

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030619\
 Data File : VL033249.D
 Acq On : 6 Mar 2019 9:08
 Operator : SY/AP
 Sample : VL0306ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 04:26:47 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	5.77	49	900084	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2061859	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2323272	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1823087	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	1710184	13.450	ppbv 98
3) Chlorodifluoromethane	3.02	51	1001194	9.720	ppbv 100
4) Chloromethane	3.17	50	530342	10.001	ppbv 96
5) Vinyl Chloride	3.29	62	510129	8.579	ppbv 98
6) Bromomethane	3.52	94	316165	9.298	ppbv 99
7) Chloroethane	3.60	64	191218	9.624	ppbv 98
8) Dichlorotetrafluoroethane	3.22	85	1273168	10.130	ppbv 99
9) Propene	3.04	41	452789	9.863	ppbv 100
10) Heptane	8.25	43	1222213	9.786	ppbv 99
11) Trichlorofluoromethane	4.01	101	1398171	9.365	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	938685	9.698	ppbv 99
13) Ethanol	3.65	45	77472	5.645	ppbv 98
14) Bromoethene	3.79	108	400399	9.819	ppbv 99
15) Acetone	3.90	43	927815	8.010	ppbv 99
16) 1,3-Butadiene	3.36	39	440095	9.515	ppbv 96
17) tert-Butyl alcohol	4.36	59	165041	8.742	ppbv 98
18) 1,1-Dichloroethene	4.35	96	420424	9.756	ppbv 98
19) Isopropyl Alcohol	4.03	45	541123	7.859	ppbv # 99
20) Methylene Chloride	4.41	84	359288	8.185	ppbv 98
21) Allyl Chloride	4.48	41	660828	10.223	ppbv 100
22) trans-1,2-Dichloroethene	4.97	96	433383	9.852	ppbv 98
23) Vinyl Acetate	5.16	43	1670252	9.776	ppbv 99
24) 1,1-Dichloroethane	5.09	63	1126680	9.249	ppbv 99
25) Ethyl Acetate	5.77	43	1962958	9.244	ppbv 99
26) Hexane	5.78	57	885038	8.916	ppbv 98
27) Carbon Disulfide	4.62	76	1054670	11.022	ppbv 99
28) Methyl tert-Butyl Ether	5.11	73	1321007	9.649	ppbv 99
29) Chloroform	5.85	83	1436333	9.303	ppbv 97
30) Cyclohexane	7.25	84	740324	9.961	ppbv 98
31) cis-1,2-Dichloroethene	5.64	61	928896	9.688	ppbv 98
32) 1,1,1-Trichloroethane	6.62	97	1436918	9.594	ppbv 100
34) 2-Butanone	5.33	43	1314332	9.200	ppbv 99
35) Carbon Tetrachloride	7.14	117	1477444	9.474	ppbv 98
36) Benzene	7.01	78	1855369	9.588	ppbv 98
37) 1,2-Dichloroethane	6.42	62	1112473	9.236	ppbv 100
38) Trichloroethene	7.97	130	704023	9.633	ppbv 95
39) 1,2-Dichloropropane	7.74	63	700619	9.273	ppbv 98
40) 1,4-Dioxane	7.96	88	234959	8.382	ppbv # 94
41) Tetrahydrofuran	6.15	42	757446	9.650	ppbv 100
42) Bromodichloromethane	7.92	83	1643792	9.651	ppbv 99
43) Methyl Methacrylate	8.14	69	774495	9.893	ppbv 100

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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	3197651	9.344	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1030168	10.875	ppbv	97
46) cis-1,3-Dichloropropene	8.84	75	1184323	10.480	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	754753	9.282	ppbv	95
48) Dibromochloromethane	10.45	129	1328944	10.090	ppbv	100
49) Bromoform	13.21	173	1182787	11.245	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2010511	9.514	ppbv	100
51) 2-Hexanone	10.27	43	1546477	9.784	ppbv #	100
52) Tetrachloroethene	11.38	164	753005	10.441	ppbv	98
53) Toluene	9.95	91	2208369	9.870	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1337065	10.825	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	991867	9.834	ppbv	99
57) Chlorobenzene	12.31	112	1716408	9.489	ppbv	99
58) Ethyl Benzene	12.87	91	3258441m	10.140	ppbv	
59) m/p-Xylene	13.13	91	5451327m	19.907	ppbv	
60) o-Xylene	13.85	91	2565478	9.825	ppbv	100
61) Styrene	13.69	104	1929666	10.509	ppbv	100
62) Isopropylbenzene	14.83	105	3547976	9.747	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1668017m	8.978	ppbv	
64) n-propylbenzene	15.73	120	883460	9.790	ppbv	99
65) tert-Butylbenzene	16.91	119	2967030	9.547	ppbv	99
66) Benzyl Chloride	17.16	91	1463627	12.175	ppbv	99
67) sec-Butylbenzene	17.46	105	4273448	9.645	ppbv	99
69) p-Isopropyltoluene	17.82	119	3536839	9.872	ppbv	100
70) n-Butylbenzene	18.72	91	3864500	9.847	ppbv	100
71) 2-Chlorotoluene	15.62	91	2714085	9.751	ppbv	99
72) 4-Ethyltoluene	16.00	105	2891139	10.132	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2736597	9.991	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2770177	9.622	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	1594307	9.469	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1610556	9.652	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1570853	9.611	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1130338	9.771	ppbv	99
79) Naphthalene	22.42	128	4180066	11.874	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1698870	16.153	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1922398	10.868	ppbv	100

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

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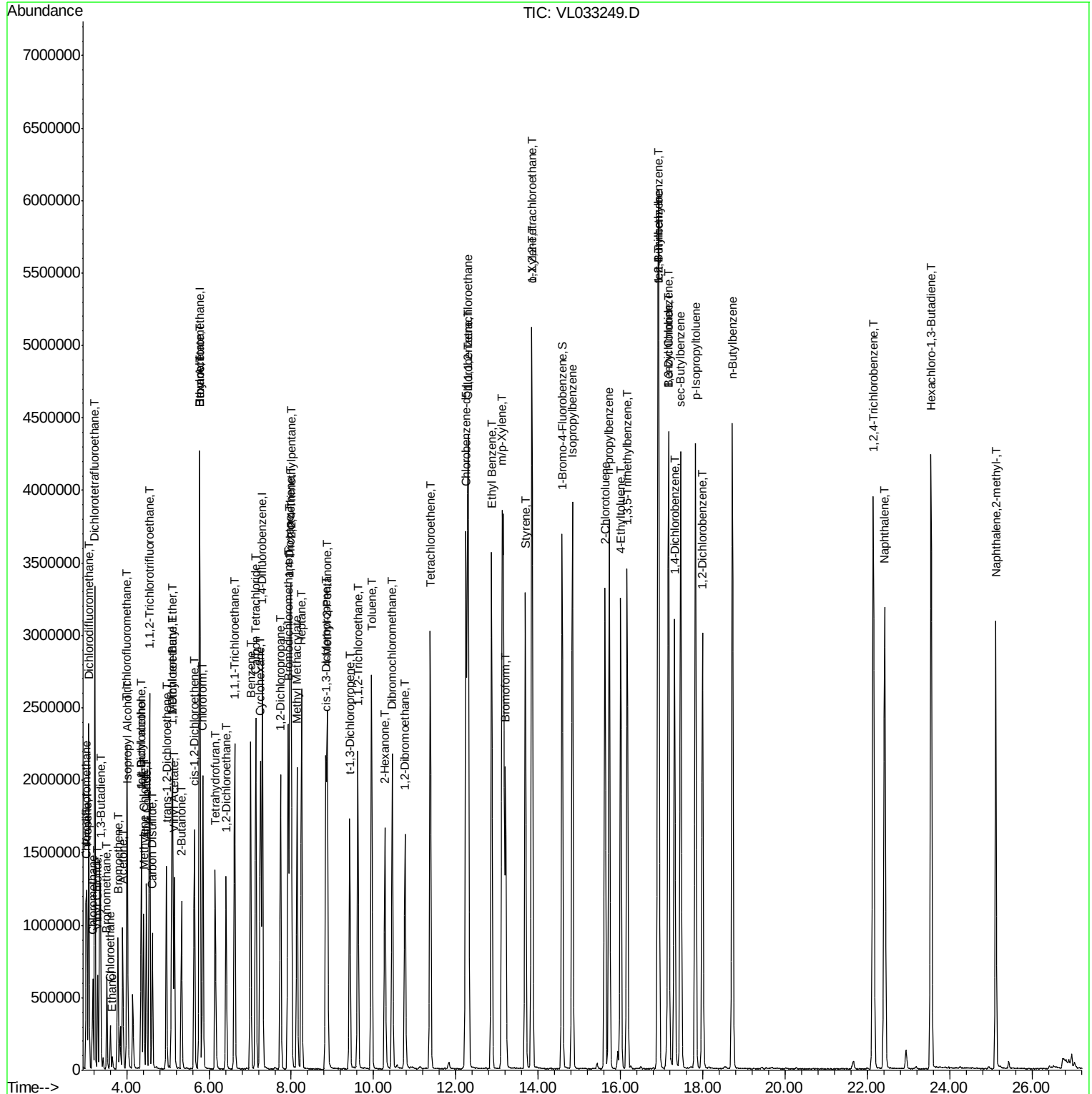
Quant Time: Mar 07 04:26:47 2019

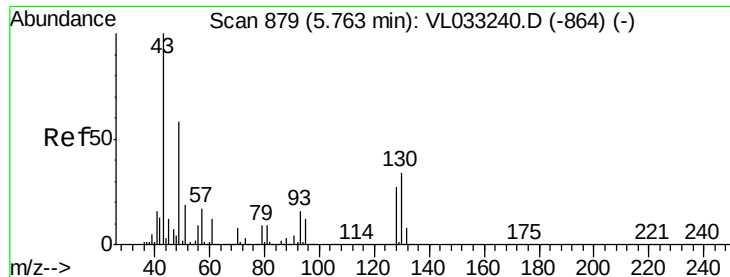
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030619AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

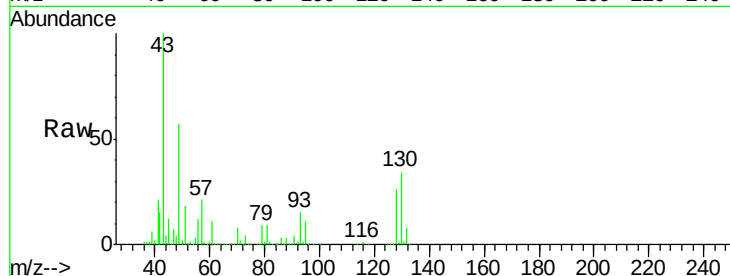
Tot Ion: 49 Resp: 900084

Ion	Ratio	Lower	Upper
49	100		
128	45.6	22.9	68.8
130	59.0	29.3	88.0

49 100

128 45.6 22.9 68.8

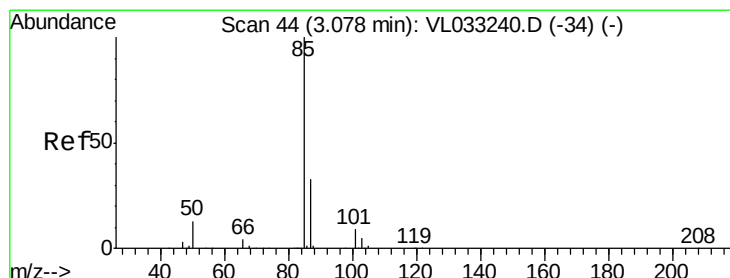
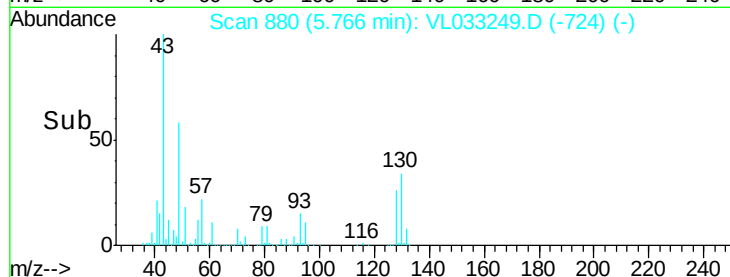
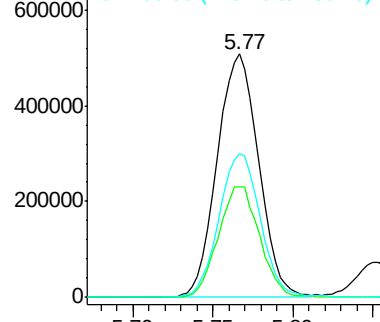
130 59.0 29.3 88.0



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



#2

Dichlorodifluoromethane

Concen: 13.450 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL033249.D

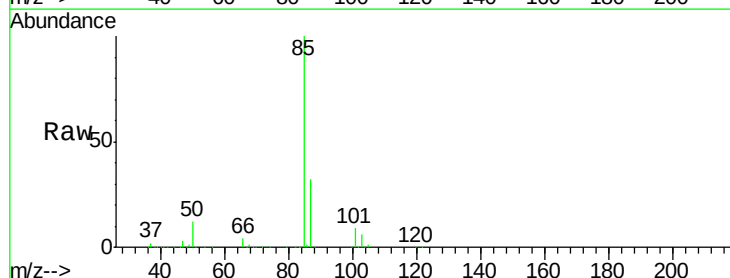
Acq: 6 Mar 2019 9:08

Tgt Ion: 85 Resp: 1710184

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.7	40.1

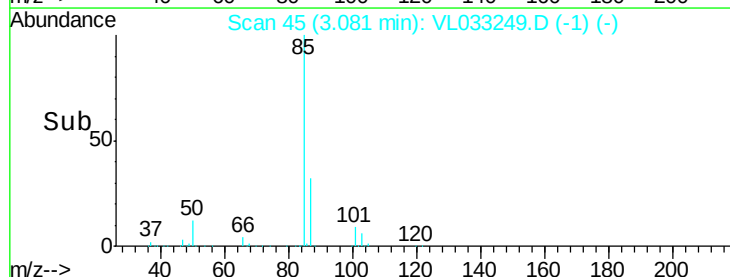
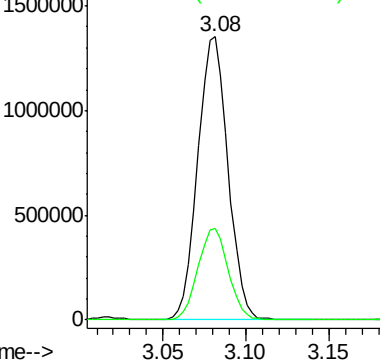
85 100

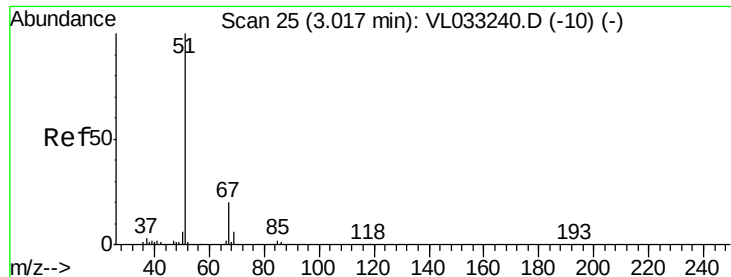
87 32.4 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

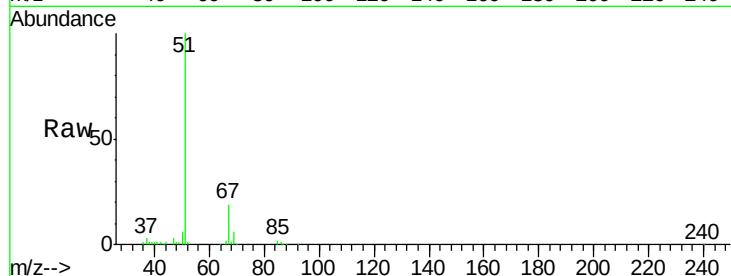
Ion 87.00 (86.70 to 87.70): VL0



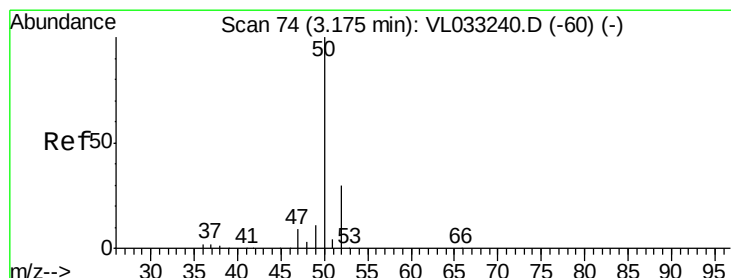
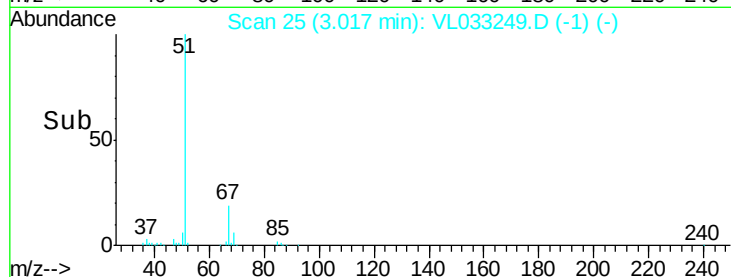
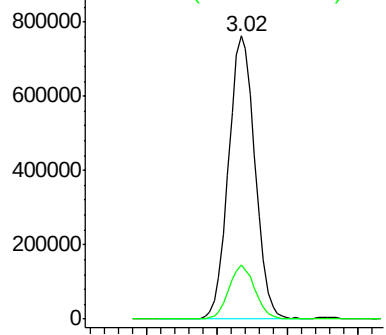


#3
Chlorodifluoromethane
Concen: 9.720 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL033249.D
Acq: 6 Mar 2019 9:08

Tot Ion: 51 Resp: 1001194
Ion Ratio Lower Upper
51 100
67 18.9 15.0 22.4

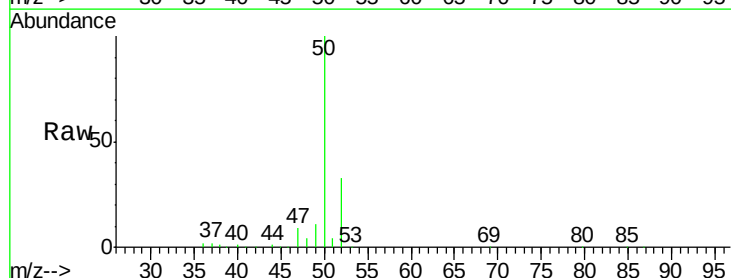


Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0

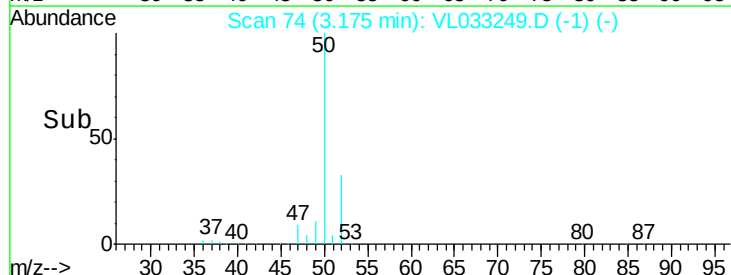
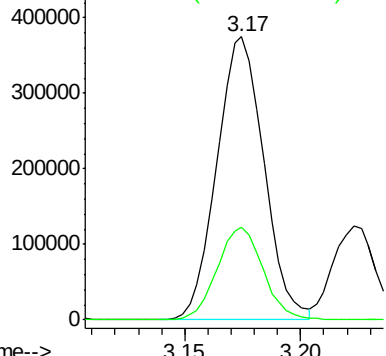


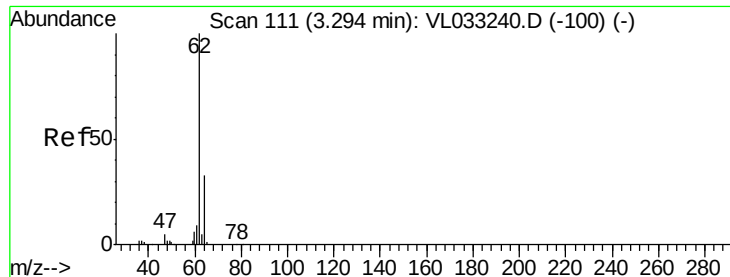
#4
Chloromethane
Concen: 10.001 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL033249.D
Acq: 6 Mar 2019 9:08

Tgt Ion: 50 Resp: 530342
Ion Ratio Lower Upper
50 100
52 32.5 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: 8.579 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033249.D

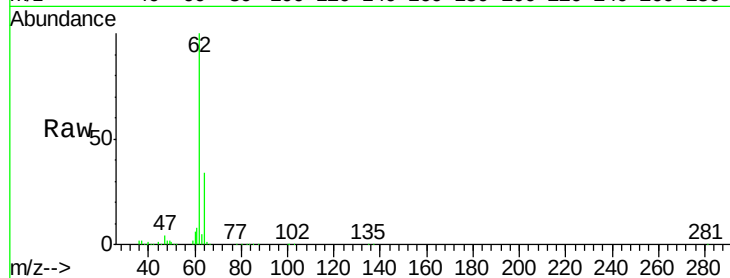
Acq: 6 Mar 2019 9:08

Tot Ion: 62 Resp: 510129

Ion Ratio Lower Upper

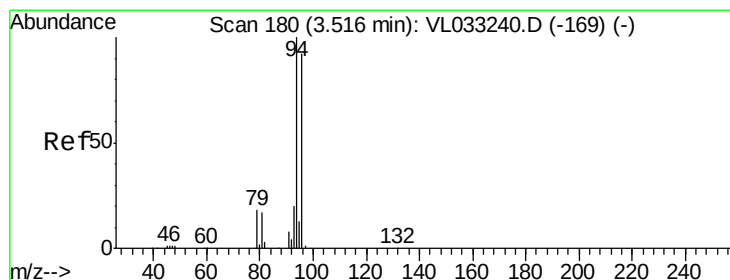
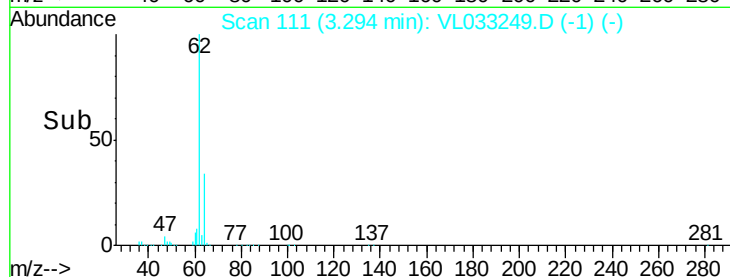
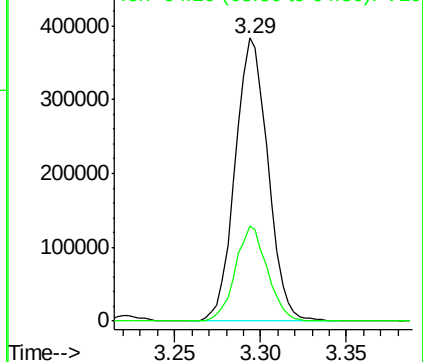
62 100

64 33.8 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: 9.298 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL033249.D

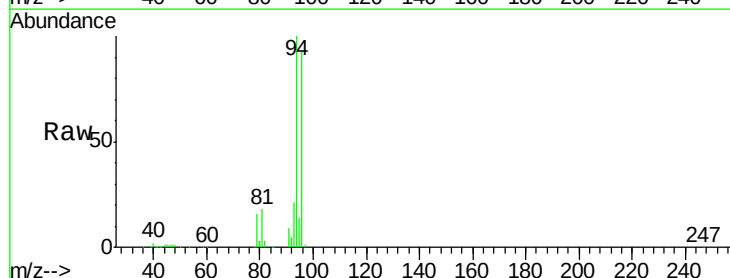
Acq: 6 Mar 2019 9:08

Tgt Ion: 94 Resp: 316165

Ion Ratio Lower Upper

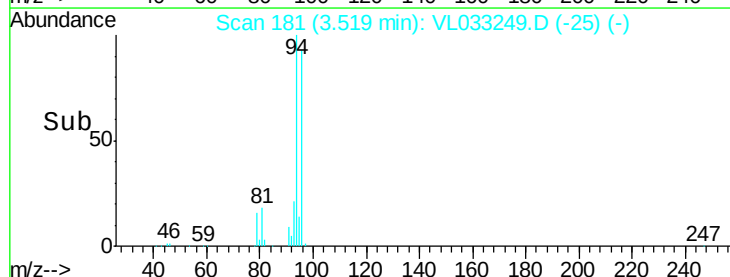
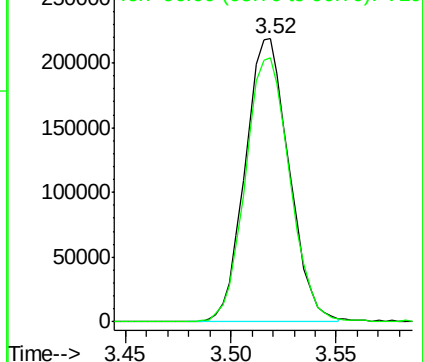
94 100

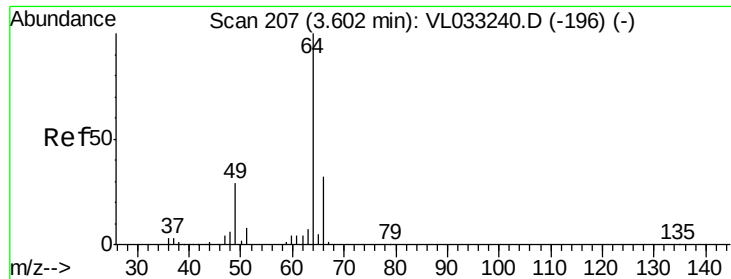
96 93.3 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.624 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033249.D

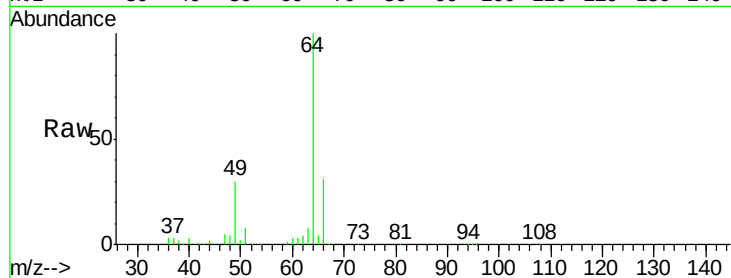
Acq: 6 Mar 2019 9:08

Tot Ion: 64 Resp: 191218

Ion Ratio Lower Upper

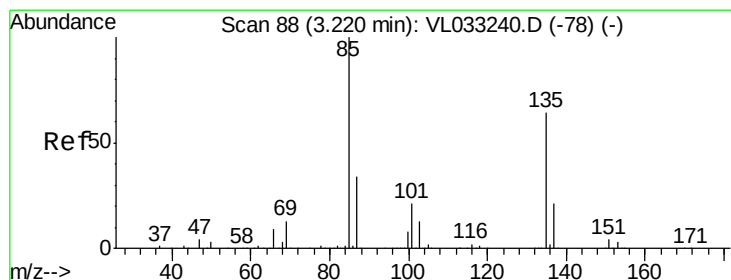
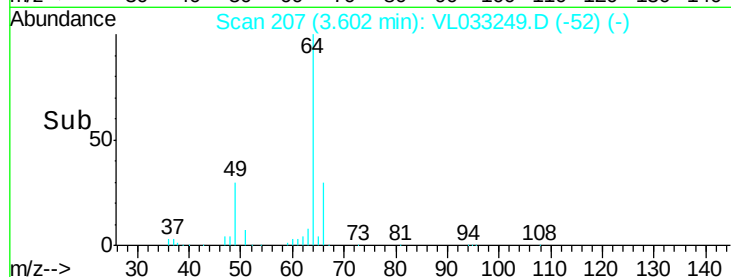
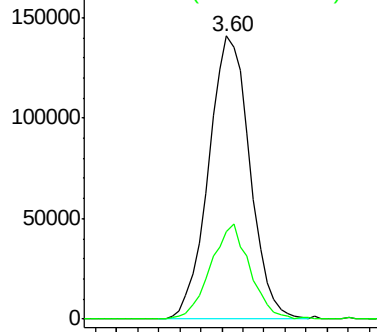
64 100

66 30.9 25.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.130 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033249.D

