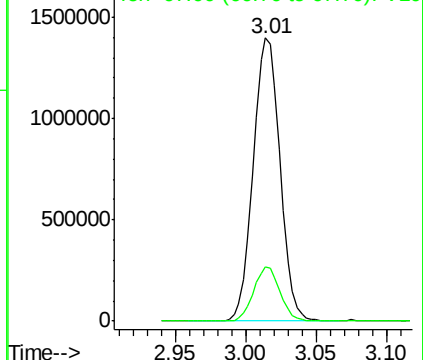
Ion Ratio Lower Upper

51 100

67 18.8 15.0 22.4



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 15.789 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.01 min

Lab File: VL033246.D

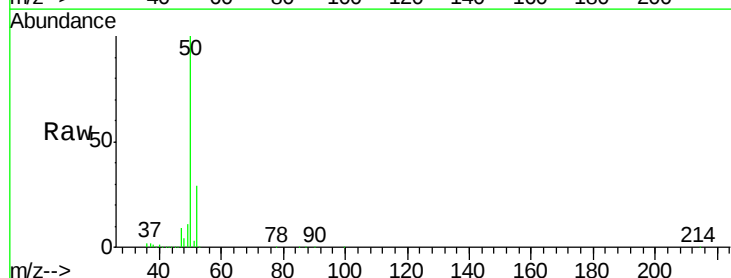
Acq: 6 Mar 2019 5:52

Tgt Ion: 50 Resp: 977702

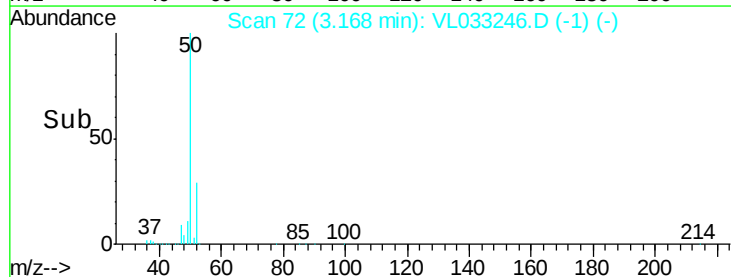
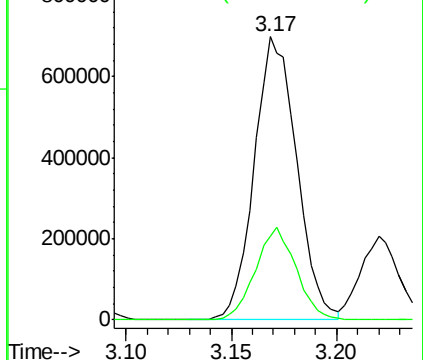
Ion Ratio Lower Upper

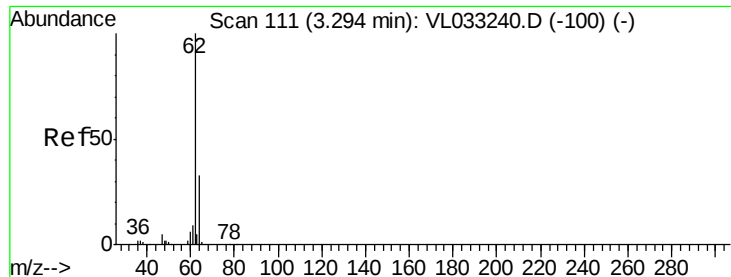
50 100

52 29.4 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 14.261 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033246.D

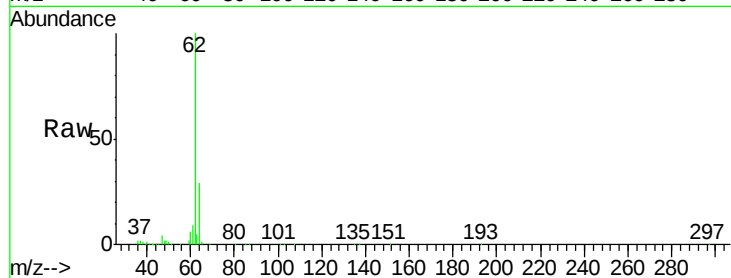
Acq: 6 Mar 2019 5:52

Tot Ion: 62 Resp: 934710

Ion Ratio Lower Upper

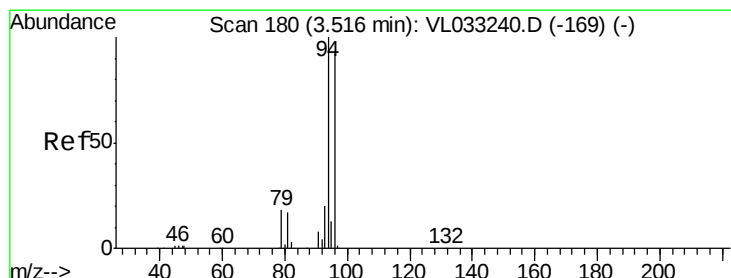
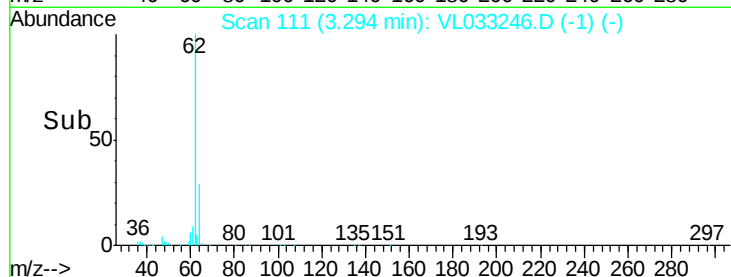
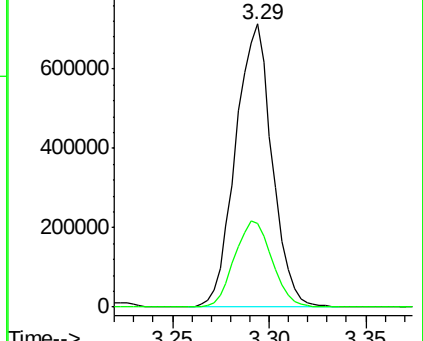
62 100

64 29.5 26.2 39.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 15.839 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033246.D

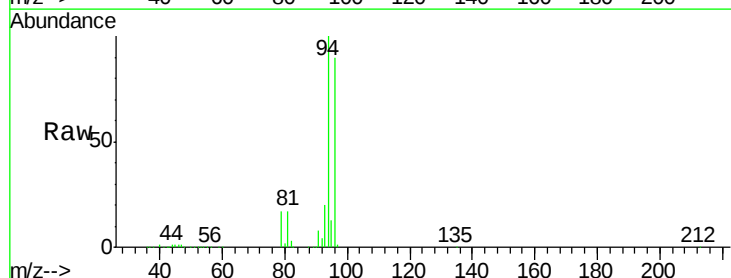
Acq: 6 Mar 2019 5:52

Tgt Ion: 94 Resp: 567419

Ion Ratio Lower Upper

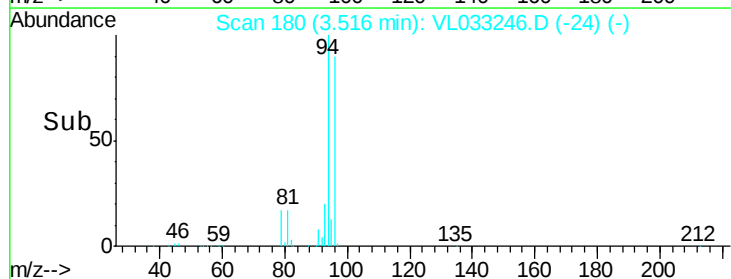
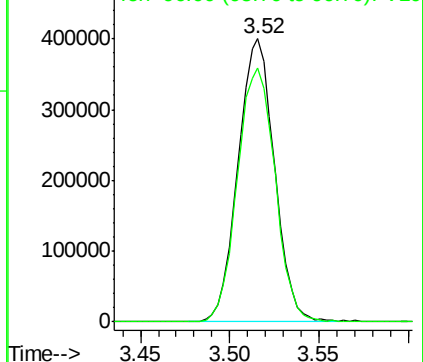
94 100

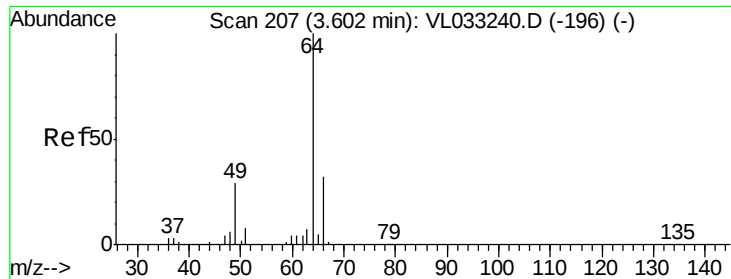
96 89.6 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 15.491 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033246.D

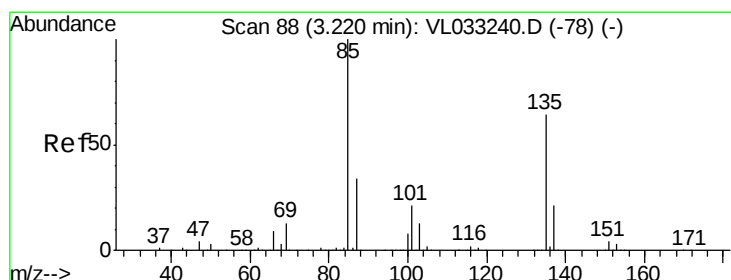
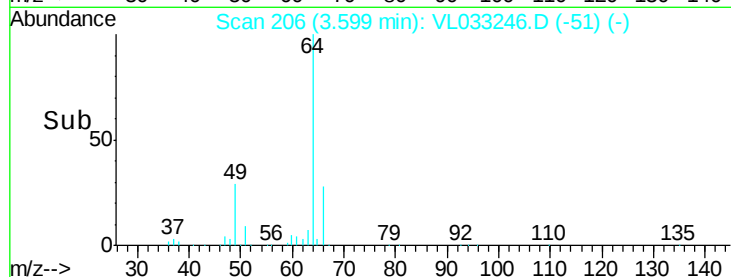
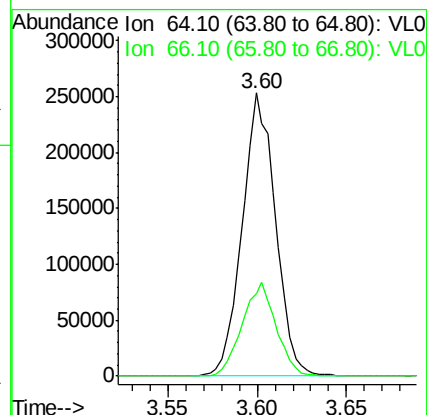
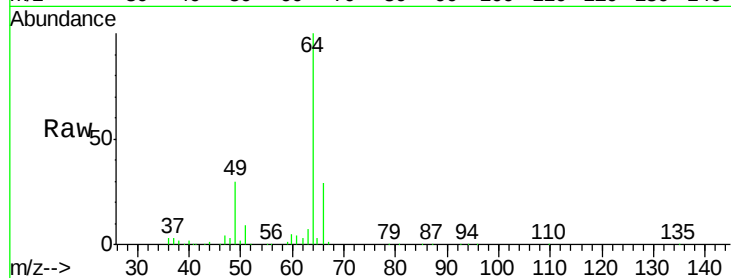
Acq: 6 Mar 2019 5:52

Tot Ion: 64 Resp: 330486

Ion Ratio Lower Upper

64 100

66 28.9 25.7 38.5



#8

Dichlorotetrafluoroethane

Concen: 14.104 ppbv

RT: 3.22 min Scan# 88

Delta R.T. 0.00 min

Lab File: VL033246.D

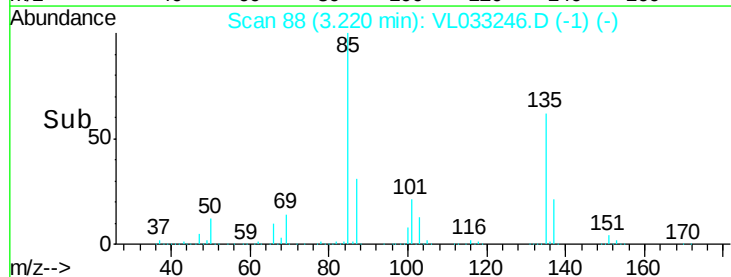
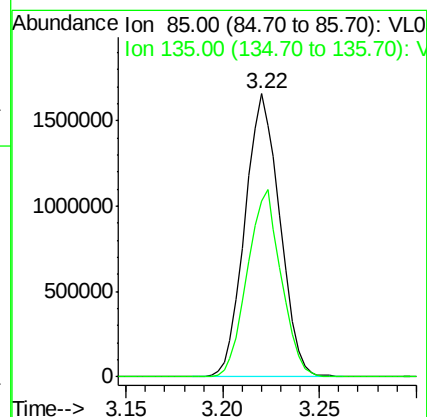
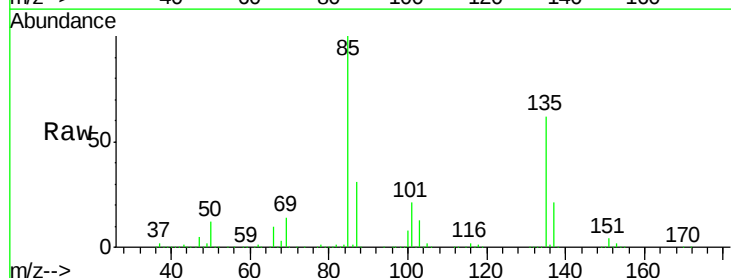
Acq: 6 Mar 2019 5:52

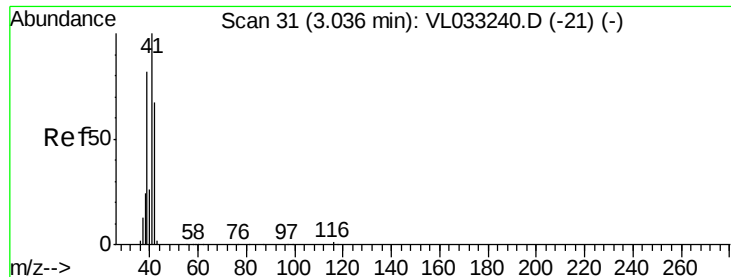
Tgt Ion: 85 Resp: 2078862

Ion Ratio Lower Upper

85 100

135 64.7 52.6 79.0





#9

Propene

Concen: 14.903 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033246.D

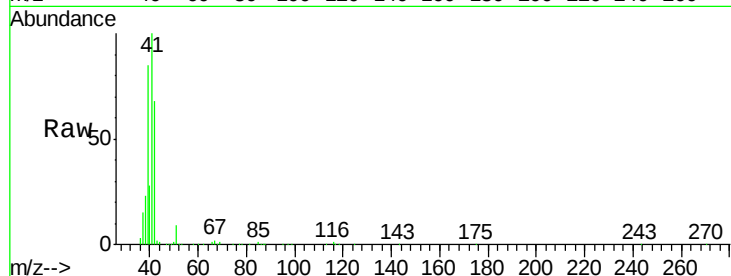
Acq: 6 Mar 2019 5:52

Tot Ion: 41 Resp: 845391

Ion Ratio Lower Upper

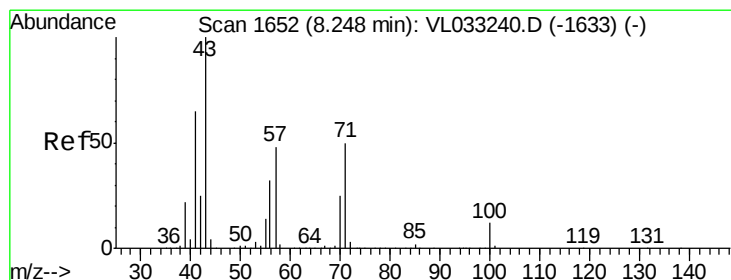
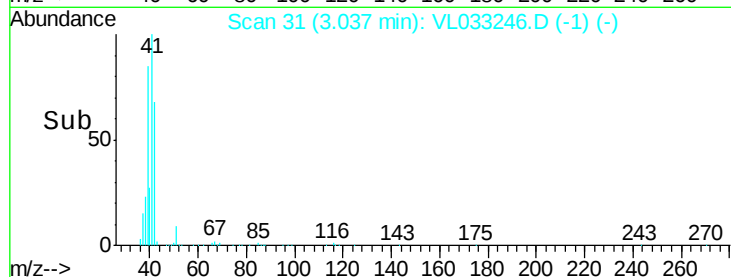
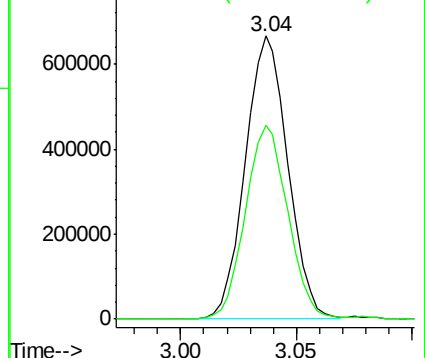
41 100

42 69.2 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 11.655 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033246.D

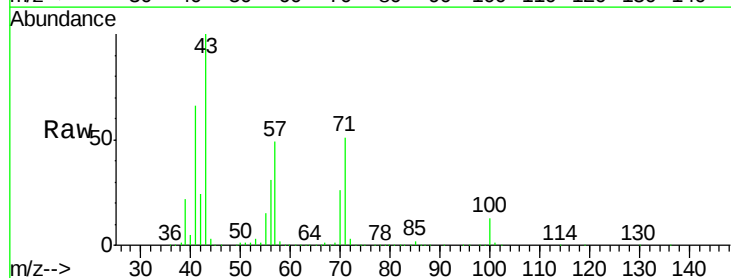
Acq: 6 Mar 2019 5:52

Tgt Ion: 43 Resp: 1996257

Ion Ratio Lower Upper

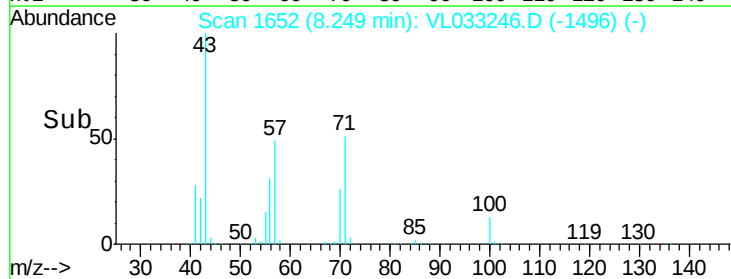
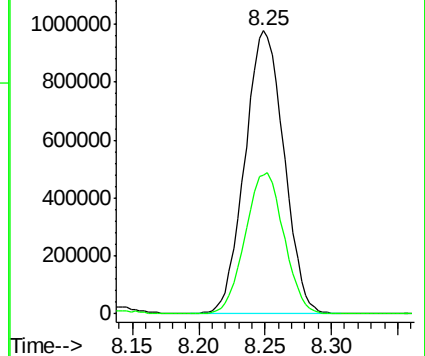
43 100

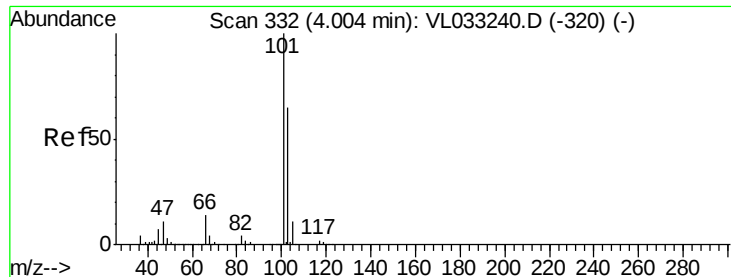
57 49.7 39.8 59.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

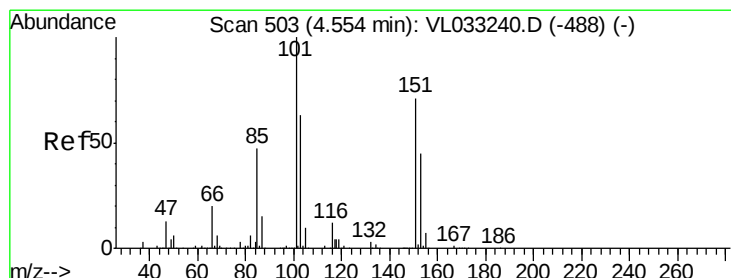
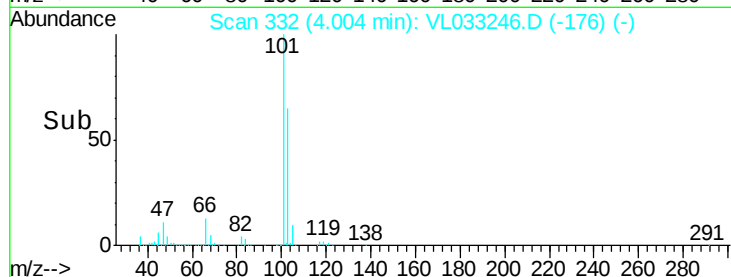
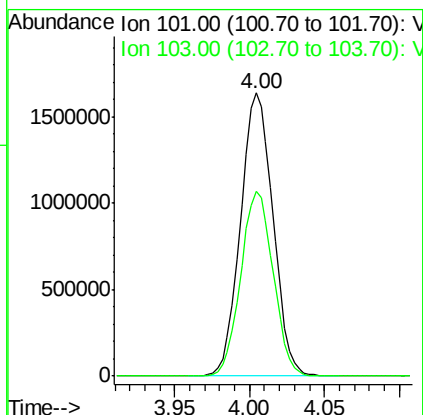
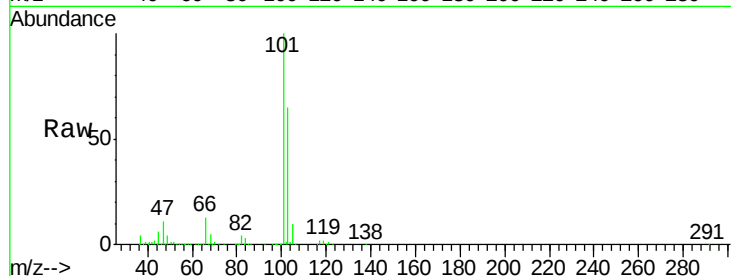
Ion 57.10 (56.80 to 57.80): VL0





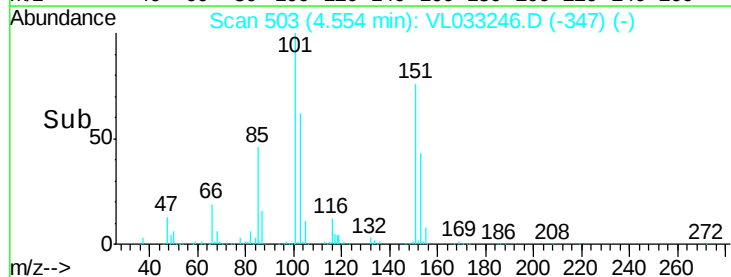
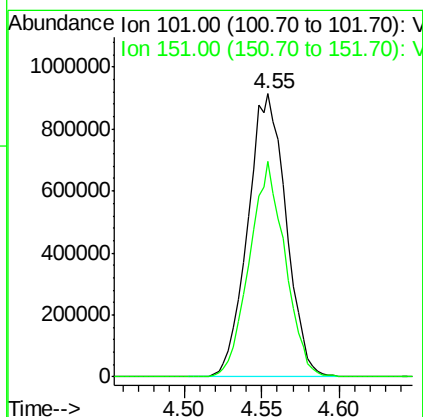
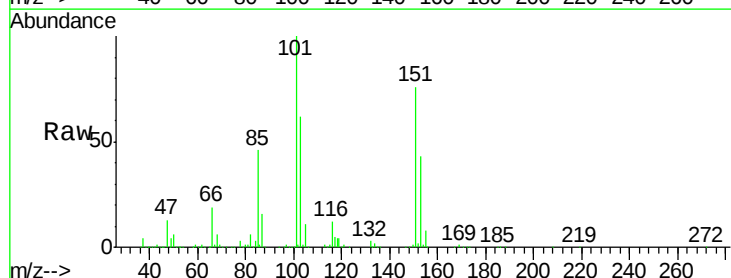
#11
 Trichlorofluoromethane
 Concen: 16.176 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

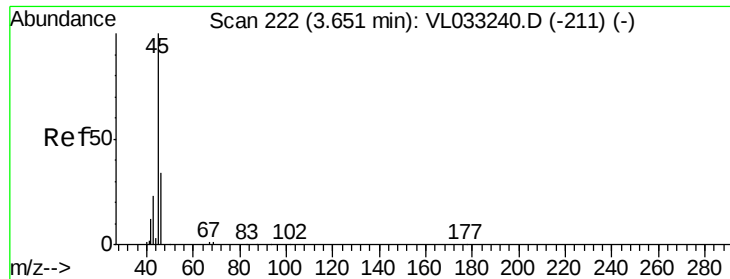
Tot Ion:101 Resp: 2476902
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.939 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

