

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030619\
 Data File : VL033242.D
 Acq On : 6 Mar 2019 3:17
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 06 08:45:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 02:40:20 2019
 QLast Update : Wed Mar 06 02:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1112574	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2453449	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2433518	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1839362	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	168953	0.857 ppbv	98
3) Chlorodifluoromethane	3.02	51	119744	0.913 ppbv	100
4) Chloromethane	3.17	50	62428	0.908 ppbv	97
5) Vinyl Chloride	3.30	62	61002	0.838 ppbv	97
6) Bromomethane	3.52	94	44562	1.120 ppbv	91
7) Chloroethane	3.61	64	25964	1.096 ppbv #	87
8) Dichlorotetrafluoroethane	3.22	85	154802	0.946 ppbv	99
9) Propene	3.04	41	55095	0.875 ppbv	98
10) Heptane	8.25	43	154085	0.810 ppbv	99
11) Trichlorofluoromethane	4.01	101	199633	1.174 ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.56	101	128897	1.100 ppbv	99
13) Ethanol	3.66	45	19306m	0.904 ppbv	
14) Bromoethene	3.79	108	50610	1.006 ppbv	96
15) Acetone	3.90	43	162908	1.316 ppbv	100
16) 1,3-Butadiene	3.37	39	54892	0.938 ppbv	99
17) tert-Butyl alcohol	4.36	59	26956m	1.134 ppbv	
18) 1,1-Dichloroethene	4.35	96	55285	1.063 ppbv	97
19) Isopropyl Alcohol	4.03	45	98301	1.143 ppbv #	96
20) Methylene Chloride	4.41	84	61620	1.257 ppbv	87
21) Allyl Chloride	4.48	41	81608	1.010 ppbv	94
22) trans-1,2-Dichloroethene	4.96	96	54427m	1.047 ppbv	
23) Vinyl Acetate	5.16	43	218789	1.008 ppbv	98
24) 1,1-Dichloroethane	5.09	63	156926	1.015 ppbv	99
25) Ethyl Acetate	5.77	43	279518	0.988 ppbv	99
26) Hexane	5.78	57	133715	1.012 ppbv	94
27) Carbon Disulfide	4.62	76	115810	0.974 ppbv	97
28) Methyl tert-Butyl Ether	5.12	73	169564	0.937 ppbv	97
29) Chloroform	5.84	83	199543	0.984 ppbv	94
30) Cyclohexane	7.25	84	89731	0.759 ppbv	96
31) cis-1,2-Dichloroethene	5.64	61	118937	0.900 ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	177858	0.794 ppbv	98
34) 2-Butanone	5.34	43	174595	1.083 ppbv	98
35) Carbon Tetrachloride	7.13	117	185313	0.980 ppbv	94
36) Benzene	7.01	78	238991	0.942 ppbv	99
37) 1,2-Dichloroethane	6.41	62	146482	1.019 ppbv	100
38) Trichloroethene	7.96	130	89756	0.840 ppbv	94
39) 1,2-Dichloropropane	7.74	63	88320m	0.897 ppbv	
40) 1,4-Dioxane	7.98	88	36285m	1.019 ppbv	
41) Tetrahydrofuran	6.17	42	97872	0.988 ppbv	98
42) Bromodichloromethane	7.91	83	201430	0.994 ppbv	98
43) Methyl Methacrylate	8.14	69	86716	0.864 ppbv	96

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

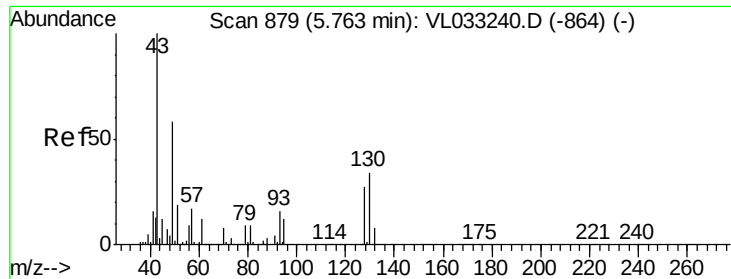
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 02:40:20 2019