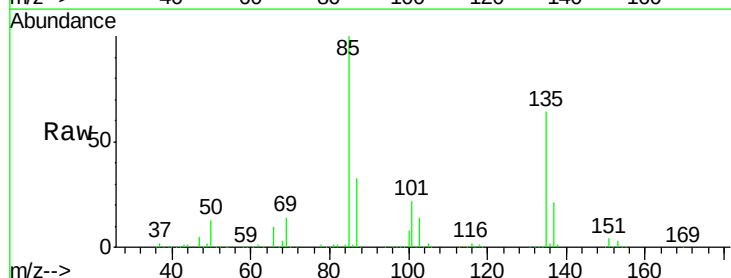
Acq: 6 Mar 2019 9:08

Tgt Ion: 85 Resp: 1273168

Ion Ratio Lower Upper

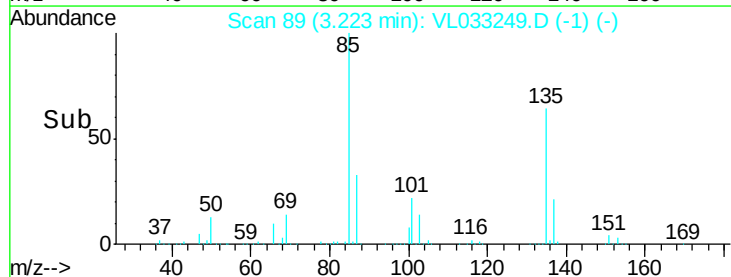
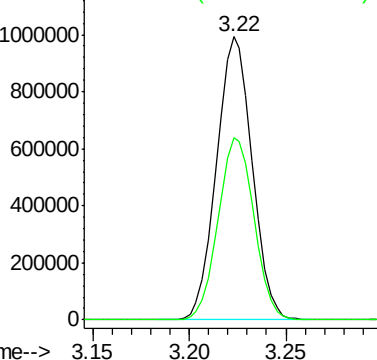
85 100

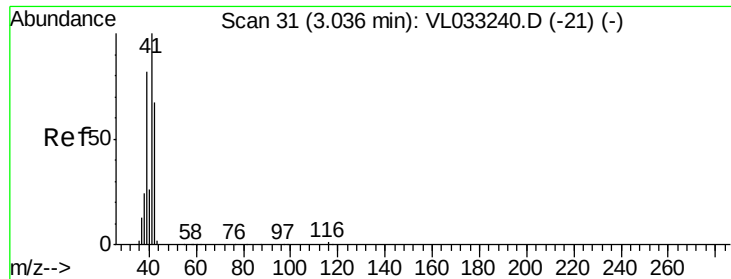
135 65.0 52.6 79.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.863 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033249.D

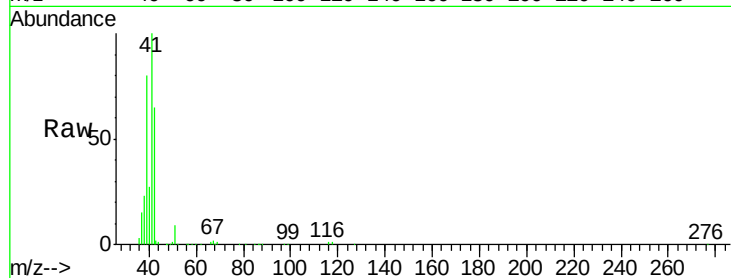
Acq: 6 Mar 2019 9:08

Tot Ion: 41 Resp: 452789

Ion Ratio Lower Upper

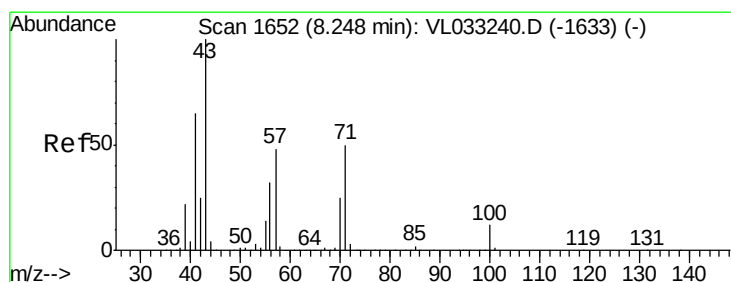
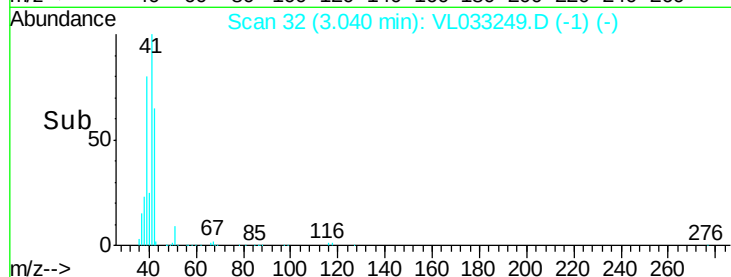
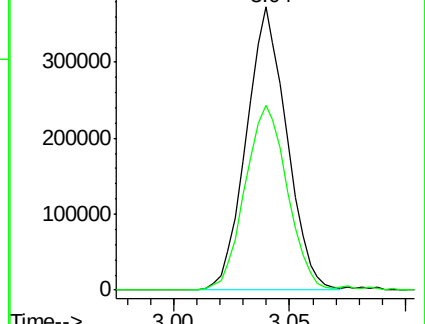
41 100

42 69.5 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: 9.786 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VL033249.D

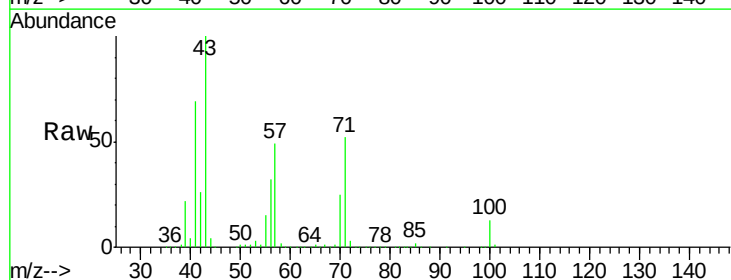
Acq: 6 Mar 2019 9:08

Tgt Ion: 43 Resp: 1222213

Ion Ratio Lower Upper

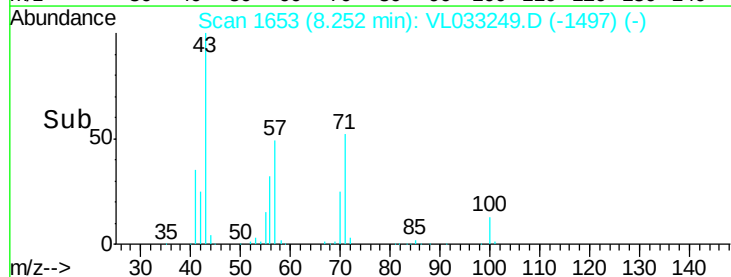
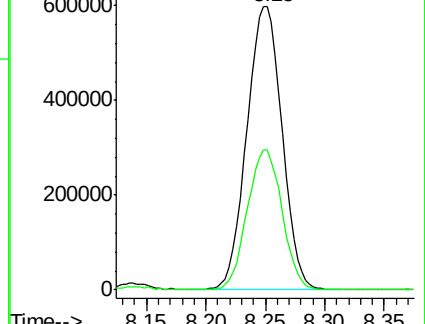
43 100

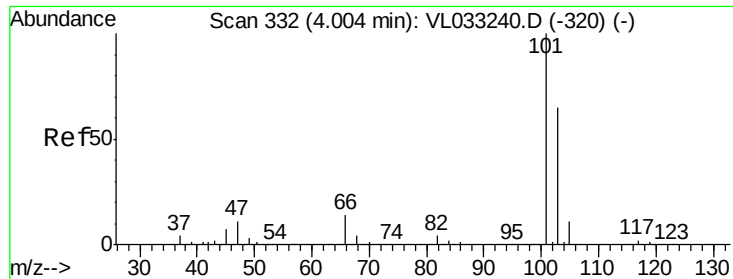
57 48.9 39.8 59.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

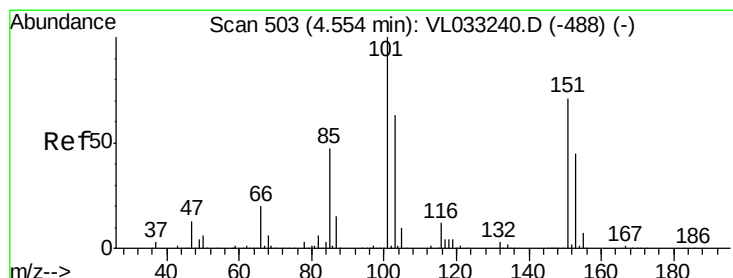
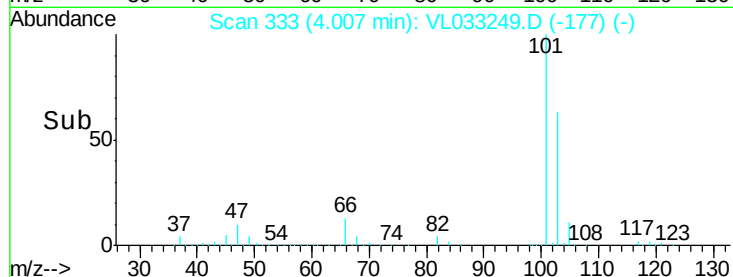
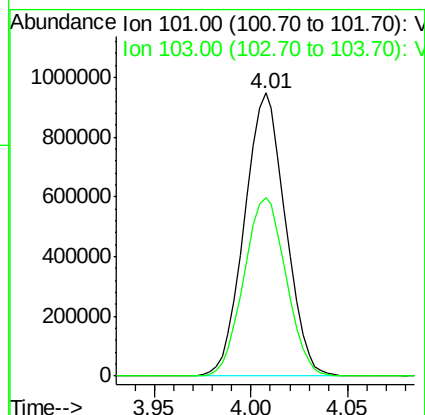
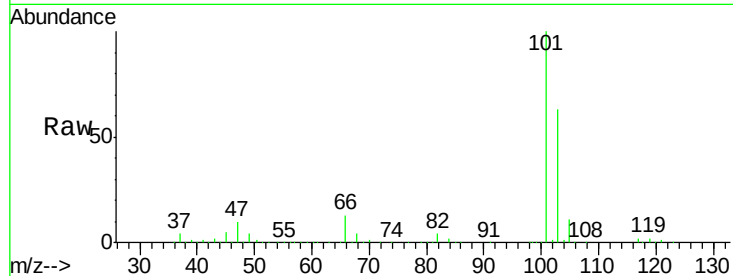
Ion 57.10 (56.80 to 57.80): VL0





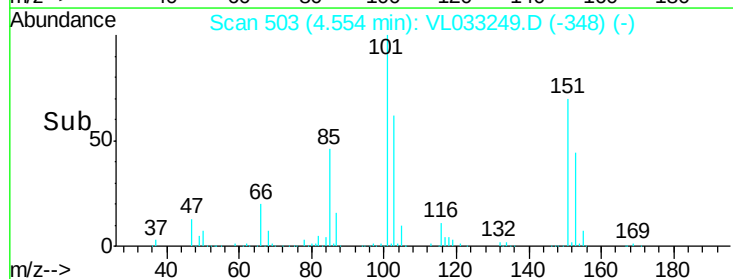
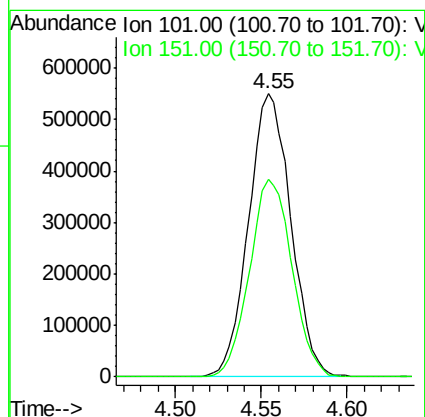
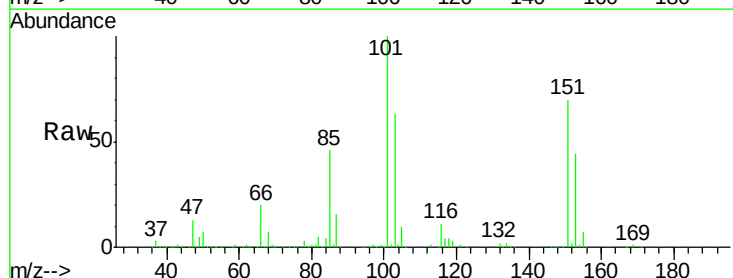
#11
 Trichlorofluoromethane
 Concen: 9.365 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033249.D
 Acq: 6 Mar 2019 9:08

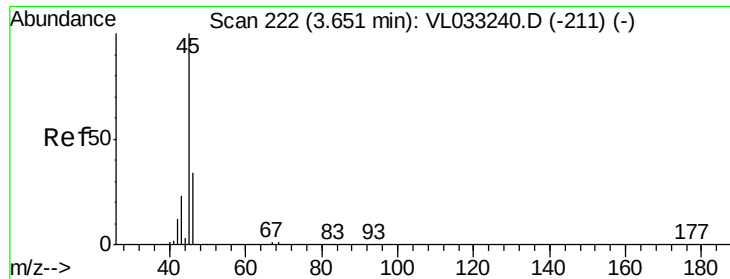
Tot Ion:101 Resp: 1398171
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.698 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VL033249.D
 Acq: 6 Mar 2019 9:08

Tgt Ion:101 Resp: 938685
 Ion Ratio Lower Upper
 101 100
 151 70.1 57.0 85.6





#13

Ethanol

Concen: 5.645 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033249.D

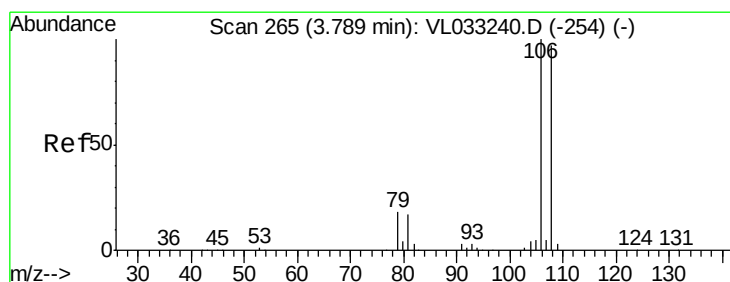
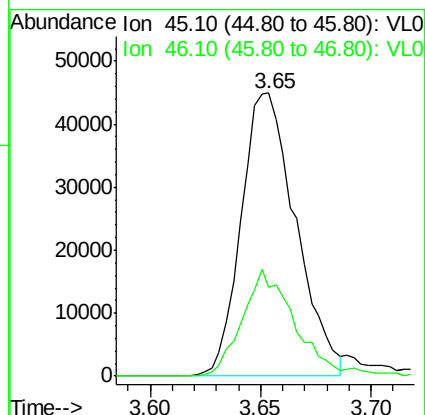
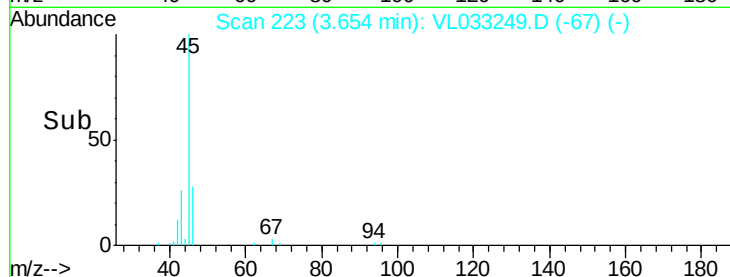
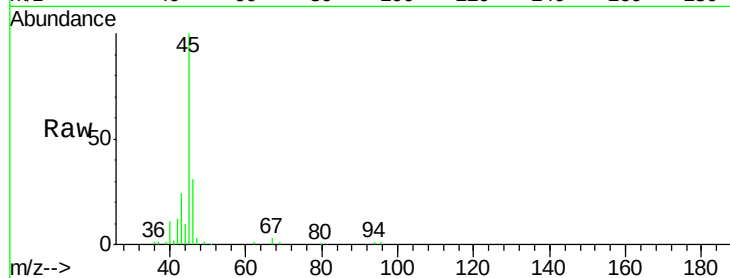
Acq: 6 Mar 2019 9:08

Tot Ion: 45 Resp: 77472

Ion Ratio Lower Upper

45 100

46 37.2 15.3 61.3



#14

Bromoethene

Concen: 9.819 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

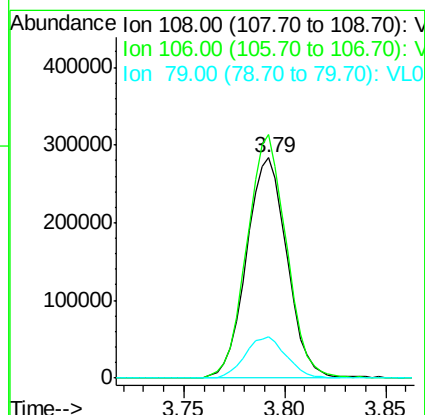
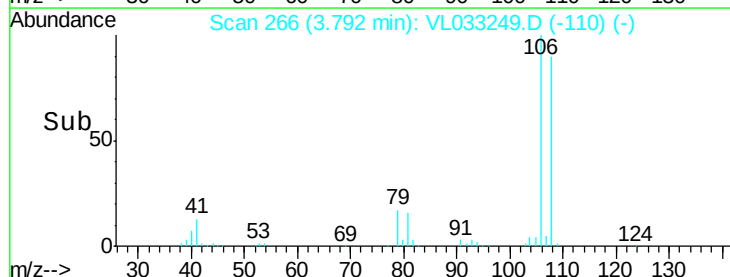
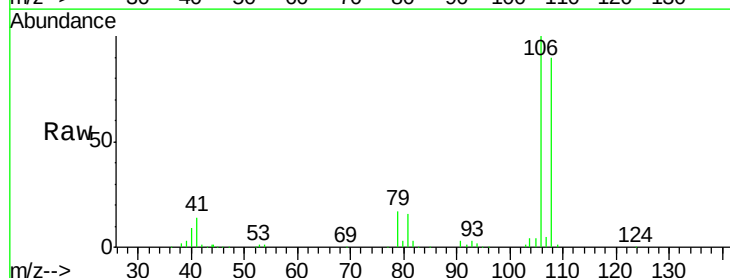
Tgt Ion: 108 Resp: 400399

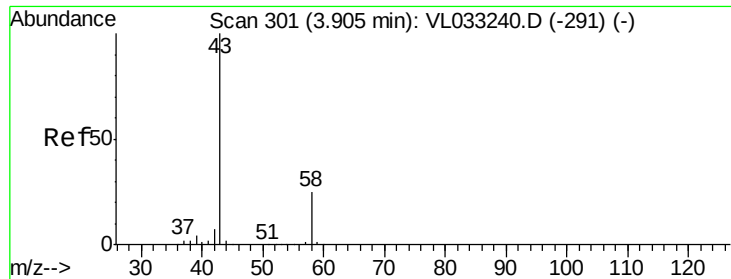
Ion Ratio Lower Upper

108 100

106 108.0 85.5 128.3

79 19.1 15.3 22.9





#15

Acetone

Concen: 8.010 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL033249.D

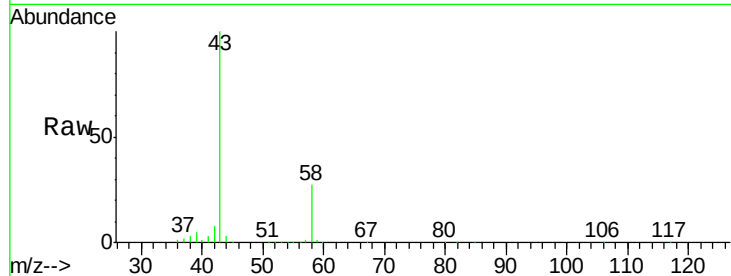
Acq: 6 Mar 2019 9:08

Tot Ion: 43 Resp: 927815

Ion Ratio Lower Upper

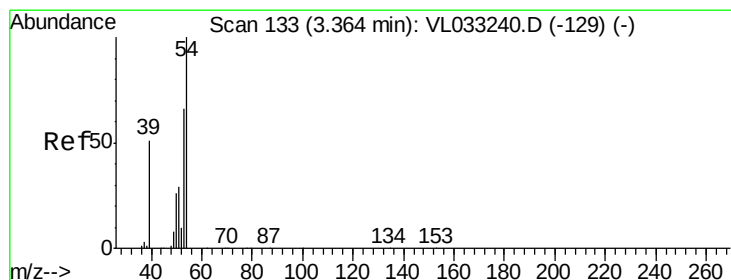
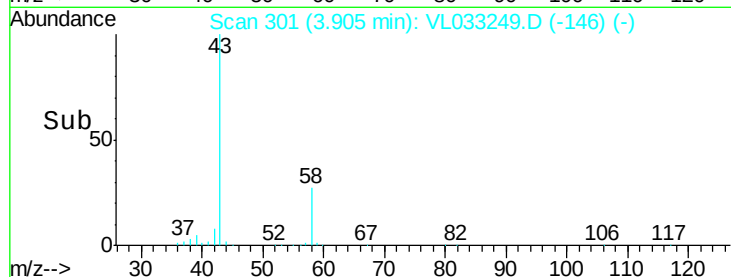
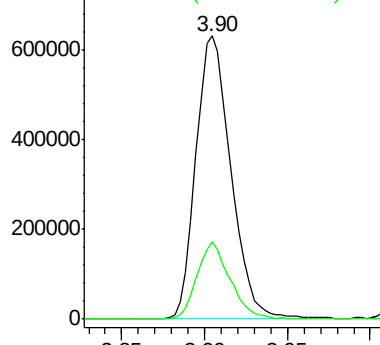
43 100

58 25.8 20.2 30.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.515 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL033249.D

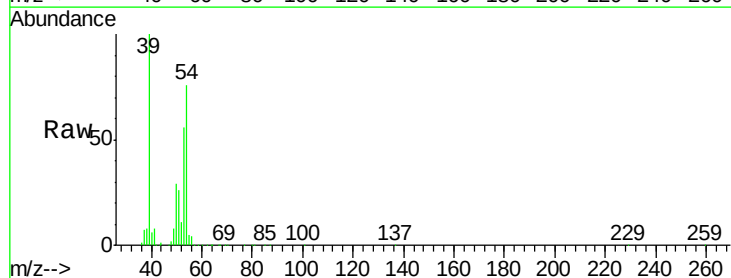
Acq: 6 Mar 2019 9:08

Tgt Ion: 39 Resp: 440095

Ion Ratio Lower Upper

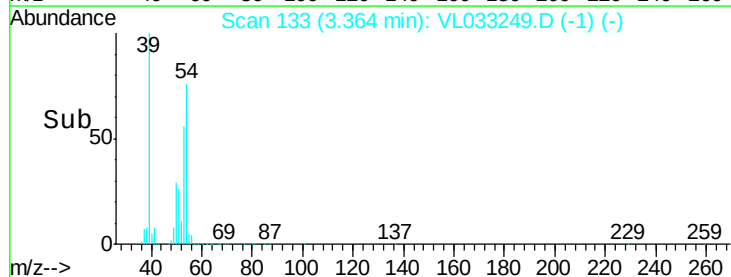
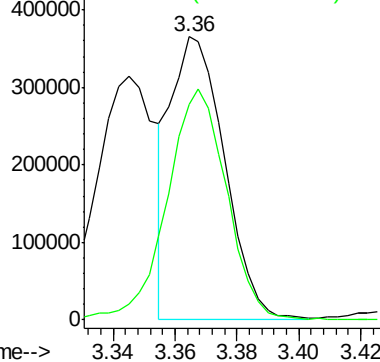
39 100

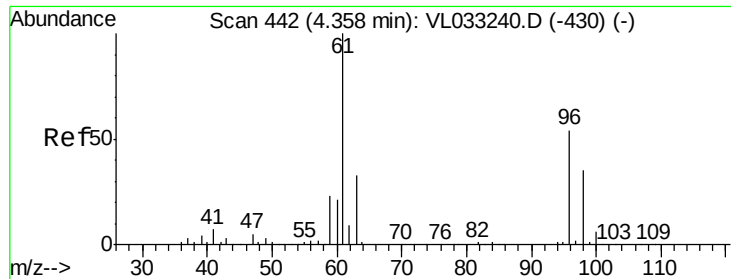
54 91.0 69.6 104.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 8.742 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.00 min

Lab File: VL033249.D

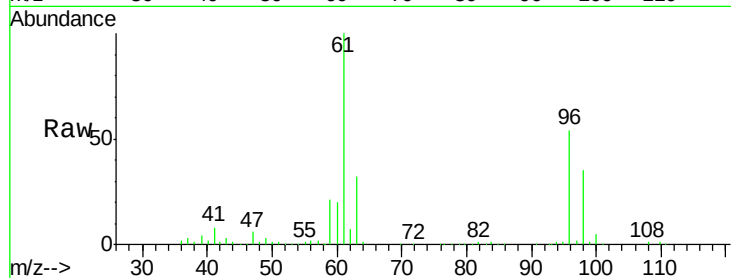
Acq: 6 Mar 2019 9:08

Tot Ion: 59 Resp: 165041

Ion Ratio Lower Upper

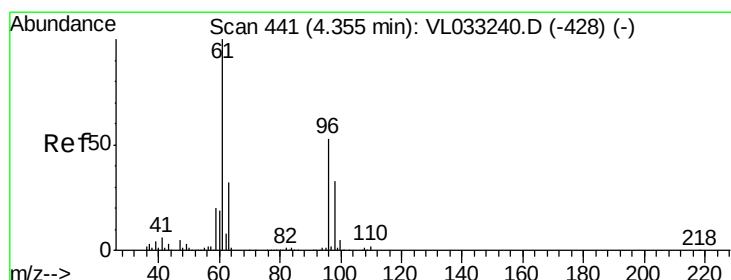
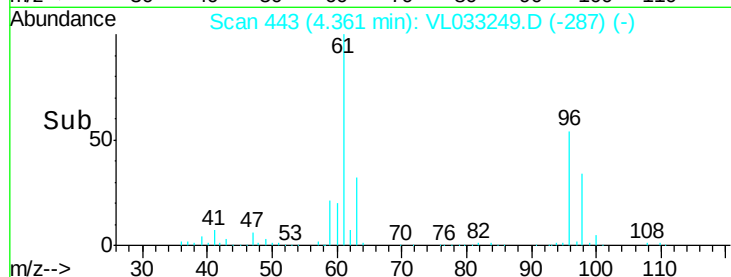
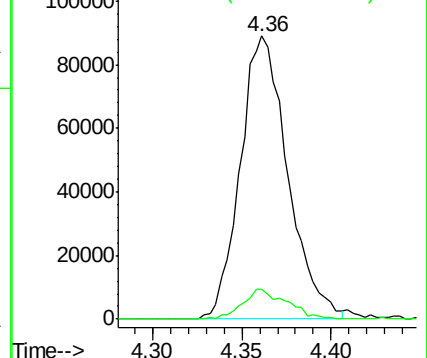
59 100

57 10.0 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: 9.756 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

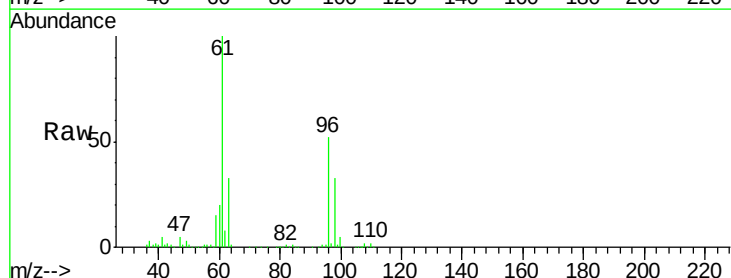
Tgt Ion: 96 Resp: 420424

Ion Ratio Lower Upper

96 100

61 190.4 150.2 225.2

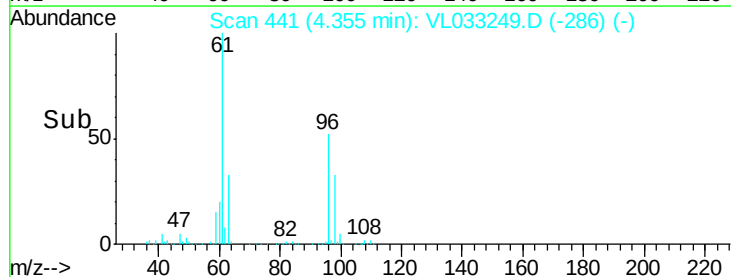
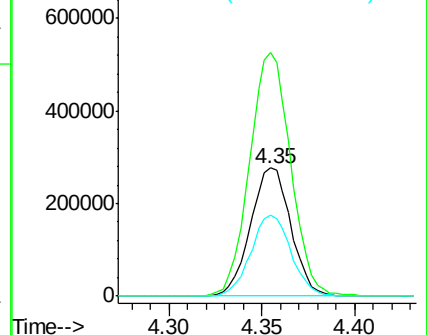
98 63.4 49.2 73.8