Tgt Ion:101 Resp: 1576869
 Ion Ratio Lower Upper
 101 100
 151 71.0 57.0 85.6





#13

Ethanol

Concen: 6.662 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033246.D

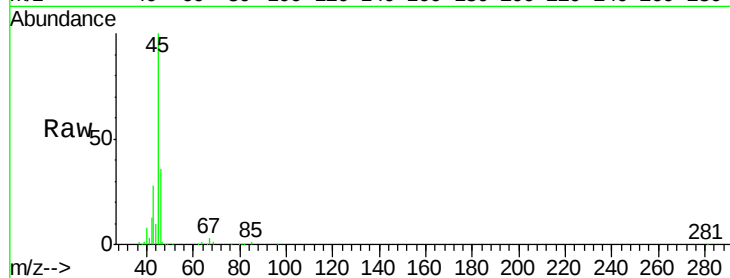
Acq: 6 Mar 2019 5:52

Tot Ion: 45 Resp: 128081

Ion Ratio Lower Upper

45 100

46 35.6 15.3 61.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.65

80000

60000

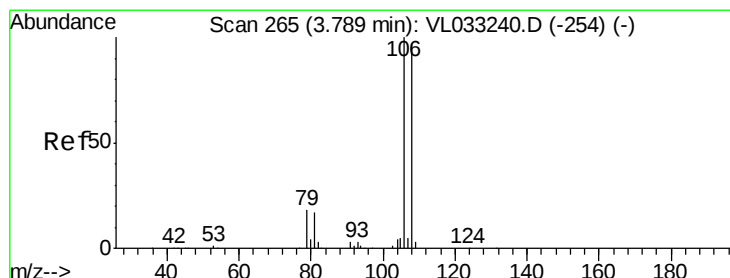
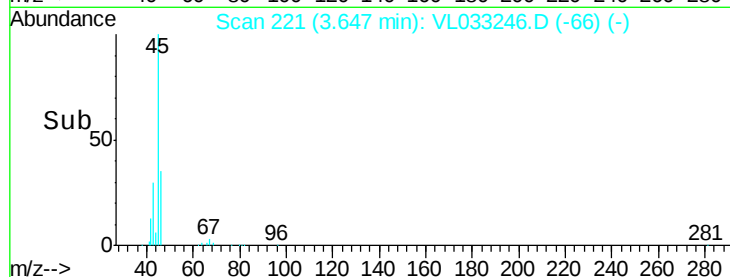
40000

20000

0

Time-->

3.60 3.65 3.70



#14

Bromoethene

Concen: 15.309 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

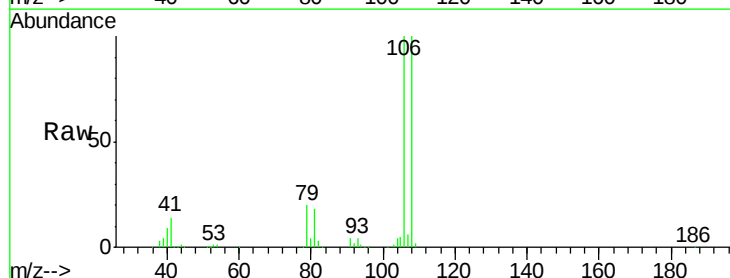
Tgt Ion: 108 Resp: 693914

Ion Ratio Lower Upper

108 100

106 104.5 85.5 128.3

79 18.7 15.3 22.9



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

3.79

600000

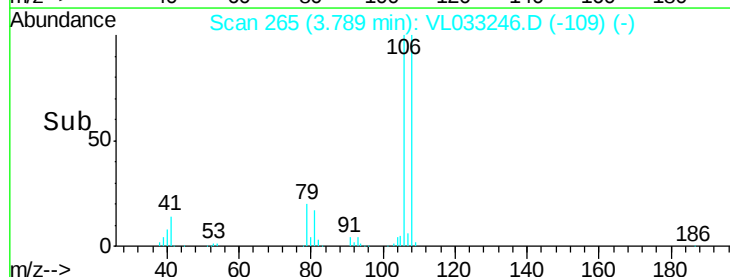
400000

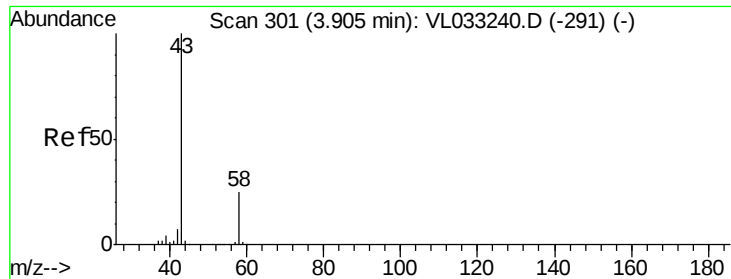
200000

0

Time-->

3.75 3.80





#15

Acetone

Concen: 14.673 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033246.D

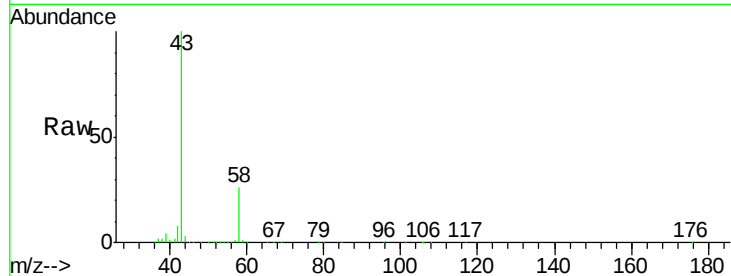
Acq: 6 Mar 2019 5:52

Tot Ion: 43 Resp: 1636314

Ion Ratio Lower Upper

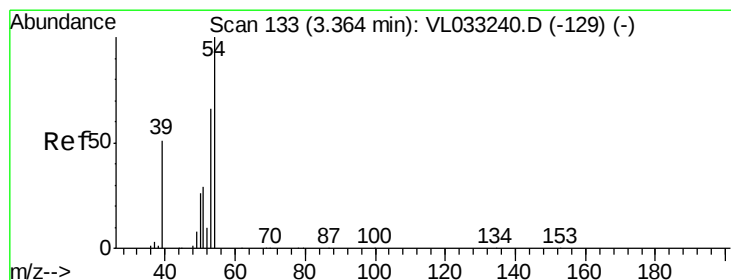
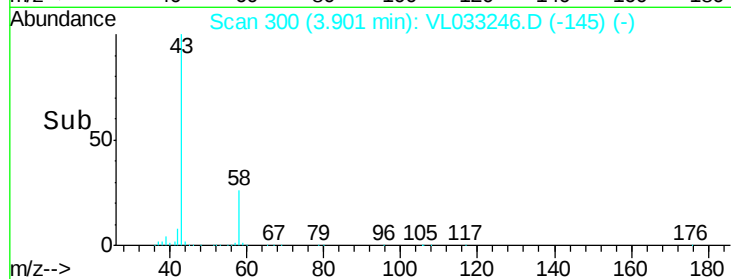
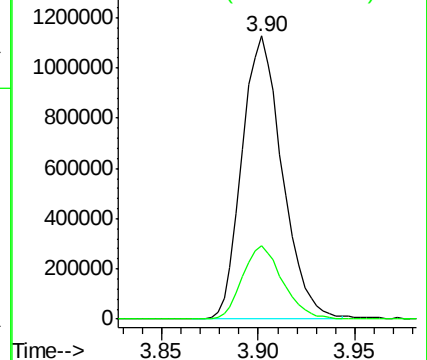
43 100

58 26.0 20.2 30.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 15.292 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033246.D

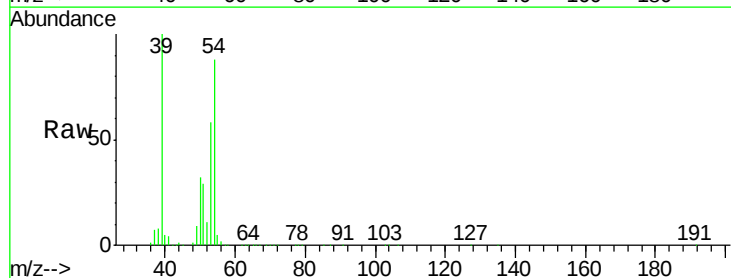
Acq: 6 Mar 2019 5:52

Tgt Ion: 39 Resp: 806159

Ion Ratio Lower Upper

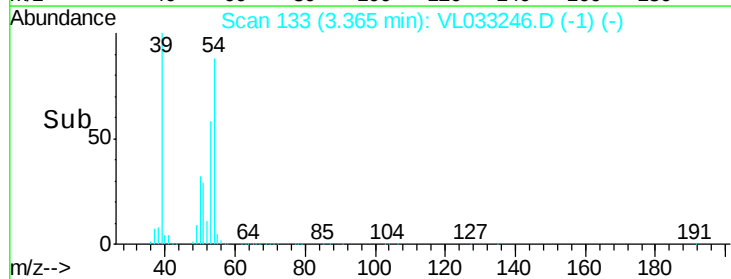
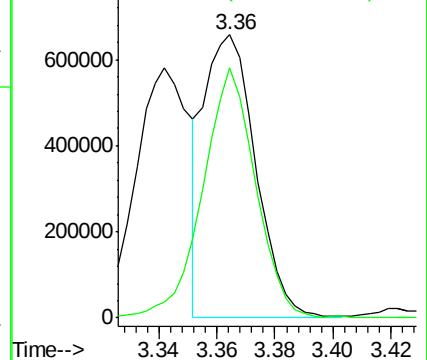
39 100

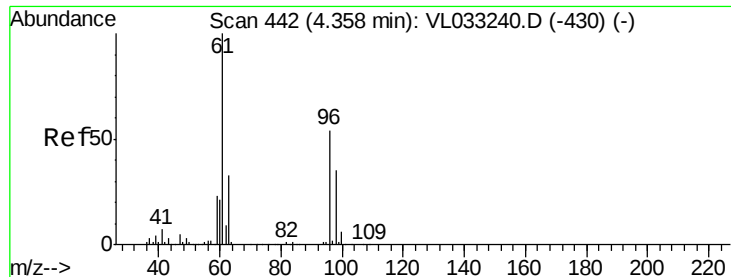
54 92.0 69.6 104.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 12.730 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL033246.D

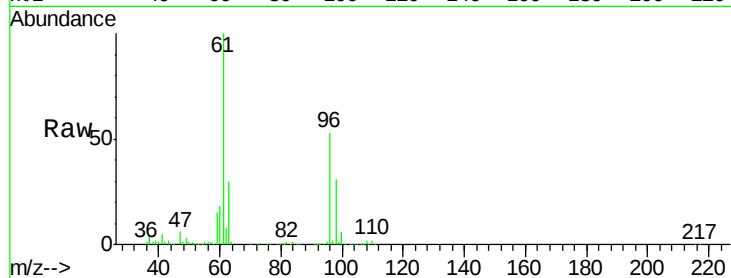
Acq: 6 Mar 2019 5:52

Tot Ion: 59 Resp: 272600

Ion Ratio Lower Upper

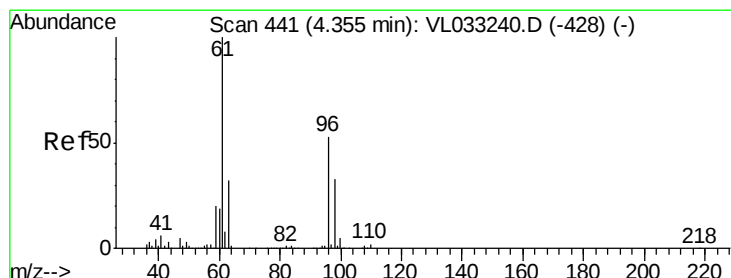
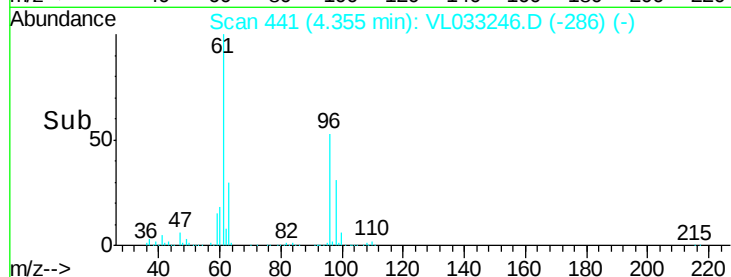
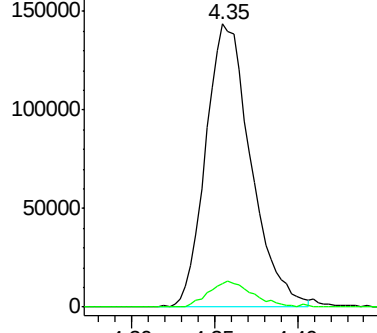
59 100

57 9.2 7.5 11.3



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 16.038 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

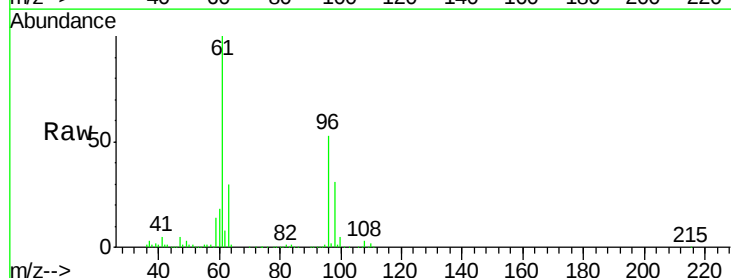
Tgt Ion: 96 Resp: 750902

Ion Ratio Lower Upper

96 100

61 188.6 150.2 225.2

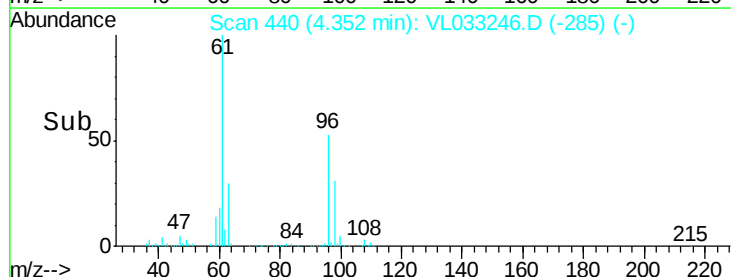
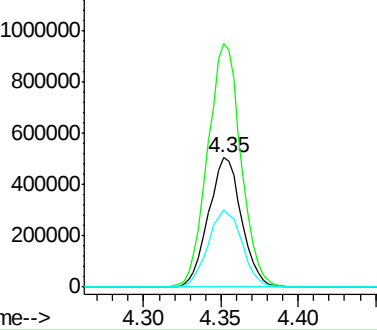
98 59.4 49.2 73.8

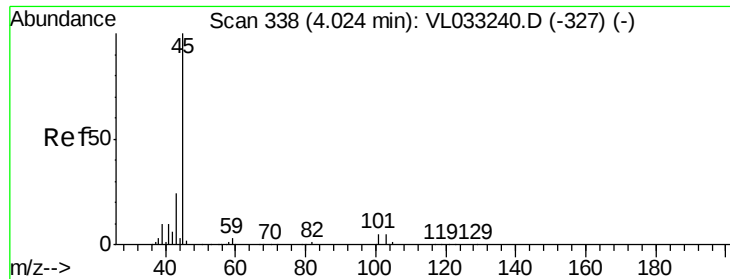


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

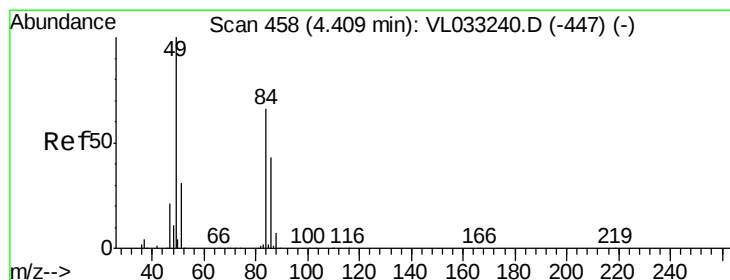
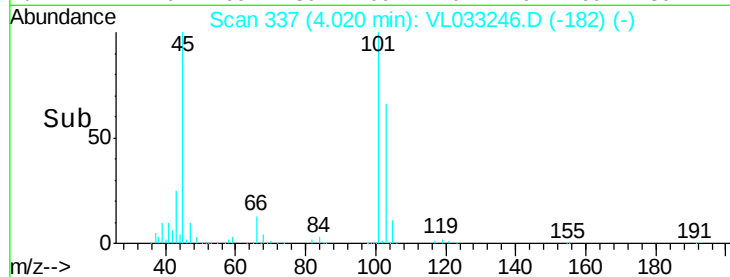
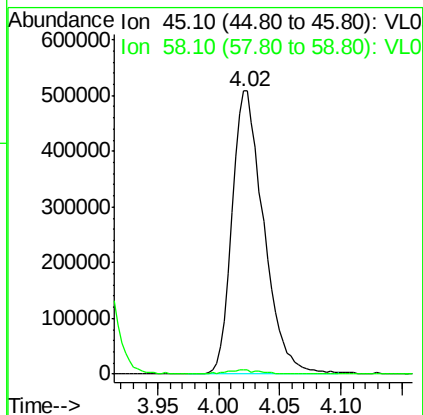
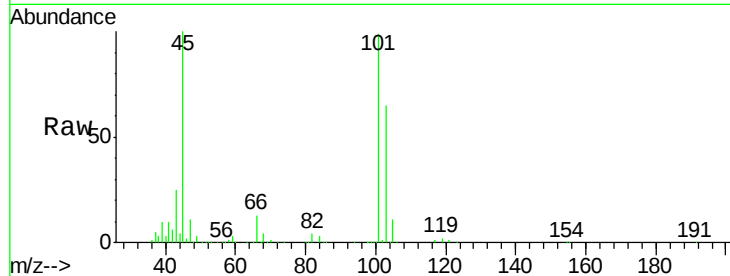




#19

Isopropyl Alcohol
 Concen: 11.867 ppbv
 RT: 4.02 min Scan# 337
 Delta R.T. -0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

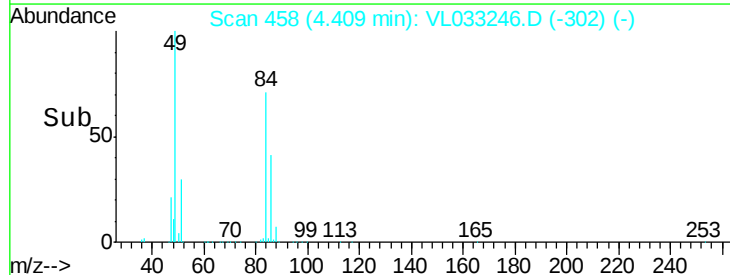
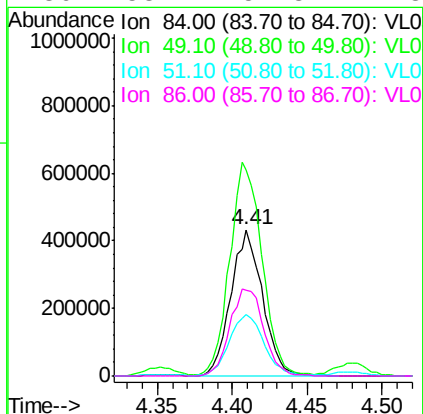
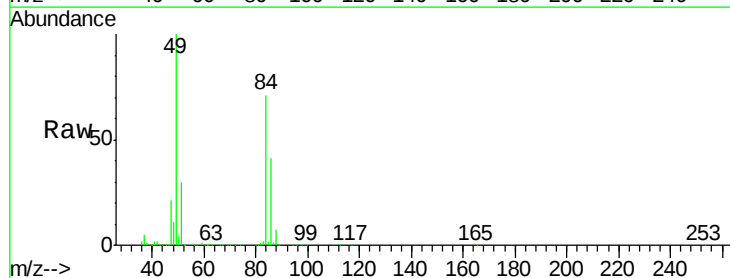
Tot Ion: 45 Resp: 919330
 Ion Ratio Lower Upper
 45 100
 58 1.6 1.4 2.0

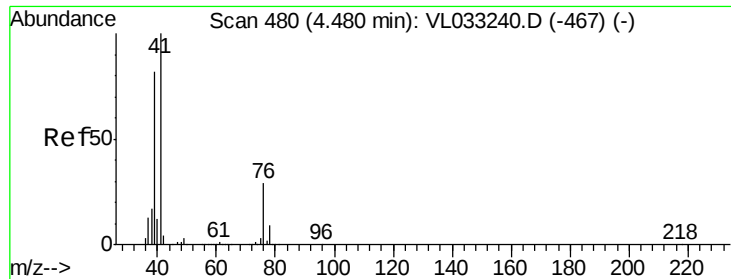


#20

Methylene Chloride
 Concen: 14.336 ppbv
 RT: 4.41 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

Tgt Ion: 84 Resp: 632953
 Ion Ratio Lower Upper
 84 100
 49 140.0 120.4 180.6
 51 42.2 36.7 55.1
 86 58.4 51.8 77.8

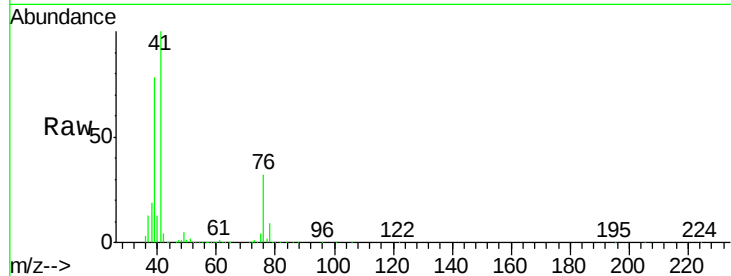




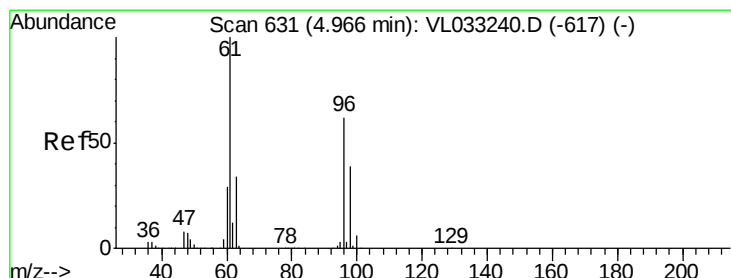
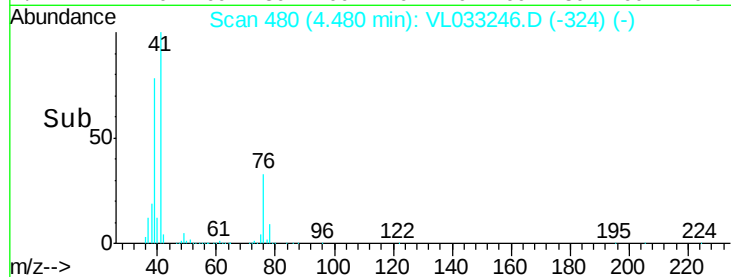
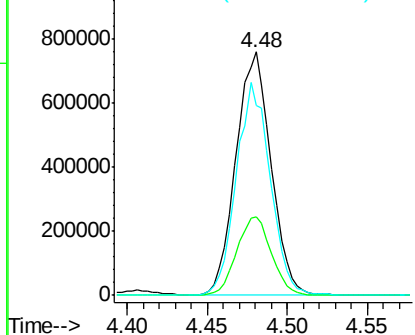
#21
Allvl Chloride
Concen: 15.496 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

Tot Ion: 41 Resp: 1127276

Ion	Ratio	Lower	Upper
41	100		
76	31.7	24.6	36.8
39	84.8	65.2	97.8



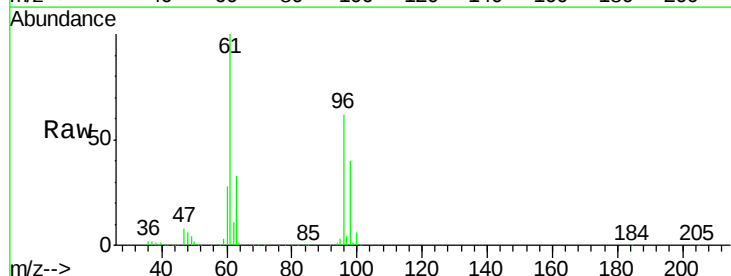
Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



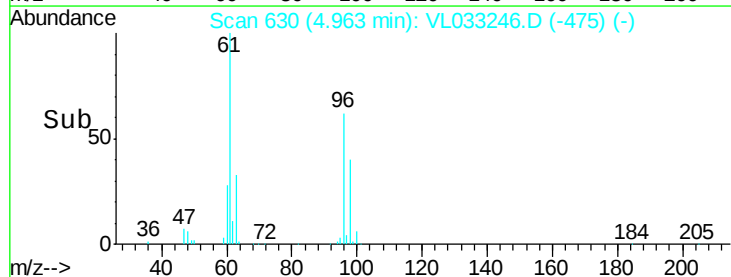
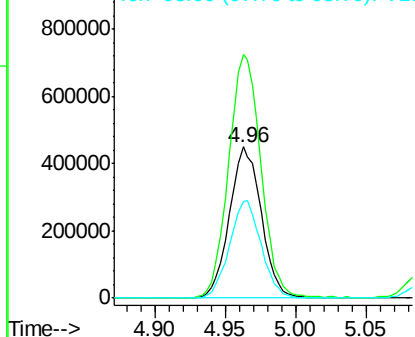
#22
trans-1,2-Dichloroethene
Concen: 15.247 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

