

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030619\
 Data File : VL033247.D
 Acq On : 6 Mar 2019 7:09
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 04:50:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 08:43:44 2019
 QLast Update : Wed Mar 06 08:43:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1047356	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2397287	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2505581m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1853465	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	1381982	9.341	ppbv 97
3) Chlorodifluoromethane	3.02	51	1221522	10.191	ppbv 98
4) Chloromethane	3.17	50	659899	10.694	ppbv 96
5) Vinyl Chloride	3.29	62	634905	9.176	ppbv 97
6) Bromomethane	3.52	94	389069	9.833	ppbv 99
7) Chloroethane	3.60	64	232950	10.076	ppbv 96
8) Dichlorotetrafluoroethane	3.22	85	1498029	10.243	ppbv 98
9) Propene	3.04	41	567269	10.620	ppbv 98
10) Heptane	8.25	43	1374778	9.460	ppbv 100
11) Trichlorofluoromethane	4.01	101	1636578	9.421	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1093539	9.710	ppbv 100
13) Ethanol	3.65	45	109225m	6.839	ppbv
14) Bromoethene	3.79	108	483902	10.198	ppbv 98
15) Acetone	3.90	43	1084747	8.048	ppbv 98
16) 1,3-Butadiene	3.36	39	519797	9.658	ppbv 90
17) tert-Butyl alcohol	4.35	59	237736	10.822	ppbv 99
18) 1,1-Dichloroethene	4.35	96	519863	10.367	ppbv 98
19) Isopropyl Alcohol	4.02	45	758066	9.461	ppbv 100
20) Methylene Chloride	4.41	84	443683	8.686	ppbv 95
21) Allyl Chloride	4.48	41	791991	10.529	ppbv 100
22) trans-1,2-Dichloroethene	4.97	96	503822	9.842	ppbv 98
23) Vinyl Acetate	5.16	43	2000629	10.063	ppbv 99
24) 1,1-Dichloroethane	5.09	63	1363757	9.621	ppbv 100
25) Ethyl Acetate	5.77	43	2315228	9.370	ppbv 99
26) Hexane	5.78	57	1036496	8.973	ppbv 98
27) Carbon Disulfide	4.62	76	1202464	10.799	ppbv 99
28) Methyl tert-Butyl Ether	5.11	73	1618500	10.160	ppbv 100
29) Chloroform	5.85	83	1687062	9.391	ppbv 98
30) Cyclohexane	7.25	84	850368	9.832	ppbv 98
31) cis-1,2-Dichloroethene	5.64	61	1090987	9.779	ppbv 96
32) 1,1,1-Trichloroethane	6.62	97	1618143	9.285	ppbv 99
34) 2-Butanone	5.33	43	1573727	9.475	ppbv 100
35) Carbon Tetrachloride	7.14	117	1630610	8.993	ppbv 98
36) Benzene	7.01	78	2138862	9.506	ppbv 98
37) 1,2-Dichloroethane	6.42	62	1280547	9.144	ppbv 99
38) Trichloroethene	7.96	130	779869	9.178	ppbv 99
39) 1,2-Dichloropropane	7.74	63	828012	9.426	ppbv 96
40) 1,4-Dioxane	7.96	88	282386	8.664	ppbv # 99
41) Tetrahydrofuran	6.15	42	911631	9.990	ppbv 99
42) Bromodichloromethane	7.92	83	1830535	9.243	ppbv 98
43) Methyl Methacrylate	8.14	69	882998	9.701	ppbv 98

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QLast Update : Wed Mar 06 08:43:44 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3577865	8.992	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1158987	10.523	ppbv	97
46) cis-1,3-Dichloropropene	8.84	75	1337929	10.183	ppbv	95
47) 1,1,2-Trichloroethane	9.62	97	857343	9.068	ppbv	97
48) Dibromochloromethane	10.45	129	1469212	9.594	ppbv	100
49) Bromoform	13.21	173	1203996	9.845	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2230897	9.080	ppbv	99
51) 2-Hexanone	10.27	43	1741937	9.479	ppbv #	100
52) Tetrachloroethene	11.37	164	768673	9.167	ppbv	97
53) Toluene	9.95	91	2496022	9.595	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1343616	9.356	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.28	131	1020470	9.382	ppbv #	62
57) Chlorobenzene	12.31	112	1745239	8.946	ppbv	99
58) Ethyl Benzene	12.87	91	3362169	9.701	ppbv	100
59) m/p-Xylene	13.13	91	5490379m	18.591	ppbv	
60) o-Xylene	13.85	91	2623905	9.318	ppbv	100
61) Styrene	13.69	104	1978316	9.990	ppbv	99
62) Isopropylbenzene	14.83	105	3662111	9.328	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1690727	8.438	ppbv	100
64) n-propylbenzene	15.73	120	919771	9.451	ppbv	99
65) tert-Butylbenzene	16.91	119	3081529	9.194	ppbv	100
66) Benzyl Chloride	17.16	91	1534543	11.837	ppbv	100
67) sec-Butylbenzene	17.46	105	4447345	9.307	ppbv	100
69) p-Isopropyltoluene	17.82	119	3690035	9.550	ppbv	100
70) n-Butylbenzene	18.72	91	4013120	9.482	ppbv	100
71) 2-Chlorotoluene	15.62	91	2783932	9.275	ppbv	100
72) 4-Ethyltoluene	16.00	105	2977793	9.677	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2840369	9.616	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2871159	9.248	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1665499	9.172	ppbv	98
76) 1,4-Dichlorobenzene	17.31	146	1666325	9.259	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1631340	9.254	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1102629	8.838	ppbv	100
79) Naphthalene	22.42	128	4414132	11.627	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1934075	17.052	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	2038511	10.686	ppbv	99

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

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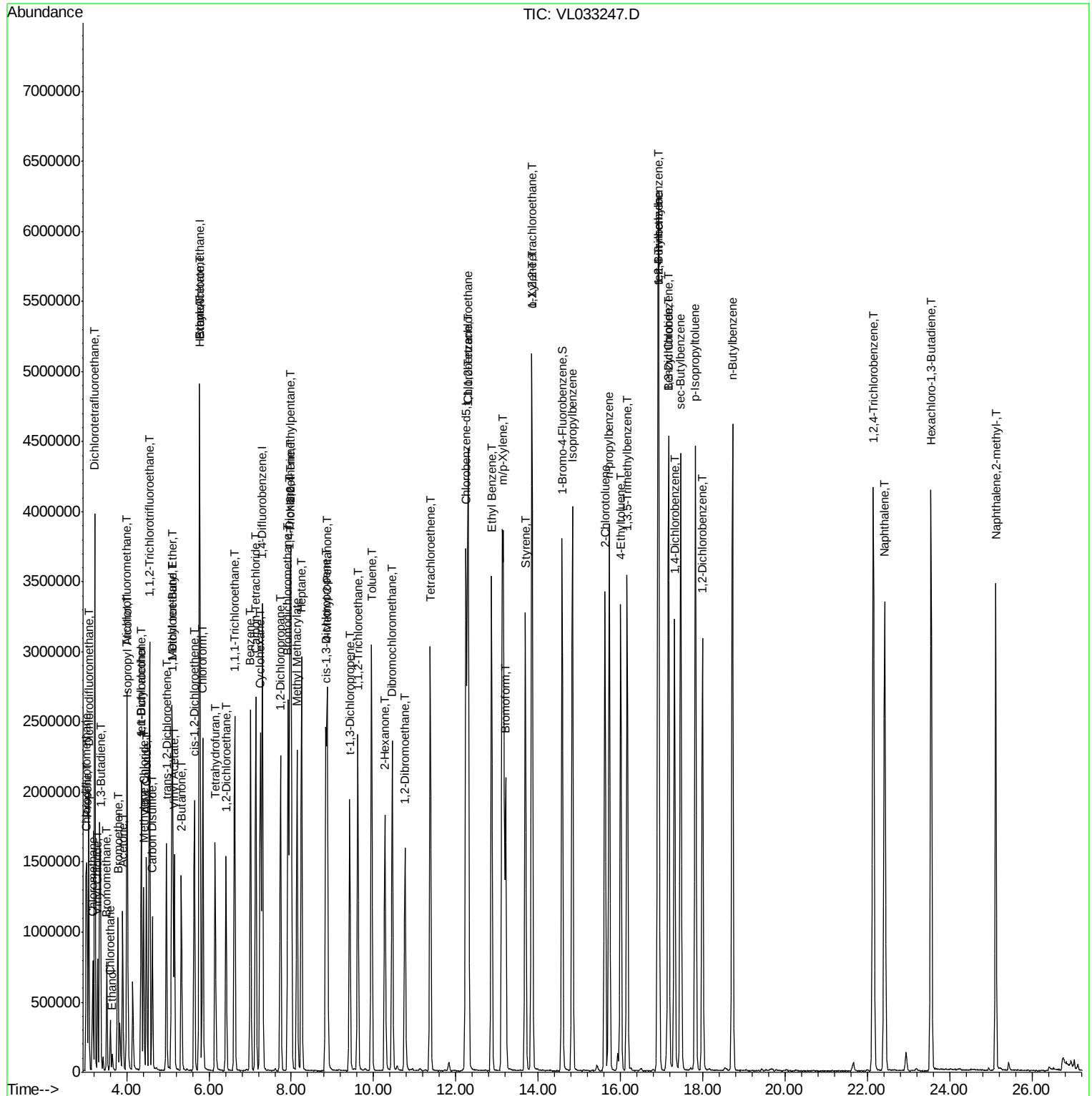
Quant Time: Mar 07 04:50:16 2019

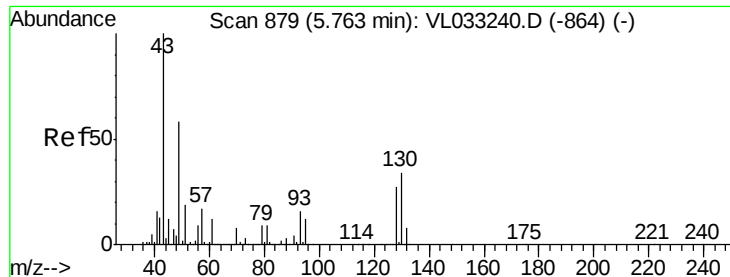
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030619AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

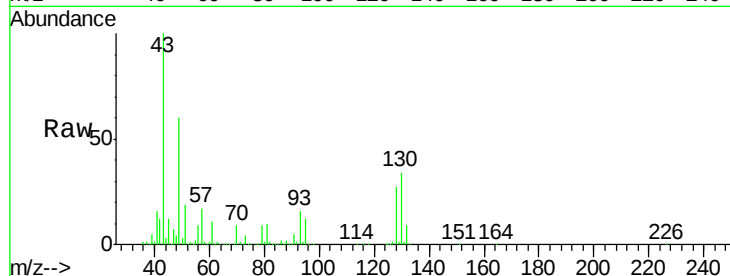
Tot Ion: 49 Resp: 1047356

Ion	Ratio	Lower	Upper
49	100		
128	46.6	22.9	68.8
130	59.4	29.3	88.0

49 100

128 46.6 22.9 68.8

130 59.4 29.3 88.0



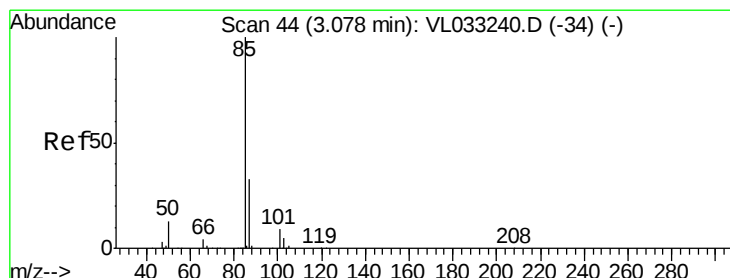
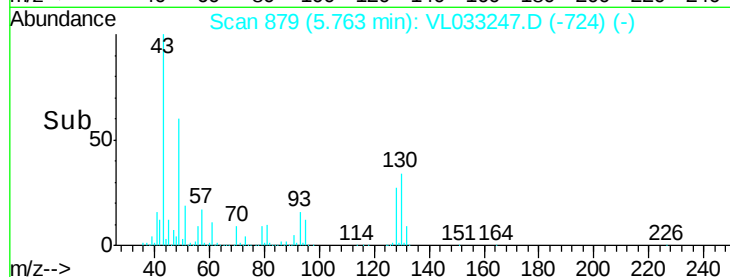
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.76

Time-->



#2

Dichlorodifluoromethane

Concen: 9.341 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033247.D

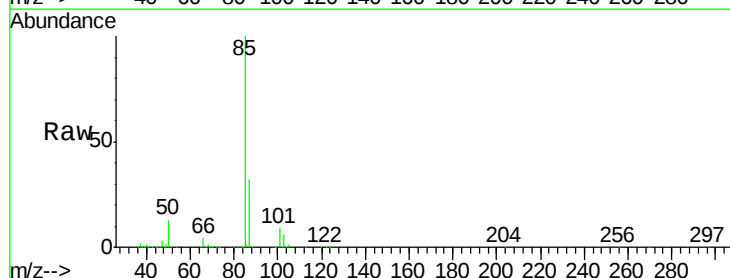
Acq: 6 Mar 2019 7:09

Tgt Ion: 85 Resp: 1381982

Ion	Ratio	Lower	Upper
85	100		
87	31.6	26.7	40.1

85 100

87 31.6 26.7 40.1

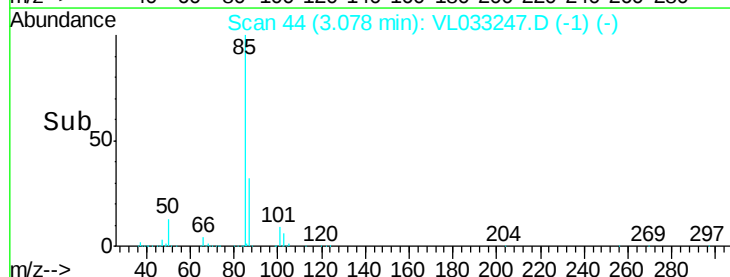


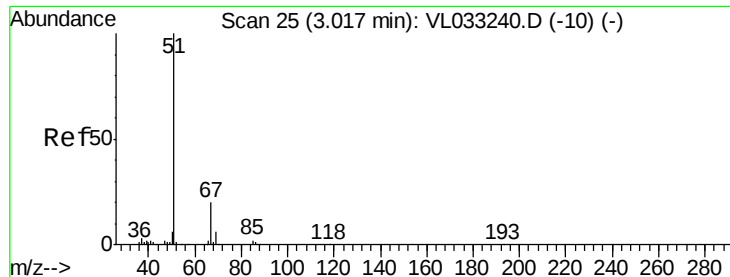
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.08

Time-->





#3

Chlorodifluoromethane

Concen: 10.191 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL033247.D

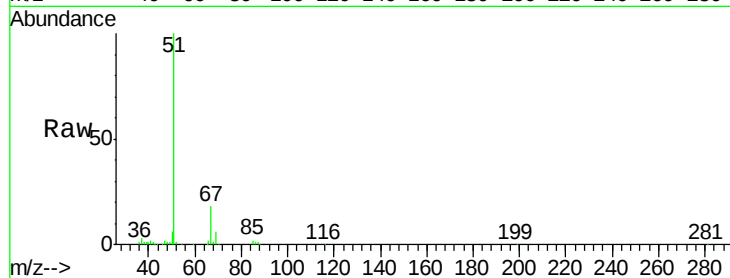
Acq: 6 Mar 2019 7:09

Tot Ion: 51 Resp: 1221522

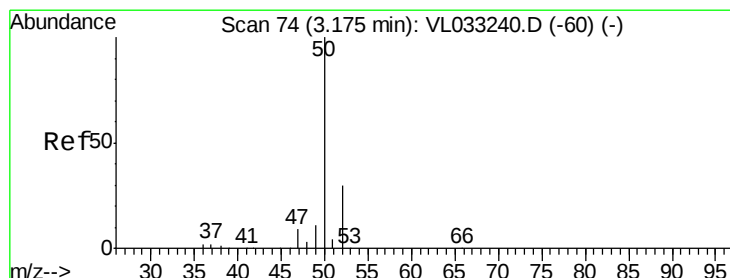
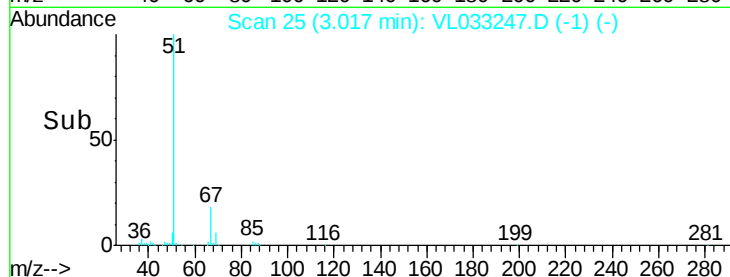
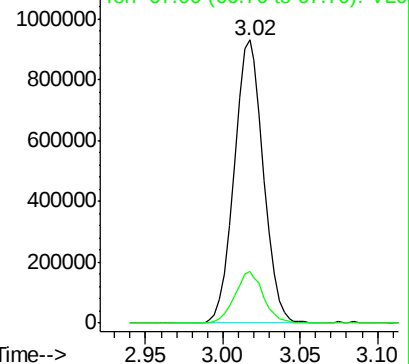
Ion Ratio Lower Upper

51 100

67 17.8 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: 10.694 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL033247.D

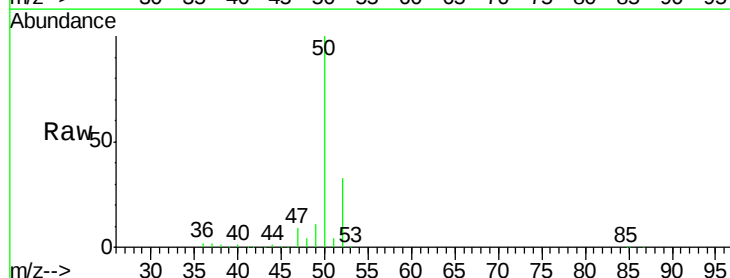
Acq: 6 Mar 2019 7:09

Tgt Ion: 50 Resp: 659899

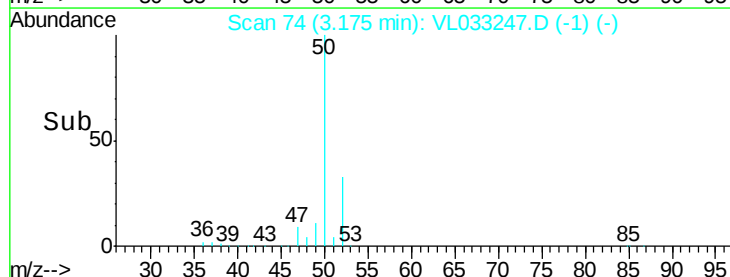
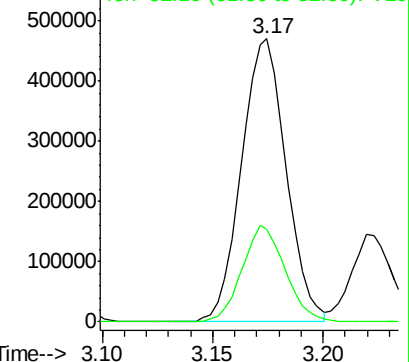
Ion Ratio Lower Upper

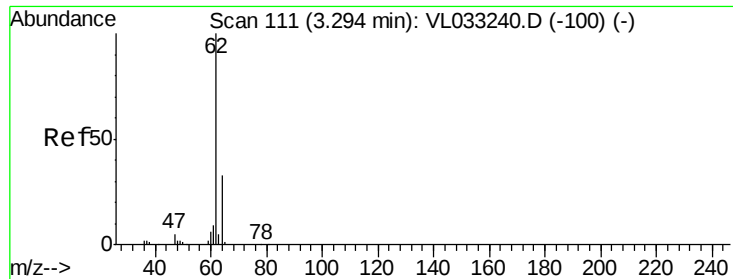
50 100

52 32.8 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: 9.176 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033247.D

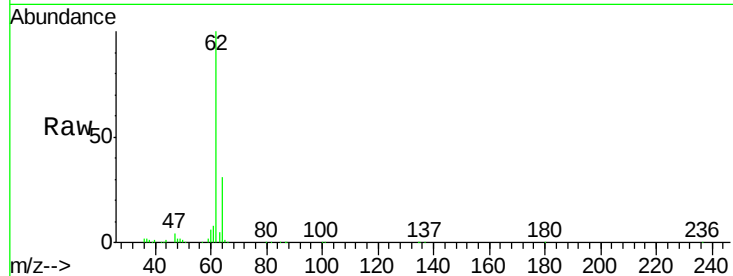
Acq: 6 Mar 2019 7:09

Tot Ion: 62 Resp: 634905

Ion Ratio Lower Upper

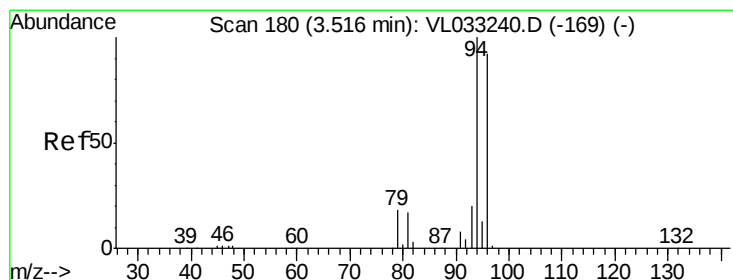
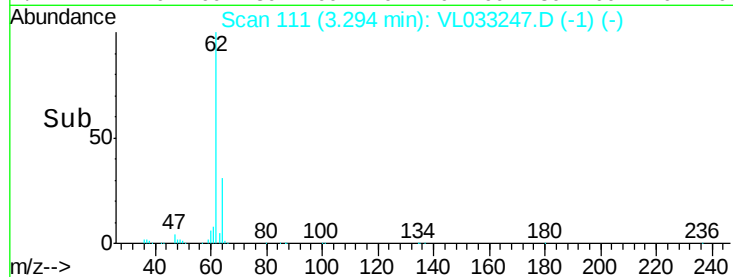
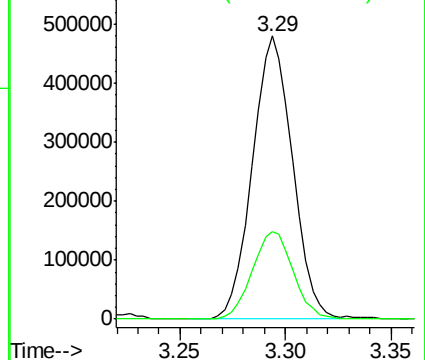
62 100

64 31.0 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: 9.833 ppbv

RT: 3.52 min Scan# 180

Delta R.T. -0.00 min

Lab File: VL033247.D

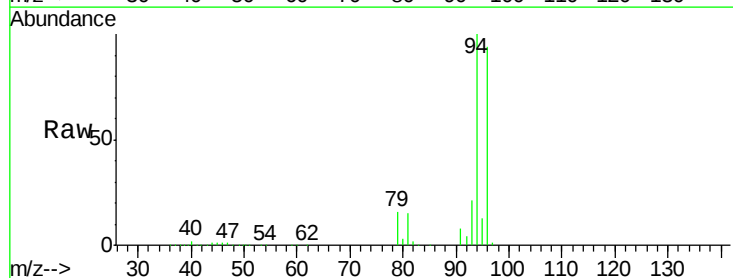
Acq: 6 Mar 2019 7:09

Tgt Ion: 94 Resp: 389069

Ion Ratio Lower Upper

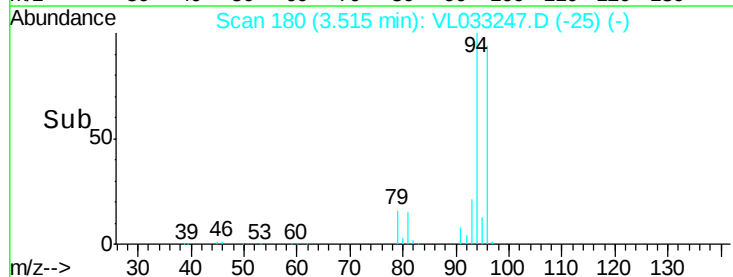
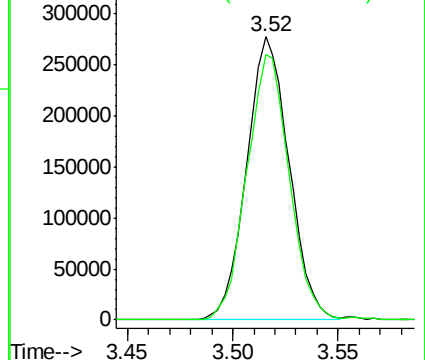
94 100

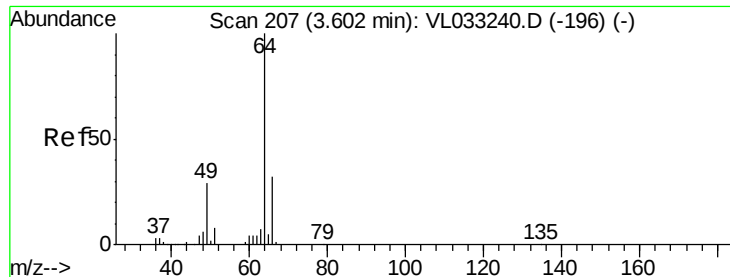
96 93.8 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.076 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033247.D

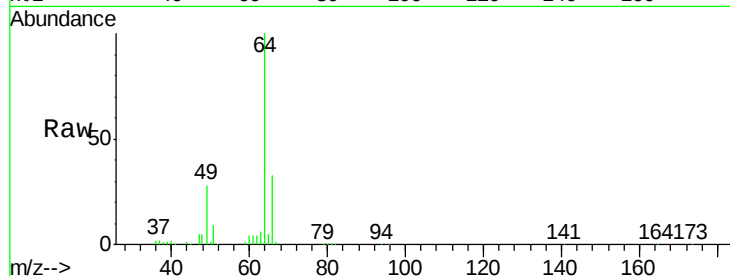
Acq: 6 Mar 2019 7:09

Tot Ion: 64 Resp: 232950

Ion Ratio Lower Upper

64 100

66 34.4 25.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

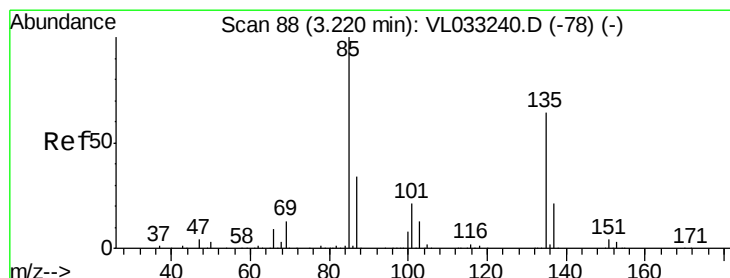
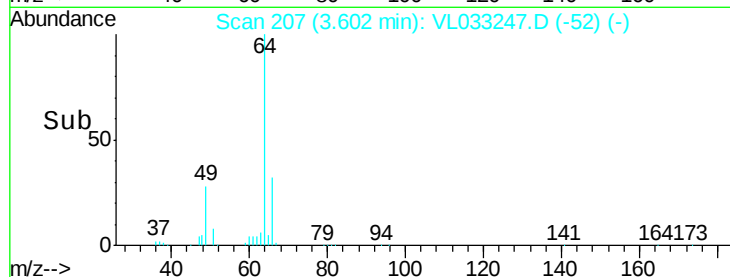
150000