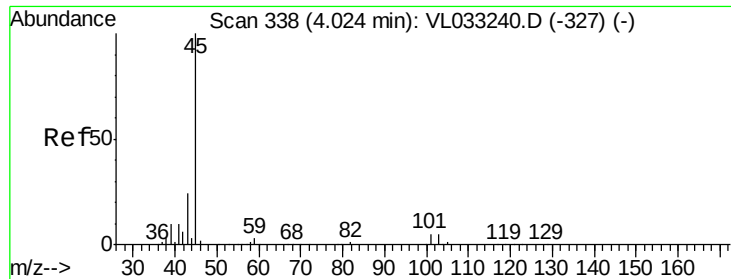


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 7.859 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.00 min

Lab File: VL033249.D

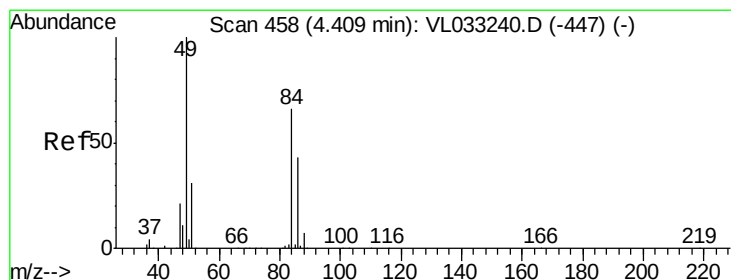
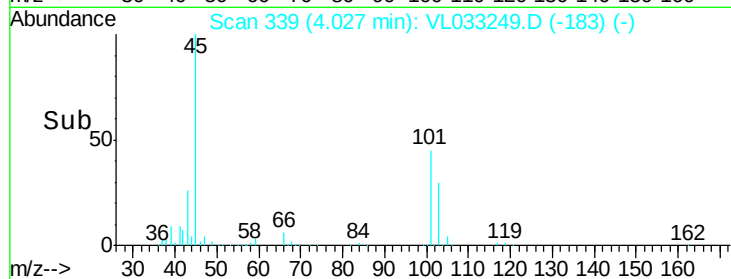
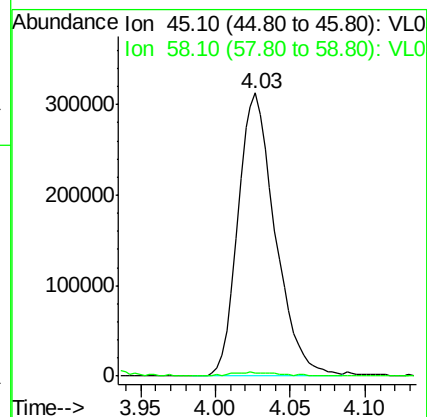
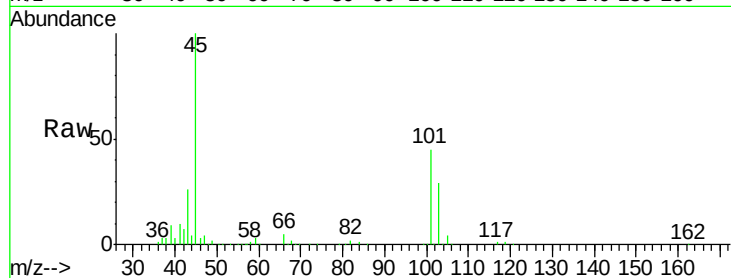
Acq: 6 Mar 2019 9:08

Tot Ion: 45 Resp: 541123

Ion Ratio Lower Upper

45 100

58 2.2 1.4 2.0#



#20

Methylene Chloride

Concen: 8.185 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

Tgt Ion: 84 Resp: 359288

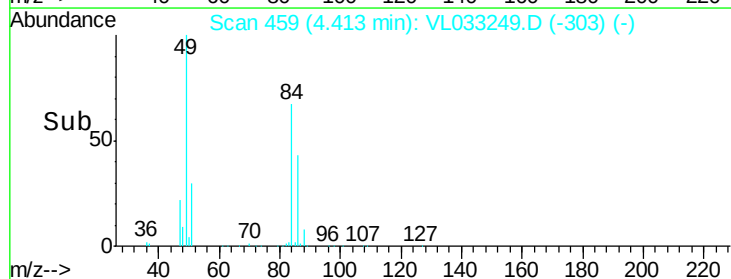
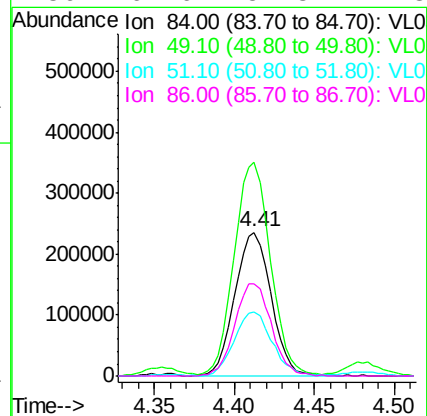
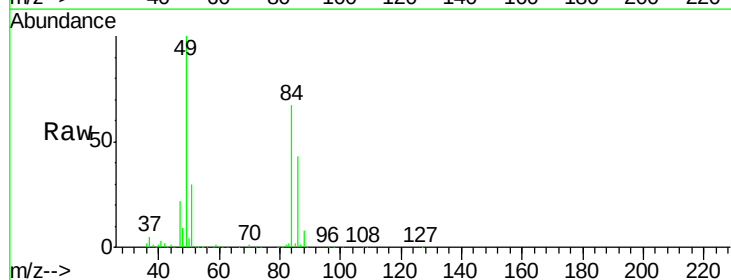
Ion Ratio Lower Upper

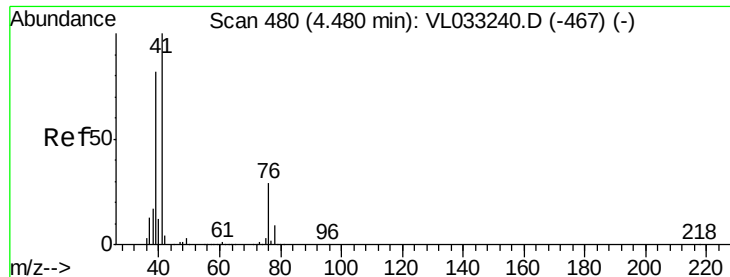
84 100

49 147.8 120.4 180.6

51 44.2 36.7 55.1

86 64.6 51.8 77.8





#21

Allvl Chloride

Concen: 10.223 ppbv

RT: 4.48 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

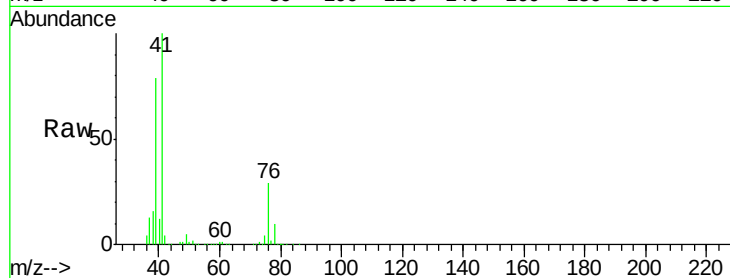
Tot Ion: 41 Resp: 660828

Ion Ratio Lower Upper

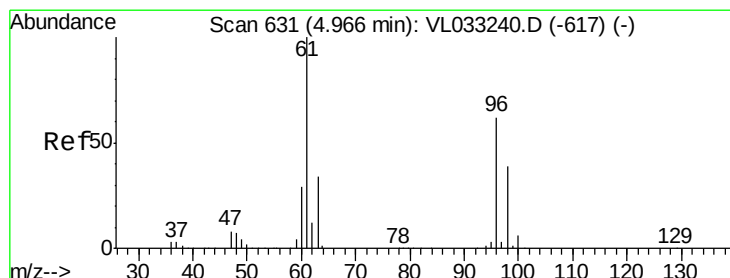
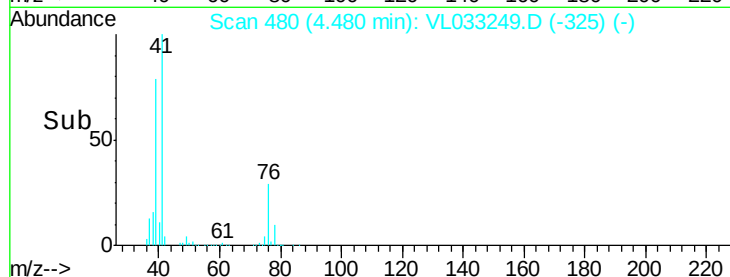
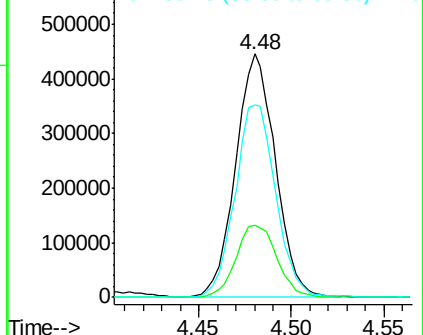
41 100

76 30.5 24.6 36.8

39 81.4 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: 9.852 ppbv

RT: 4.97 min Scan# 631

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

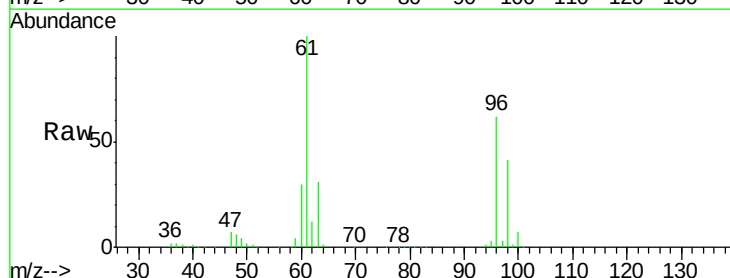
Tgt Ion: 96 Resp: 433383

Ion Ratio Lower Upper

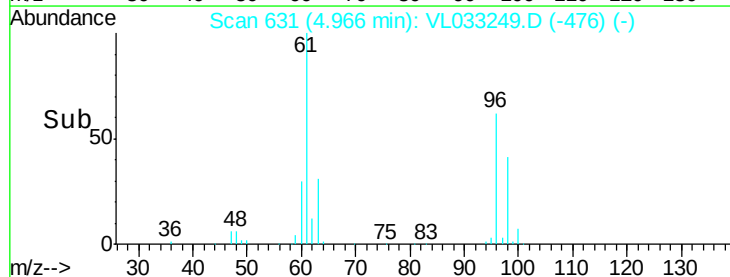
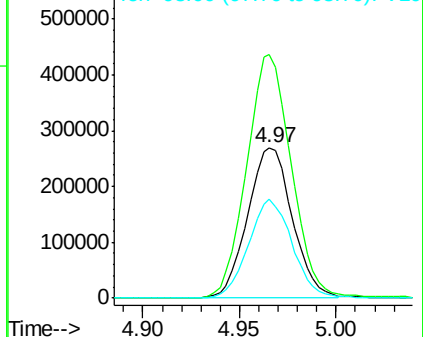
96 100

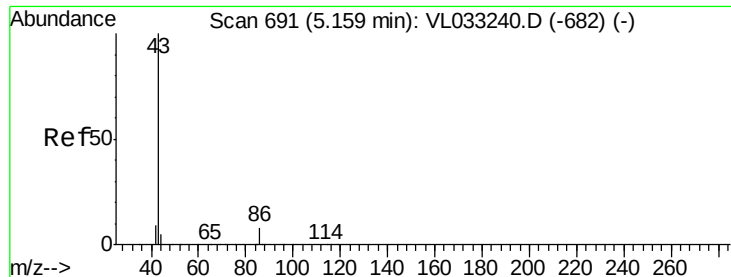
61 161.8 128.3 192.5

98 66.0 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: 9.776 ppbv

RT: 5.16 min Scan# 691

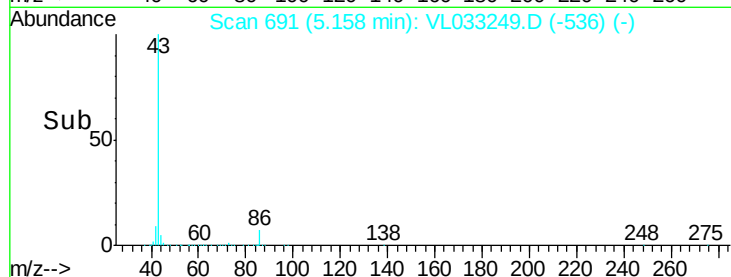
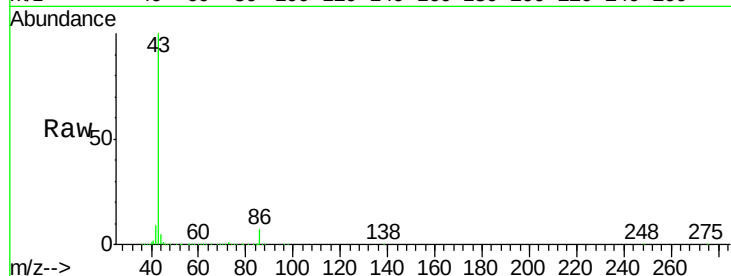
Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

Tot Ion: 43 Resp: 1670252

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.5	8.3
42	9.3	7.7	11.5
44	5.1	4.1	6.1

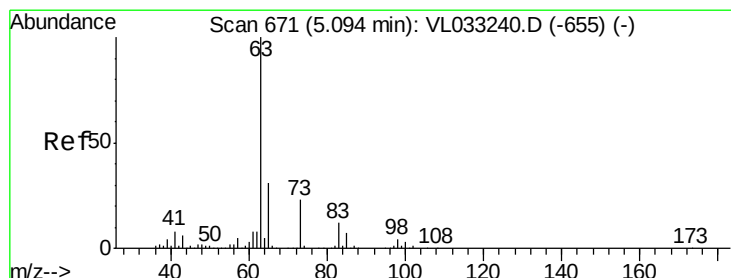
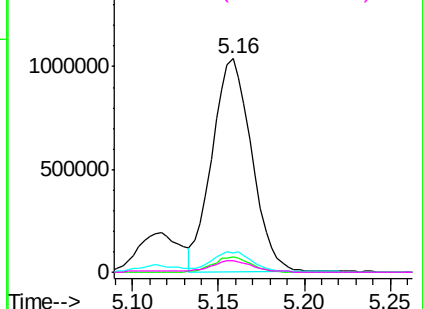


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.249 ppbv

RT: 5.09 min Scan# 671

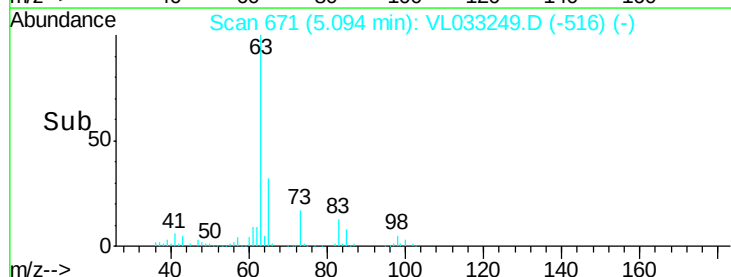
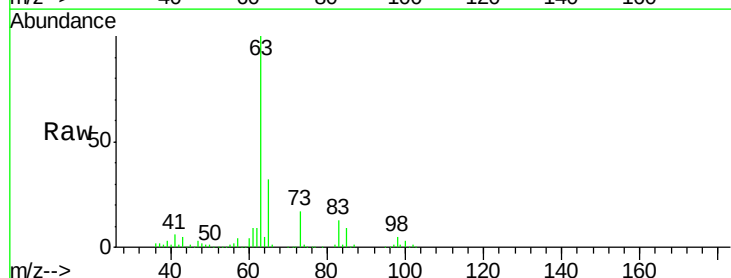
Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

Tgt Ion: 63 Resp: 1126680

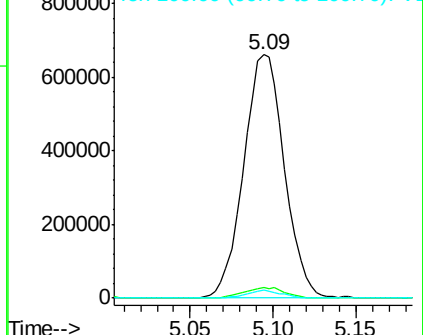
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.3
100	3.0	1.3	3.8

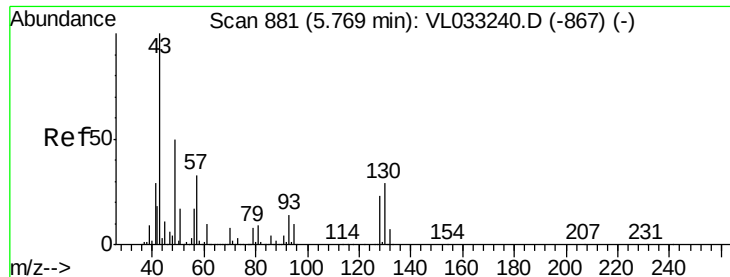


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

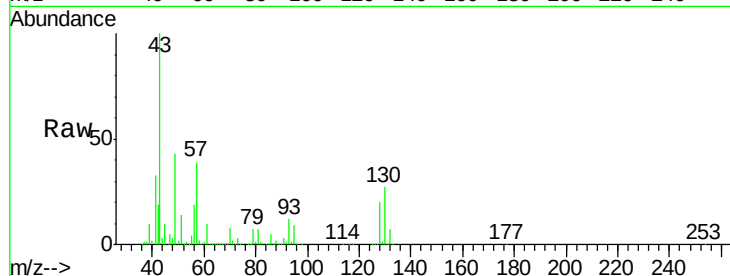




#25
Ethyl Acetate
Concen: 9.244 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033249.D
Acq: 6 Mar 2019 9:08

Tot Ion: 43 Resp: 1962958

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	9.2	7.0	10.6
70	6.8	5.5	8.3



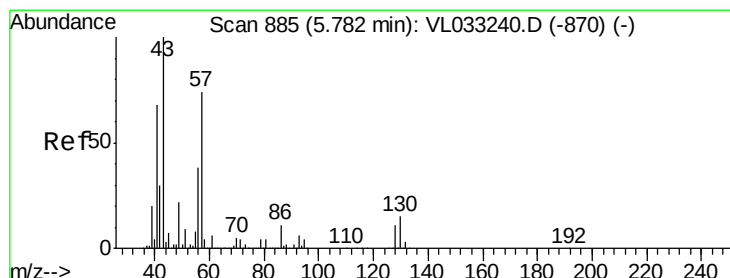
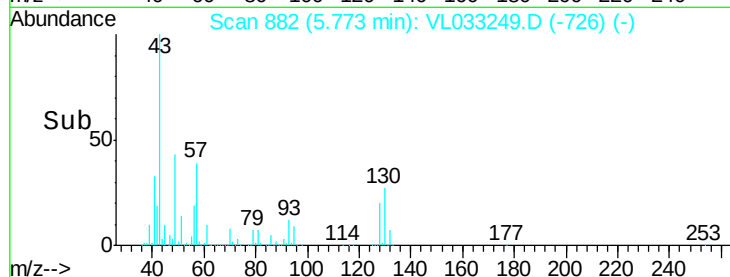
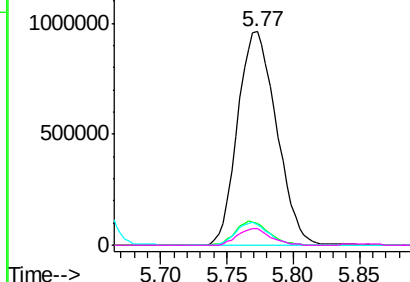
Abundance

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

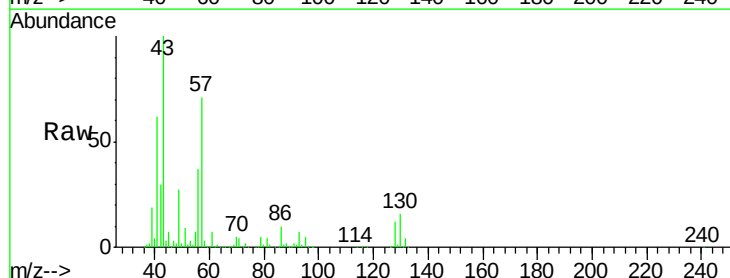
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.916 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033249.D
Acq: 6 Mar 2019 9:08

Tgt Ion: 57 Resp: 885038

Ion	Ratio	Lower	Upper
57	100		
41	89.4	73.4	110.2
43	222.9	182.1	273.1
56	52.7	42.6	64.0



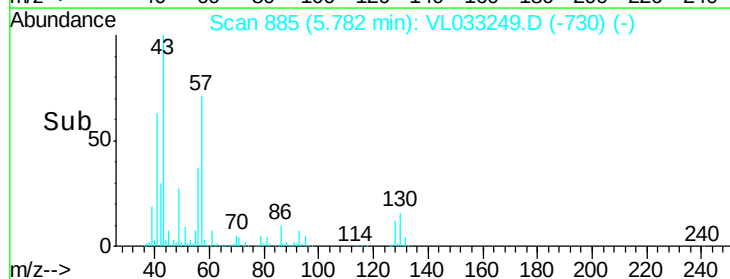
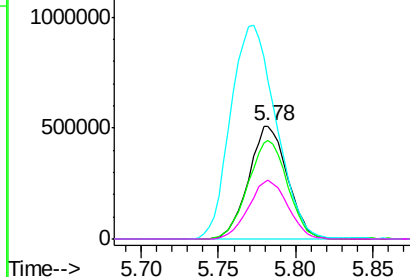
Abundance

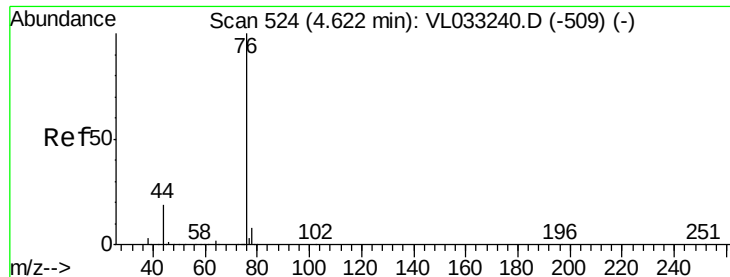
Ion 57.10 (56.80 to 57.80): VL0

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: 11.022 ppbv

RT: 4.62 min Scan# 524

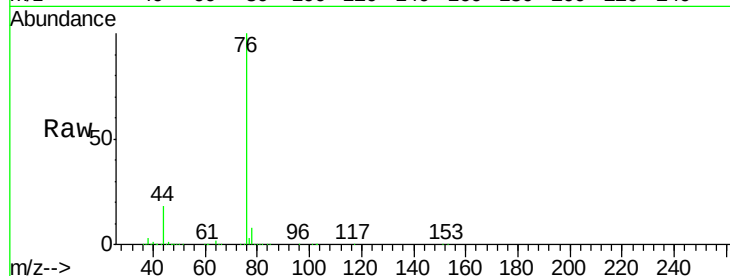
Delta R.T. -0.00 min

Lab File: VL033249.D

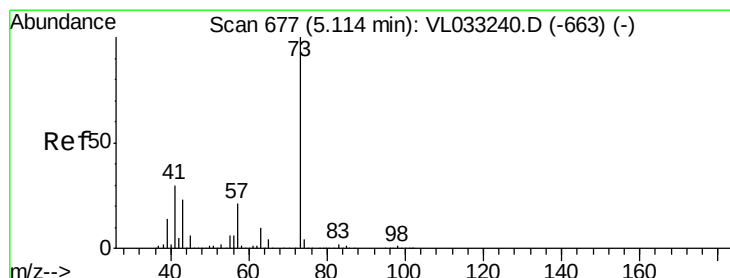
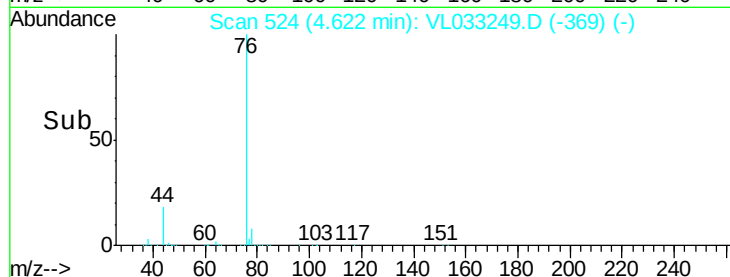
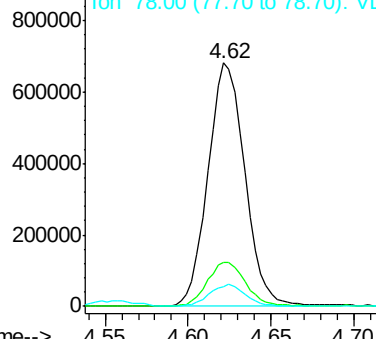
Acq: 6 Mar 2019 9:08

Tot Ion: 76 Resp: 1054670

Ion	Ratio	Lower	Upper
76	100		
44	18.4	15.0	22.6
78	8.8	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: 9.649 ppbv

RT: 5.11 min Scan# 677

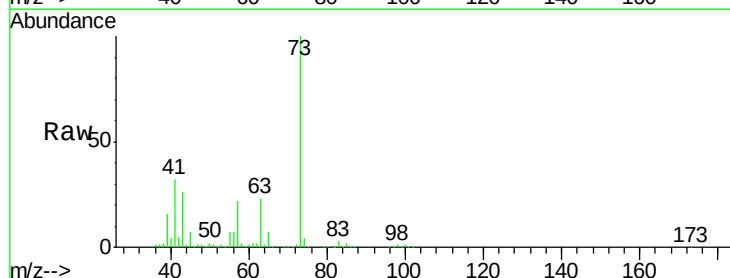
Delta R.T. -0.00 min

Lab File: VL033249.D

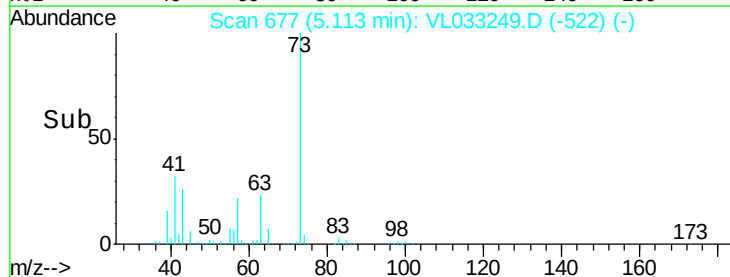
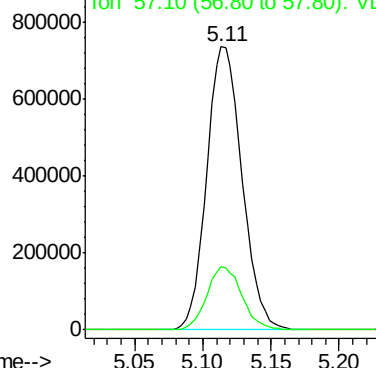
Acq: 6 Mar 2019 9:08

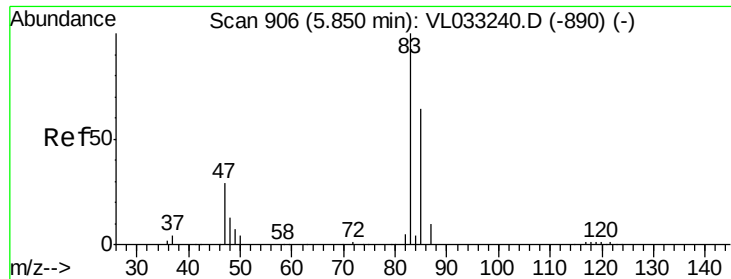
Tgt Ion: 73 Resp: 1321007

Ion	Ratio	Lower	Upper
73	100		
57	22.3	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: 9.303 ppbv