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	413138	0.970	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	99250	0.888	ppbv	95
46) cis-1,3-Dichloropropene	8.84	75	122155	0.859	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	96031	0.938	ppbv	96
48) Dibromochloromethane	10.44	129	146232m	0.903	ppbv	
49) Bromoform	13.20	173	115343m	0.837	ppbv	
50) 4-Methyl-2-Pentanone	8.88	43	248303	0.981	ppbv	99
51) 2-Hexanone	10.28	43	182676	0.922	ppbv #	97
52) Tetrachloroethene	11.37	164	86599	0.902	ppbv	93
53) Toluene	9.95	91	255811	0.866	ppbv	99
54) 1,2-Dibromoethane	10.76	107	145205	0.908	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	113188	1.008	ppbv #	1
57) Chlorobenzene	12.30	112	207551	0.979	ppbv #	98
58) Ethyl Benzene	12.87	91	354679	0.901	ppbv	98
59) m/p-Xylene	13.12	91	619126m	1.886	ppbv	
60) o-Xylene	13.85	91	294979	0.923	ppbv	98
61) Styrene	13.69	104	192897	0.808	ppbv	99
62) Isopropylbenzene	14.82	105	401400	0.896	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	201518	0.809	ppbv	98
64) n-propylbenzene	15.72	120	101883m	0.900	ppbv	
65) tert-Butylbenzene	16.91	119	353457	0.909	ppbv	97
66) Benzyl Chloride	17.15	91	103324	0.758	ppbv	99
67) sec-Butylbenzene	17.46	105	492963	0.875	ppbv	99
69) p-Isopropyltoluene	17.81	119	397130	0.846	ppbv	98
70) n-Butylbenzene	18.71	91	445442	0.877	ppbv	98
71) 2-Chlorotoluene	15.62	91	315935	0.902	ppbv	98
72) 4-Ethyltoluene	16.00	105	312062	0.856	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	305783	0.878	ppbv	94
74) 1,2,4-Trimethylbenzene	16.93	105	327820	0.905	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	189625	0.910	ppbv	98
76) 1,4-Dichlorobenzene	17.31	146	185002	0.897	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	181572	0.882	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	132059m	1.211	ppbv	
79) Naphthalene	22.42	128	346332	0.842	ppbv #	96
80) Naphthalene, 2-methyl-	25.12	142	61014	0.297	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	184126	0.893	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

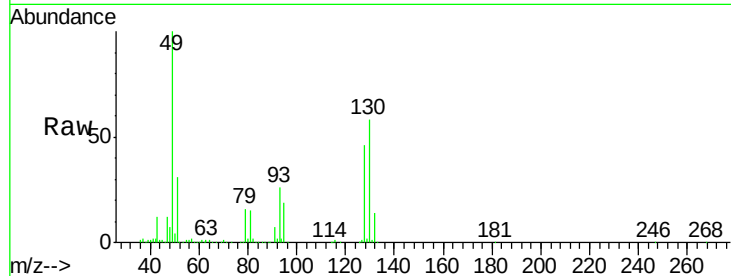
Delta R.T. -0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

Tot Ion: 49 Resp: 1112574

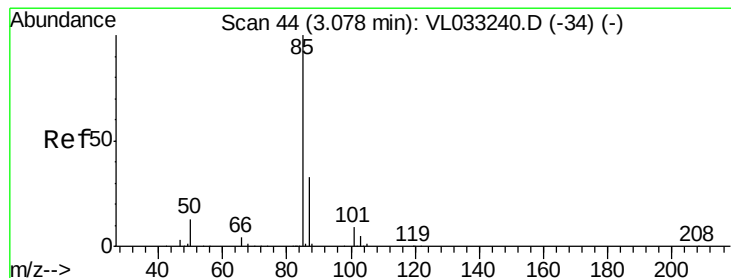
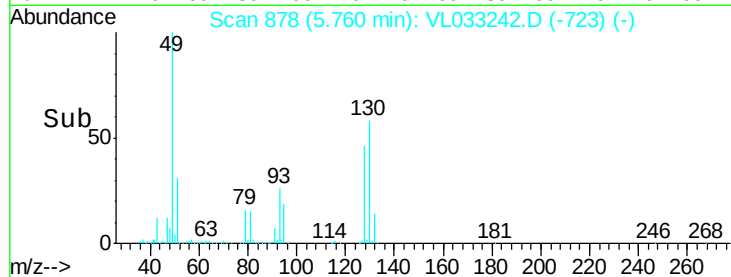
Ion	Ratio	Lower	Upper
49	100		
128	46.2	22.9	68.8
130	58.7	29.3	88.0



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: 0.857 ppbv

RT: 3.08 min Scan# 44

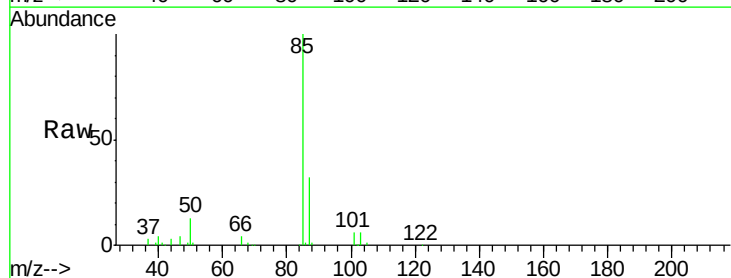
Delta R.T. 0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

