

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 06:21:59 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	3210607	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.58 95 1814286 7.34 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 73.40%

Target Compounds						Qvalue
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
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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	9.951	ppbv #	66
57) Chlorobenzene	12.31	112	2516306	8.994	ppbv	98
58) Ethyl Benzene	12.87	91	4815769	9.272	ppbv	99
59) m/p-Xylene	13.13	91	4103726	9.474	ppbv #	32
60) o-Xylene	13.86	91	3807284	9.026	ppbv	100
61) Styrene	13.69	104	2914083	9.255	ppbv	99
62) Isopropylbenzene	14.83	105	5294906	8.963	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2483725	7.561	ppbv	100
64) n-propylbenzene	15.73	120	1337498	8.953	ppbv	98
65) tert-Butylbenzene	16.91	119	4393492	8.562	ppbv	99
66) Benzyl Chloride	17.16	91	2376747	13.217	ppbv	100
67) sec-Butylbenzene	17.47	105	6363000	8.557	ppbv	100
69) p-Isopropyltoluene	17.82	119	5303879	8.565	ppbv	100
70) n-Butylbenzene	18.72	91	5755604	8.593	ppbv	99
71) 2-Chlorotoluene	15.62	91	4038207	8.736	ppbv	99
72) 4-Ethyltoluene	16.01	105	4327778	8.998	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	4085704	8.896	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	4073003	8.519	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	2356621	8.569	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2419644	8.896	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	2387521	8.793	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1638123	11.385	ppbv	99
79) Naphthalene	22.42	128	6417431	11.825	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	2831281	10.455	ppbv	100
81) 1,2,4-Trichlorobenzene	22.15	180	2915741	10.717	ppbv	99

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

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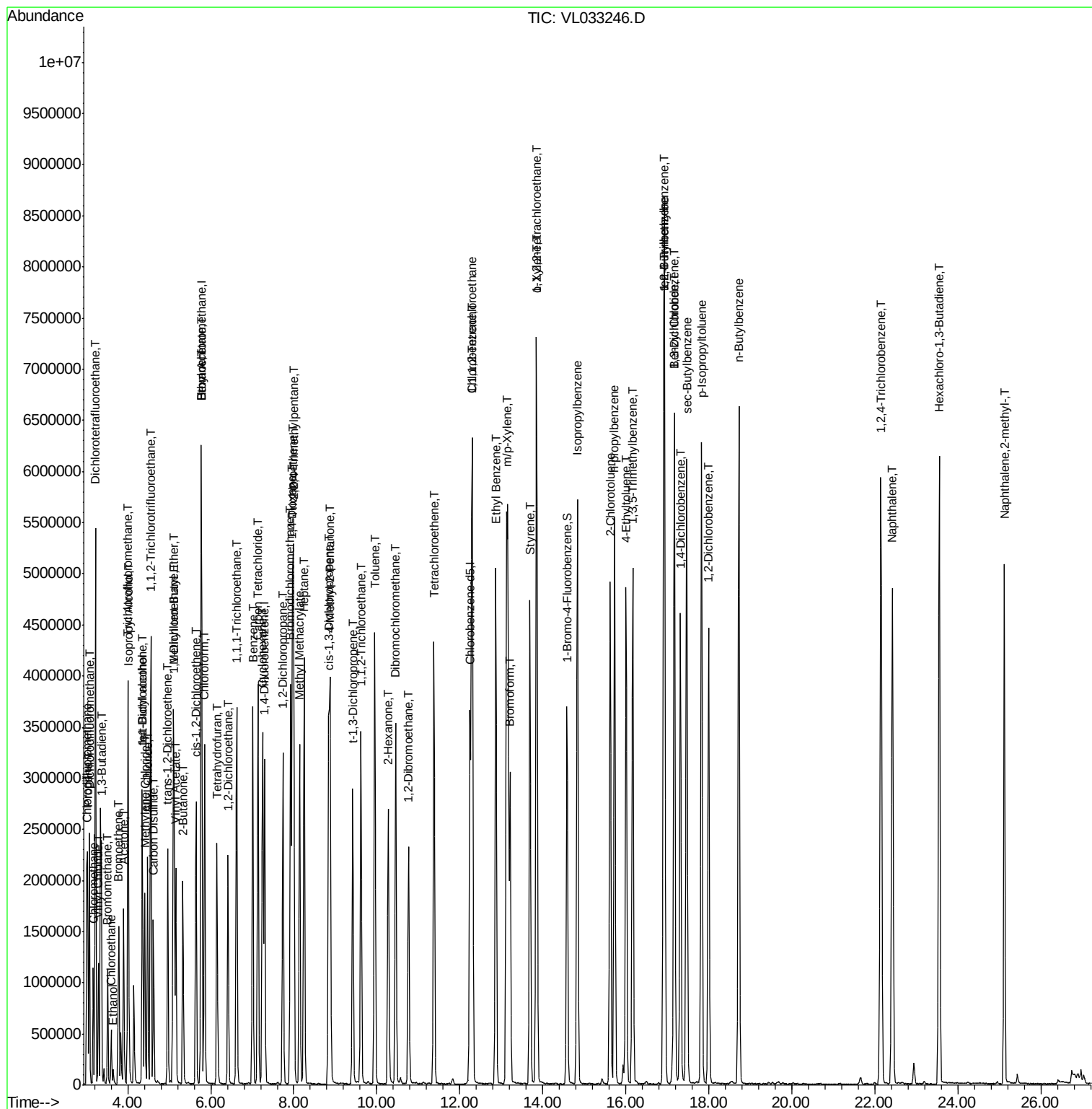
Quant Time: Mar 06 06:21:59 2019

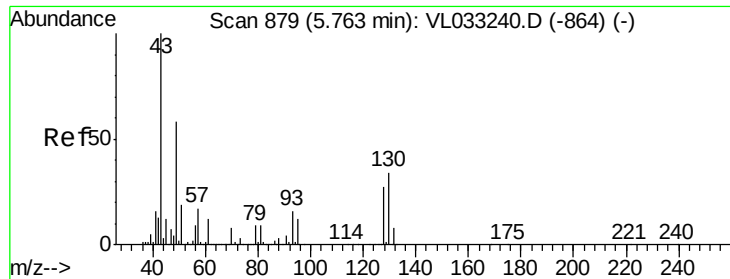
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL030619AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

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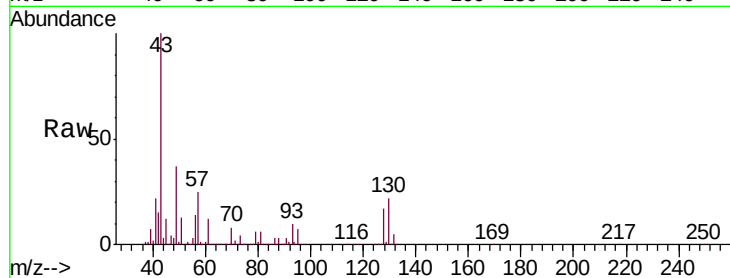
Tgt Ion: 49 Resp: 1002033

Ion Ratio Lower Upper

49 100

128 45.7 22.9 68.8

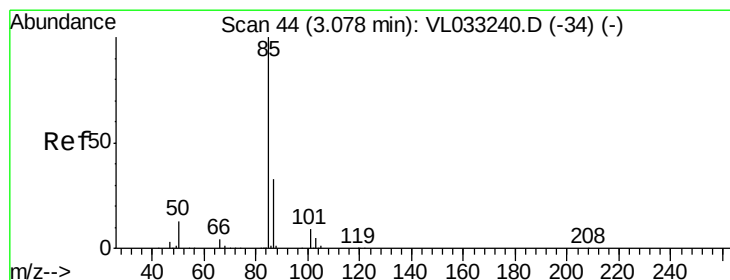
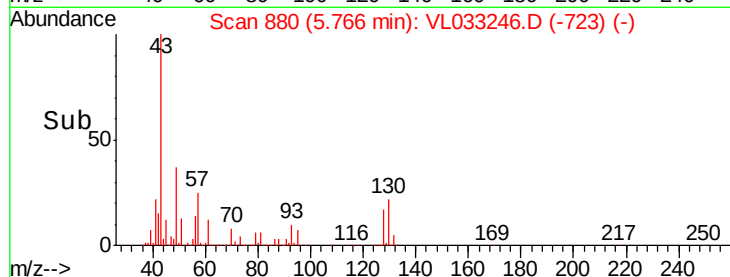
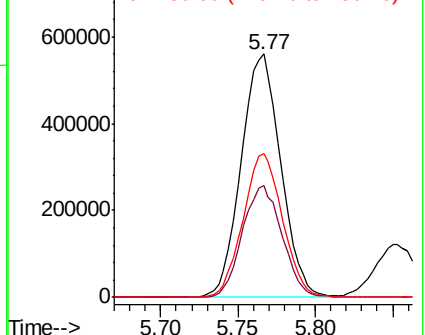
130 58.8 29.3 88.0



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

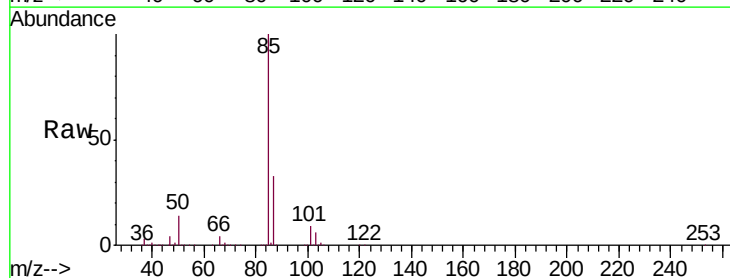
Acq: 6 Mar 2019 5:52

Tgt Ion: 85 Resp: 1729449

Ion Ratio Lower Upper

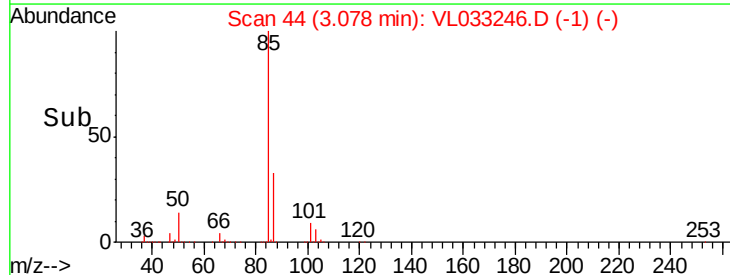
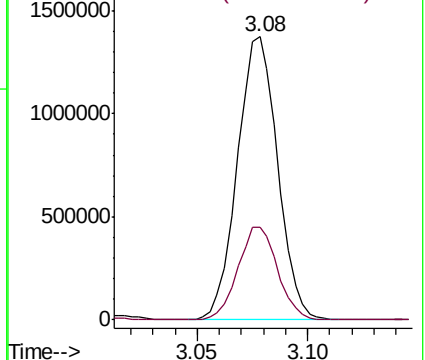
85 100

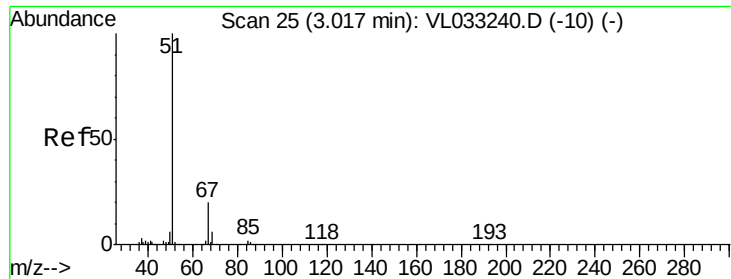
87 32.6 26.7 40.1



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

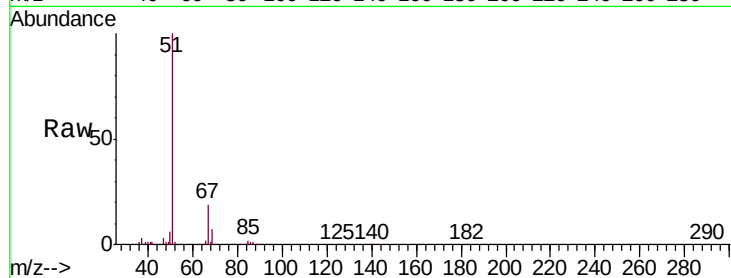
Acq: 6 Mar 2019 5:52

Tgt Ion: 51 Resp: 1858226

Ion Ratio Lower Upper

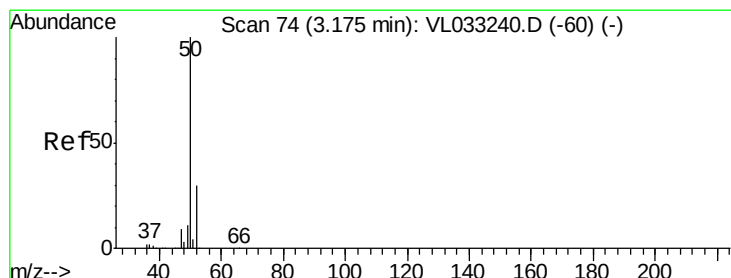
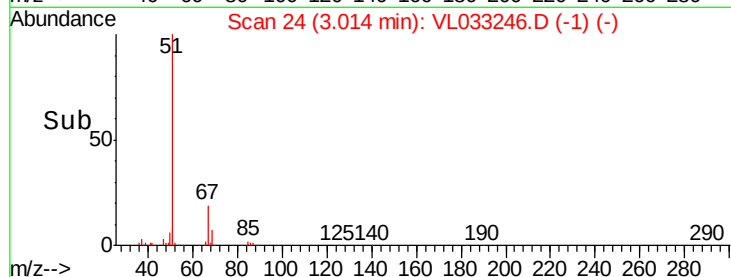
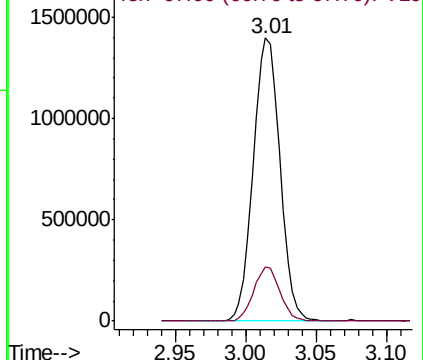
51 100

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

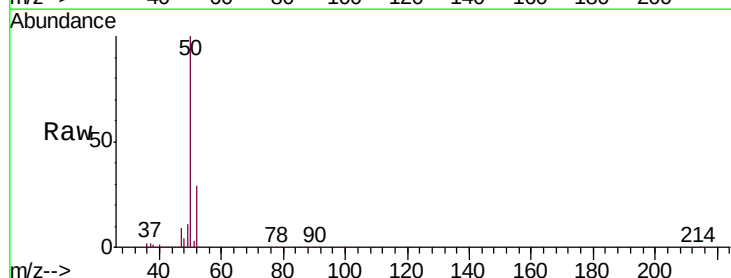
Acq: 6 Mar 2019 5:52

Tgt Ion: 50 Resp: 977702

Ion Ratio Lower Upper

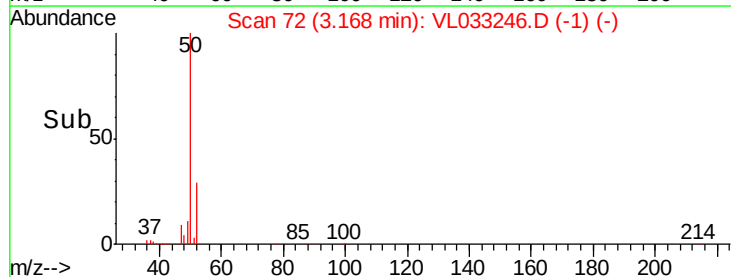
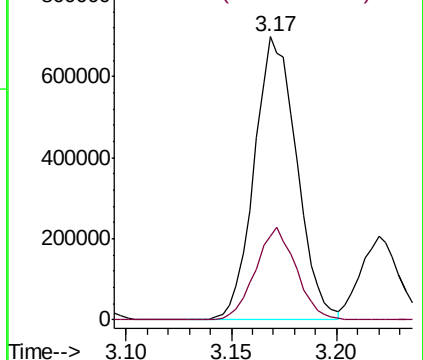
50 100

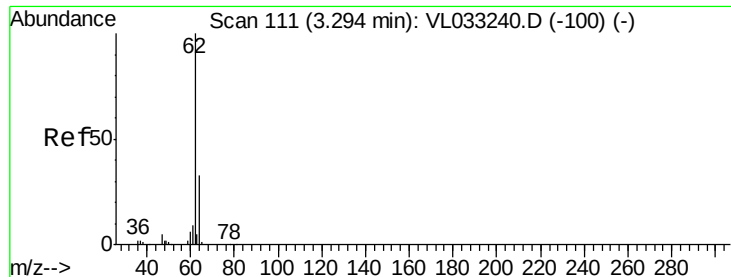
52 29.4 24.3 36.5



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

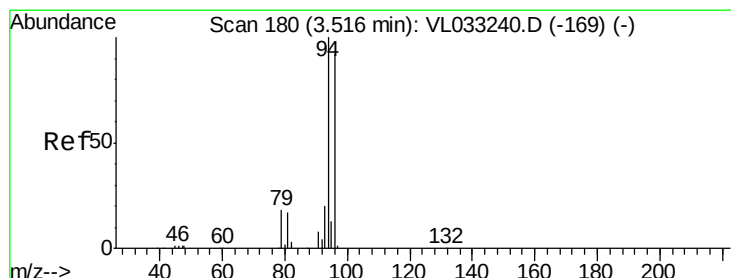
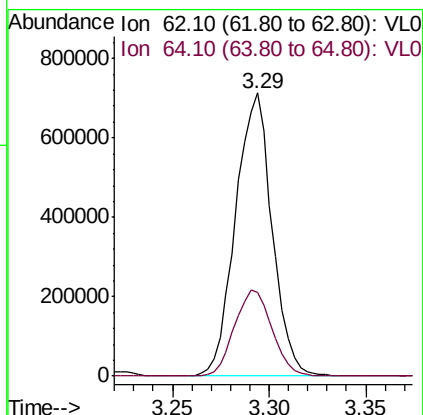
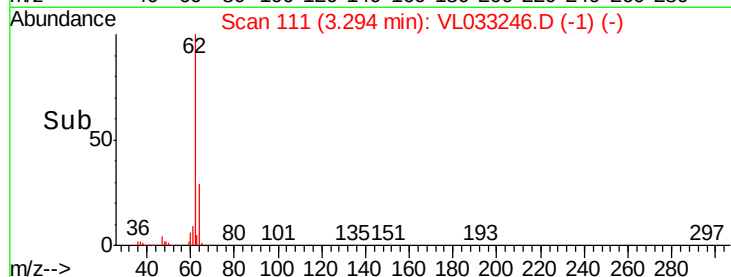
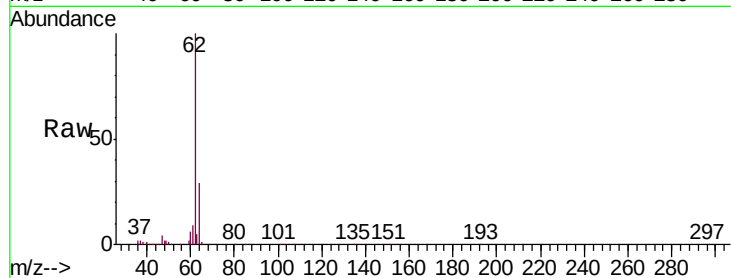
Acq: 6 Mar 2019 5:52

Tgt Ion: 62 Resp: 934710

Ion Ratio Lower Upper

62 100

64 29.5 26.2 39.2



#6

Bromomethane

Concen: 15.839 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033246.D

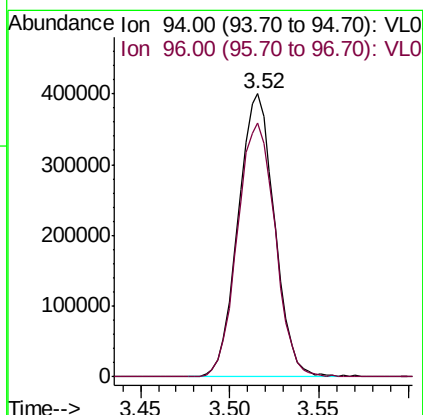
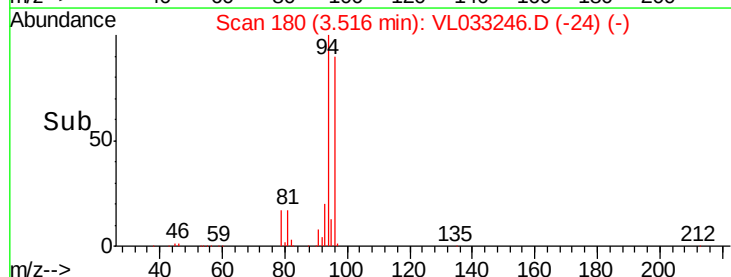
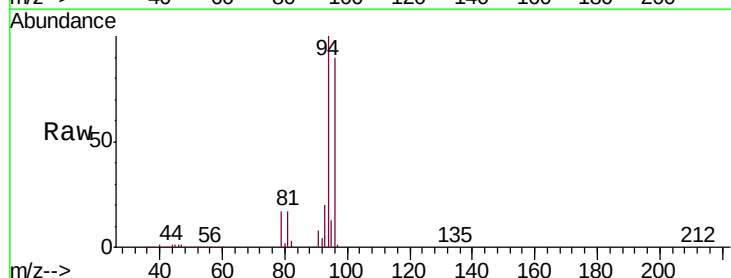
Acq: 6 Mar 2019 5:52

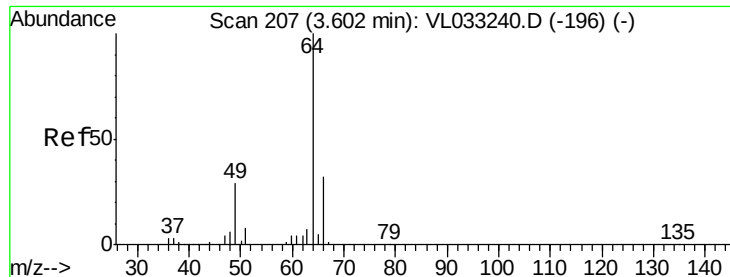
Tgt Ion: 94 Resp: 567419

Ion Ratio Lower Upper

94 100

96 89.6 74.0 111.0





#7

Chloroethane

Concen: 15.491 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033246.D

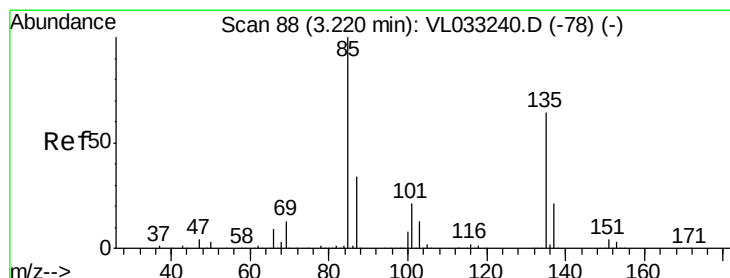
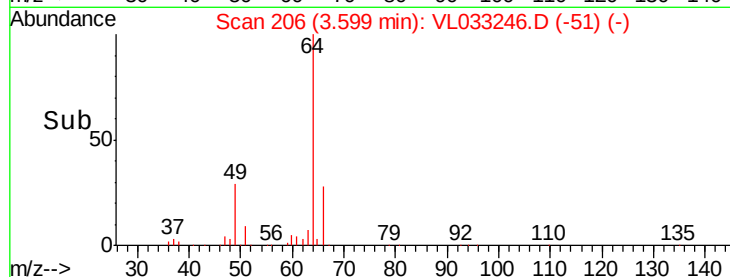
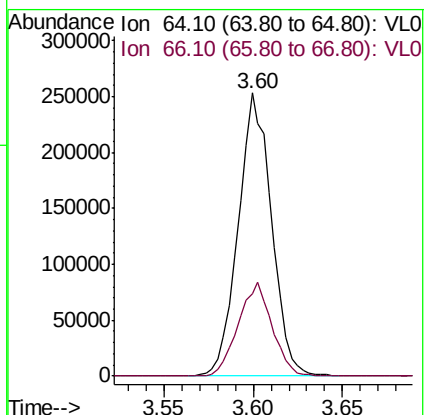
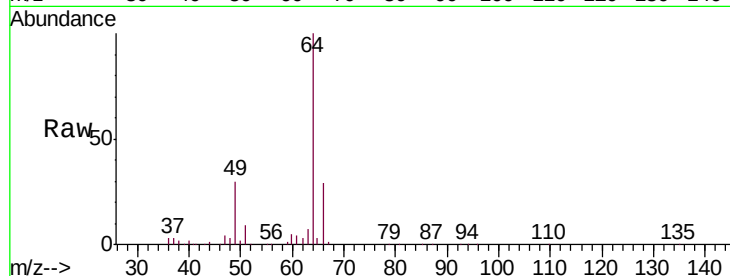
Acq: 6 Mar 2019 5:52

Tgt 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

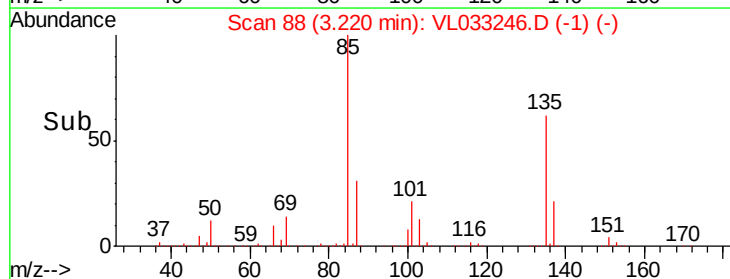
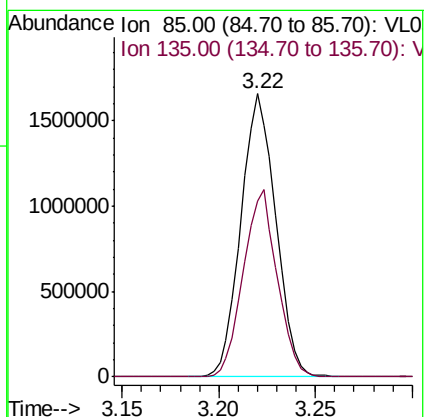
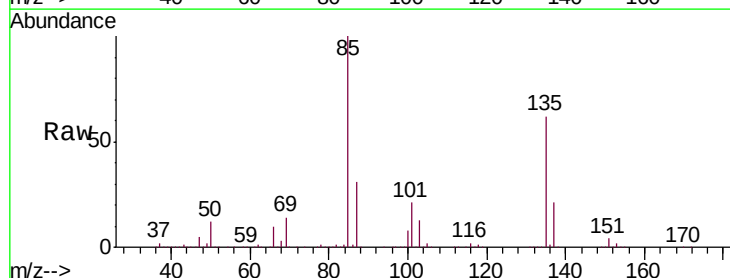
Acq: 6 Mar 2019 5:52