RT: 5.85 min Scan# 907

Delta R.T. 0.00 min

Lab File: VL033249.D

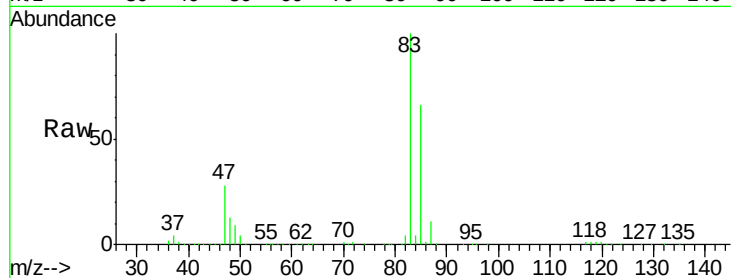
Acq: 6 Mar 2019 9:08

Tot Ion: 83 Resp: 1436333

Ion Ratio Lower Upper

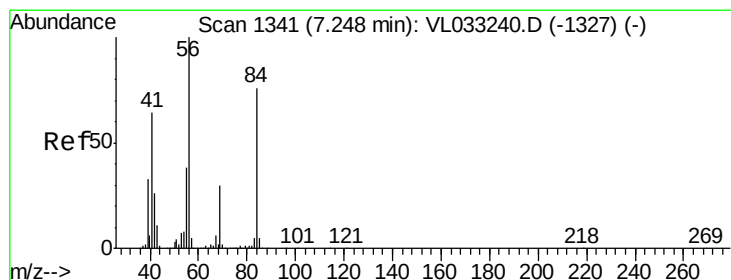
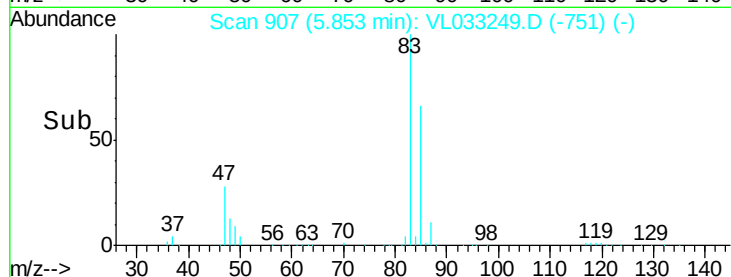
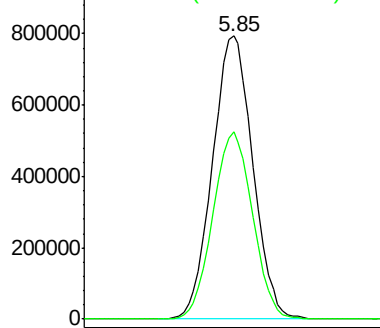
83 100

85 66.1 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: 9.961 ppbv

RT: 7.25 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

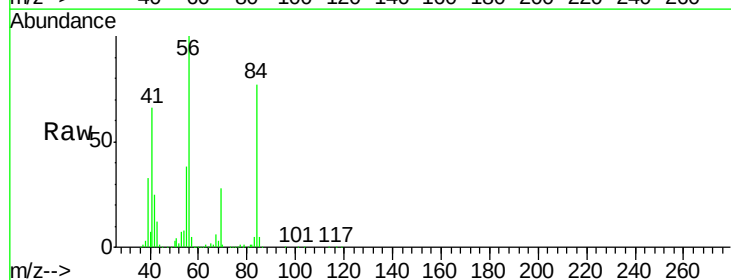
Tgt Ion: 84 Resp: 740324

Ion Ratio Lower Upper

84 100

56 138.5 113.1 169.7

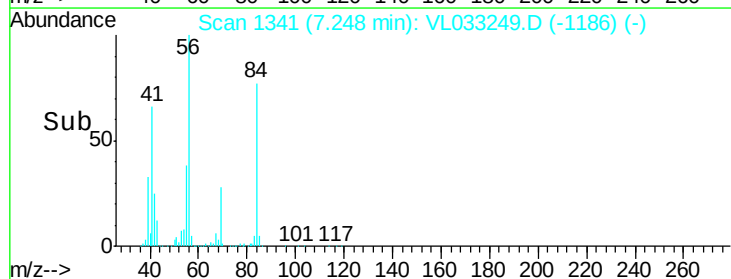
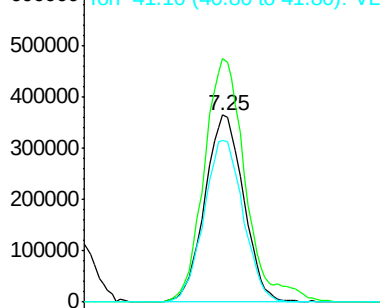
41 87.4 70.8 106.2

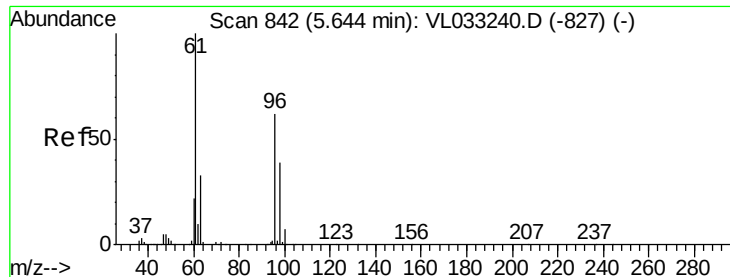


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

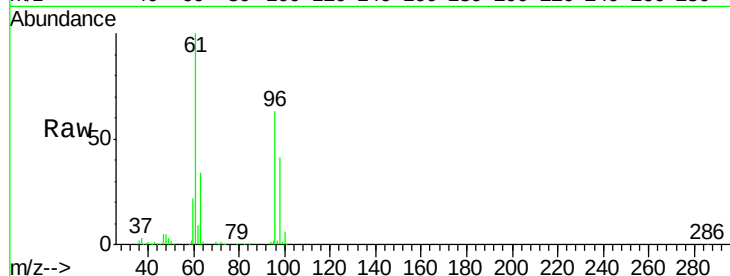




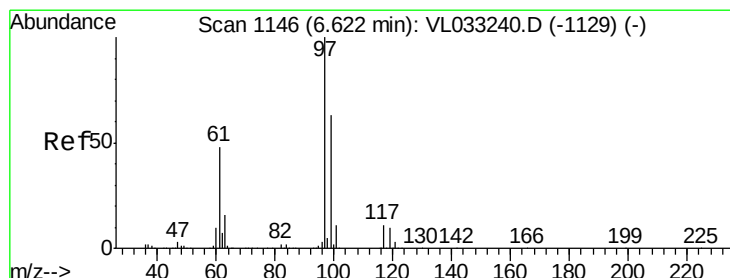
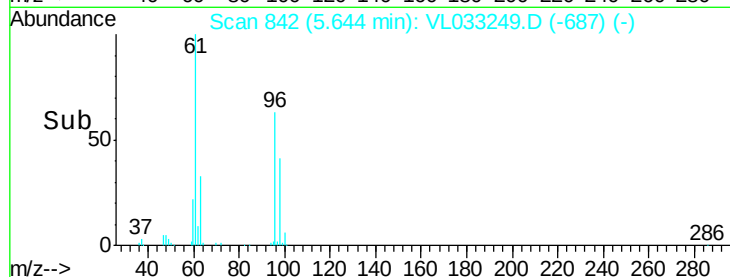
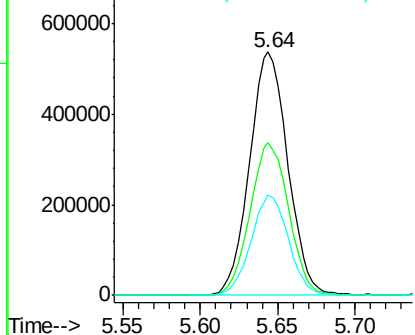
#31

cis-1,2-Dichloroethene
 Concen: 9.688 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: VL033249.D
 Acq: 6 Mar 2019 9:08

Tot Ion:	61	Resp:	928896
Ion	Ratio	Lower	Upper
61	100		
96	62.9	49.4	74.0
98	41.0	31.2	46.8



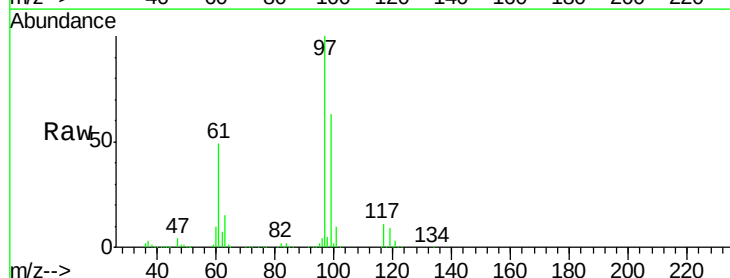
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



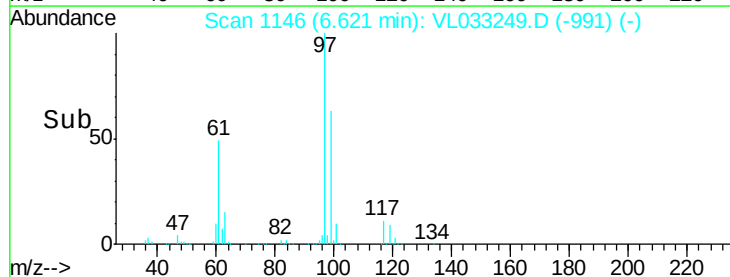
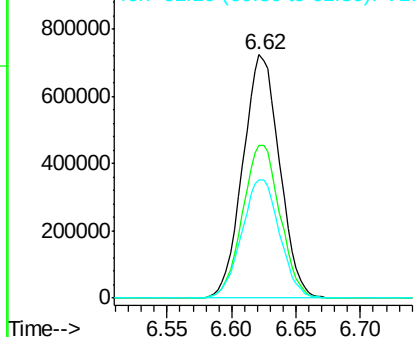
#32

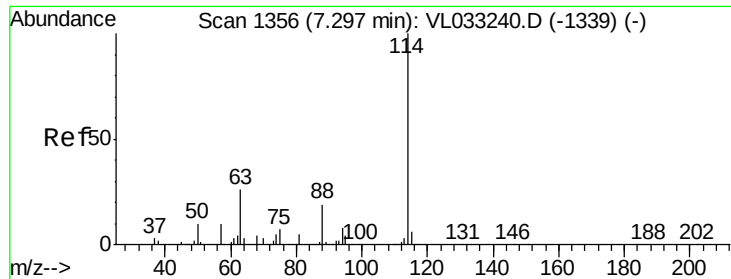
1,1,1-Trichloroethane
 Concen: 9.594 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VL033249.D
 Acq: 6 Mar 2019 9:08

Tgt Ion:	97	Resp:	1436918
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	50.4	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: VL033249.D

Acq: 6 Mar 2019 9:08

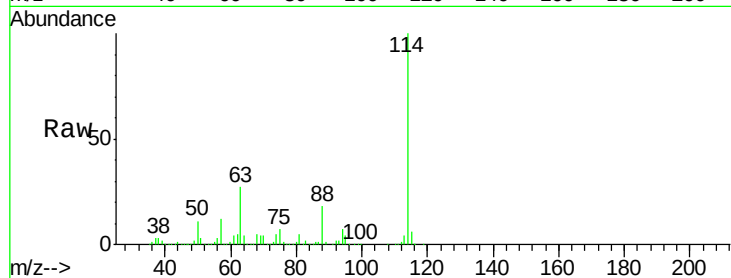
Tot Ion:114 Resp: 2061859

Ion Ratio Lower Upper

114 100

63 27.5 22.0 33.0

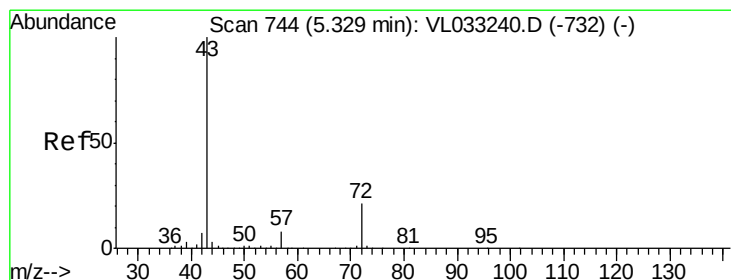
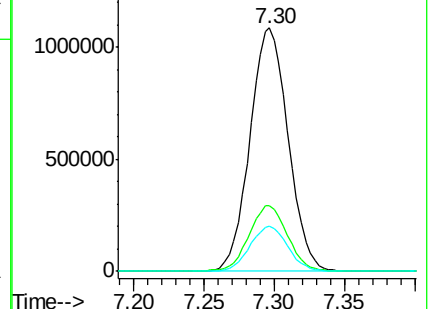
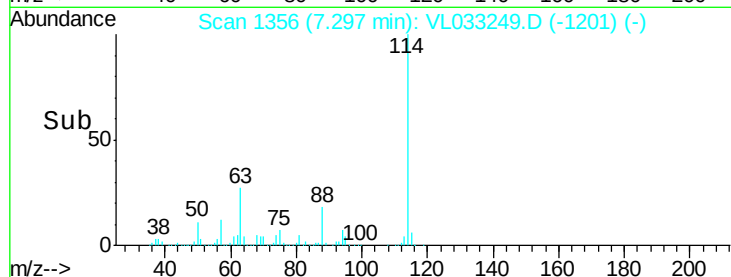
88 18.4 15.0 22.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.200 ppbv

RT: 5.33 min Scan# 744

Delta R.T. -0.00 min

Lab File: VL033249.D

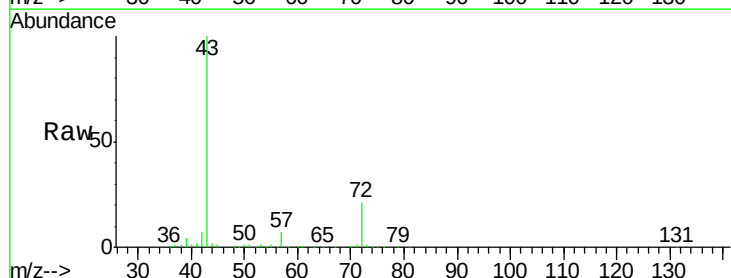
Acq: 6 Mar 2019 9:08

Tgt Ion: 43 Resp: 1314332

Ion Ratio Lower Upper

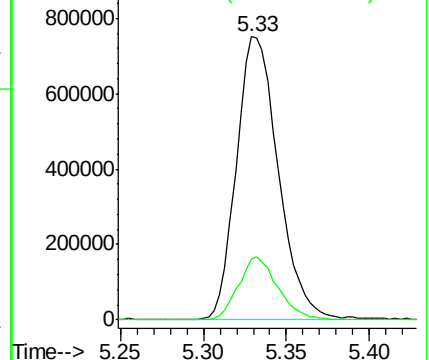
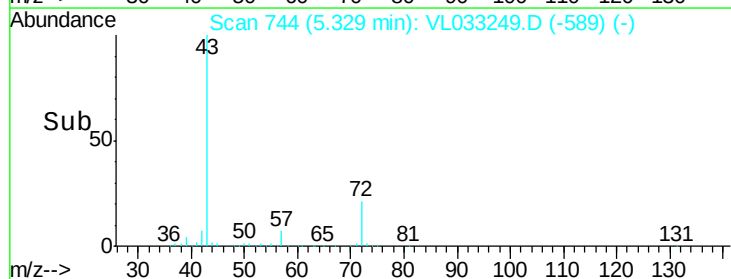
43 100

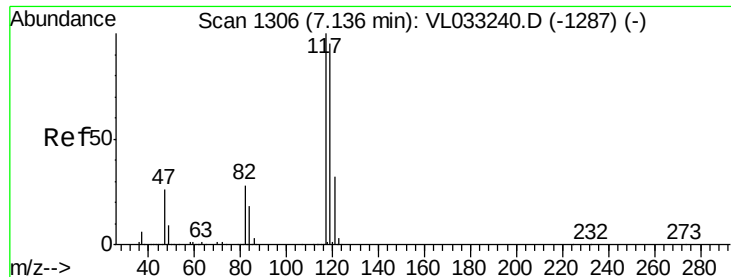
72 21.2 17.1 25.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.474 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

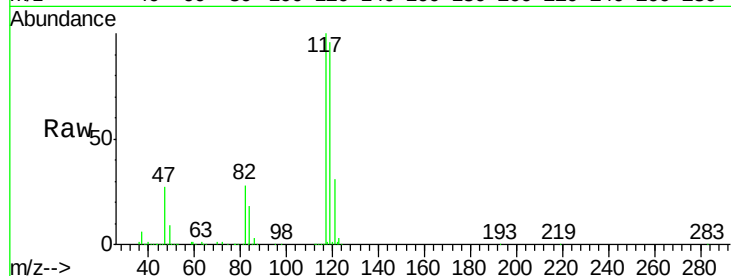
Tot Ion:117 Resp: 1477444

Ion Ratio Lower Upper

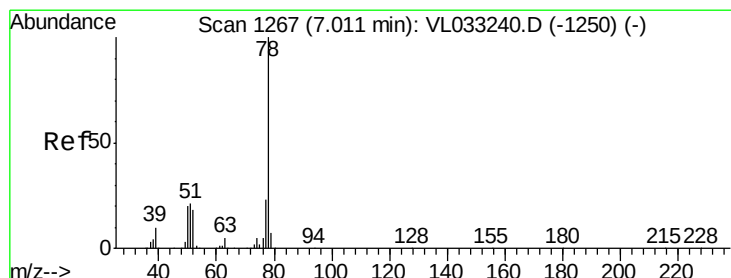
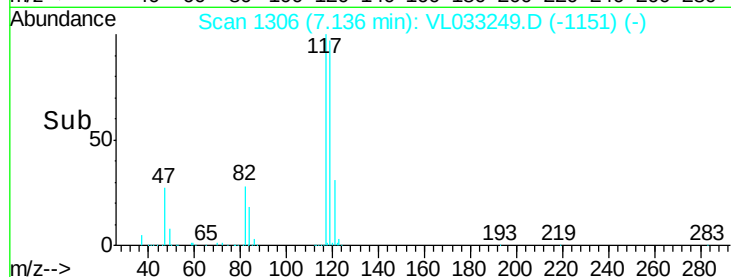
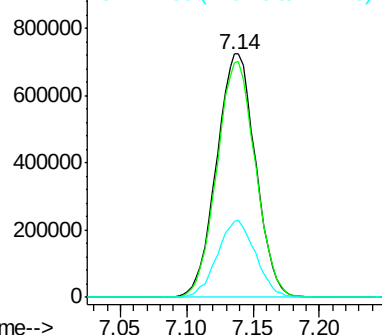
117 100

119 96.4 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: 9.588 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

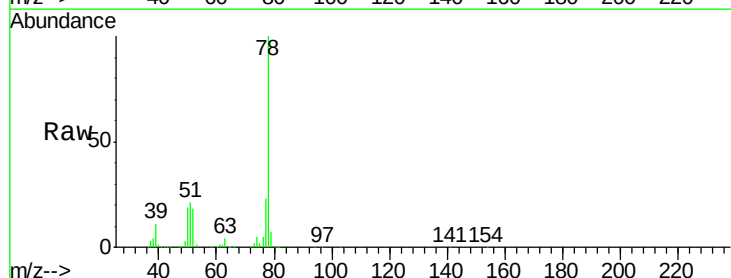
Tgt Ion: 78 Resp: 1855369

Ion Ratio Lower Upper

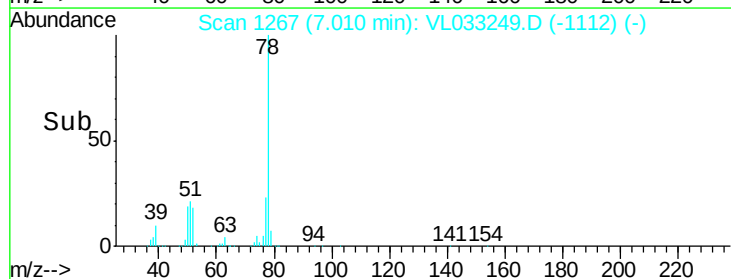
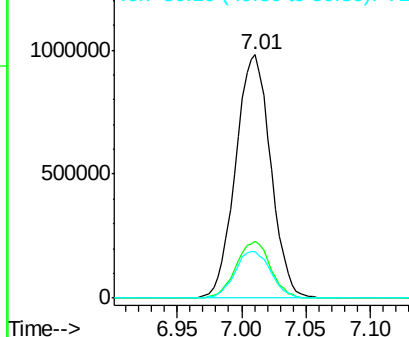
78 100

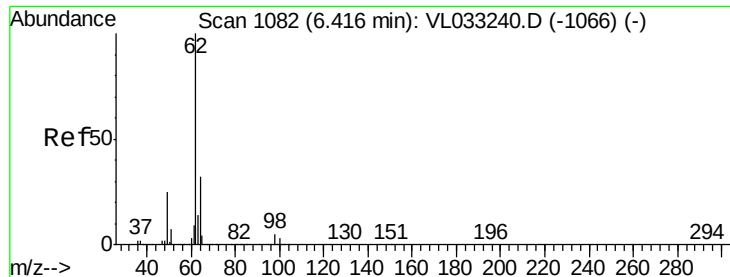
77 23.1 18.0 27.0

50 18.8 16.2 24.4



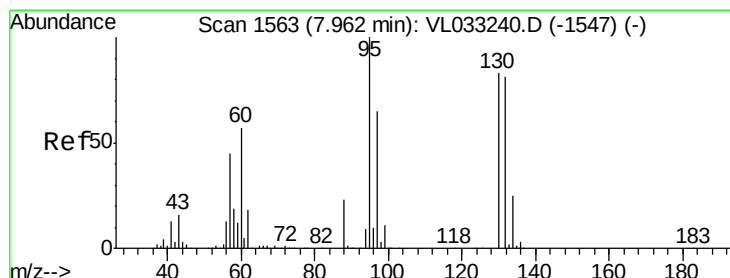
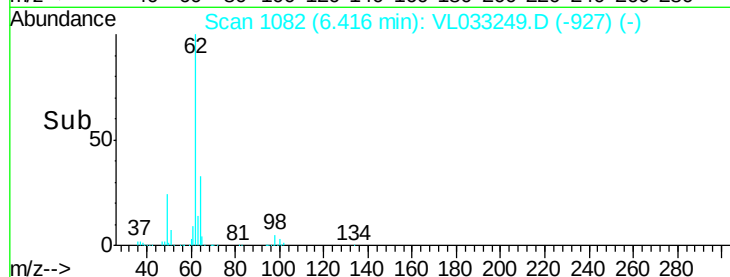
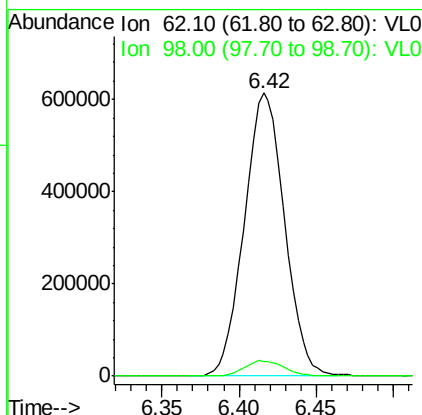
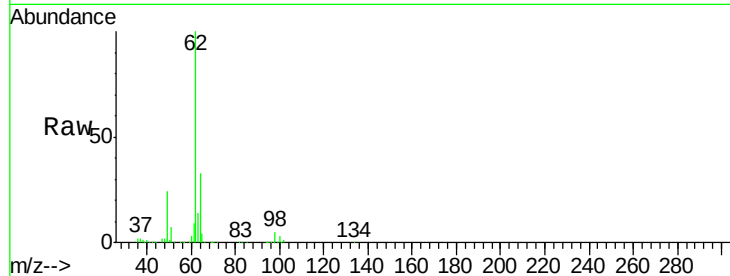
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





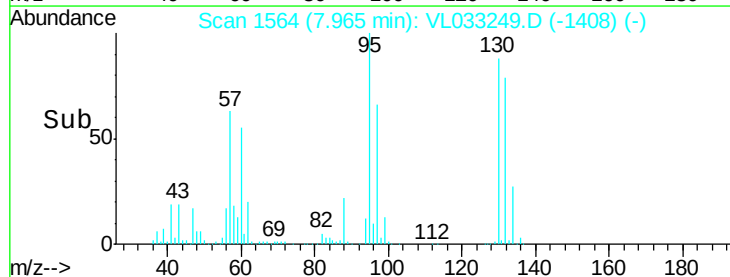
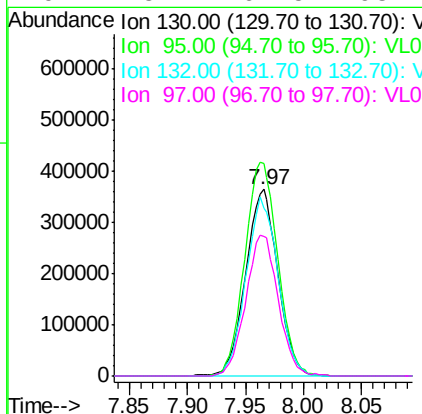
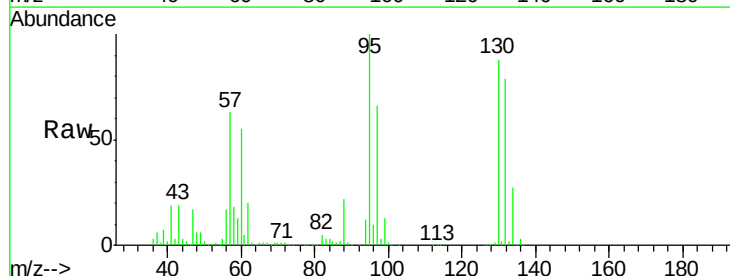
#37
 1,2-Dichloroethane
 Concen: 9.236 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. -0.00 min
 Lab File: VL033249.D
 Acq: 6 Mar 2019 9:08

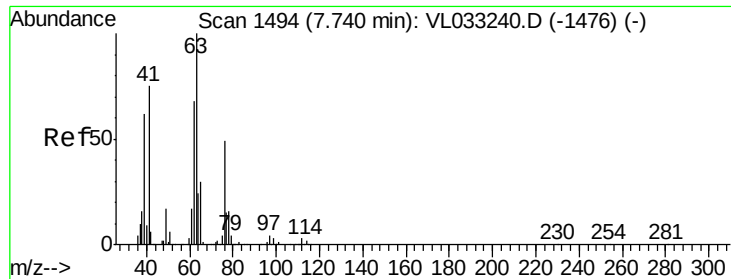
Tot Ion: 62 Resp: 1112473
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7



#38
 Trichloroethene
 Concen: 9.633 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL033249.D
 Acq: 6 Mar 2019 9:08

Tgt Ion: 130 Resp: 704023
 Ion Ratio Lower Upper
 130 100
 95 114.2 95.7 143.5
 132 90.4 77.4 116.2
 97 75.2 62.5 93.7





#39

1,2-Dichloropropane

Concen: 9.273 ppbv

RT: 7.74 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

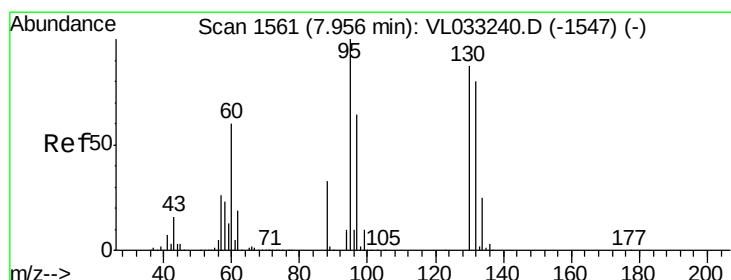
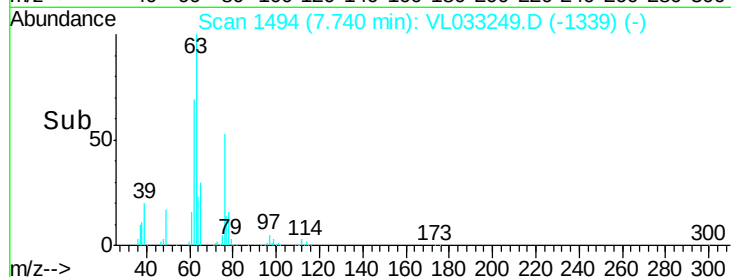
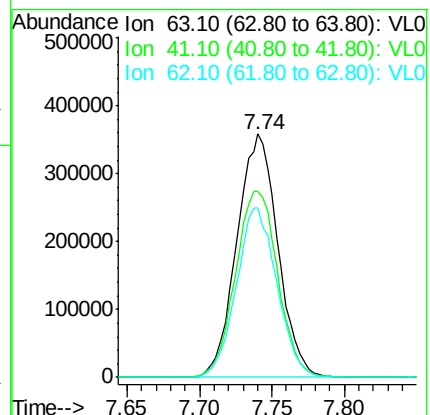
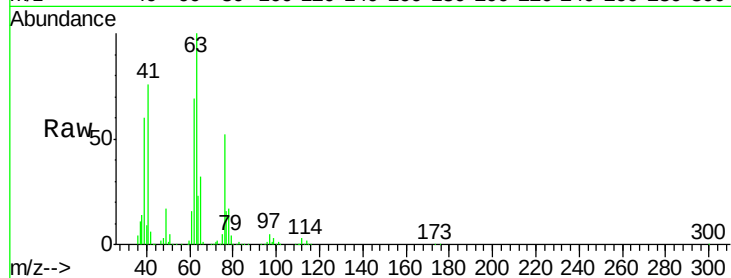
Tot Ion: 63 Resp: 700619