100000

50000

0

Time--> 3.55 3.60 3.65



#8

Dichlorotetrafluoroethane

Concen: 10.243 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033247.D

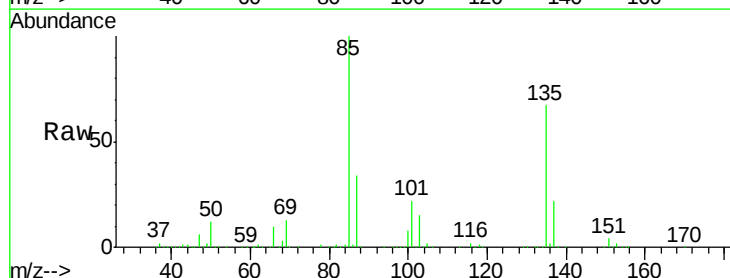
Acq: 6 Mar 2019 7:09

Tgt Ion: 85 Resp: 1498029

Ion Ratio Lower Upper

85 100

135 67.4 52.6 79.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

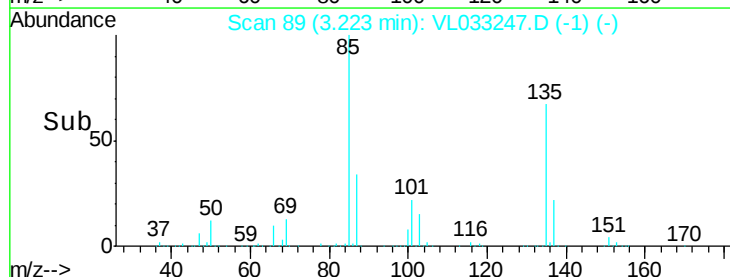
3.22

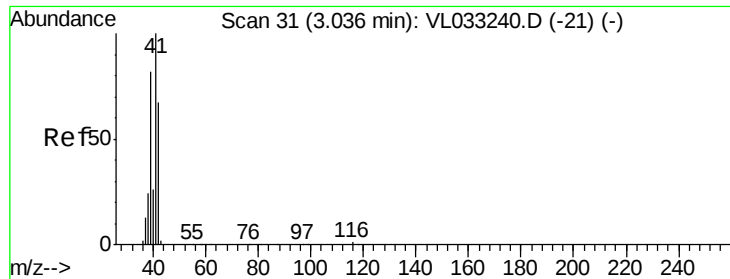
1000000

500000

0

Time--> 3.15 3.20 3.25 3.30





#9

Propene

Concen: 10.620 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033247.D

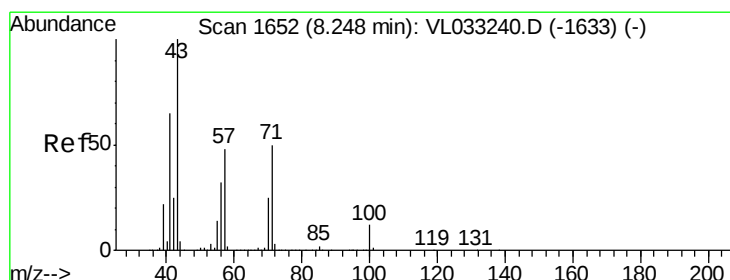
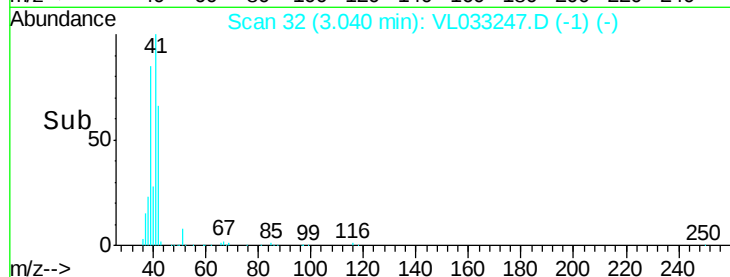
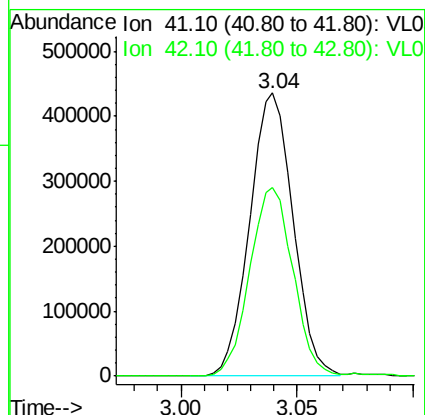
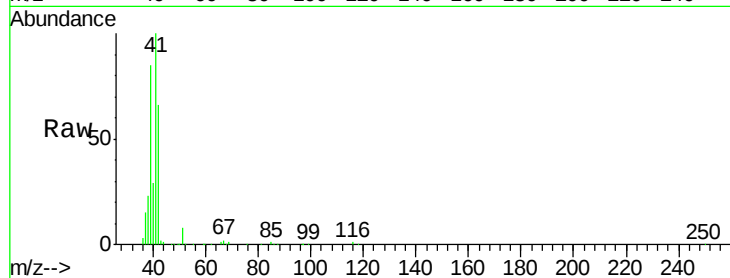
Acq: 6 Mar 2019 7:09

Tot Ion: 41 Resp: 567269

Ion Ratio Lower Upper

41 100

42 67.4 55.3 82.9



#10

Heptane

Concen: 9.460 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033247.D

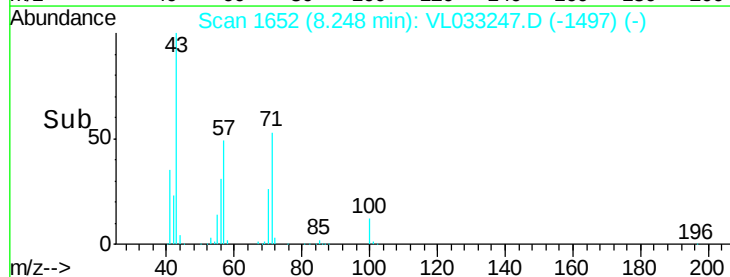
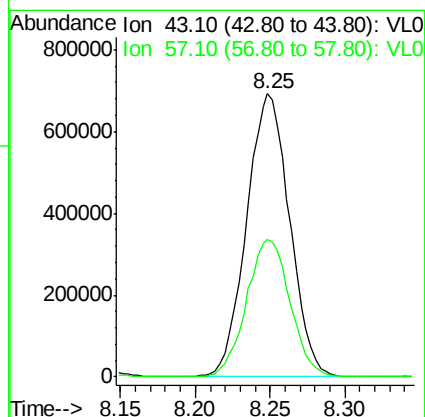
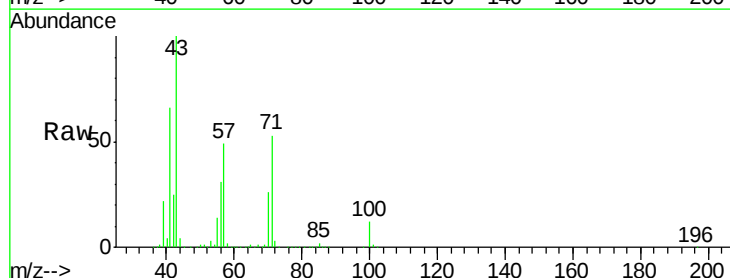
Acq: 6 Mar 2019 7:09

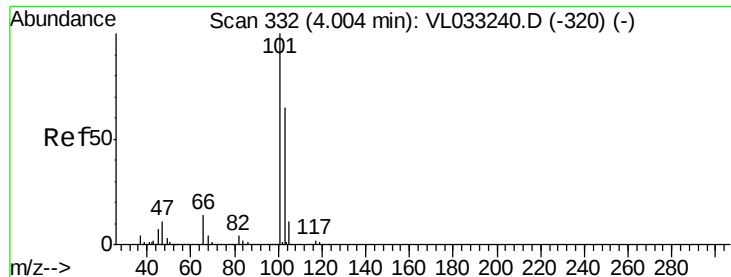
Tgt Ion: 43 Resp: 1374778

Ion Ratio Lower Upper

43 100

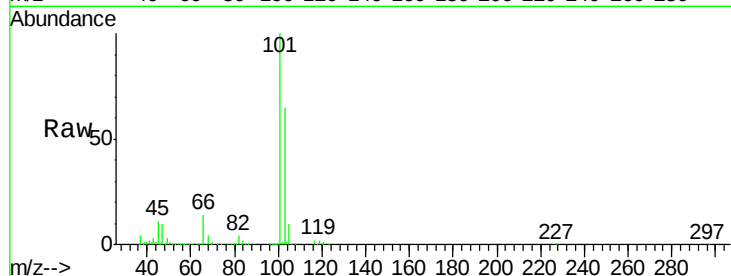
57 49.5 39.8 59.6



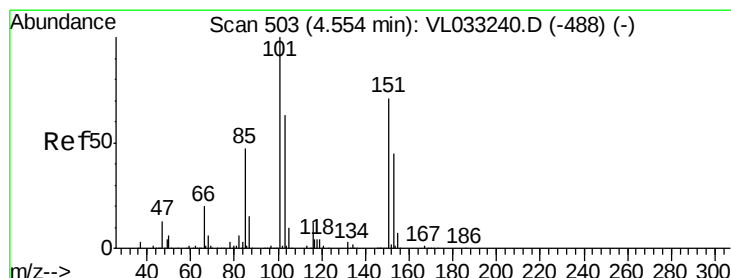
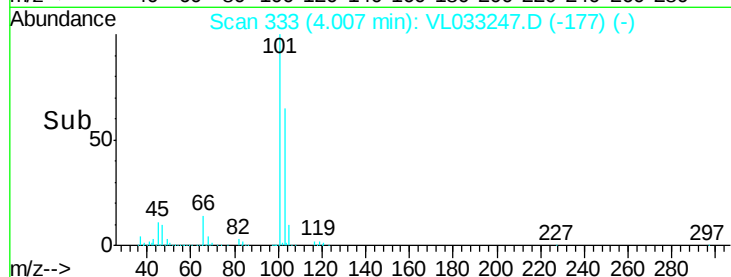
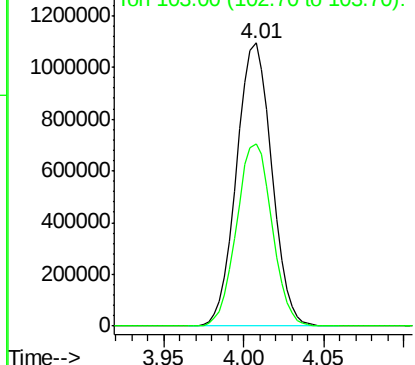


#11
 Trichlorofluoromethane
 Concen: 9.421 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

Tot Ion:101 Resp: 1636578
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.7 77.5

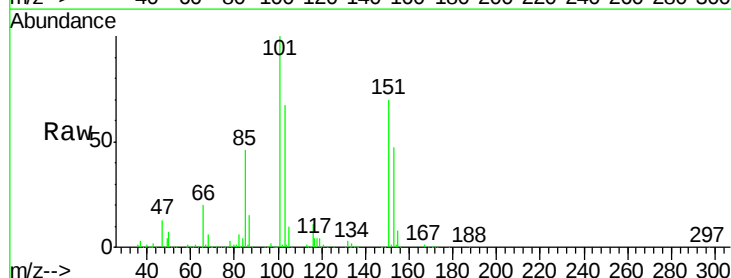


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V

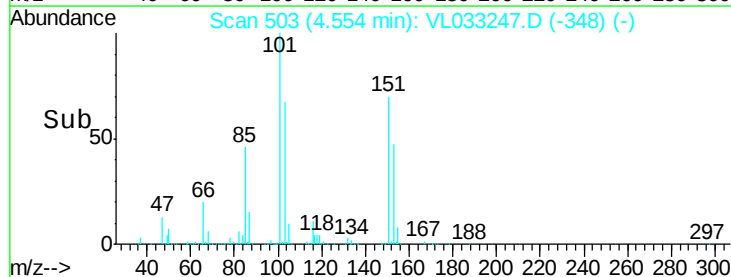
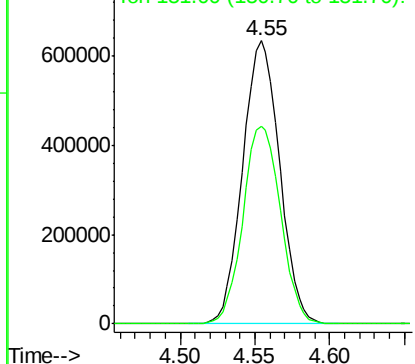


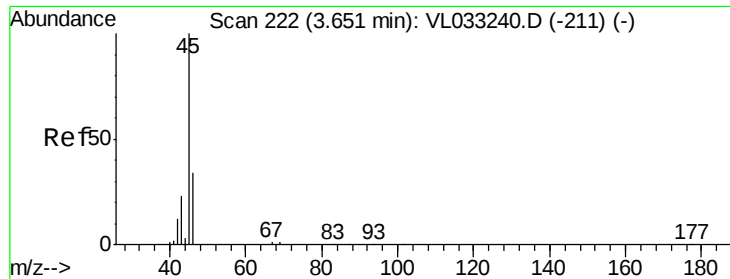
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.710 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

Tgt Ion:101 Resp: 1093539
 Ion Ratio Lower Upper
 101 100
 151 71.2 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.839 ppbv m

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033247.D

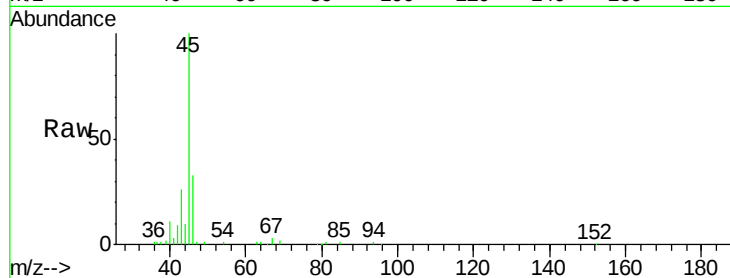
Acq: 6 Mar 2019 7:09

Tot Ion: 45 Resp: 109225

Ion Ratio Lower Upper

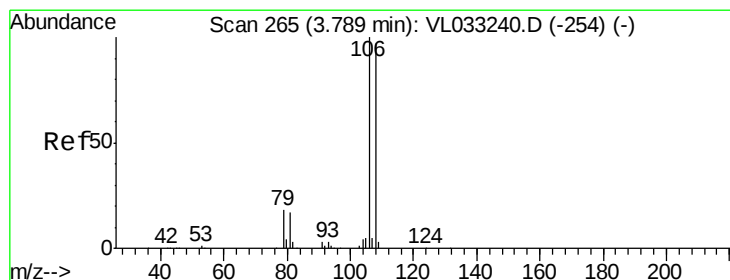
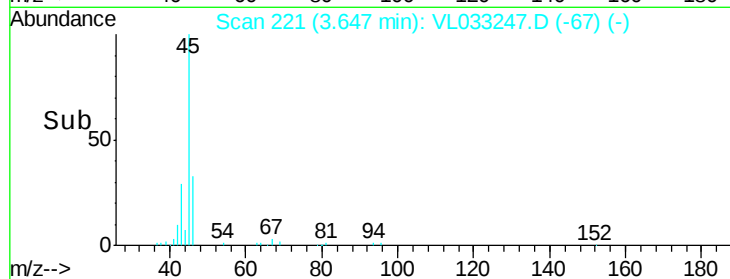
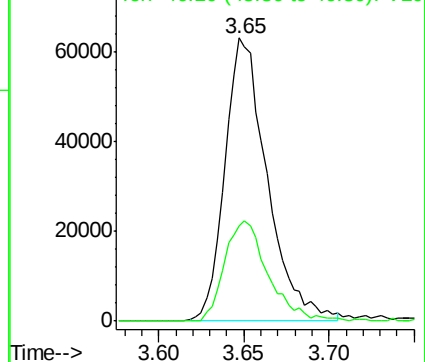
45 100

46 36.4 15.3 61.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.198 ppbv

RT: 3.79 min Scan# 265

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

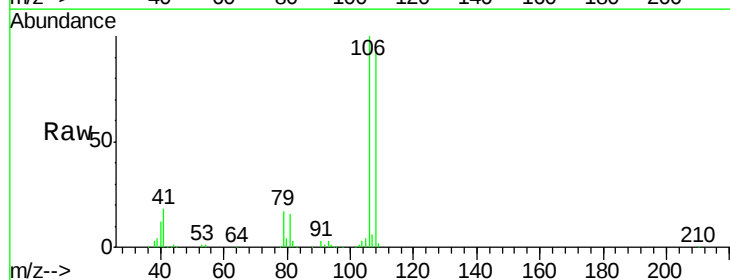
Tgt Ion: 108 Resp: 483902

Ion Ratio Lower Upper

108 100

106 108.7 85.5 128.3

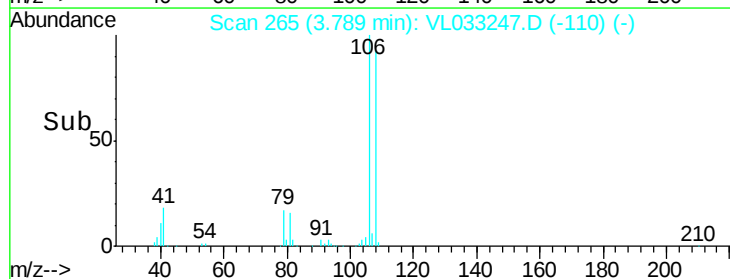
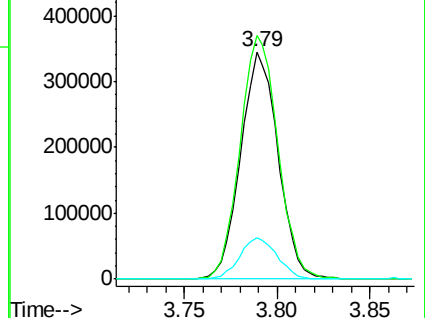
79 18.3 15.3 22.9

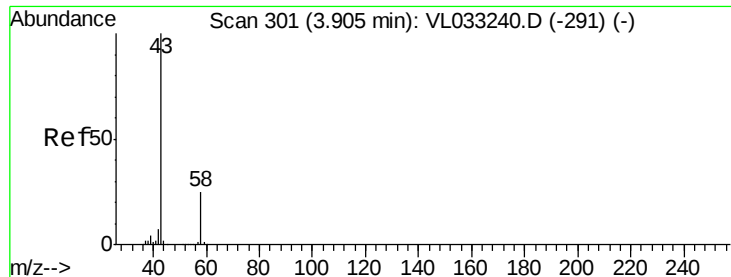


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.048 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL033247.D

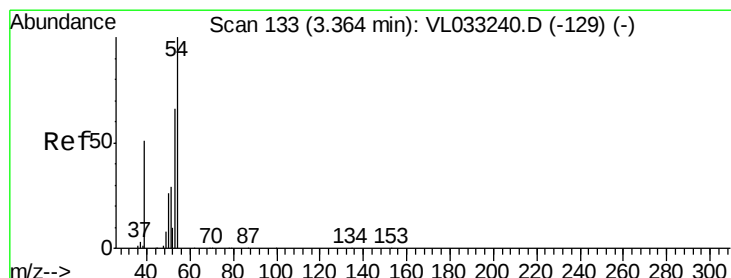
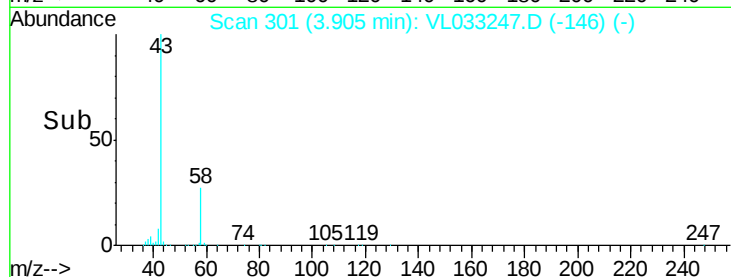
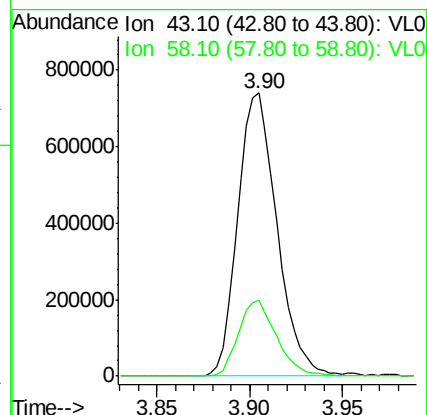
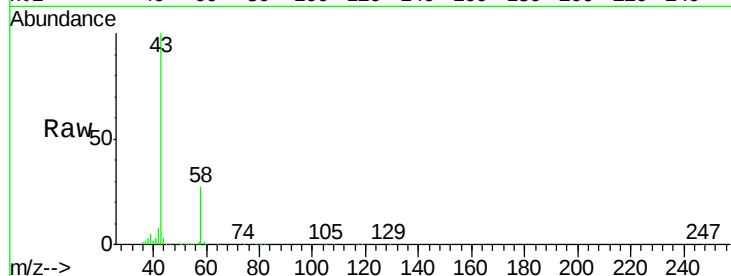
Acq: 6 Mar 2019 7:09

Tot Ion: 43 Resp: 1084747

Ion Ratio Lower Upper

43 100

58 26.3 20.2 30.4



#16

1,3-Butadiene

Concen: 9.658 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL033247.D

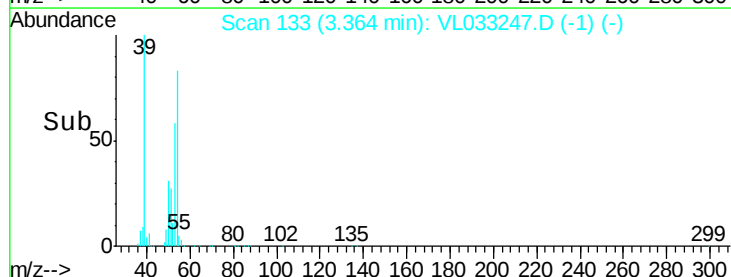
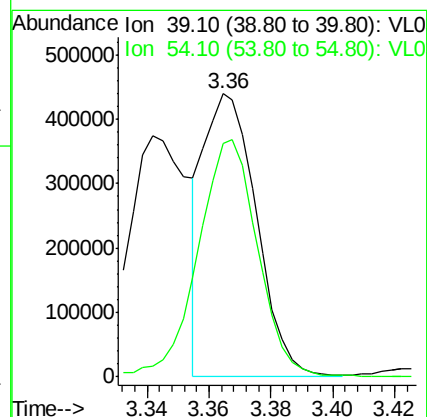
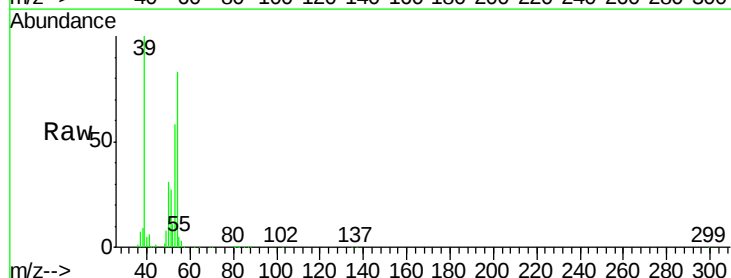
Acq: 6 Mar 2019 7:09

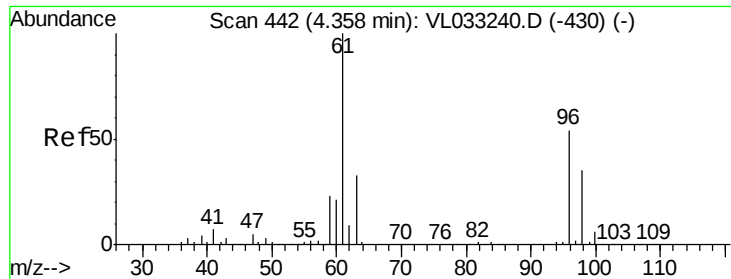
Tgt Ion: 39 Resp: 519797

Ion Ratio Lower Upper

39 100

54 95.9 69.6 104.4





#17

tert-Butyl alcohol

Concen: 10.822 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL033247.D

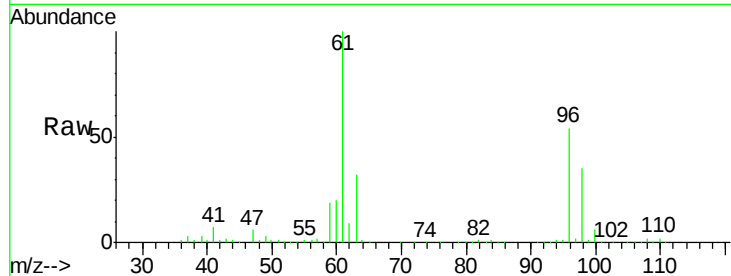
Acq: 6 Mar 2019 7:09

Tot Ion: 59 Resp: 237736

Ion Ratio Lower Upper

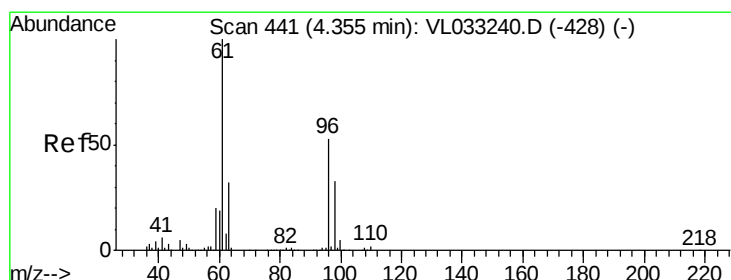
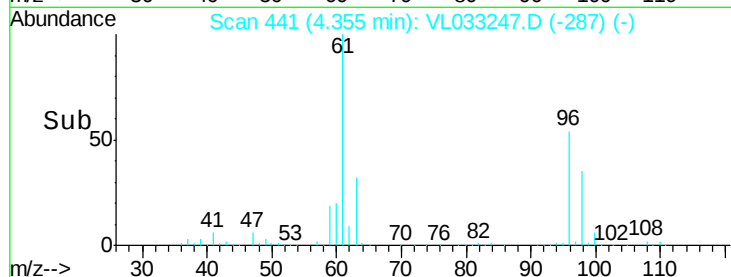
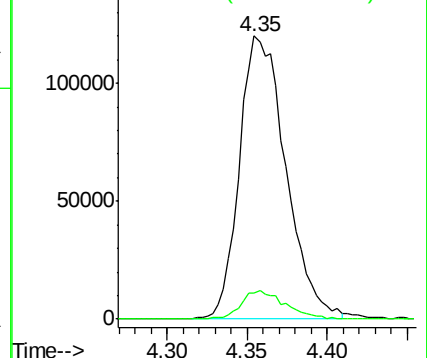
59 100

57 9.6 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: 10.367 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

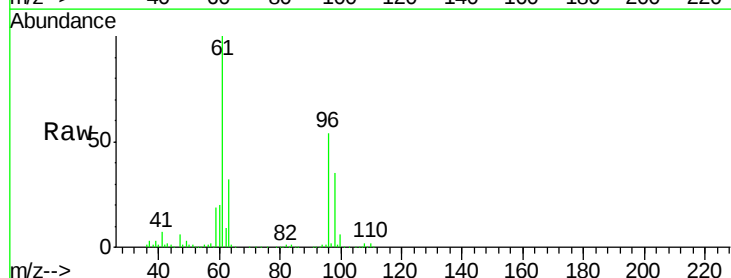
Tgt Ion: 96 Resp: 519863

Ion Ratio Lower Upper

96 100

61 185.0 150.2 225.2

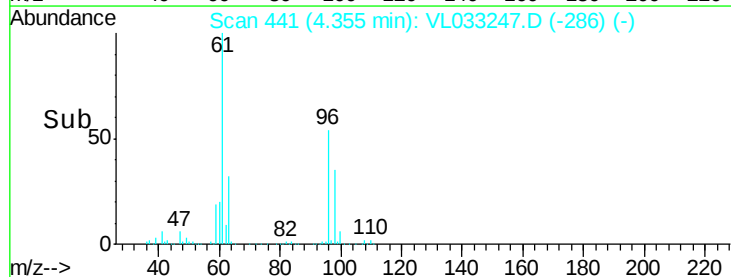
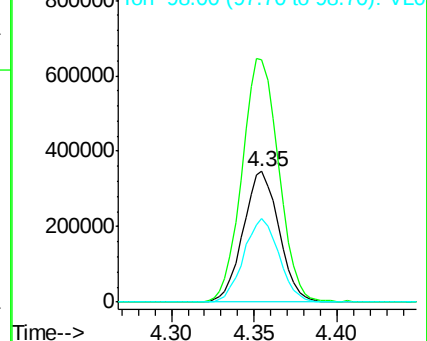
98 64.3 49.2 73.8