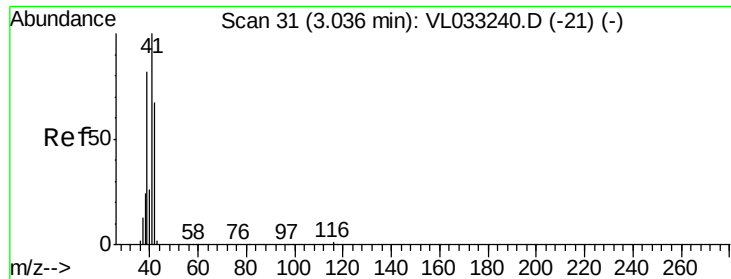
Tgt Ion: 85 Resp: 2078862

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

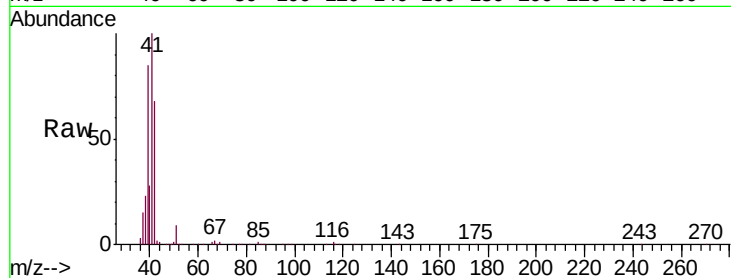
Acq: 6 Mar 2019 5:52

Tgt Ion: 41 Resp: 845391

Ion Ratio Lower Upper

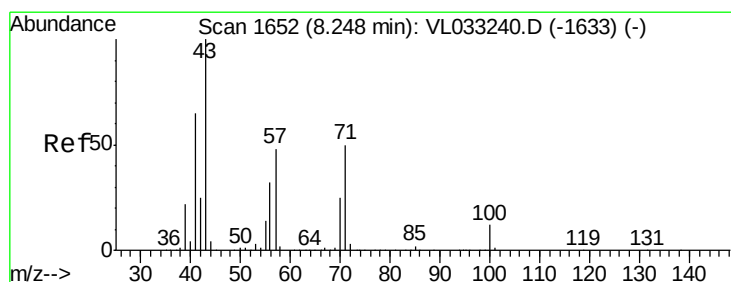
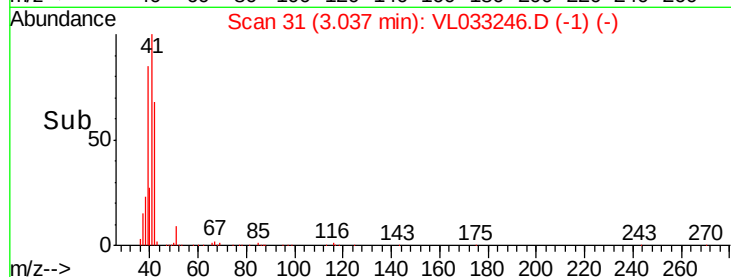
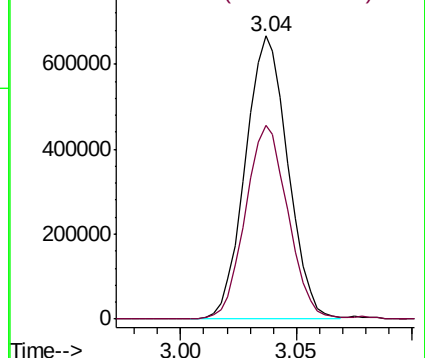
41 100

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

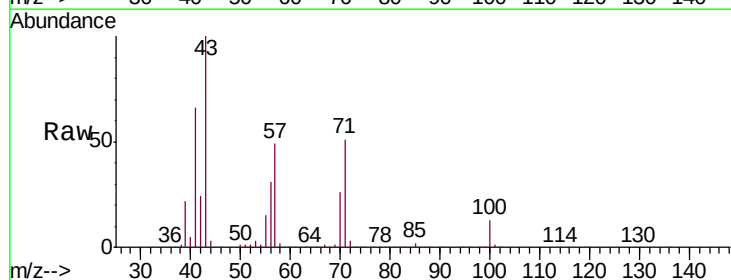
Acq: 6 Mar 2019 5:52

Tgt Ion: 43 Resp: 1996257

Ion Ratio Lower Upper

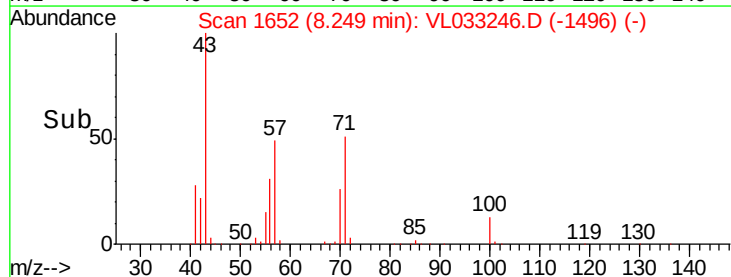
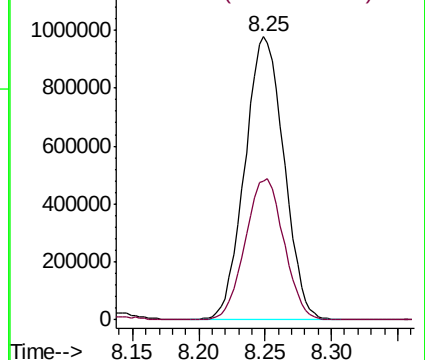
43 100

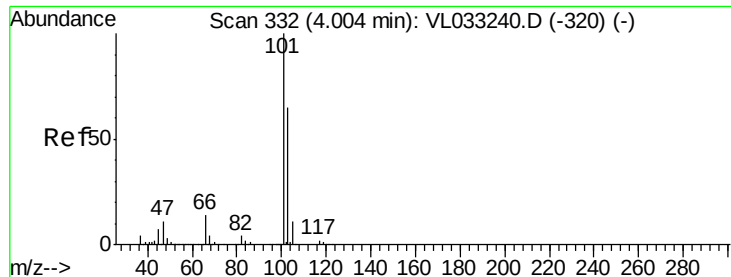
57 49.7 39.8 59.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

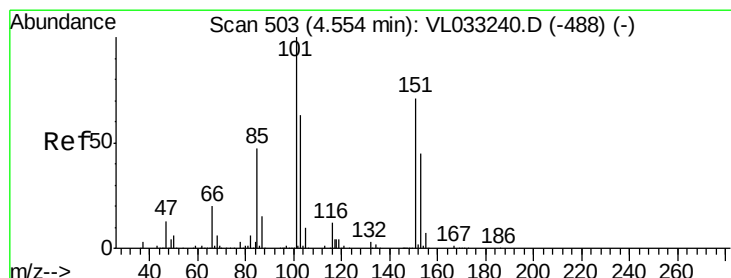
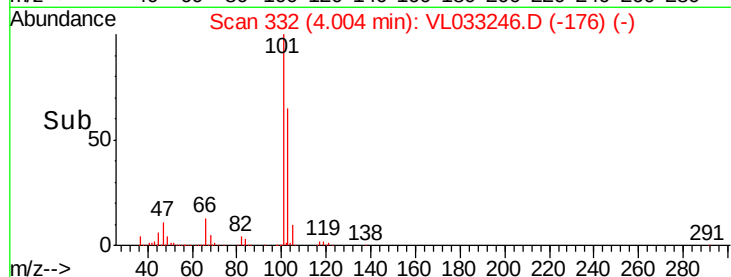
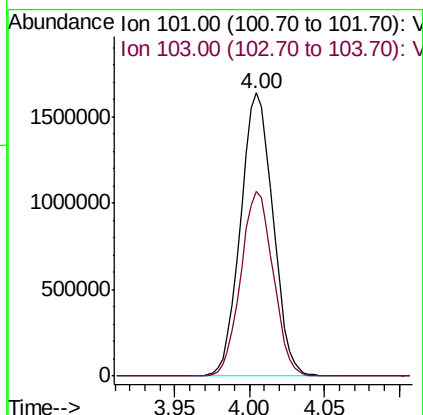
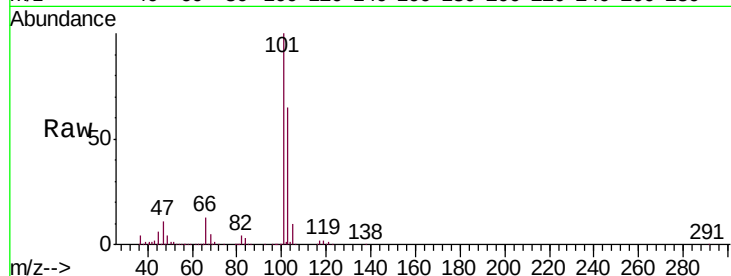
Ion 57.10 (56.80 to 57.80): VL0





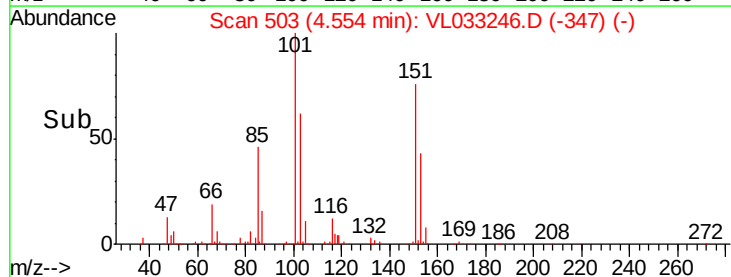
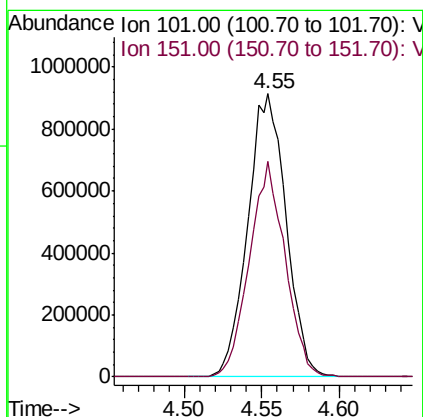
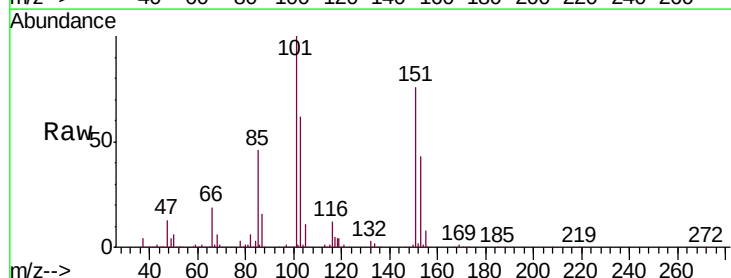
#11
 Trichlorofluoromethane
 Concen: 16.176 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

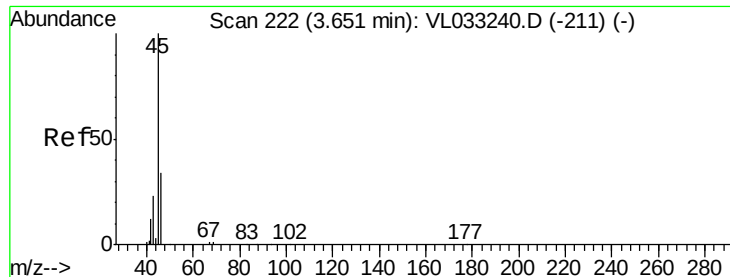
Tgt Ion:101 Resp: 2476902
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.7 77.5



#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

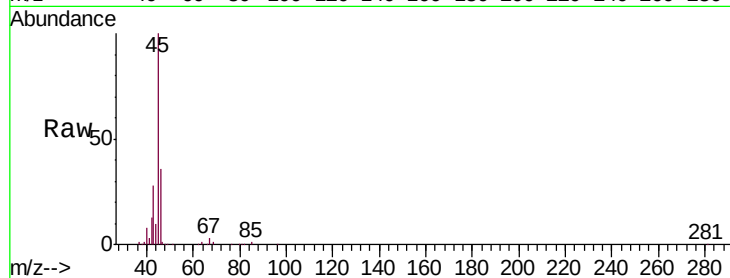
Acq: 6 Mar 2019 5:52

Tgt 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

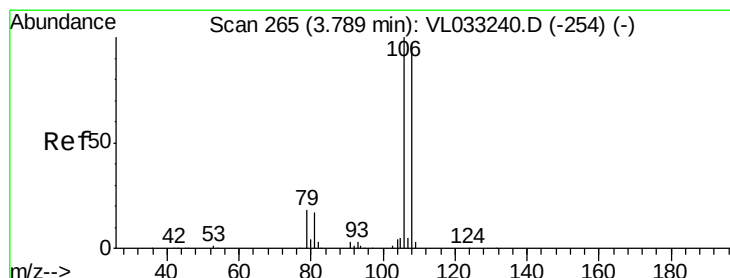
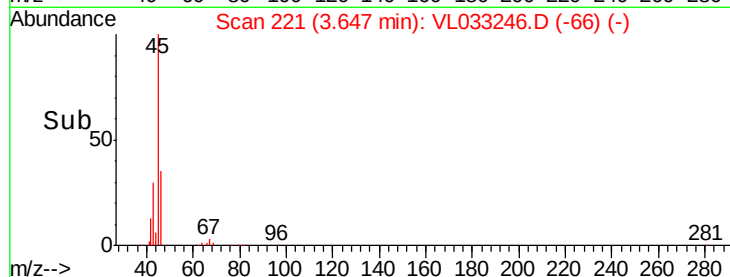
40000

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

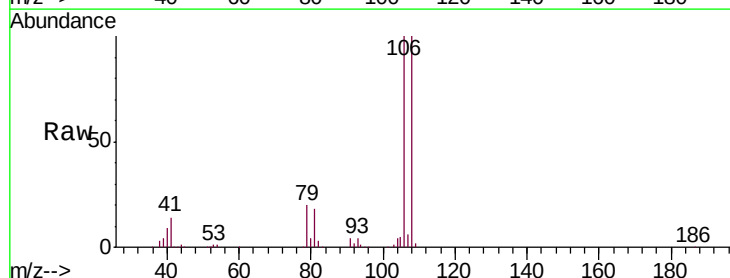
Tgt Ion: 108 Resp: 693914

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

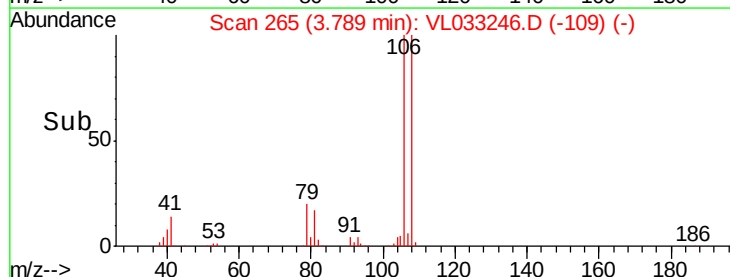
400000

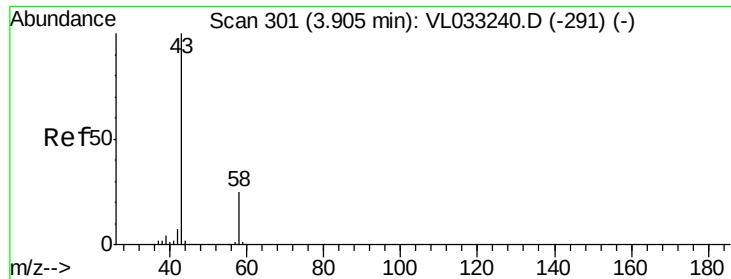
200000

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

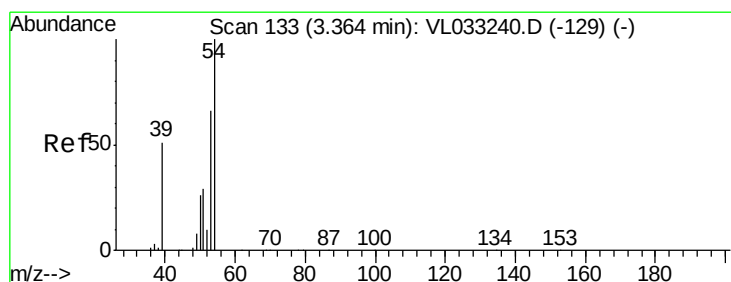
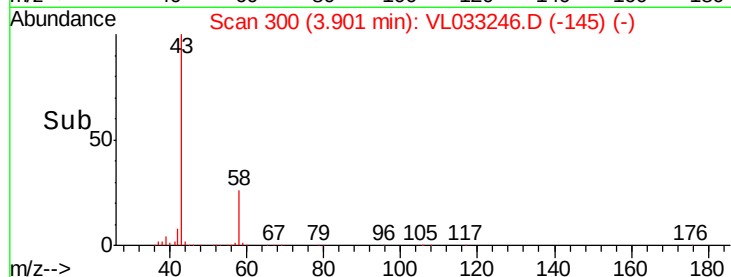
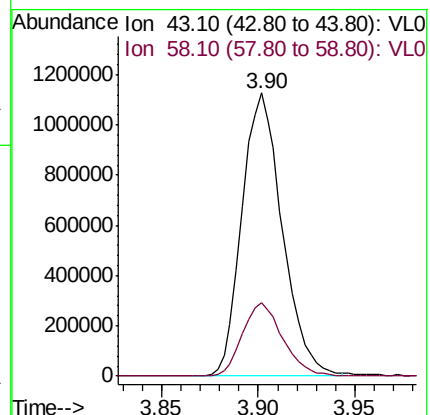
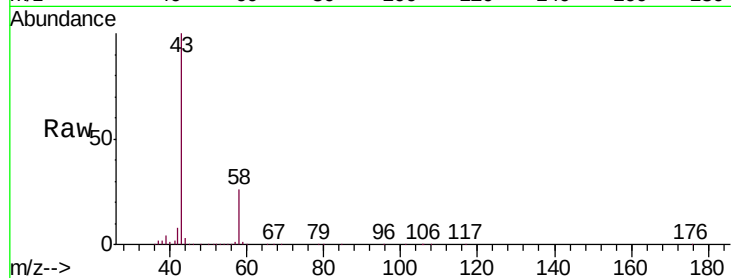
Acq: 6 Mar 2019 5:52

Tgt Ion: 43 Resp: 1636314

Ion Ratio Lower Upper

43 100

58 26.0 20.2 30.4



#16

1,3-Butadiene

Concen: 15.292 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033246.D

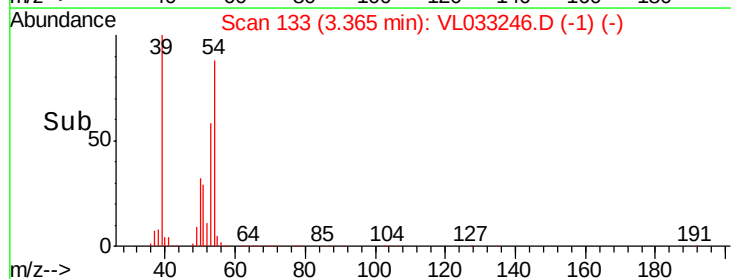
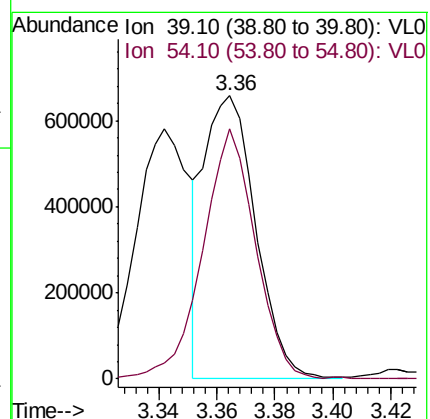
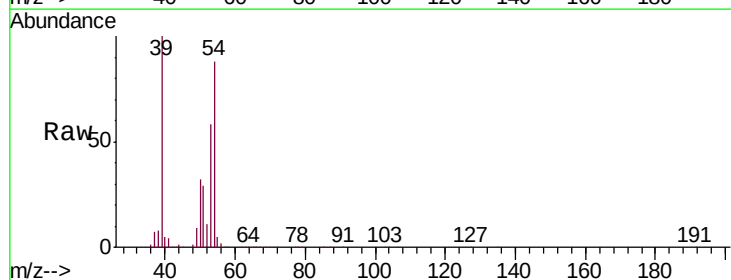
Acq: 6 Mar 2019 5:52

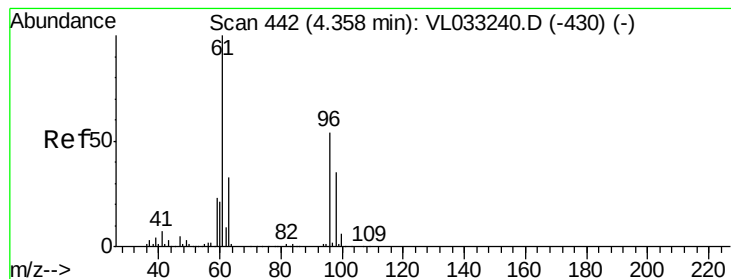
Tgt Ion: 39 Resp: 806159

Ion Ratio Lower Upper

39 100

54 92.0 69.6 104.4





#17

tert-Butyl alcohol

Concen: 12.730 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL033246.D

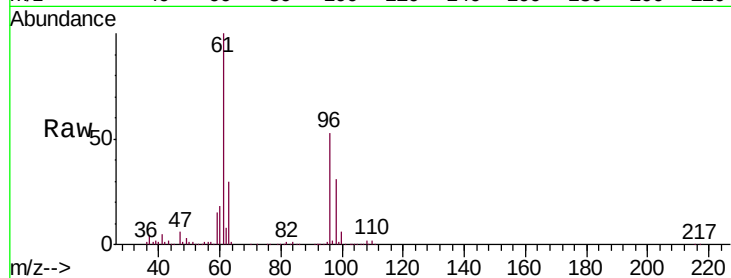
Acq: 6 Mar 2019 5:52

Tgt 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

4.35

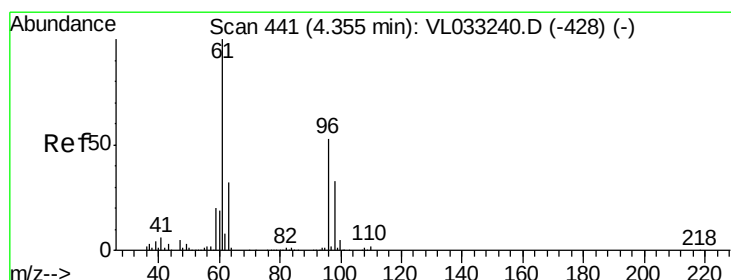
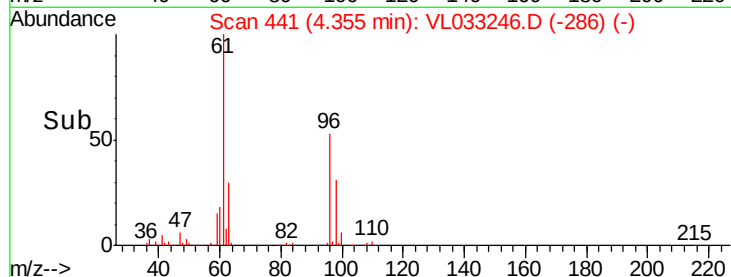
150000

100000

50000

0

Time-->



#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

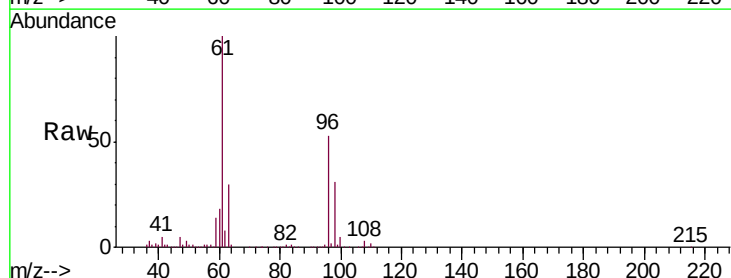
Tgt Ion: 96 Resp: 750902

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

4.35

1200000

1000000

800000

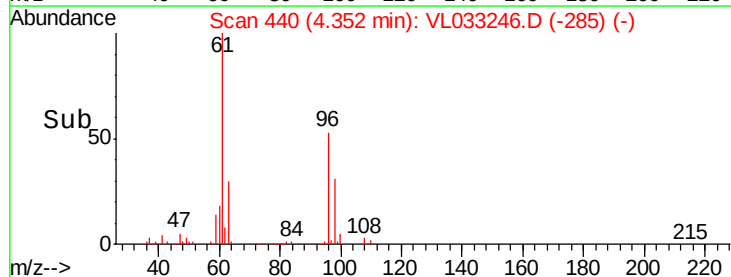
600000

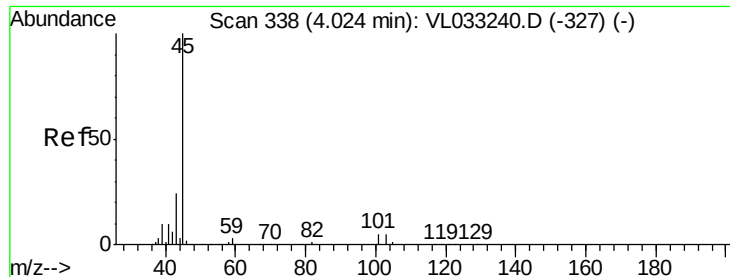
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 11.867 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033246.D

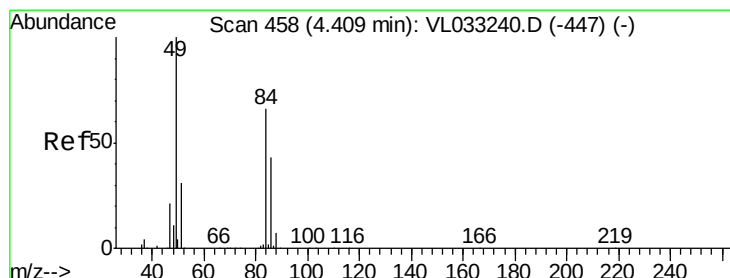
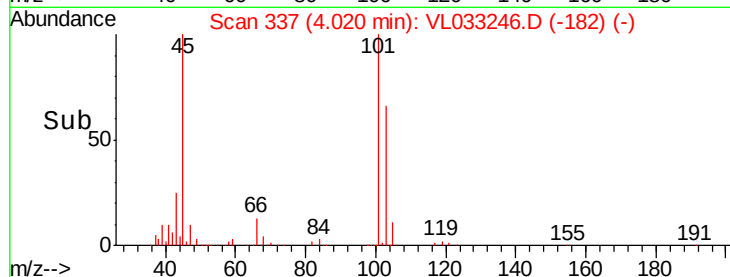
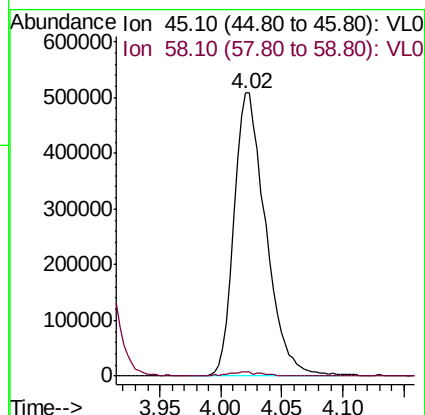
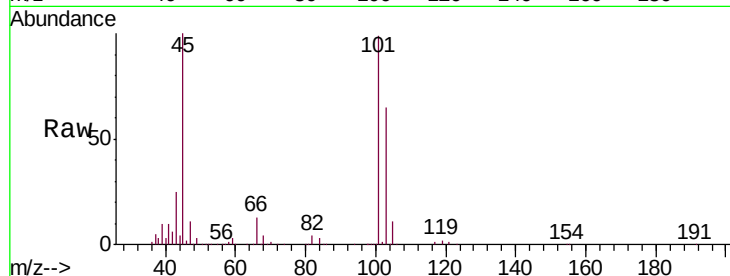
Acq: 6 Mar 2019 5:52