Ion Ratio Lower Upper

63 100

41 76.3 60.0 90.0

62 69.2 54.2 81.4



#40

1,4-Dioxane

Concen: 8.382 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

Tgt Ion: 88 Resp: 234959

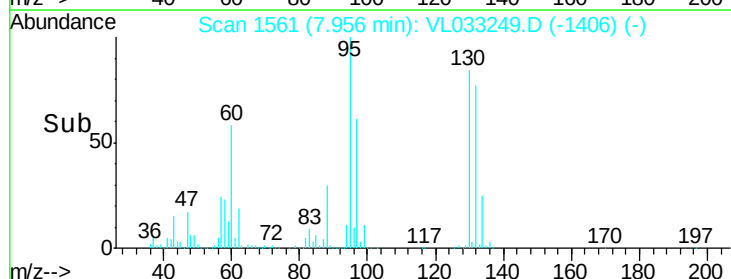
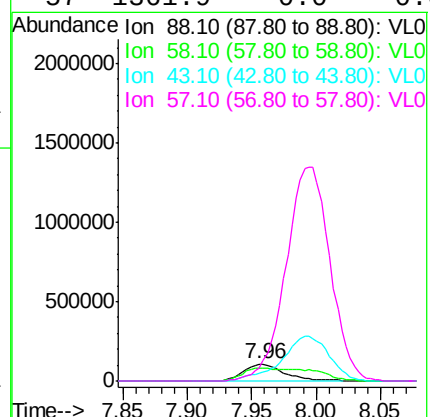
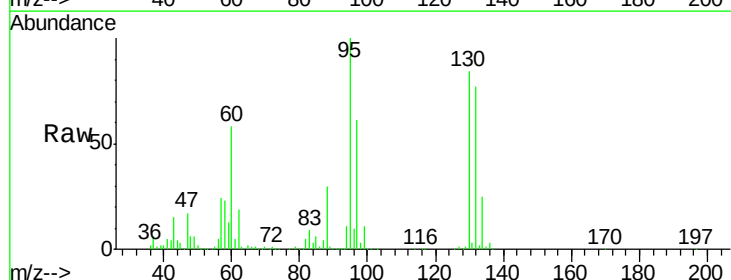
Ion Ratio Lower Upper

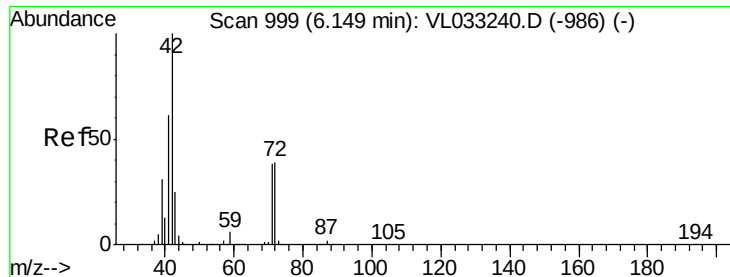
88 100

58 138.7 105.1 157.7

43 310.0 0.0 0.0#

57 1361.9 0.0 0.0#





#41

Tetrahydrofuran

Concen: 9.650 ppbv

RT: 6.15 min Scan# 999

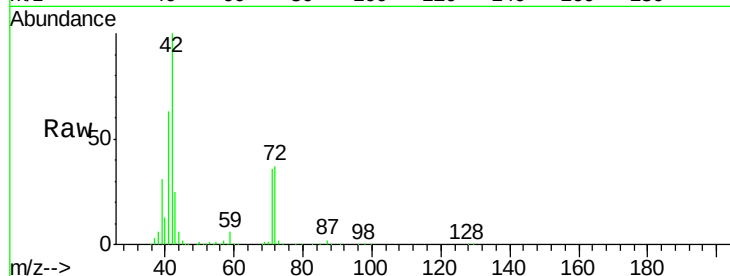
Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

Tot Ion: 42 Resp: 757446

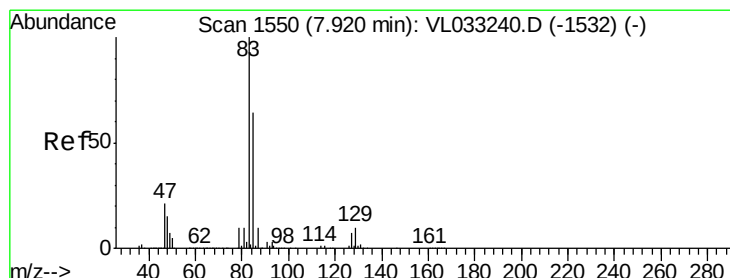
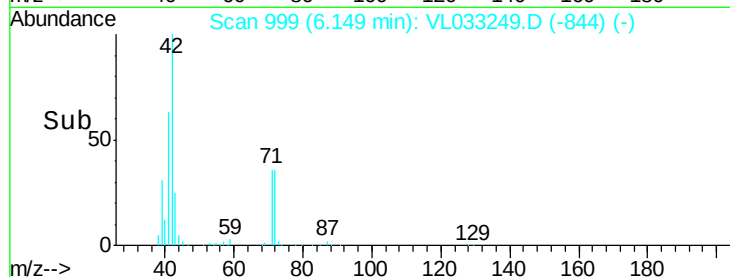
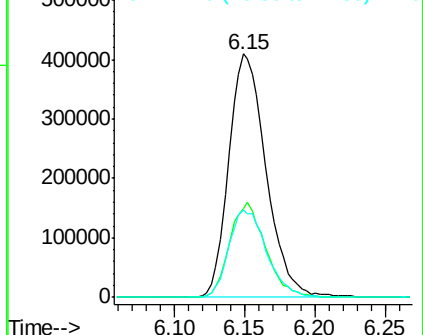
Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.2	45.4
71	36.8	29.6	44.4



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: 9.651 ppbv

RT: 7.92 min Scan# 1550

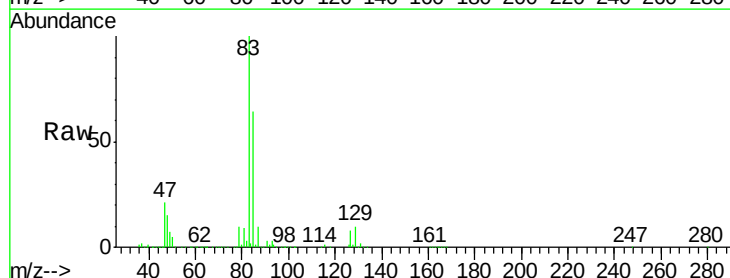
Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

Tgt Ion: 83 Resp: 1643792

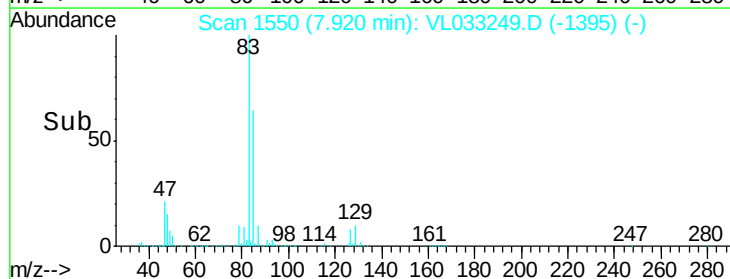
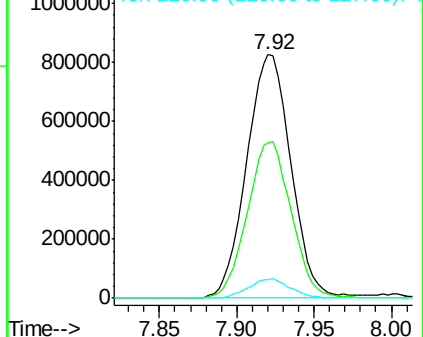
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.5	77.3
127	7.8	5.9	8.9

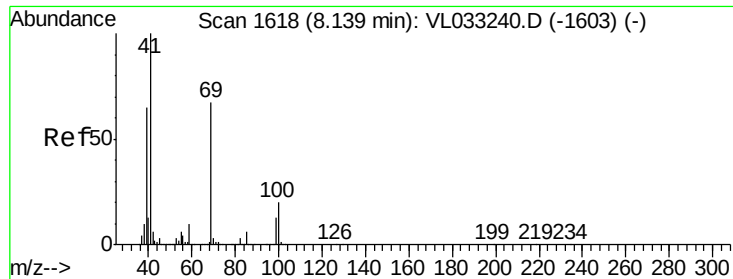


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 9.893 ppbv

RT: 8.14 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

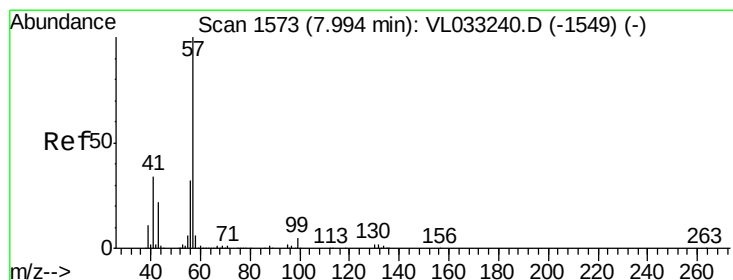
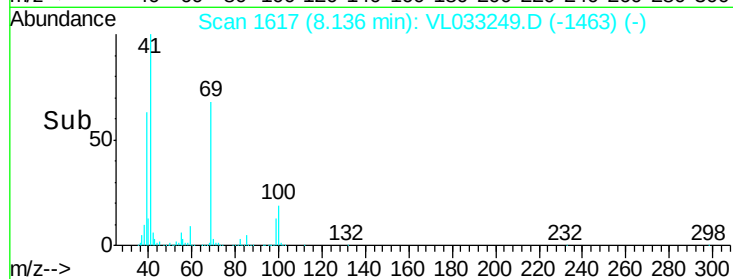
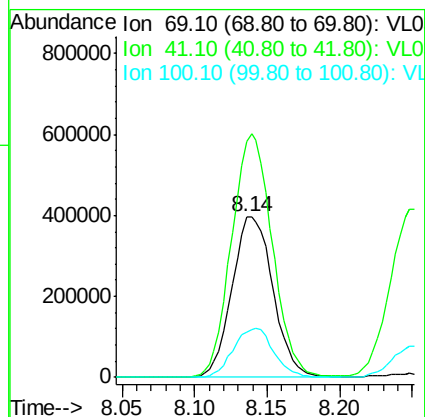
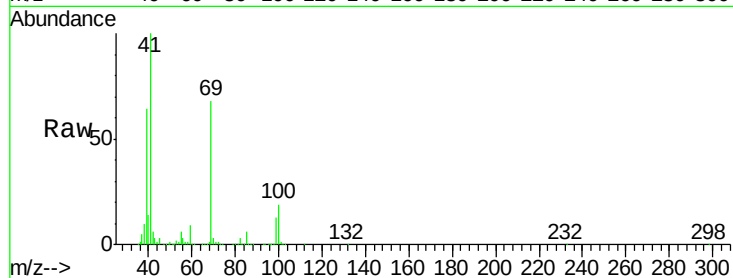
Tot Ion: 69 Resp: 774495

Ion Ratio Lower Upper

69 100

41 151.6 120.9 181.3

100 30.4 24.4 36.6



#44

2,2,4-Trimethylpentane

Concen: 9.344 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

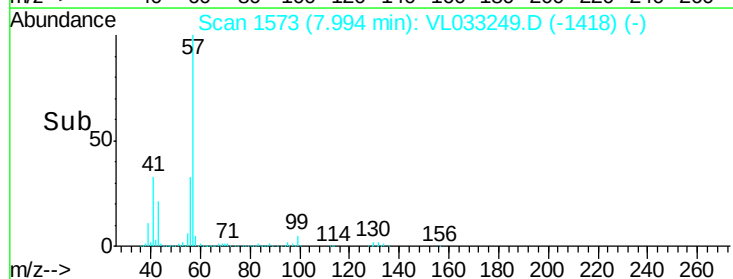
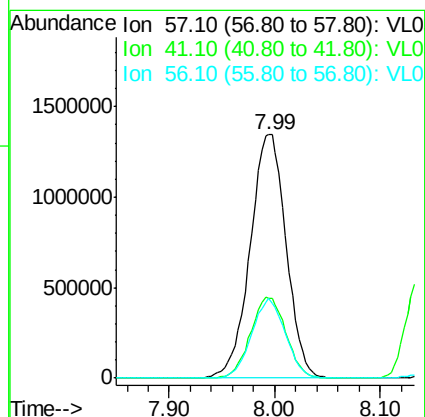
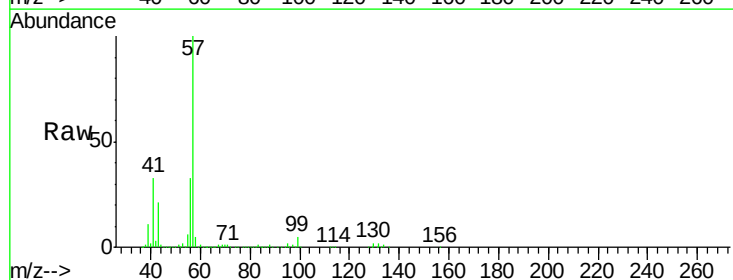
Tgt Ion: 57 Resp: 3197651

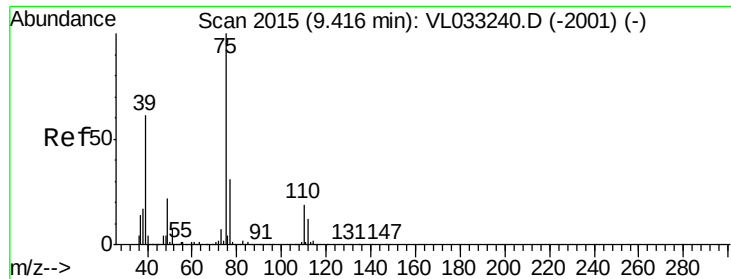
Ion Ratio Lower Upper

57 100

41 32.9 26.1 39.1

56 30.7 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 10.875 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VL033249.D

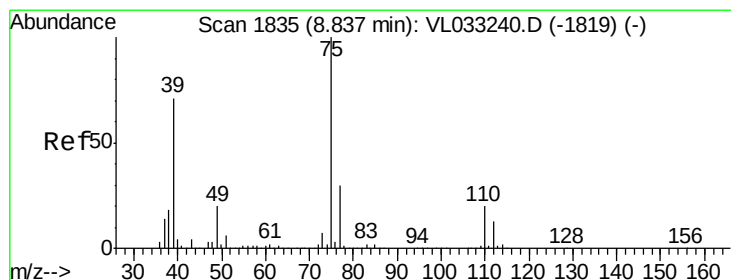
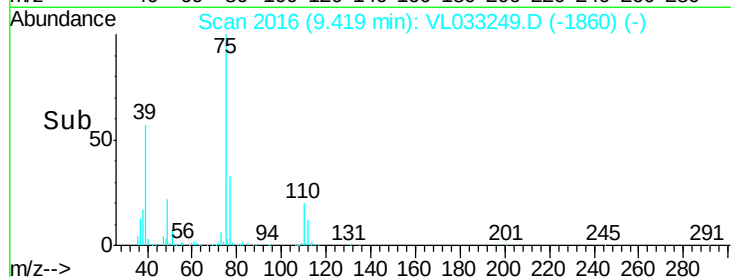
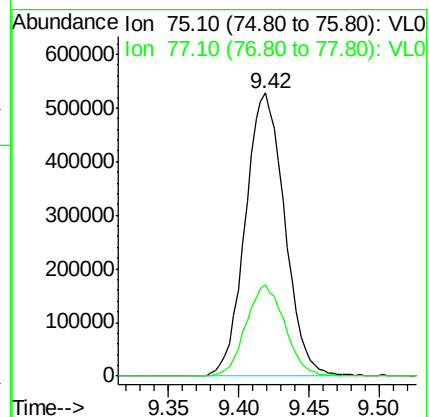
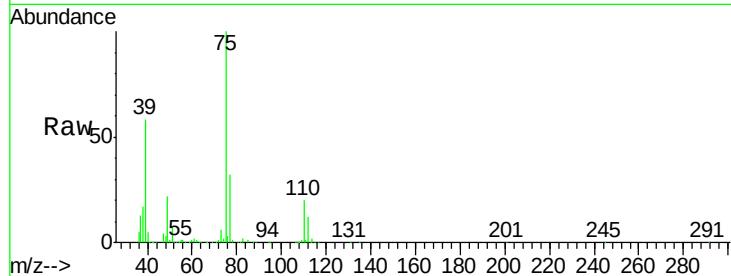
Acq: 6 Mar 2019 9:08

Tot Ion: 75 Resp: 1030168

Ion Ratio Lower Upper

75 100

77 32.5 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 10.480 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

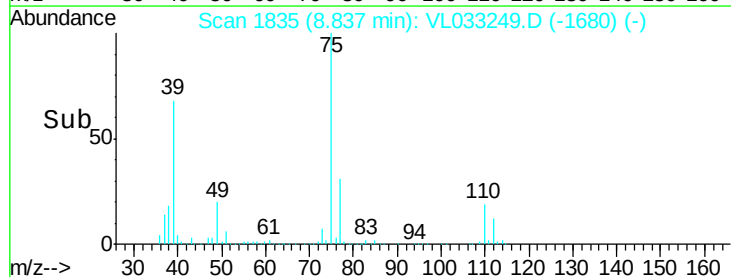
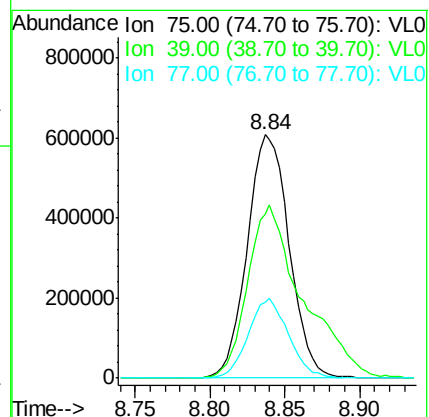
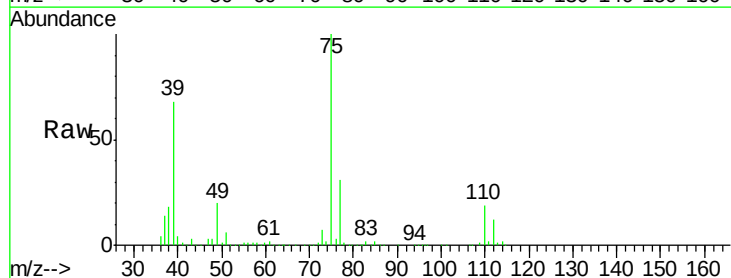
Tgt Ion: 75 Resp: 1184323

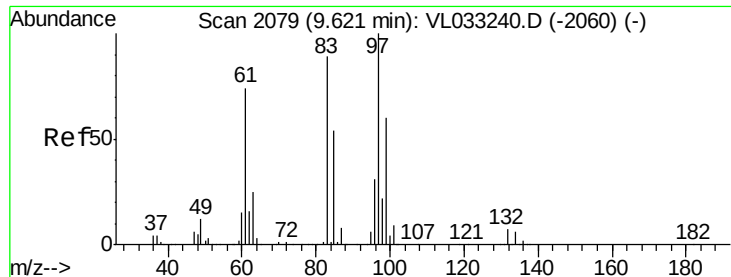
Ion Ratio Lower Upper

75 100

39 67.7 57.0 85.6

77 31.2 24.0 36.0

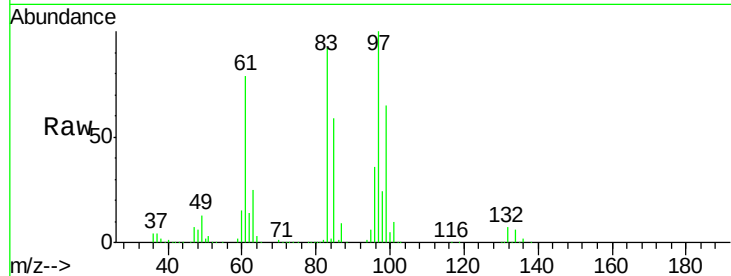




#47
 1,1,2-Trichloroethane
 Concen: 9.282 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VL033249.D
 Acq: 6 Mar 2019 9:08

Tot Ion: 97 Resp: 754753

Ion	Ratio	Lower	Upper
97	100		
83	92.3	71.1	106.7
85	58.2	42.9	64.3
99	65.5	48.2	72.4

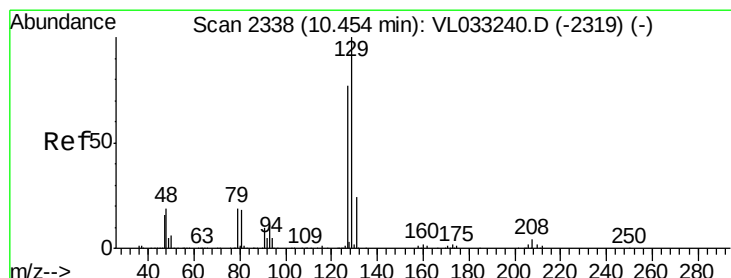
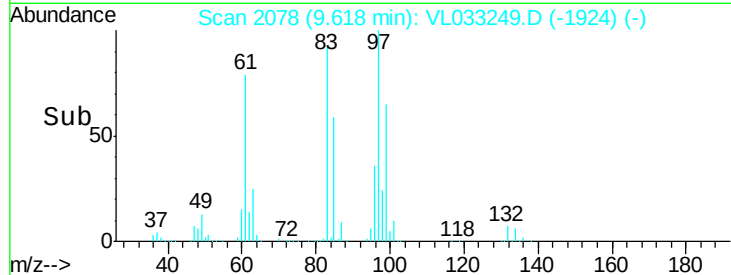
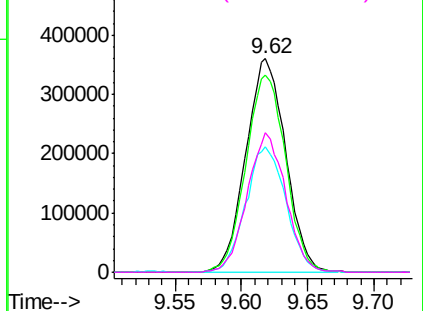


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

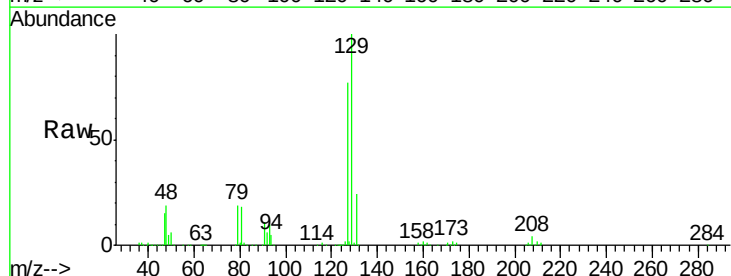
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.090 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL033249.D
 Acq: 6 Mar 2019 9:08

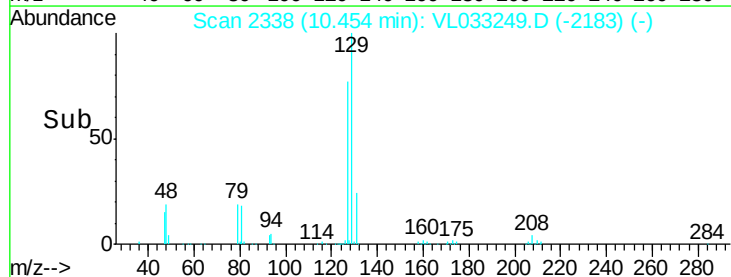
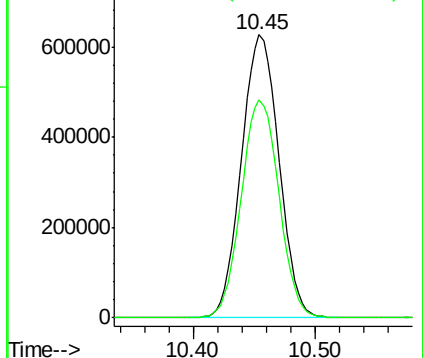
Tgt Ion: 129 Resp: 1328944

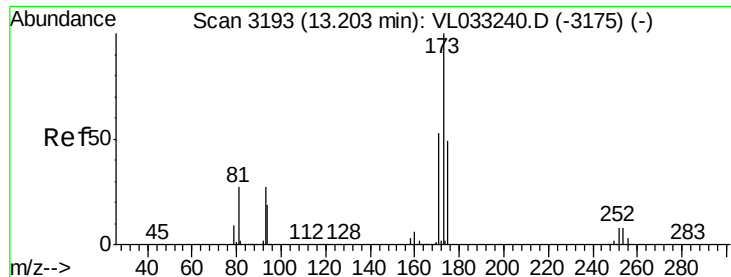
Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.0	117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.245 ppbv

RT: 13.21 min Scan# 3194

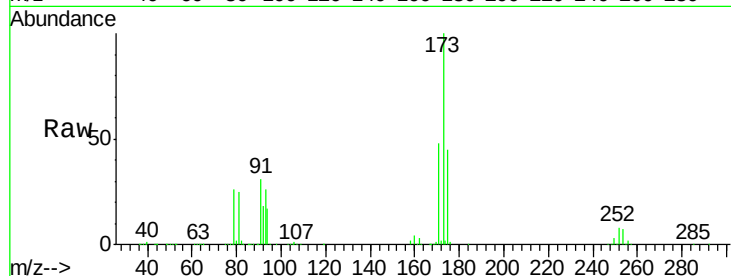
Delta R.T. 0.00 min

Lab File: VL033249.D

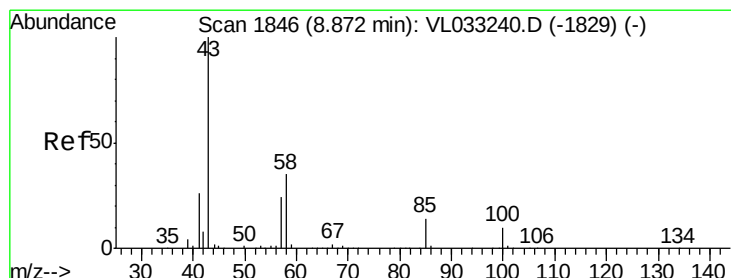
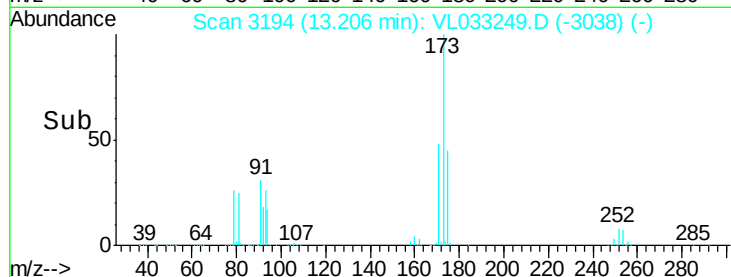
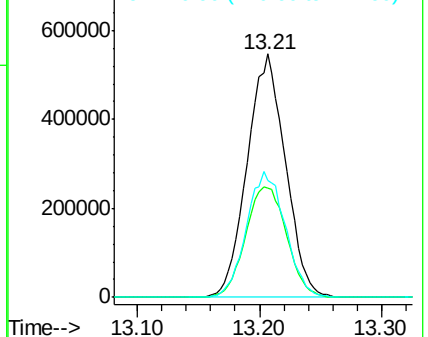
Acq: 6 Mar 2019 9:08