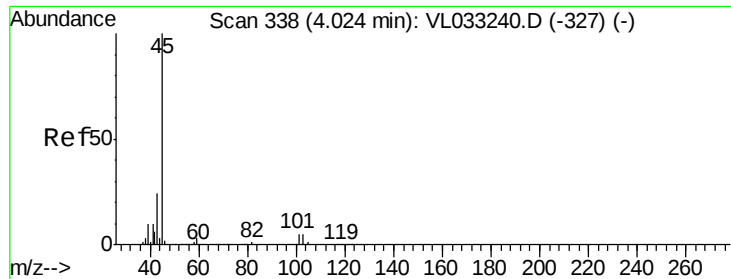


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 9.461 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.00 min

Lab File: VL033247.D

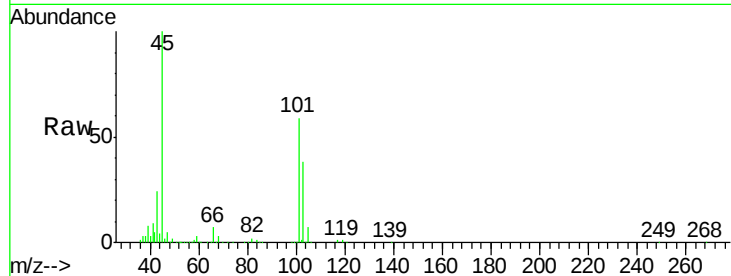
Acq: 6 Mar 2019 7:09

Tot Ion: 45 Resp: 758066

Ion Ratio Lower Upper

45 100

58 1.9 1.4 2.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.02

400000

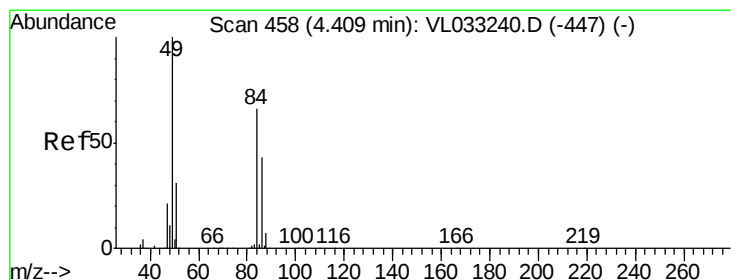
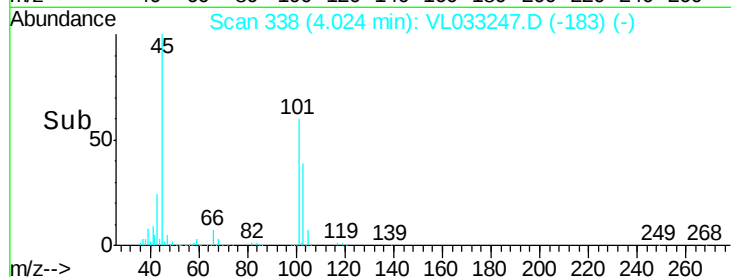
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.686 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

Tgt Ion: 84 Resp: 443683

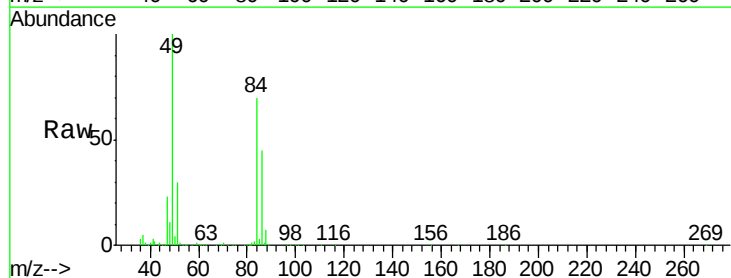
Ion Ratio Lower Upper

84 100

49 142.7 120.4 180.6

51 42.3 36.7 55.1

86 64.7 51.8 77.8



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

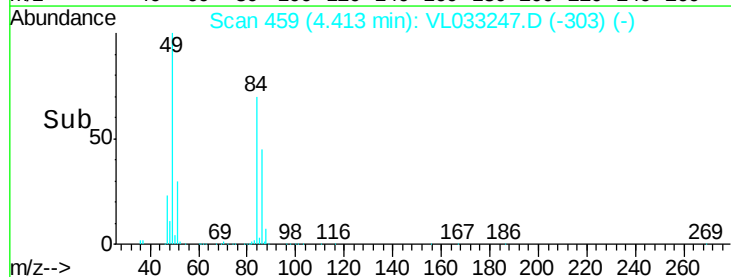
600000

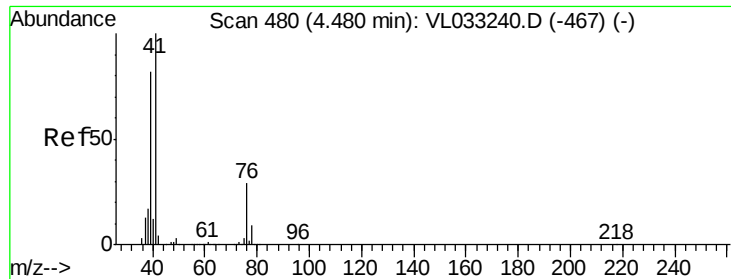
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.529 ppbv

RT: 4.48 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

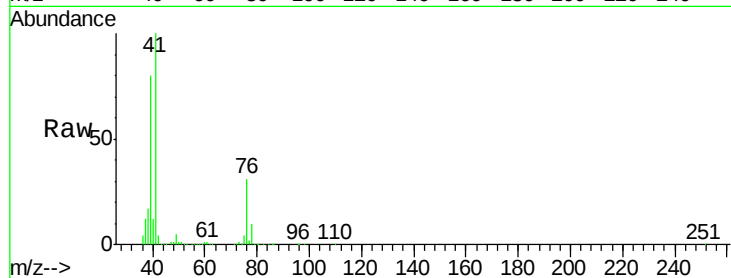
Tot Ion: 41 Resp: 791991

Ion	Ratio	Lower	Upper
41	100		
76	30.7	24.6	36.8
39	81.5	65.2	97.8

41 100

76 30.7 24.6 36.8

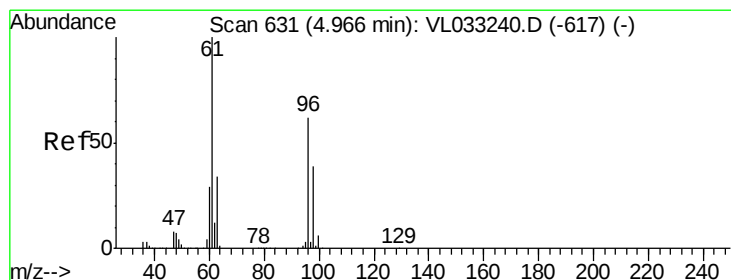
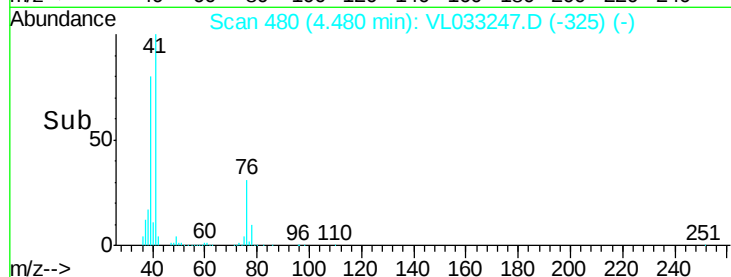
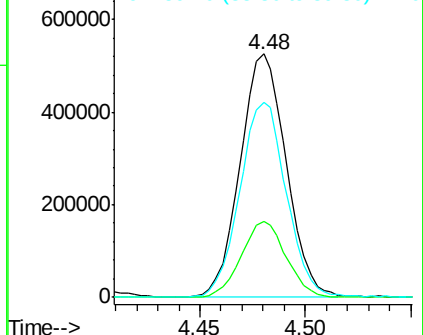
39 81.5 65.2 97.8



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: 9.842 ppbv

RT: 4.97 min Scan# 631

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

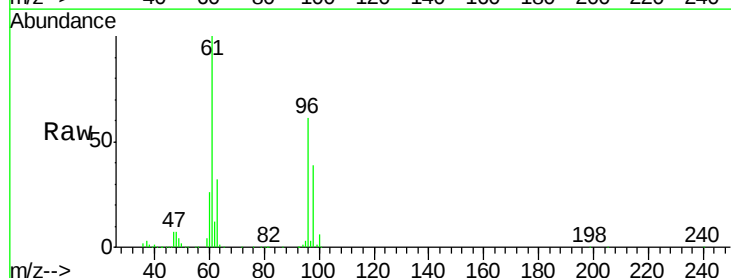
Tgt Ion: 96 Resp: 503822

Ion	Ratio	Lower	Upper
96	100		
61	163.3	128.3	192.5
98	63.6	50.6	75.8

96 100

61 163.3 128.3 192.5

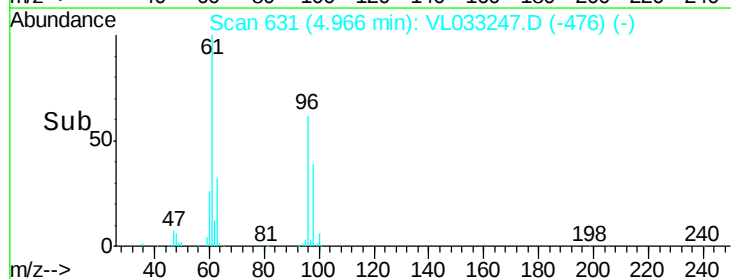
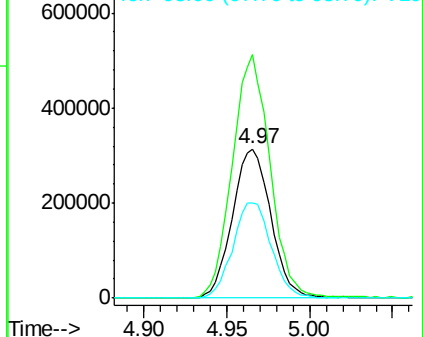
98 63.6 50.6 75.8

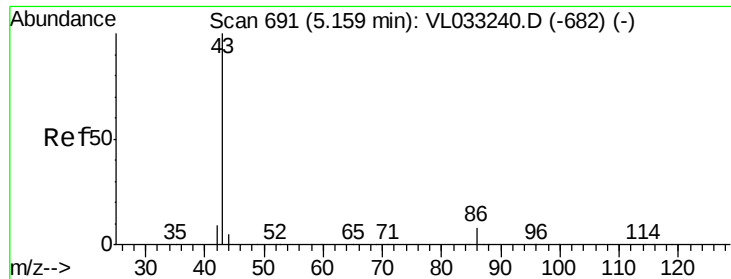


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.063 ppbv

RT: 5.16 min Scan# 690

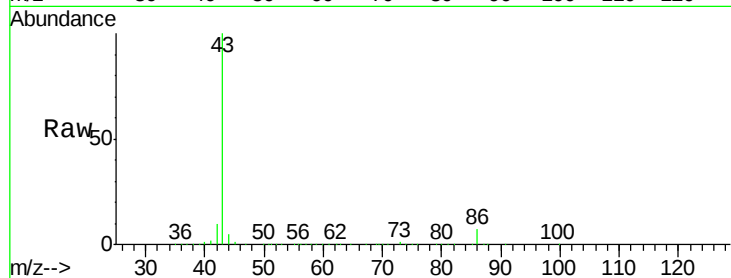
Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

Tot Ion: 43 Resp: 2000629

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.5	8.3
42	10.1	7.7	11.5
44	5.1	4.1	6.1

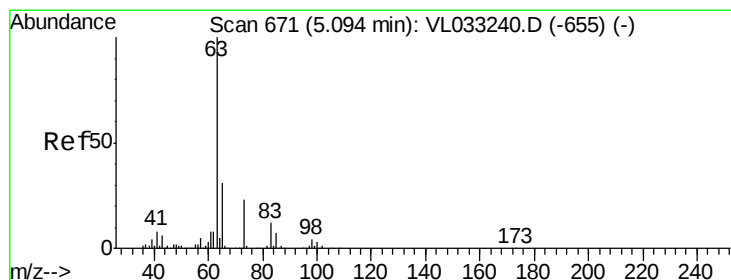
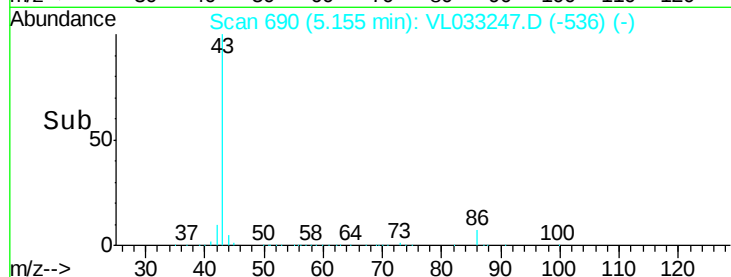
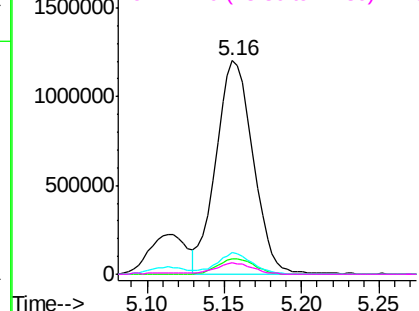


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.621 ppbv

RT: 5.09 min Scan# 671

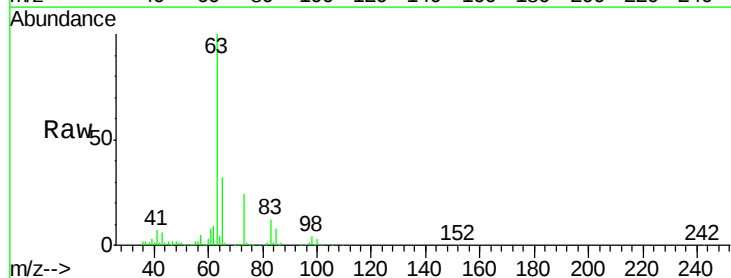
Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

Tgt Ion: 63 Resp: 1363757

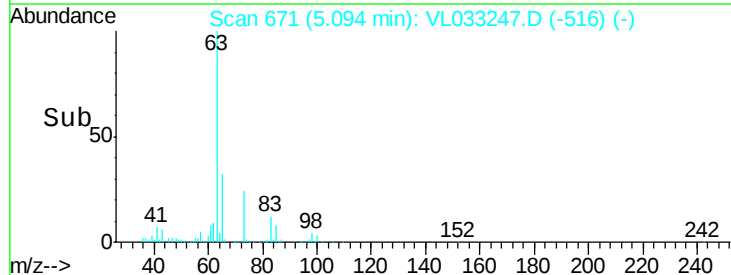
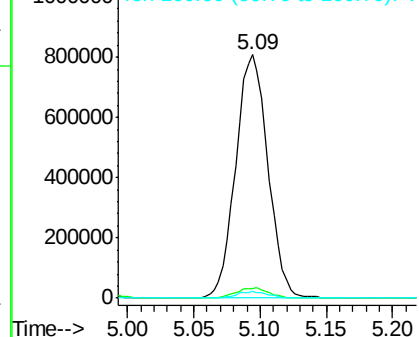
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.3
100	2.5	1.3	3.8

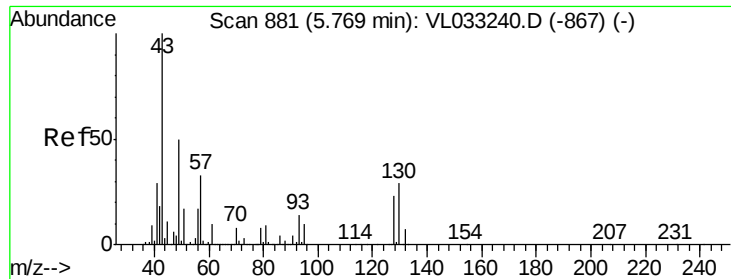


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

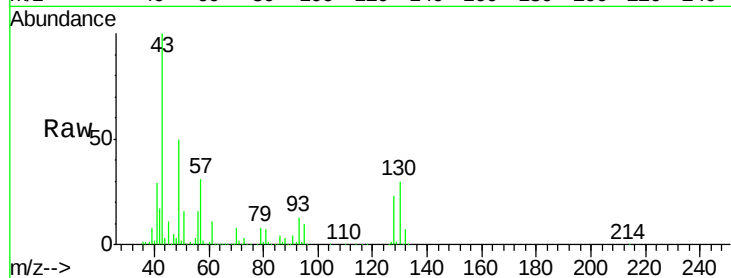




#25
Ethyl Acetate
Concen: 9.370 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033247.D
Acq: 6 Mar 2019 7:09

Tot Ion: 43 Resp: 2315228

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.3	7.0	10.6
70	7.2	5.5	8.3



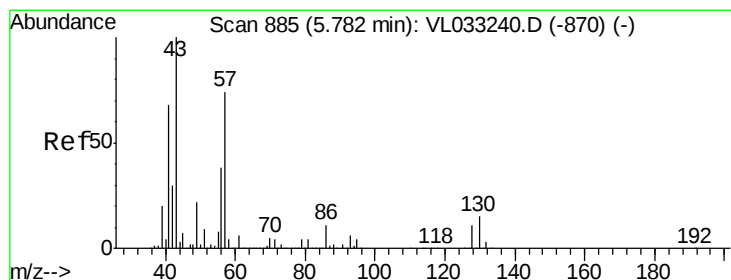
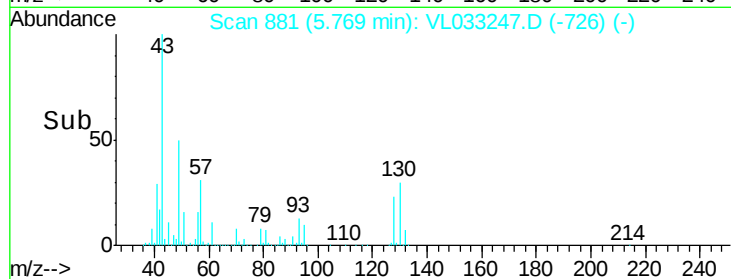
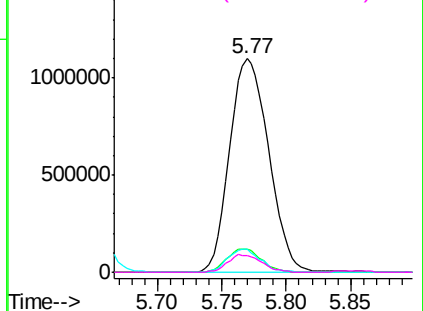
Abundance

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

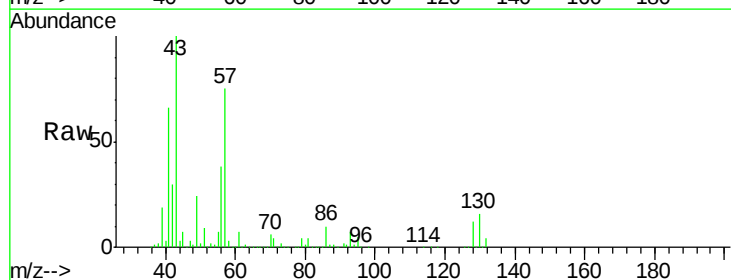
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.973 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033247.D
Acq: 6 Mar 2019 7:09

Tgt Ion: 57 Resp: 1036496

Ion	Ratio	Lower	Upper
57	100		
41	89.0	73.4	110.2
43	223.8	182.1	273.1
56	52.6	42.6	64.0



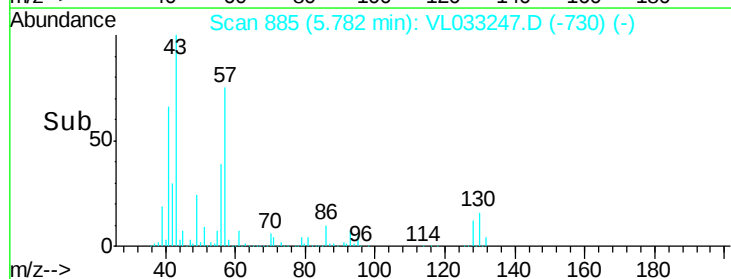
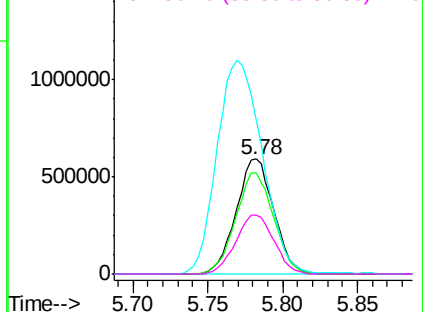
Abundance

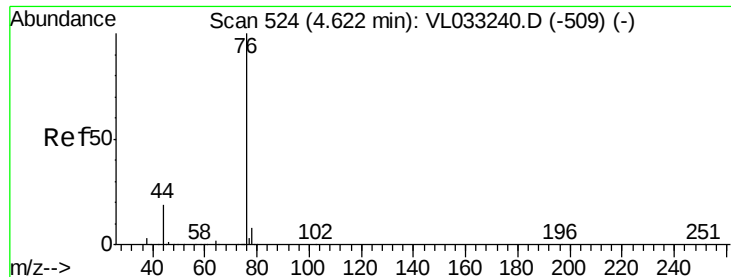
Ion 57.10 (56.80 to 57.80): VL0

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: 10.799 ppbv

RT: 4.62 min Scan# 524

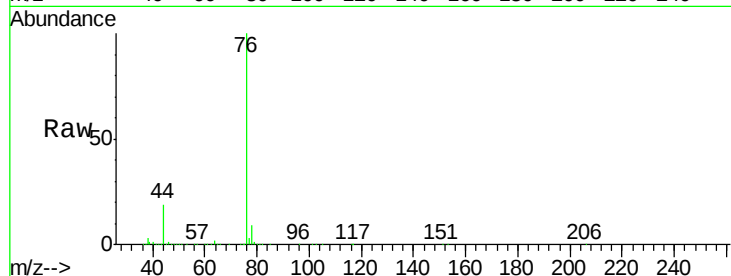
Delta R.T. -0.00 min

Lab File: VL033247.D

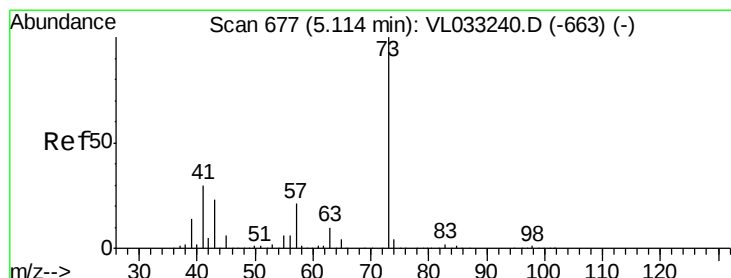
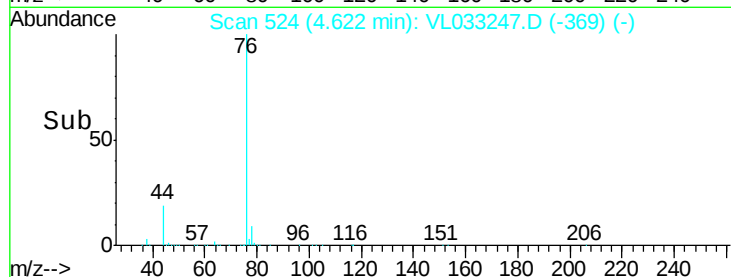
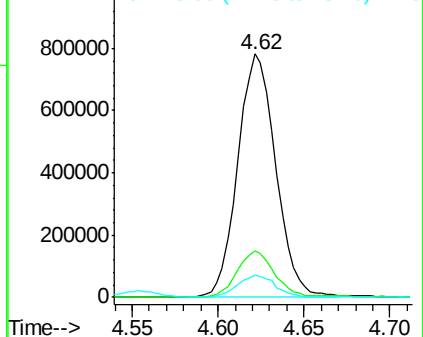
Acq: 6 Mar 2019 7:09

Tot Ion: 76 Resp: 1202464

Ion	Ratio	Lower	Upper
76	100		
44	18.3	15.0	22.6
78	9.2	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: 10.160 ppbv

RT: 5.11 min Scan# 677

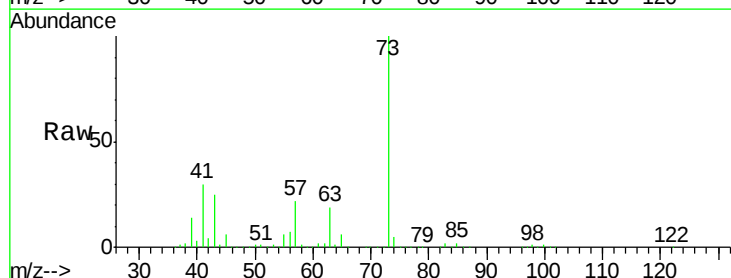
Delta R.T. -0.00 min

Lab File: VL033247.D

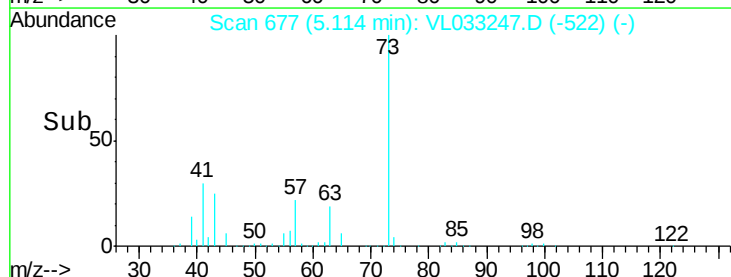
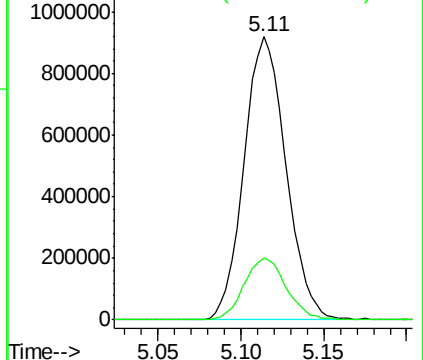
Acq: 6 Mar 2019 7:09

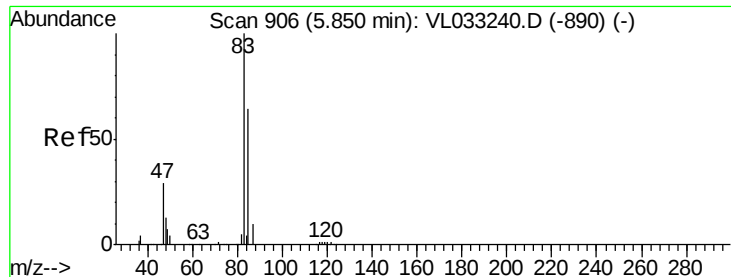
Tgt Ion: 73 Resp: 1618500

Ion	Ratio	Lower	Upper
73	100		
57	22.1	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: 9.391 ppbv