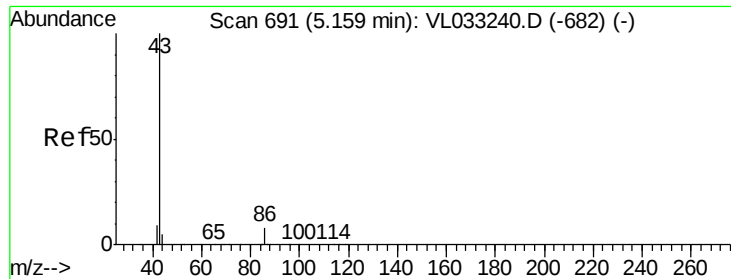
Tgt Ion: 96 Resp: 714062

Ion	Ratio	Lower	Upper
96	100		
61	161.1	128.3	192.5
98	63.8	50.6	75.8



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 14.273 ppbv

RT: 5.16 min Scan# 690

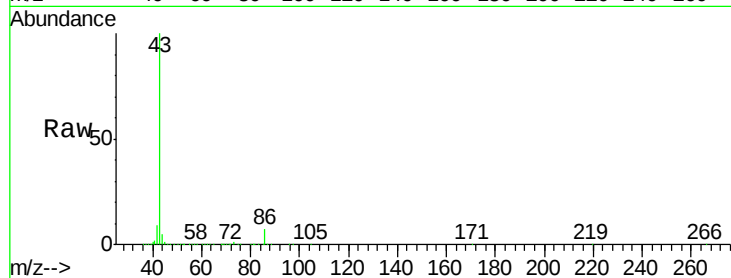
Delta R.T. -0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tot Ion: 43 Resp: 2790102

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.5	8.3
42	9.3	7.7	11.5
44	5.1	4.1	6.1

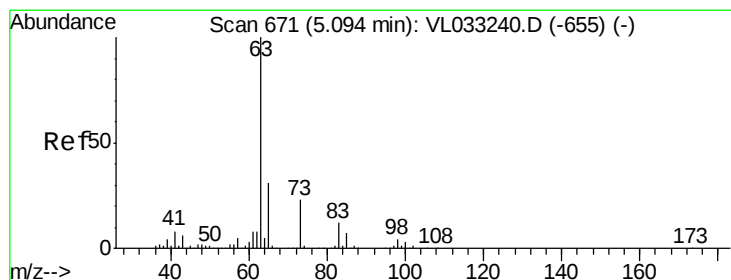
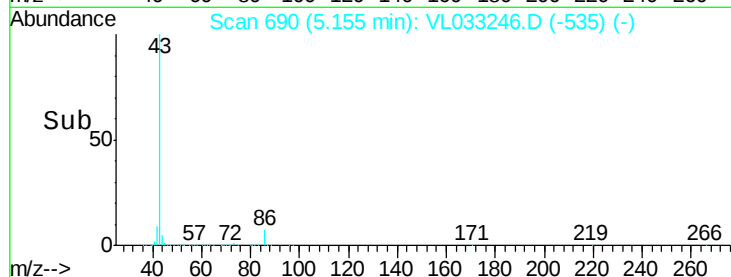
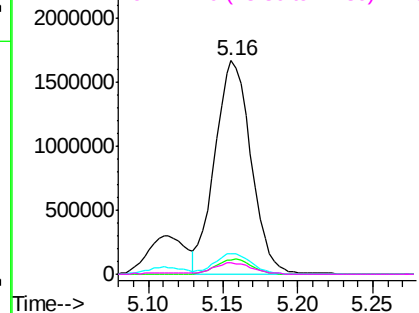


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 13.465 ppbv

RT: 5.09 min Scan# 670

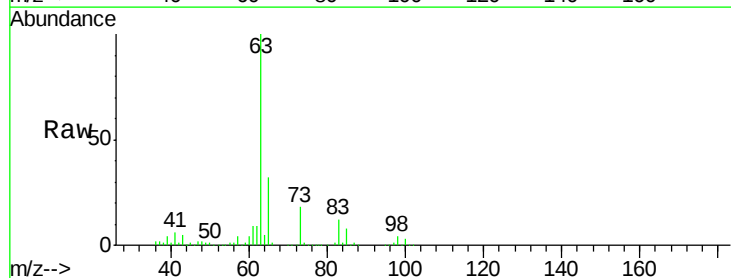
Delta R.T. -0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tgt Ion: 63 Resp: 1874309

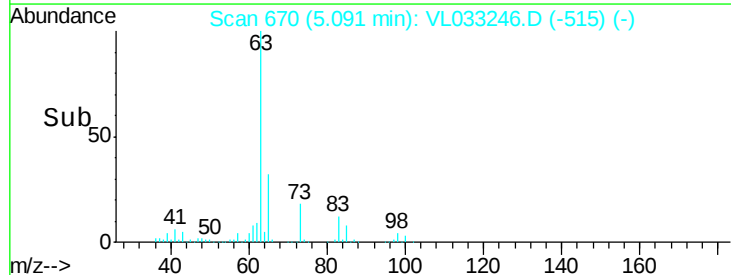
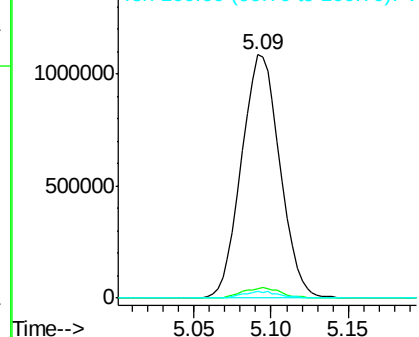
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.3
100	2.7	1.3	3.8

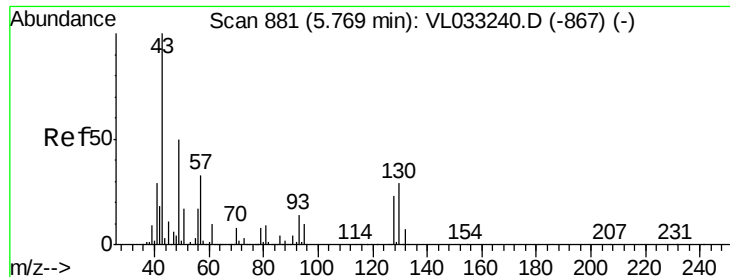


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

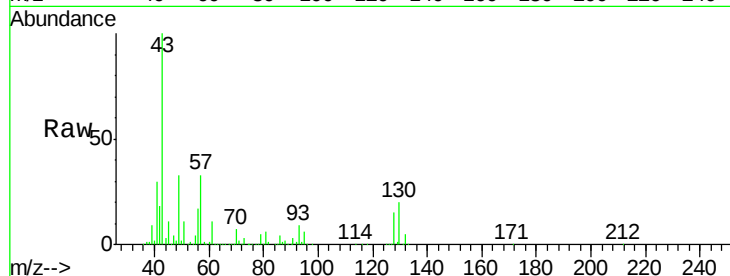




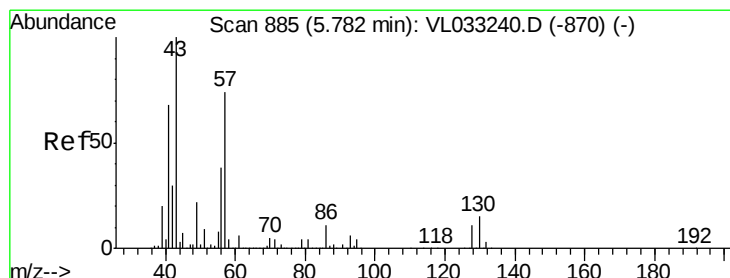
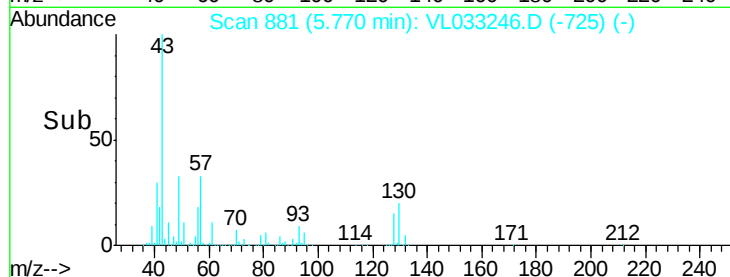
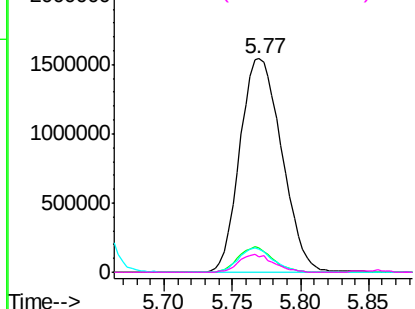
#25
Ethyl Acetate
Concen: 12.878 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

Tot Ion: 43 Resp: 3282220

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.2	7.0	10.6
70	7.0	5.5	8.3



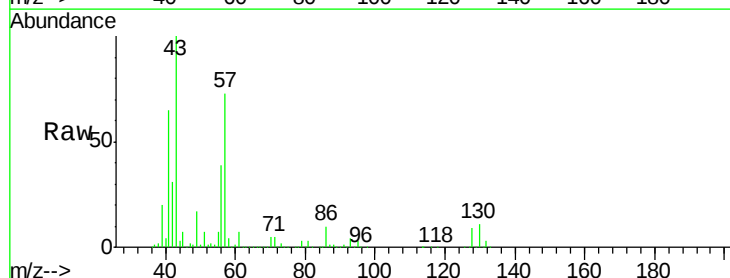
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



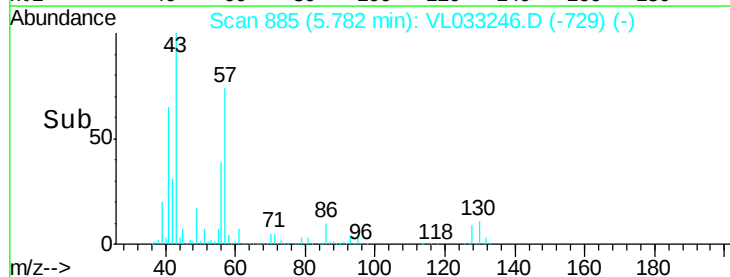
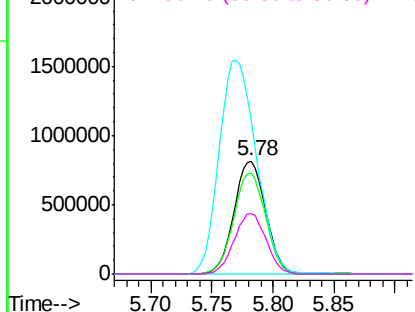
#26
Hexane
Concen: 12.313 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

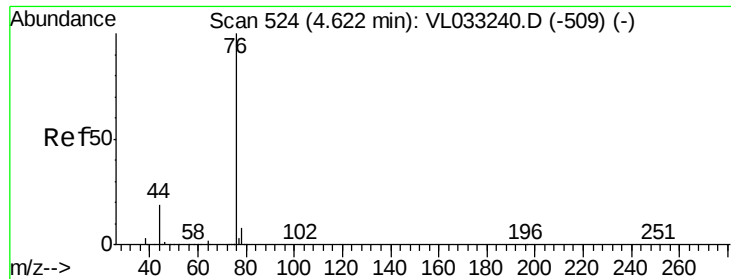
Tgt Ion: 57 Resp: 1465705

Ion	Ratio	Lower	Upper
57	100		
41	90.4	73.4	110.2
43	225.0	182.1	273.1
56	53.9	42.6	64.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 16.497 ppbv

RT: 4.62 min Scan# 523

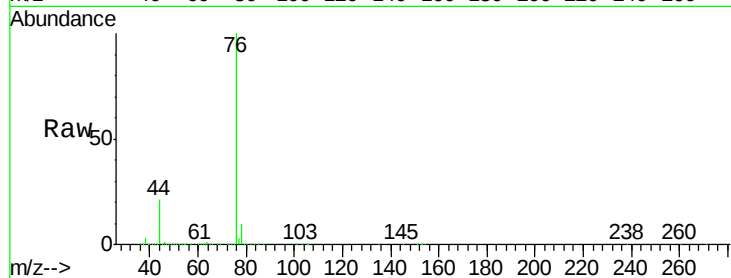
Delta R.T. -0.00 min

Lab File: VL033246.D

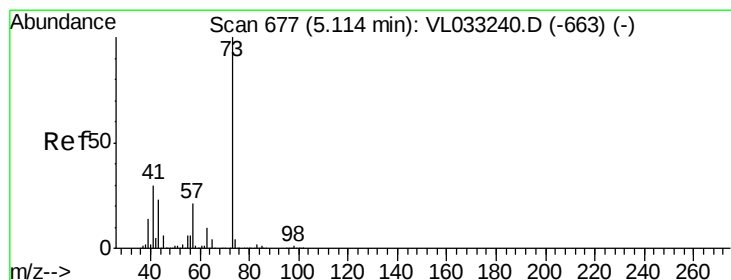
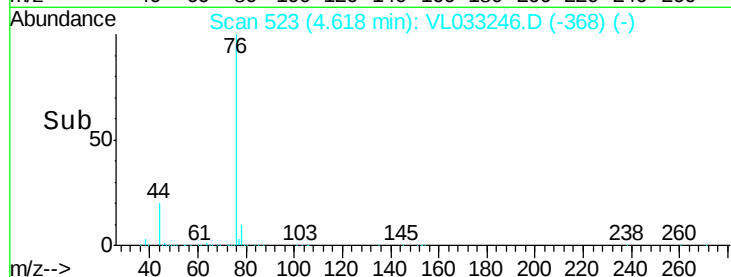
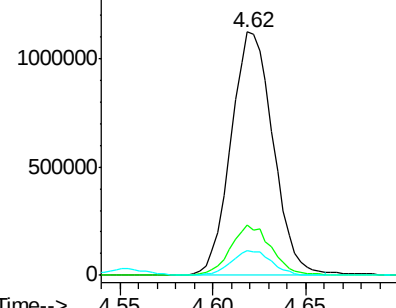
Acq: 6 Mar 2019 5:52

Tot Ion: 76 Resp: 1766531

Ion	Ratio	Lower	Upper
76	100		
44	19.9	15.0	22.6
78	9.6	7.3	10.9



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 13.257 ppbv

RT: 5.11 min Scan# 677

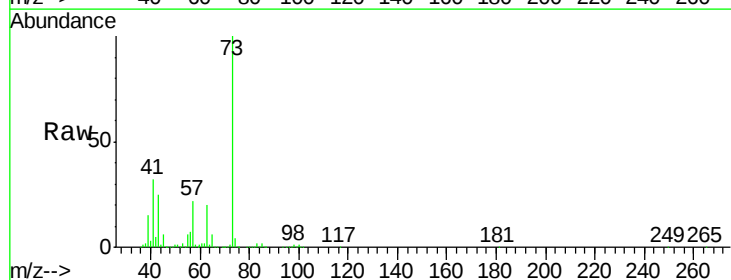
Delta R.T. 0.00 min

Lab File: VL033246.D

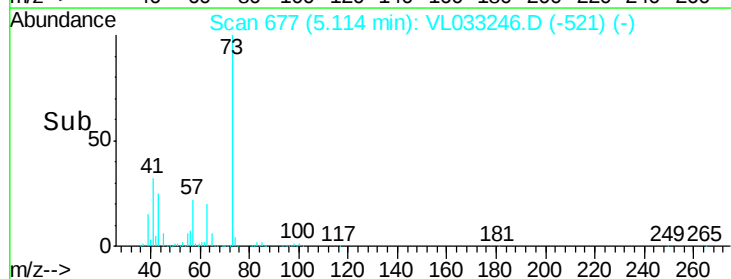
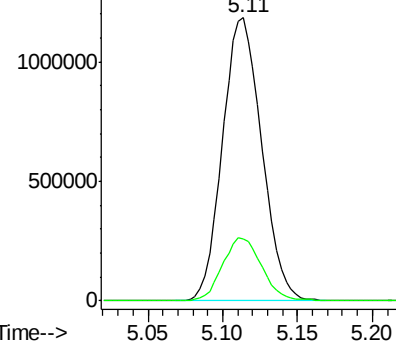
Acq: 6 Mar 2019 5:52

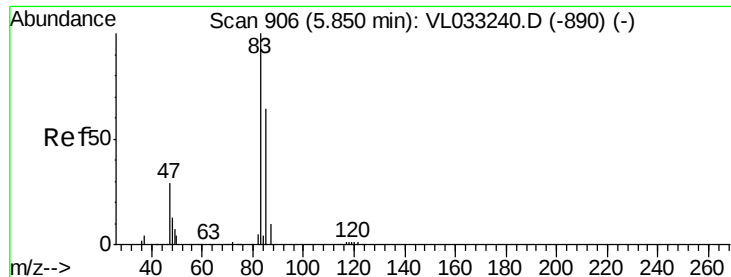
Tgt Ion: 73 Resp: 2160440

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.6	26.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 13.260 ppbv

RT: 5.85 min Scan# 906

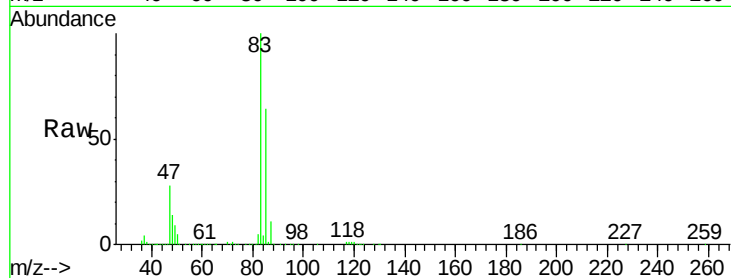
Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tot Ion: 83 Resp: 2421659

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.2	76.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.85

1500000

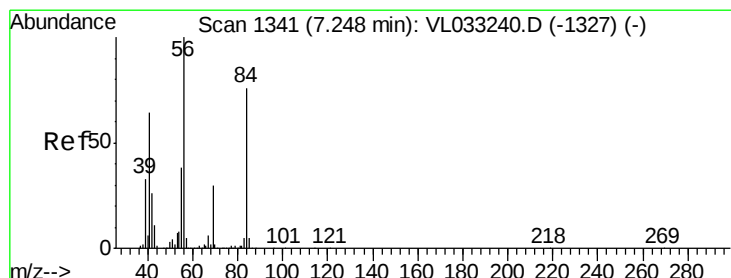
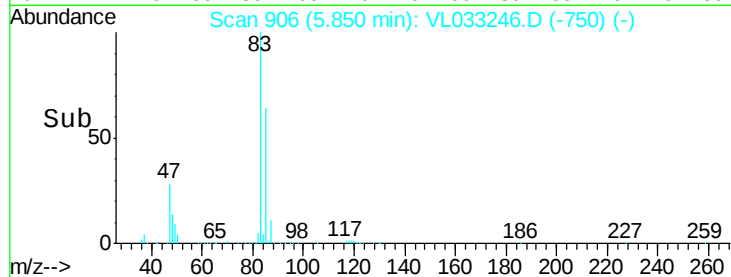
1000000

500000

0

Time-->

5.75 5.80 5.85 5.90 5.95



#30

Cyclohexane

Concen: 11.279 ppbv

RT: 7.25 min Scan# 1341

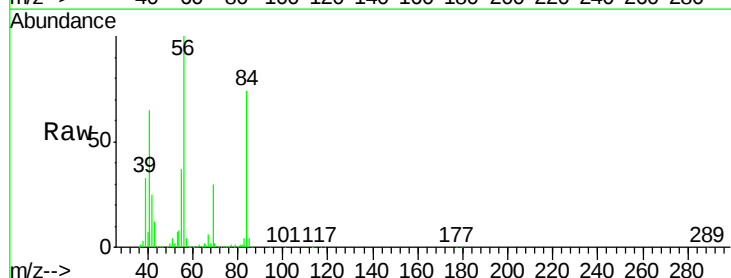
Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tgt Ion: 84 Resp: 1200649

Ion	Ratio	Lower	Upper
84	100		
56	139.5	113.1	169.7
41	89.0	70.8	106.2



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

7.25

1000000

800000

600000

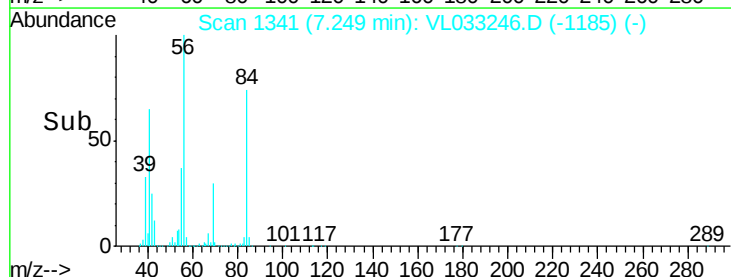
400000

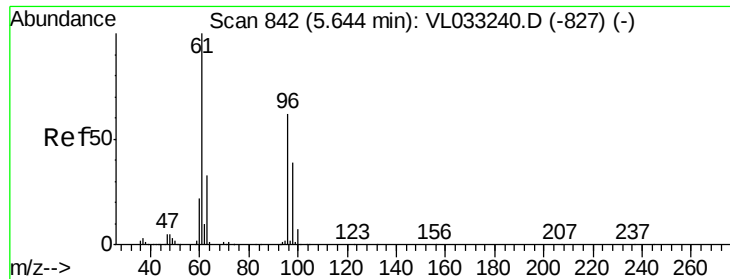
200000

0

Time-->

7.15 7.20 7.25 7.30



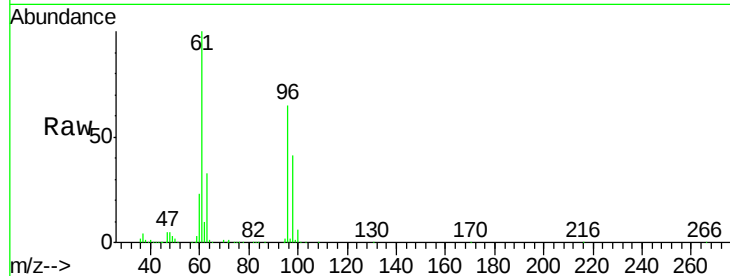


#31

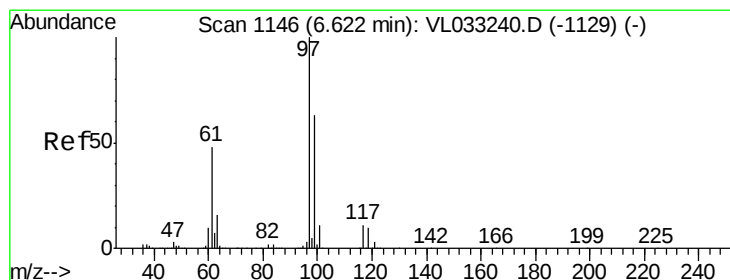
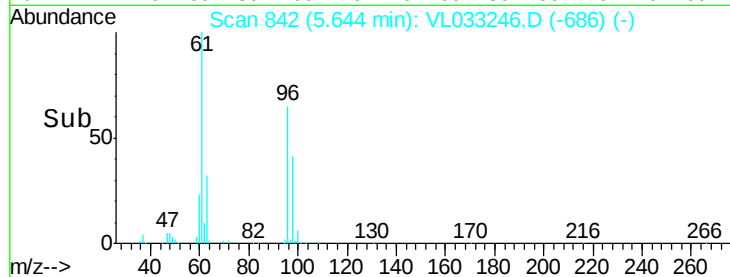
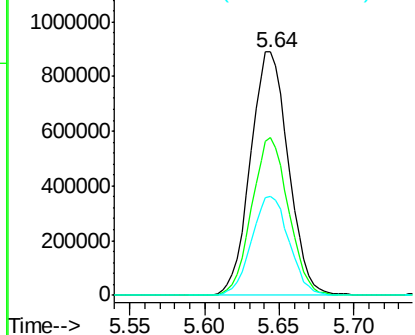
cis-1,2-Dichloroethene
 Concen: 13.163 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

Tot Ion: 61 Resp: 1566862

Ion	Ratio	Lower	Upper
61	100		
96	64.7	49.4	74.0
98	40.5	31.2	46.8



Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0

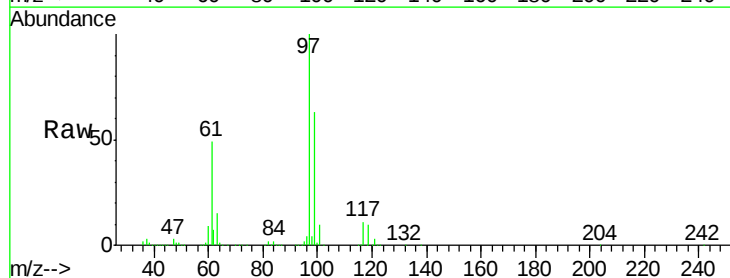


#32

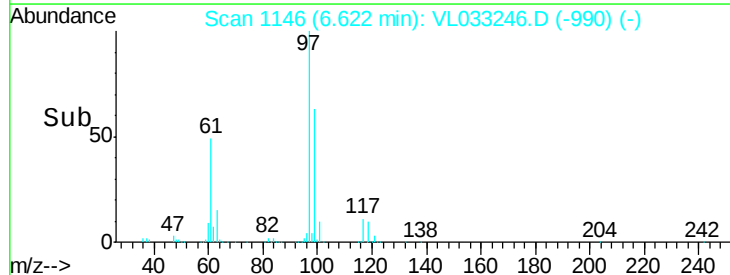
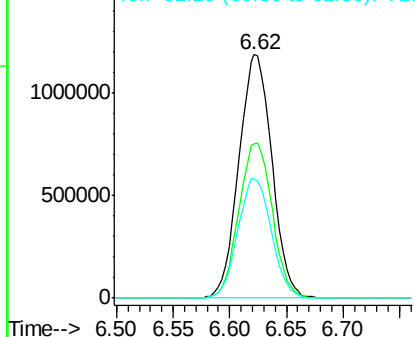
1,1,1-Trichloroethane
 Concen: 11.985 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