Tot Ion:173 Resp: 1182787

Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.9	58.3
171	52.4	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: 9.514 ppbv

RT: 8.87 min Scan# 1846

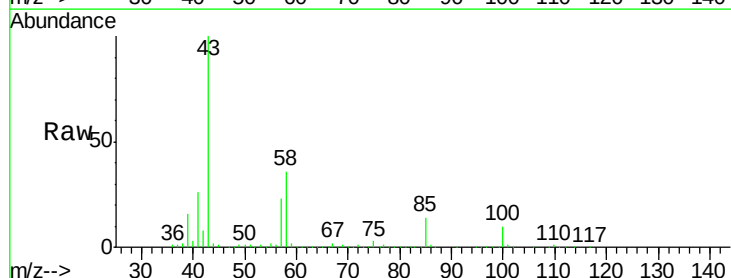
Delta R.T. -0.00 min

Lab File: VL033249.D

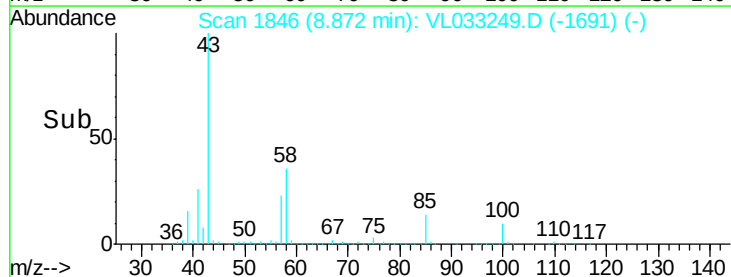
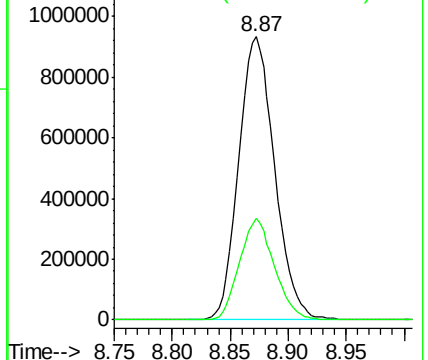
Acq: 6 Mar 2019 9:08

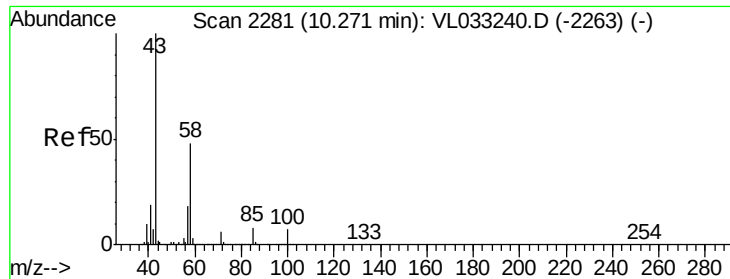
Tgt Ion: 43 Resp: 2010511

Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.8	41.6



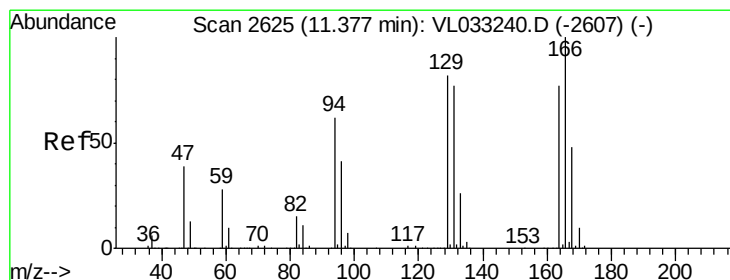
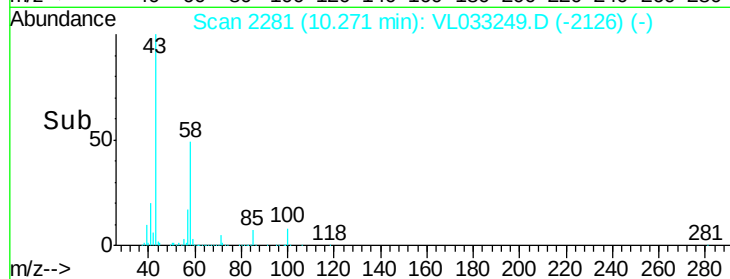
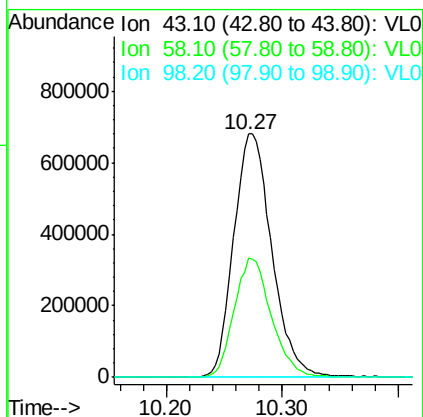
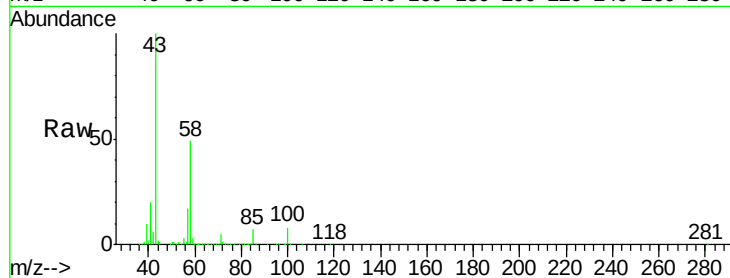
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





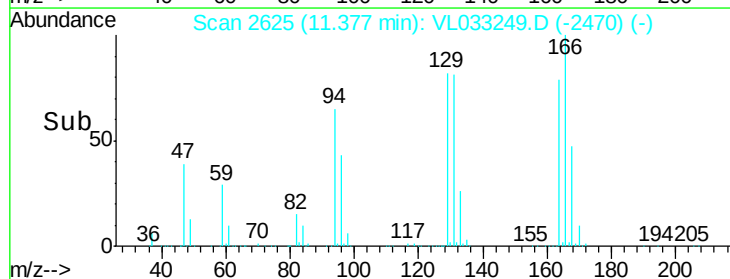
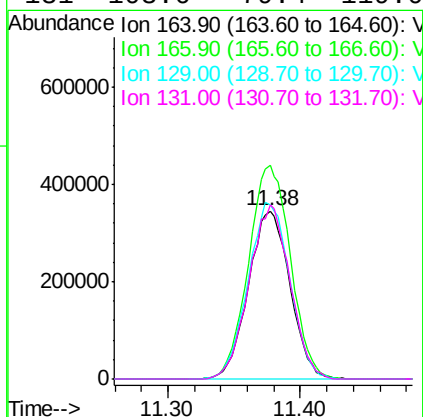
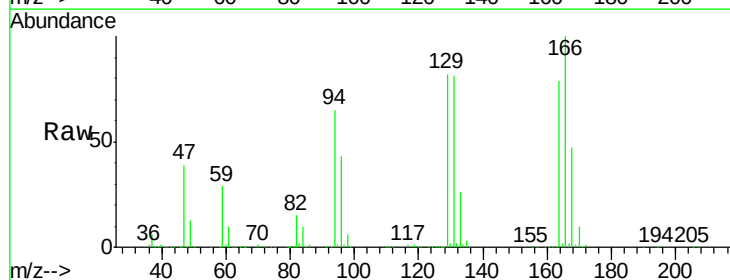
#51
2-Hexanone
Concen: 9.784 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033249.D
Acq: 6 Mar 2019 9:08

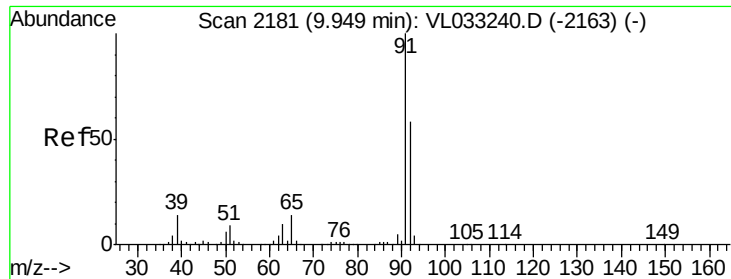
Tot Ion: 43 Resp: 1546477
Ion Ratio Lower Upper
43 100
58 47.9 38.2 57.2
98 0.1 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.441 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033249.D
Acq: 6 Mar 2019 9:08

Tgt Ion:164 Resp: 753005
Ion Ratio Lower Upper
164 100
166 127.2 103.3 154.9
129 104.0 84.4 126.6
131 103.6 79.4 119.0





#53

Toluene

Concen: 9.870 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL033249.D

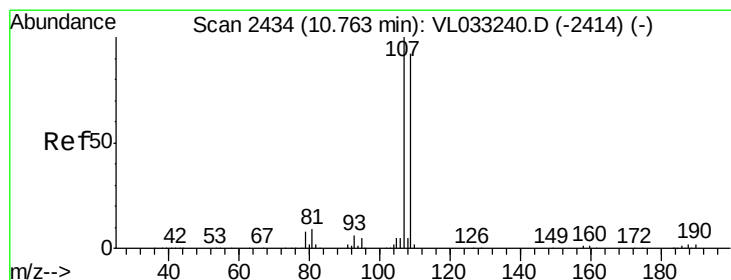
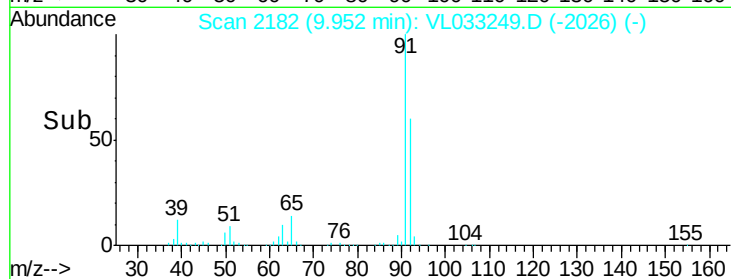
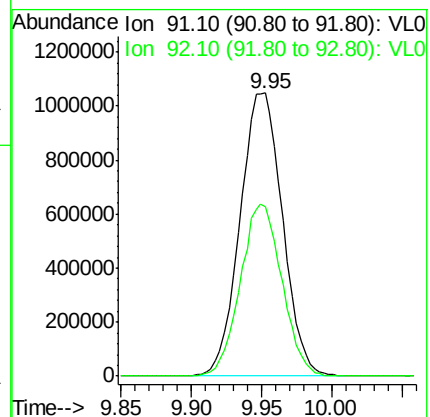
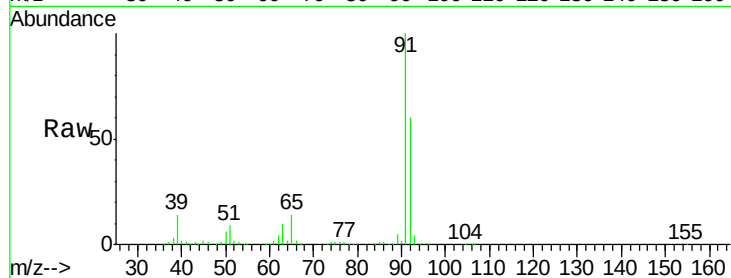
Acq: 6 Mar 2019 9:08

Tot Ion: 91 Resp: 2208369

Ion Ratio Lower Upper

91 100

92 59.6 47.4 71.2



#54

1,2-Dibromoethane

Concen: 10.825 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033249.D

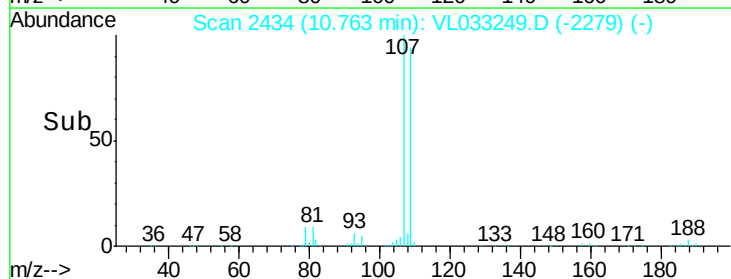
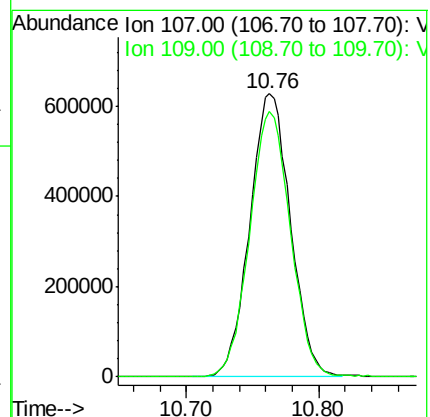
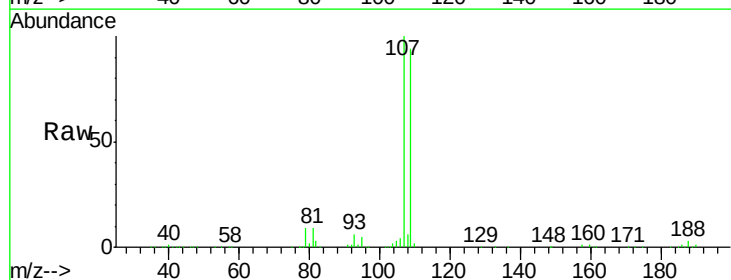
Acq: 6 Mar 2019 9:08

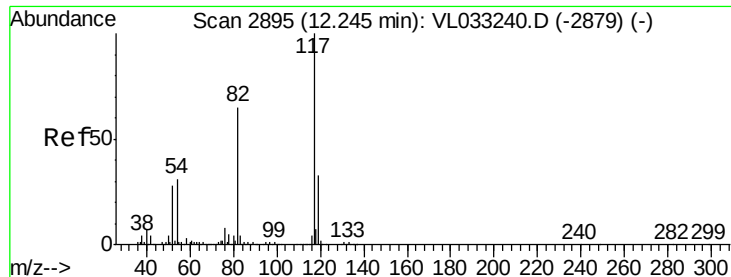
Tgt Ion: 107 Resp: 1337065

Ion Ratio Lower Upper

107 100

109 94.0 73.6 110.4

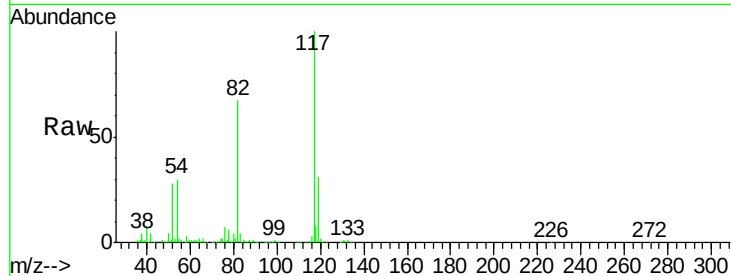




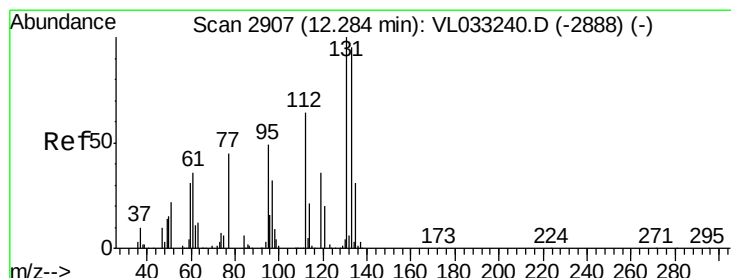
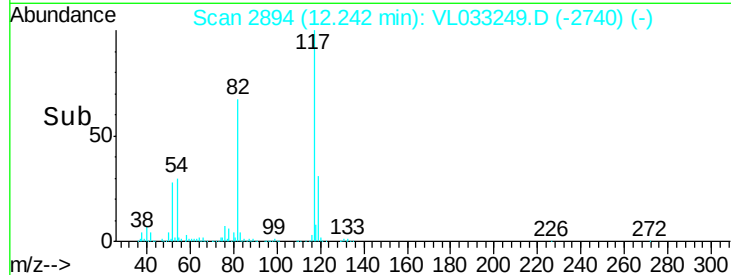
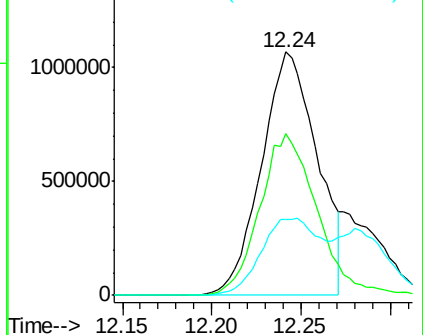
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033249.D
Acq: 6 Mar 2019 9:08

Tot Ion:117 Resp: 2323272

Ion	Ratio	Lower	Upper
117	100		
82	68.5	51.8	77.8
119	58.4	43.6	65.4



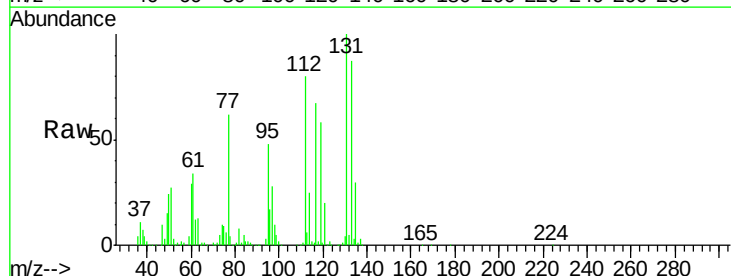
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



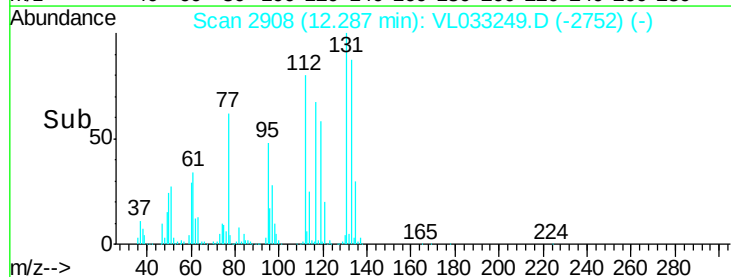
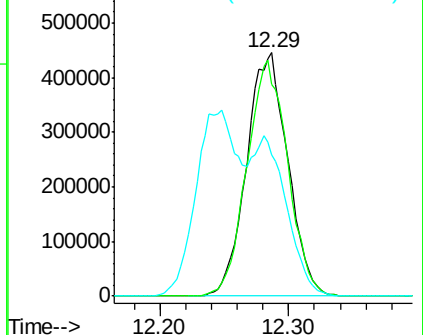
#56
1,1,1,2-Tetrachloroethane
Concen: 9.834 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL033249.D
Acq: 6 Mar 2019 9:08

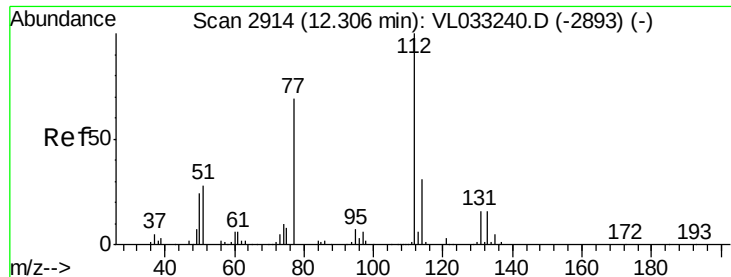
Tgt Ion:131 Resp: 991867

Ion	Ratio	Lower	Upper
131	100		
133	95.7	76.2	114.2
119	136.7	108.9	163.3



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





#57

Chlorobenzene

Concen: 9.489 ppbv

RT: 12.31 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

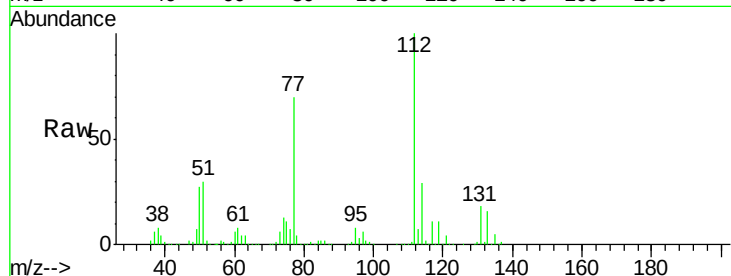
Tot Ion:112 Resp: 1716408

Ion Ratio Lower Upper

112 100

77 70.3 56.5 84.7

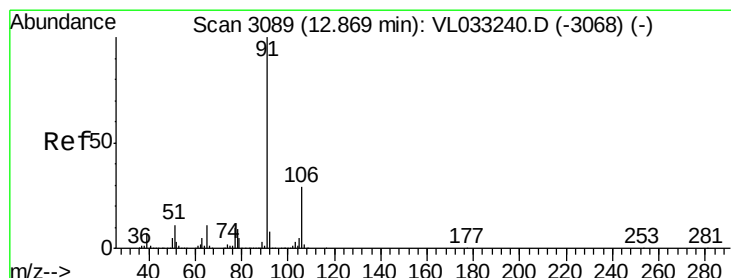
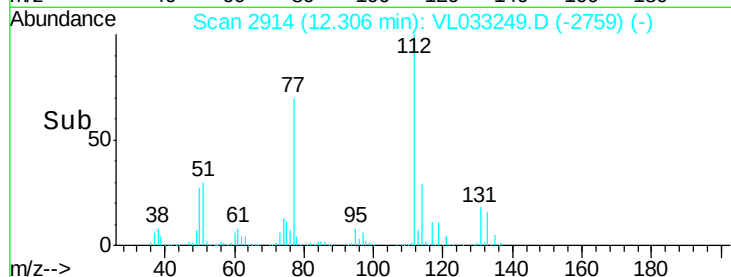
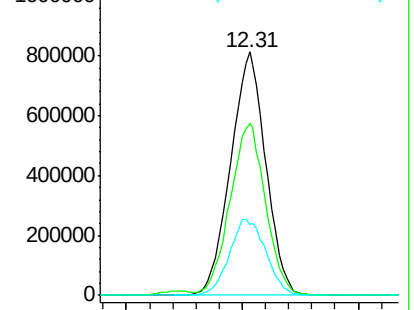
114 29.3 28.4 34.7



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: 10.140 ppbv m

RT: 12.87 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VL033249.D

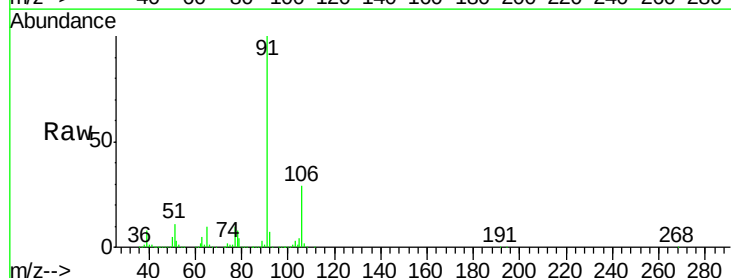
Acq: 6 Mar 2019 9:08

Tgt Ion: 91 Resp: 3258441

Ion Ratio Lower Upper

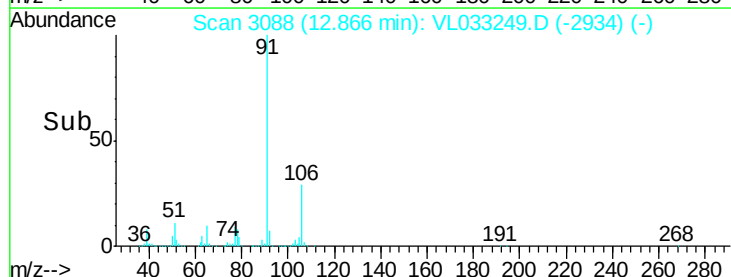
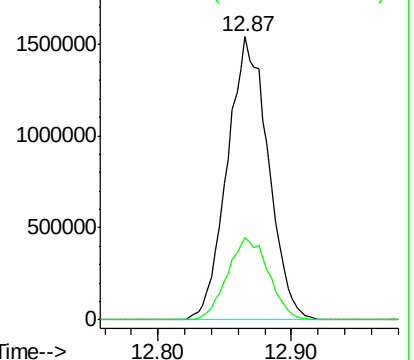
91 100

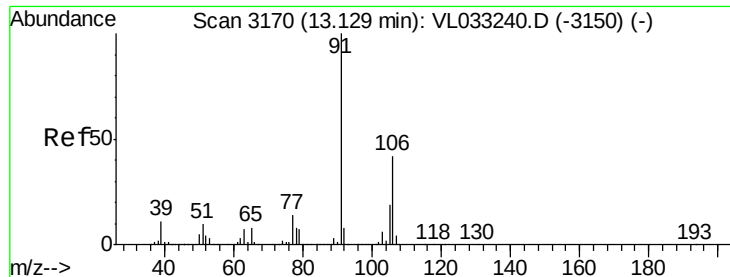
106 28.9 23.5 35.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 19.907 ppbv m

RT: 13.13 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VL033249.D

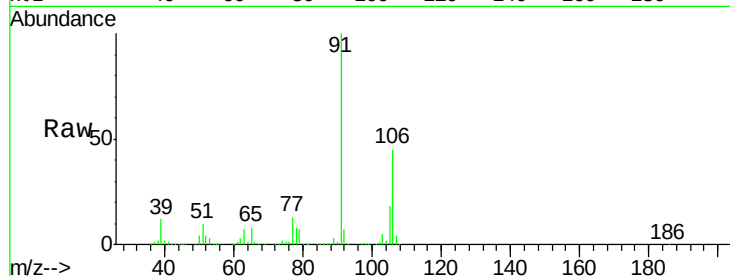
Acq: 6 Mar 2019 9:08

Tot Ion: 91 Resp: 5451327

Ion Ratio Lower Upper

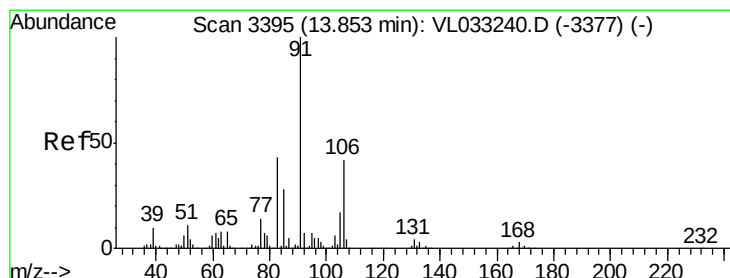
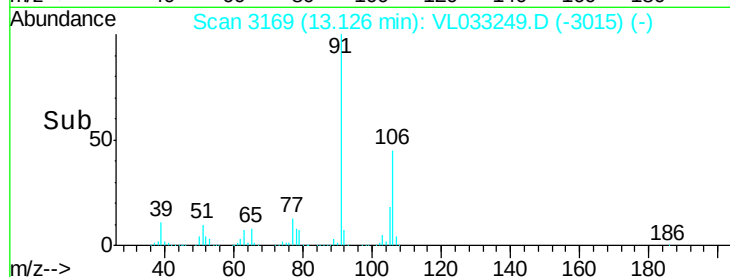
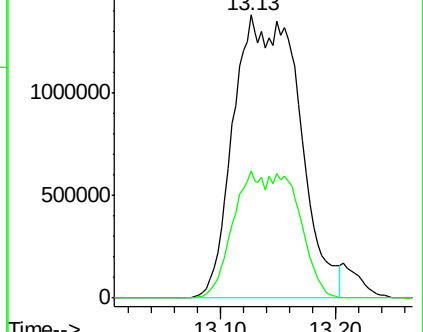
91 100

106 43.5 35.6 53.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 9.825 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VL033249.D