RT: 5.85 min Scan# 907

Delta R.T. 0.00 min

Lab File: VL033247.D

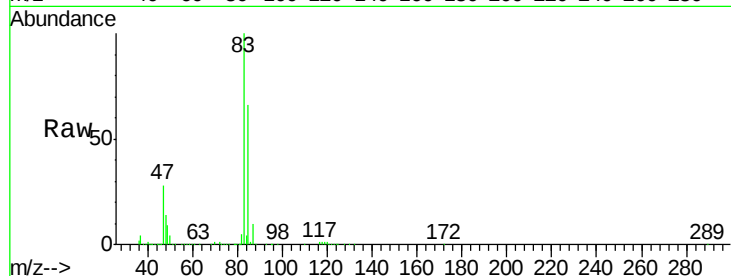
Acq: 6 Mar 2019 7:09

Tot Ion: 83 Resp: 1687062

Ion Ratio Lower Upper

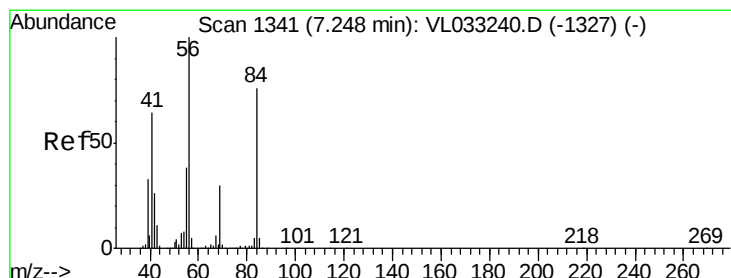
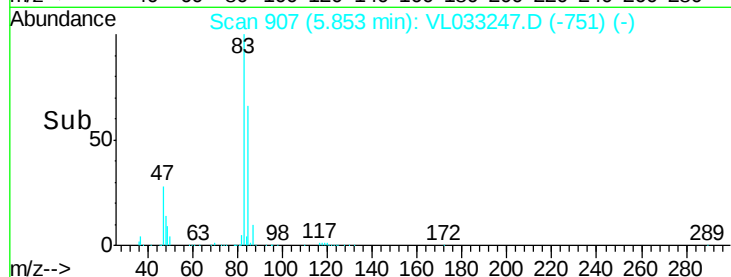
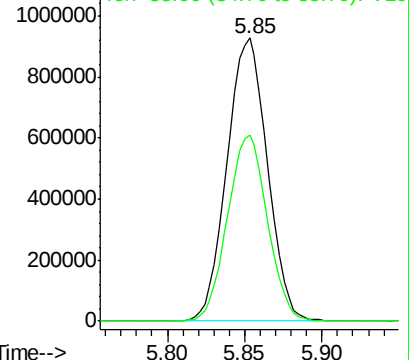
83 100

85 65.6 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: 9.832 ppbv

RT: 7.25 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

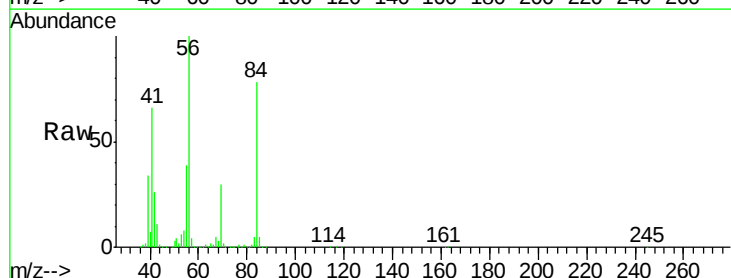
Tgt Ion: 84 Resp: 850368

Ion Ratio Lower Upper

84 100

56 139.4 113.1 169.7

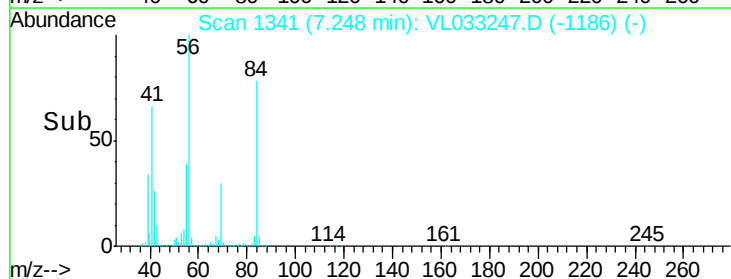
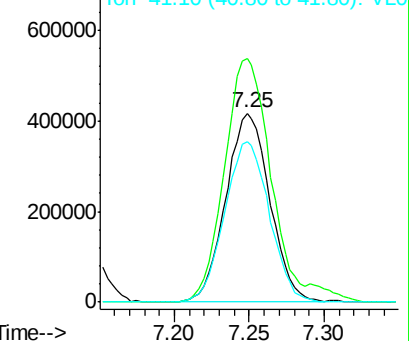
41 86.8 70.8 106.2

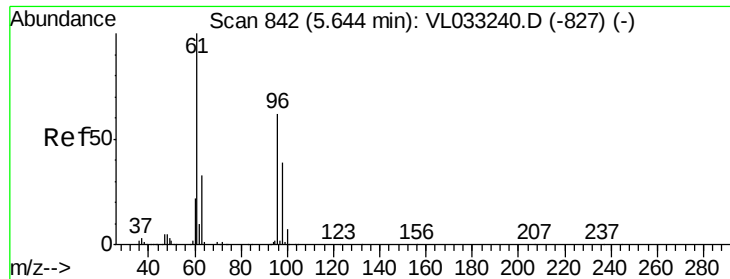


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



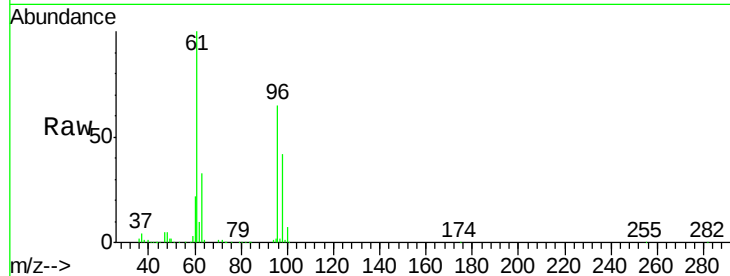


#31

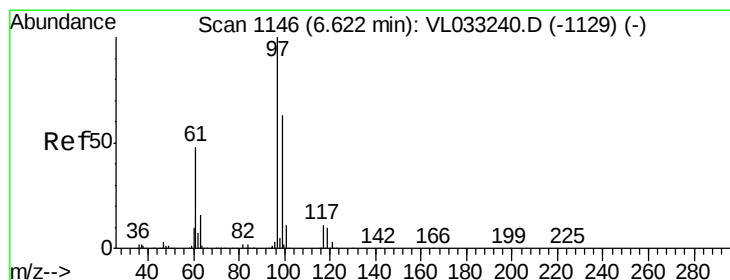
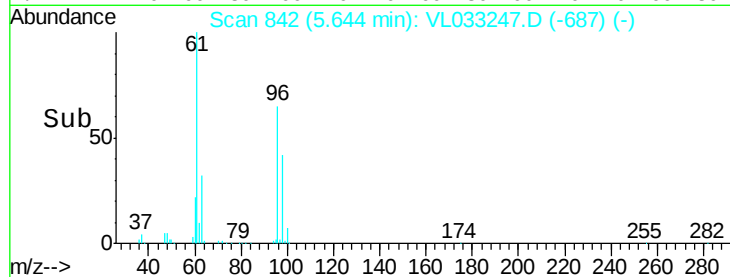
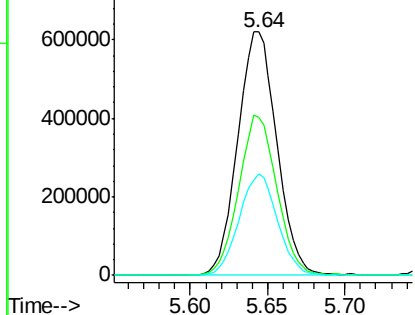
cis-1,2-Dichloroethene
 Concen: 9.779 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

Tot Ion: 61 Resp: 1090987

Ion	Ratio	Lower	Upper
61	100		
96	64.6	49.4	74.0
98	41.5	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

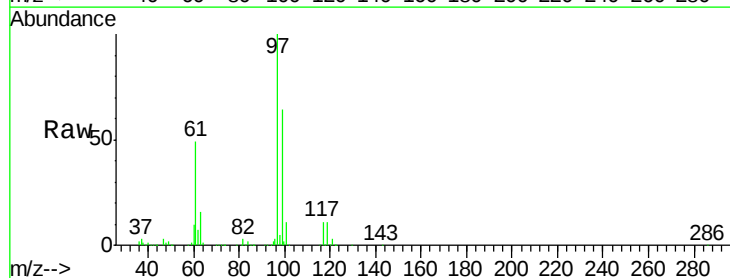


#32

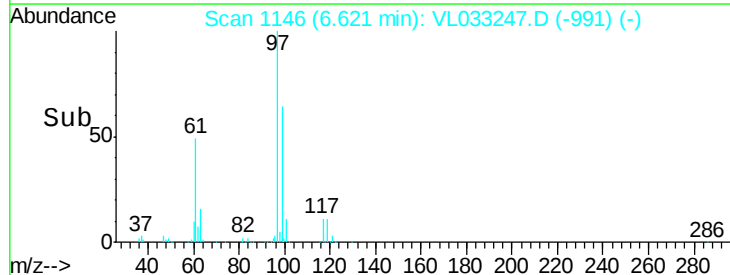
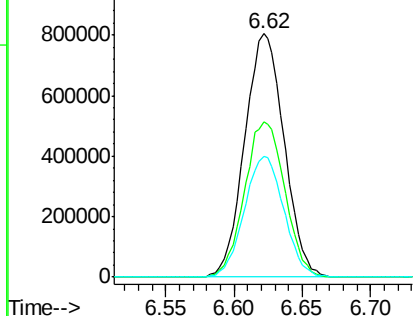
1,1,1-Trichloroethane
 Concen: 9.285 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

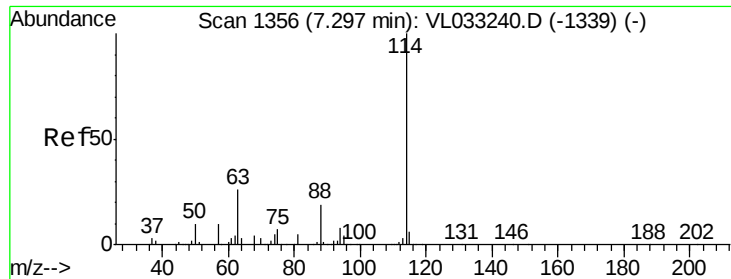
Tgt Ion: 97 Resp: 1618143

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	49.6	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: VL033247.D

Acq: 6 Mar 2019 7:09

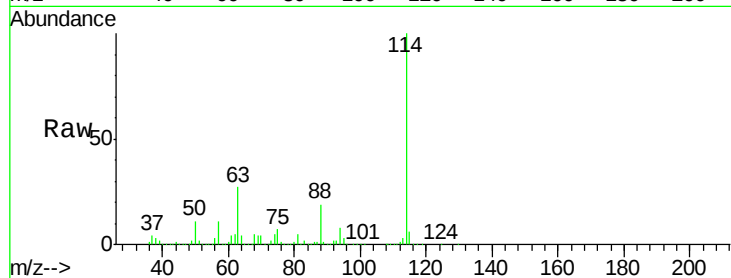
Tot Ion:114 Resp: 2397287

Ion Ratio Lower Upper

114 100

63 27.2 22.0 33.0

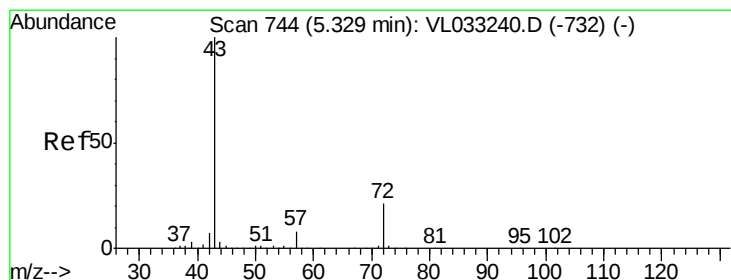
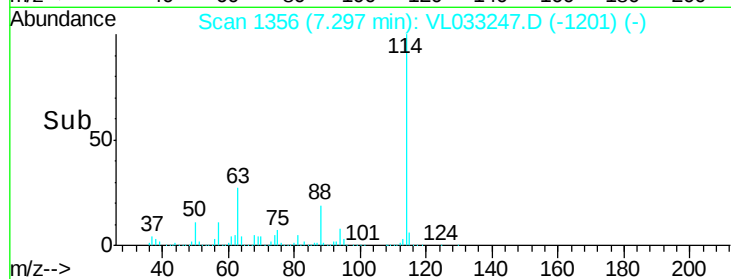
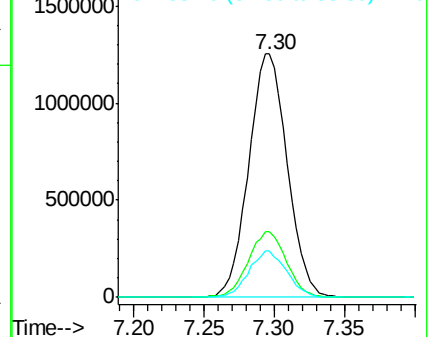
88 18.6 15.0 22.4



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: 9.475 ppbv

RT: 5.33 min Scan# 744

Delta R.T. -0.00 min

Lab File: VL033247.D

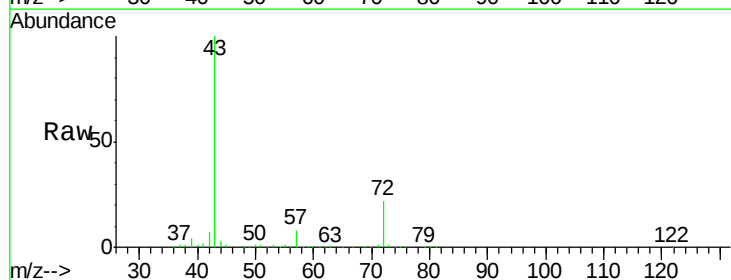
Acq: 6 Mar 2019 7:09

Tgt Ion: 43 Resp: 1573727

Ion Ratio Lower Upper

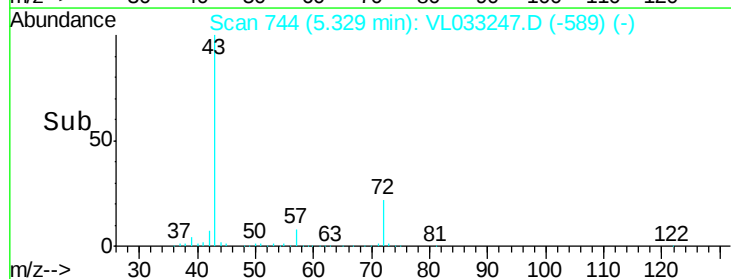
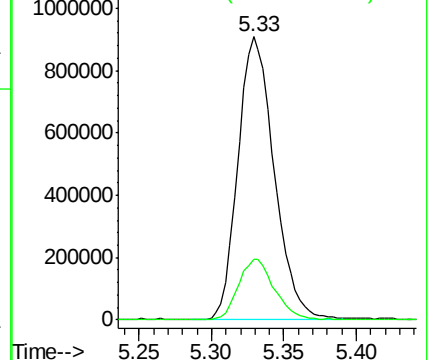
43 100

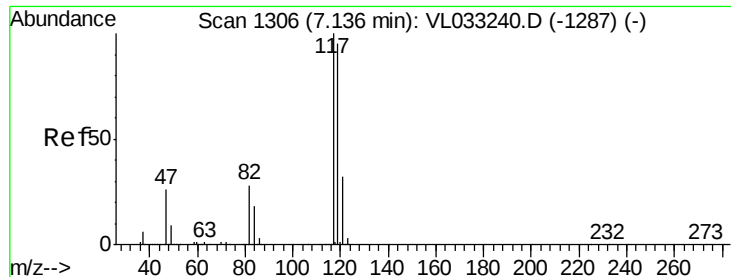
72 21.6 17.1 25.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.993 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

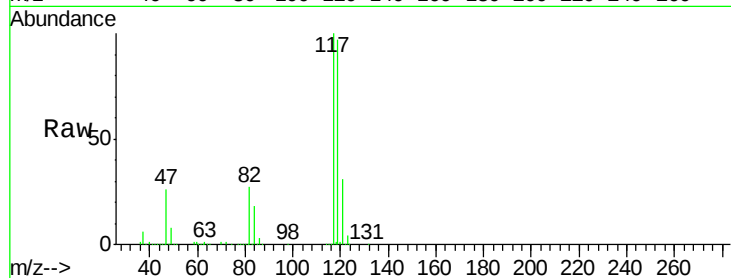
Tot Ion:117 Resp: 1630610

Ion Ratio Lower Upper

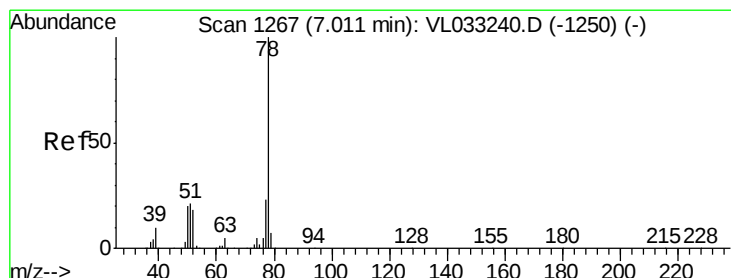
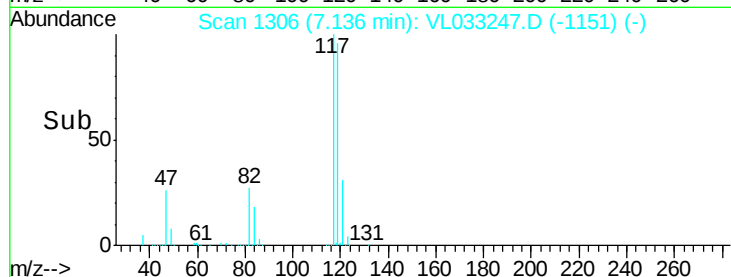
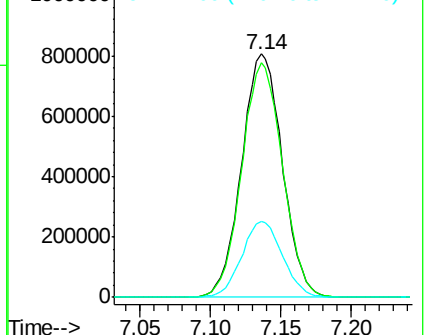
117 100

119 96.5 75.8 113.6

121 31.0 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: 9.506 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

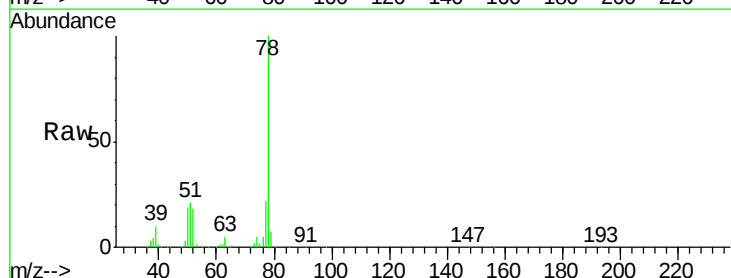
Tgt Ion: 78 Resp: 2138862

Ion Ratio Lower Upper

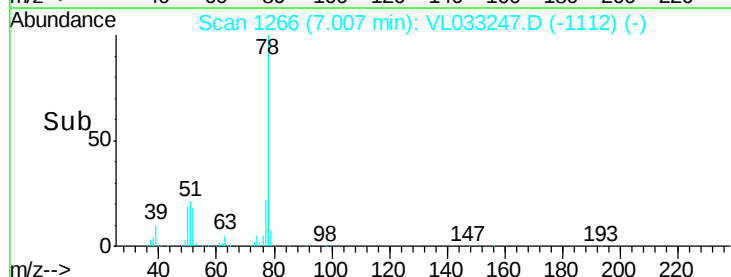
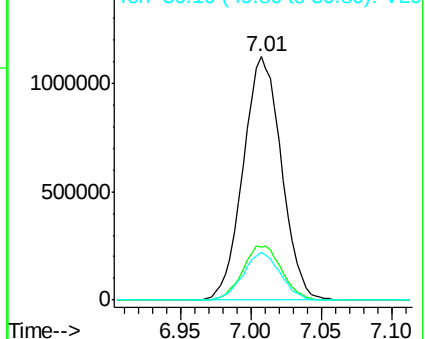
78 100

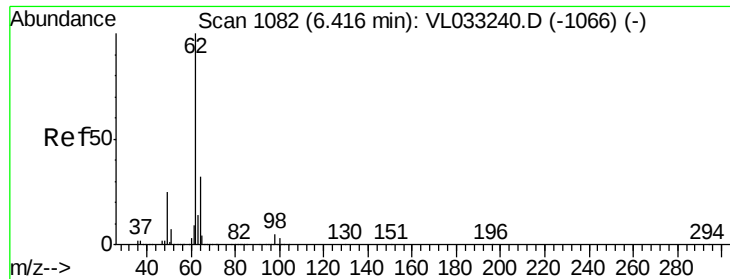
77 21.6 18.0 27.0

50 19.4 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: 9.144 ppbv

RT: 6.42 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VL033247.D

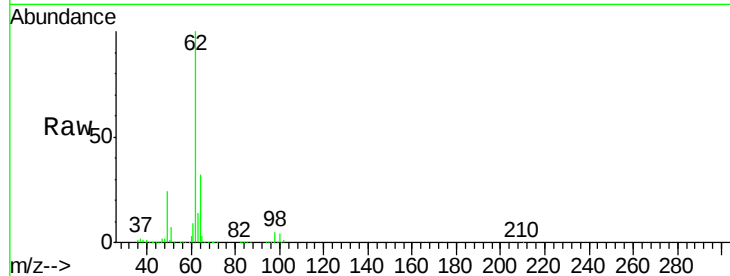
Acq: 6 Mar 2019 7:09

Tot Ion: 62 Resp: 1280547

Ion Ratio Lower Upper

62 100

98 5.9 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.42

800000

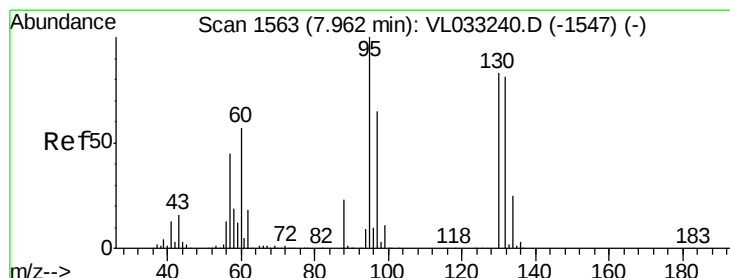
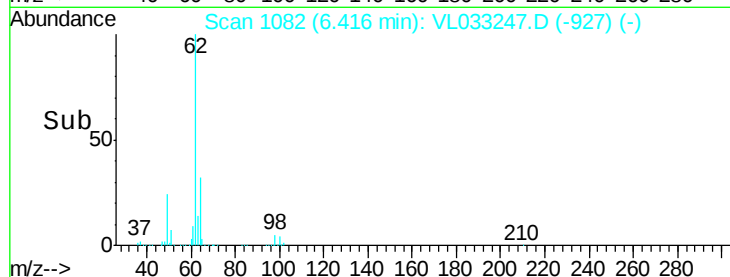
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.178 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

Tgt Ion: 130 Resp: 779869

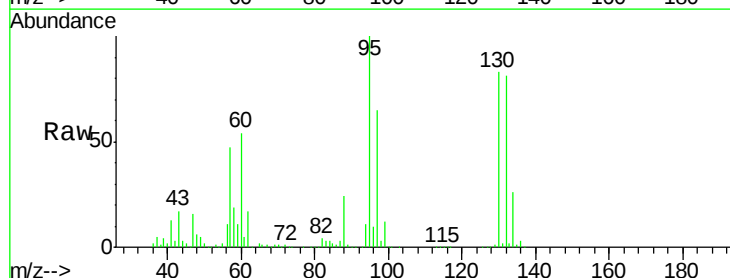
Ion Ratio Lower Upper

130 100

95 120.6 95.7 143.5

132 97.9 77.4 116.2

97 78.0 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

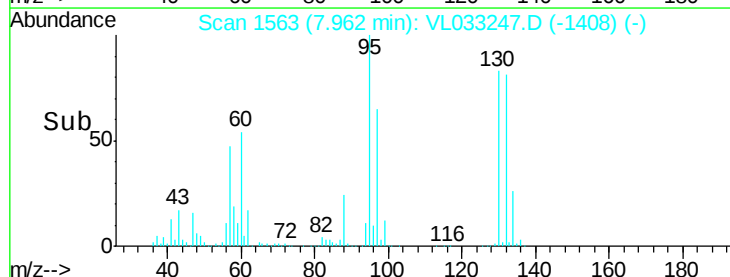
600000

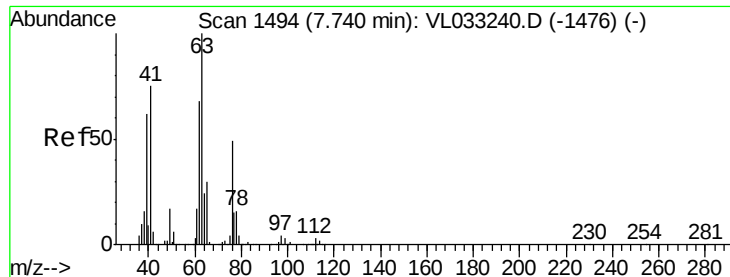
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.426 ppbv

RT: 7.74 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

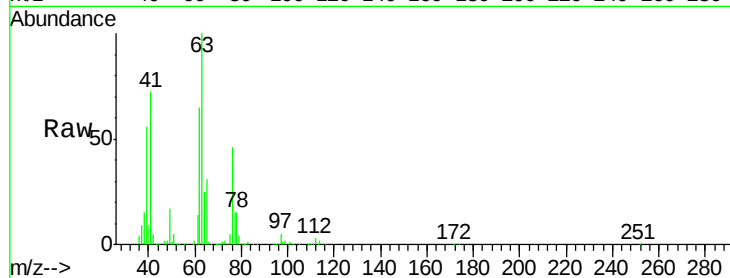
Tot Ion: 63 Resp: 828012

Ion Ratio Lower Upper

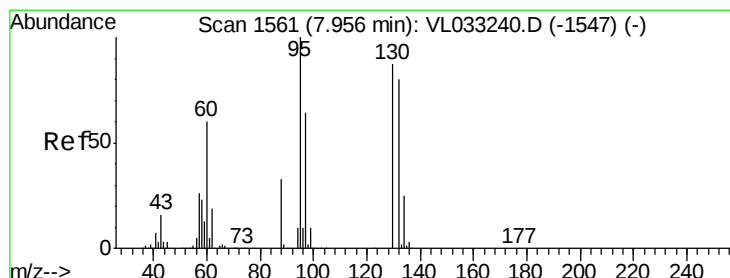
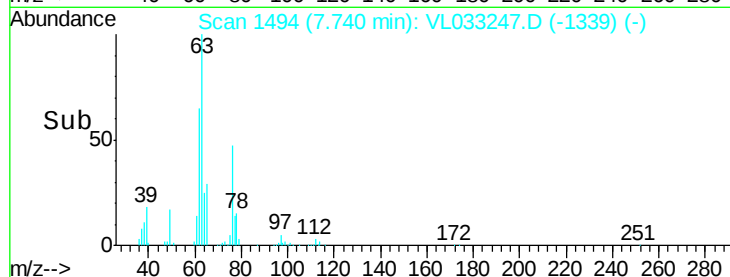
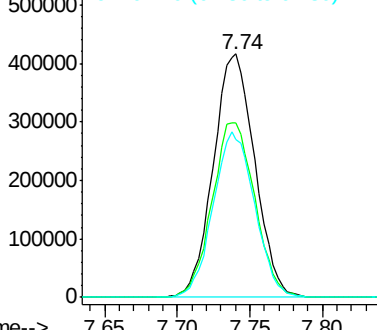
63 100