Tgt 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

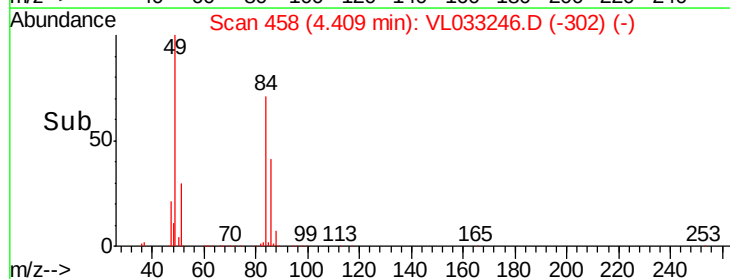
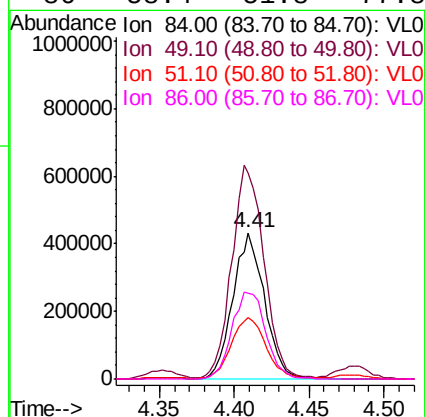
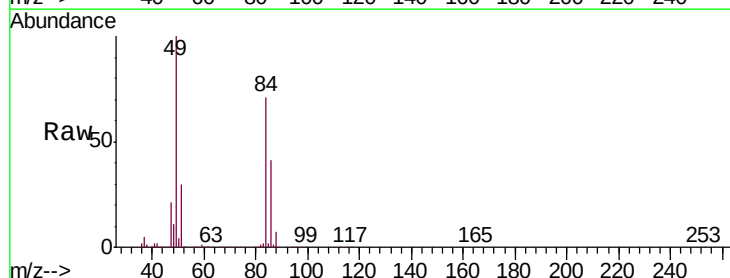
Ion Ratio Lower Upper

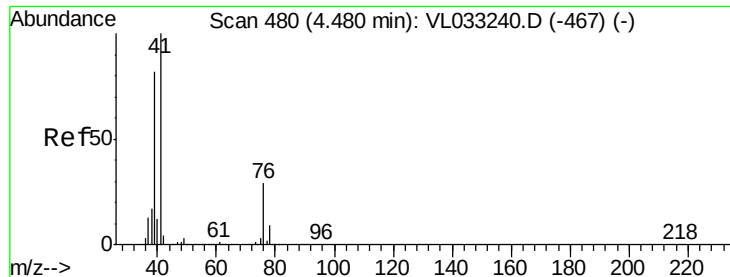
84 100

49 140.0 120.4 180.6

51 42.2 36.7 55.1

86 58.4 51.8 77.8

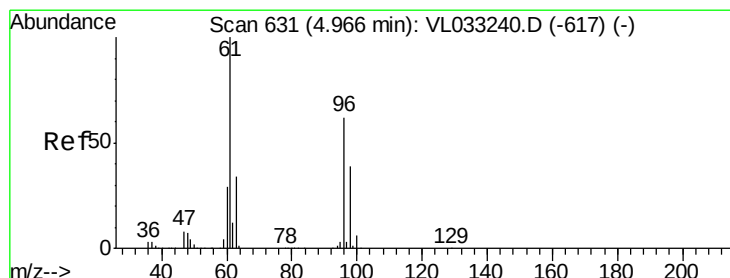
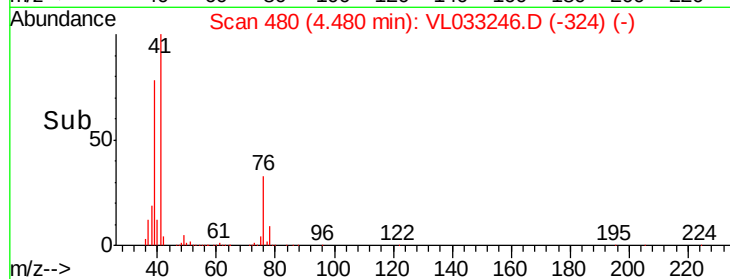
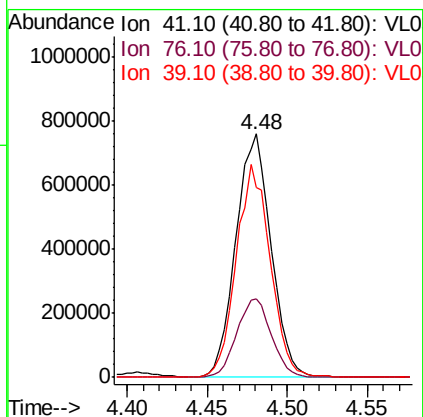
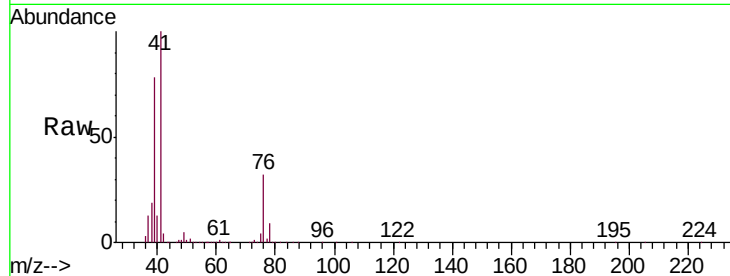




#21
 Allyl Chloride
 Concen: 15.496 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

Tgt Ion: 41 Resp: 1127276

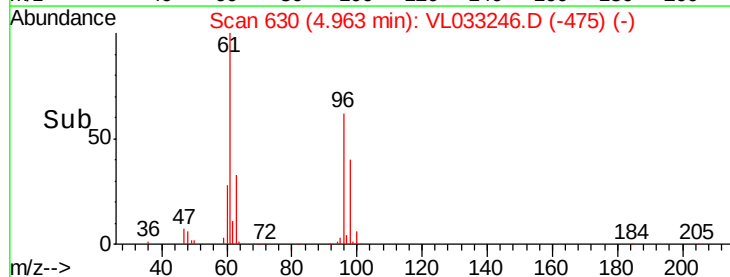
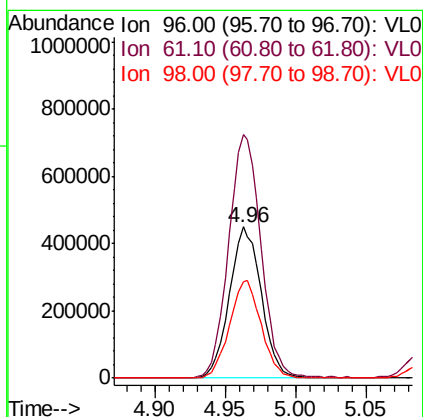
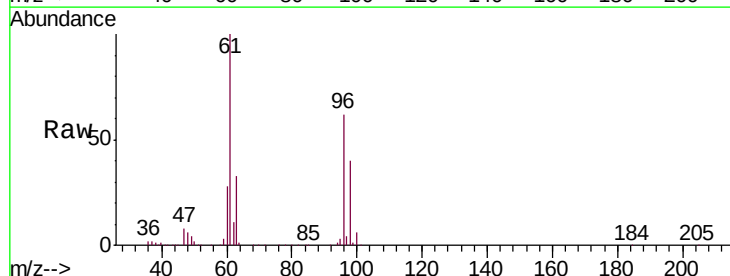
Ion	Ratio	Lower	Upper
41	100		
76	31.7	24.6	36.8
39	84.8	65.2	97.8

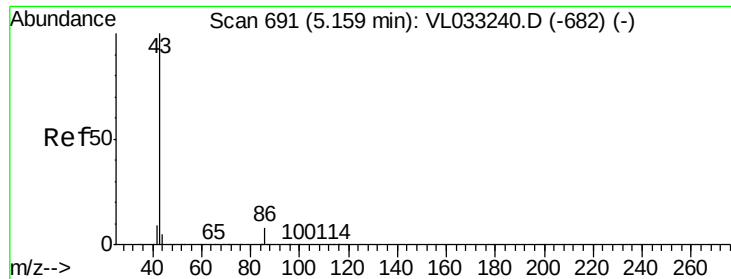


#22
 trans-1,2-Dichloroethene
 Concen: 15.247 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

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





#23

Vinyl Acetate

Concen: 14.273 ppbv

RT: 5.16 min Scan# 690

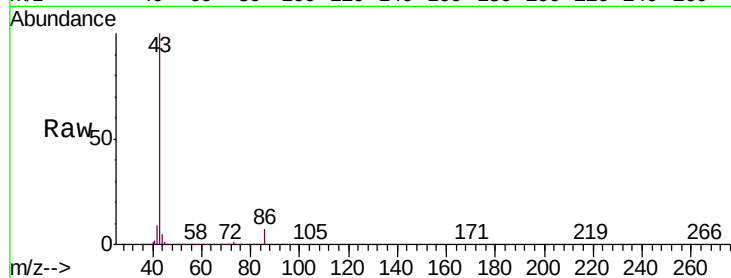
Delta R.T. -0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tgt 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



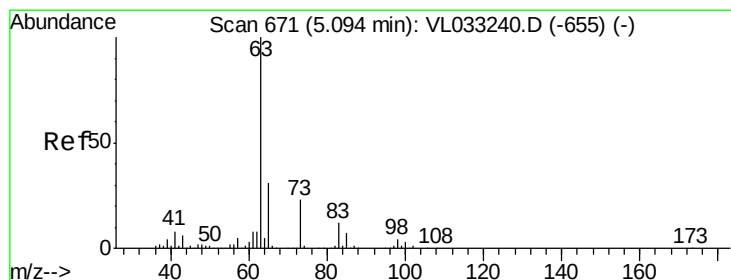
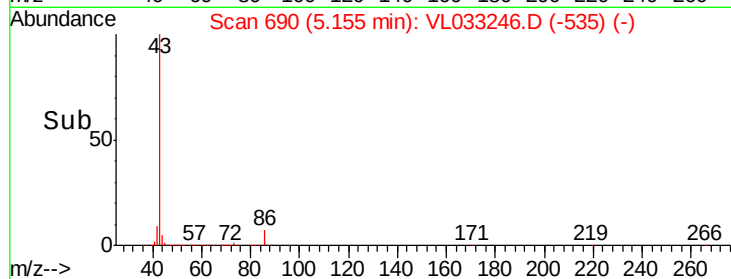
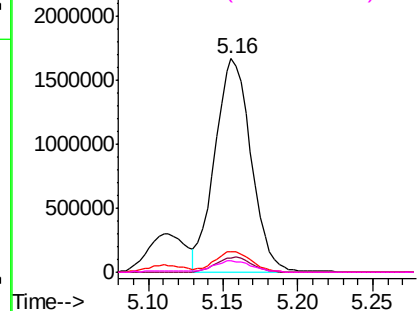
Abundance

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

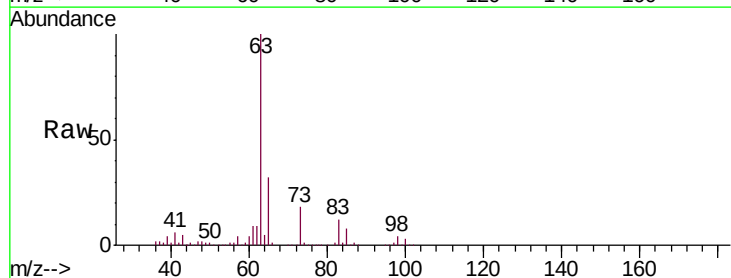
Delta R.T. -0.00 min

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

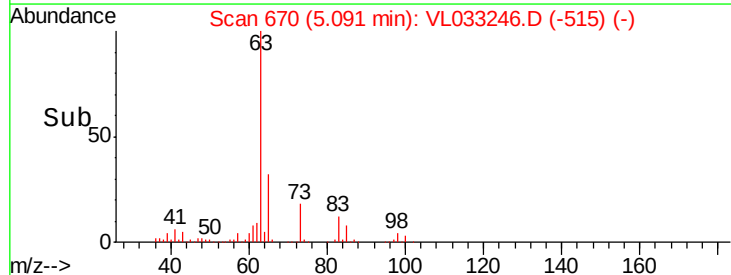
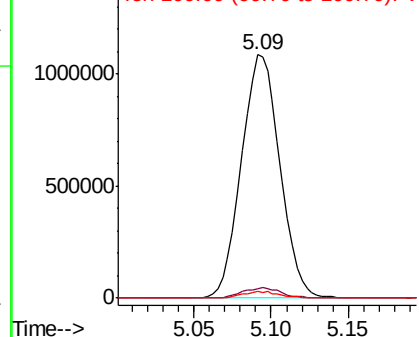


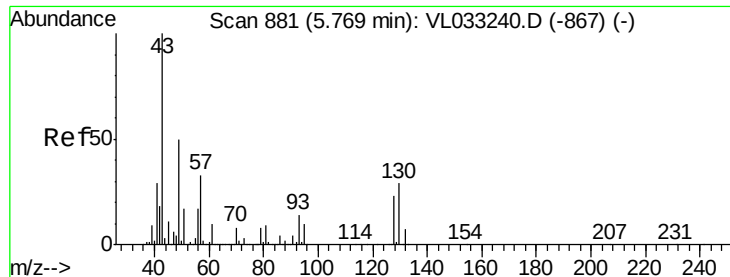
Abundance

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

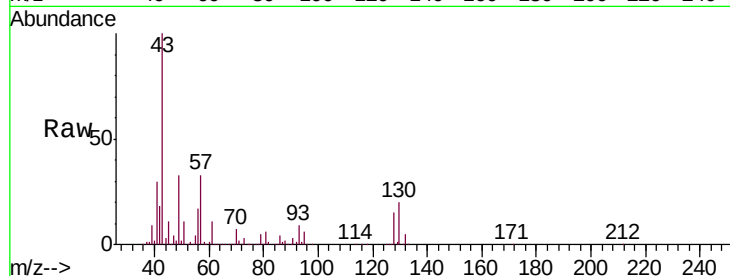




#25
Ethyl Acetate
Concen: 12.878 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

Tgt 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



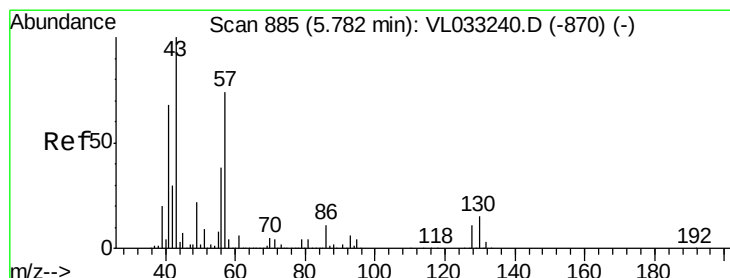
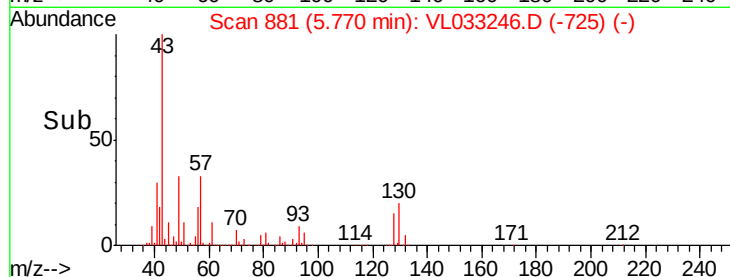
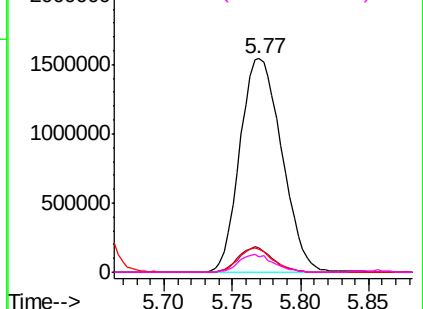
Abundance

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

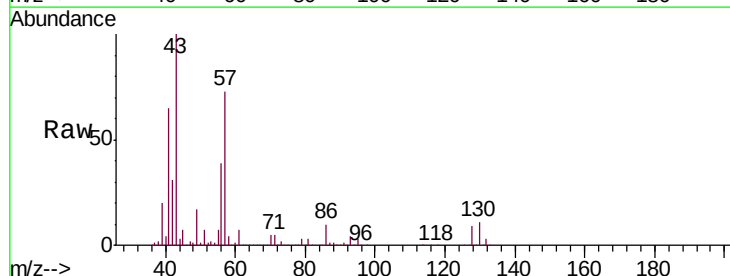
Ion 70.10 (69.80 to 70.80): VL0



#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



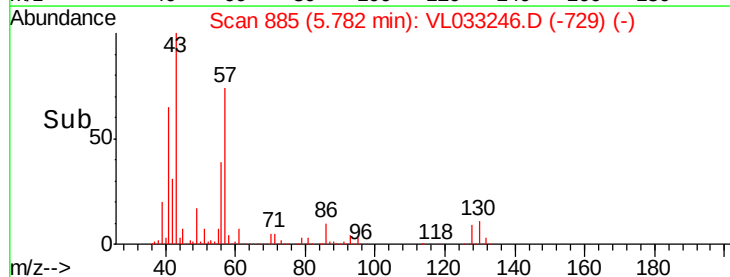
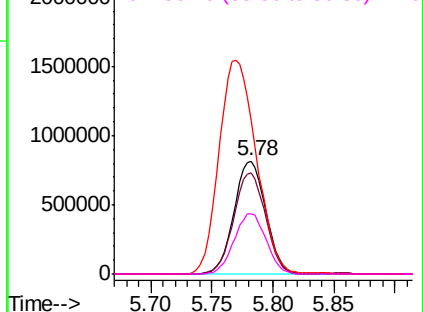
Abundance

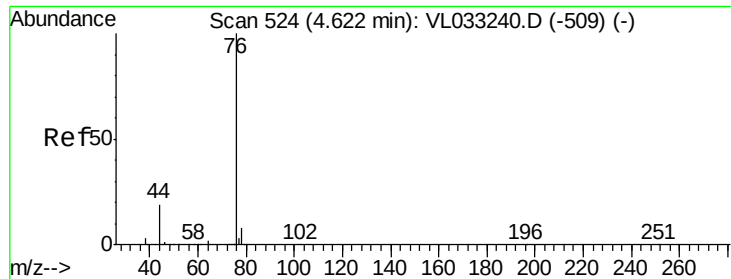
Ion 57.10 (56.80 to 57.80): VL0

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

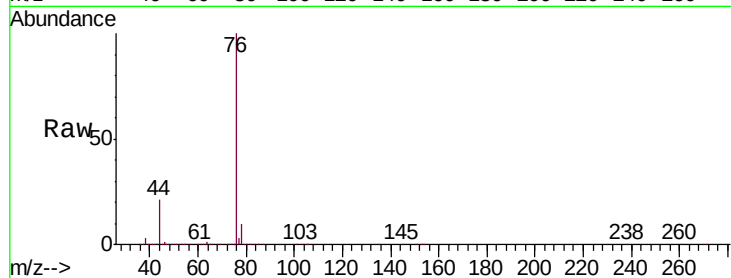
Delta R.T. -0.00 min

Lab File: VL033246.D

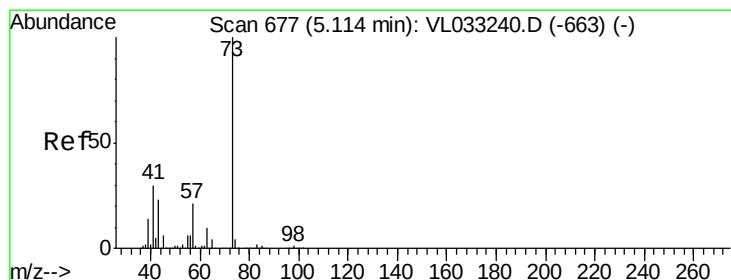
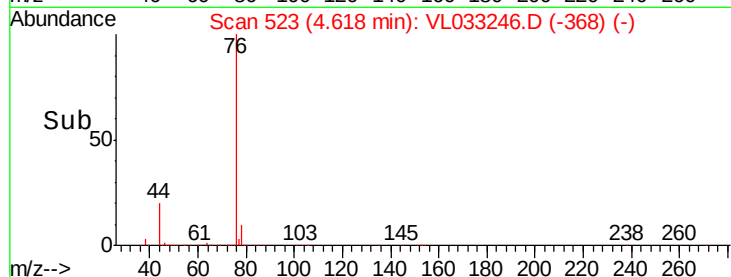
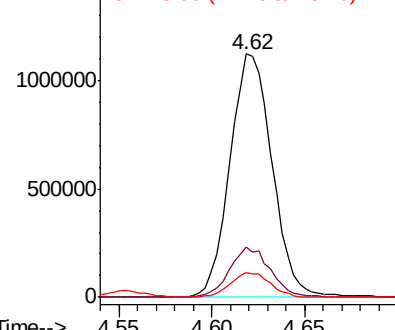
Acq: 6 Mar 2019 5:52

Tgt 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

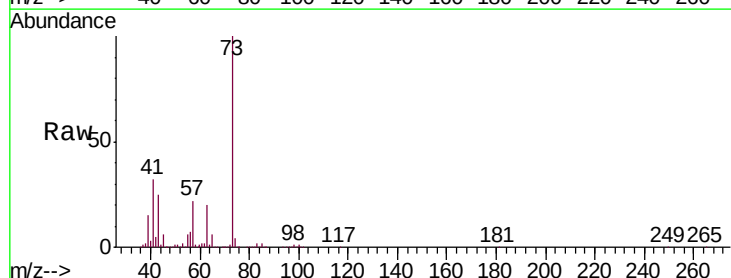
Delta R.T. 0.00 min

Lab File: VL033246.D

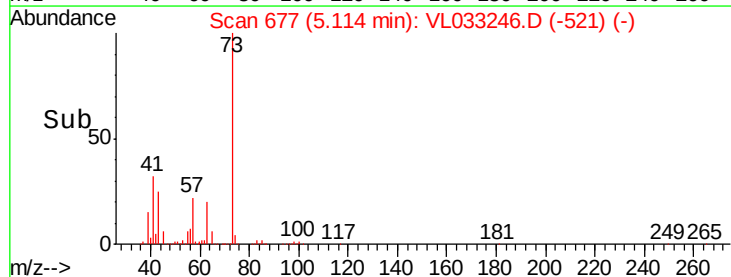
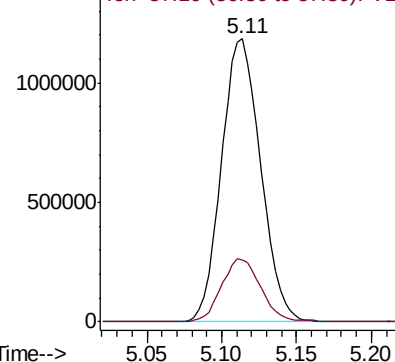
Acq: 6 Mar 2019 5:52

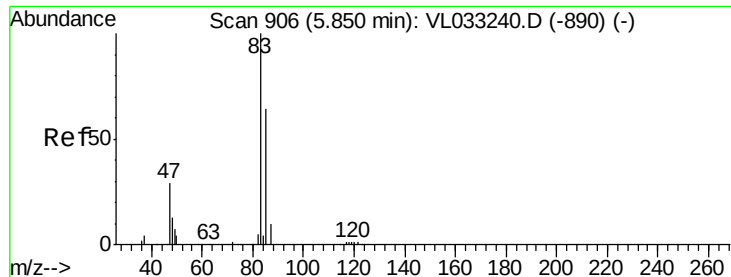
Tgt Ion: 73 Resp: 2160440

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

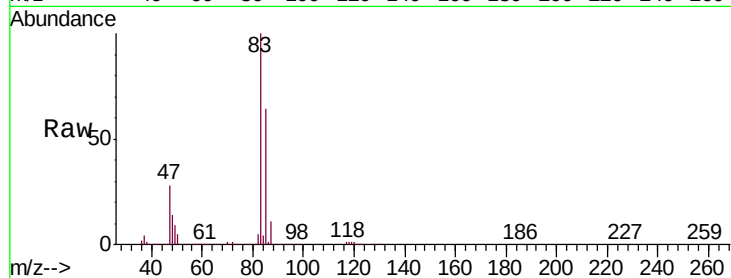
Acq: 6 Mar 2019 5:52

Tgt Ion: 83 Resp: 2421659

Ion Ratio Lower Upper

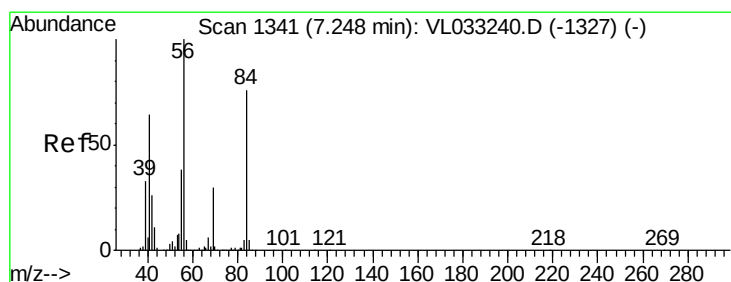
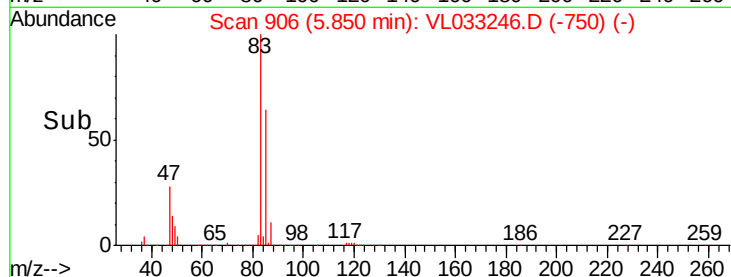
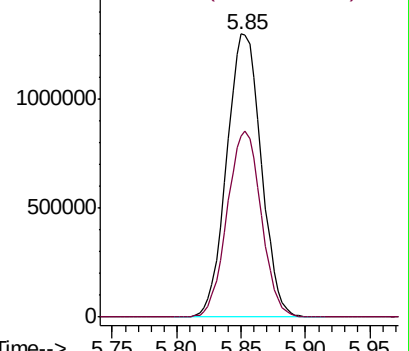
83 100