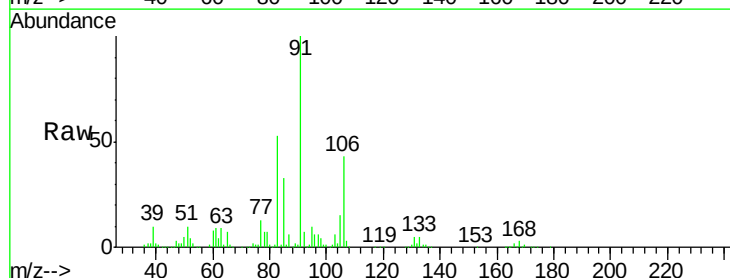
Acq: 6 Mar 2019 9:08

Tgt Ion: 91 Resp: 2565478

Ion Ratio Lower Upper

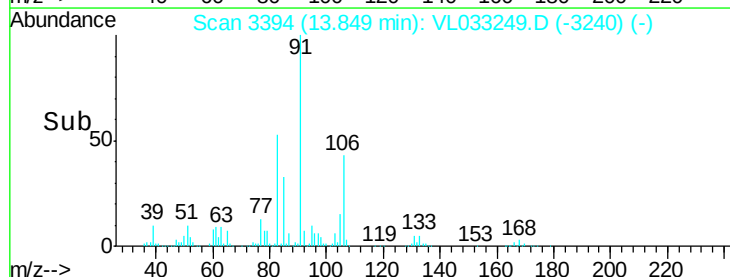
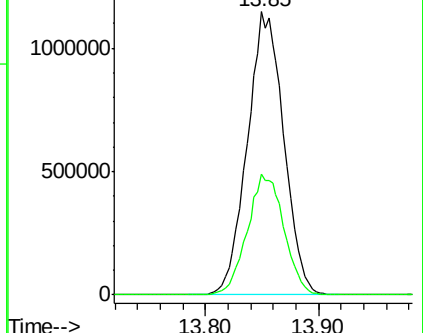
91 100

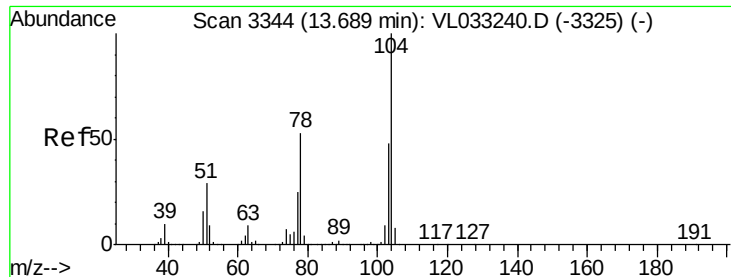
106 42.7 21.4 64.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 10.509 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

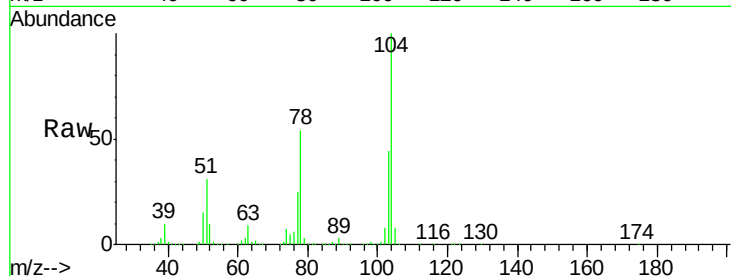
Tot Ion:104 Resp: 1929666

Ion	Ratio	Lower	Upper
104	100		
78	54.6	43.7	65.5
103	47.3	38.2	57.2

104 100

78 54.6 43.7 65.5

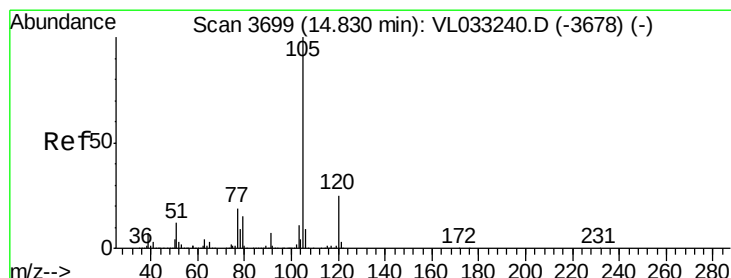
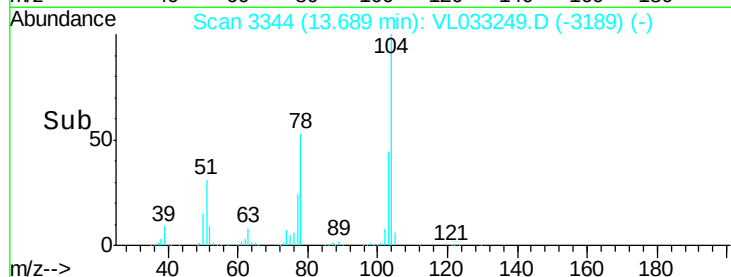
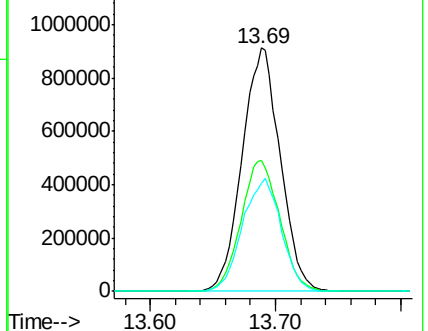
103 47.3 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.747 ppbv

RT: 14.83 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VL033249.D

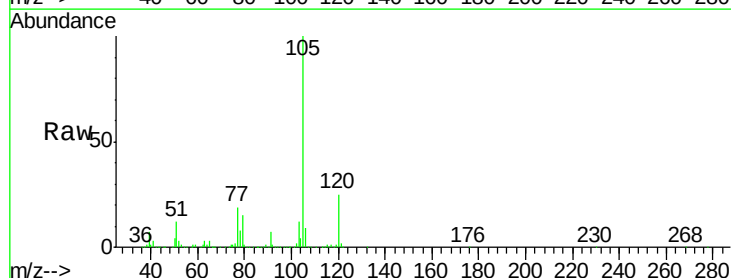
Acq: 6 Mar 2019 9:08

Tgt Ion:105 Resp: 3547976

Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.1	30.1

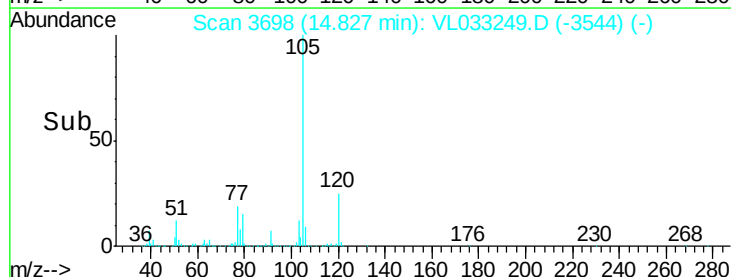
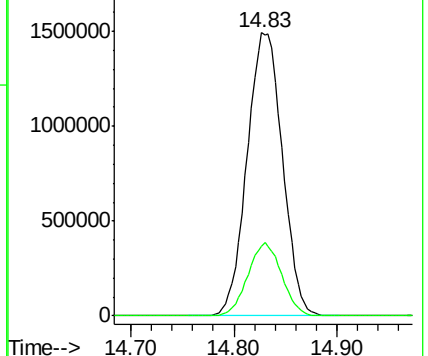
105 100

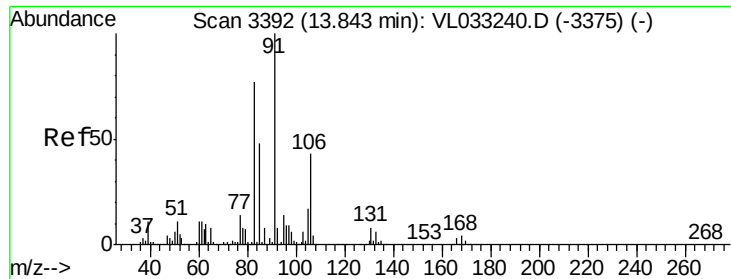
120 24.7 20.1 30.1



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: 8.978 ppbv m

RT: 13.84 min Scan# 3392

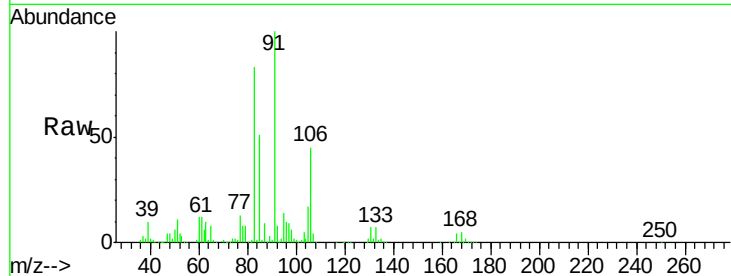
Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

Tot Ion: 83 Resp: 1668017

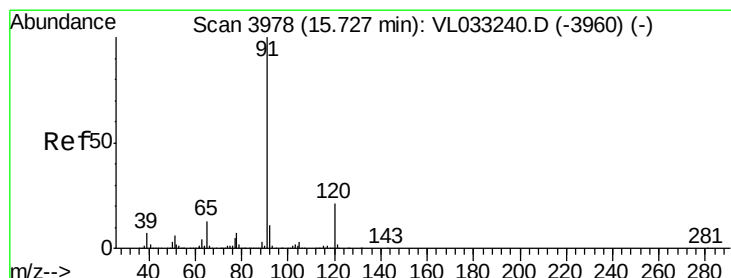
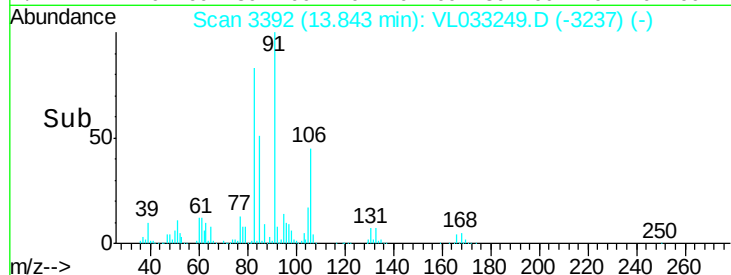
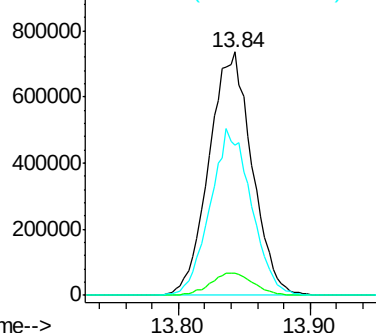
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	65.5	32.6	97.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.790 ppbv

RT: 15.73 min Scan# 3978

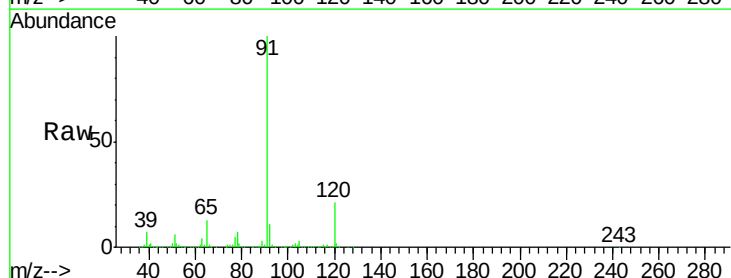
Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

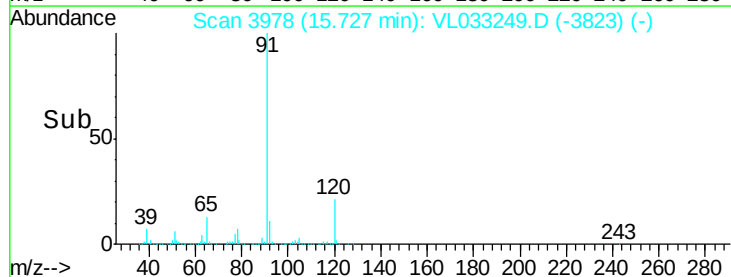
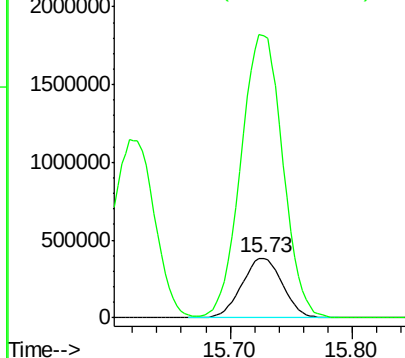
Tgt Ion:120 Resp: 883460

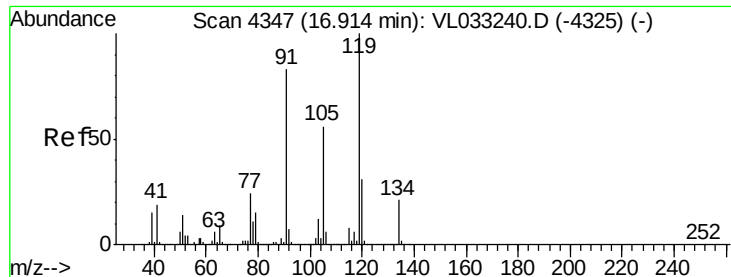
Ion	Ratio	Lower	Upper
120	100		
91	488.3	392.2	588.4



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.547 ppbv

RT: 16.91 min Scan# 4346

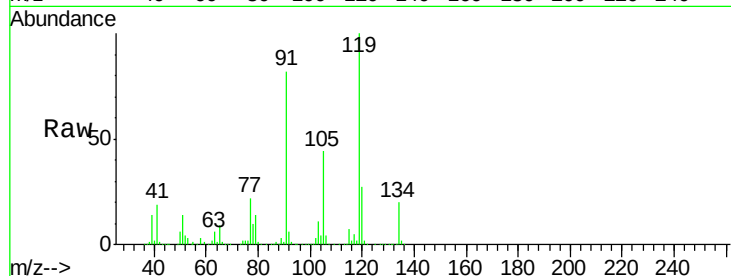
Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

Tot Ion:119 Resp: 2967030

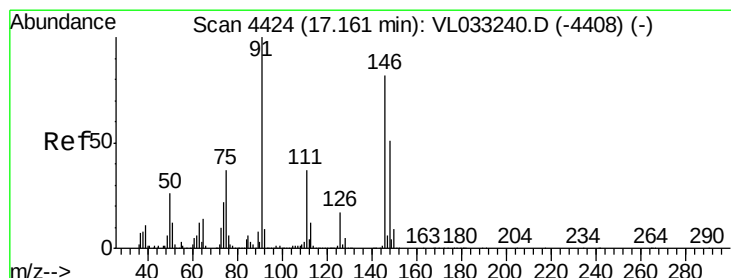
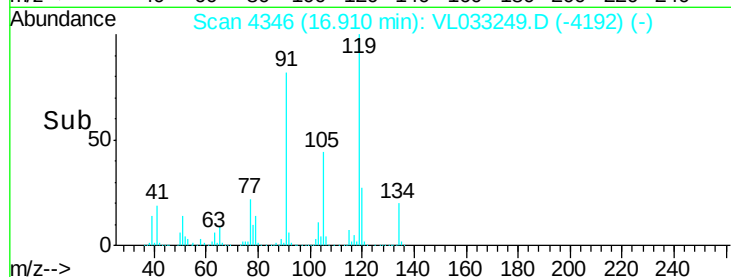
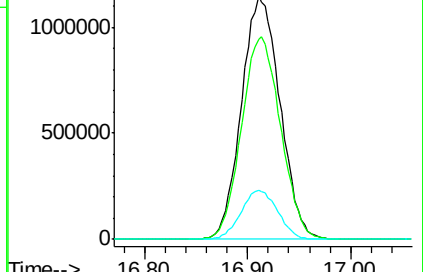
Ion	Ratio	Lower	Upper
119	100		
91	84.7	67.0	100.4
134	19.3	15.4	23.2



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: 12.175 ppbv

RT: 17.16 min Scan# 4424

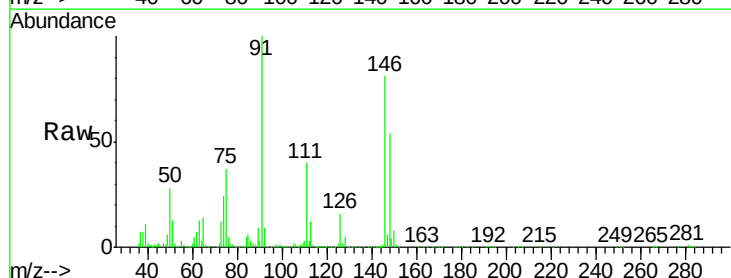
Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

Tgt Ion: 91 Resp: 1463627

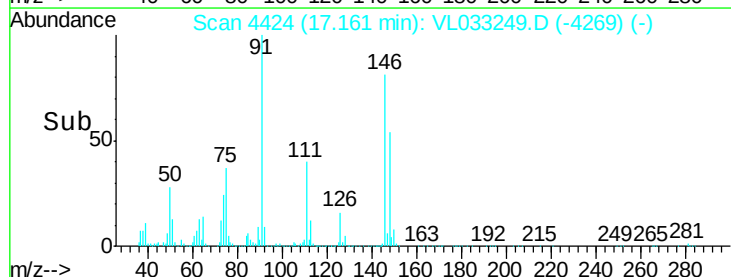
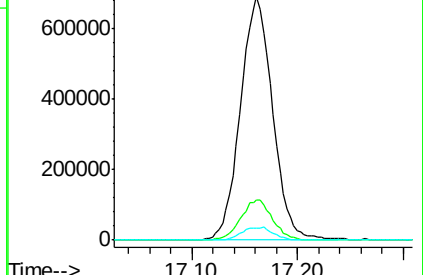
Ion	Ratio	Lower	Upper
91	100		
126	16.3	13.4	20.0
128	5.2	4.2	6.2

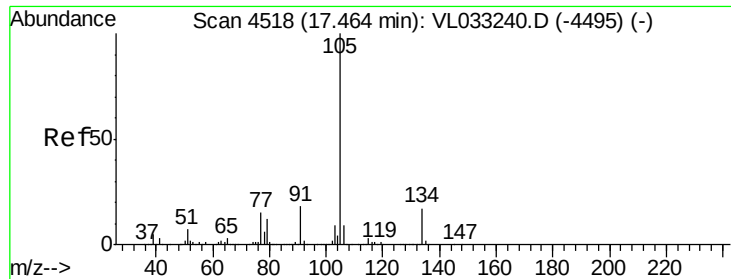


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.645 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.00 min

Lab File: VL033249.D

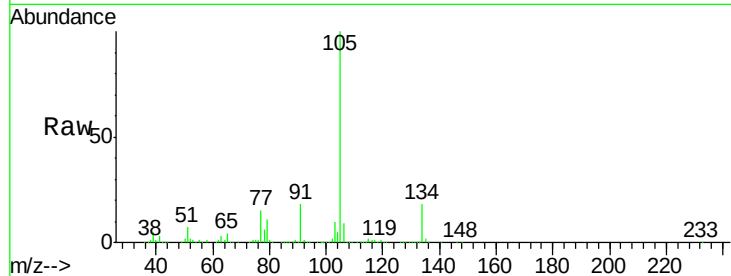
Acq: 6 Mar 2019 9:08

Tot Ion:105 Resp: 4273448

Ion Ratio Lower Upper

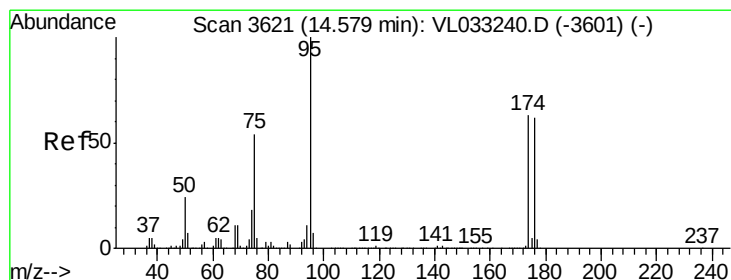
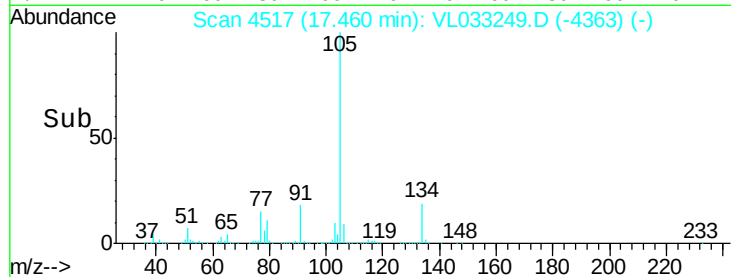
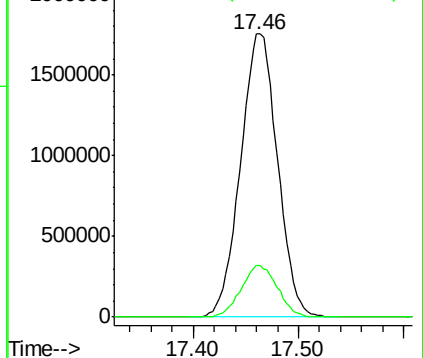
105 100

134 18.0 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.341 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

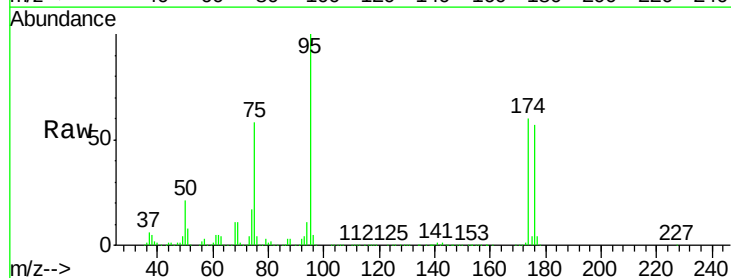
Tgt Ion: 95 Resp: 1823087

Ion Ratio Lower Upper

95 100

174 64.2 51.0 76.4

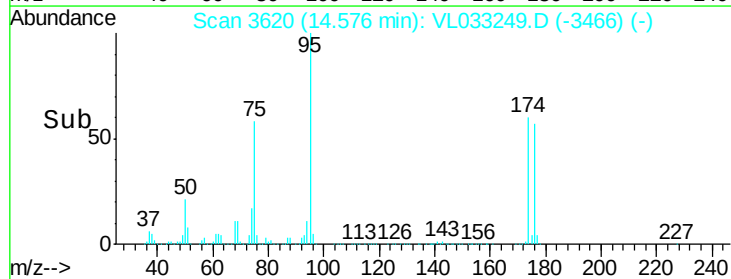
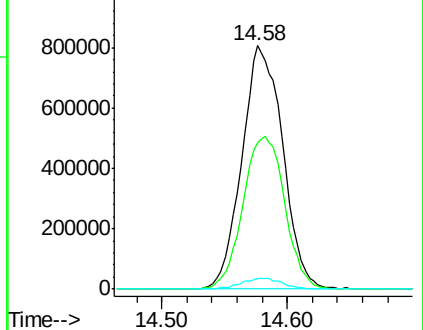
175 4.6 3.8 5.6

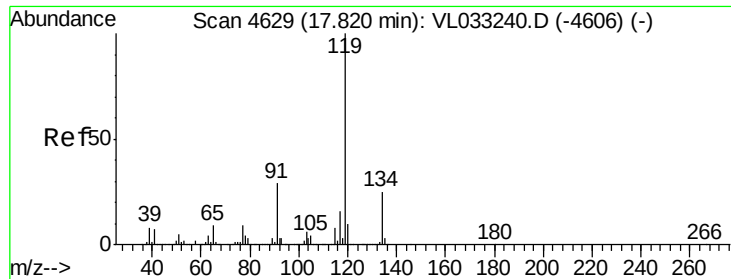


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

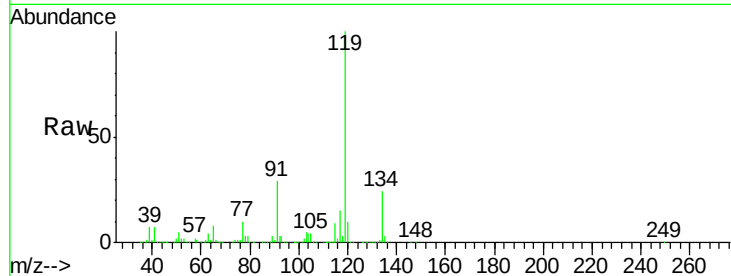




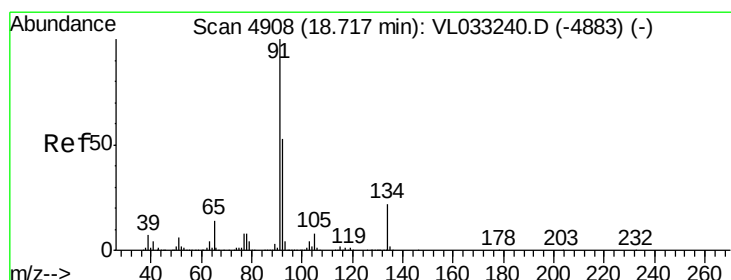
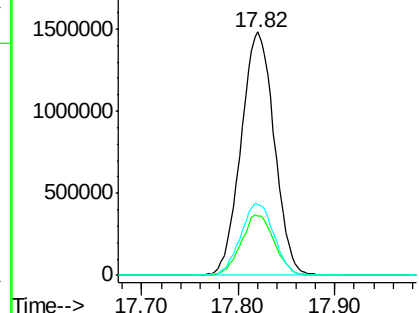
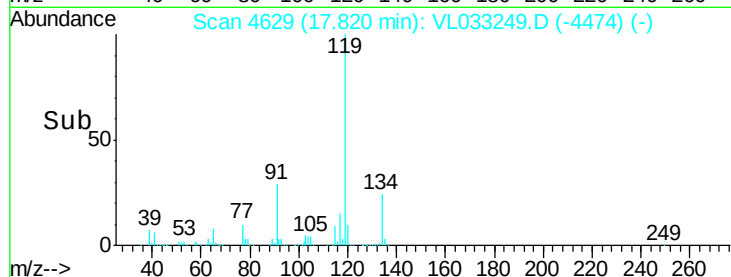
#69
 p-Isopropyltoluene
 Concen: 9.872 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. -0.00 min
 Lab File: VL033249.D
 Acq: 6 Mar 2019 9:08

Tot Ion: 119 Resp: 3536839

Ion	Ratio	Lower	Upper
119	100		
134	24.8	19.9	29.9
91	29.8	23.9	35.9



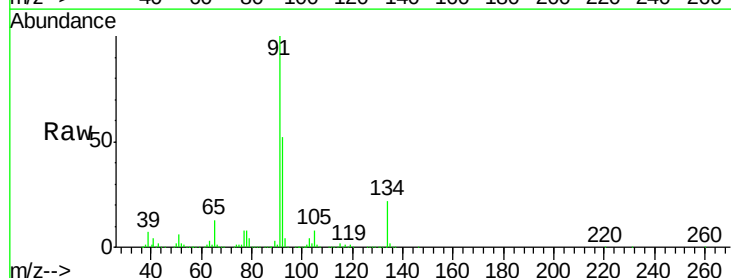
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



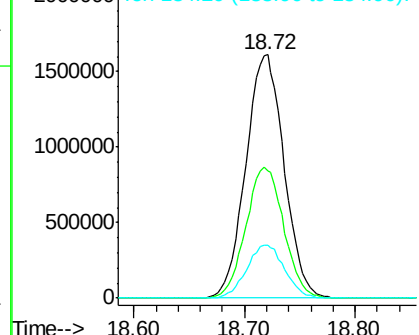
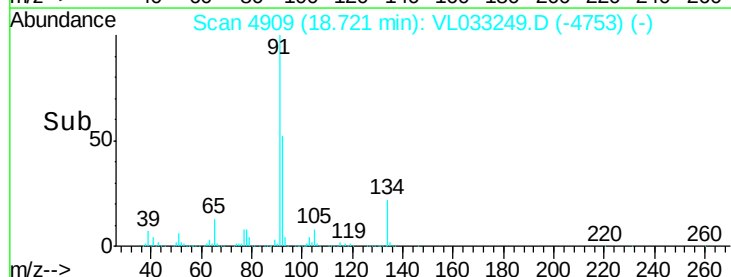
#70
 n-Butylbenzene
 Concen: 9.847 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. 0.00 min
 Lab File: VL033249.D
 Acq: 6 Mar 2019 9:08

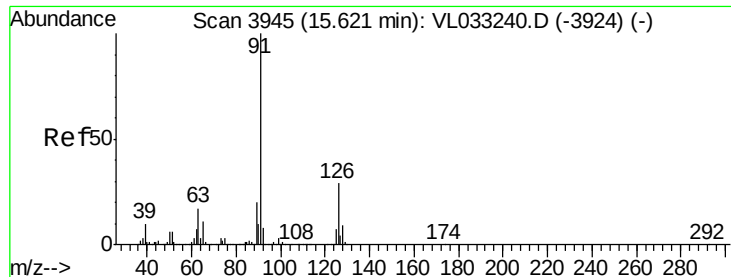
Tgt Ion: 91 Resp: 3864500

Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.4	63.6
134	21.6	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: 9.751 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VL033249.D