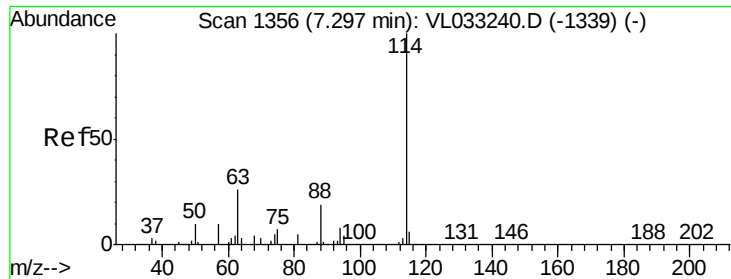
Tgt Ion: 97 Resp: 2417551

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	49.9	40.1	60.1



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1356

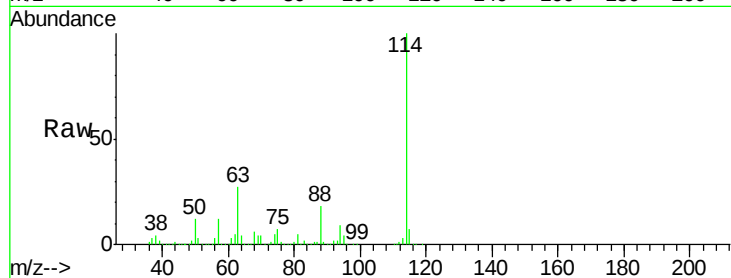
Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tot Ion:114 Resp: 2258001

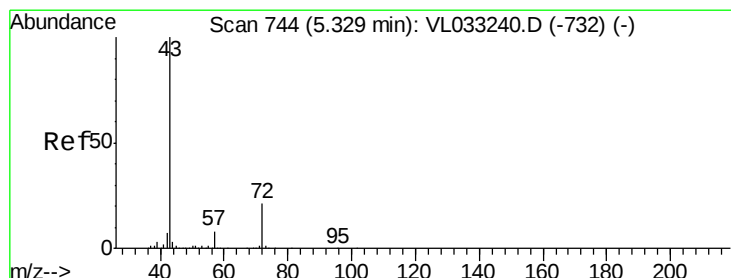
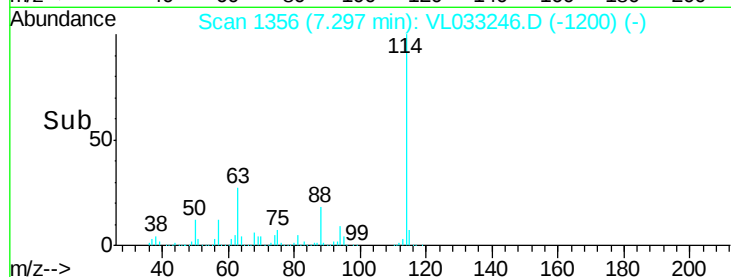
Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.0	33.0
88	18.4	15.0	22.4



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 15.291 ppbv

RT: 5.33 min Scan# 744

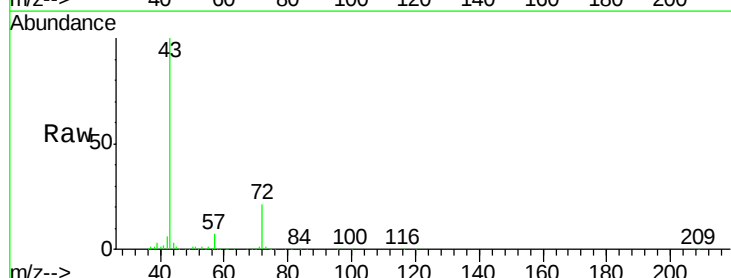
Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

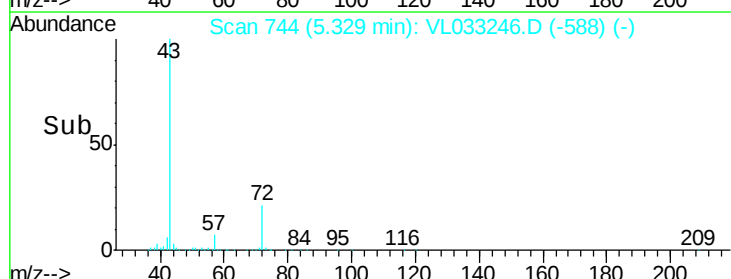
Tgt Ion: 43 Resp: 2268401

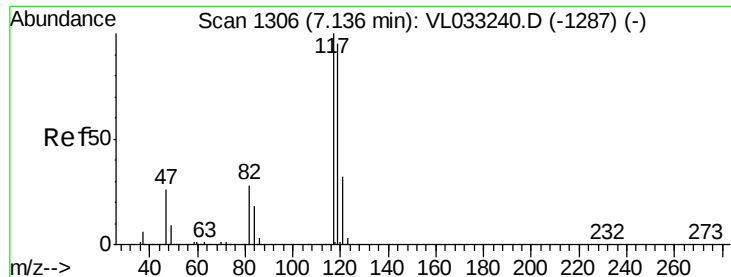
Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.1	25.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 13.977 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

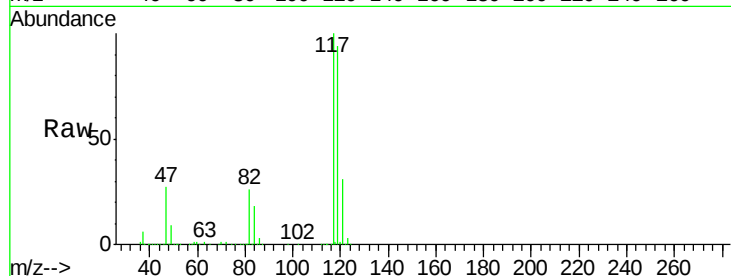
Tot Ion:117 Resp: 2433550

Ion Ratio Lower Upper

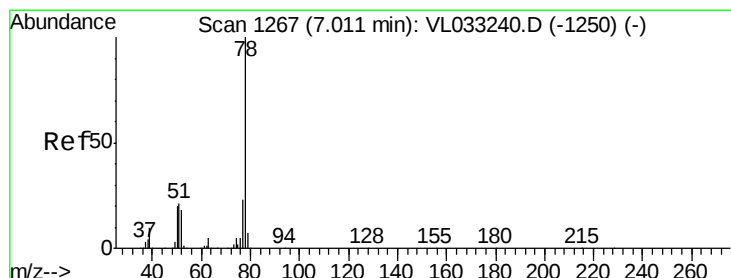
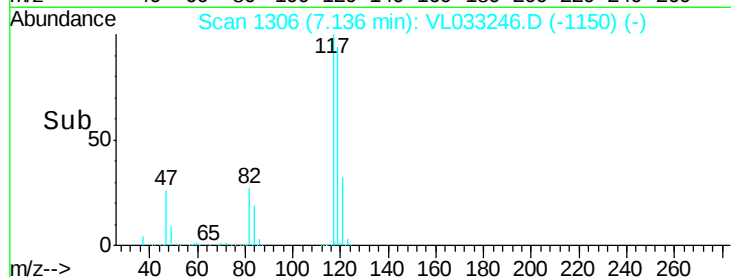
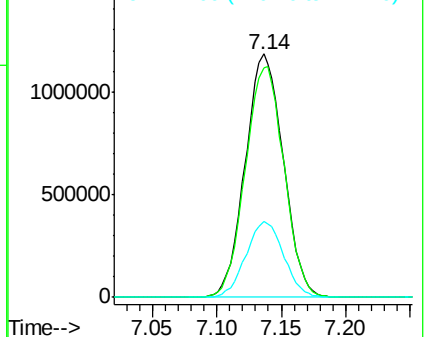
117 100

119 94.3 75.8 113.6

121 31.2 25.6 38.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 13.020 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

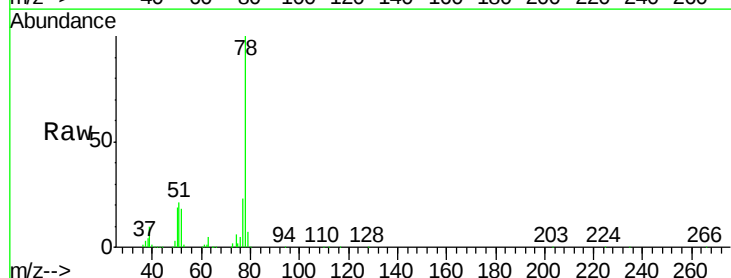
Tgt Ion: 78 Resp: 3038846

Ion Ratio Lower Upper

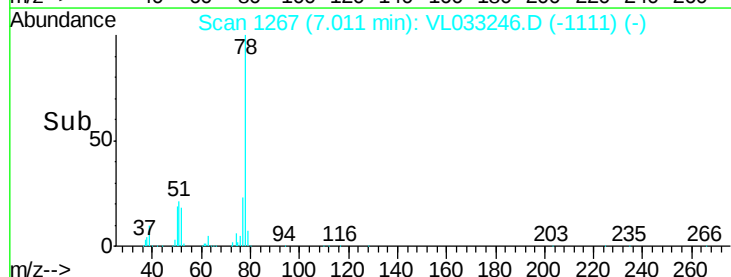
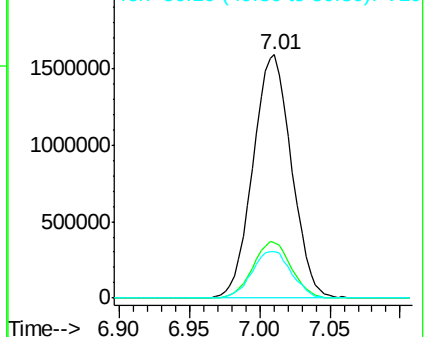
78 100

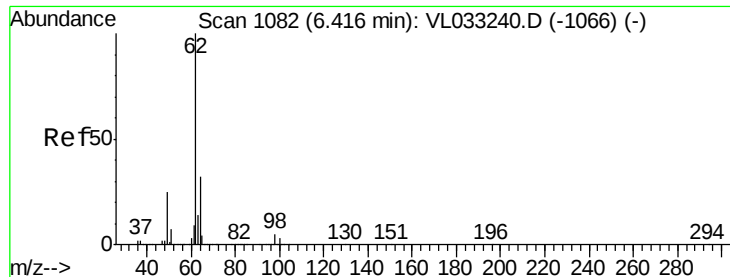
77 22.6 18.0 27.0

50 19.2 16.2 24.4



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 14.328 ppbv

RT: 6.42 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VL033246.D

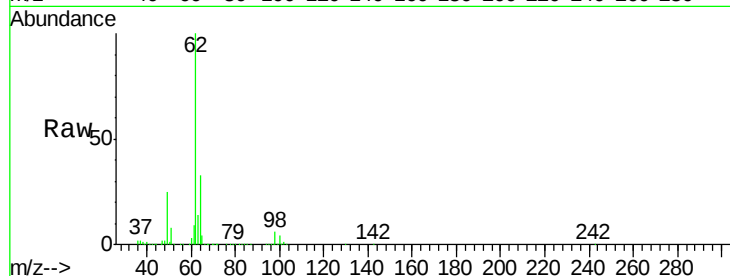
Acq: 6 Mar 2019 5:52

Tot Ion: 62 Resp: 1895660

Ion Ratio Lower Upper

62 100

98 5.6 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1200000

1000000

800000

600000

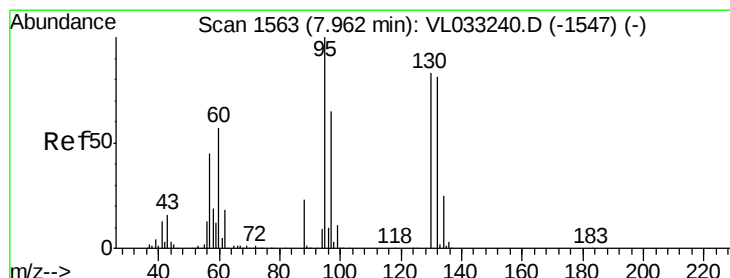
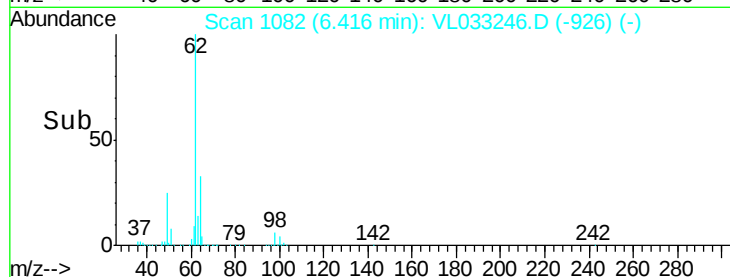
400000

200000

0

6.35 6.40 6.45 6.50

Time-->



#38

Trichloroethene

Concen: 11.474 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tgt Ion: 130 Resp: 1128947

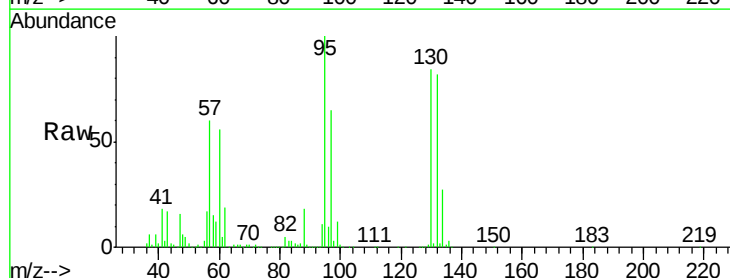
Ion Ratio Lower Upper

130 100

95 119.0 95.7 143.5

132 97.0 77.4 116.2

97 77.6 62.5 93.7



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

1000000

800000

600000

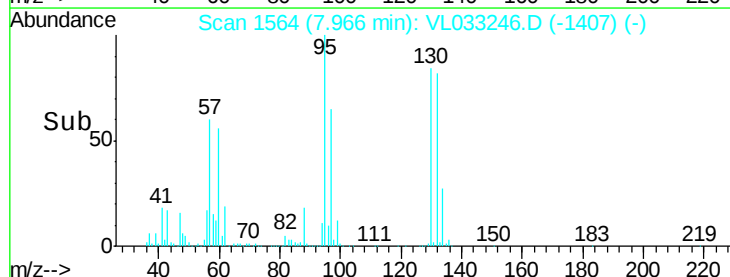
400000

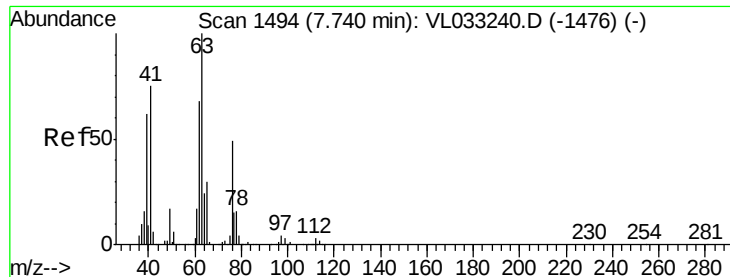
200000

0

7.90 7.95 8.00 8.05

Time-->





#39

1,2-Dichloropropane

Concen: 12.892 ppbv

RT: 7.74 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

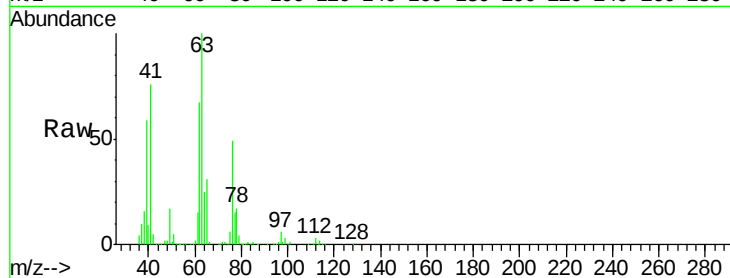
Tot Ion: 63 Resp: 1168113

Ion Ratio Lower Upper

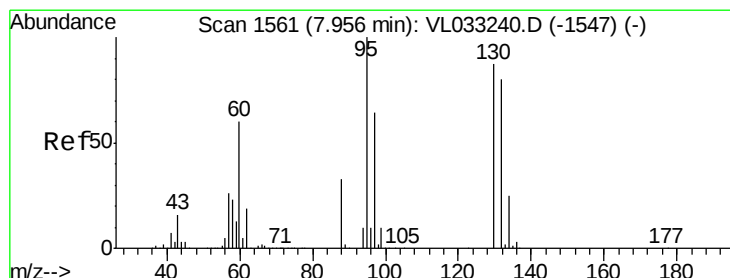
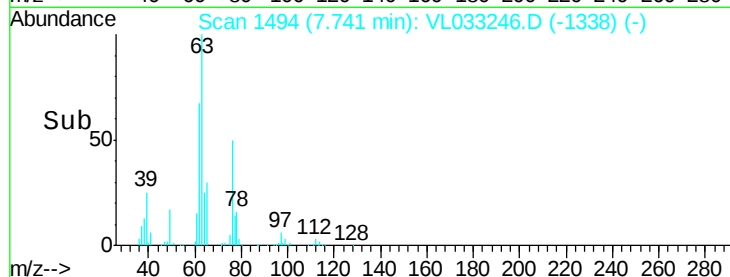
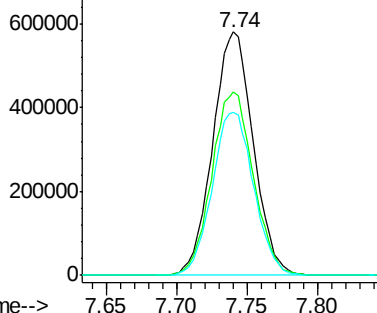
63 100

41 75.5 60.0 90.0

62 66.9 54.2 81.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.865 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tgt Ion: 88 Resp: 355935

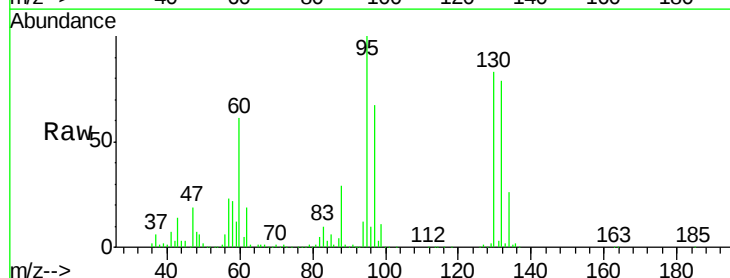
Ion Ratio Lower Upper

88 100

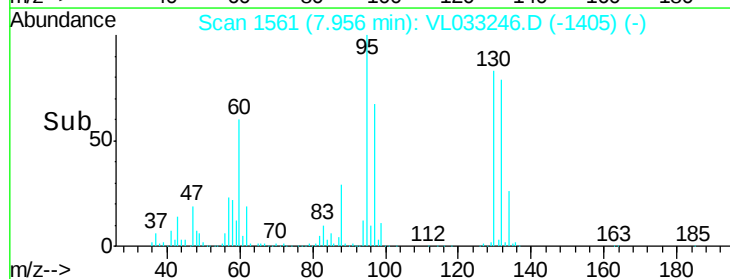
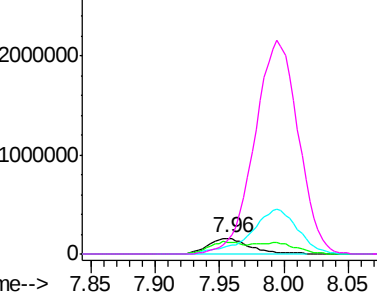
58 72.0 105.1 157.7#

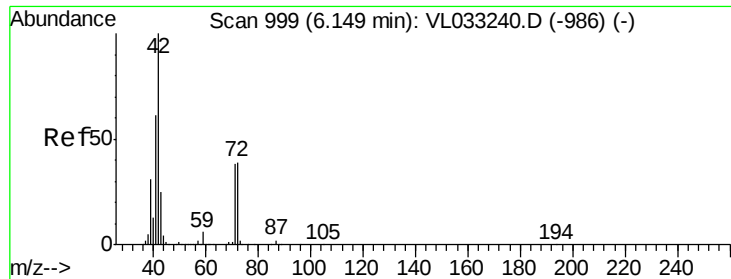
43 0.0 0.0 0.0

57 0.0 0.0 0.0



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 14.264 ppbv

RT: 6.15 min Scan# 998

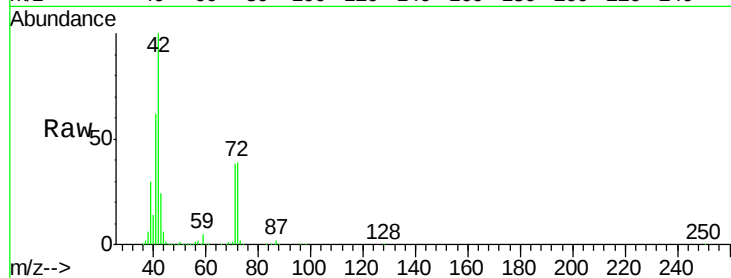
Delta R.T. -0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tot Ion: 42 Resp: 1301050

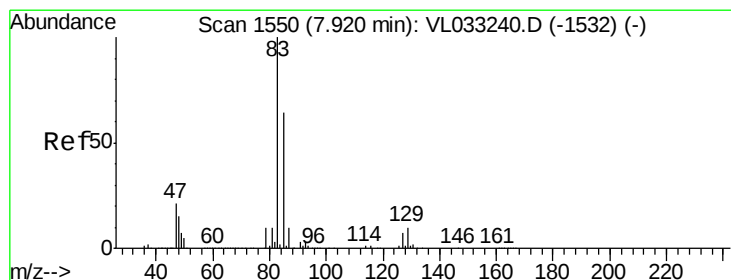
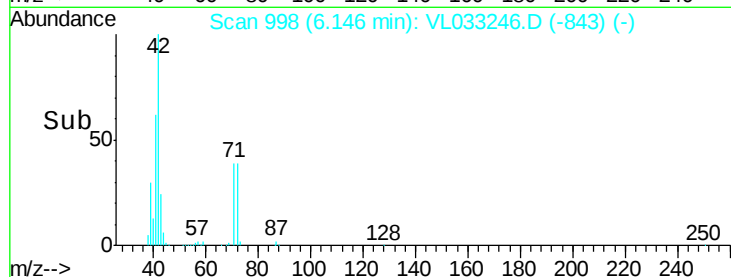
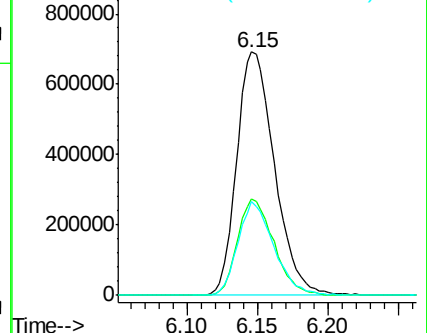
Ion	Ratio	Lower	Upper
42	100		
72	38.5	30.2	45.4
71	36.6	29.6	44.4



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 14.378 ppbv

RT: 7.92 min Scan# 1550

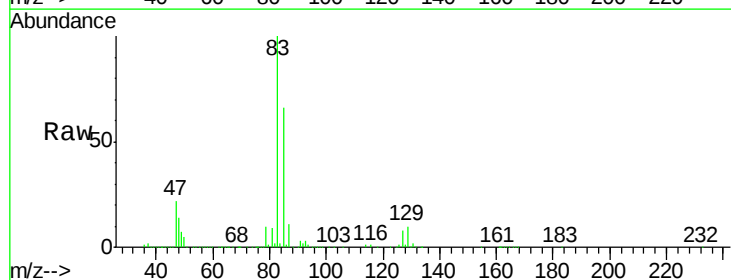
Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tgt Ion: 83 Resp: 2682411

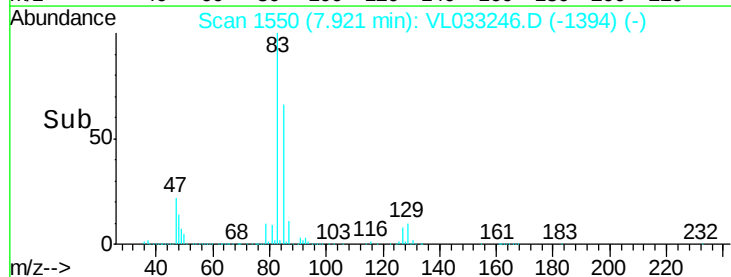
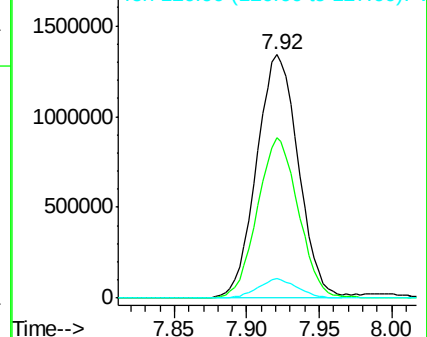
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3
127	8.1	5.9	8.9