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



#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

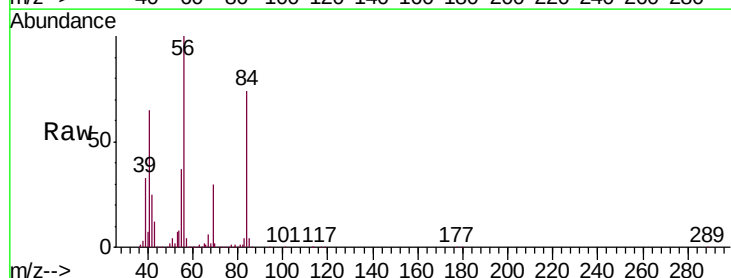
Tgt Ion: 84 Resp: 1200649

Ion Ratio Lower Upper

84 100

56 139.5 113.1 169.7

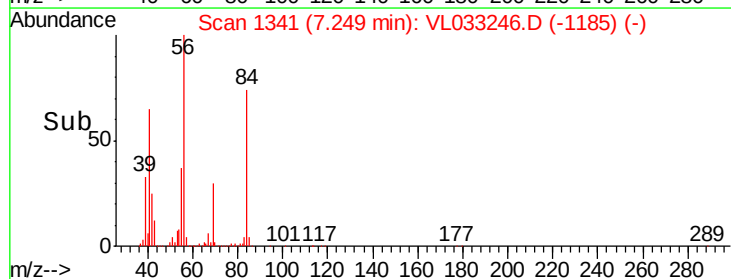
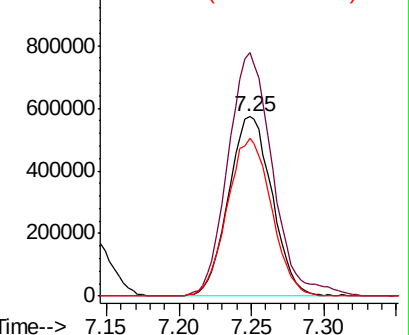
41 89.0 70.8 106.2

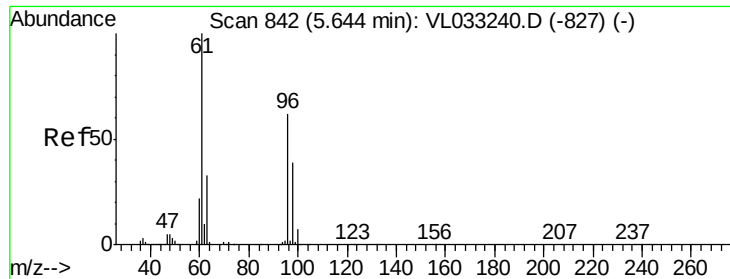


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



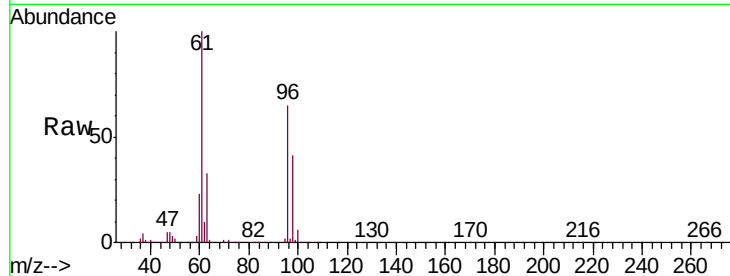


#31

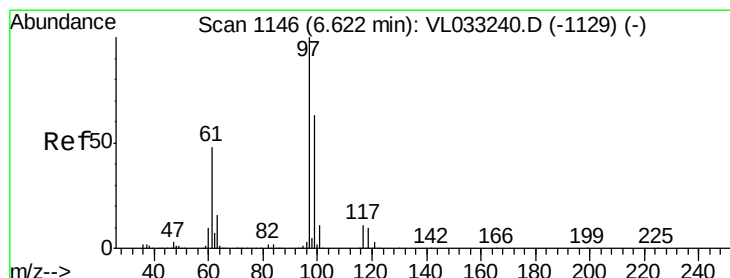
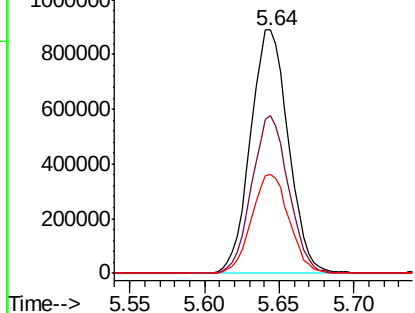
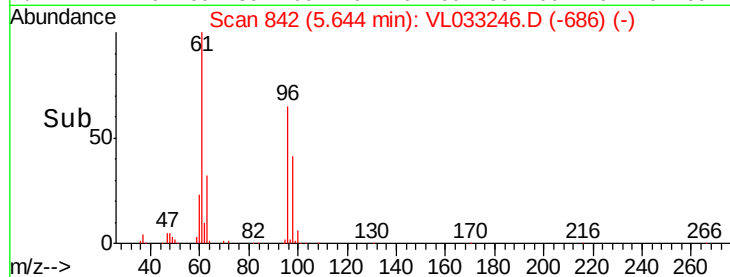
cis-1,2-Dichloroethene
 Concen: 13.163 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

Tgt 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

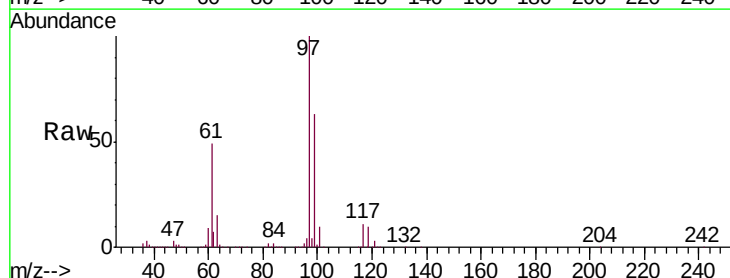


#32

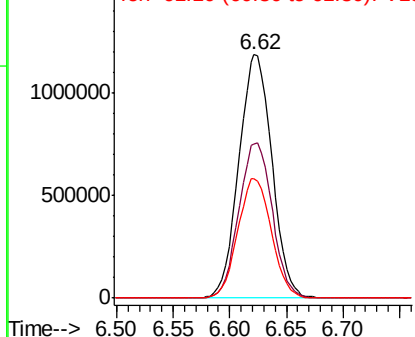
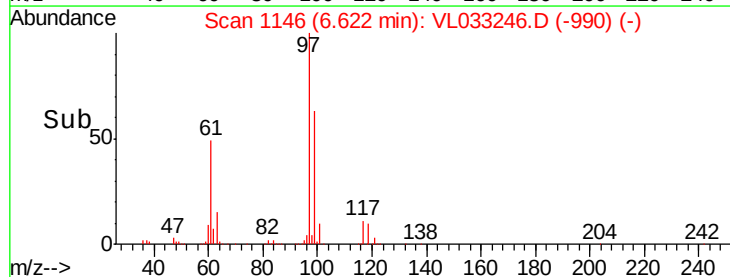
1,1,1-Trichloroethane
 Concen: 11.985 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

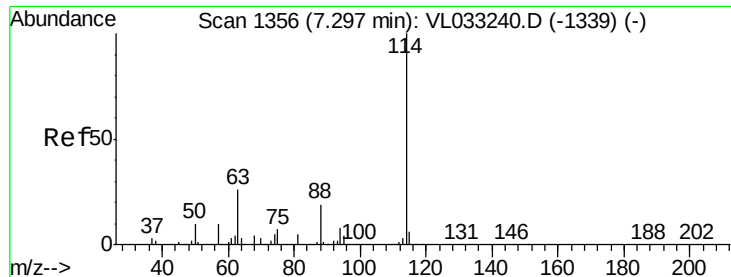
Tgt Ion: 97 Resp: 2417551

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

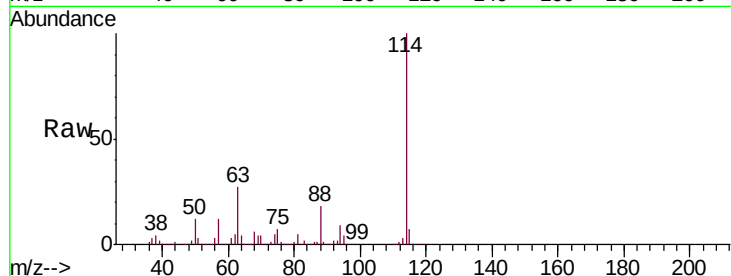
Tgt Ion: 114 Resp: 2258001

Ion Ratio Lower Upper

114 100

63 28.0 22.0 33.0

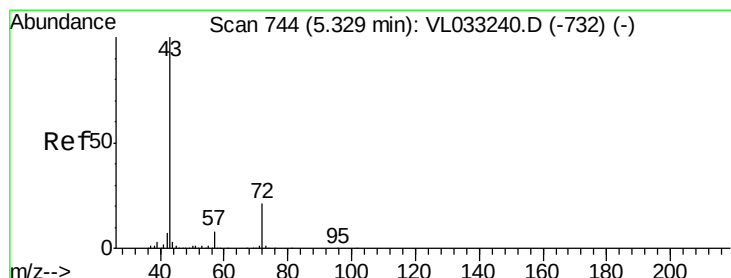
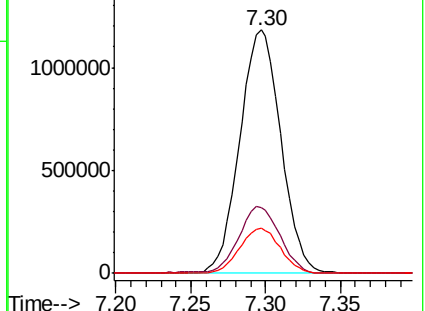
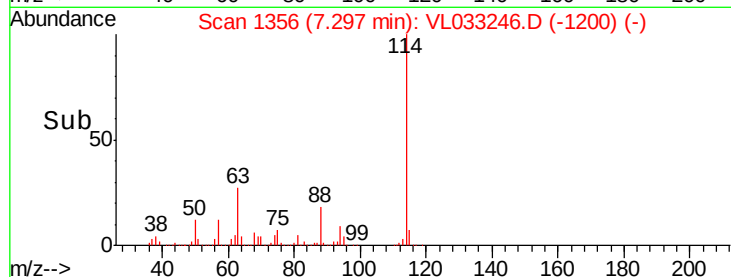
88 18.4 15.0 22.4



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

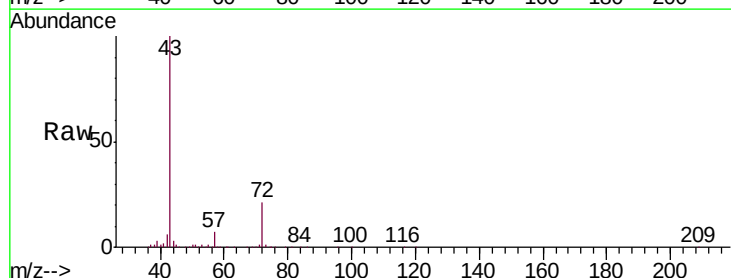
Acq: 6 Mar 2019 5:52

Tgt Ion: 43 Resp: 2268401

Ion Ratio Lower Upper

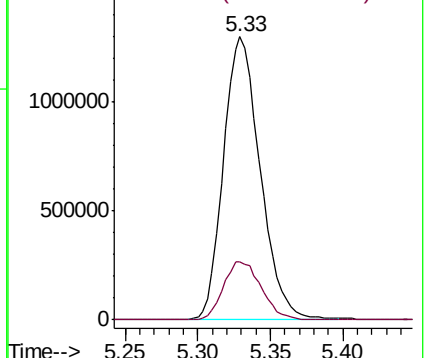
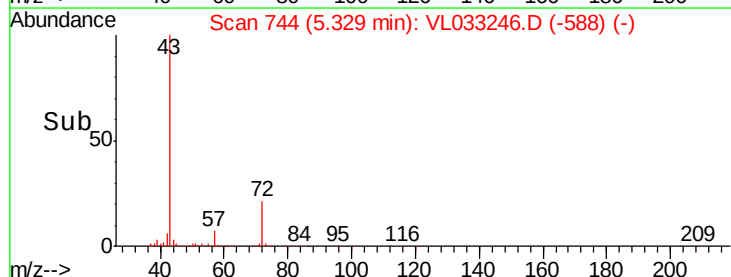
43 100

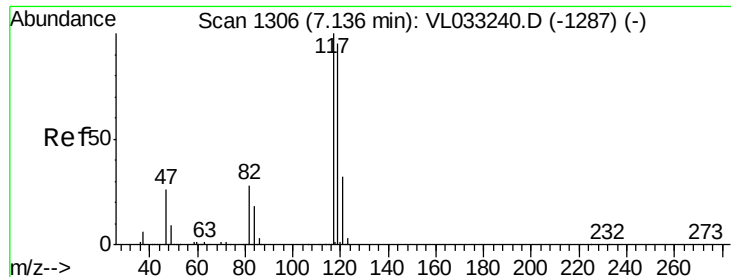
72 21.4 17.1 25.7



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

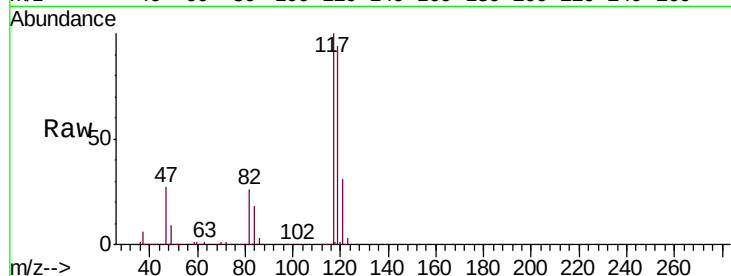
Tgt Ion: 117 Resp: 2433550

Ion Ratio Lower Upper

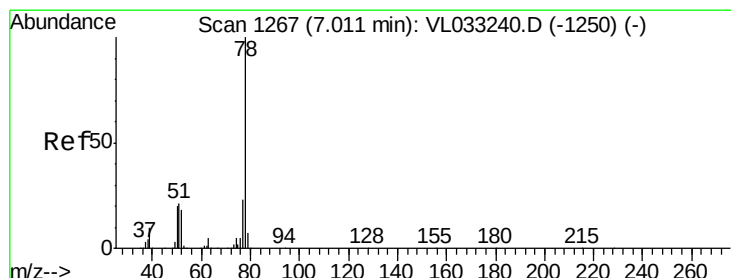
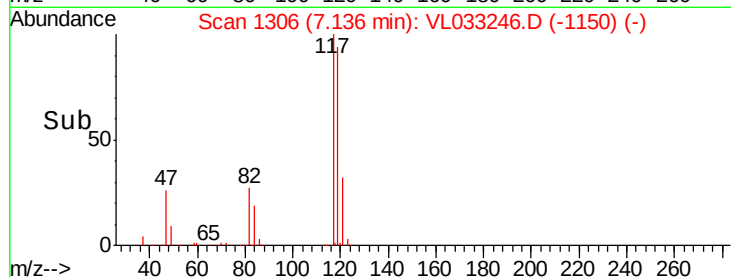
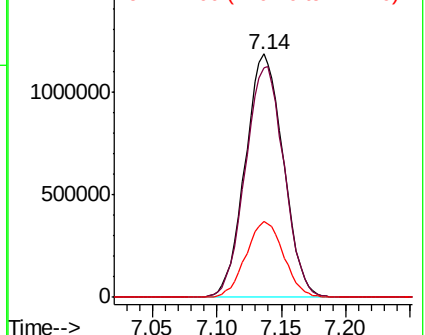
117 100

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

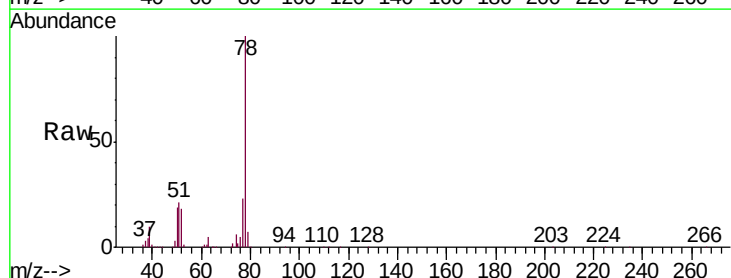
Tgt Ion: 78 Resp: 3038846

Ion Ratio Lower Upper

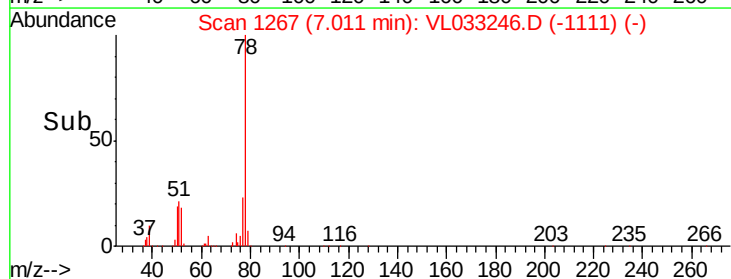
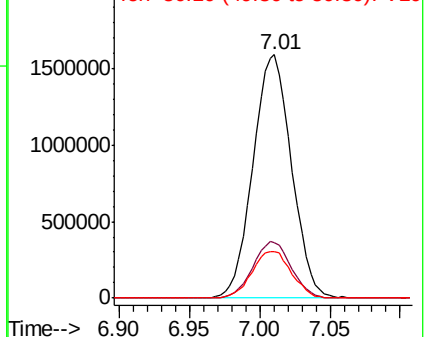
78 100

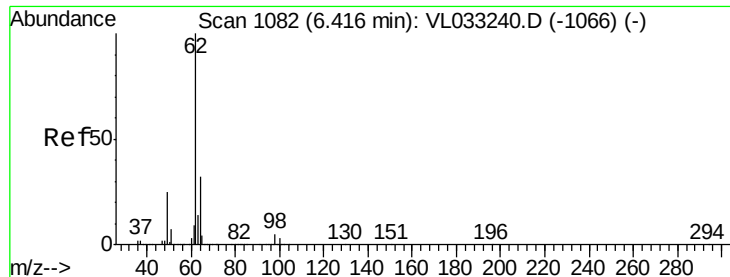
77 22.6 18.0 27.0

50 19.2 16.2 24.4



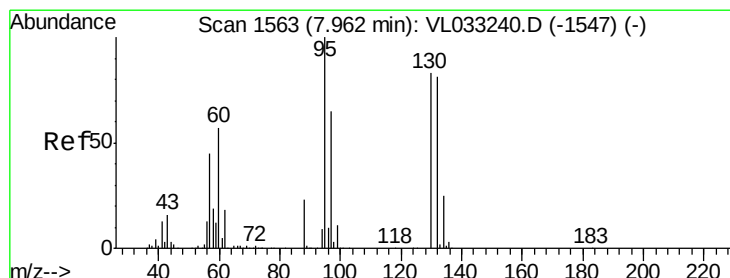
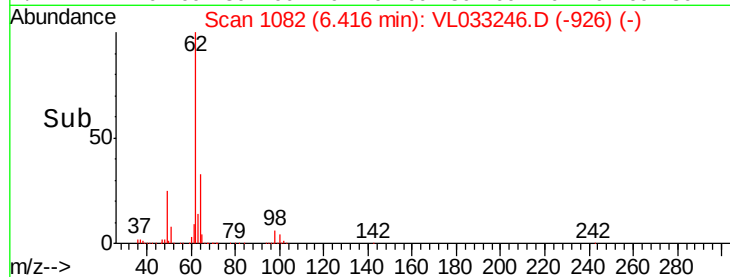
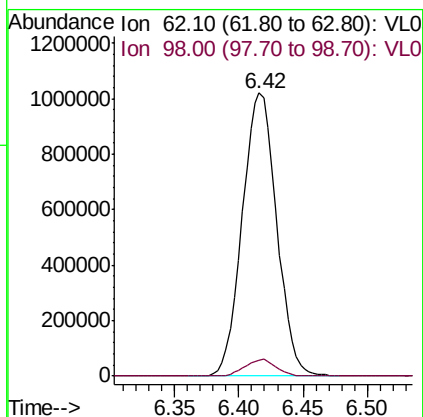
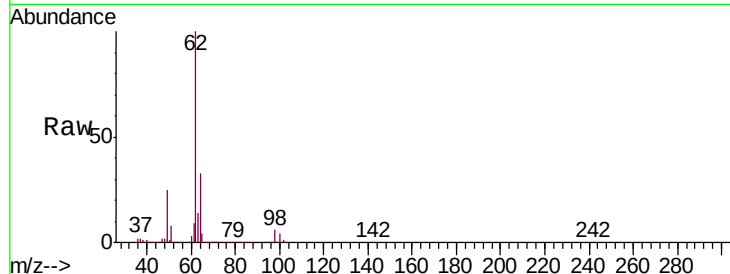
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





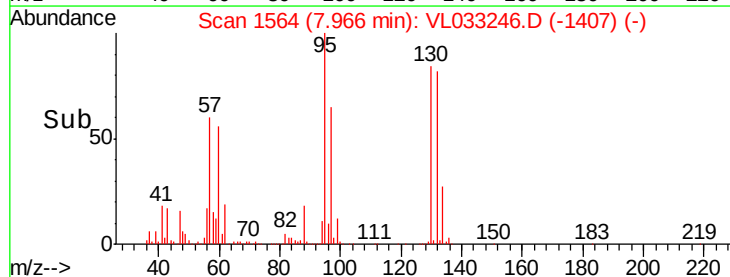
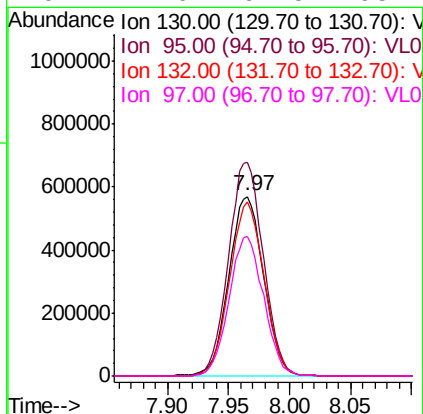
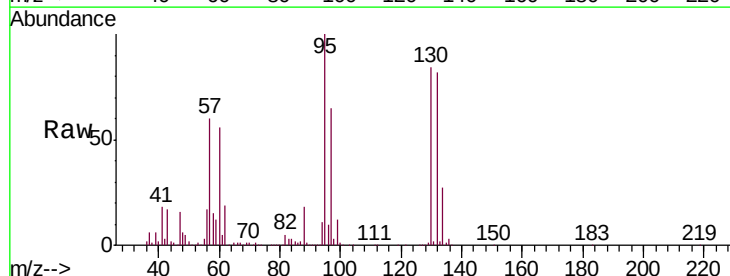
#37
 1,2-Dichloroethane
 Concen: 14.328 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

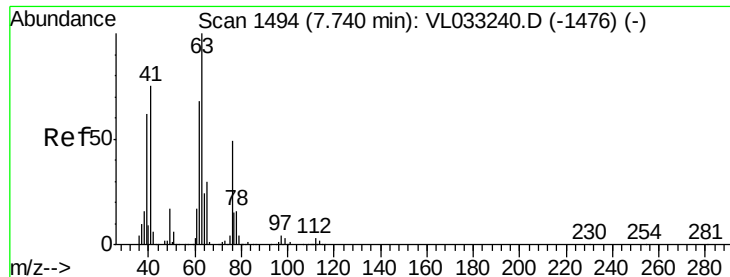
Tgt Ion: 62 Resp: 1895660
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7



#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





#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

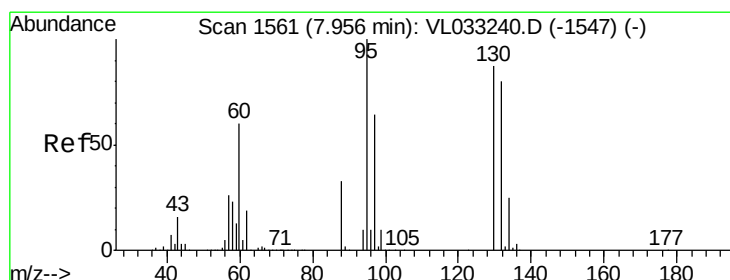
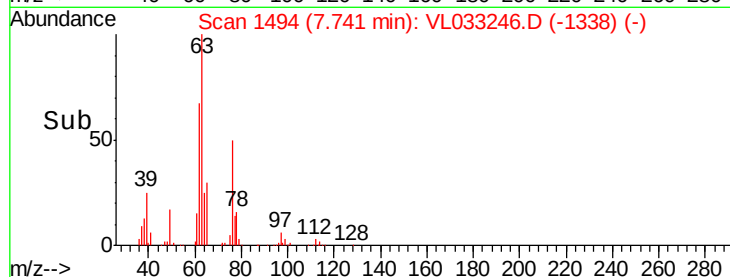
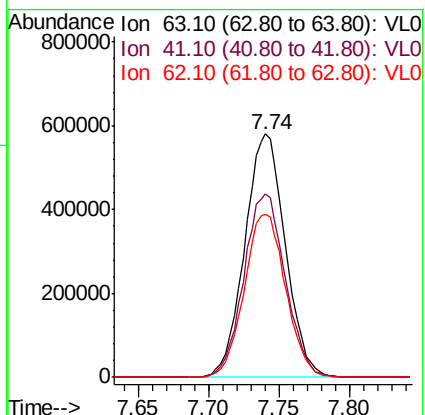
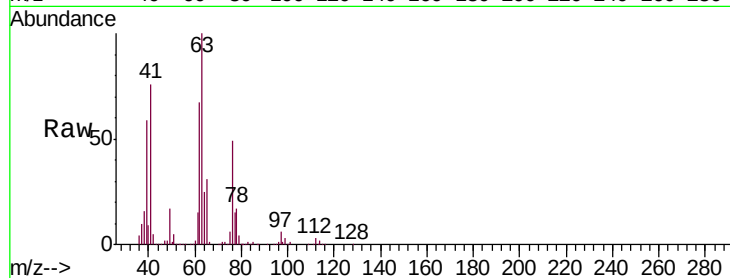
Tgt Ion: 63 Resp: 1168113