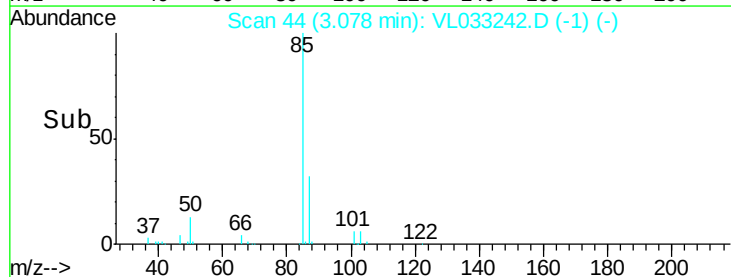
Tgt Ion: 85 Resp: 168953

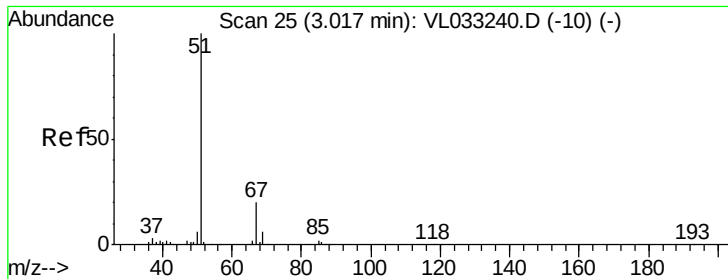
Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.7	40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.913 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033242.D

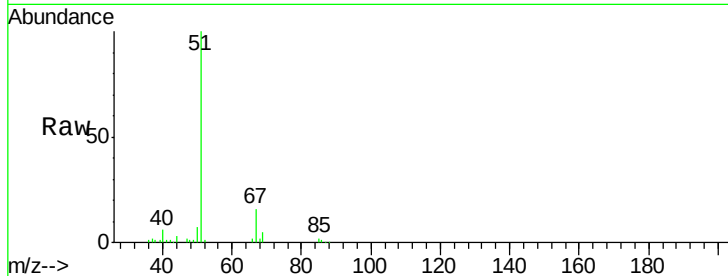
Acq: 6 Mar 2019 3:17

Tot Ion: 51 Resp: 119744

Ion Ratio Lower Upper

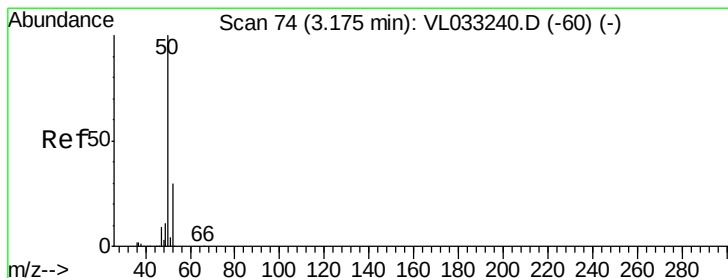
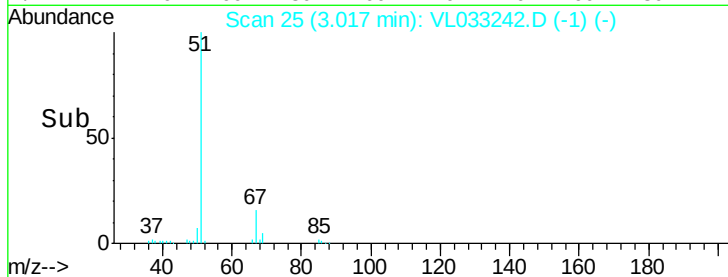
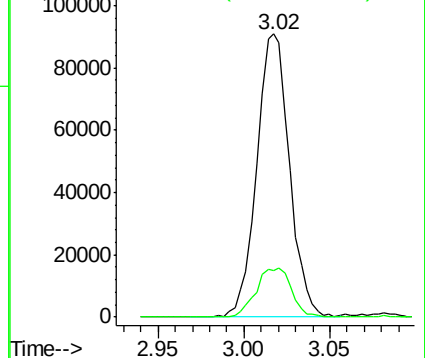
51 100

67 18.6 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: 0.908 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033242.D