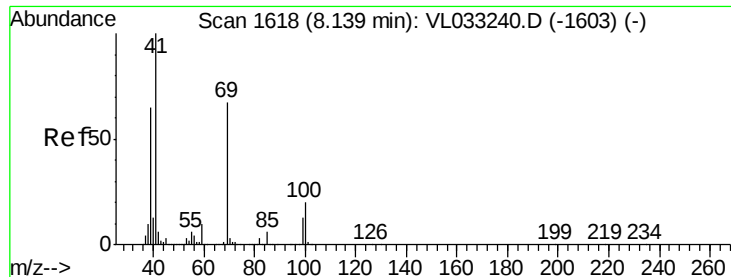


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 13.938 ppbv

RT: 8.14 min Scan# 1618

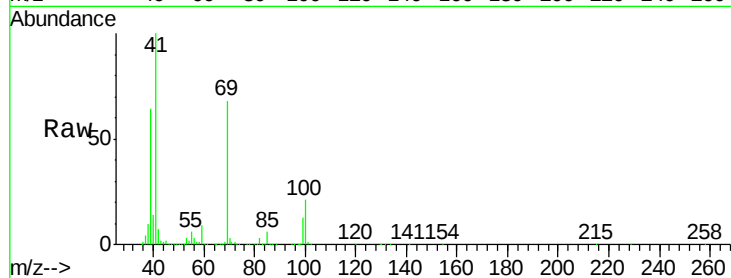
Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tot Ion: 69 Resp: 1287435

Ion	Ratio	Lower	Upper
69	100		
41	150.1	120.9	181.3
100	30.1	24.4	36.6

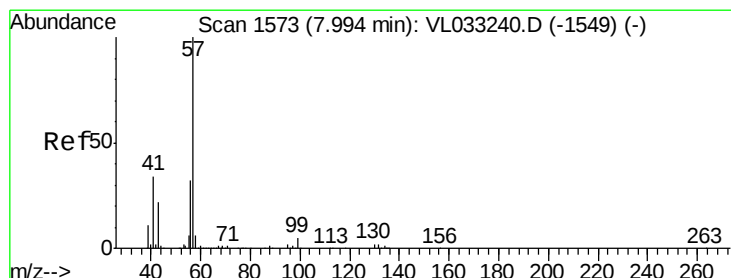
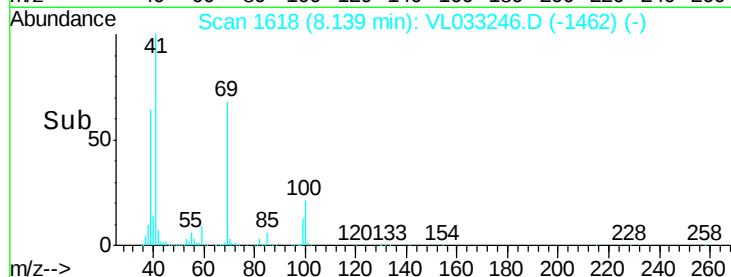
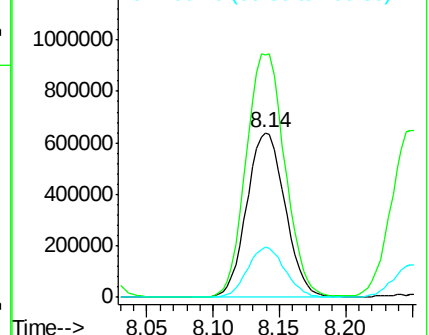


Abundance

Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 12.982 ppbv

RT: 7.99 min Scan# 1573

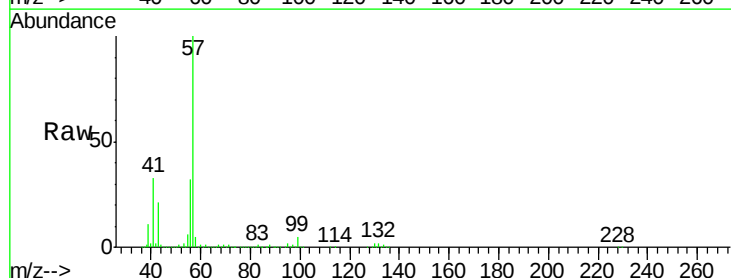
Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tgt Ion: 57 Resp: 5087206

Ion	Ratio	Lower	Upper
57	100		
41	32.7	26.1	39.1
56	31.4	24.7	37.1

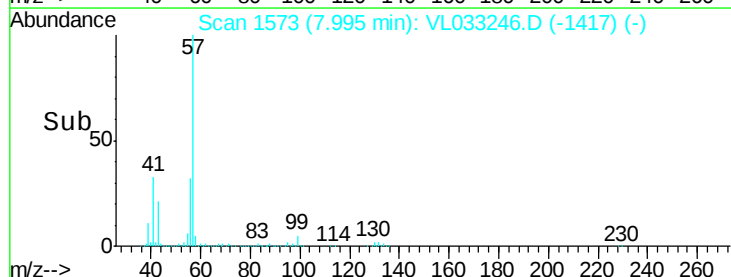
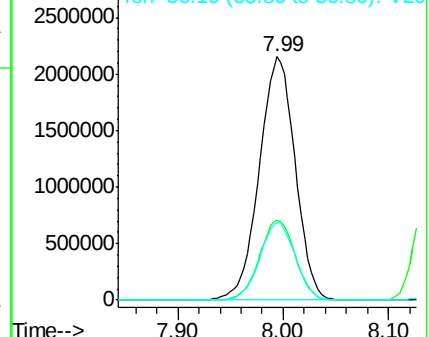


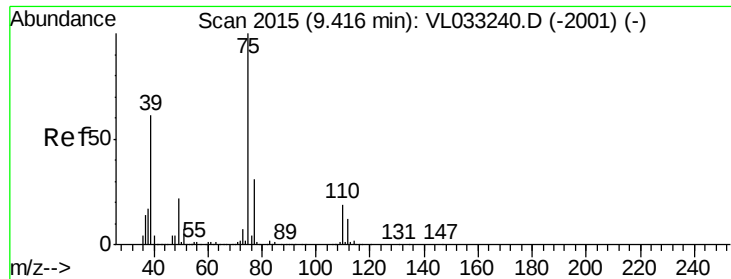
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 17.153 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VL033246.D

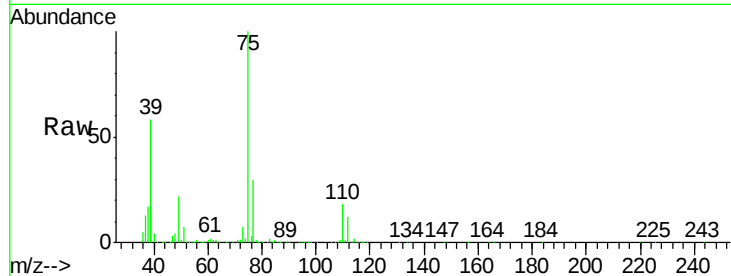
Acq: 6 Mar 2019 5:52

Tot Ion: 75 Resp: 1763787

Ion Ratio Lower Upper

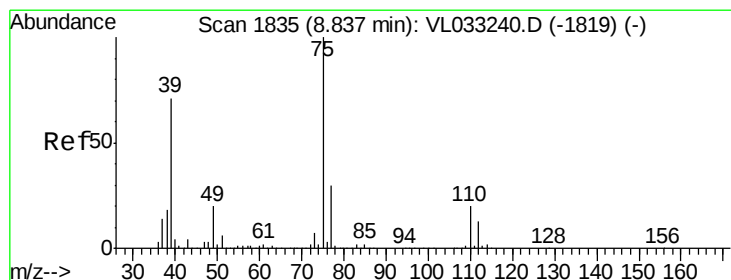
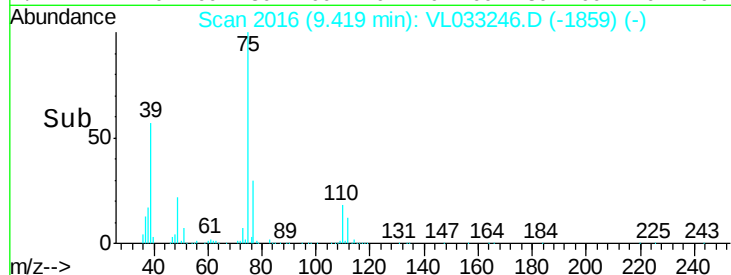
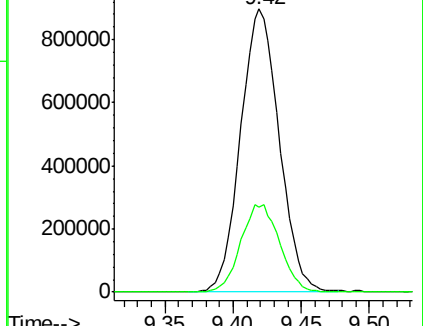
75 100

77 30.2 24.7 37.1



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 15.001 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

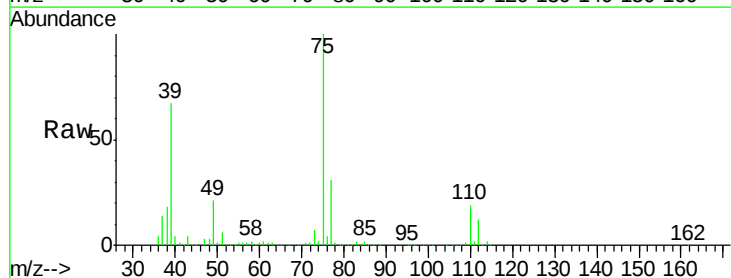
Tgt Ion: 75 Resp: 1964303

Ion Ratio Lower Upper

75 100

39 66.9 57.0 85.6

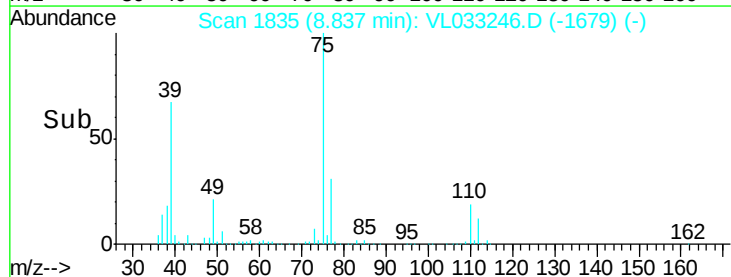
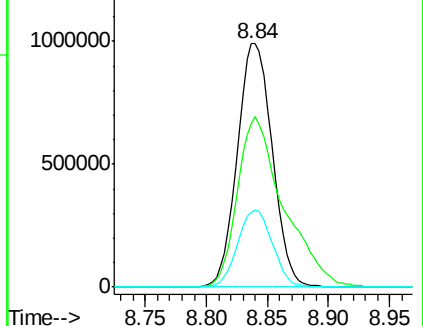
77 30.8 24.0 36.0

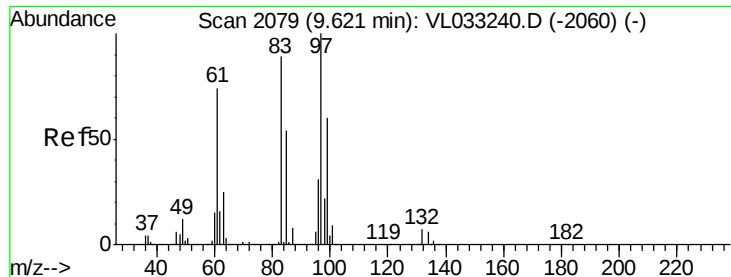


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 13.224 ppbv

RT: 9.62 min Scan# 2078

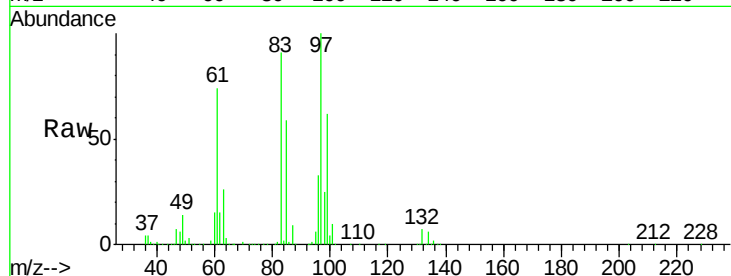
Delta R.T. -0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tot Ion: 97 Resp: 1246214

Ion	Ratio	Lower	Upper
97	100		
83	91.4	71.1	106.7
85	58.7	42.9	64.3
99	61.5	48.2	72.4

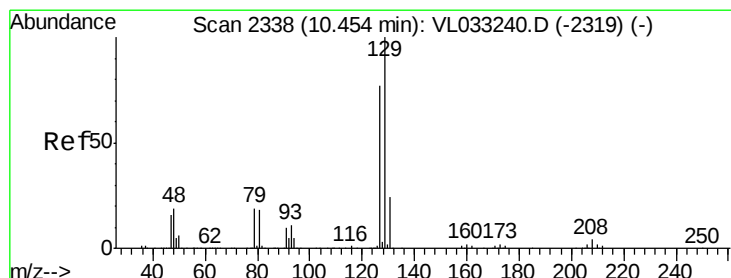
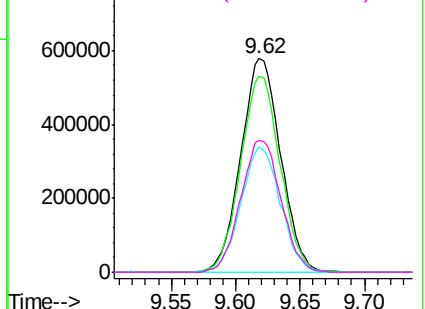
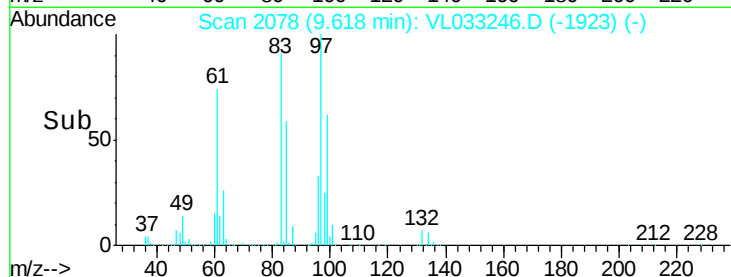


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 14.771 ppbv

RT: 10.46 min Scan# 2339

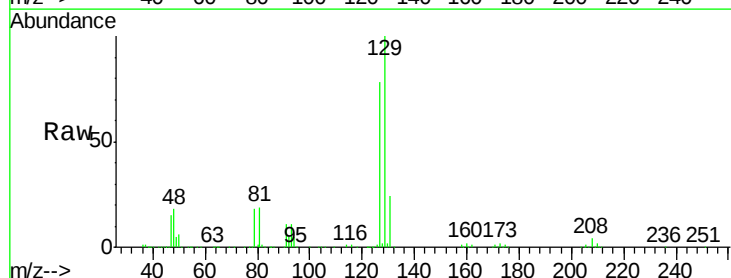
Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

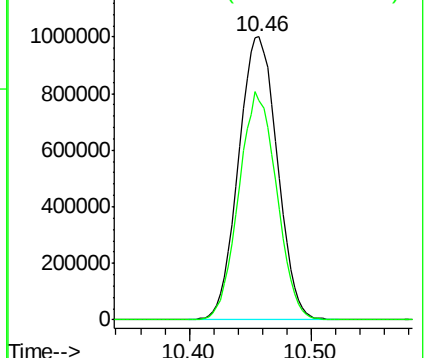
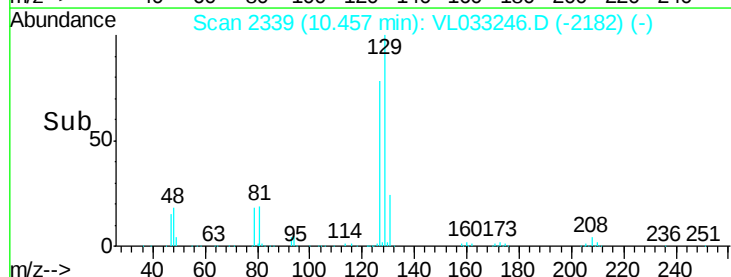
Tgt Ion: 129 Resp: 2201288

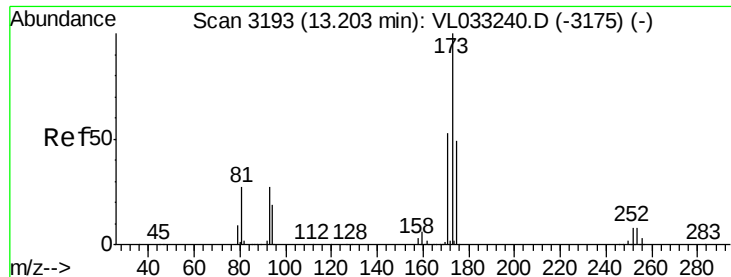
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.0	117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 14.251 ppbv

RT: 13.21 min Scan# 3195

Delta R.T. 0.01 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

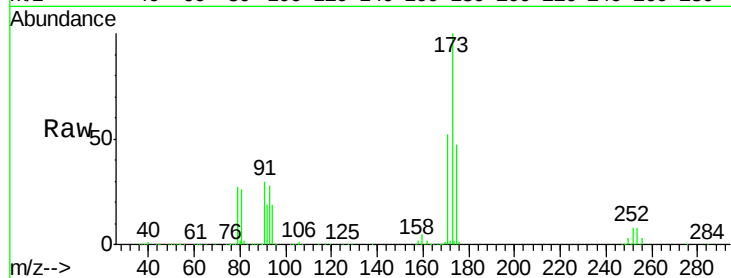
Tot Ion:173 Resp: 1807401

Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.9	58.3
171	52.2	41.4	62.0

173 100

175 49.1 38.9 58.3

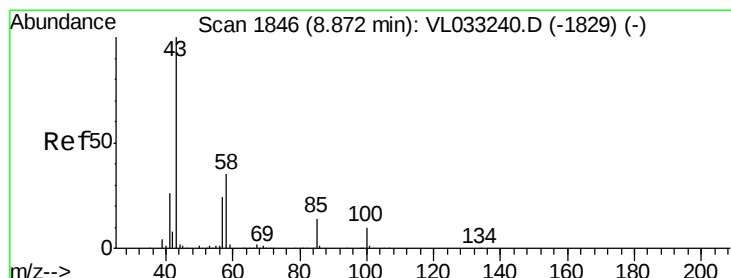
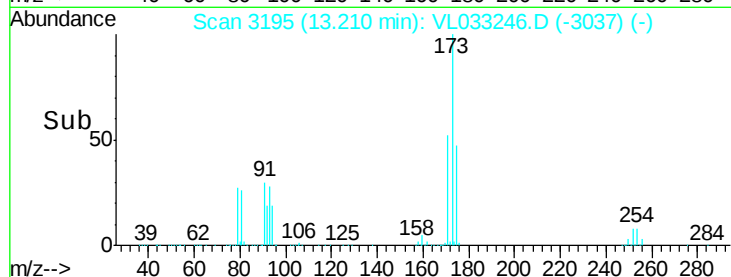
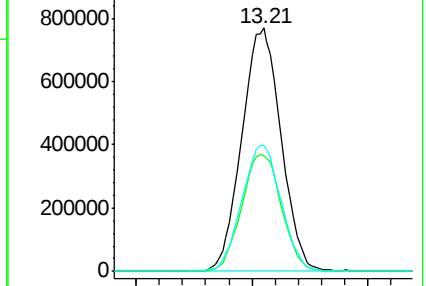
171 52.2 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 13.945 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. 0.00 min

Lab File: VL033246.D

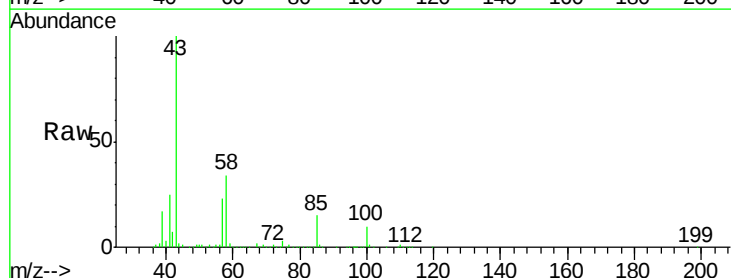
Acq: 6 Mar 2019 5:52

Tgt Ion: 43 Resp: 3248934

Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.8	41.6

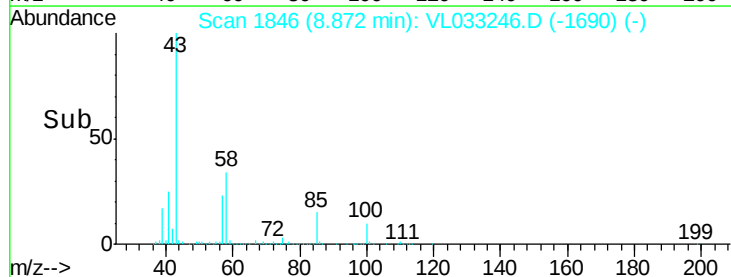
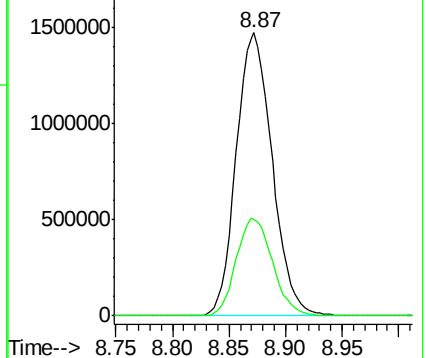
43 100

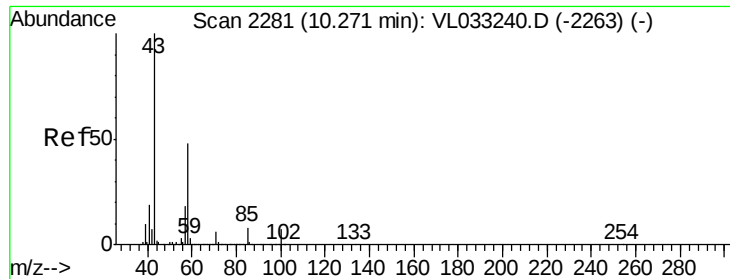
58 35.1 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

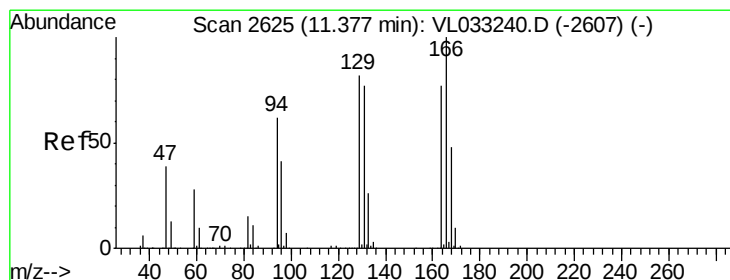
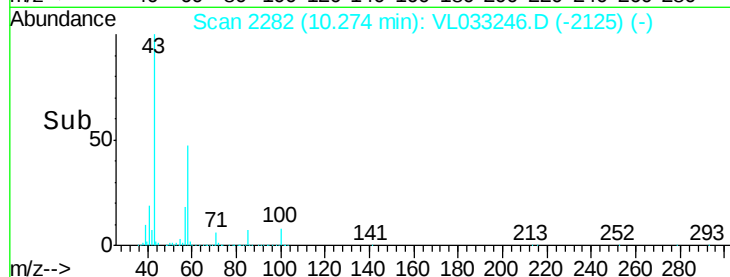
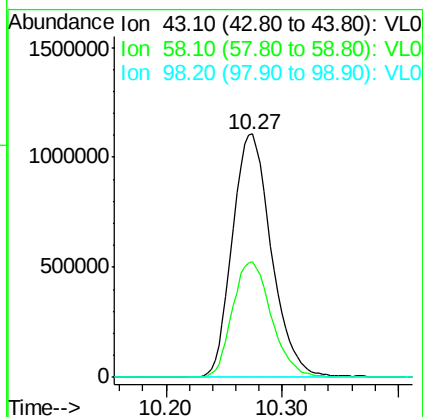
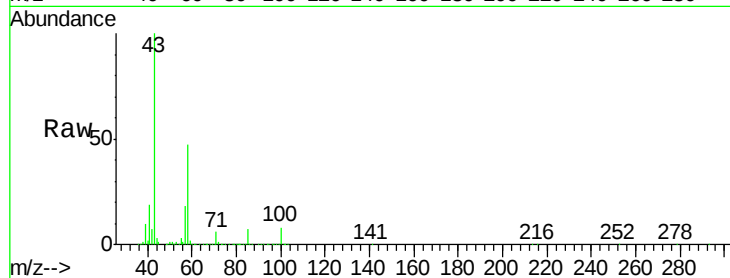
Ion 58.10 (57.80 to 58.80): VL0





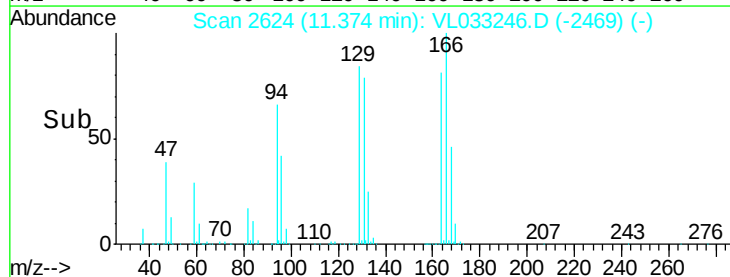
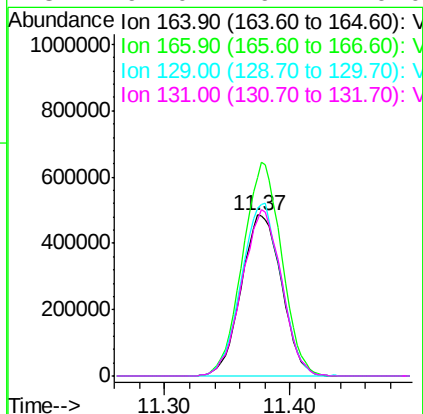
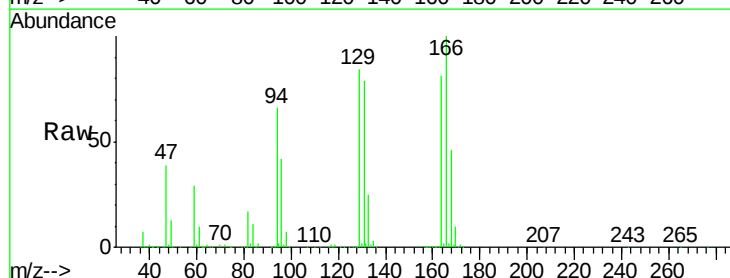
#51
2-Hexanone
Concen: 14.176 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