Ion Ratio Lower Upper

63 100

41 75.5 60.0 90.0

62 66.9 54.2 81.4



#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

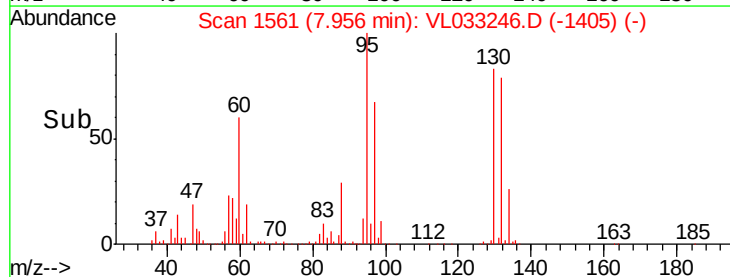
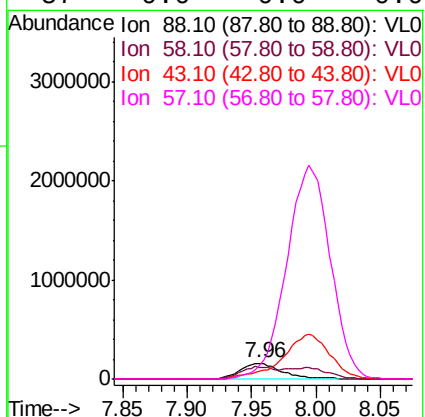
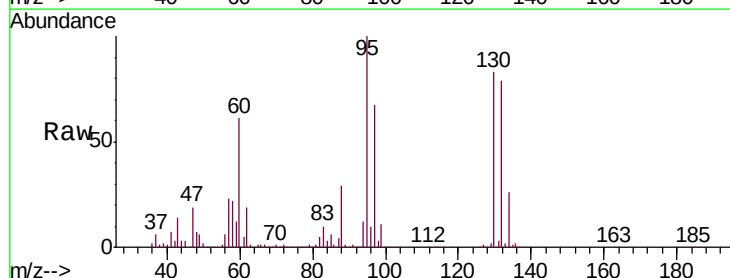
Ion Ratio Lower Upper

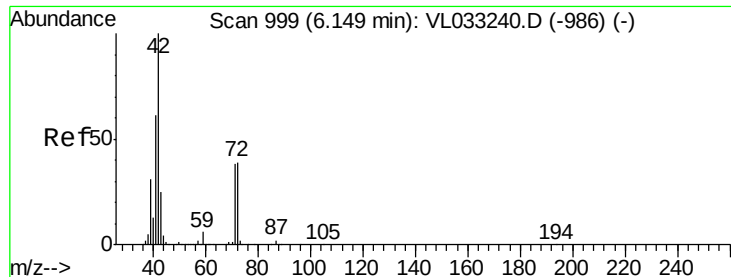
88 100

58 72.0 105.1 157.7#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 14.264 ppbv

RT: 6.15 min Scan# 998

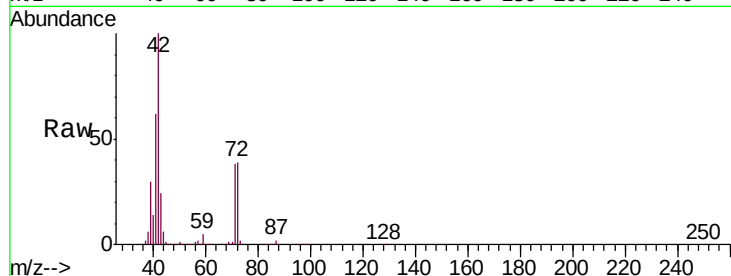
Delta R.T. -0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tgt Ion: 42 Resp: 1301050

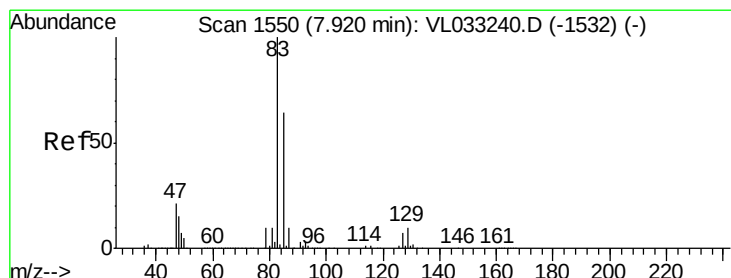
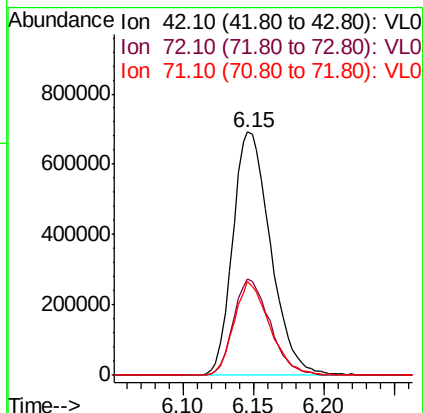
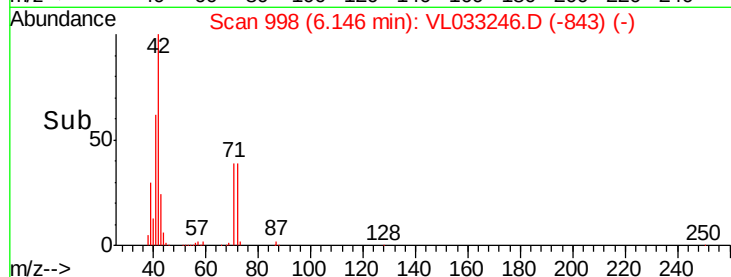
Ion	Ratio	Lower	Upper
42	100		
72	38.5	30.2	45.4
71	36.6	29.6	44.4



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

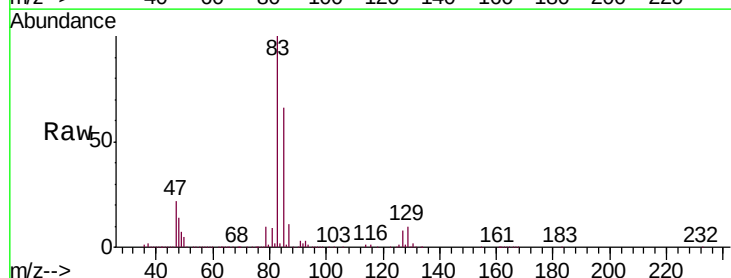
Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tgt Ion: 83 Resp: 2682411

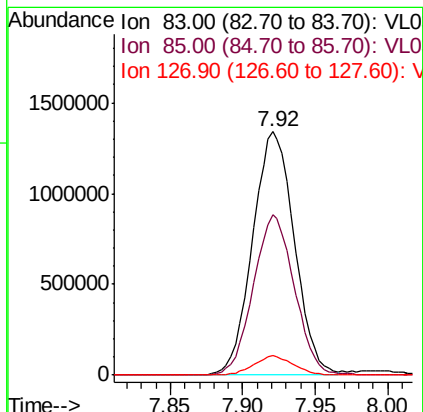
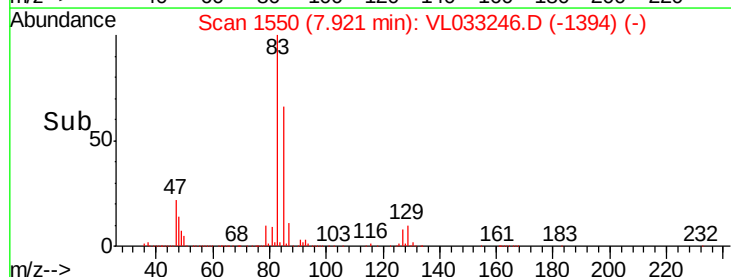
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3
127	8.1	5.9	8.9

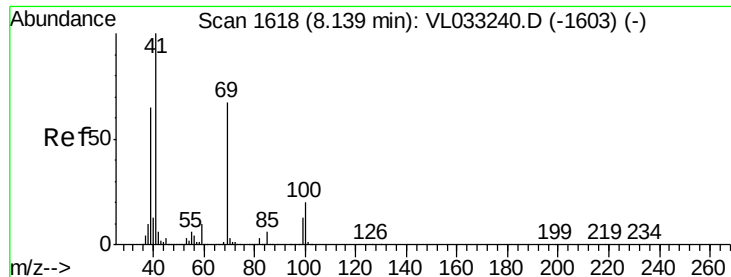


Abundance Ion 83.00 (82.70 to 83.70): VL0

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

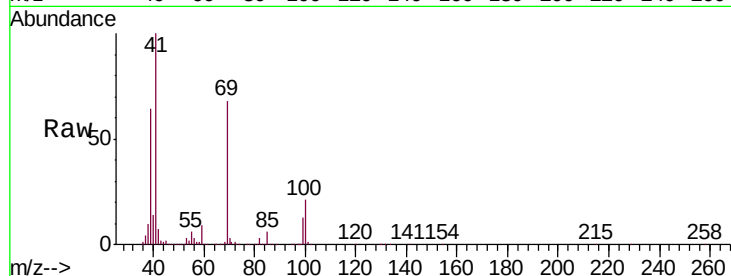
Tgt Ion: 69 Resp: 1287435

Ion Ratio Lower Upper

69 100

41 150.1 120.9 181.3

100 30.1 24.4 36.6

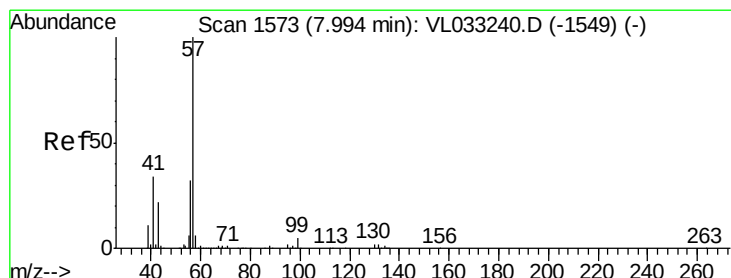
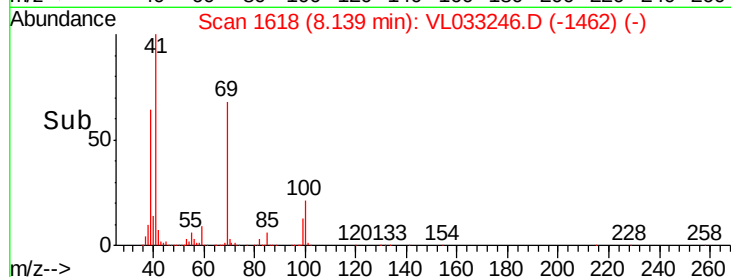
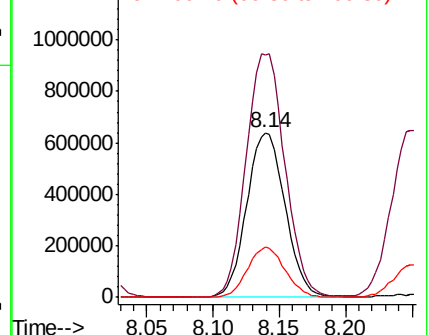


Abundance

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

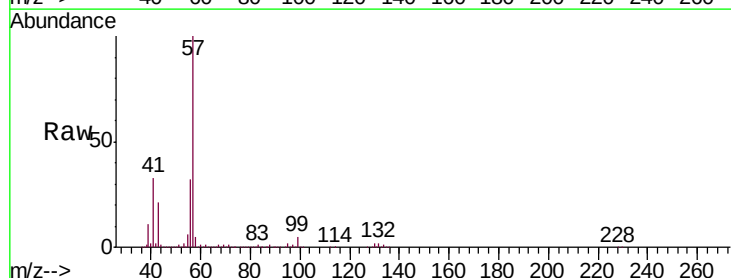
Tgt Ion: 57 Resp: 5087206

Ion Ratio Lower Upper

57 100

41 32.7 26.1 39.1

56 31.4 24.7 37.1

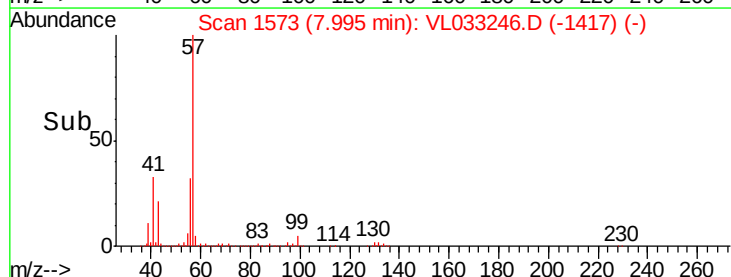
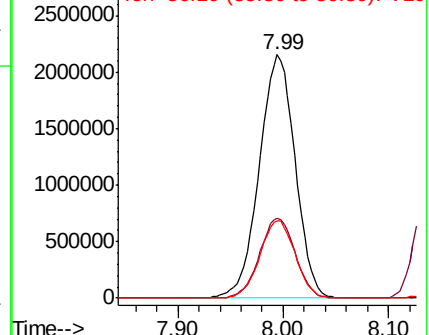


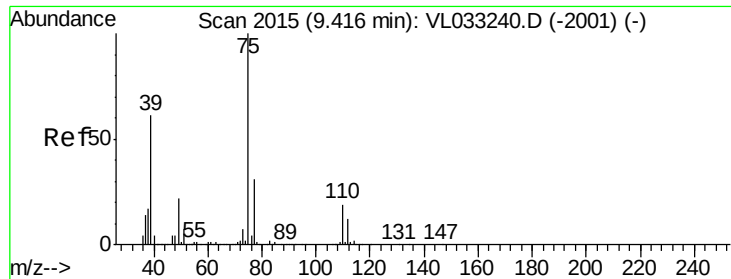
Abundance

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

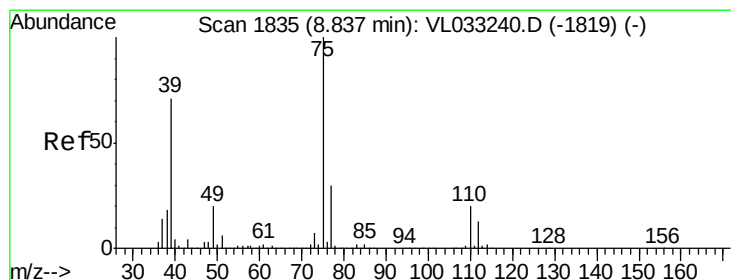
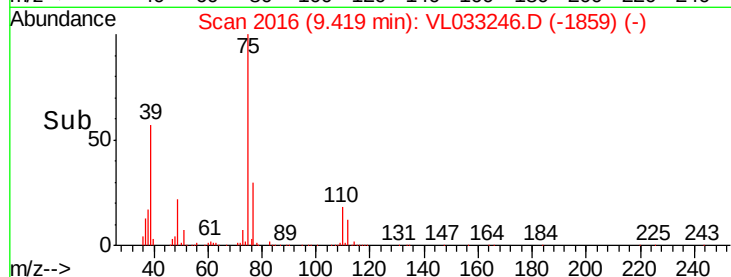
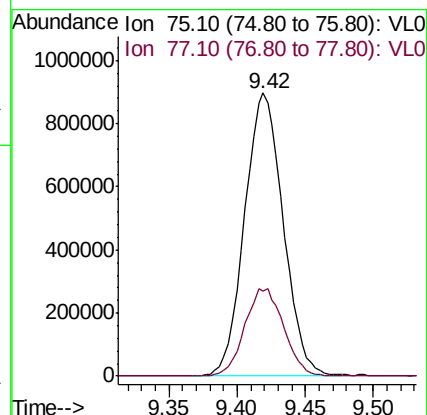
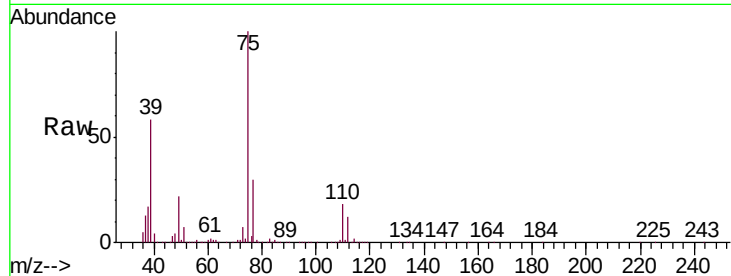
Acq: 6 Mar 2019 5:52

Tgt Ion: 75 Resp: 1763787

Ion Ratio Lower Upper

75 100

77 30.2 24.7 37.1



#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

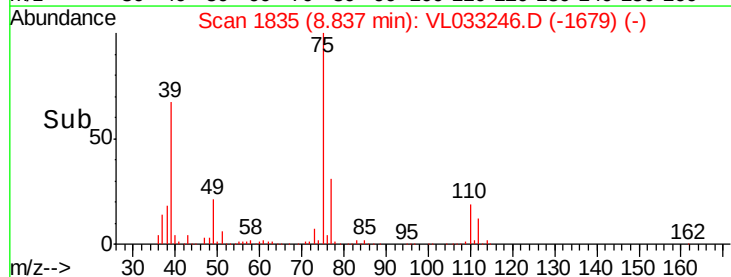
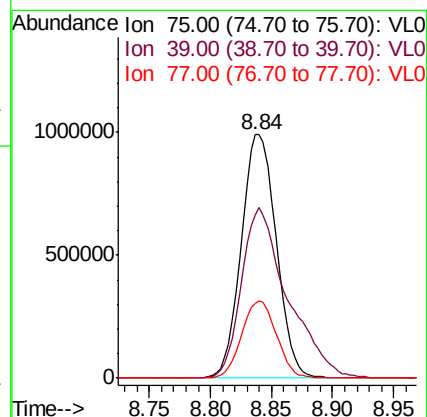
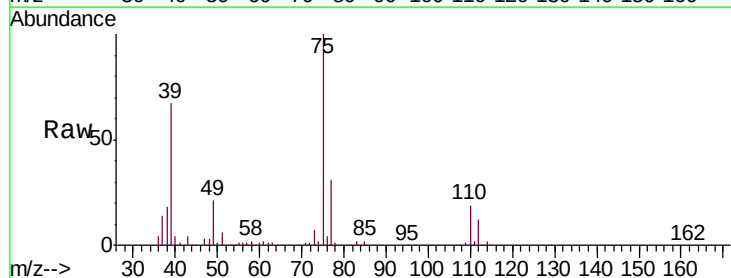
Tgt Ion: 75 Resp: 1964303

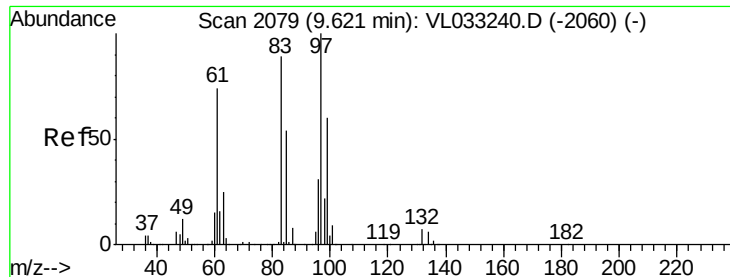
Ion Ratio Lower Upper

75 100

39 66.9 57.0 85.6

77 30.8 24.0 36.0

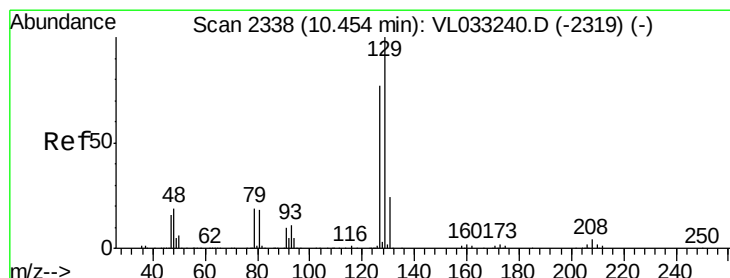
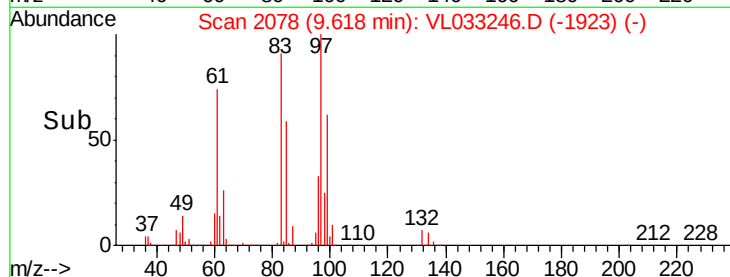
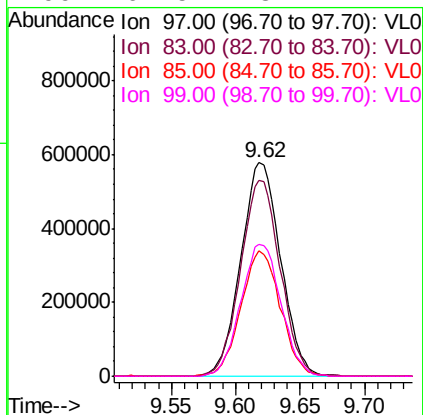
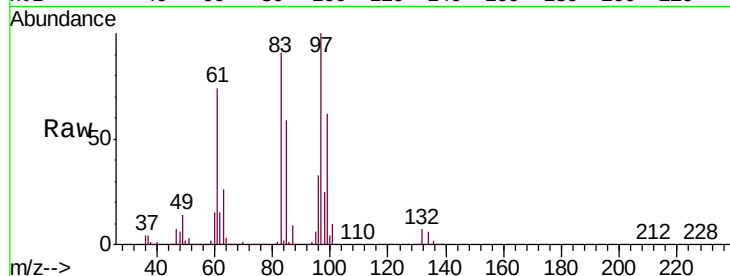




#47
 1,1,2-Trichloroethane
 Concen: 13.224 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

Tgt Ion: 97 Resp: 1246214

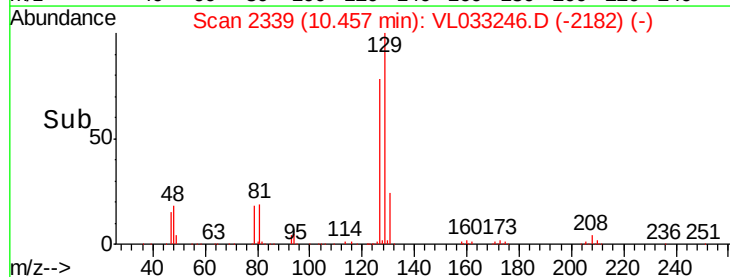
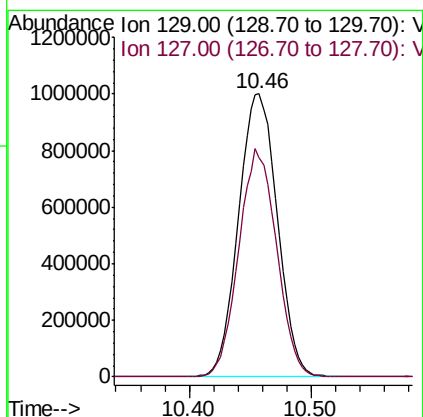
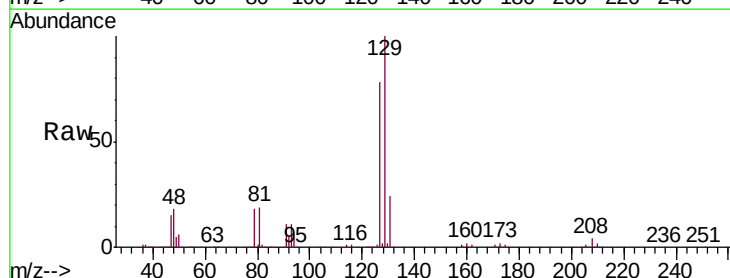
Ion	Ratio	Lower	Upper
97	100		
83	91.4	71.1	106.7
85	58.7	42.9	64.3
99	61.5	48.2	72.4

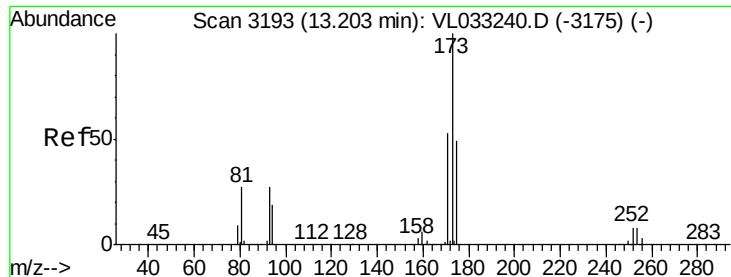


#48
 Dibromochloromethane
 Concen: 14.771 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

Tgt Ion: 129 Resp: 2201288

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.0	117.0





#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

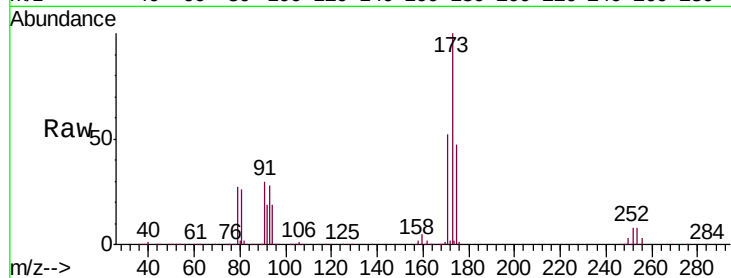
Tgt Ion: 173 Resp: 1807401

Ion Ratio Lower Upper

173 100

175 49.1 38.9 58.3

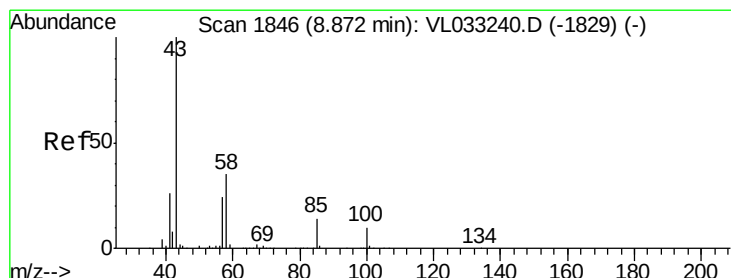
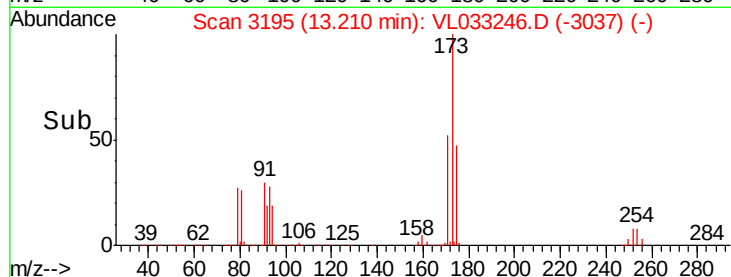
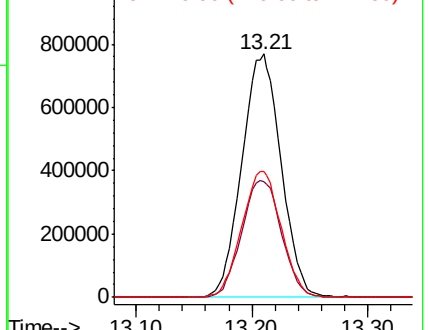
171 52.2 41.4 62.0