41 71.6 60.0 90.0

62 64.9 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: 8.664 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

Tgt Ion: 88 Resp: 282386

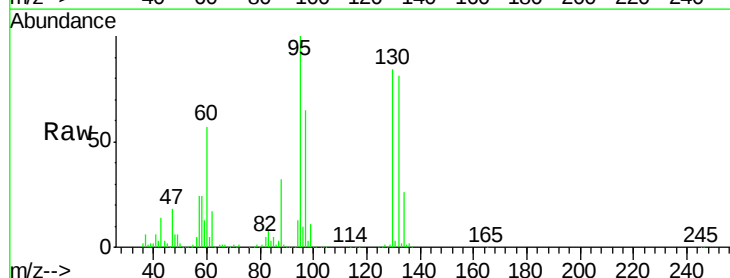
Ion Ratio Lower Upper

88 100

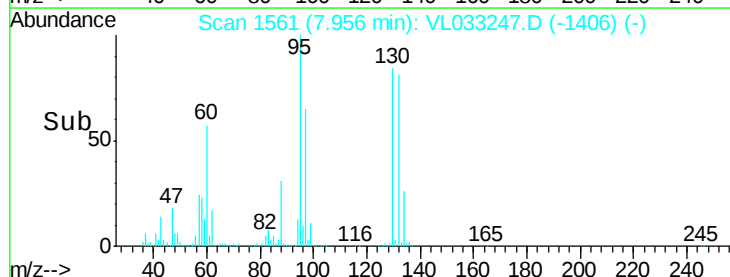
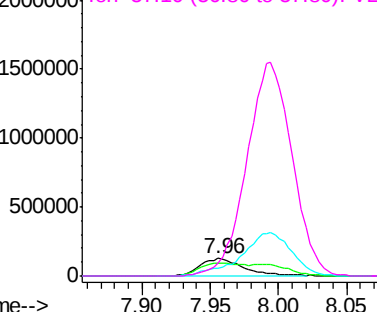
58 132.9 105.1 157.7

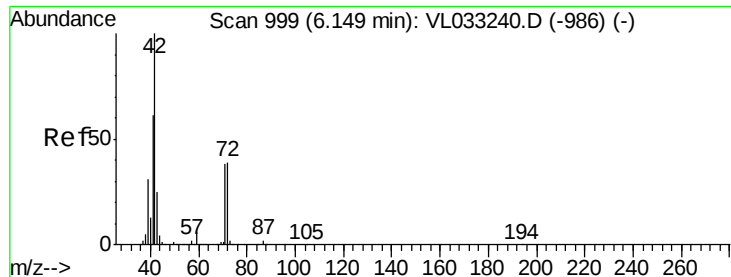
43 289.3 0.0 0.0#

57 1268.5 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: 9.990 ppbv

RT: 6.15 min Scan# 999

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

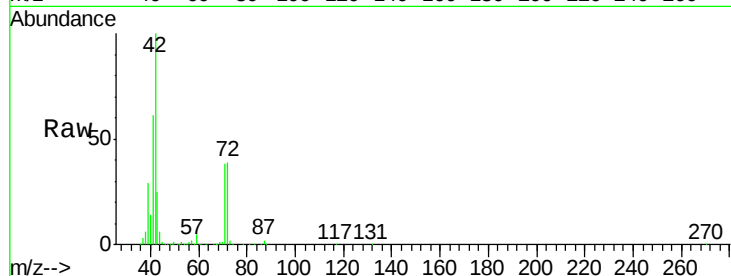
Tot Ion: 42 Resp: 911631

Ion Ratio Lower Upper

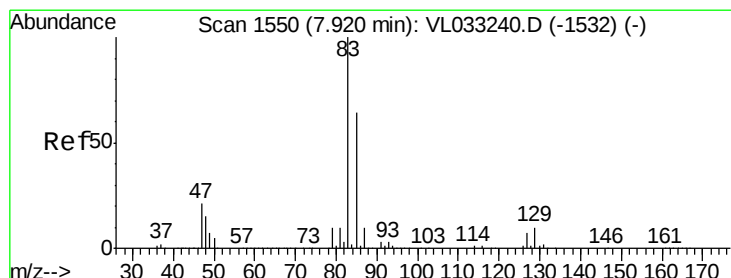
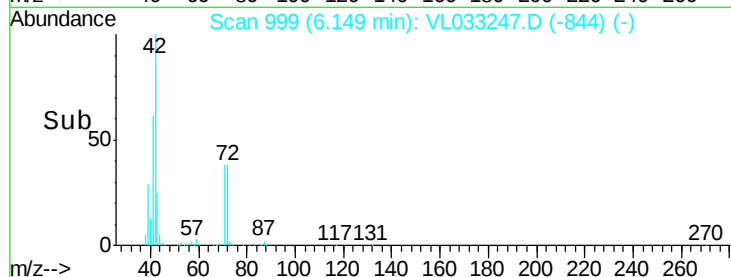
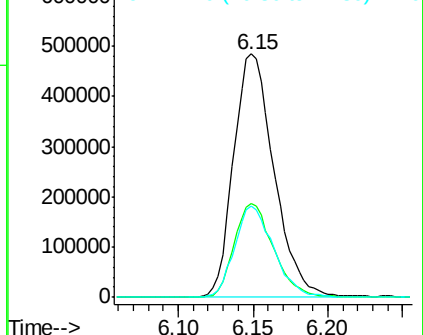
42 100

72 37.6 30.2 45.4

71 36.2 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: 9.243 ppbv

RT: 7.92 min Scan# 1550

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

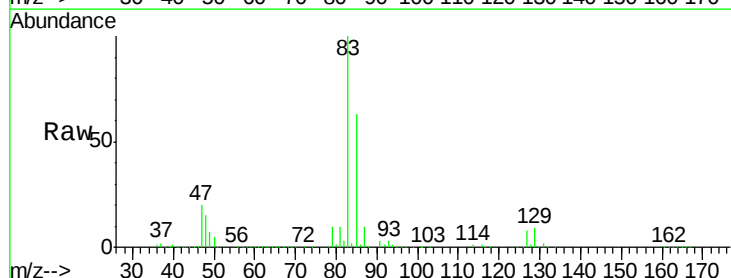
Tgt Ion: 83 Resp: 1830535

Ion Ratio Lower Upper

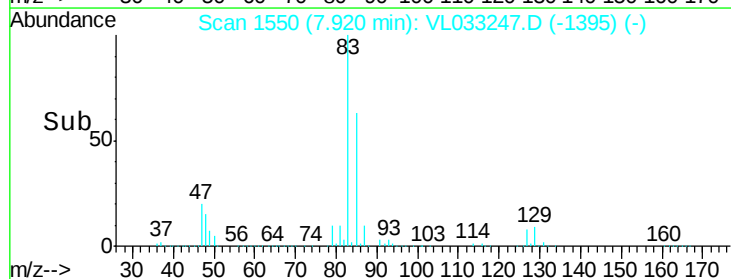
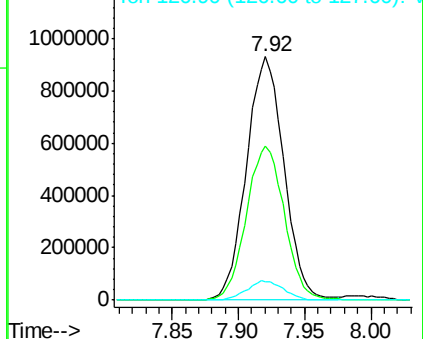
83 100

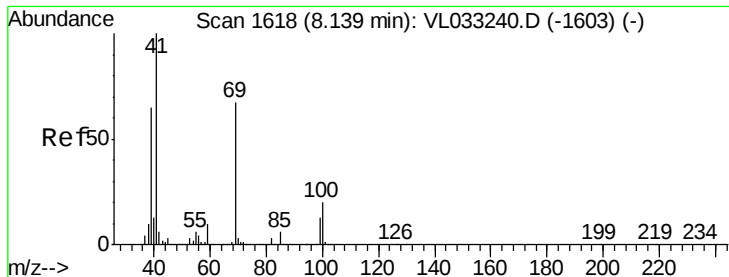
85 63.1 51.5 77.3

127 7.7 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: 9.701 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

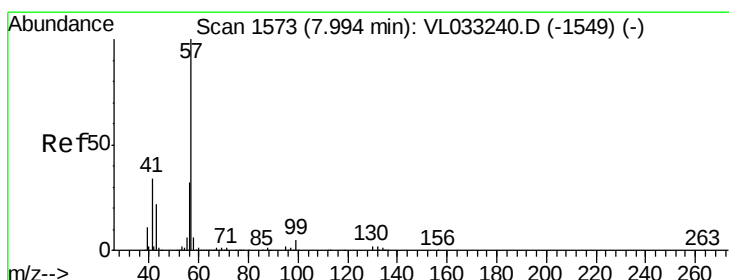
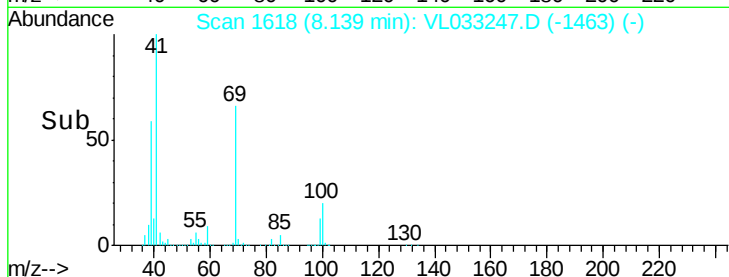
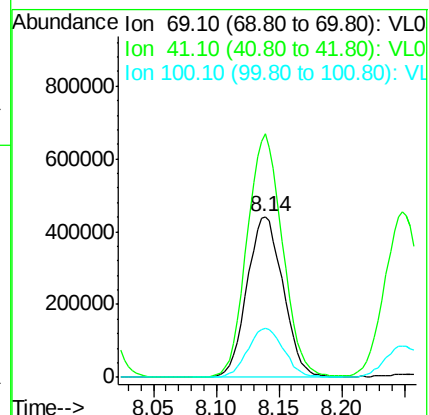
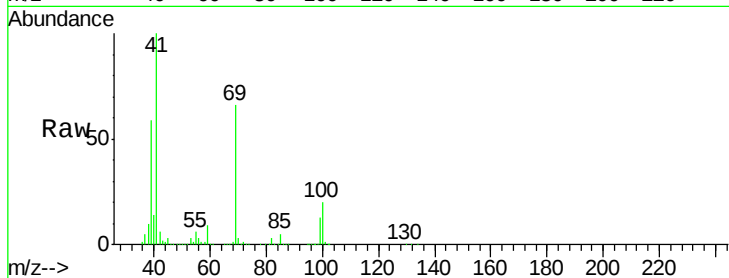
Tot Ion: 69 Resp: 882998

Ion Ratio Lower Upper

69 100

41 148.7 120.9 181.3

100 30.4 24.4 36.6



#44

2,2,4-Trimethylpentane

Concen: 8.992 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

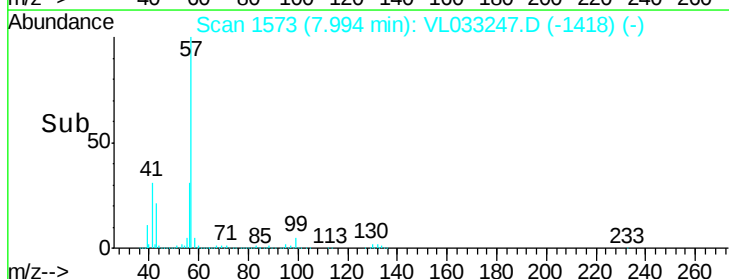
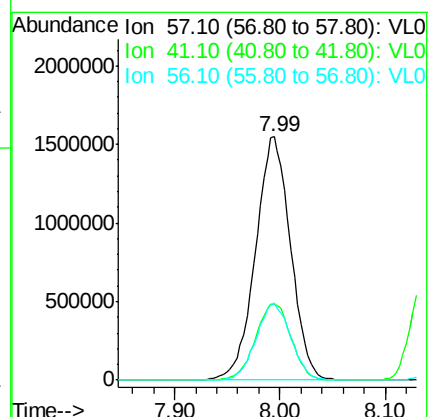
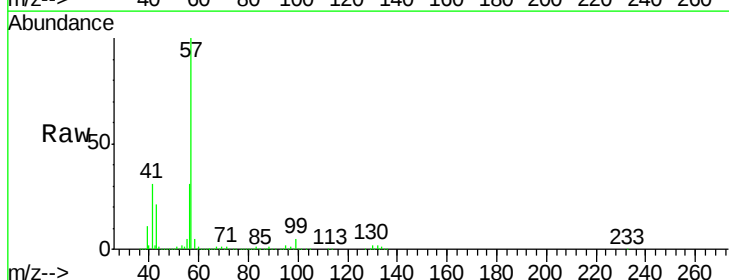
Tgt Ion: 57 Resp: 3577865

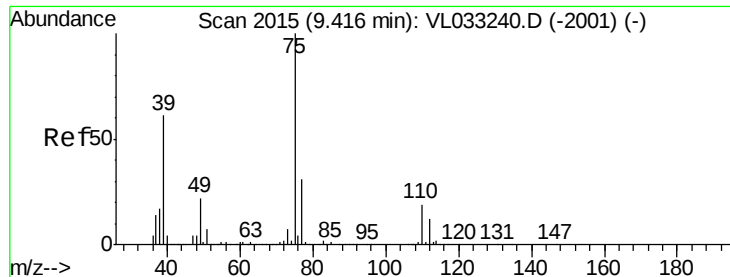
Ion Ratio Lower Upper

57 100

41 31.9 26.1 39.1

56 31.1 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 10.523 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VL033247.D

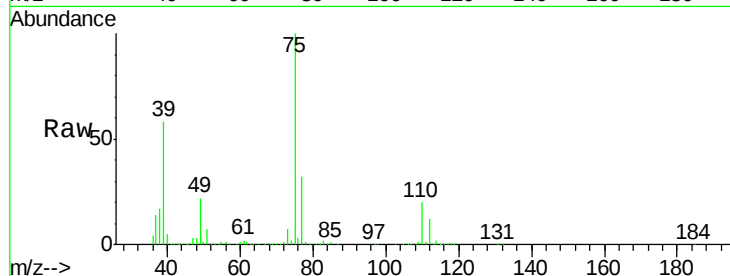
Acq: 6 Mar 2019 7:09

Tot Ion: 75 Resp: 1158987

Ion Ratio Lower Upper

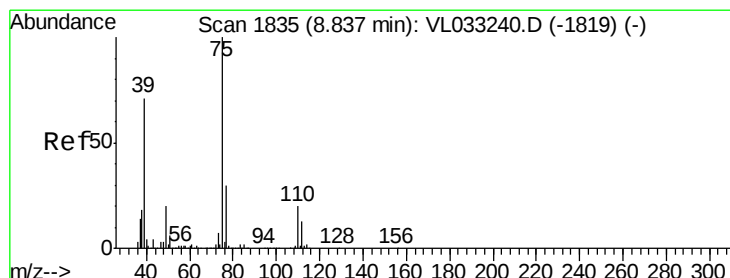
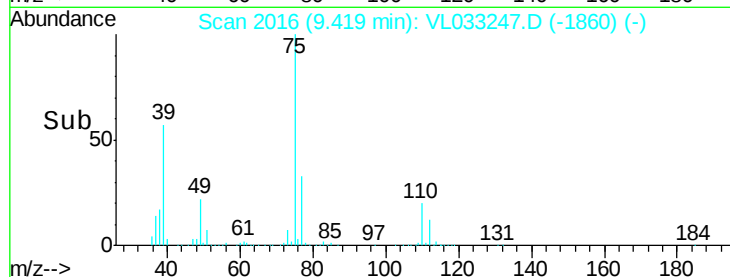
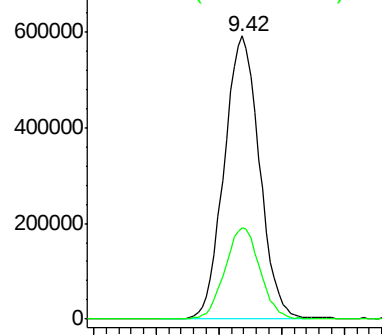
75 100

77 32.5 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: 10.183 ppbv

RT: 8.84 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

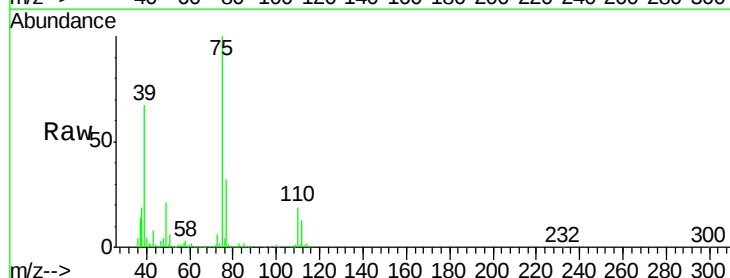
Tgt Ion: 75 Resp: 1337929

Ion Ratio Lower Upper

75 100

39 67.0 57.0 85.6

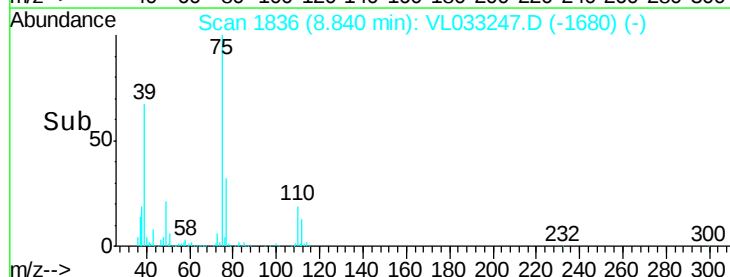
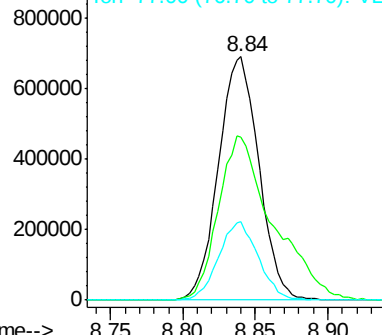
77 32.3 24.0 36.0

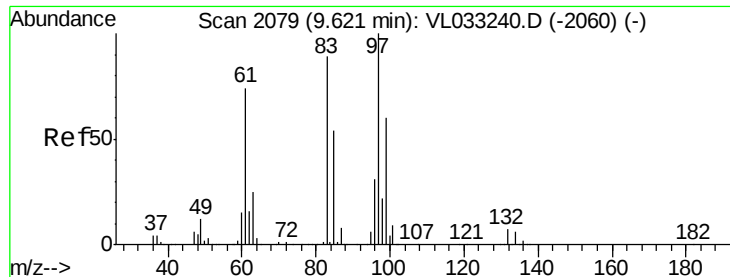


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

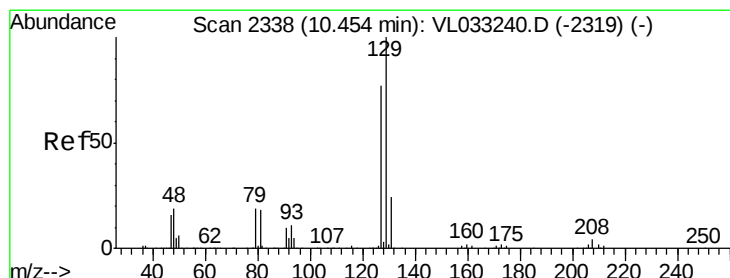
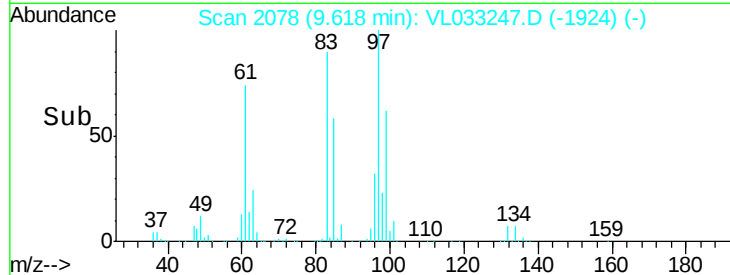
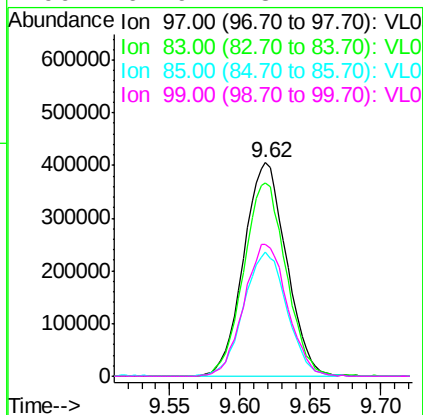
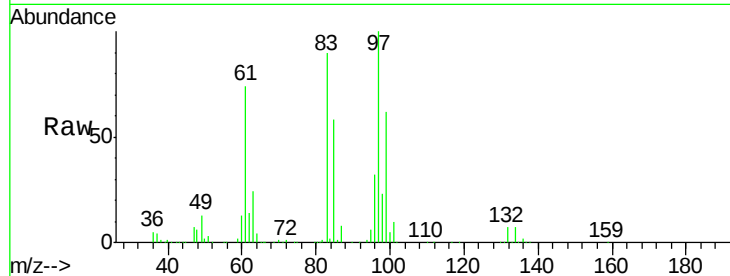




#47
 1,1,2-Trichloroethane
 Concen: 9.068 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

Tot Ion: 97 Resp: 857343

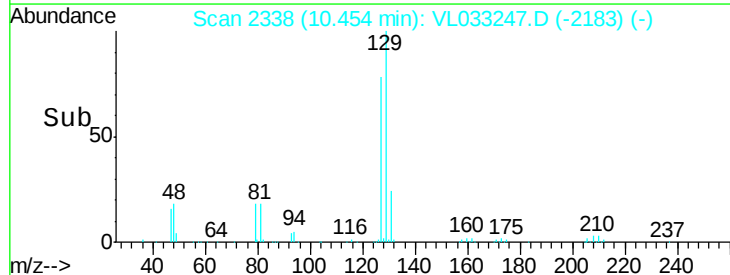
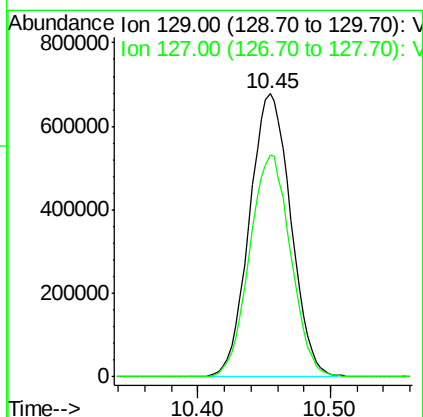
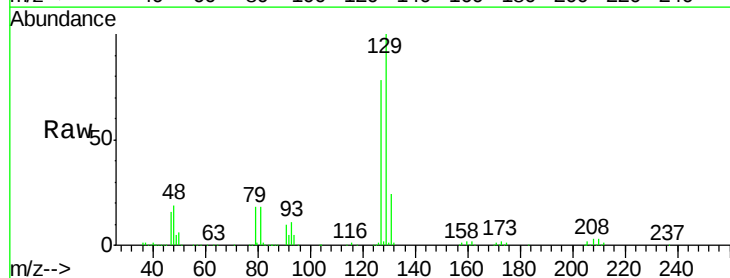
Ion	Ratio	Lower	Upper
97	100		
83	90.5	71.1	106.7
85	58.1	42.9	64.3
99	61.9	48.2	72.4

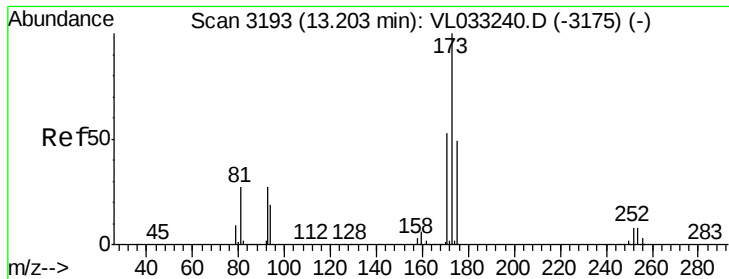


#48
 Dibromochloromethane
 Concen: 9.594 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

Tgt Ion: 129 Resp: 1469212

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.0	117.0





#49

Bromoform

Concen: 9.845 ppbv

RT: 13.21 min Scan# 3194

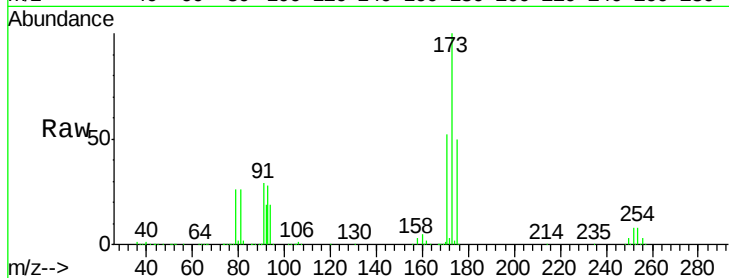
Delta R.T. 0.00 min

Lab File: VL033247.D

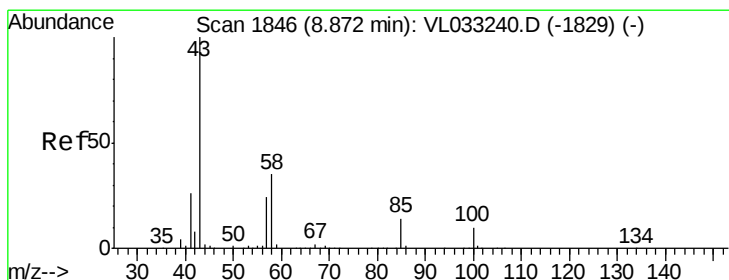
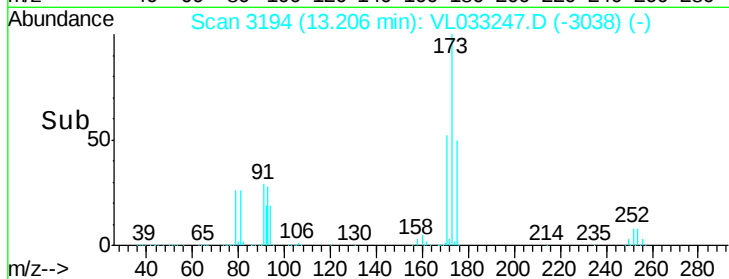
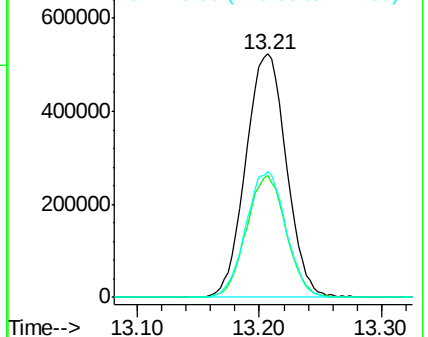
Acq: 6 Mar 2019 7:09

Tot Ion:173 Resp: 1203996

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.9	58.3
171	51.3	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: 9.080 ppbv