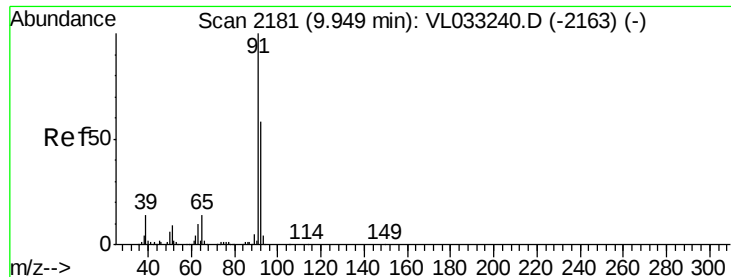
Tot Ion: 43 Resp: 2583666
Ion Ratio Lower Upper
43 100
58 47.7 38.2 57.2
98 0.1 0.2 0.4#



#52
Tetrachloroethene
Concen: 12.244 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

Tgt Ion: 164 Resp: 1082038
Ion Ratio Lower Upper
164 100
166 123.3 103.3 154.9
129 103.9 84.4 126.6
131 97.0 79.4 119.0





#53

Toluene

Concen: 13.275 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL033246.D

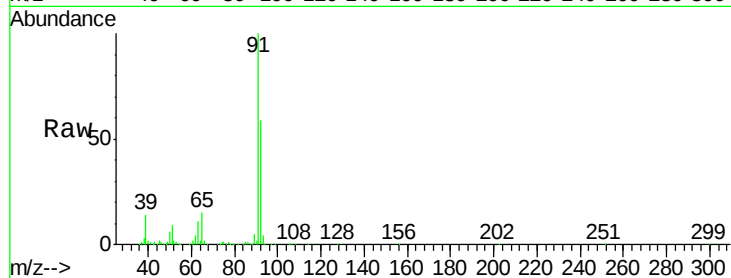
Acq: 6 Mar 2019 5:52

Tot Ion: 91 Resp: 3608614

Ion Ratio Lower Upper

91 100

92 59.5 47.4 71.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

2000000

1500000

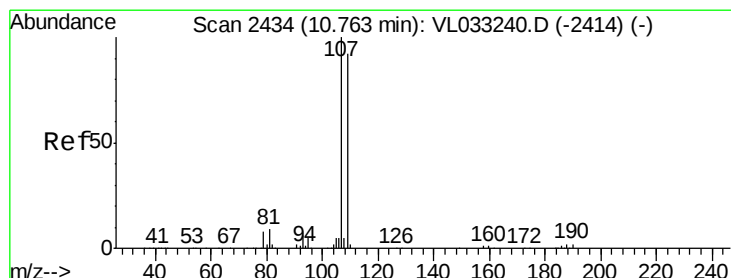
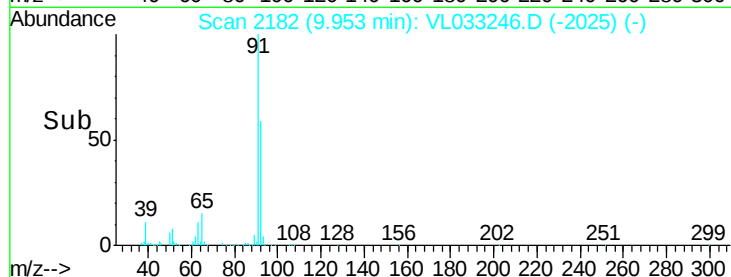
1000000

500000

0

9.90 9.95 10.00

Time-->



#54

1,2-Dibromoethane

Concen: 13.365 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL033246.D

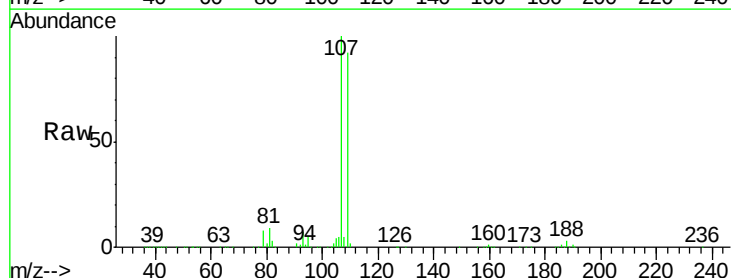
Acq: 6 Mar 2019 5:52

Tgt Ion: 107 Resp: 1967768

Ion Ratio Lower Upper

107 100

109 91.5 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

1000000

800000

600000

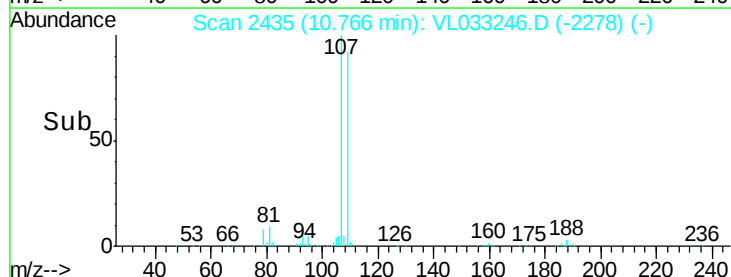
400000

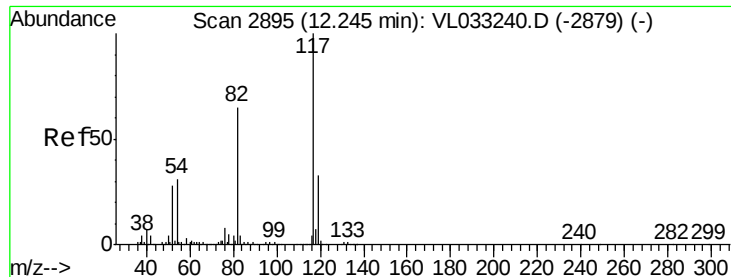
200000

0

10.70 10.77 10.80

Time-->

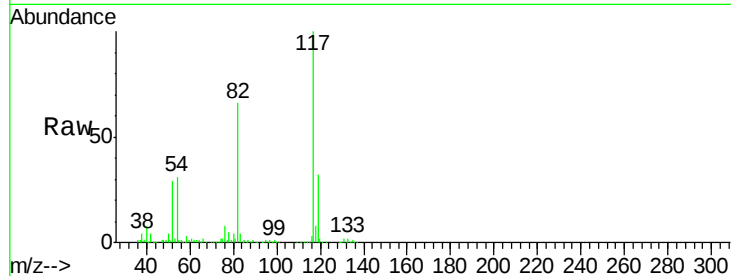




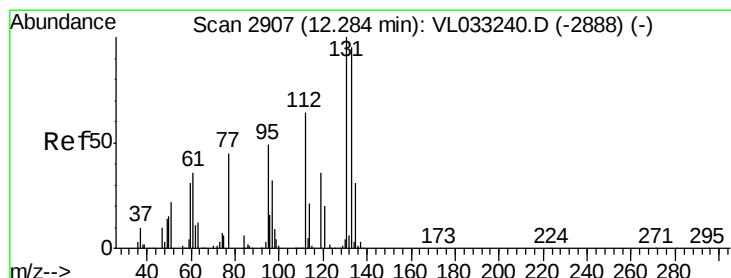
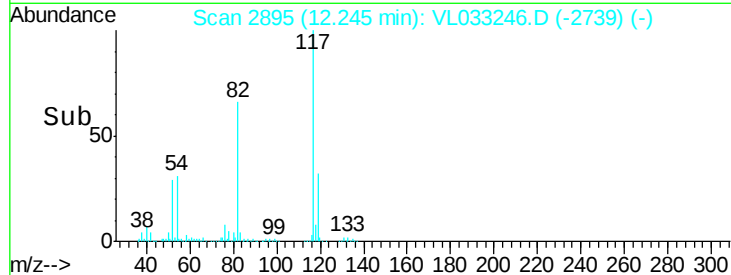
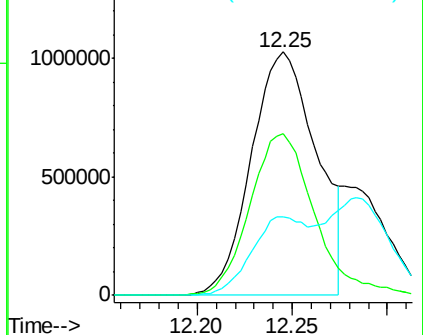
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

Tot Ion:117 Resp: 2458879

Ion	Ratio	Lower	Upper
117	100		
82	65.8	51.8	77.8
119	26.4	43.6	65.4#



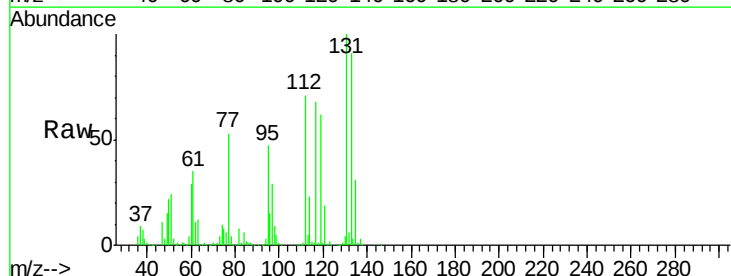
Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): V
 Ion 119.10 (118.80 to 119.80): V



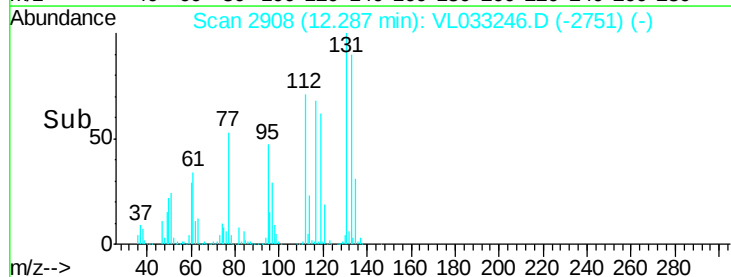
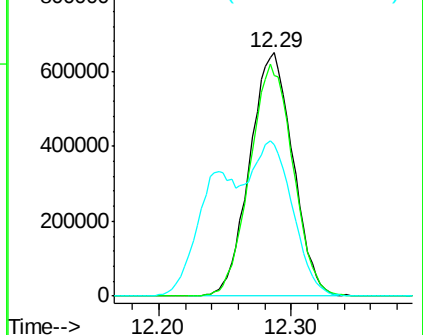
#56
1,1,1,2-Tetrachloroethane
Concen: 12.993 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

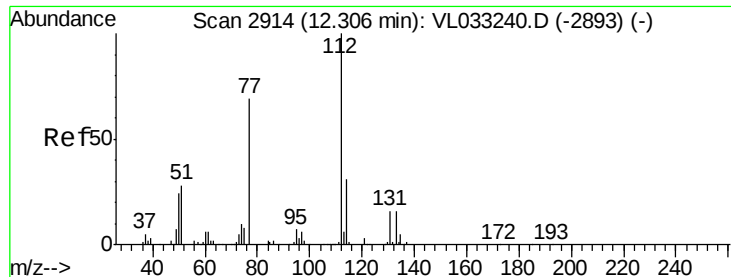
Tgt Ion:131 Resp: 1473821

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.2	114.2
119	67.7	108.9	163.3#



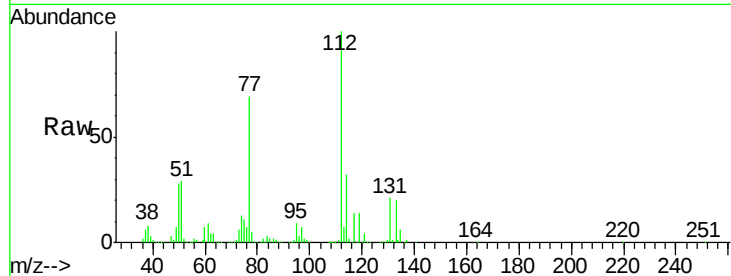
Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V



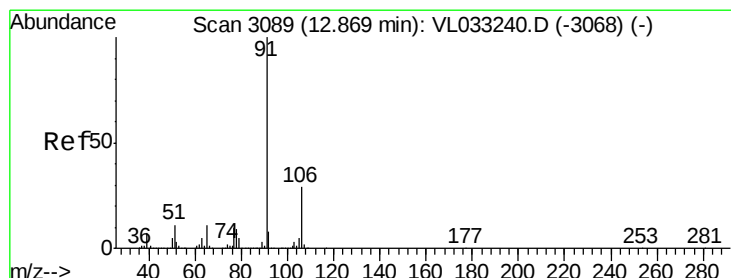
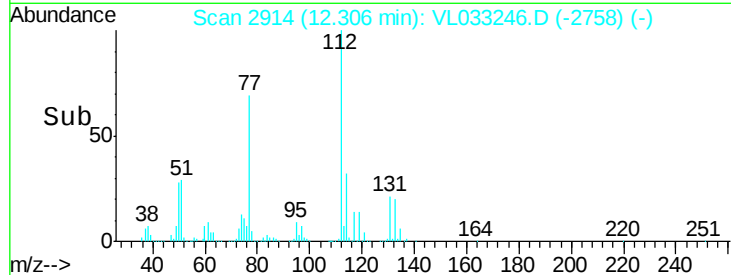
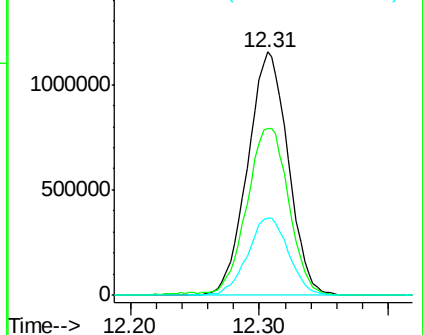


#57
Chlorobenzene
Concen: 11.743 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

Tot Ion:112 Resp: 2516306
Ion Ratio Lower Upper
112 100
77 68.3 56.5 84.7
114 31.7 28.4 34.7

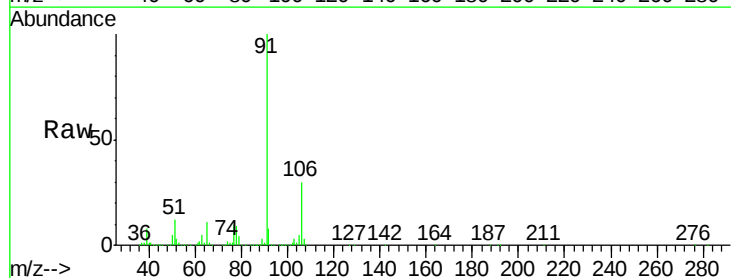


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

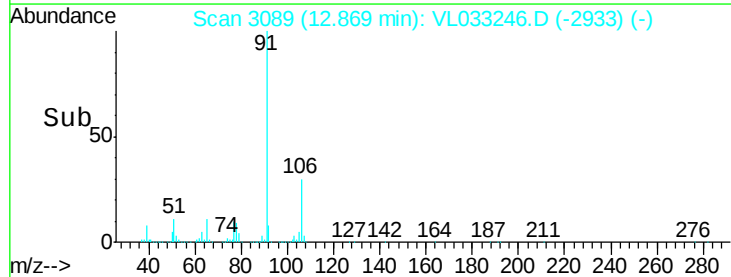
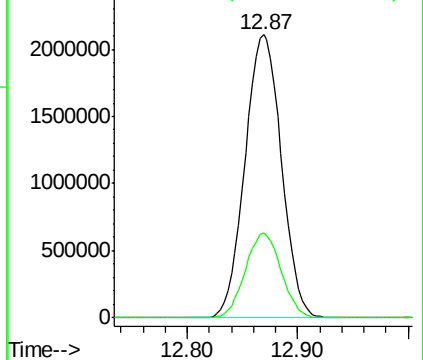


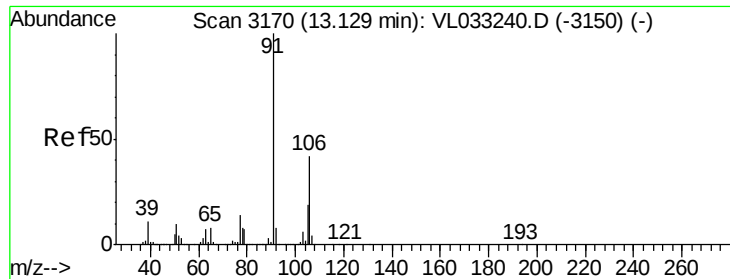
#58
Ethyl Benzene
Concen: 12.106 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

Tgt Ion: 91 Resp: 4815769
Ion Ratio Lower Upper
91 100
106 29.8 23.5 35.3



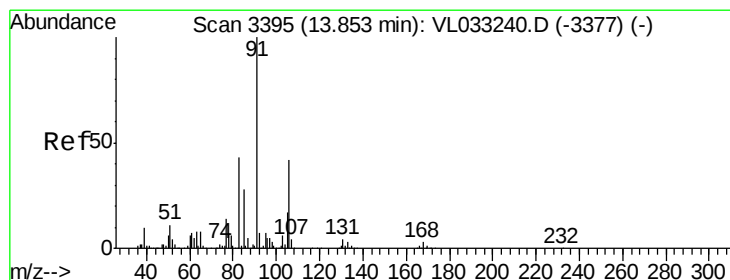
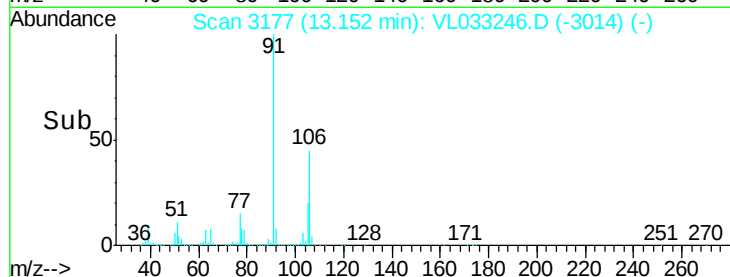
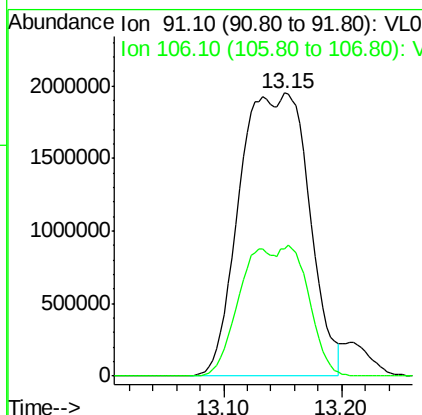
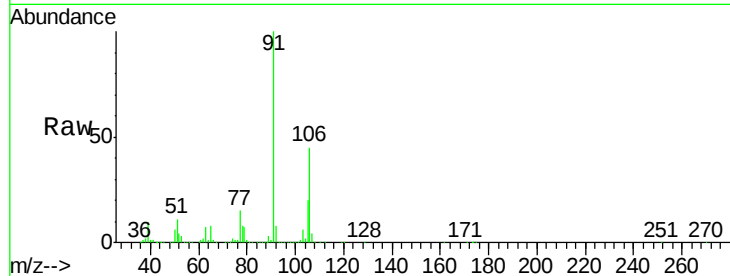
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





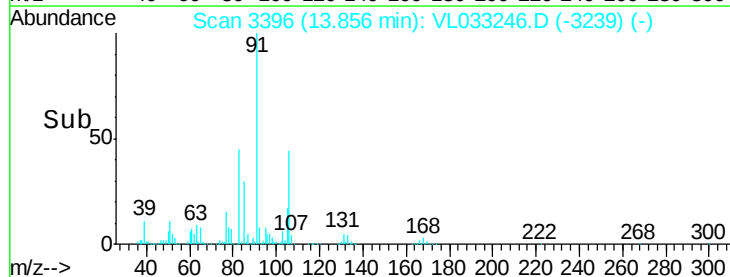
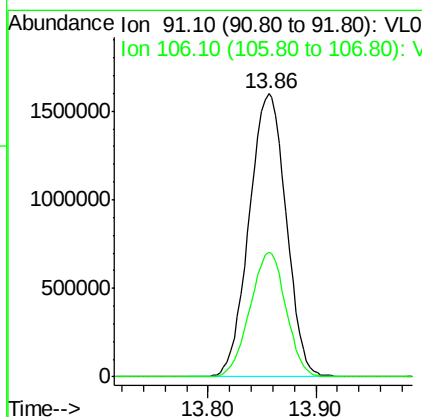
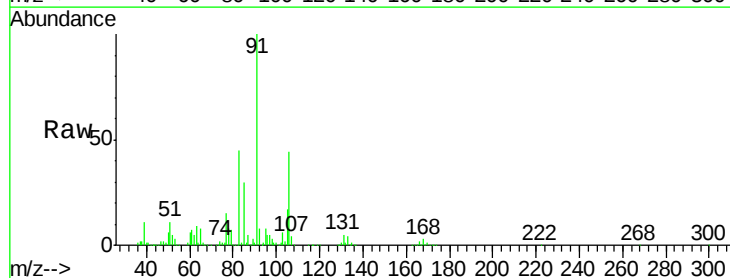
#59
m/p-Xylene
Concen: 24.030 ppbv m
RT: 13.15 min Scan# 3177
Delta R.T. 0.02 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

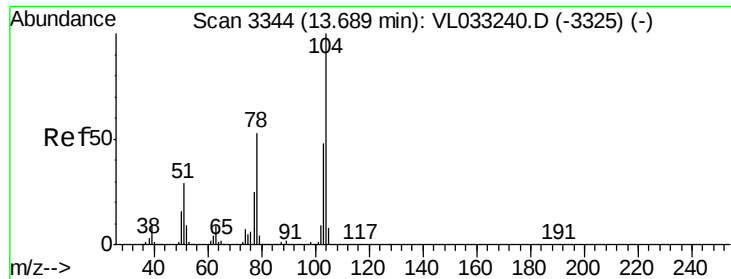
Tot Ion: 91 Resp: 7972030
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#



#60
o-Xylene
Concen: 11.785 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

Tgt Ion: 91 Resp: 3807284
Ion Ratio Lower Upper
91 100
106 42.8 21.4 64.3





#61

Stvrene

Concen: 12.085 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

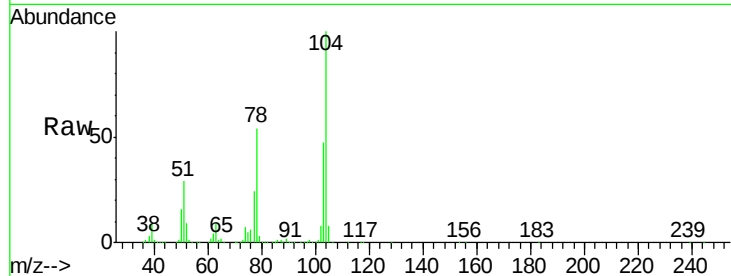
Tot Ion:104 Resp: 2914083

Ion	Ratio	Lower	Upper
104	100		
78	54.0	43.7	65.5
103	47.4	38.2	57.2

104 100

78 54.0 43.7 65.5

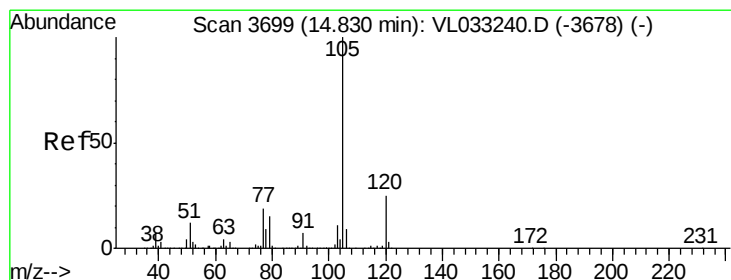
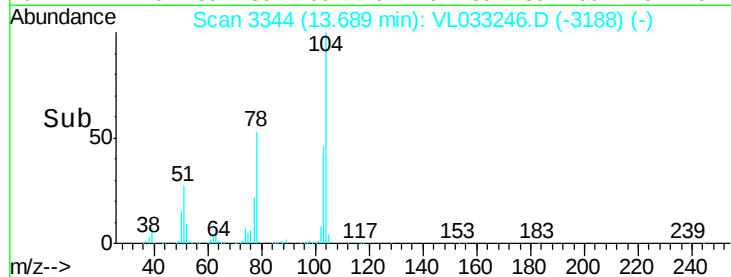
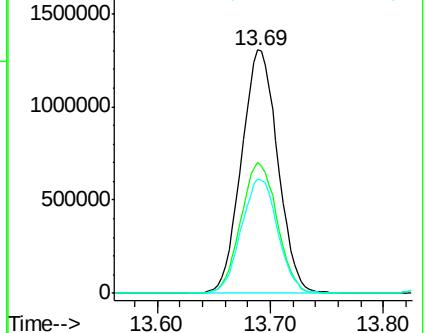
103 47.4 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 11.703 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VL033246.D