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

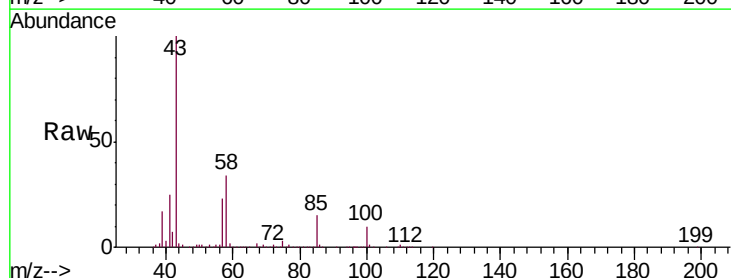
Acq: 6 Mar 2019 5:52

Tgt Ion: 43 Resp: 3248934

Ion Ratio Lower Upper

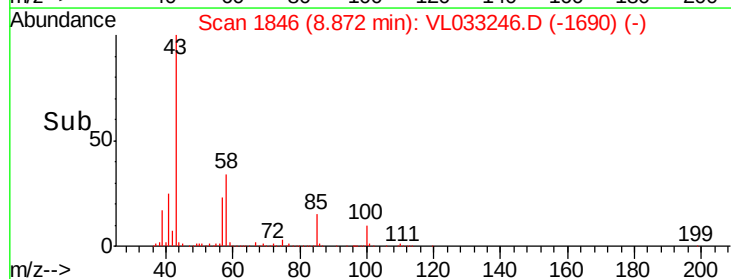
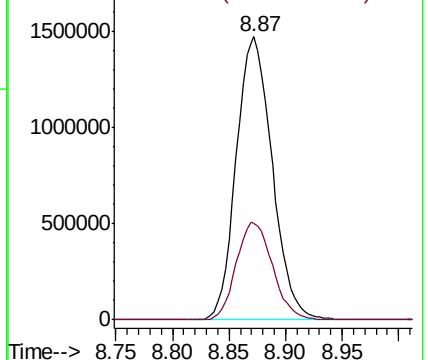
43 100

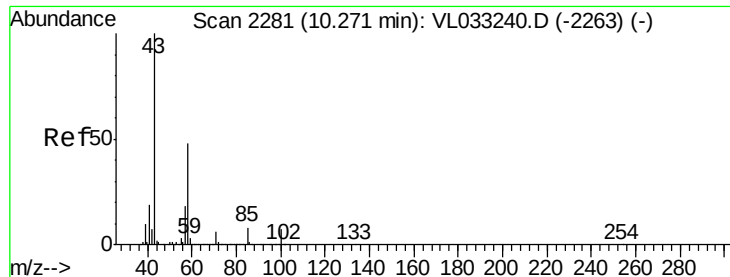
58 35.1 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

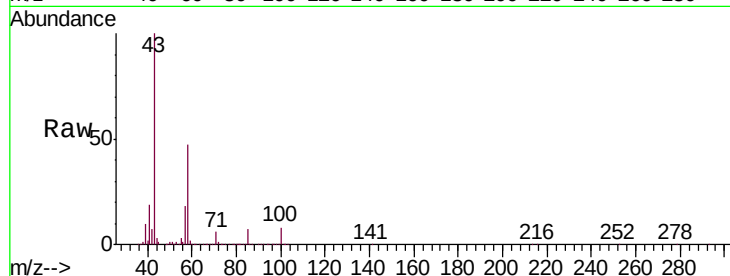
Ion 58.10 (57.80 to 58.80): VL0



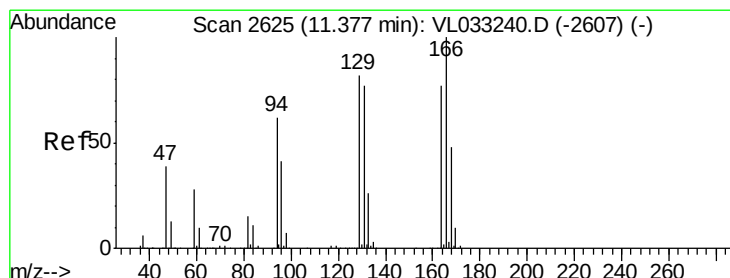
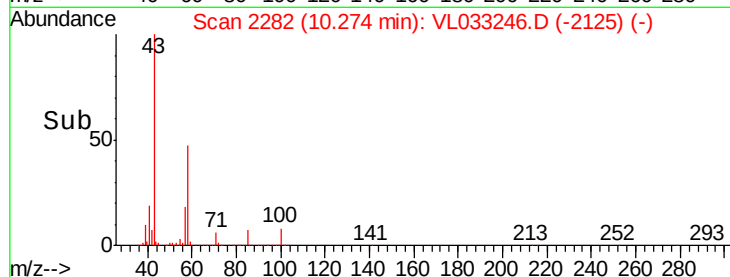
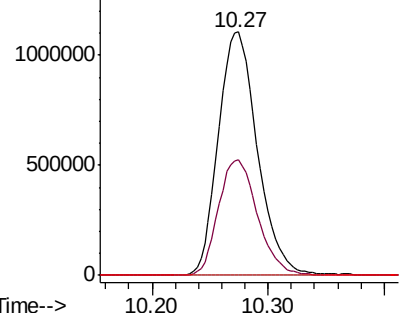


#51
2-Hexanone
Concen: 14.176 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

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

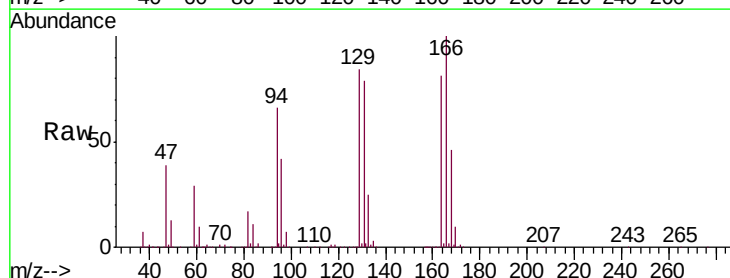


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

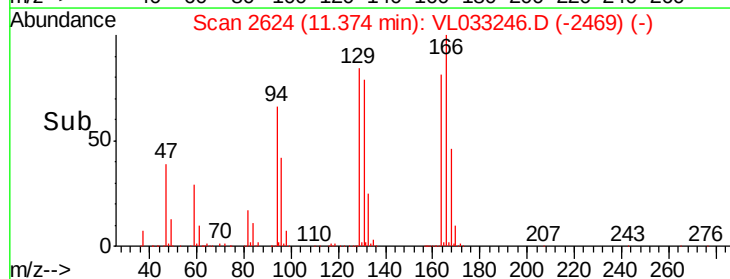
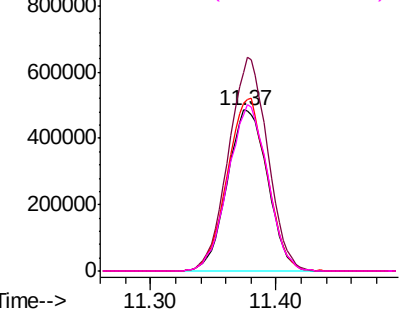


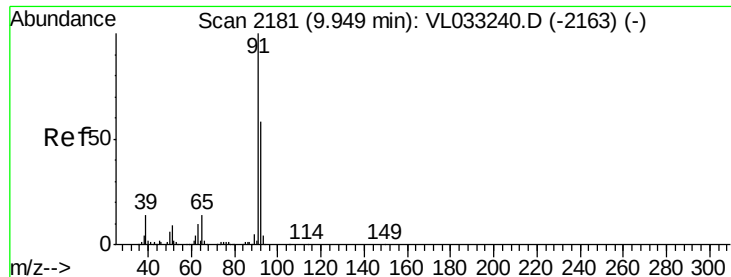
#52
Tetrachloroethene
Concen: 12.244 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

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



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 13.275 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL033246.D

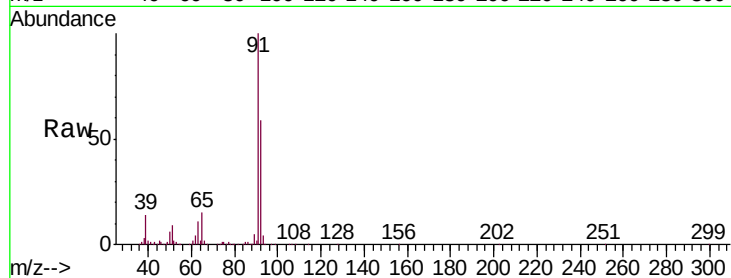
Acq: 6 Mar 2019 5:52

Tgt 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

2000000 Ion 92.10 (91.80 to 92.80): VL0

1500000

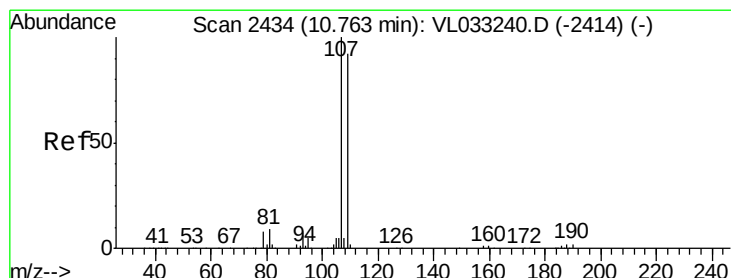
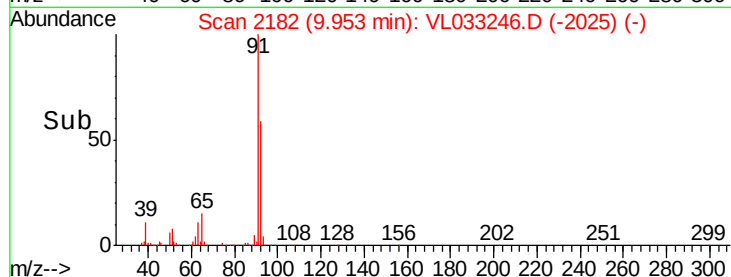
1000000

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

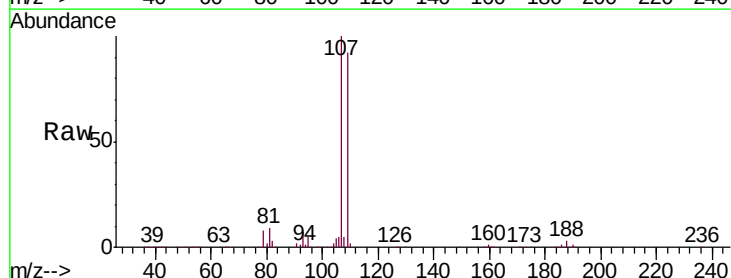
Acq: 6 Mar 2019 5:52

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

1000000 Ion 109.00 (108.70 to 109.70): V

800000

600000

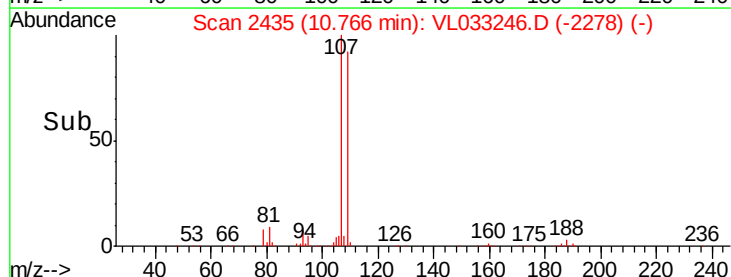
400000

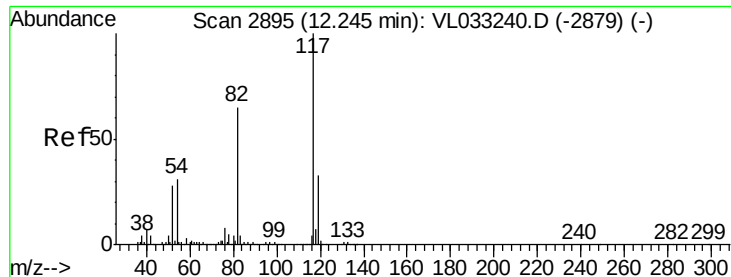
200000

0

10.70 10.77 10.80

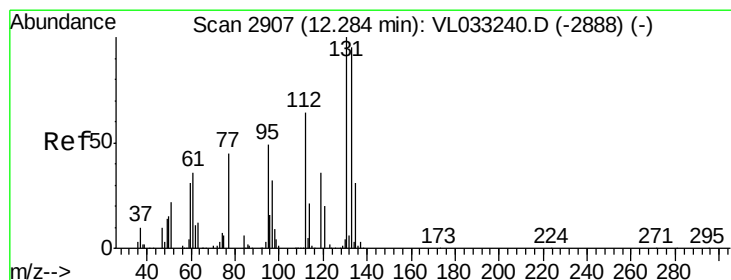
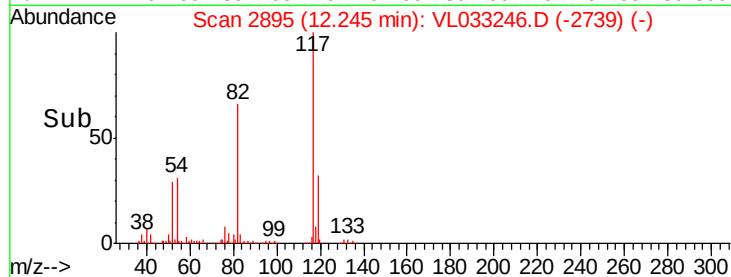
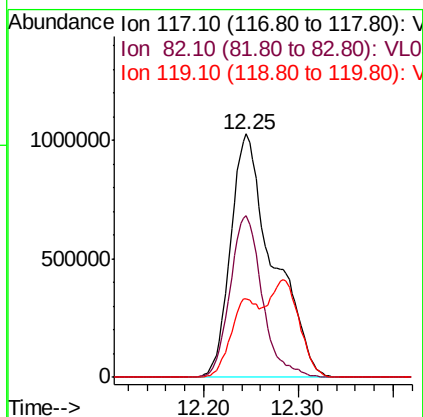
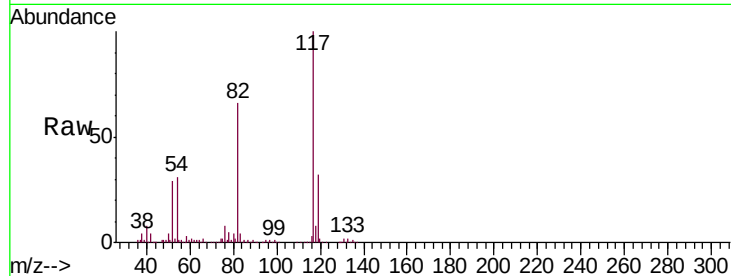
Time-->





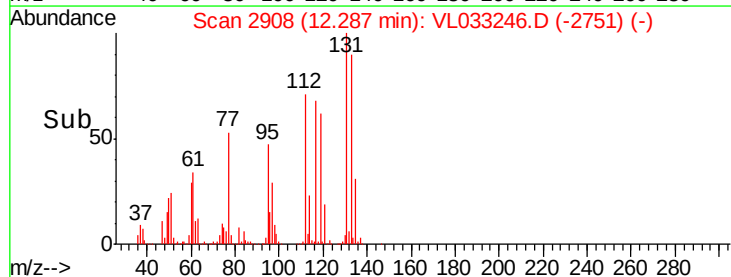
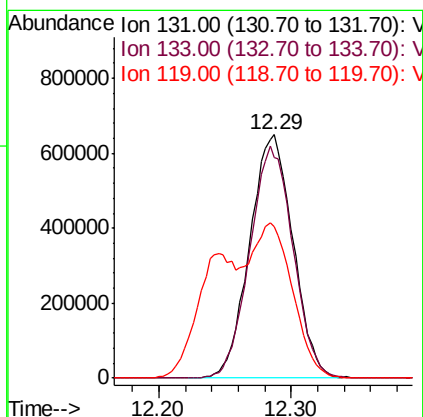
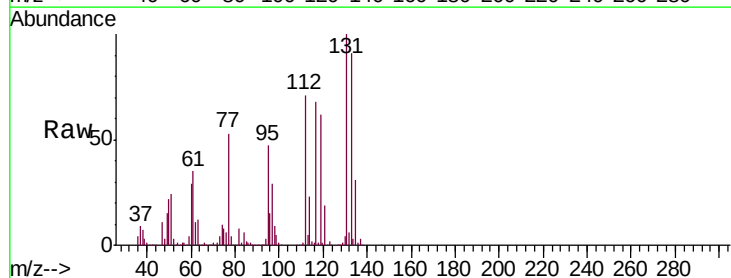
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

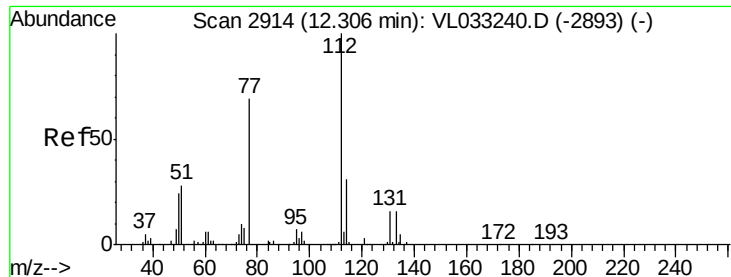
Tgt Ion:117 Resp: 3210607
Ion Ratio Lower Upper
117 100
82 50.4 51.8 77.8#
119 20.2 43.6 65.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.951 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

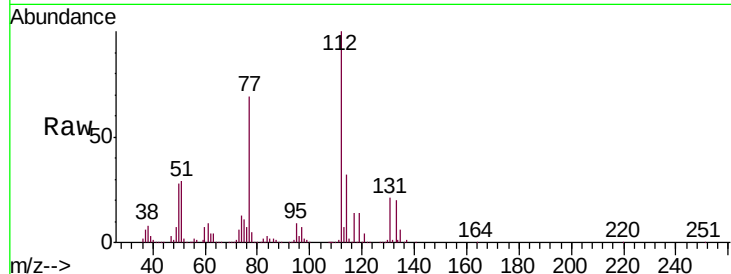
Tgt Ion:131 Resp: 1473821
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.2
119 67.7 108.9 163.3#



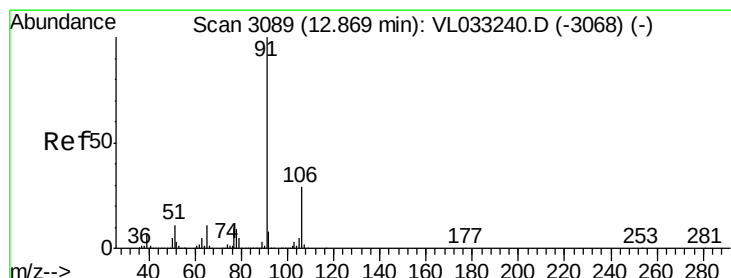
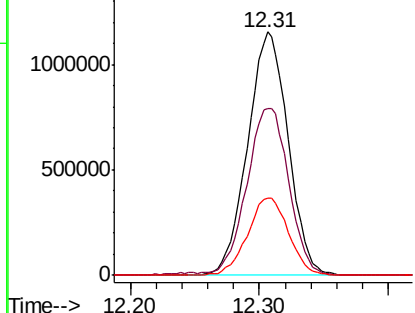
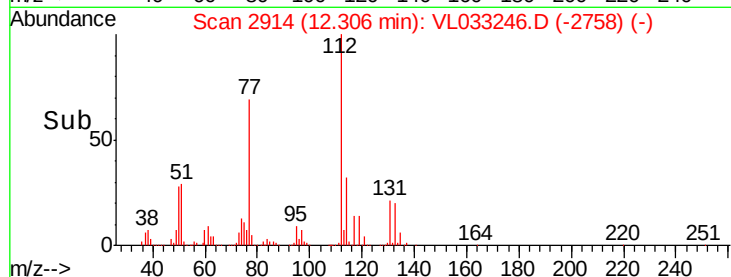


#57
Chlorobenzene
Concen: 8.994 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

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

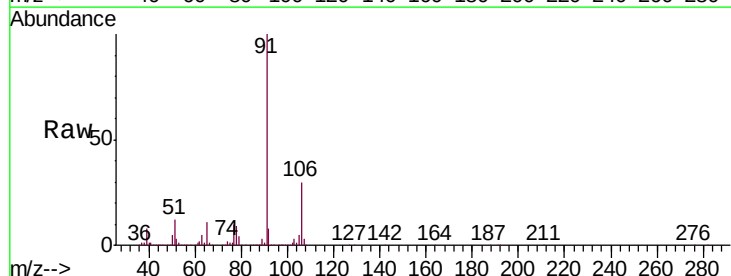


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

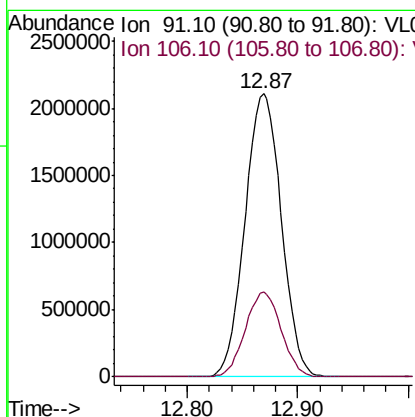
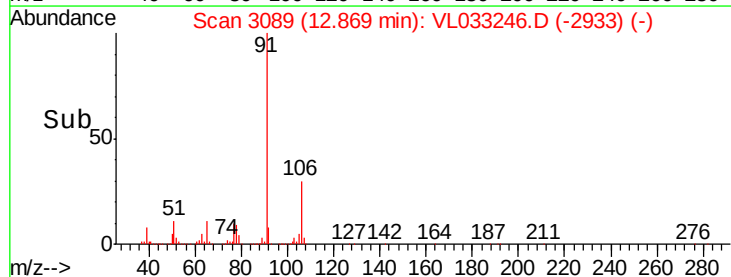


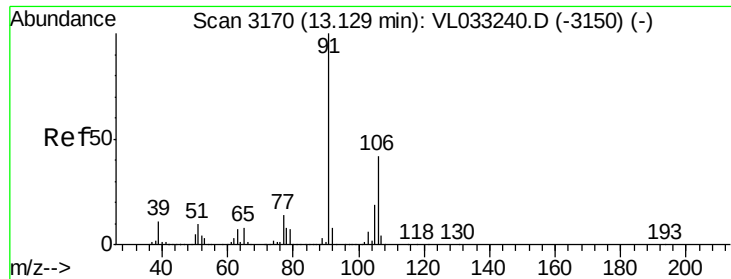
#58
Ethyl Benzene
Concen: 9.272 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

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: 9.474 ppbv

RT: 13.13 min Scan# 3171

Delta R.T. 0.00 min

Lab File: VL033246.D

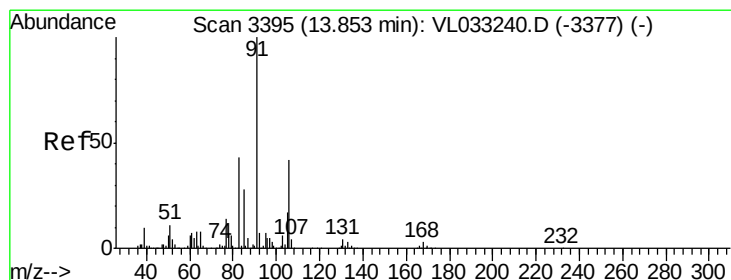
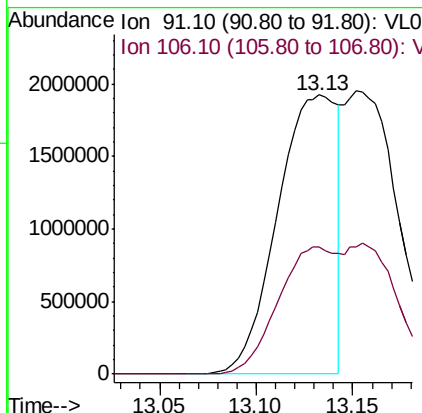
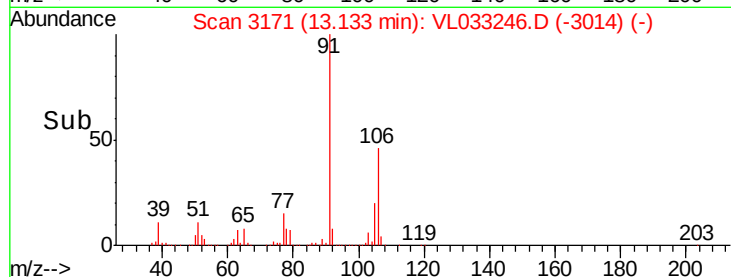
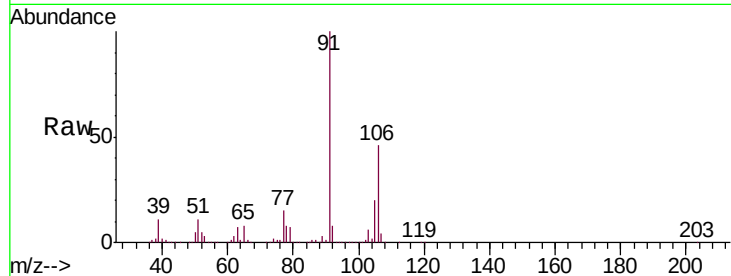
Acq: 6 Mar 2019 5:52

Tgt Ion: 91 Resp: 4103726

Ion Ratio Lower Upper

91 100

106 0.0 35.6 53.4#



#60

o-Xylene

Concen: 9.026 ppbv

RT: 13.86 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VL033246.D

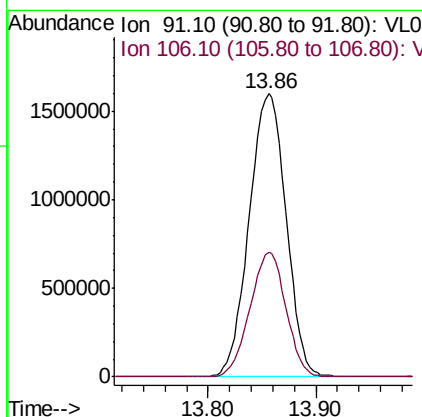
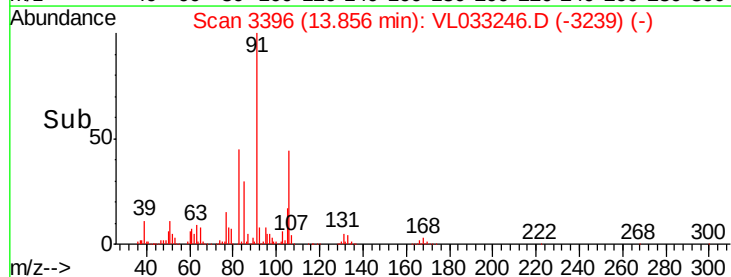
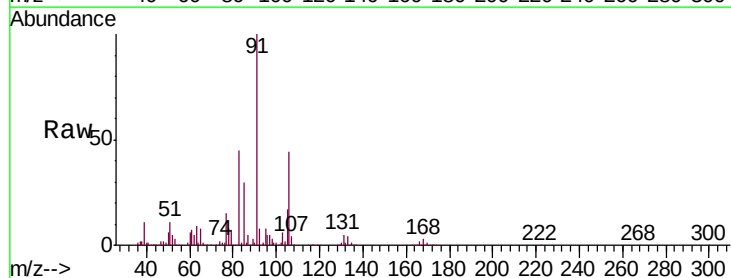
Acq: 6 Mar 2019 5:52