RT: 8.87 min Scan# 1845

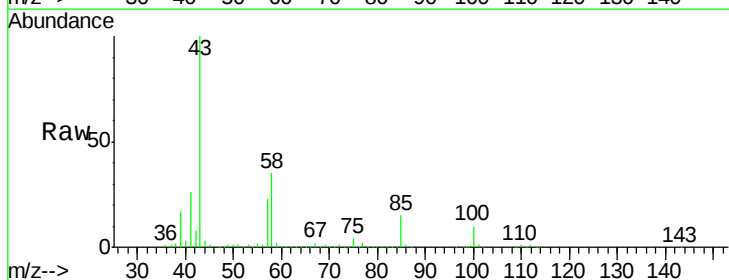
Delta R.T. -0.00 min

Lab File: VL033247.D

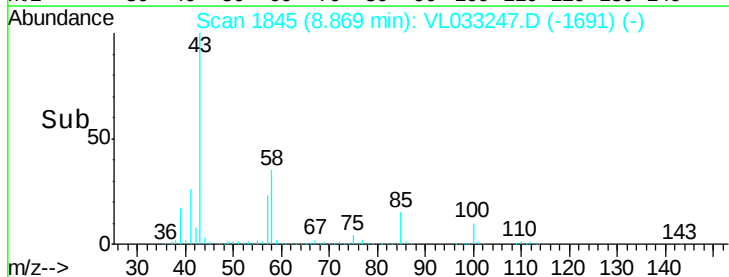
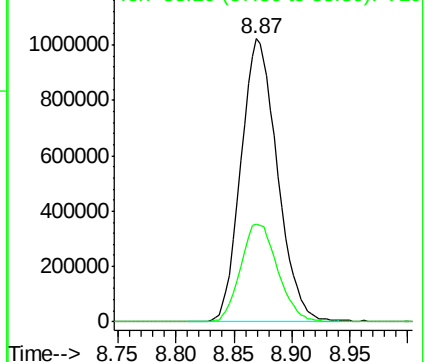
Acq: 6 Mar 2019 7:09

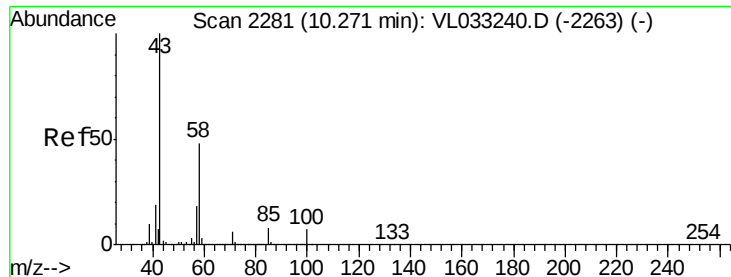
Tgt Ion: 43 Resp: 2230897

Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.8	41.6



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

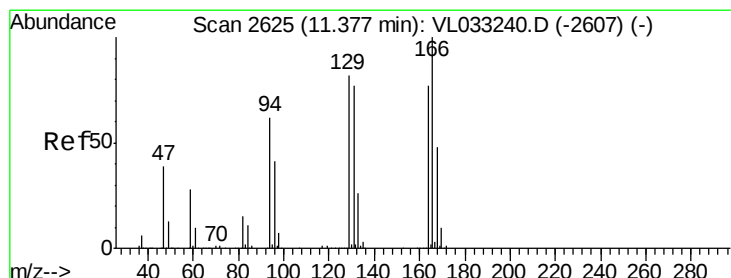
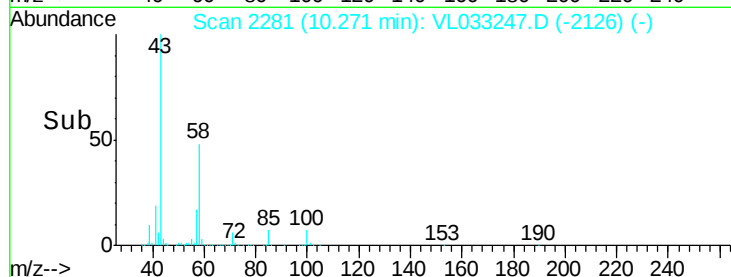
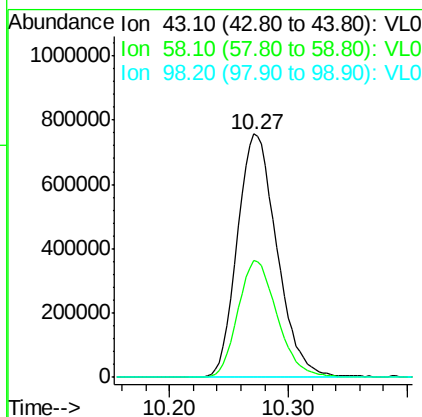
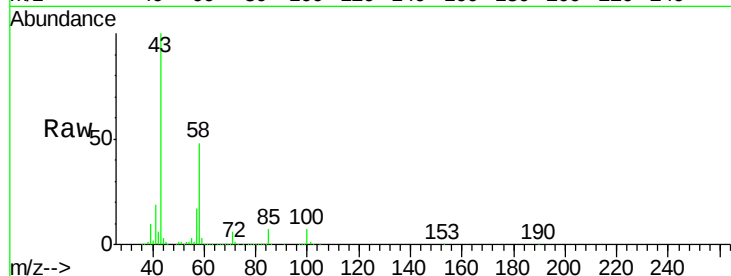




#51
2-Hexanone
Concen: 9.479 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033247.D
Acq: 6 Mar 2019 7:09

Tot Ion: 43 Resp: 1741937

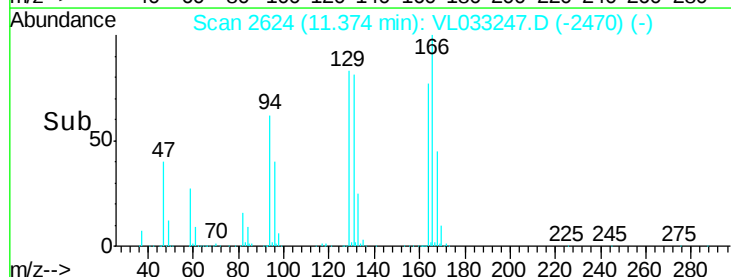
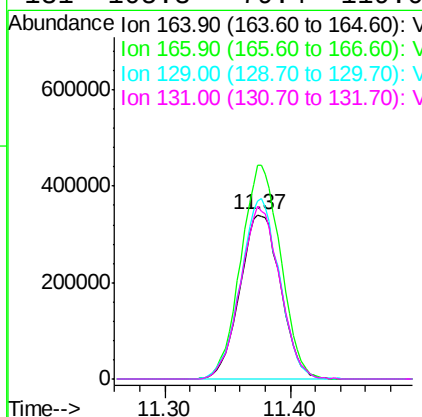
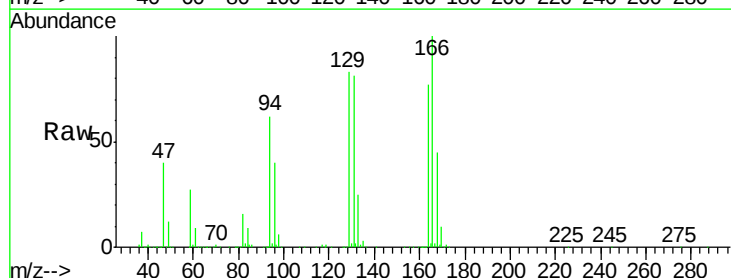
Ion	Ratio	Lower	Upper
43	100		
58	47.7	38.2	57.2
98	0.2	0.2	0.4#

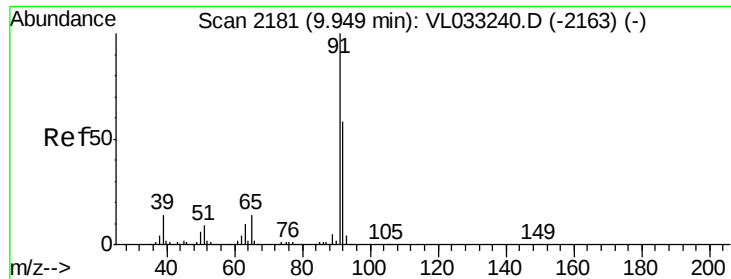


#52
Tetrachloroethene
Concen: 9.167 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033247.D
Acq: 6 Mar 2019 7:09

Tgt Ion: 164 Resp: 768673

Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.3	154.9
129	108.0	84.4	126.6
131	105.3	79.4	119.0





#53

Toluene

Concen: 9.595 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033247.D

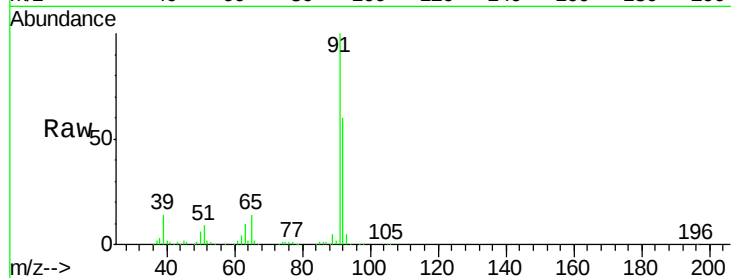
Acq: 6 Mar 2019 7:09

Tot Ion: 91 Resp: 2496022

Ion Ratio Lower Upper

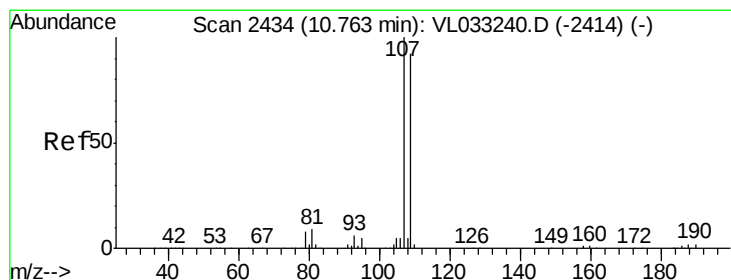
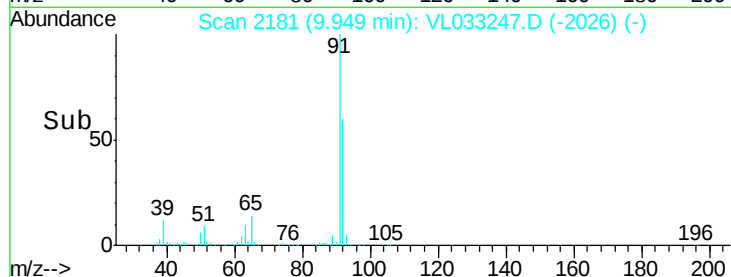
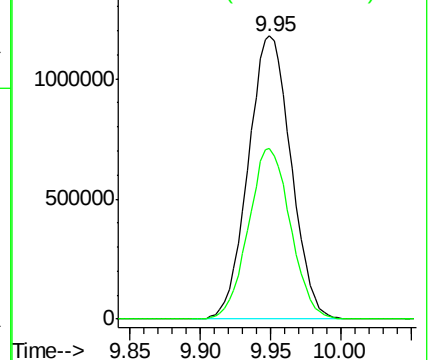
91 100

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



#54

1,2-Dibromoethane

Concen: 9.356 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033247.D

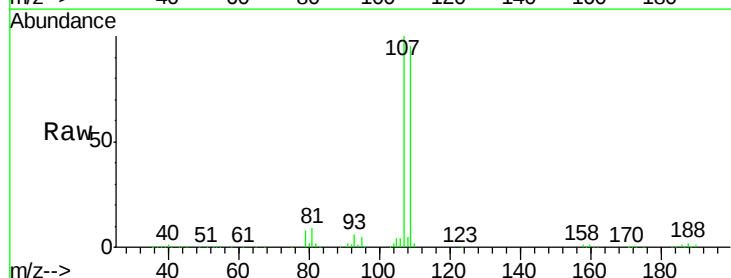
Acq: 6 Mar 2019 7:09

Tgt Ion: 107 Resp: 1343616

Ion Ratio Lower Upper

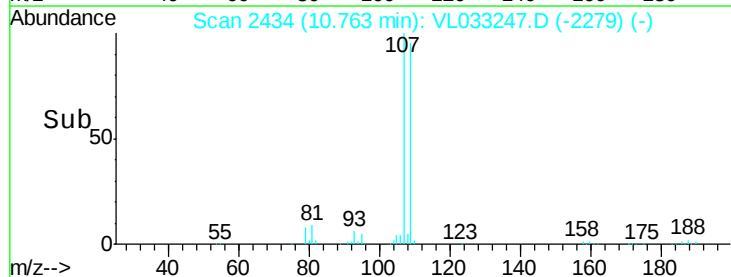
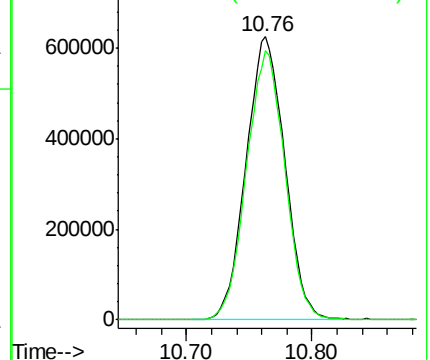
107 100

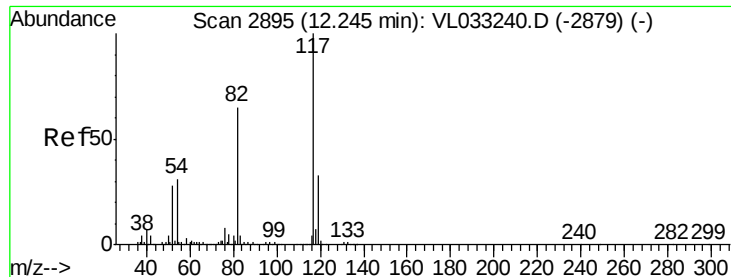
109 95.0 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.24 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

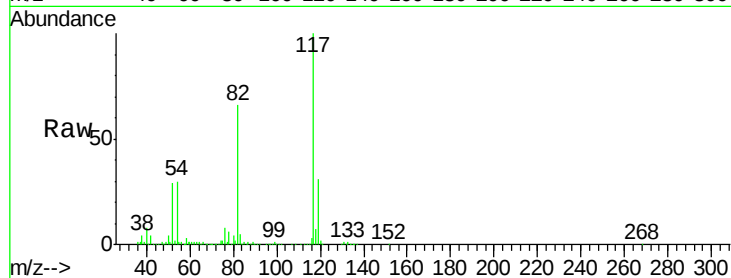
Tot Ion:117 Resp: 2505581

Ion Ratio Lower Upper

117 100

82 65.3 51.8 77.8

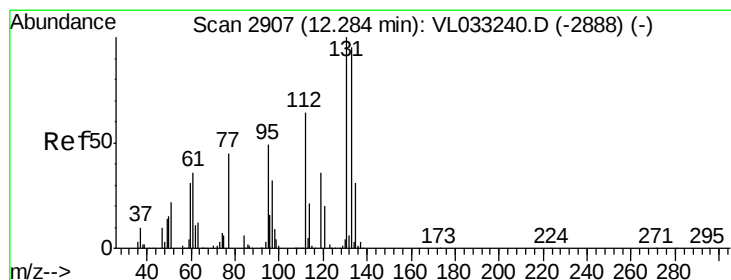
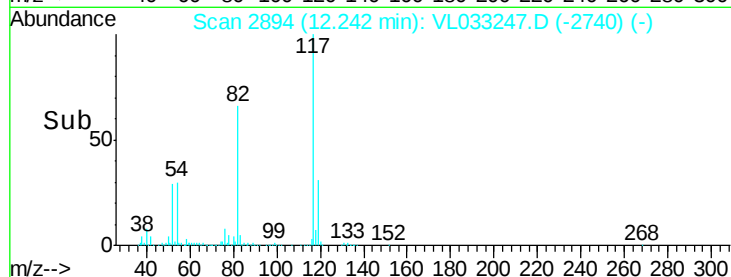
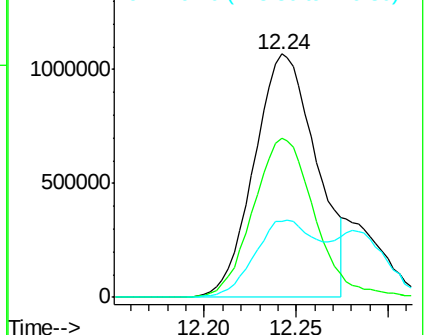
119 30.8 43.6 65.4#



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: 9.382 ppbv

RT: 12.28 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

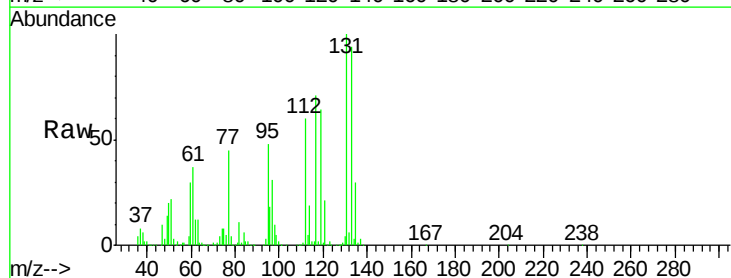
Tgt Ion:131 Resp: 1020470

Ion Ratio Lower Upper

131 100

133 95.0 76.2 114.2

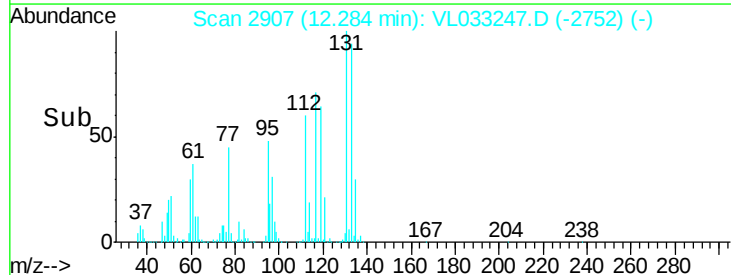
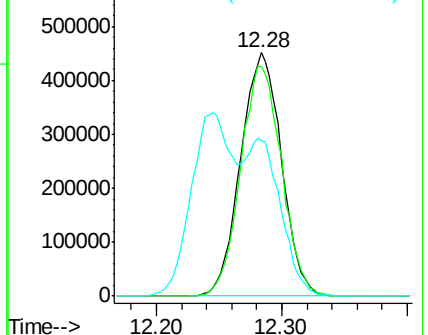
119 59.3 108.9 163.3#

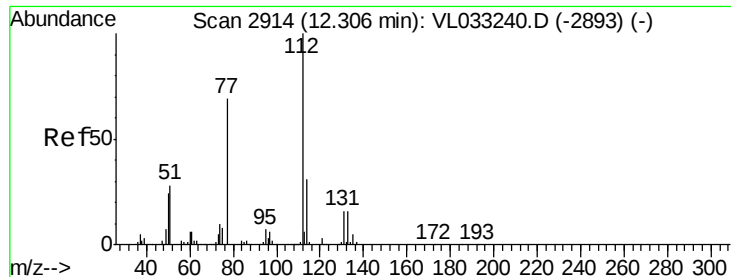


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.946 ppbv

RT: 12.31 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

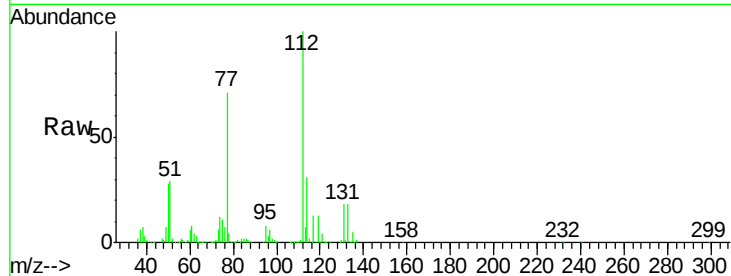
Tot Ion:112 Resp: 1745239

Ion	Ratio	Lower	Upper
112	100		
77	70.0	56.5	84.7
114	31.1	28.4	34.7

112 100

77 70.0 56.5 84.7

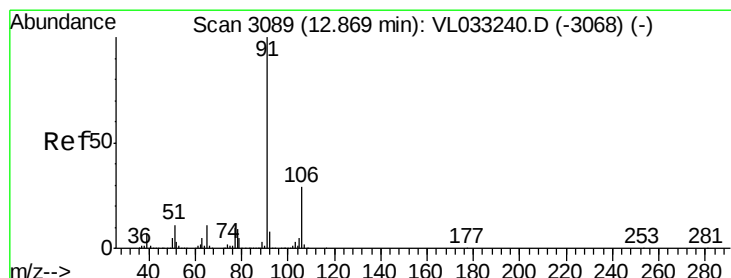
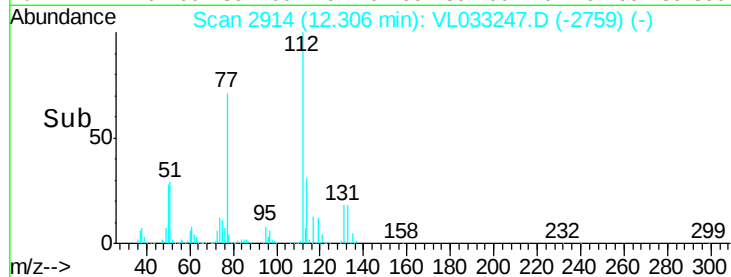
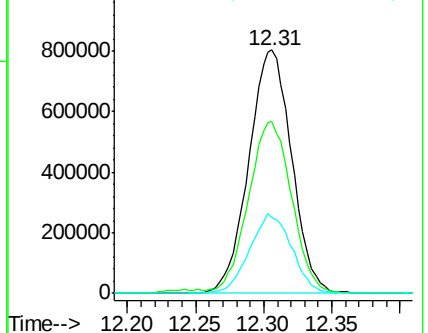
114 31.1 28.4 34.7



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: 9.701 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.00 min

Lab File: VL033247.D

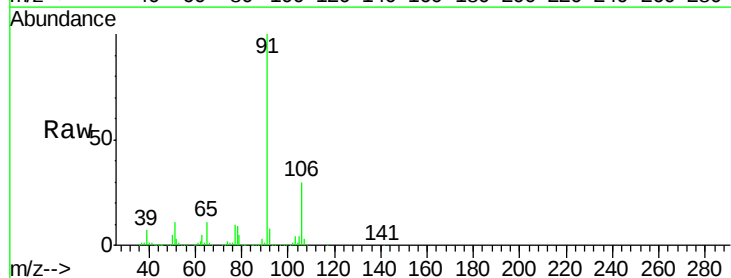
Acq: 6 Mar 2019 7:09

Tgt Ion: 91 Resp: 3362169

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.5	35.3

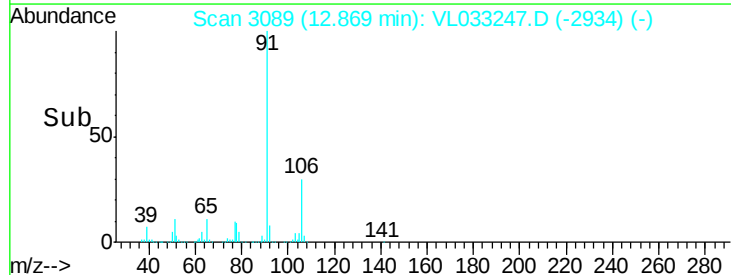
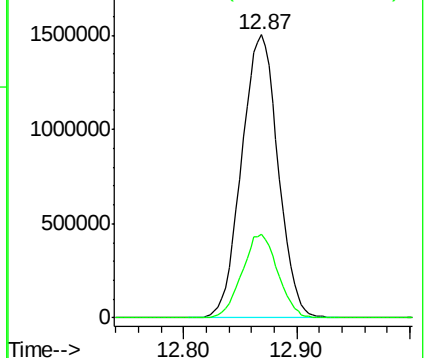
91 100

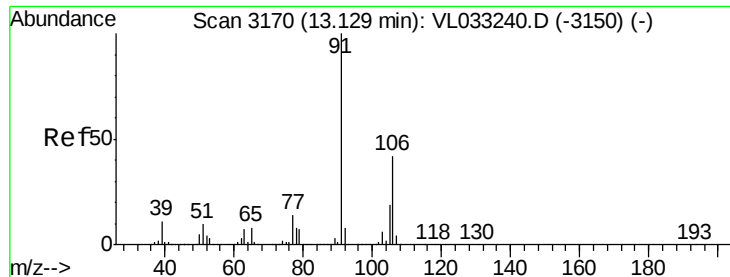
106 29.5 23.5 35.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

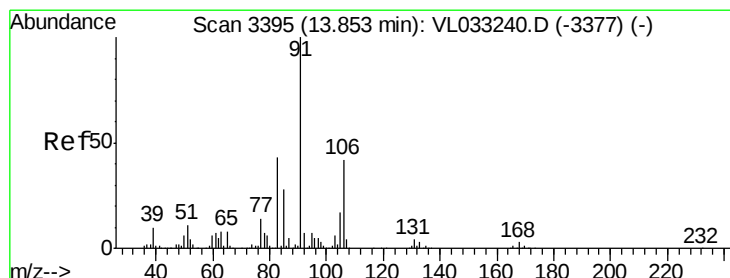
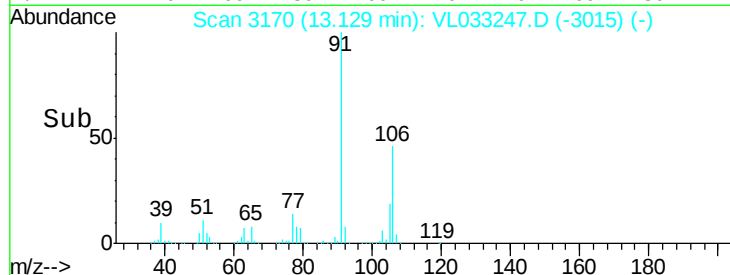
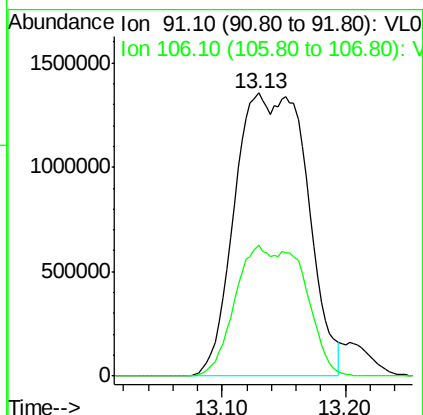
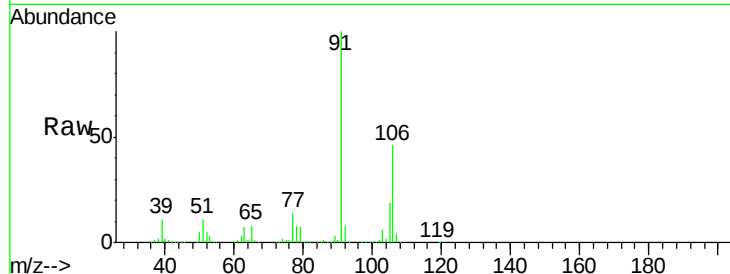
Ion 106.10 (105.80 to 106.80): V





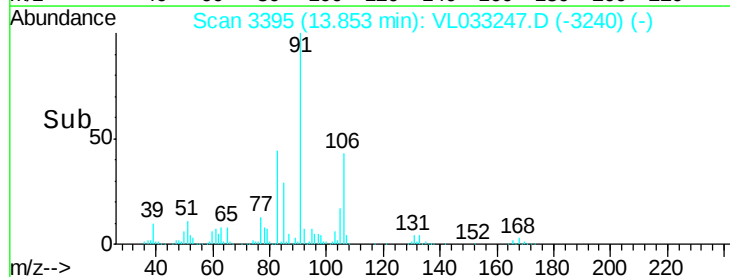
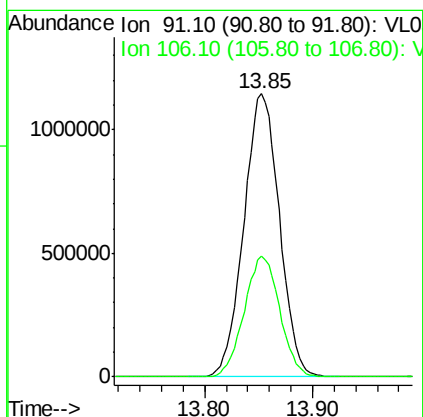
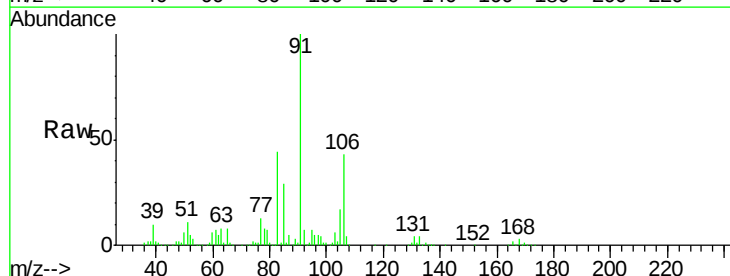
#59
m/p-Xylene
Concen: 18.591 ppbv m
RT: 13.13 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VL033247.D
Acq: 6 Mar 2019 7:09