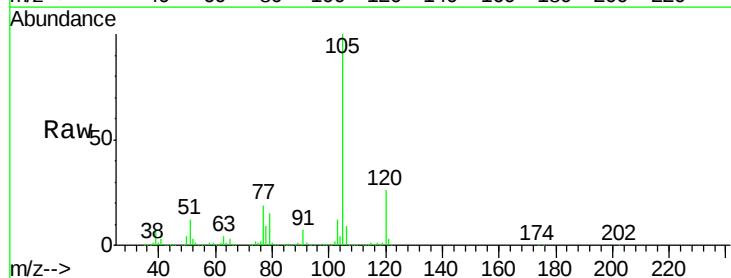
Acq: 6 Mar 2019 5:52

Tgt Ion:105 Resp: 5294906

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.1	30.1

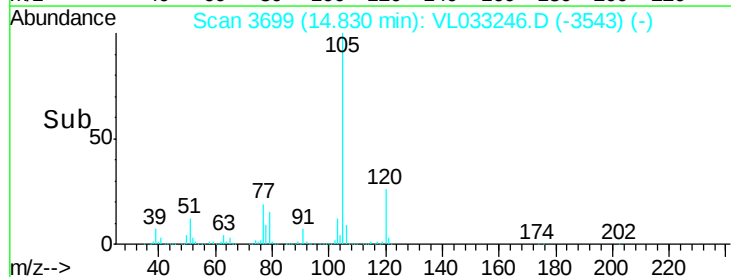
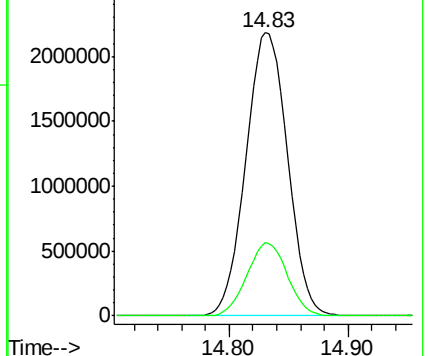
105 100

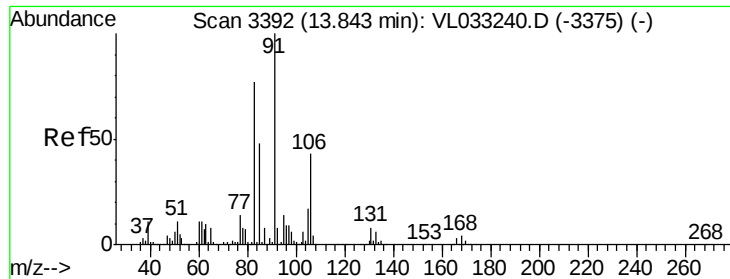
120 25.1 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.872 ppbv

RT: 13.84 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

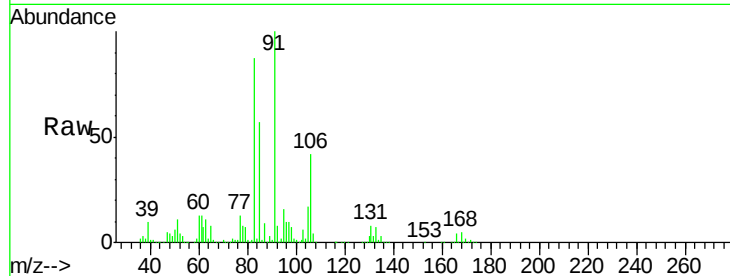
Tot Ion: 83 Resp: 2483725

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	65.1	32.6	97.8

83 100

131 9.2 4.7 14.0

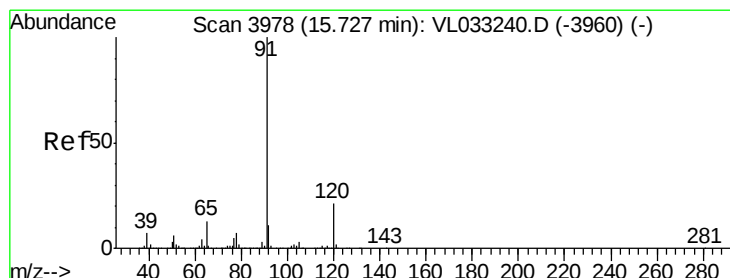
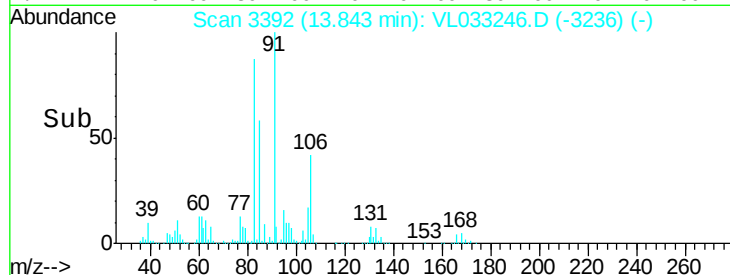
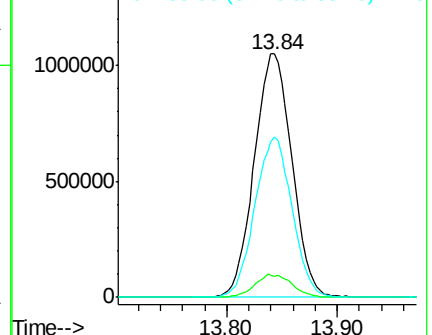
85 65.1 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 11.690 ppbv

RT: 15.73 min Scan# 3978

Delta R.T. 0.00 min

Lab File: VL033246.D

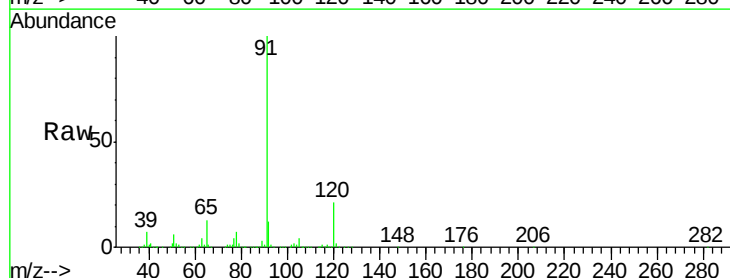
Acq: 6 Mar 2019 5:52

Tgt Ion:120 Resp: 1337498

Ion	Ratio	Lower	Upper
120	100		
91	483.9	392.2	588.4

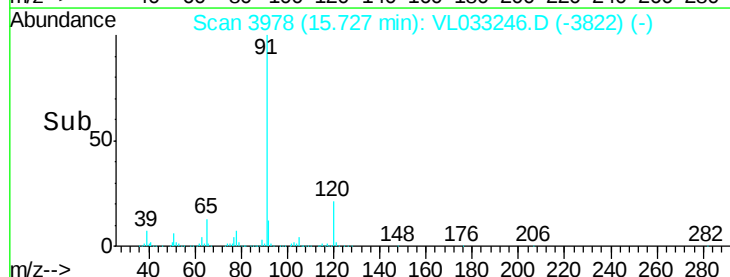
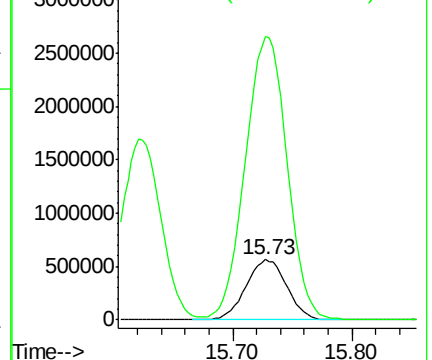
120 100

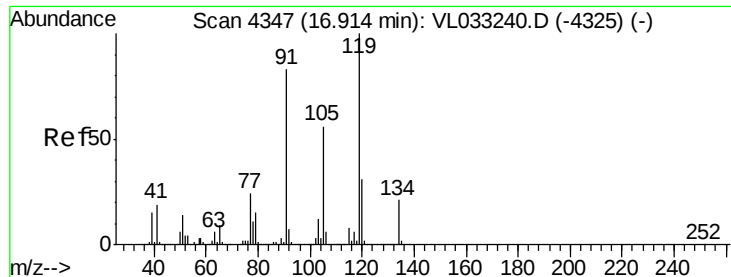
91 483.9 392.2 588.4



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 11.180 ppbv

RT: 16.91 min Scan# 4347

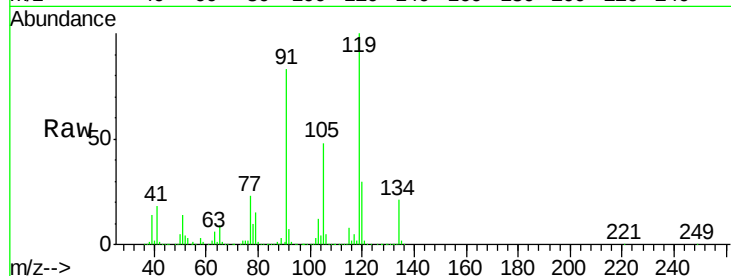
Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tot Ion:119 Resp: 4393492

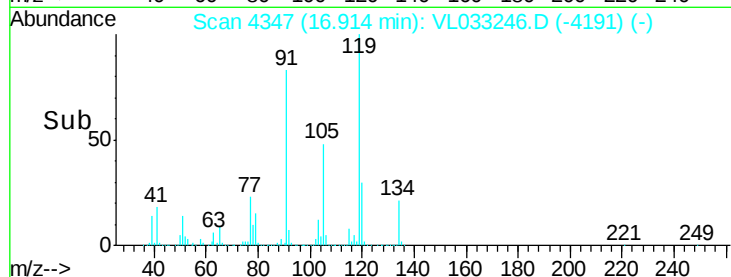
Ion	Ratio	Lower	Upper
119	100		
91	84.1	67.0	100.4
134	19.7	15.4	23.2



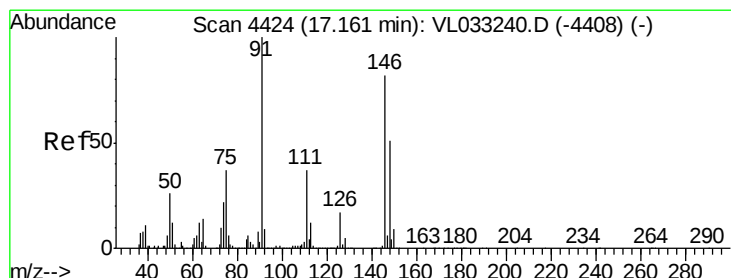
Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



Time-->



#66

Benzyl Chloride

Concen: 17.257 ppbv

RT: 17.16 min Scan# 4425

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

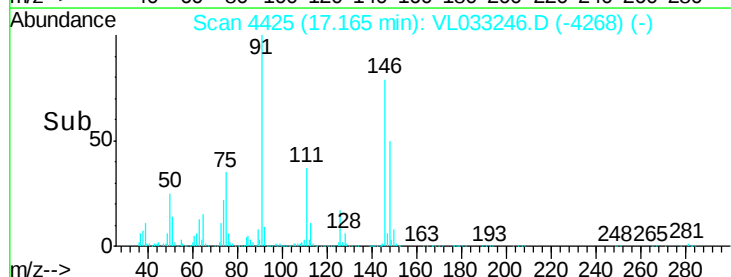
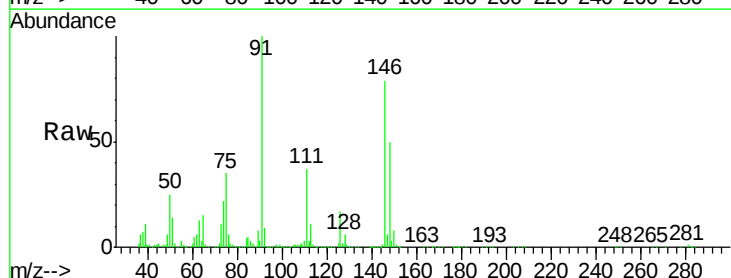
Tgt Ion: 91 Resp: 2376747

Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.4	20.0
128	5.3	4.2	6.2

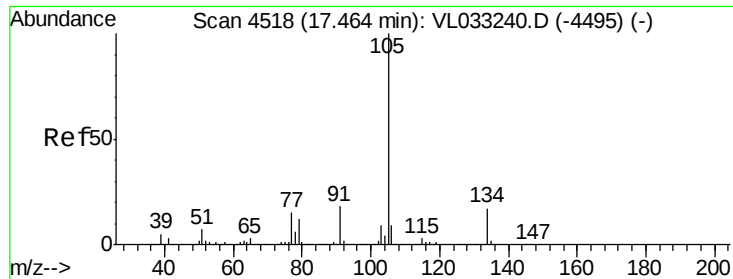
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V



Time-->



#67

sec-Butylbenzene

Concen: 11.173 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. 0.00 min

Lab File: VL033246.D

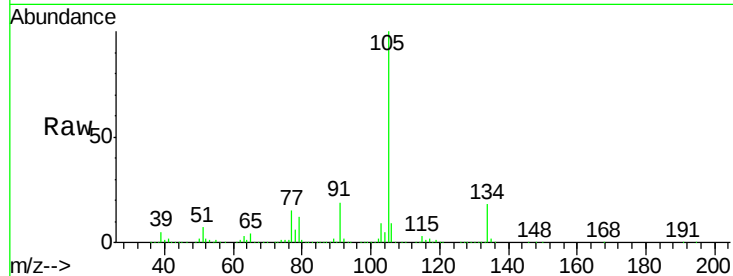
Acq: 6 Mar 2019 5:52

Tot Ion: 105 Resp: 6363000

Ion Ratio Lower Upper

105 100

134 17.9 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.47

2500000

2000000

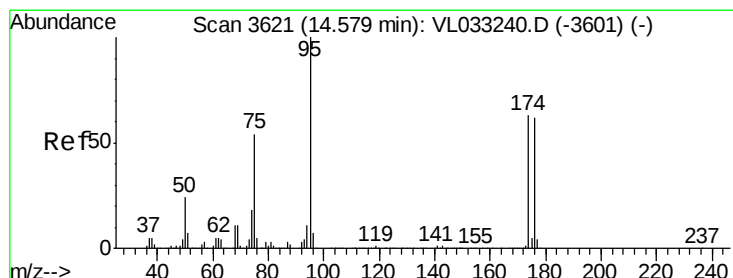
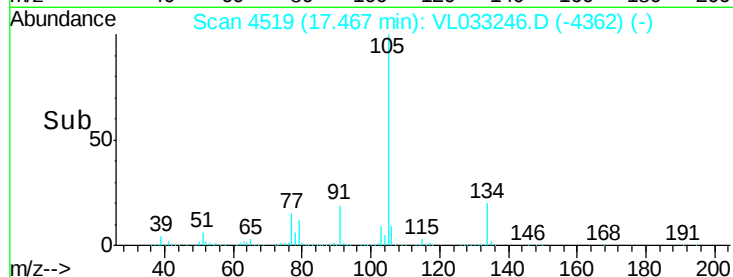
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.585 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

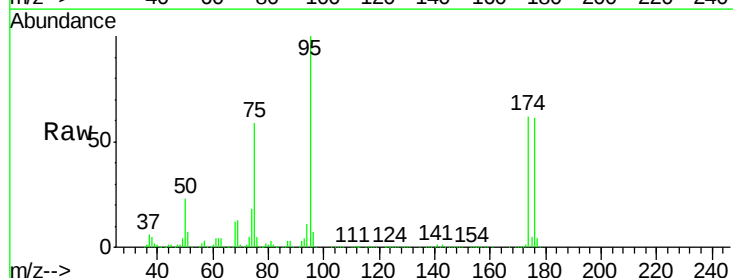
Tgt Ion: 95 Resp: 1814286

Ion Ratio Lower Upper

95 100

174 64.6 51.0 76.4

175 4.6 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.58

800000

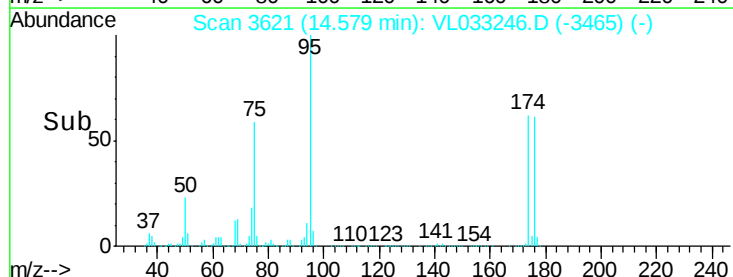
600000

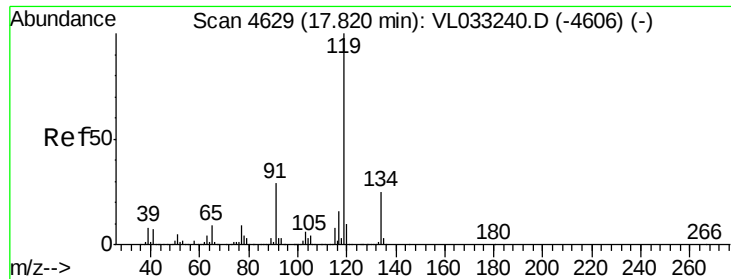
400000

200000

0

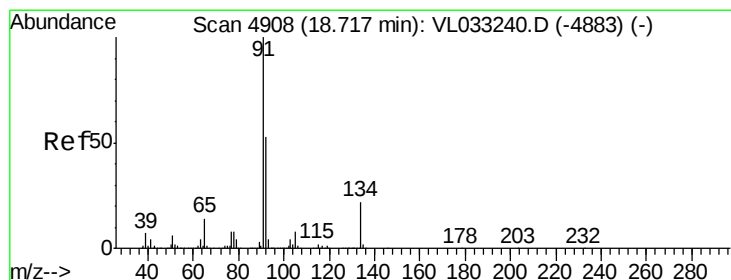
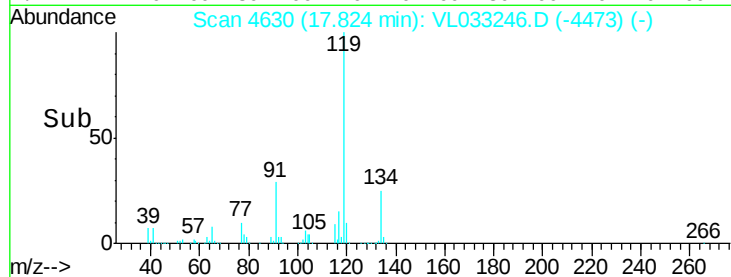
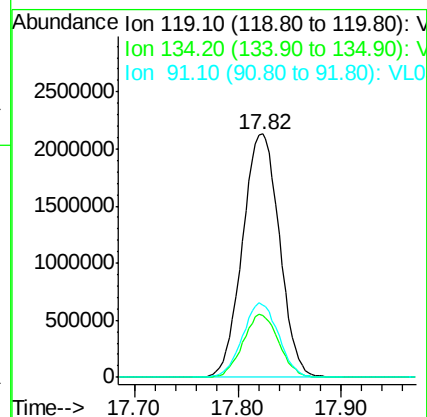
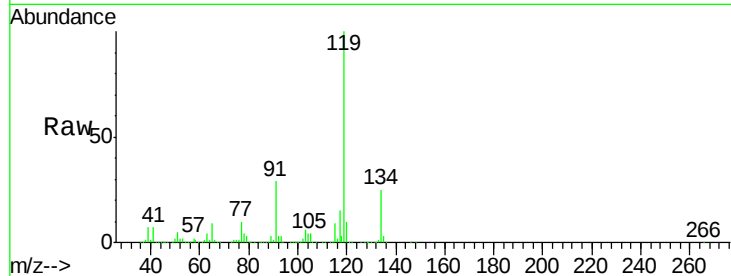
Time-->





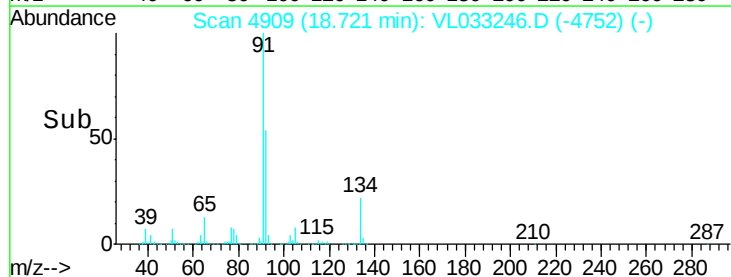
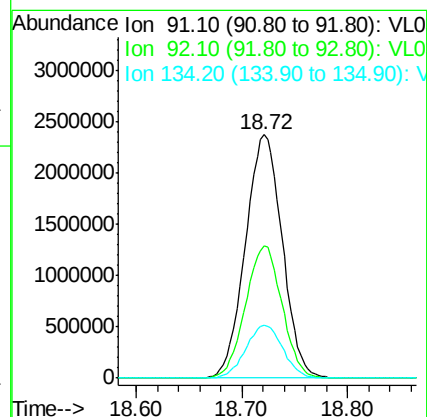
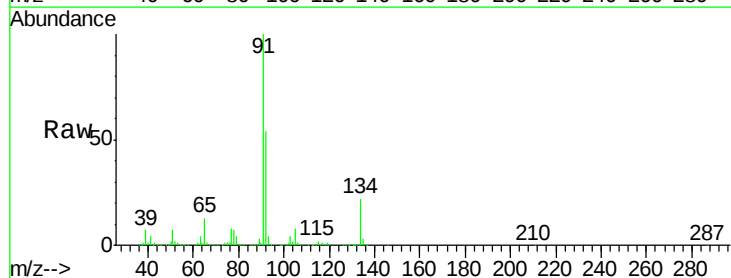
#69
 p-Isopropyltoluene
 Concen: 11.184 ppbv
 RT: 17.82 min Scan# 4630
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

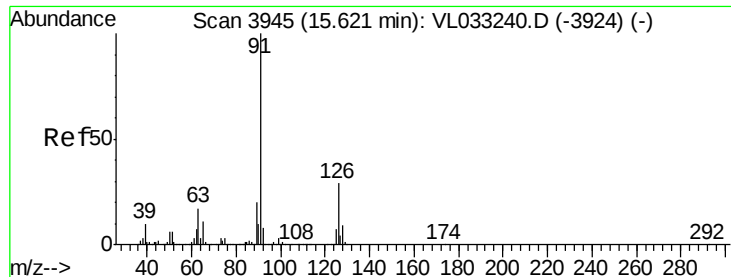
Tot Ion: 119 Resp: 5303879
 Ion Ratio Lower Upper
 119 100
 134 25.1 19.9 29.9
 91 29.7 23.9 35.9



#70
 n-Butylbenzene
 Concen: 11.220 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

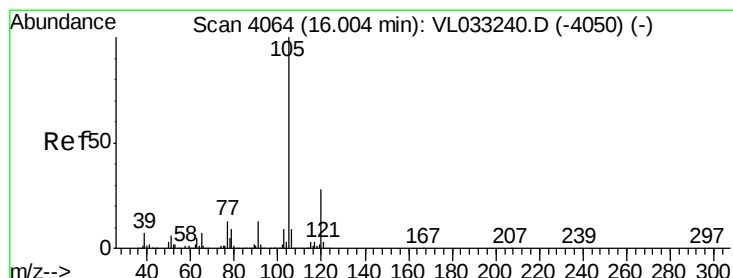
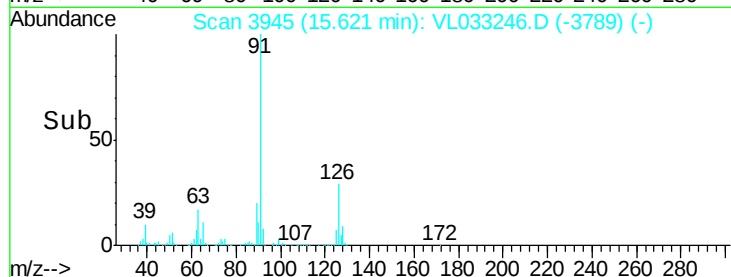
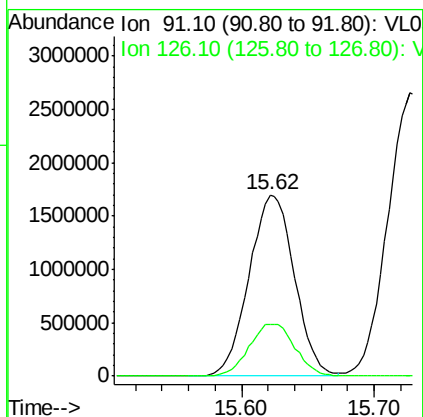
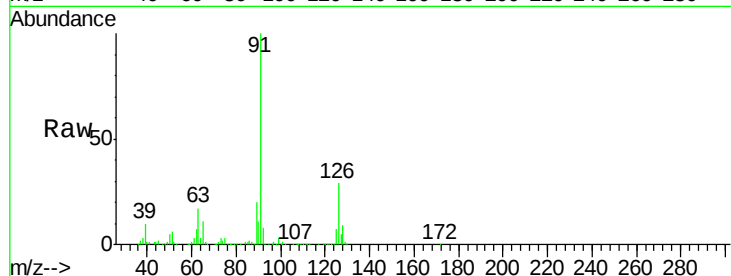
Tgt Ion: 91 Resp: 5755604
 Ion Ratio Lower Upper
 91 100
 92 53.8 42.4 63.6
 134 21.9 17.3 25.9