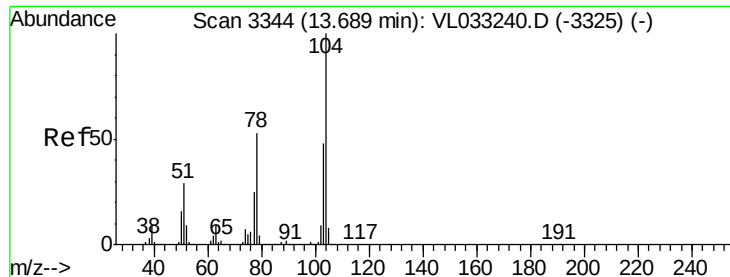
Tgt Ion: 91 Resp: 3807284

Ion Ratio Lower Upper

91 100

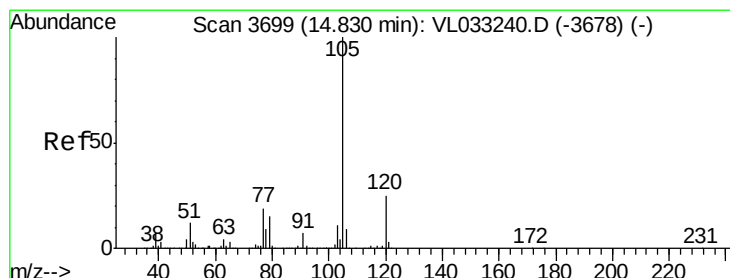
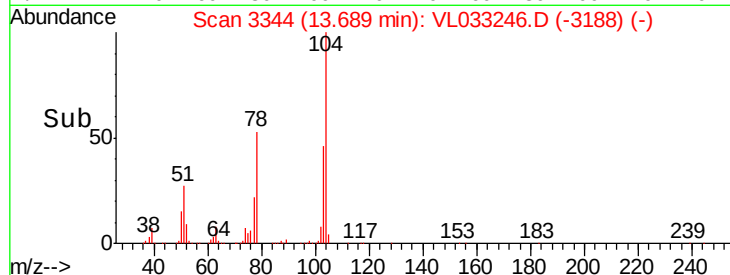
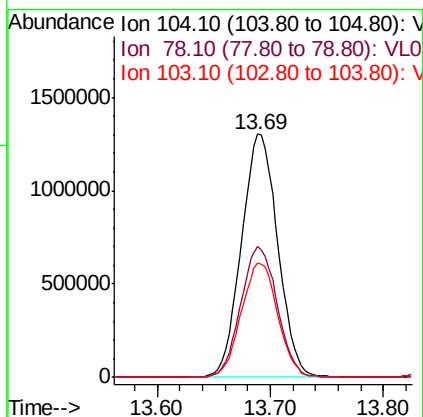
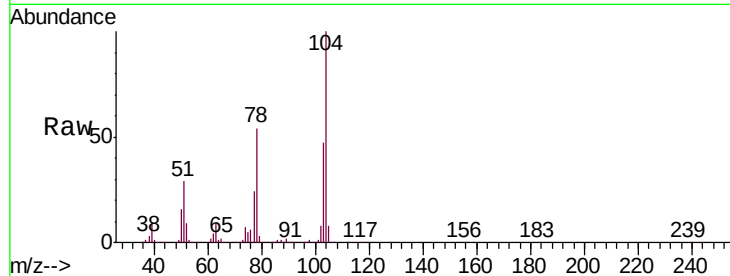
106 42.8 21.4 64.3





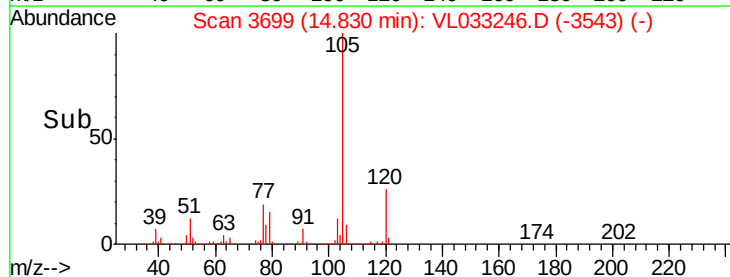
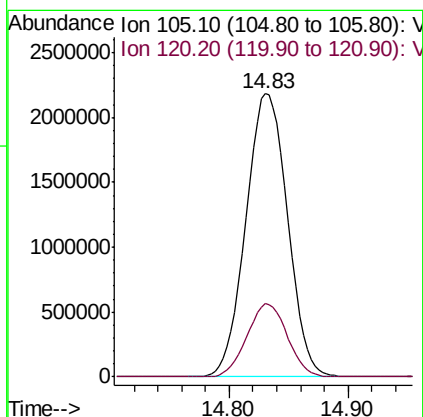
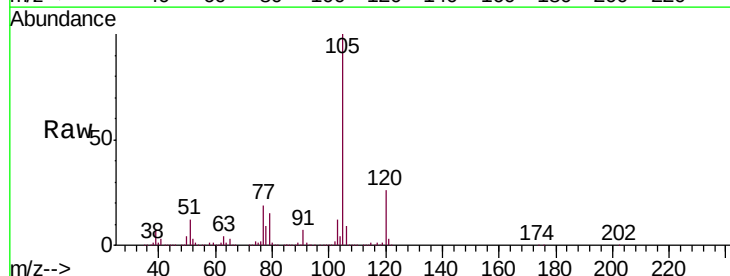
#61
Styrene
Concen: 9.255 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

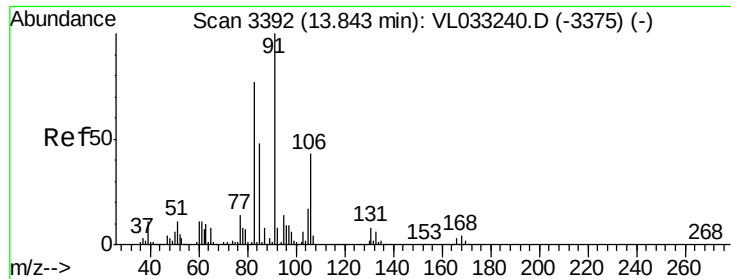
Tgt Ion:104 Resp: 2914083
Ion Ratio Lower Upper
104 100
78 54.0 43.7 65.5
103 47.4 38.2 57.2



#62
Isopropylbenzene
Concen: 8.963 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. 0.00 min
Lab File: VL033246.D
Acq: 6 Mar 2019 5:52

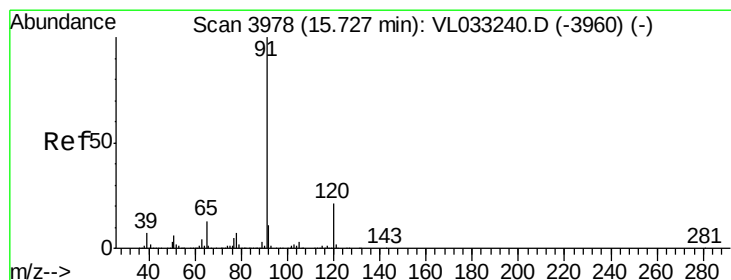
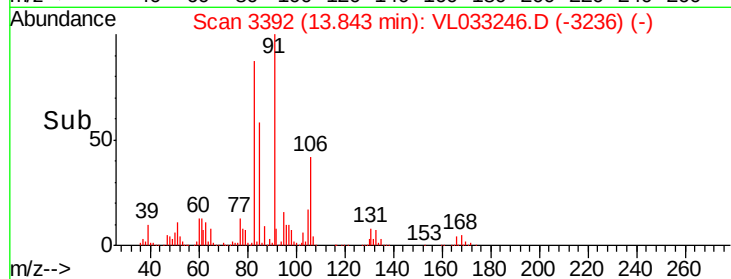
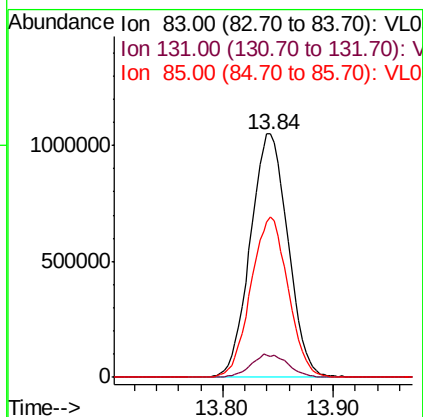
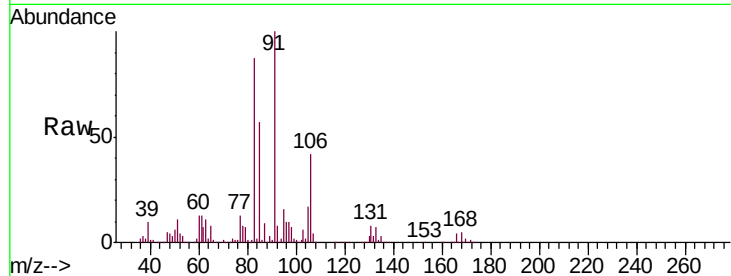
Tgt Ion:105 Resp: 5294906
Ion Ratio Lower Upper
105 100
120 25.1 20.1 30.1





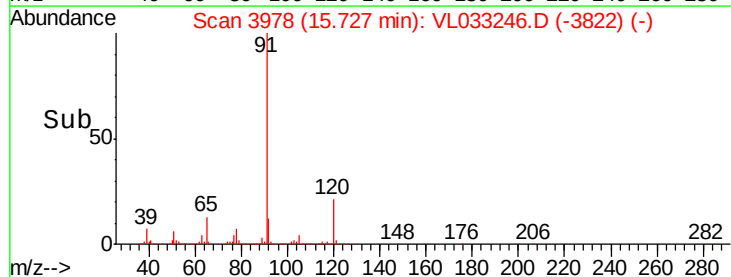
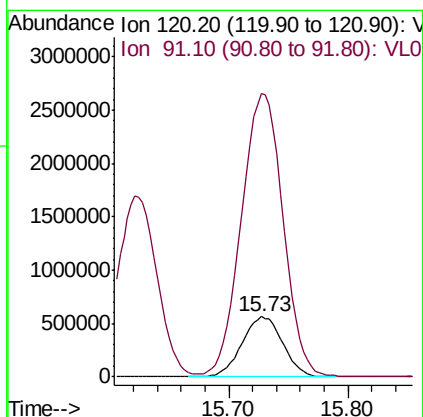
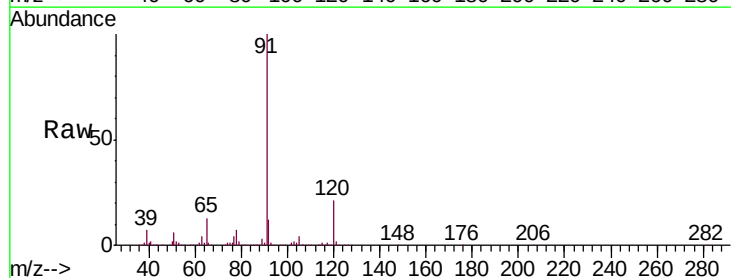
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.561 ppbv
 RT: 13.84 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

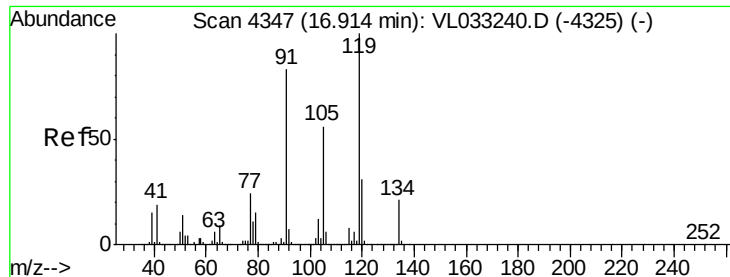
Tgt Ion: 83 Resp: 2483725
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.7 14.0
 85 65.1 32.6 97.8



#64
 n-propylbenzene
 Concen: 8.953 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





#65

tert-Butylbenzene

Concen: 8.562 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

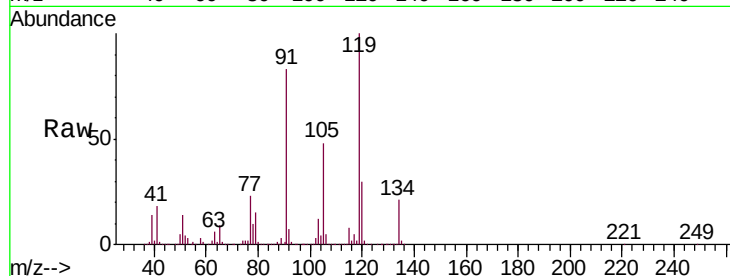
Tgt Ion: 119 Resp: 4393492

Ion Ratio Lower Upper

119 100

91 84.1 67.0 100.4

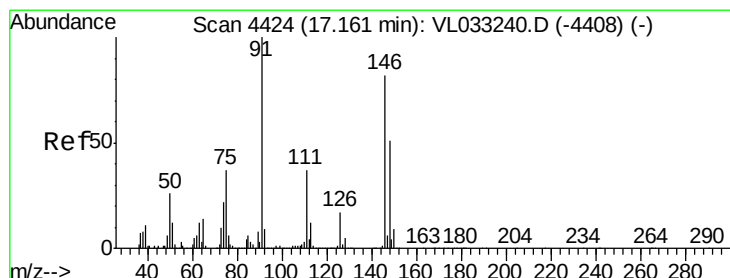
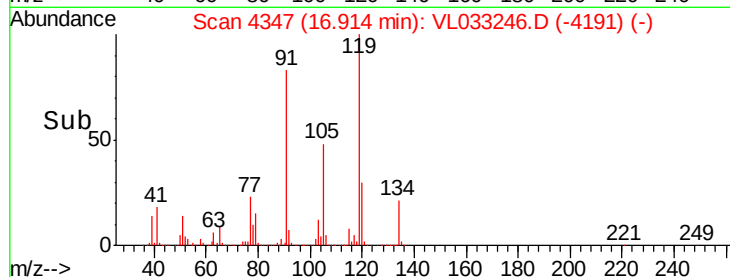
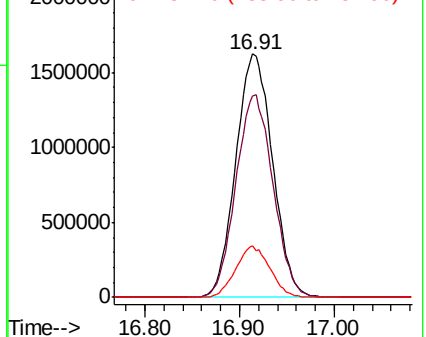
134 19.7 15.4 23.2



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



#66

Benzyl Chloride

Concen: 13.217 ppbv

RT: 17.16 min Scan# 4425

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

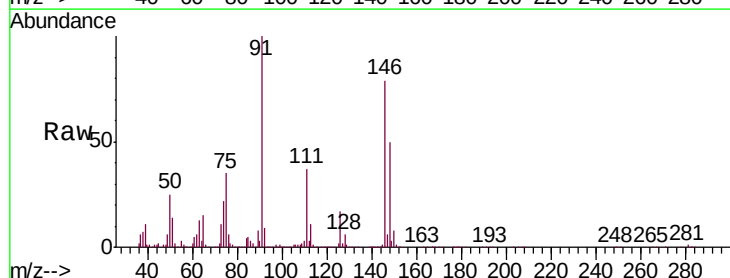
Tgt Ion: 91 Resp: 2376747

Ion Ratio Lower Upper

91 100

126 16.6 13.4 20.0

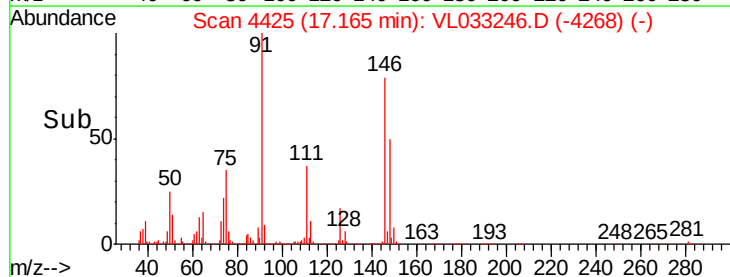
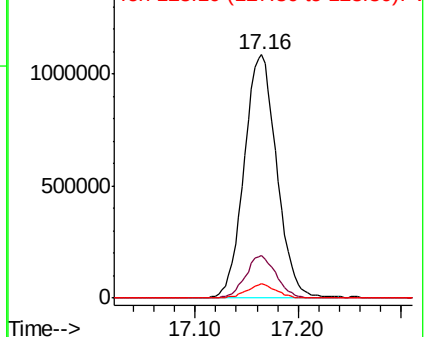
128 5.3 4.2 6.2

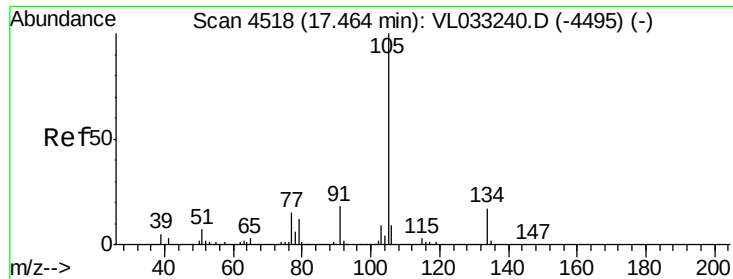


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.557 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. 0.00 min

Lab File: VL033246.D

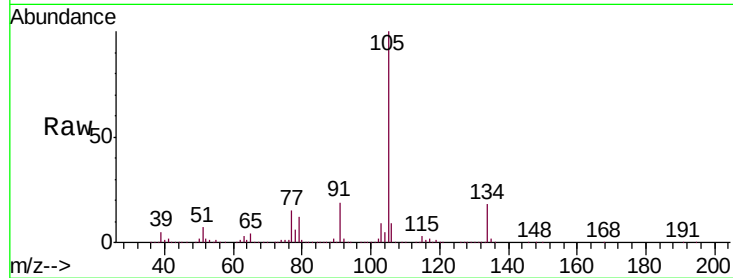
Acq: 6 Mar 2019 5:52

Tgt 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

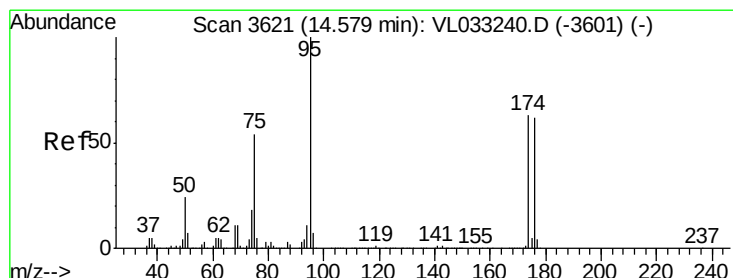
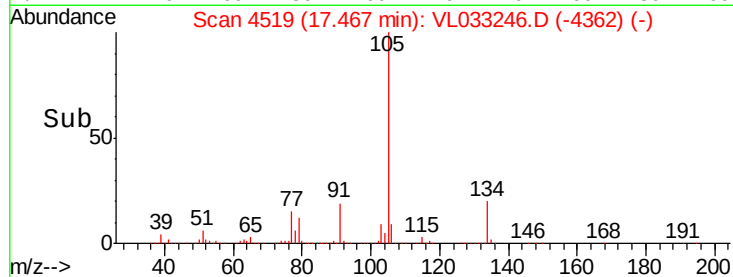
1000000

500000

0

Time-->

17.40 17.50 17.60



#68

1-Bromo-4-Fluorobenzene

Concen: 7.341 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

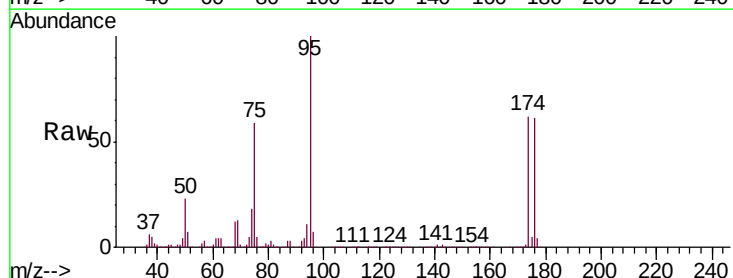
Tgt Ion: 95 Resp: 1814286

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

1000000

800000

600000

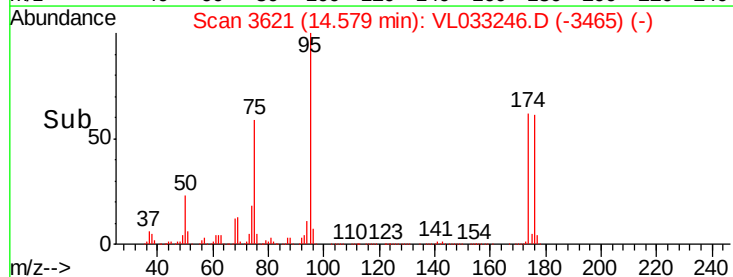
400000

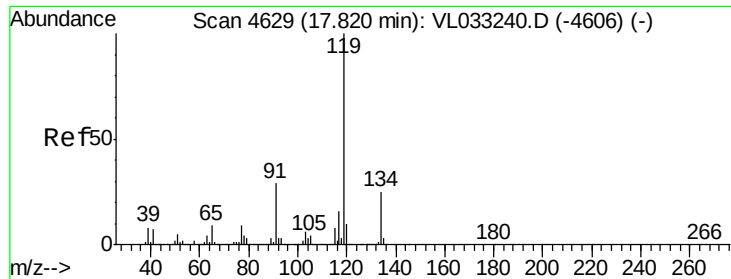
200000

0

Time-->

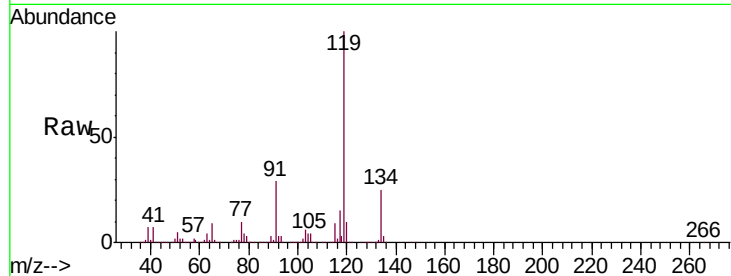
14.50 14.60



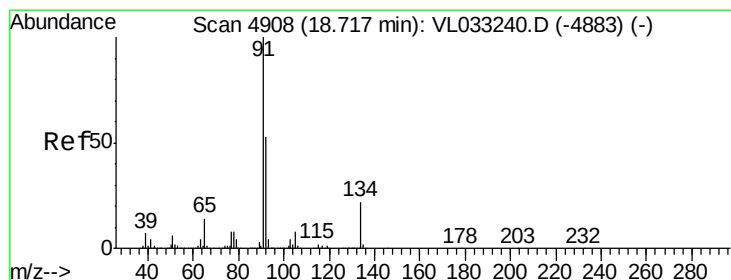
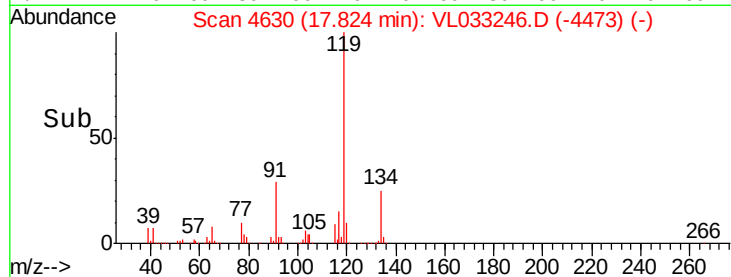
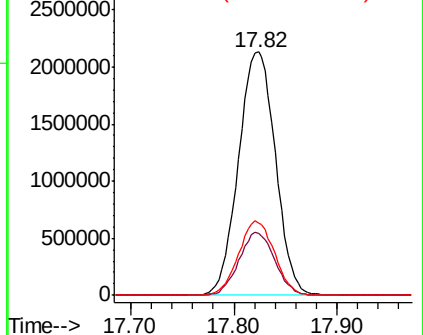


#69
 p-Isopropyltoluene
 Concen: 8.565 ppbv
 RT: 17.82 min Scan# 4630
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

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

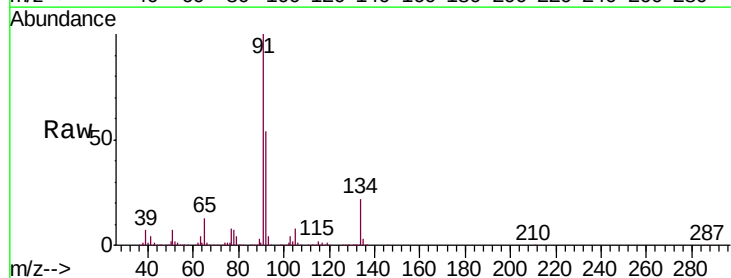


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

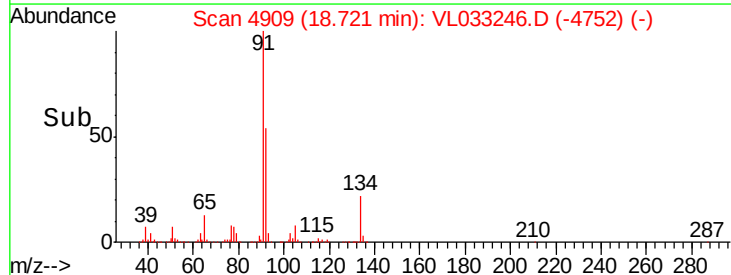
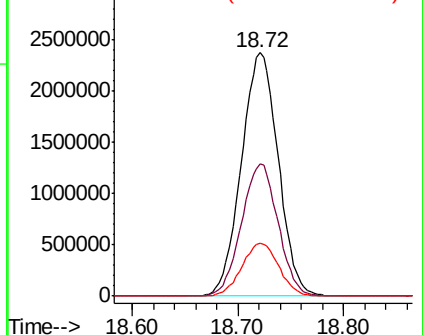


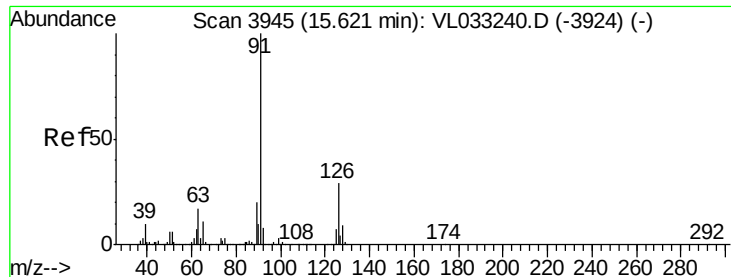
#70
 n-Butylbenzene
 Concen: 8.593 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