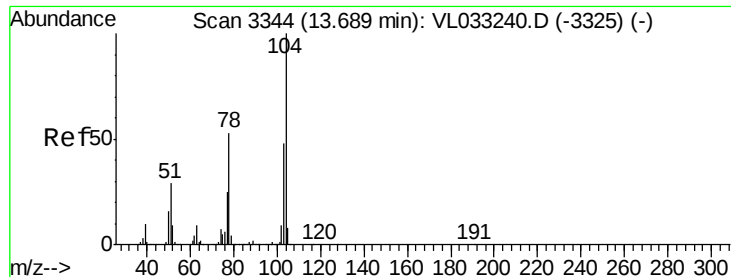
Tot Ion: 91 Resp: 5490379
Ion Ratio Lower Upper
91 100
106 44.3 35.6 53.4



#60
o-Xylene
Concen: 9.318 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033247.D
Acq: 6 Mar 2019 7:09

Tgt Ion: 91 Resp: 2623905
Ion Ratio Lower Upper
91 100
106 42.8 21.4 64.3





#61

Stvrene

Concen: 9.990 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

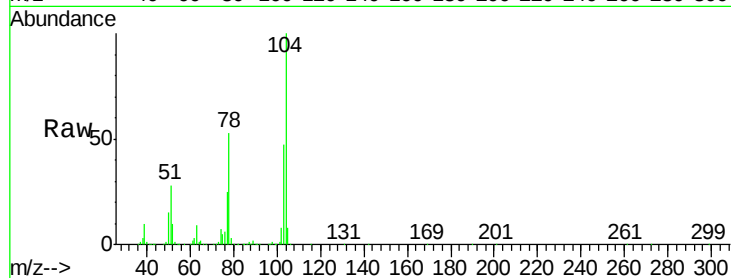
Tot Ion:104 Resp: 1978316

Ion Ratio Lower Upper

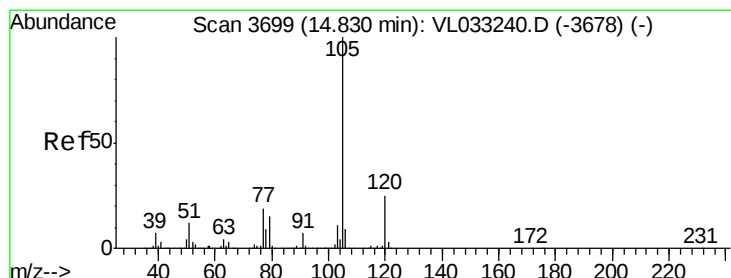
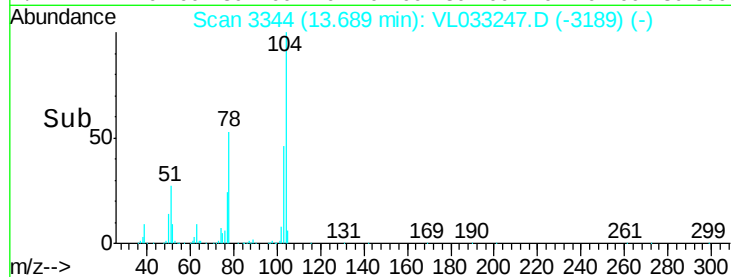
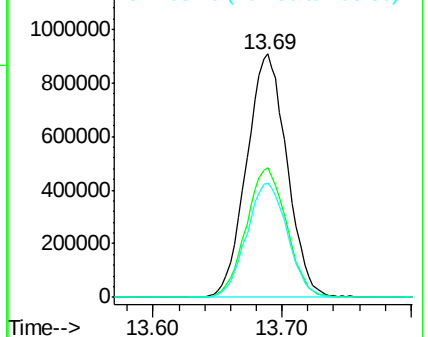
104 100

78 53.4 43.7 65.5

103 47.7 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): V
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.328 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. -0.00 min

Lab File: VL033247.D

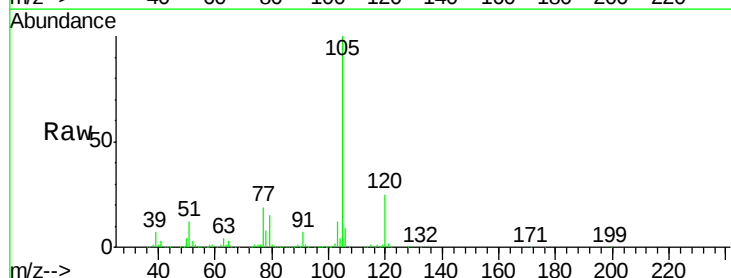
Acq: 6 Mar 2019 7:09

Tgt Ion:105 Resp: 3662111

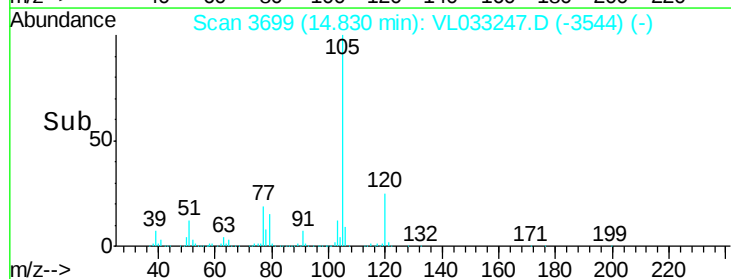
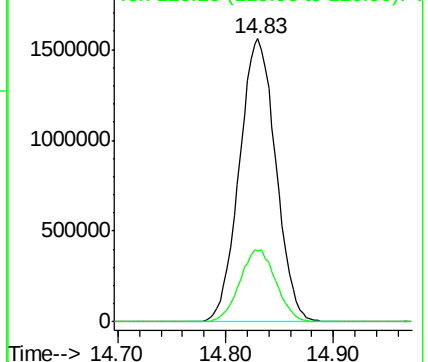
Ion Ratio Lower Upper

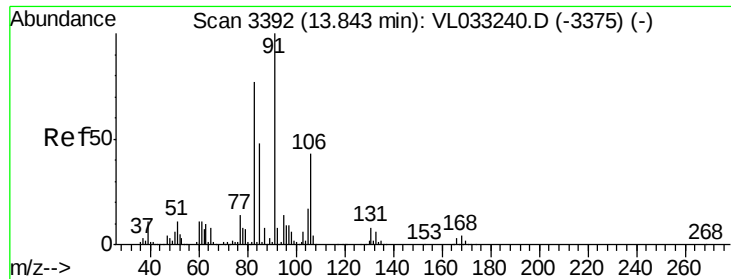
105 100

120 25.4 20.1 30.1



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

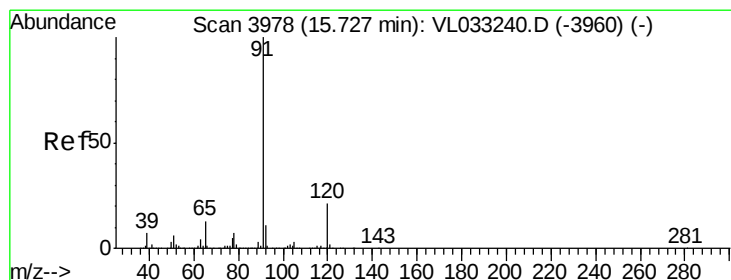
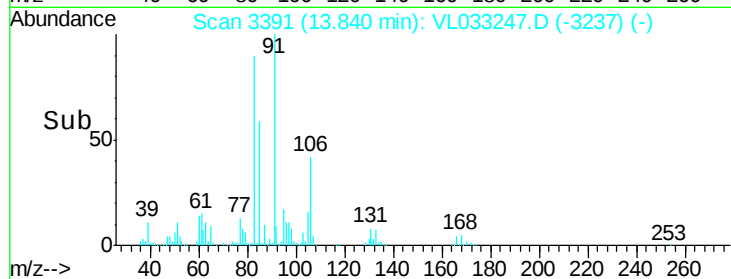
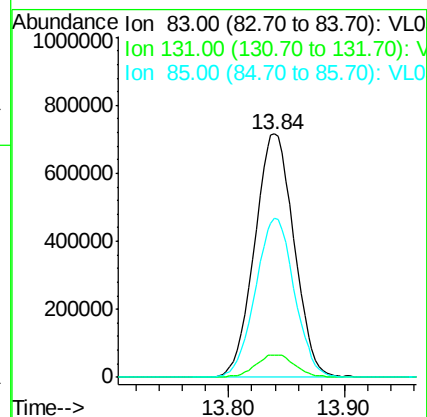
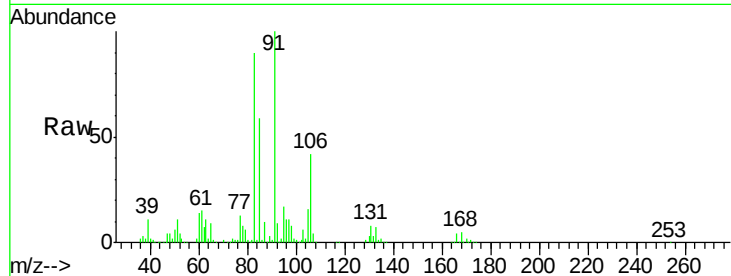




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.438 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

Tot Ion: 83 Resp: 1690727

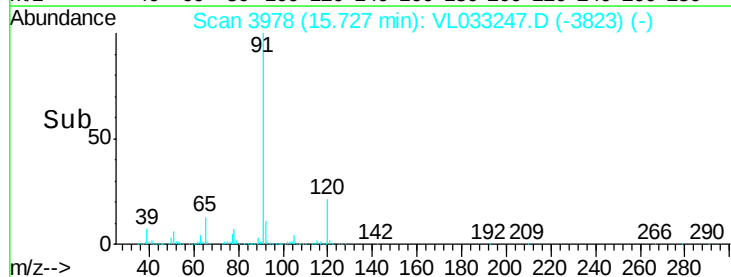
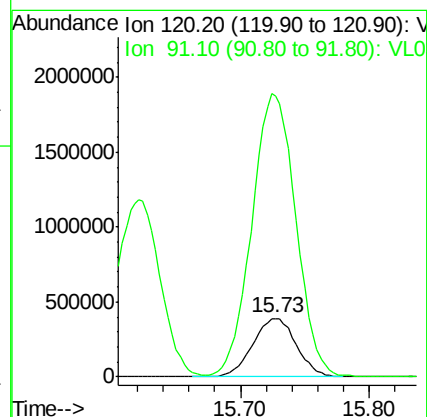
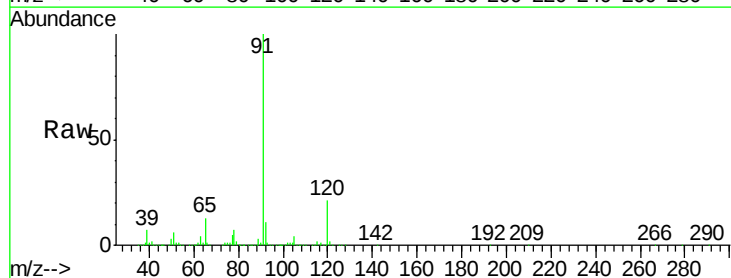
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.0
85	64.9	32.6	97.8

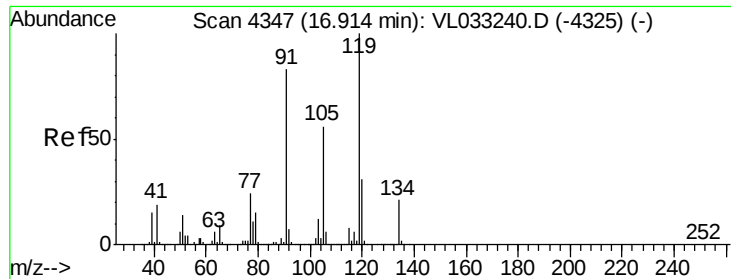


#64
 n-propylbenzene
 Concen: 9.451 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. -0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

Tgt Ion:120 Resp: 919771

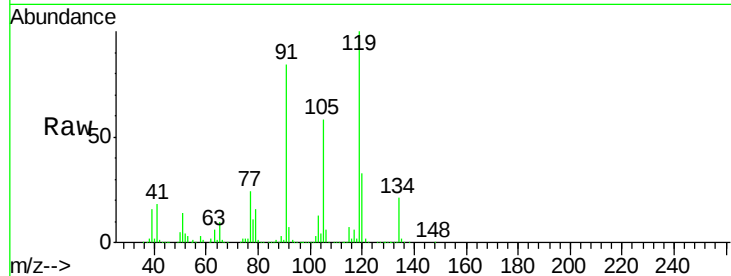
Ion	Ratio	Lower	Upper
120	100		
91	488.3	392.2	588.4



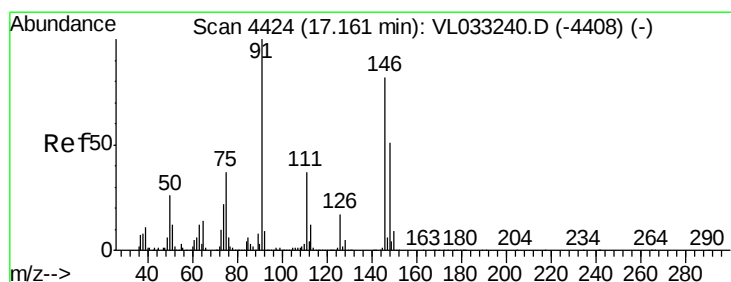
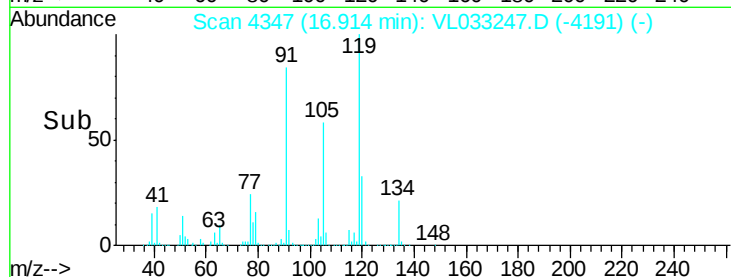
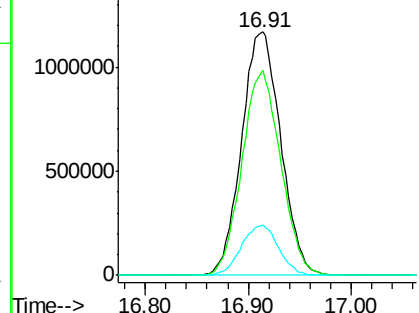


#65
 tert-Butylbenzene
 Concen: 9.194 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. -0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

Tot Ion: 119 Resp: 3081529
 Ion Ratio Lower Upper
 119 100
 91 83.5 67.0 100.4
 134 19.6 15.4 23.2

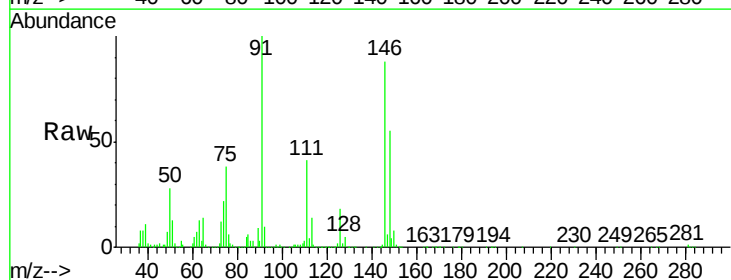


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): V
 Ion 134.20 (133.90 to 134.90): V

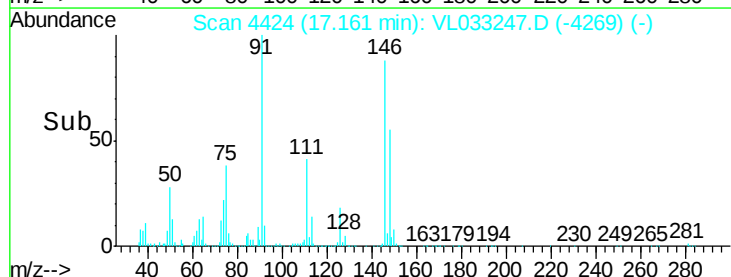
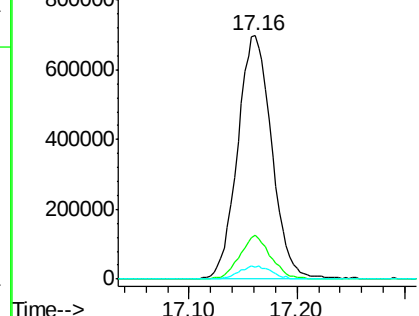


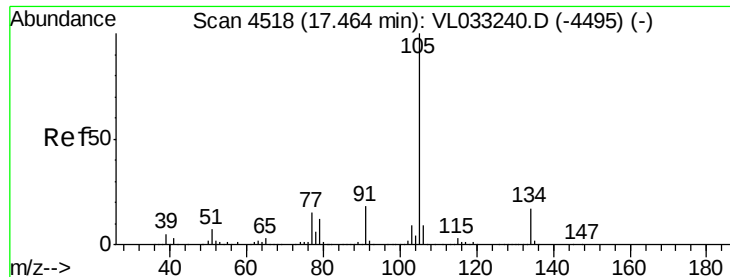
#66
 Benzyl Chloride
 Concen: 11.837 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

Tgt Ion: 91 Resp: 1534543
 Ion Ratio Lower Upper
 91 100
 126 16.5 13.4 20.0
 128 5.2 4.2 6.2



Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.307 ppbv

RT: 17.46 min Scan# 4518

Delta R.T. -0.00 min

Lab File: VL033247.D

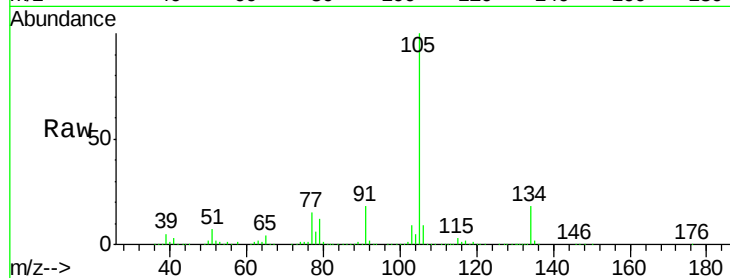
Acq: 6 Mar 2019 7:09

Tot Ion: 105 Resp: 4447345

Ion Ratio Lower Upper

105 100

134 17.6 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.46

1500000

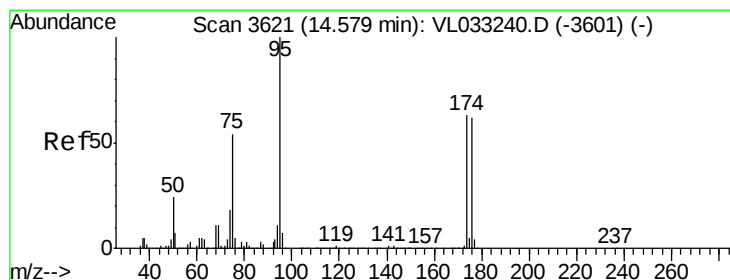
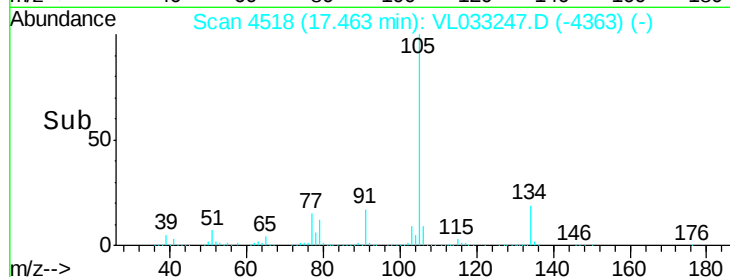
1000000

500000

0

Time-->

17.40 17.50



#68

1-Bromo-4-Fluorobenzene

Concen: 9.749 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

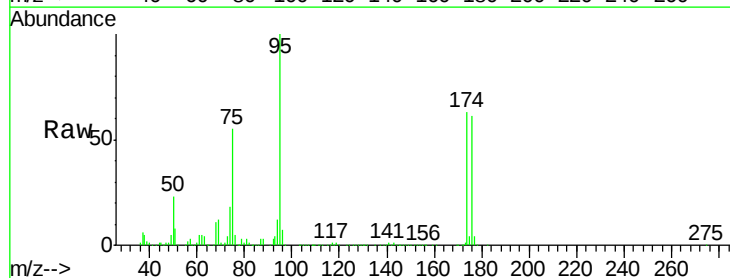
Tgt Ion: 95 Resp: 1853465

Ion Ratio Lower Upper

95 100

174 64.0 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

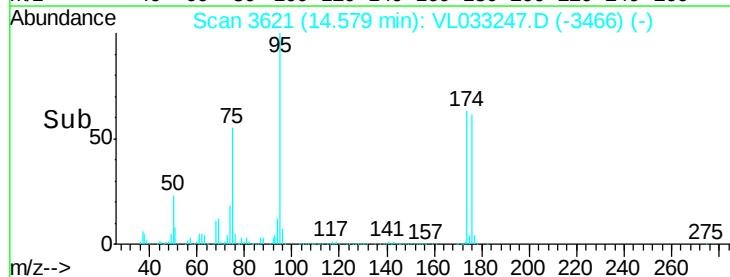
400000

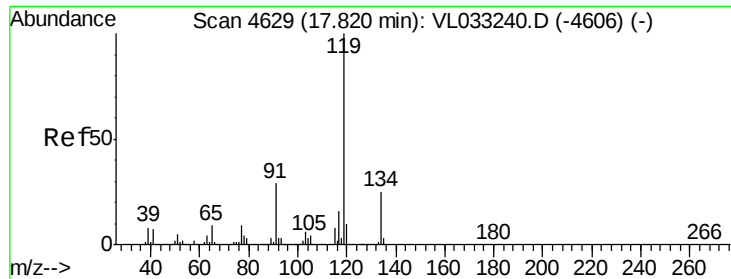
200000

0

Time-->

14.50 14.60

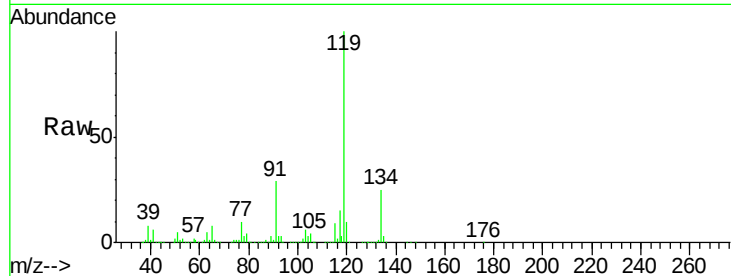




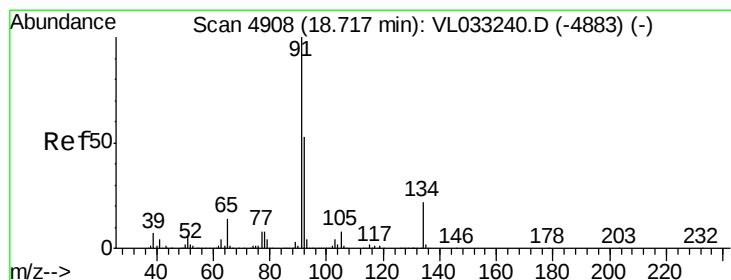
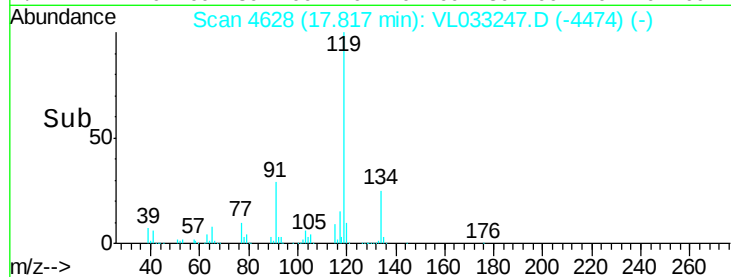
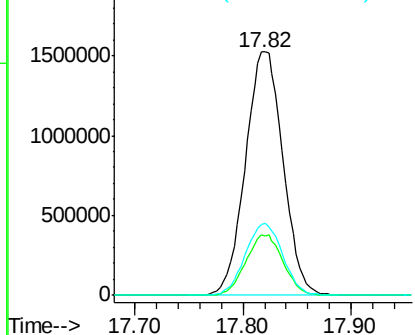
#69
 p-Isopropyltoluene
 Concen: 9.550 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

Tot Ion: 119 Resp: 3690035

Ion	Ratio	Lower	Upper
119	100		
134	24.8	19.9	29.9
91	29.5	23.9	35.9



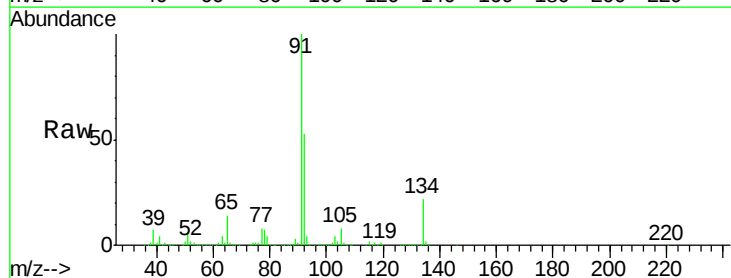
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



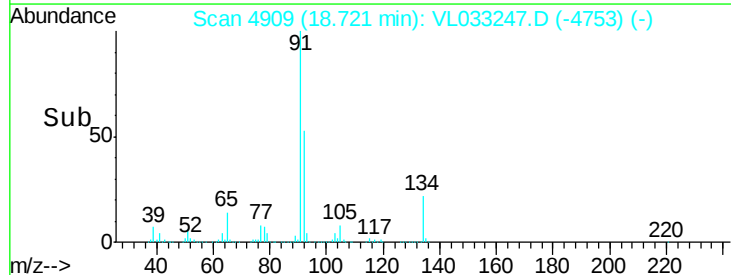
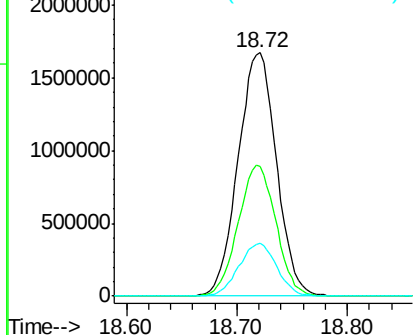
#70
 n-Butylbenzene
 Concen: 9.482 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. 0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

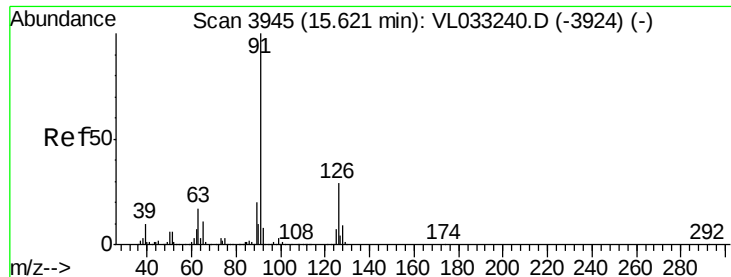
Tgt Ion: 91 Resp: 4013120

Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.4	63.6
134	21.7	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: 9.275 ppbv