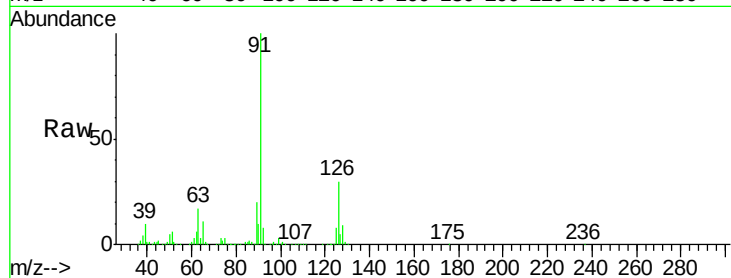
Acq: 6 Mar 2019 9:08

Tot Ion: 91 Resp: 2714085

Ion Ratio Lower Upper

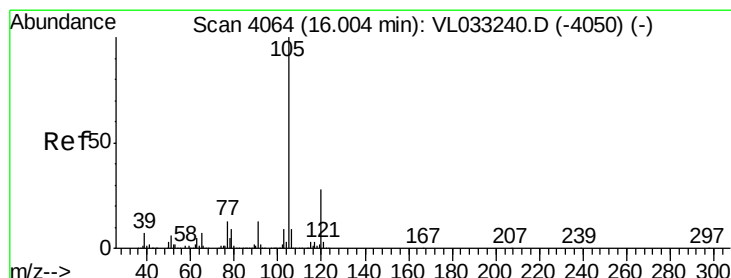
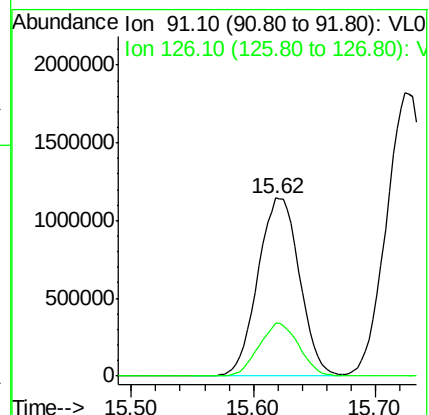
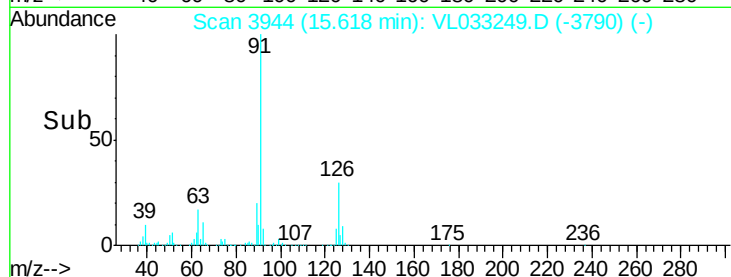
91 100

126 28.6 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: 10.132 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

Tgt Ion: 105 Resp: 2891139

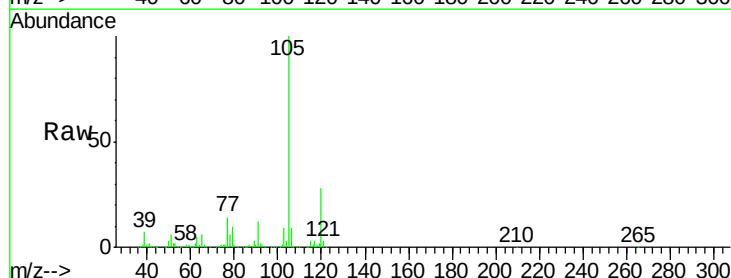
Ion Ratio Lower Upper

105 100

120 28.4 22.3 33.5

91 12.8 10.3 15.5

77 13.9 11.3 16.9

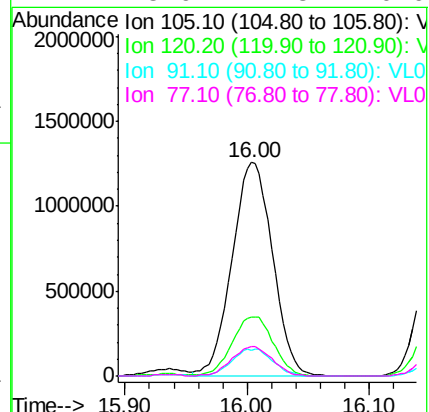
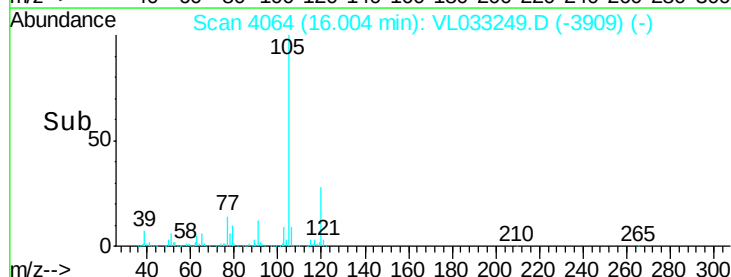


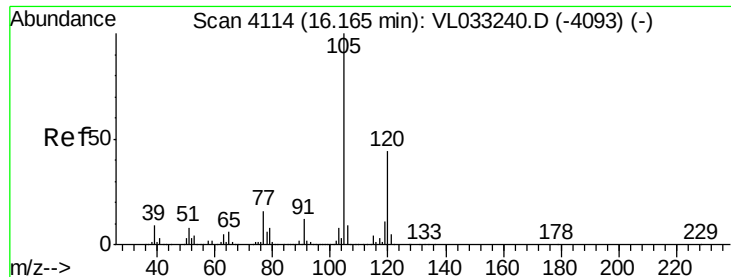
Abundance Ion 105.10 (104.80 to 105.80): V

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

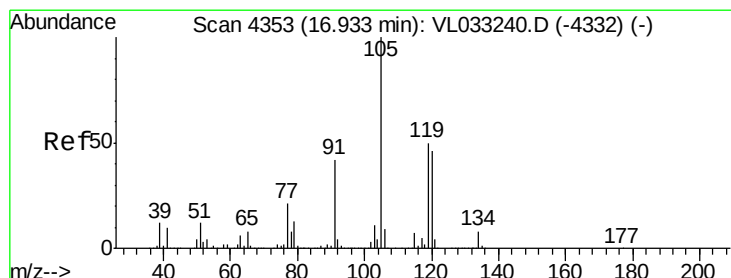
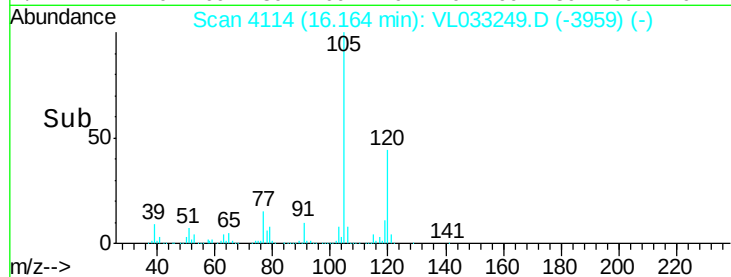
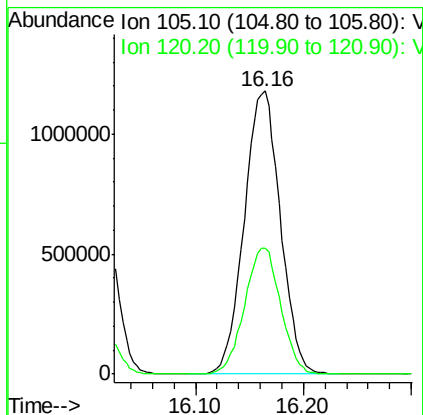
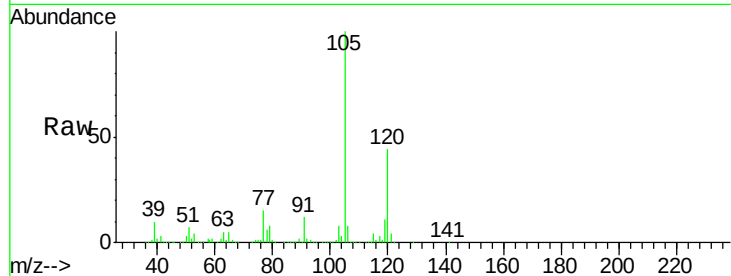




#73

1,3,5-Trimethylbenzene
Concen: 9.991 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL033249.D
Acq: 6 Mar 2019 9:08

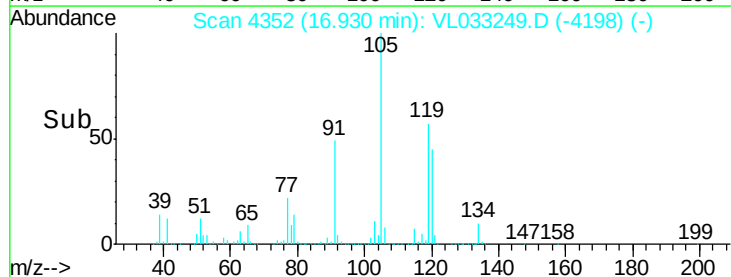
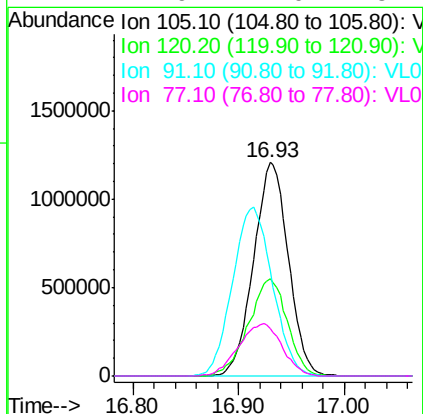
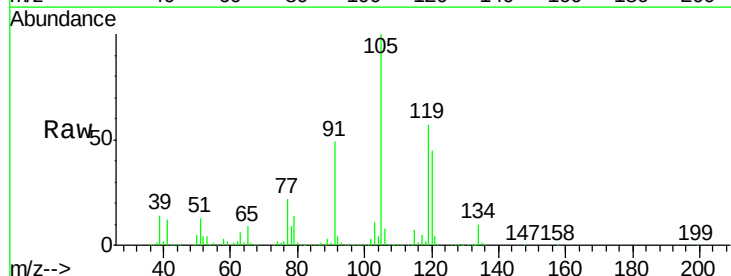
Tot Ion:105 Resp: 2736597
Ion Ratio Lower Upper
105 100
120 44.5 35.0 52.6

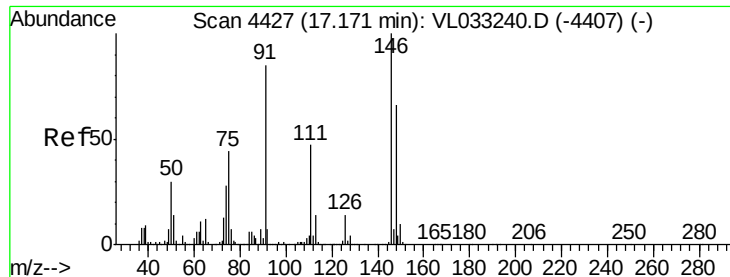


#74

1,2,4-Trimethylbenzene
Concen: 9.622 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL033249.D
Acq: 6 Mar 2019 9:08

Tgt Ion:105 Resp: 2770177
Ion Ratio Lower Upper
105 100
120 45.4 36.5 54.7
91 49.1 34.4 51.6
77 21.9 17.0 25.4

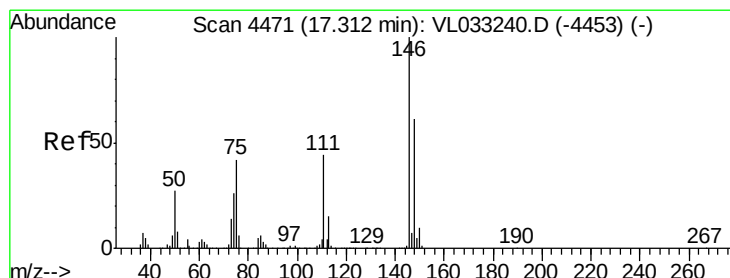
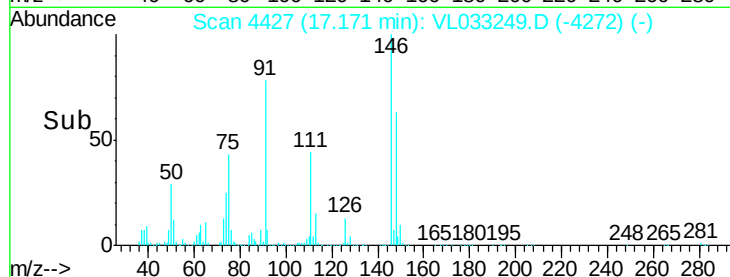
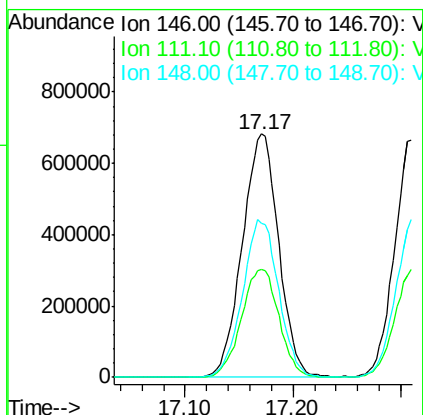
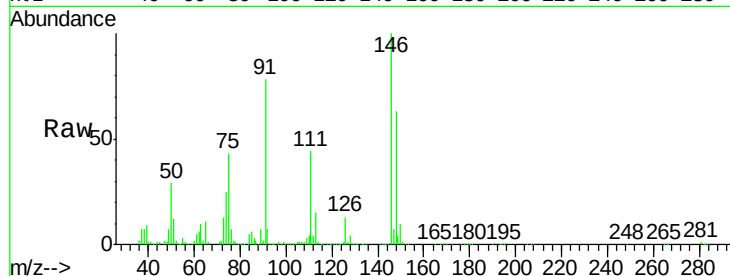




#75
 1,3-Dichlorobenzene
 Concen: 9.469 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL033249.D
 Acq: 6 Mar 2019 9:08

Tot Ion:146 Resp: 1594307

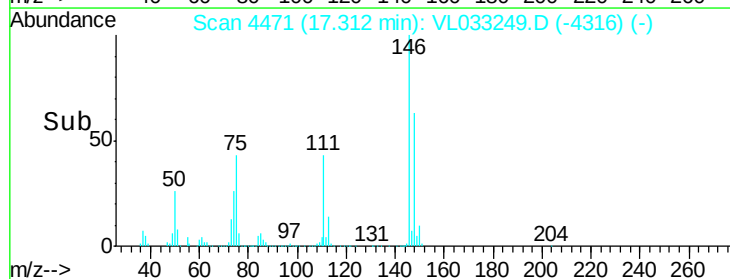
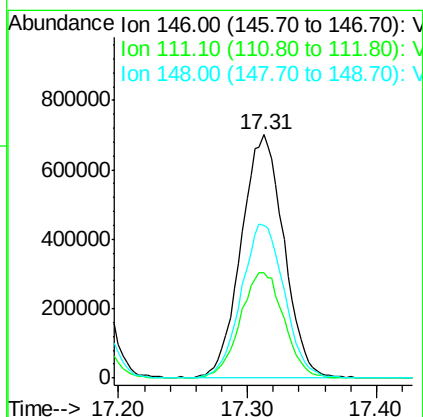
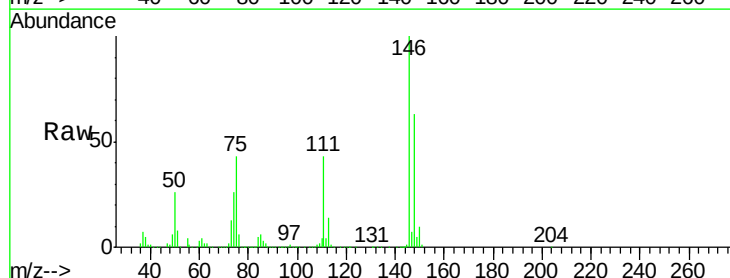
Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.4	70.0
148	64.5	32.1	96.3

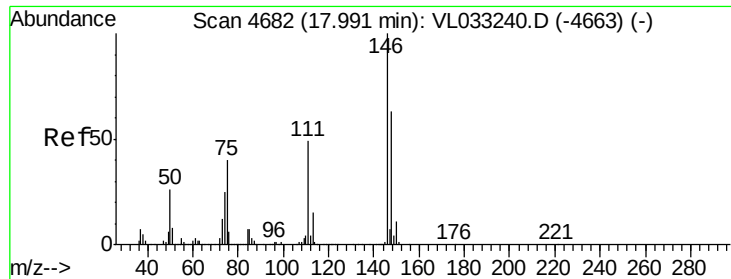


#76
 1,4-Dichlorobenzene
 Concen: 9.652 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. -0.00 min
 Lab File: VL033249.D
 Acq: 6 Mar 2019 9:08

Tgt Ion:146 Resp: 1610556

Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.3
148	64.2	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 9.611 ppbv

RT: 17.99 min Scan# 4683

Delta R.T. 0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

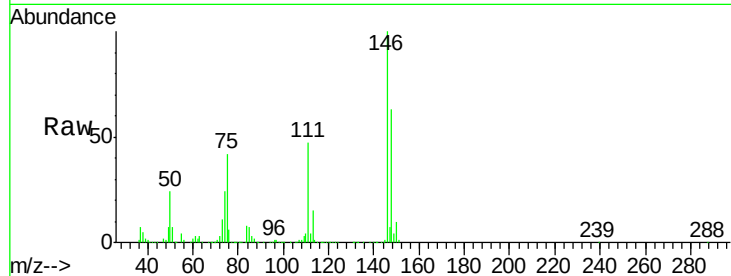
Tot Ion:146 Resp: 1570853

Ion Ratio Lower Upper

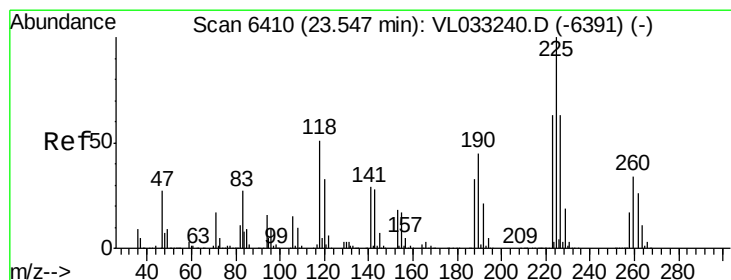
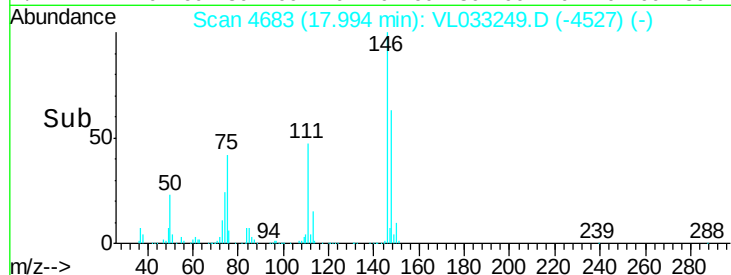
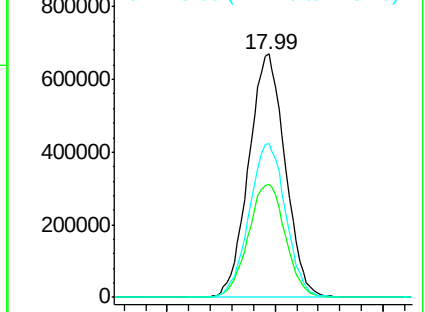
146 100

111 47.4 23.6 71.0

148 63.4 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: 9.771 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

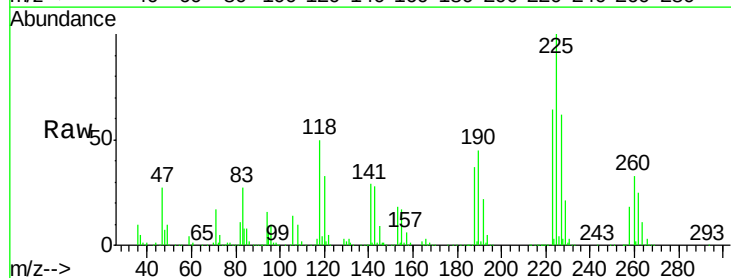
Tgt Ion:225 Resp: 1130338

Ion Ratio Lower Upper

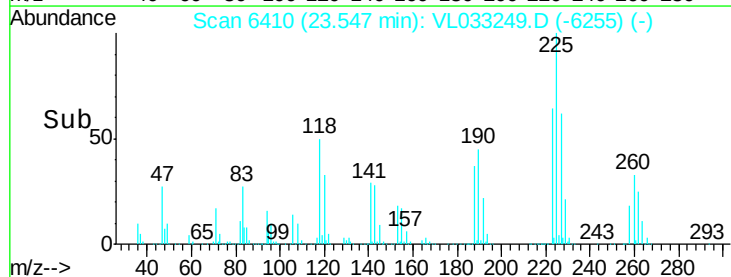
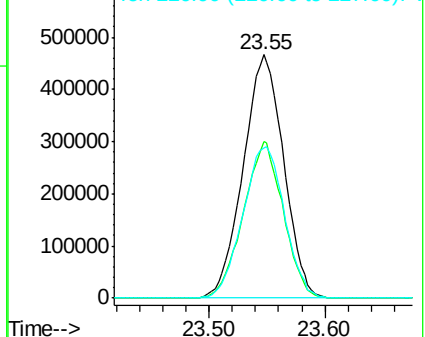
225 100

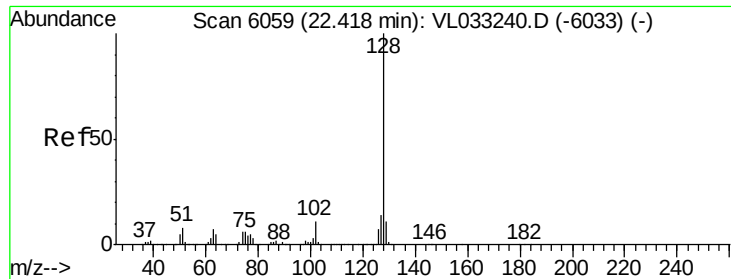
223 63.2 50.9 76.3

227 64.2 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: 11.874 ppbv

RT: 22.42 min Scan# 6059

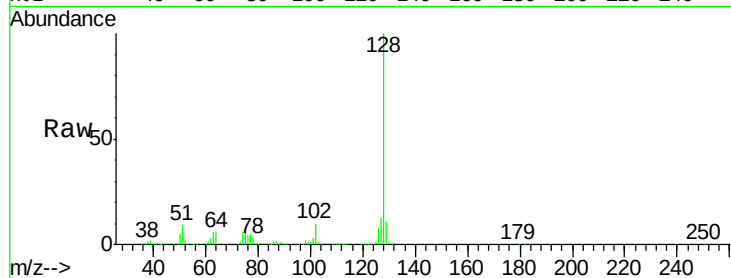
Delta R.T. -0.00 min

Lab File: VL033249.D

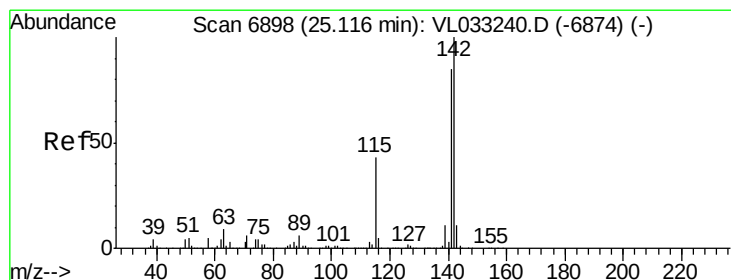
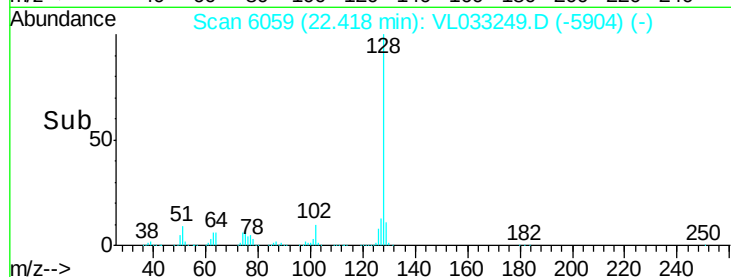
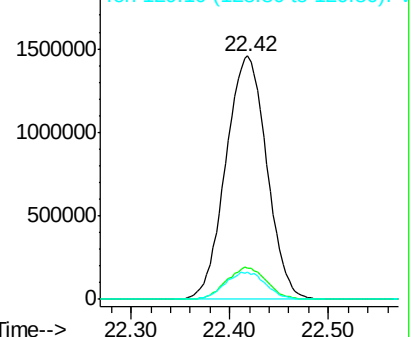
Acq: 6 Mar 2019 9:08

Tot Ion:128 Resp: 4180066

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



Abundance Ion 128.10 (127.80 to 128.80): V
 2000000 Ion 127.10 (126.80 to 127.80): V
 Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 16.153 ppbv

RT: 25.12 min Scan# 6898

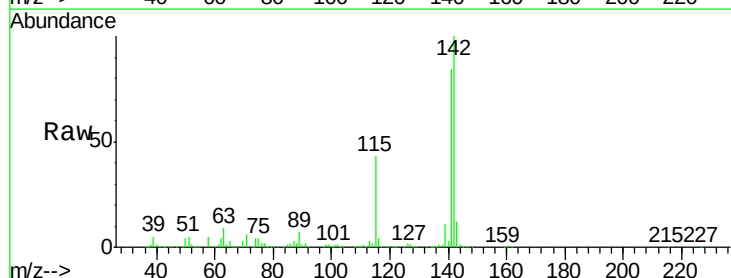
Delta R.T. -0.00 min

Lab File: VL033249.D

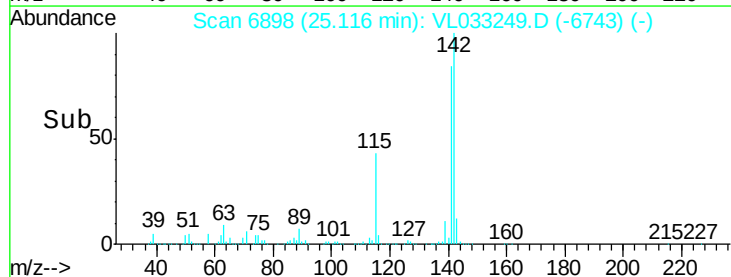
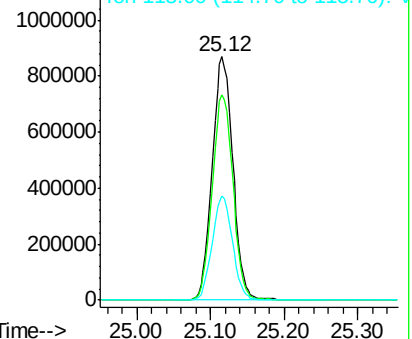
Acq: 6 Mar 2019 9:08

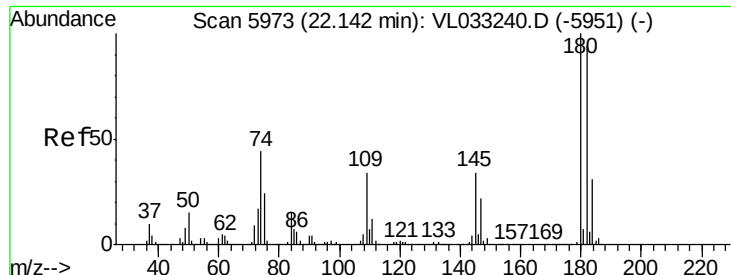
Tgt Ion:142 Resp: 1698870

Ion	Ratio	Lower	Upper
142	100		
141	84.6	68.0	102.0
115	42.3	34.1	51.1



Abundance Ion 142.00 (141.70 to 142.70): V
 1200000 Ion 141.00 (140.70 to 141.70): V
 Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 10.868 ppbv

RT: 22.14 min Scan# 5974

Delta R.T. 0.00 min

Lab File: VL033249.D

Acq: 6 Mar 2019 9:08

Tot Ion:180 Resp: 1922398

Ion Ratio Lower Upper

180 100

182 95.8 76.6 114.8

184 30.7 24.3 36.5