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



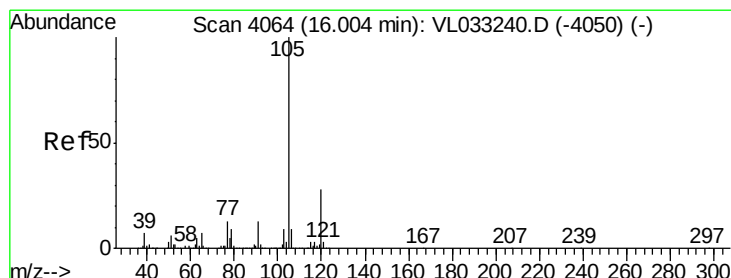
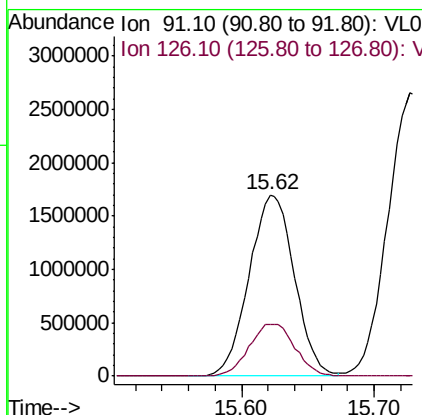
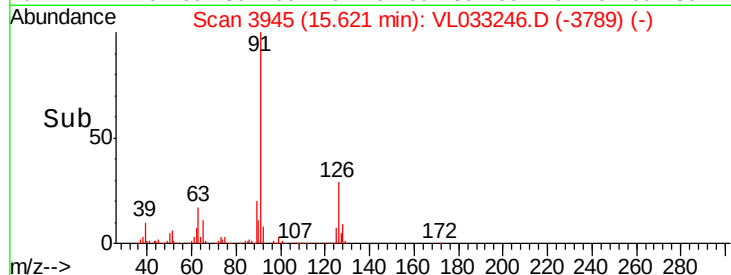
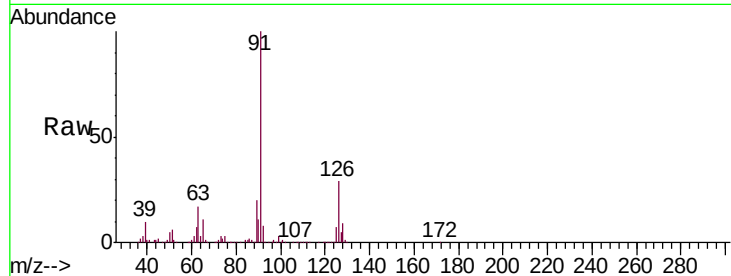
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





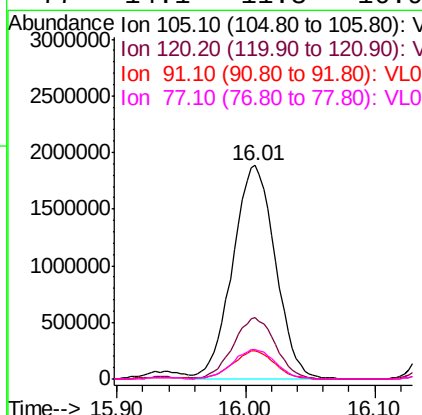
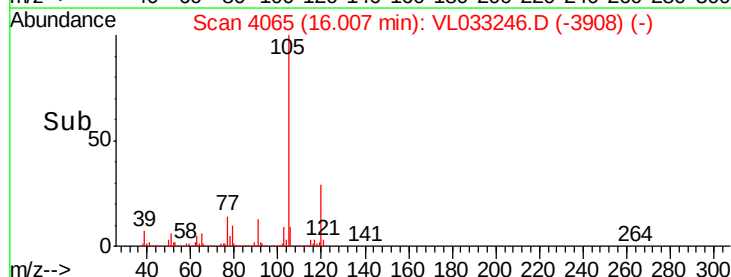
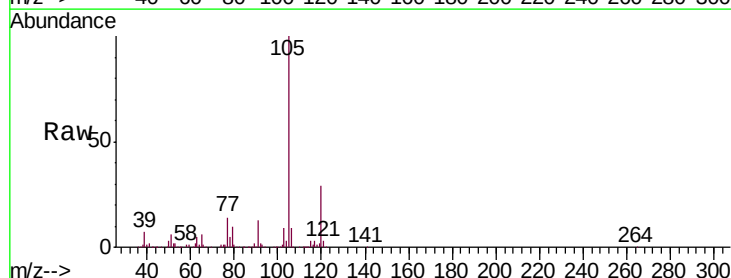
#71
 2-Chlorotoluene
 Concen: 8.736 ppbv
 RT: 15.62 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

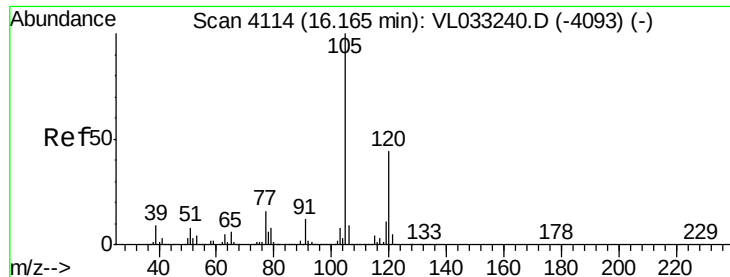
Tgt Ion: 91 Resp: 4038207
 Ion Ratio Lower Upper
 91 100
 126 29.3 11.6 46.2



#72
 4-Ethyltoluene
 Concen: 8.998 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: 8.896 ppbv

RT: 16.16 min Scan# 4114

Delta R.T. 0.00 min

Lab File: VL033246.D

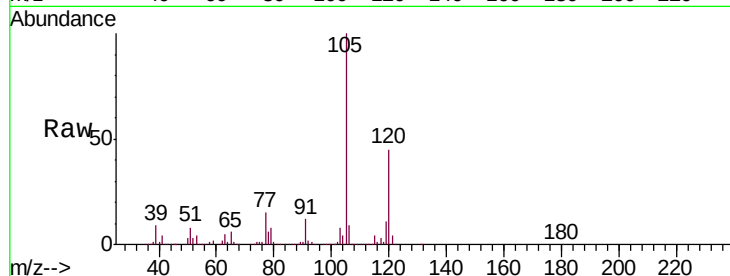
Acq: 6 Mar 2019 5:52

Tgt Ion:105 Resp: 4085704

Ion Ratio Lower Upper

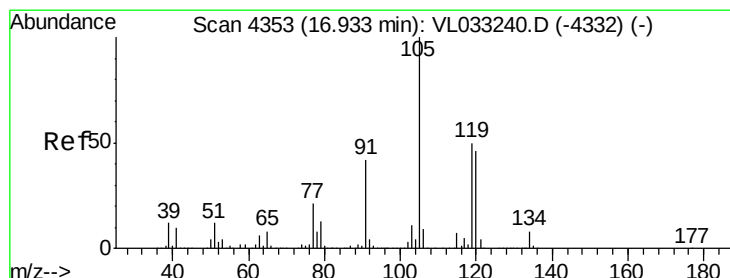
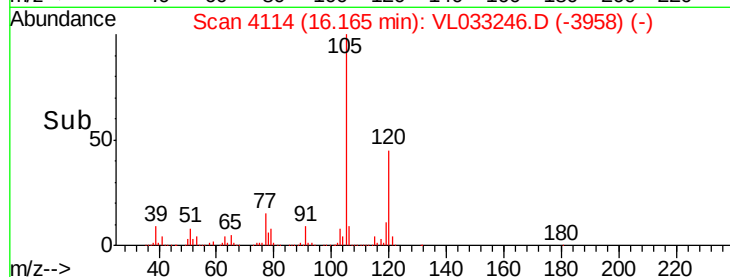
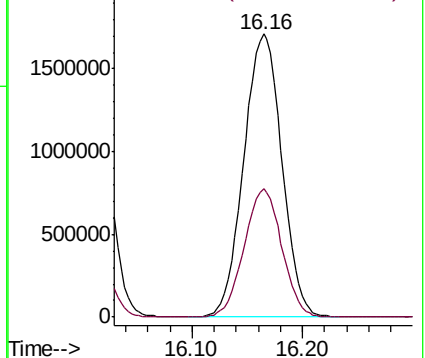
105 100

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: 8.519 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

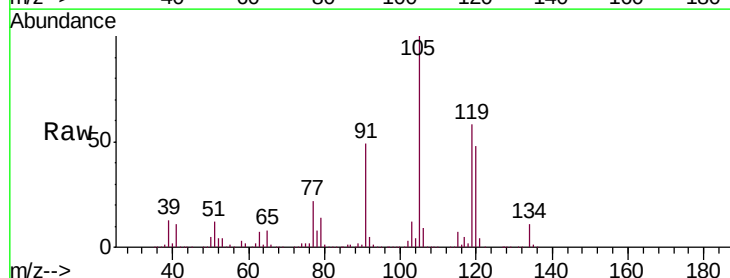
Ion Ratio Lower Upper

105 100

120 47.6 36.5 54.7

91 49.4 34.4 51.6

77 21.6 17.0 25.4

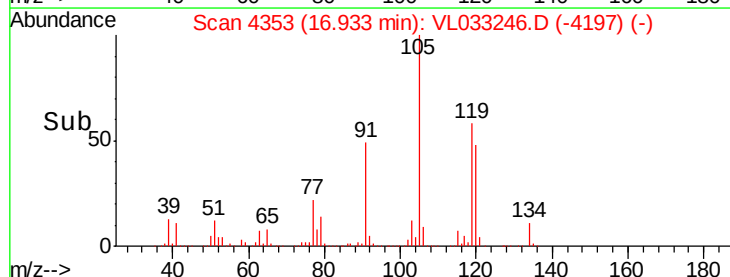
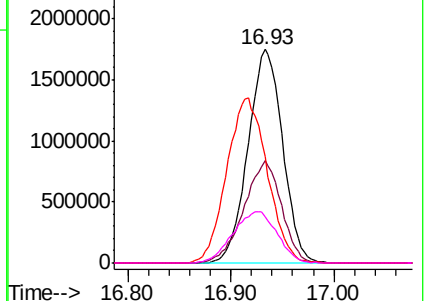


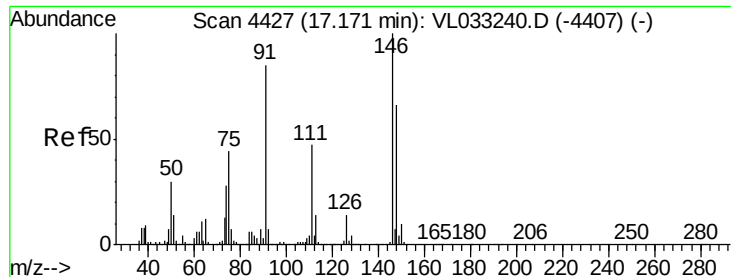
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

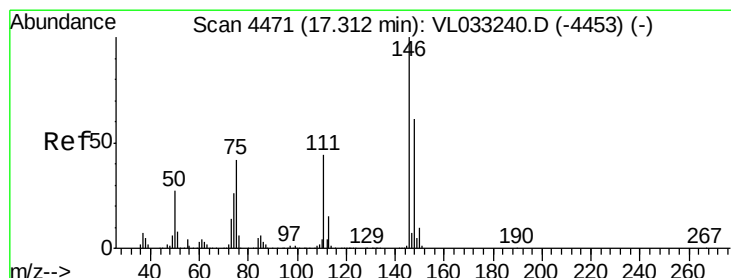
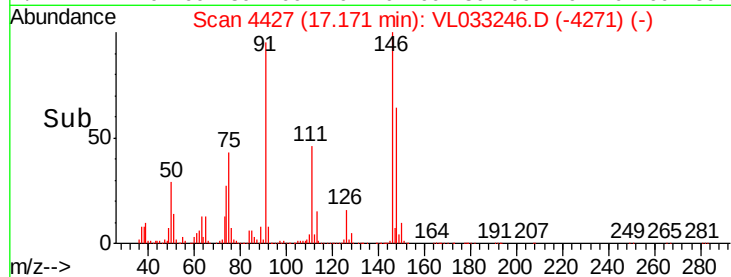
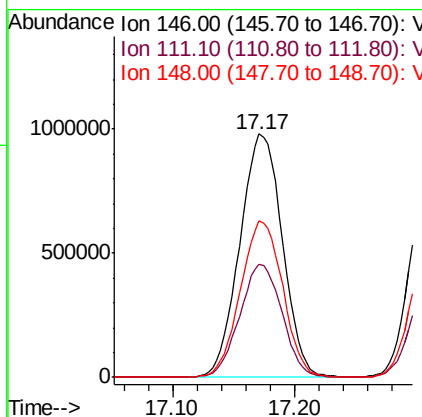
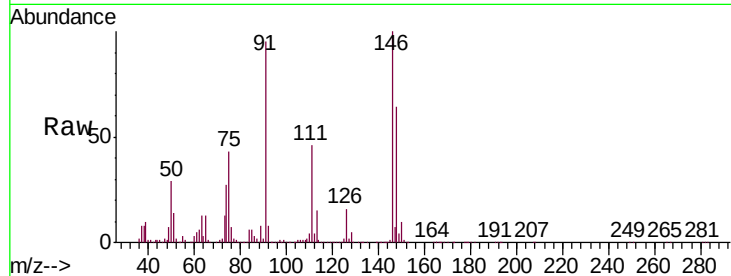
Ion 77.10 (76.80 to 77.80): VL0





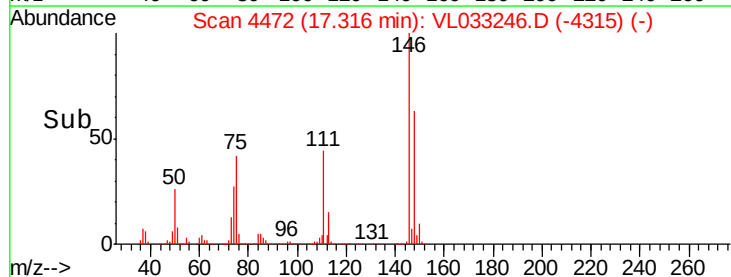
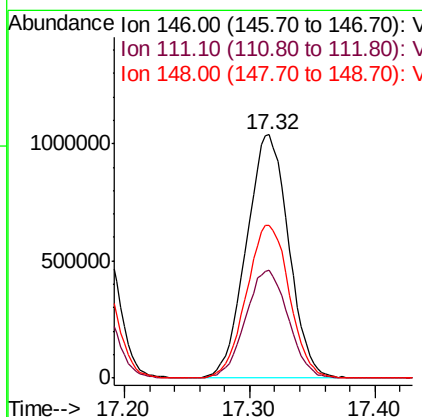
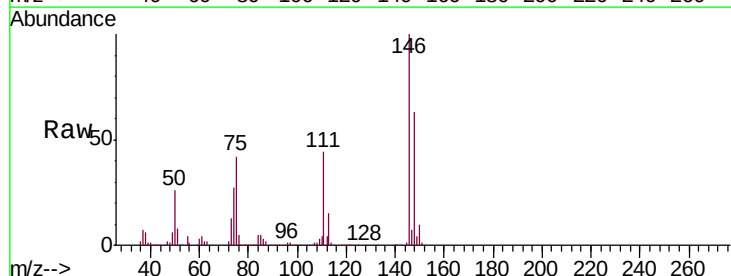
#75
 1,3-Dichlorobenzene
 Concen: 8.569 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

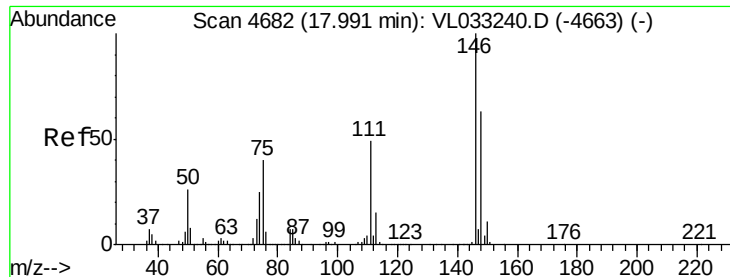
Tgt Ion:146 Resp: 2356621
 Ion Ratio Lower Upper
 146 100
 111 46.2 23.4 70.0
 148 64.3 32.1 96.3



#76
 1,4-Dichlorobenzene
 Concen: 8.896 ppbv
 RT: 17.32 min Scan# 4472
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

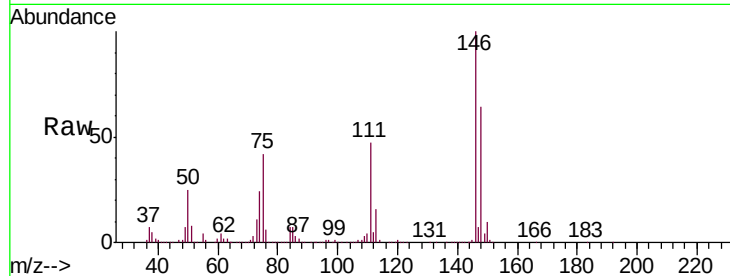
Tgt Ion:146 Resp: 2419644
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.4 67.3
 148 64.5 32.1 96.3



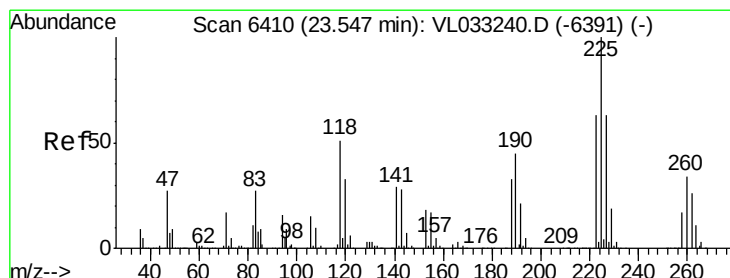
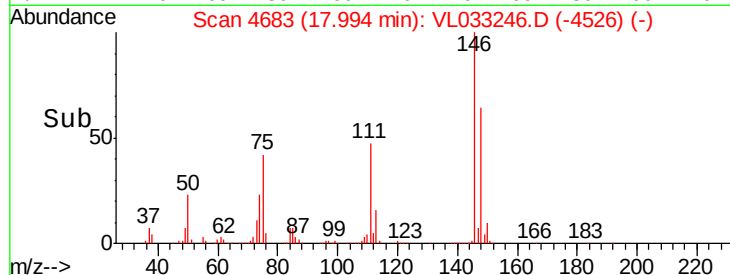
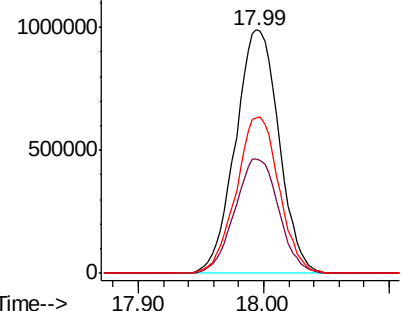


#77
 1,2-Dichlorobenzene
 Concen: 8.793 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

Tgt Ion:146 Resp: 2387521
 Ion Ratio Lower Upper
 146 100
 111 47.7 23.6 71.0
 148 63.6 32.3 96.9

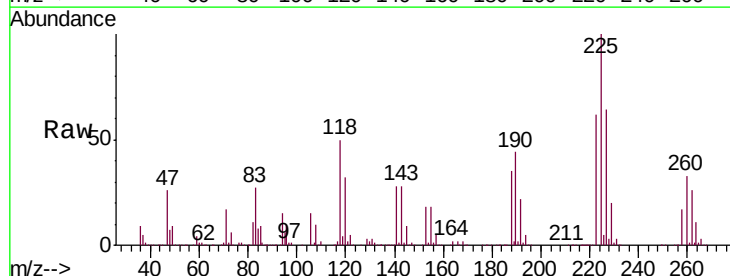


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

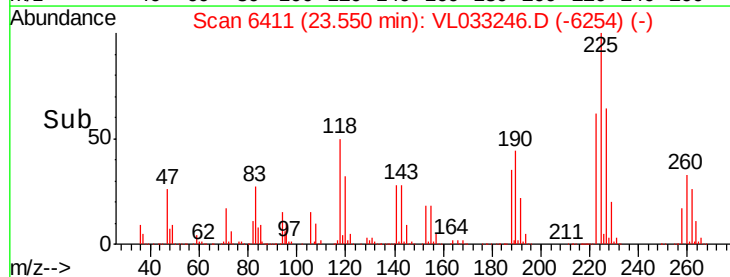
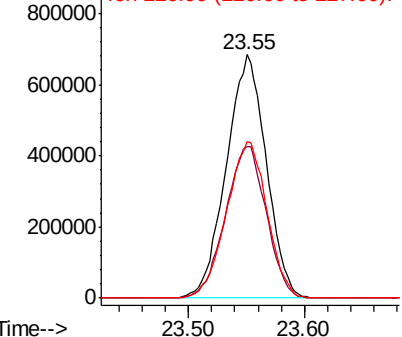


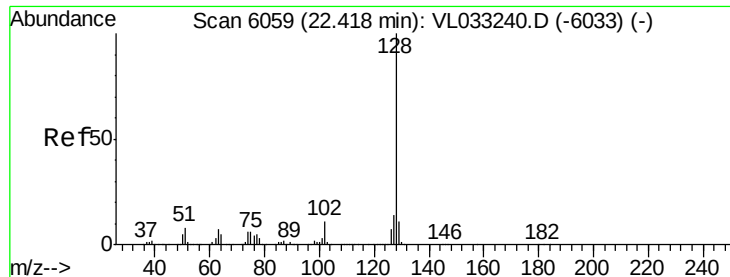
#78
 Hexachloro-1,3-Butadiene
 Concen: 11.385 ppbv
 RT: 23.55 min Scan# 6411
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

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: 11.825 ppbv

RT: 22.42 min Scan# 6060

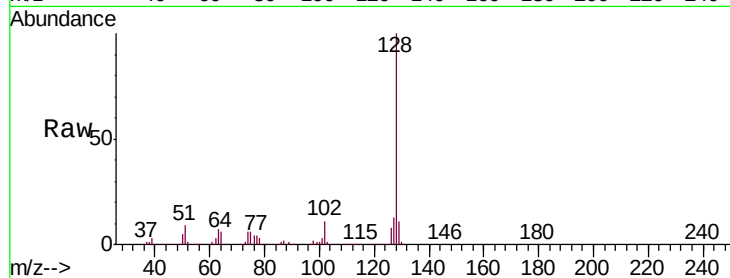
Delta R.T. 0.00 min

Lab File: VL033246.D

Acq: 6 Mar 2019 5:52

Tgt Ion:128 Resp: 6417431

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

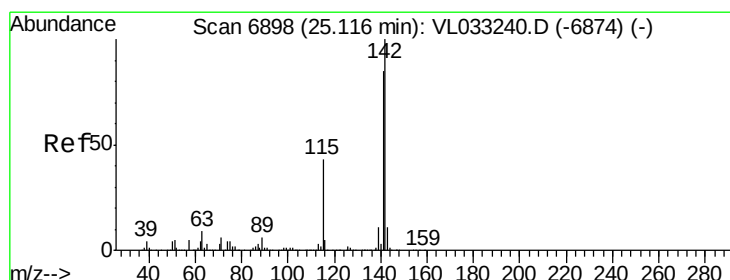
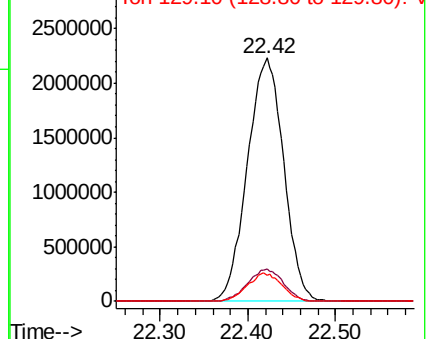
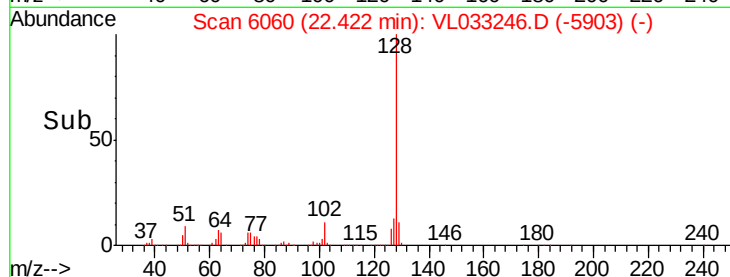


Abundance

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: 10.455 ppbv

RT: 25.12 min Scan# 6899

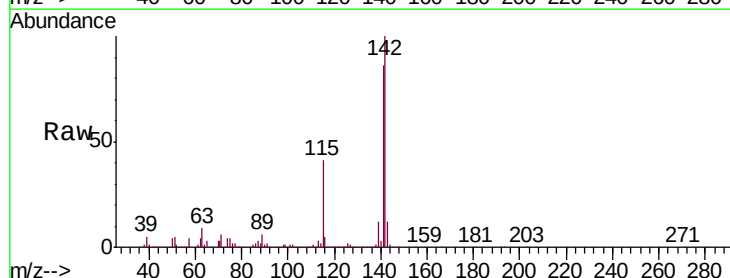
Delta R.T. 0.00 min

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

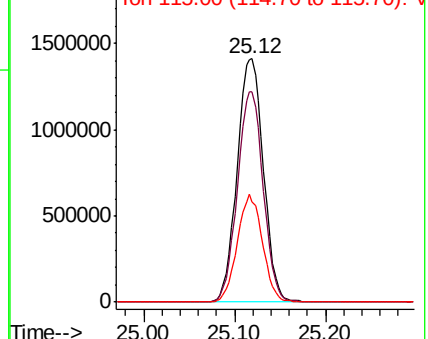
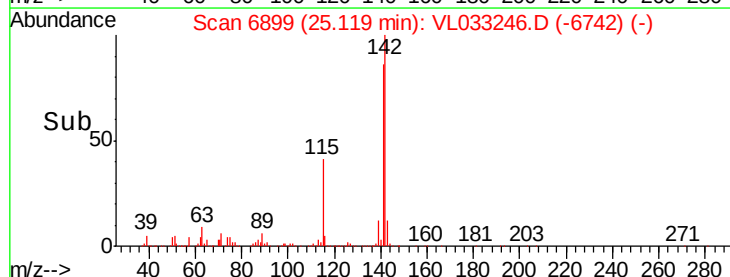


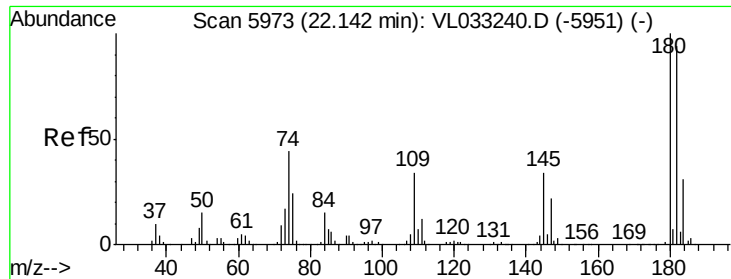
Abundance

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

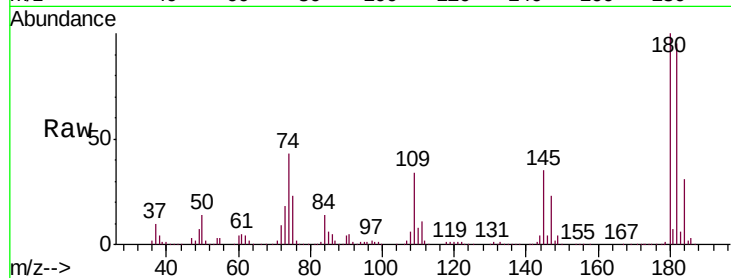




#81
 1,2,4-Trichlorobenzene
 Concen: 10.717 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. 0.00 min
 Lab File: VL033246.D
 Acq: 6 Mar 2019 5:52

Tgt 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