RT: 15.62 min Scan# 3945

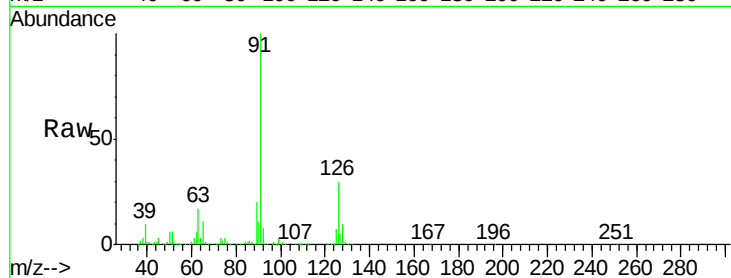
Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

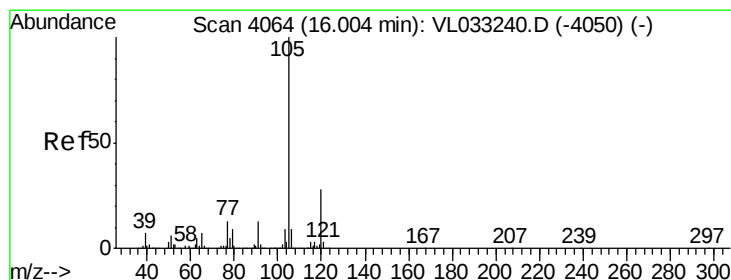
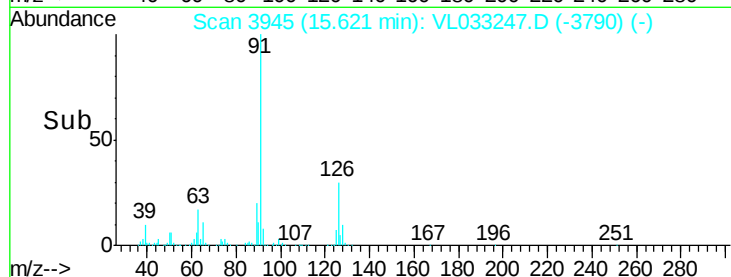
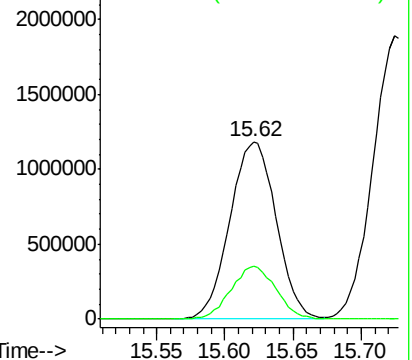
Tot Ion: 91 Resp: 2783932

Ion	Ratio	Lower	Upper
91	100		
126	29.1	11.6	46.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.677 ppbv

RT: 16.00 min Scan# 4063

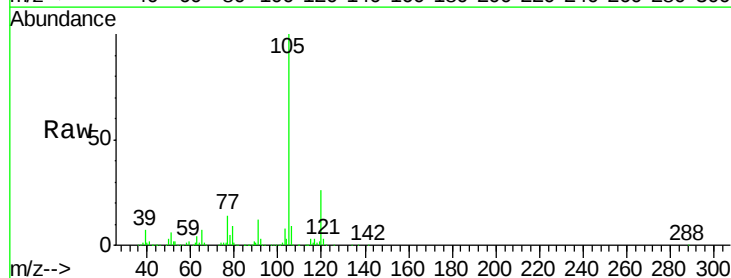
Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

Tgt Ion: 105 Resp: 2977793

Ion	Ratio	Lower	Upper
105	100		
120	28.3	22.3	33.5
91	12.7	10.3	15.5
77	14.0	11.3	16.9

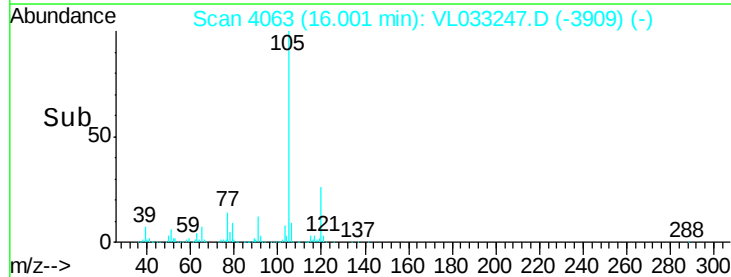
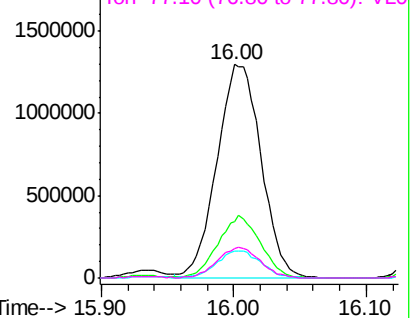


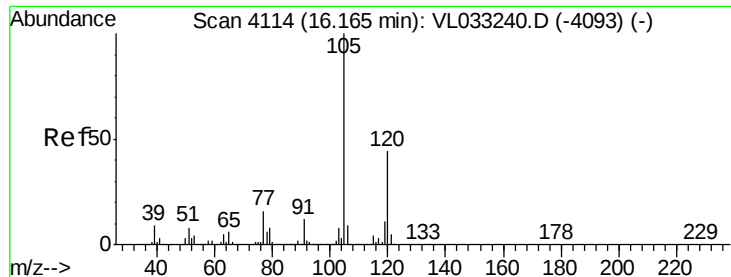
Abundance Ion 105.10 (104.80 to 105.80): V

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

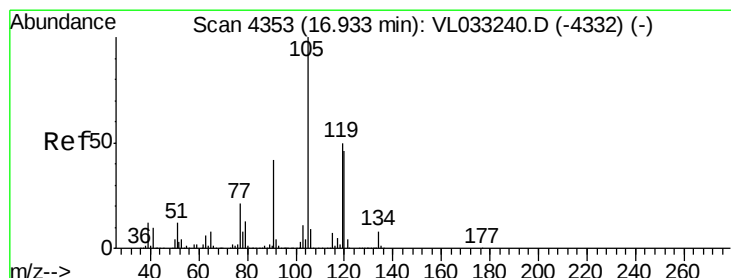
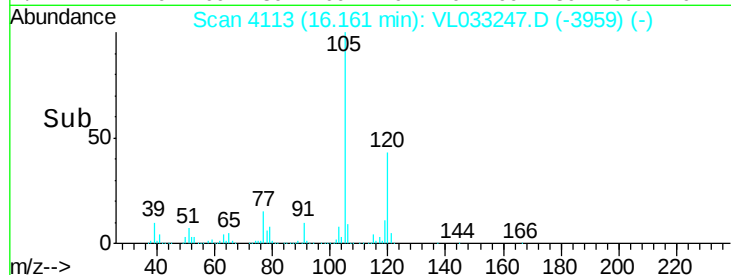
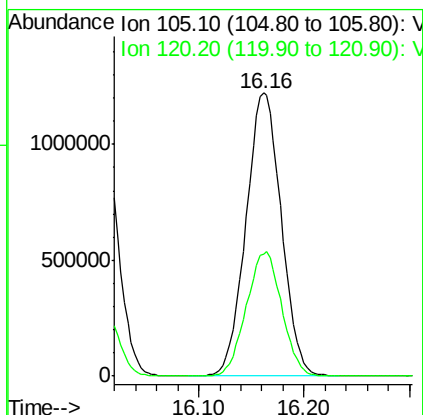
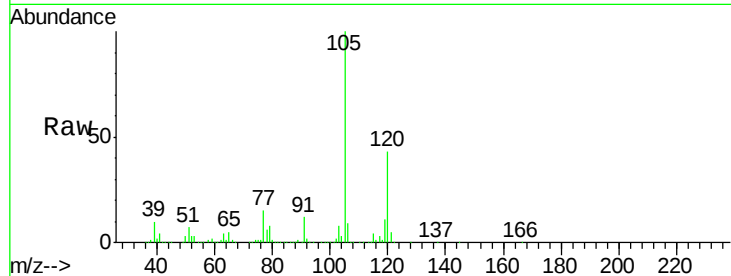




#73

1,3,5-Trimethylbenzene
Concen: 9.616 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033247.D
Acq: 6 Mar 2019 7:09

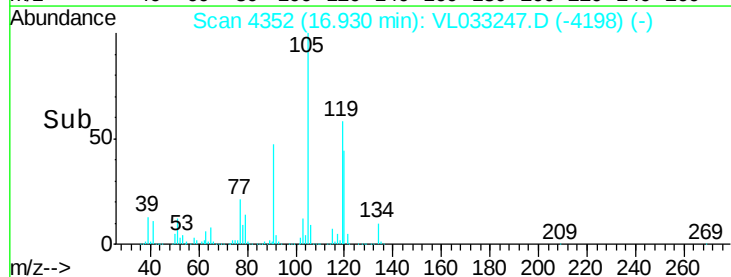
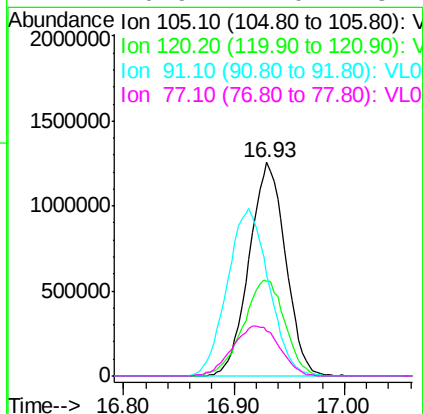
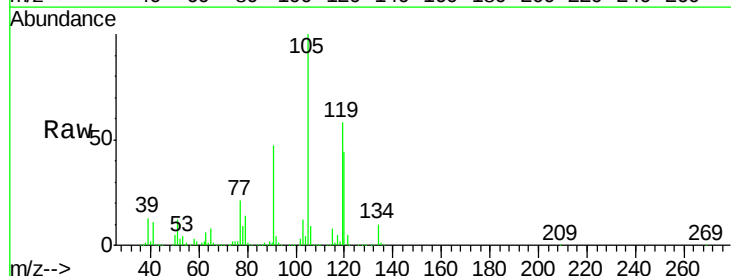
Tot Ion:105 Resp: 2840369
Ion Ratio Lower Upper
105 100
120 43.0 35.0 52.6

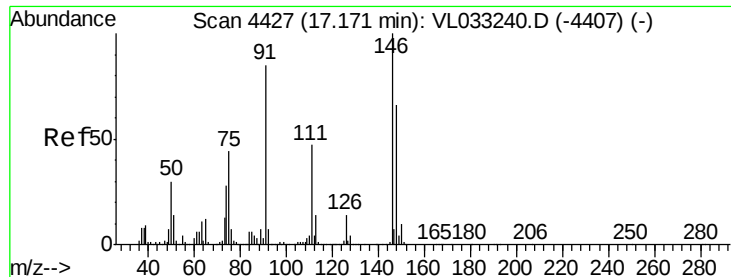


#74

1,2,4-Trimethylbenzene
Concen: 9.248 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL033247.D
Acq: 6 Mar 2019 7:09

Tgt Ion:105 Resp: 2871159
Ion Ratio Lower Upper
105 100
120 44.3 36.5 54.7
91 47.0 34.4 51.6
77 20.9 17.0 25.4





#75

1,3-Dichlorobenzene

Concen: 9.172 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

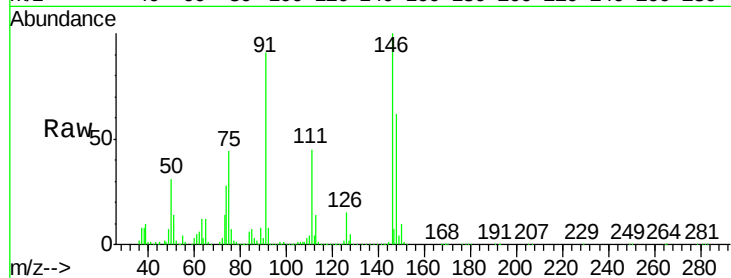
Tot Ion:146 Resp: 1665499

Ion Ratio Lower Upper

146 100

111 45.5 23.4 70.0

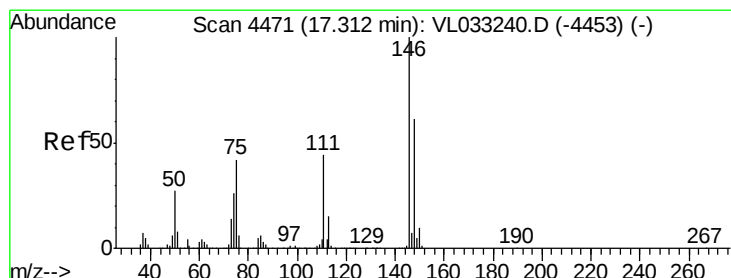
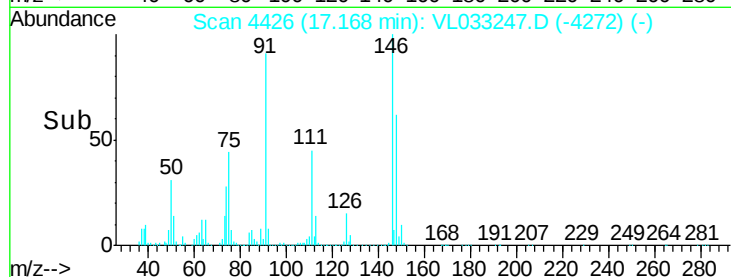
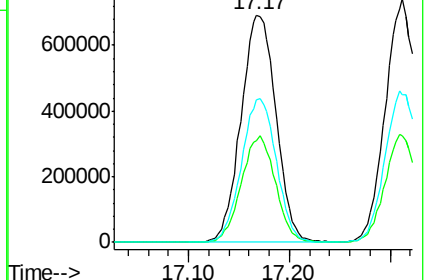
148 62.9 32.1 96.3



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: 9.259 ppbv

RT: 17.31 min Scan# 4471

Delta R.T. -0.00 min

Lab File: VL033247.D

Acq: 6 Mar 2019 7:09

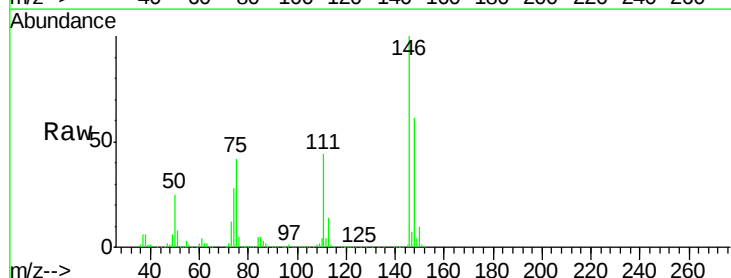
Tgt Ion:146 Resp: 1666325

Ion Ratio Lower Upper

146 100

111 44.8 22.4 67.3

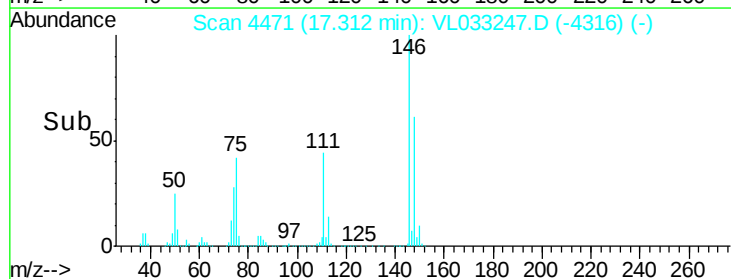
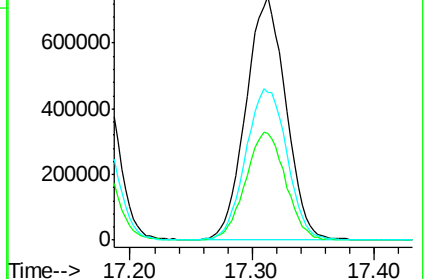
148 64.8 32.1 96.3

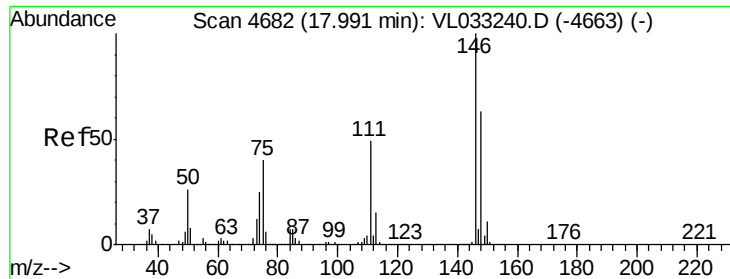


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

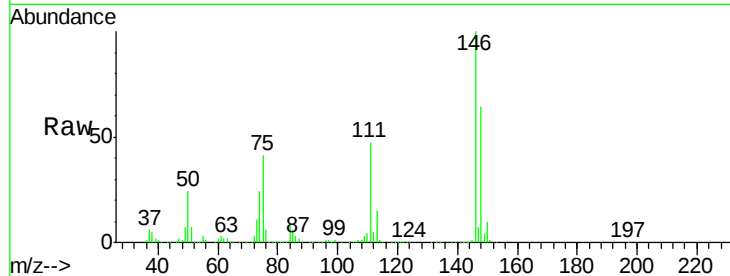
Ion 148.00 (147.70 to 148.70): V



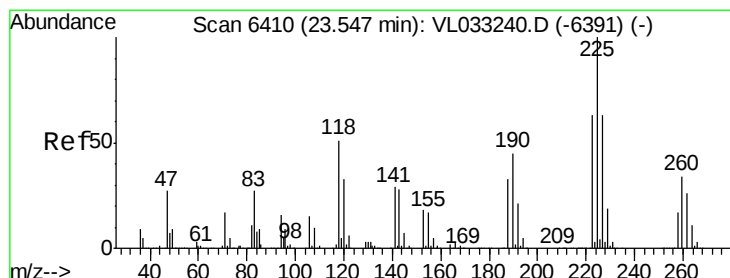
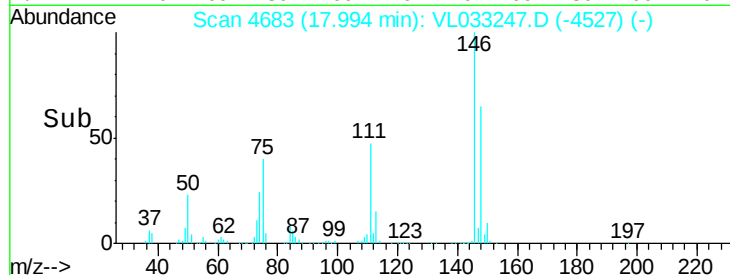
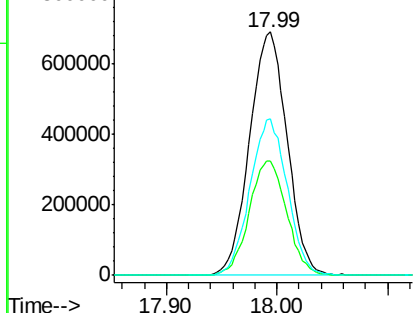


#77
 1,2-Dichlorobenzene
 Concen: 9.254 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. 0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

Tot Ion:146 Resp: 1631340
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.6 71.0
 148 64.2 32.3 96.9

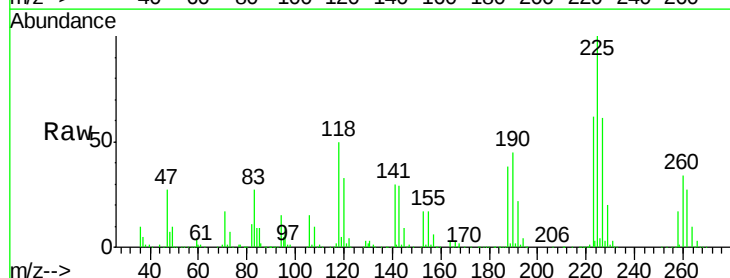


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

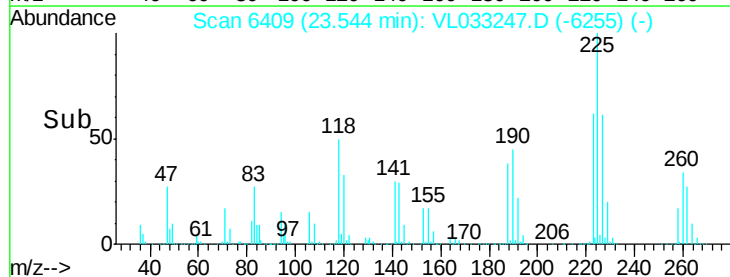
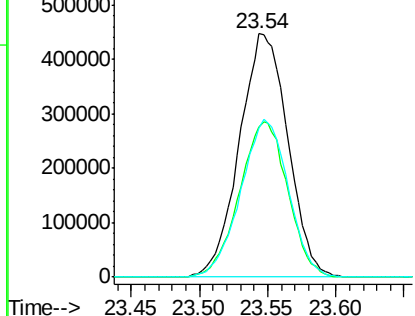


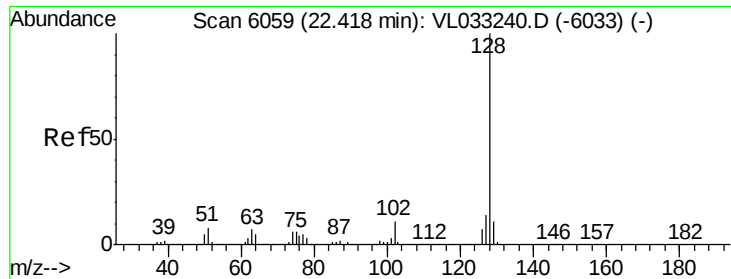
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.838 ppbv
 RT: 23.54 min Scan# 6409
 Delta R.T. -0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

Tgt Ion:225 Resp: 1102629
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.9 76.3
 227 63.7 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

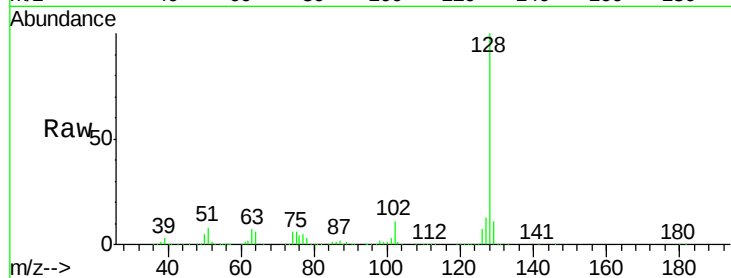




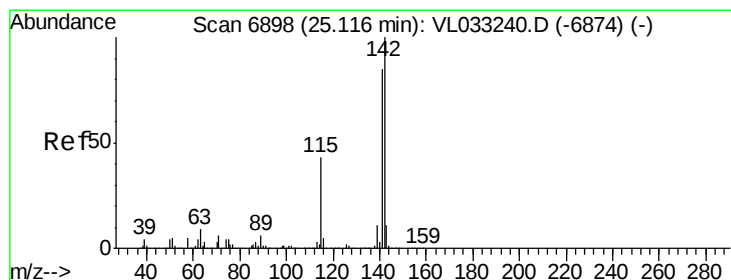
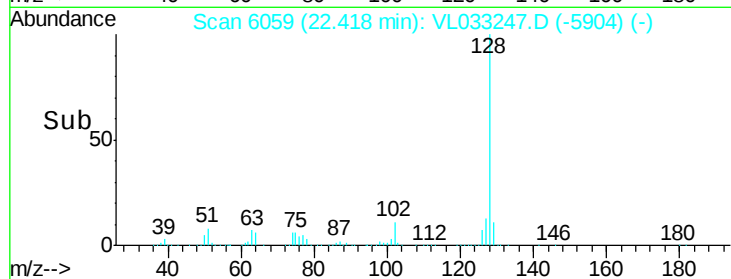
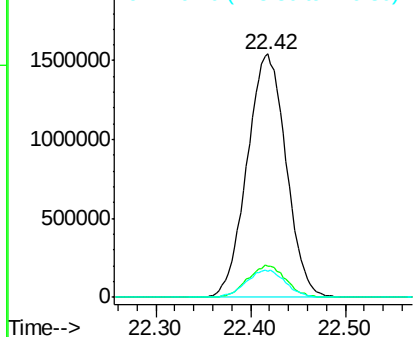
#79
Naphthalene
Concen: 11.627 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL033247.D
Acq: 6 Mar 2019 7:09

Tot Ion:128 Resp: 4414132

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.6	8.6	13.0



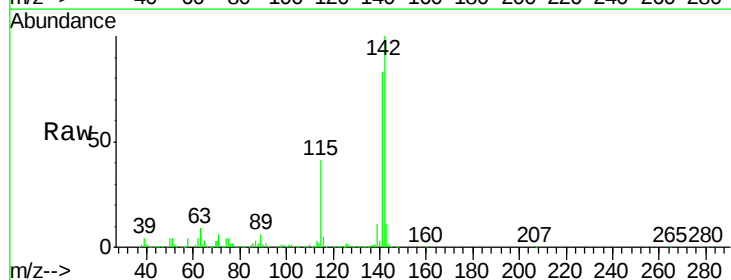
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



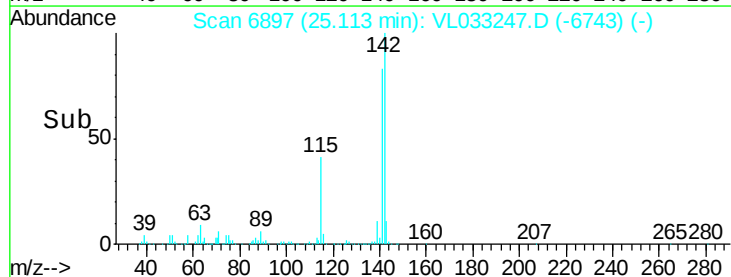
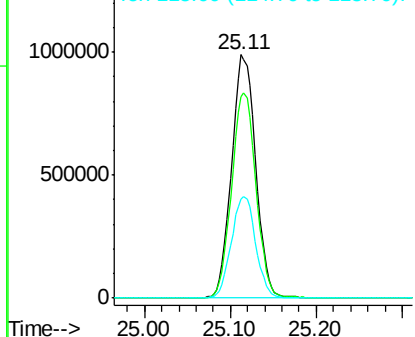
#80
Naphthalene, 2-methyl-
Concen: 17.052 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL033247.D
Acq: 6 Mar 2019 7:09

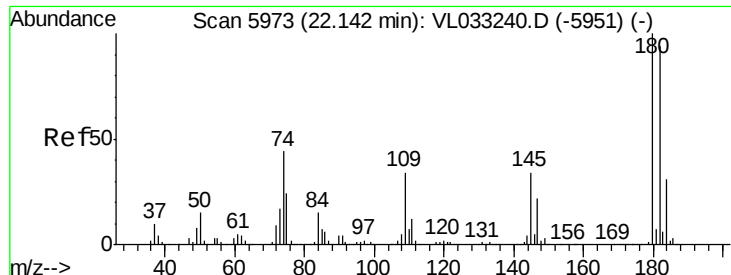
Tgt Ion:142 Resp: 1934075

Ion	Ratio	Lower	Upper
142	100		
141	85.1	68.0	102.0
115	42.2	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

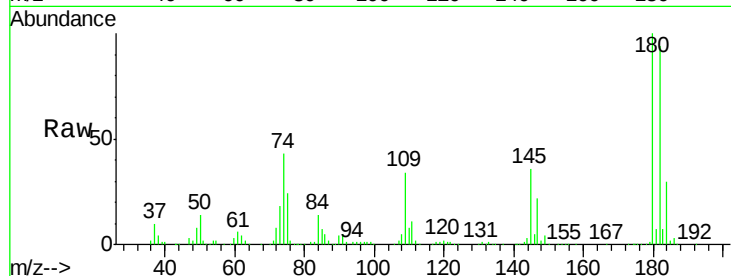




#81
 1,2,4-Trichlorobenzene
 Concen: 10.686 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. -0.00 min
 Lab File: VL033247.D
 Acq: 6 Mar 2019 7:09

Tot Ion:180 Resp: 2038511

Ion	Ratio	Lower	Upper
180	100		
182	94.8	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