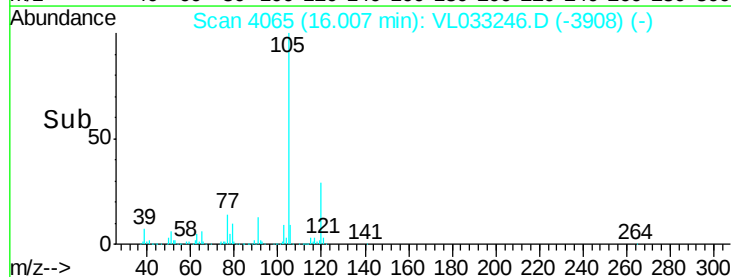
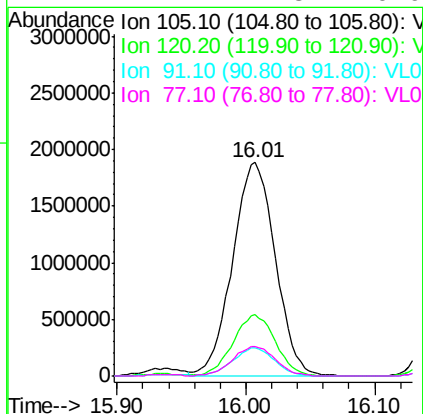
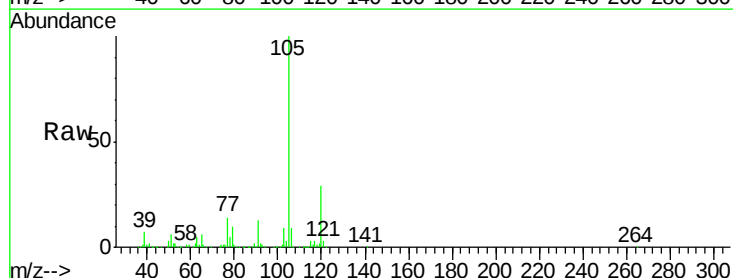
#71
2-Chlorotoluene
Concen: 11.407 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

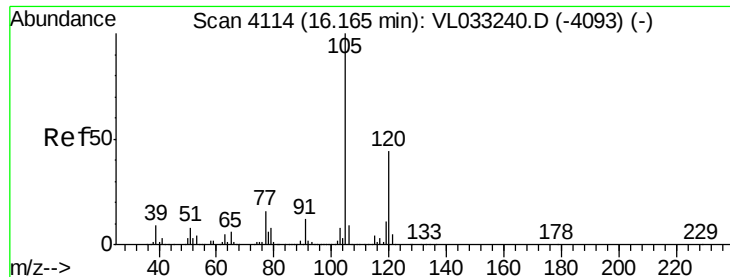
Tot Ion: 91 Resp: 4038207
Ion Ratio Lower Upper
91 100
126 29.3 11.6 46.2



#72
4-Ethyltoluene
Concen: 11.748 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

Tgt Ion: 105 Resp: 4327778
Ion Ratio Lower Upper
105 100
120 28.9 22.3 33.5
91 13.0 10.3 15.5
77 14.1 11.3 16.9

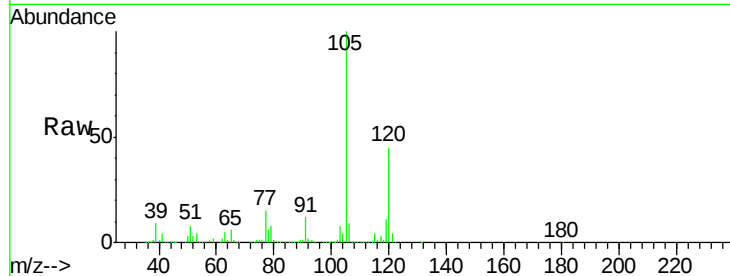




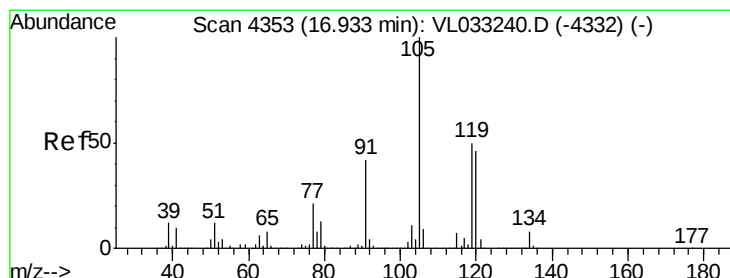
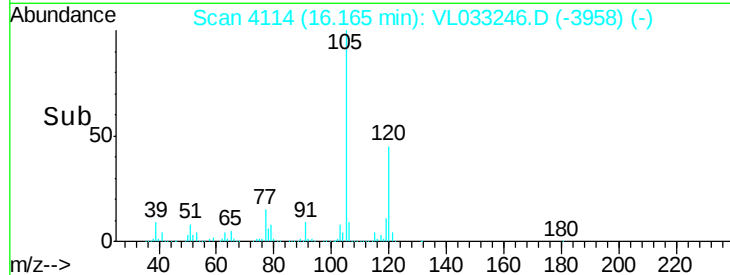
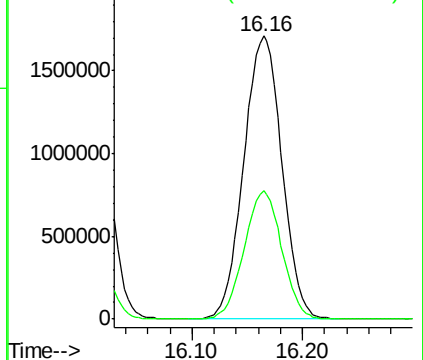
#73

1,3,5-Trimethylbenzene
Concen: 11.616 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

Tot Ion:105 Resp: 4085704
Ion Ratio Lower Upper
105 100
120 45.4 35.0 52.6



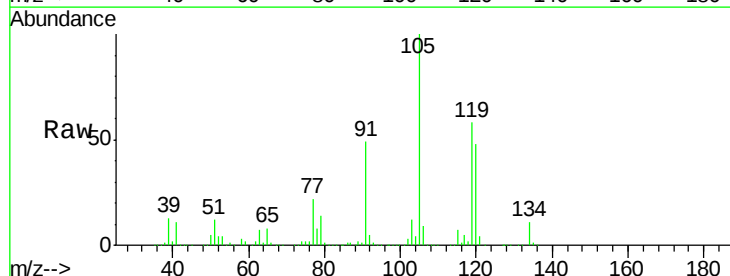
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V



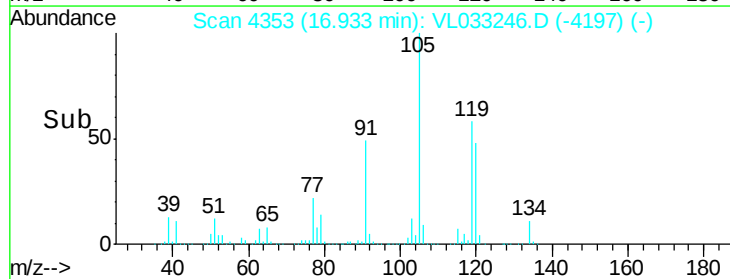
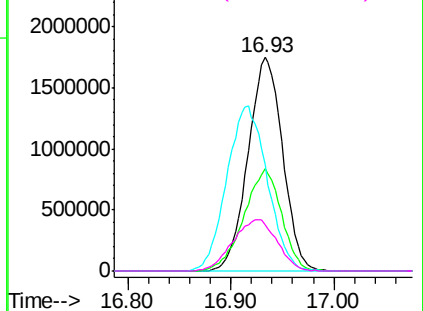
#74

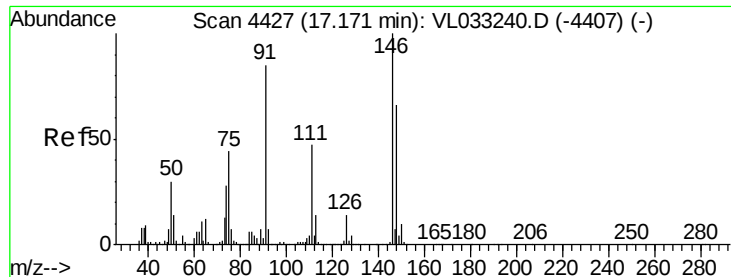
1,2,4-Trimethylbenzene
Concen: 11.124 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

Tgt Ion:105 Resp: 4073003
Ion Ratio Lower Upper
105 100
120 47.6 36.5 54.7
91 49.4 34.4 51.6
77 21.6 17.0 25.4



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 11.188 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

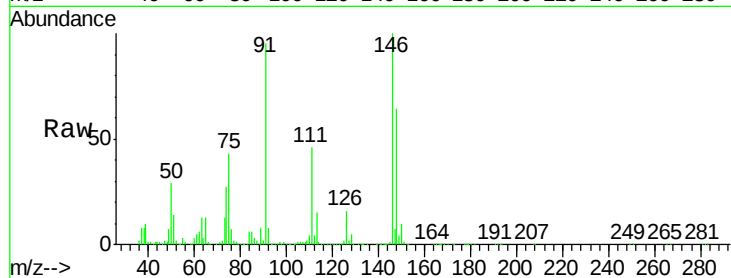
Tot Ion:146 Resp: 2356621

Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.4	70.0
148	64.3	32.1	96.3

146 100

111 46.2 23.4 70.0

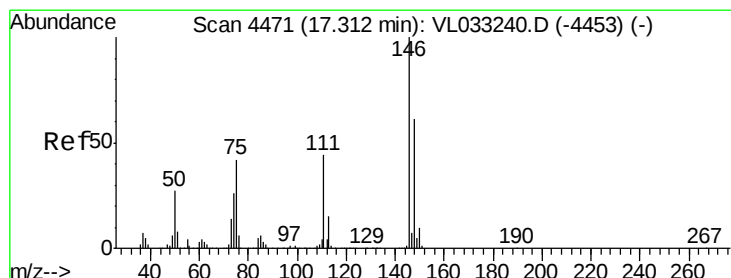
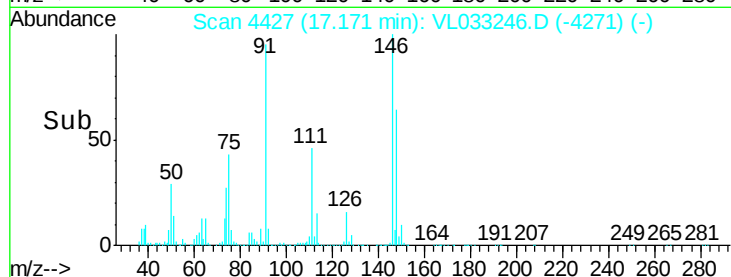
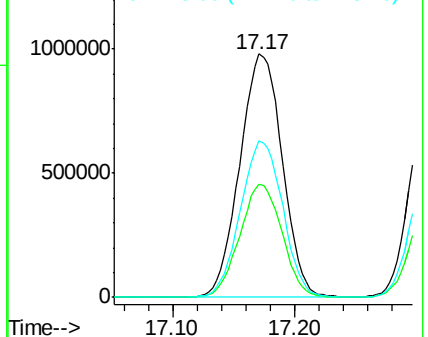
148 64.3 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 11.616 ppbv

RT: 17.32 min Scan# 4472

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

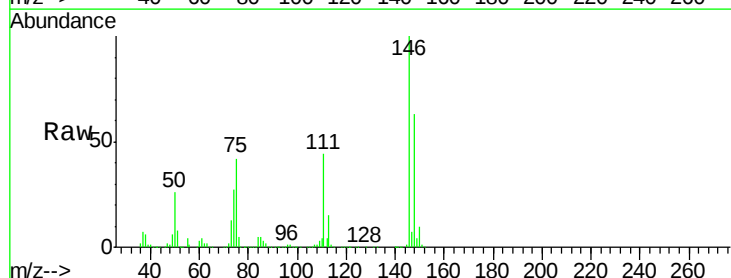
Tgt Ion:146 Resp: 2419644

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.4	67.3
148	64.5	32.1	96.3

146 100

111 45.1 22.4 67.3

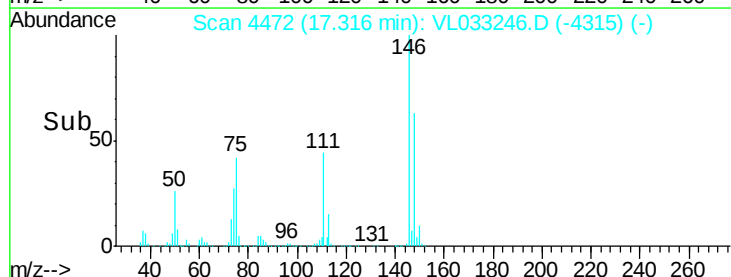
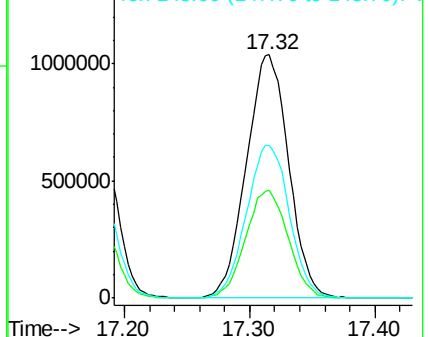
148 64.5 32.1 96.3

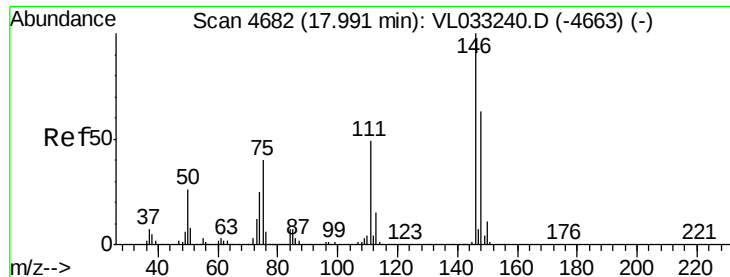


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 11.481 ppbv

RT: 17.99 min Scan# 4683

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

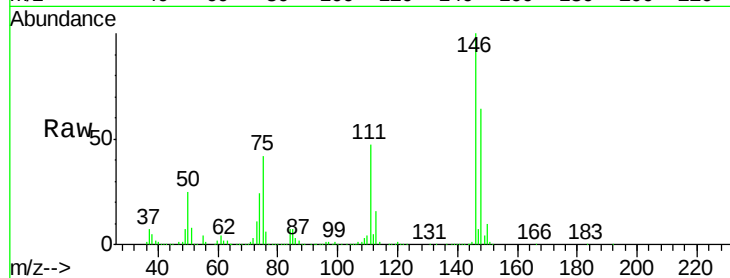
Tot Ion:146 Resp: 2387521

Ion Ratio Lower Upper

146 100

111 47.7 23.6 71.0

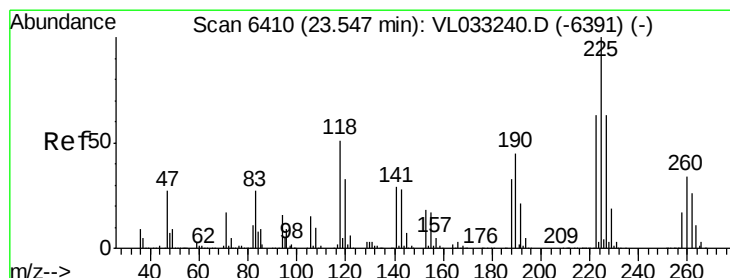
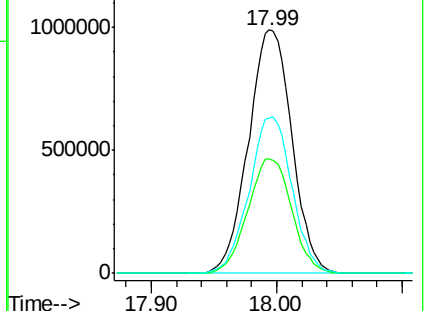
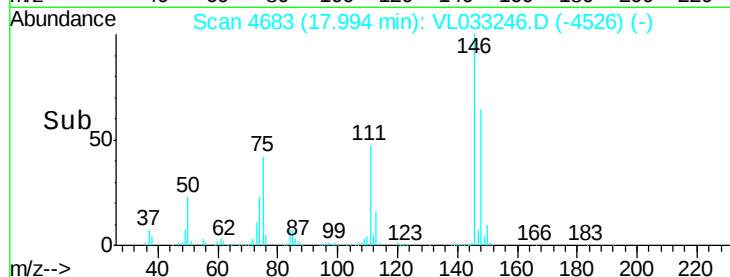
148 63.6 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 14.865 ppbv

RT: 23.55 min Scan# 6411

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

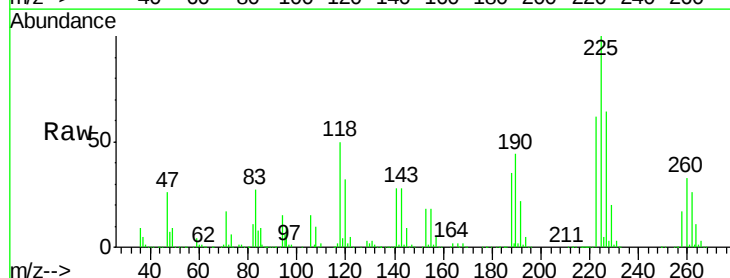
Tgt Ion:225 Resp: 1638123

Ion Ratio Lower Upper

225 100

223 63.8 50.9 76.3

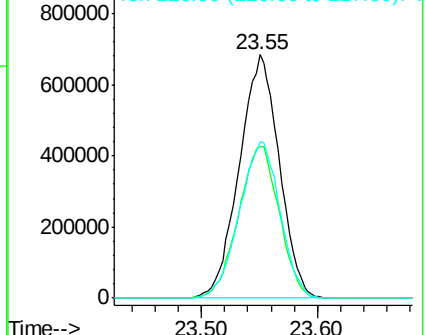
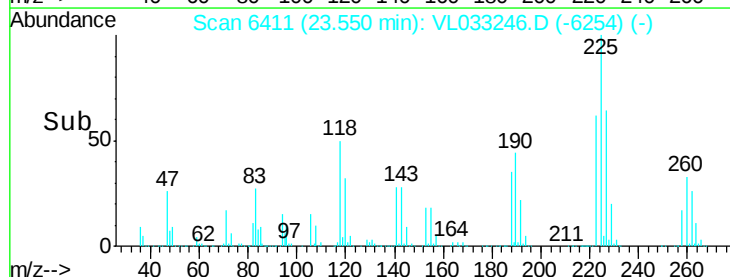
227 65.2 50.7 76.1

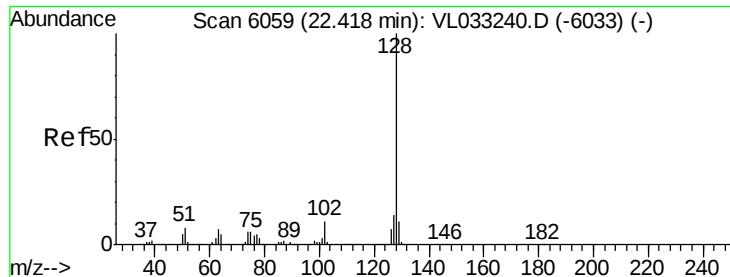


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 15.441 ppbv

RT: 22.42 min Scan# 6060

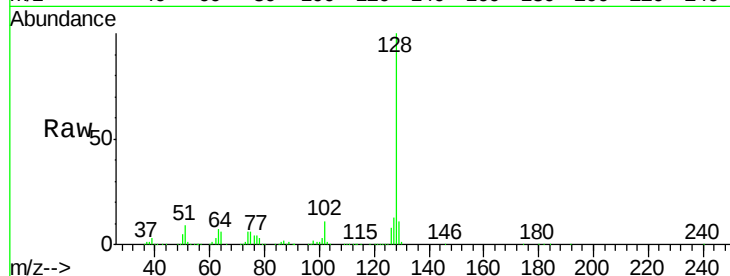
Delta R.T. 0.00 min

Lab File: VL033246.D

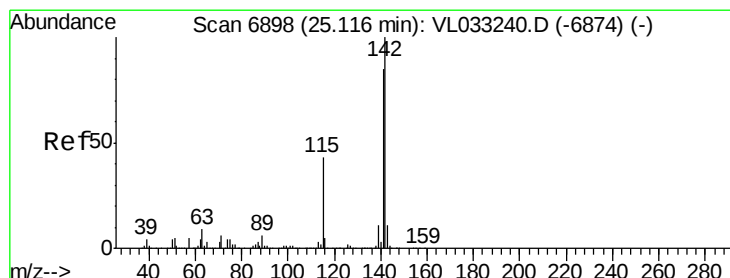
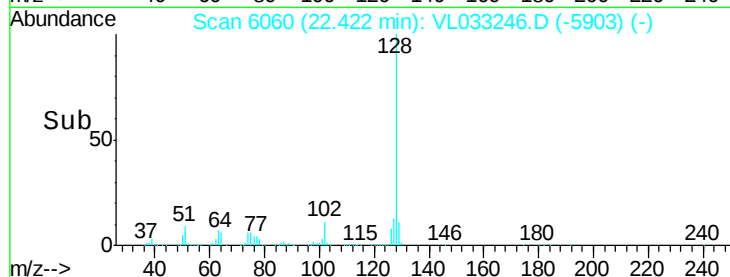
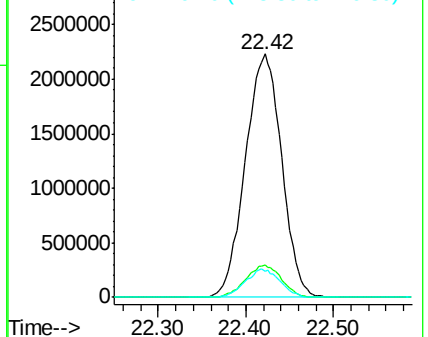
Acq: 6 Mar 2019 5:52

Tot Ion:128 Resp: 6417431

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	10.9	8.6	13.0



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 13.652 ppbv

RT: 25.12 min Scan# 6899

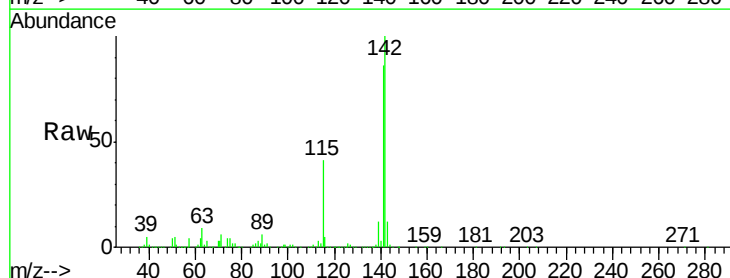
Delta R.T. 0.00 min

Lab File: VL033246.D

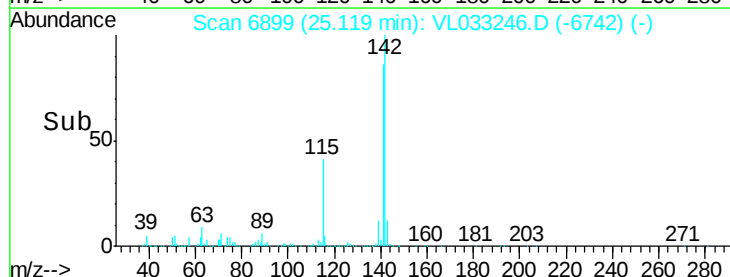
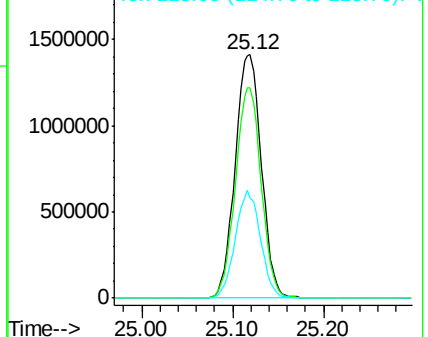
Acq: 6 Mar 2019 5:52

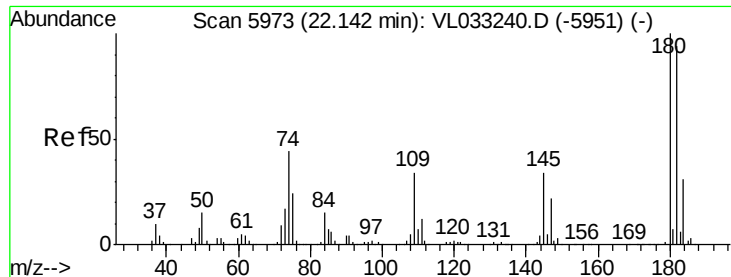
Tgt Ion:142 Resp: 2831281

Ion	Ratio	Lower	Upper
142	100		
141	84.9	68.0	102.0
115	42.4	34.1	51.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

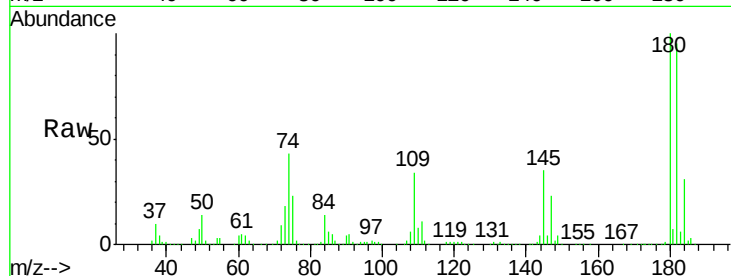




#81

1,2,4-Trichlorobenzene
 Concen: 13.993 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

Tot Ion:180 Resp: 2915741
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.6 114.8
 184 30.6 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