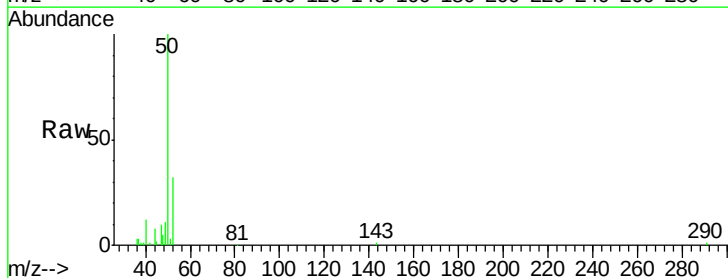
Acq: 6 Mar 2019 3:17

Tgt Ion: 50 Resp: 62428

Ion Ratio Lower Upper

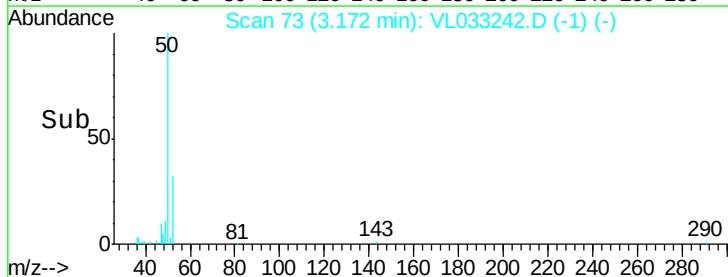
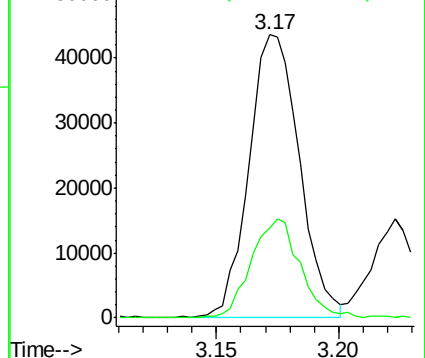
50 100

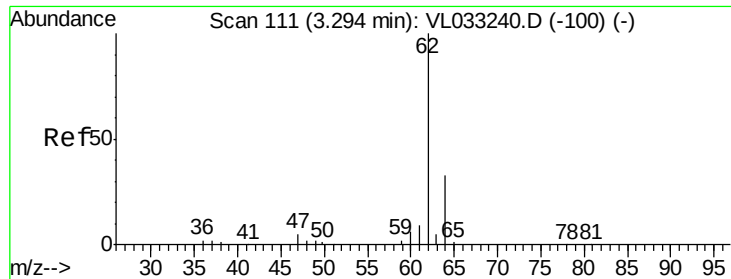
52 31.8 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.838 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL033242.D

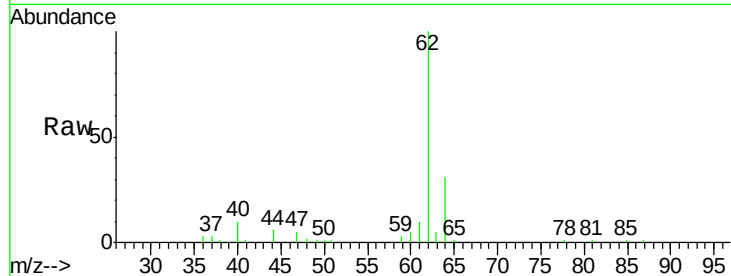
Acq: 6 Mar 2019 3:17

Tot Ion: 62 Resp: 61002

Ion Ratio Lower Upper

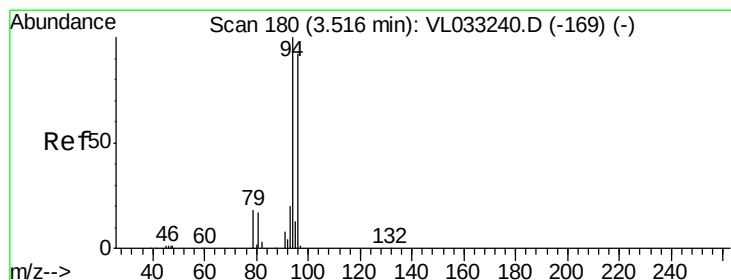
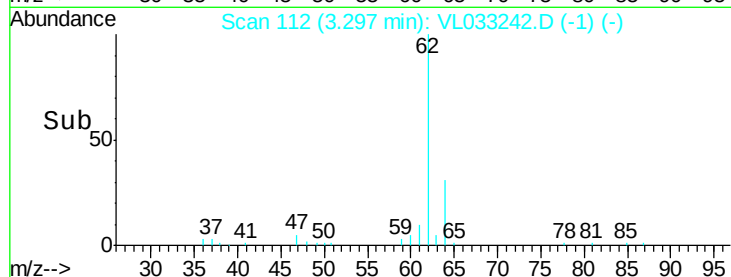
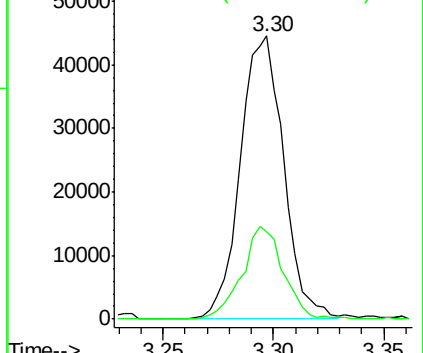
62 100

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: 1.120 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033242.D

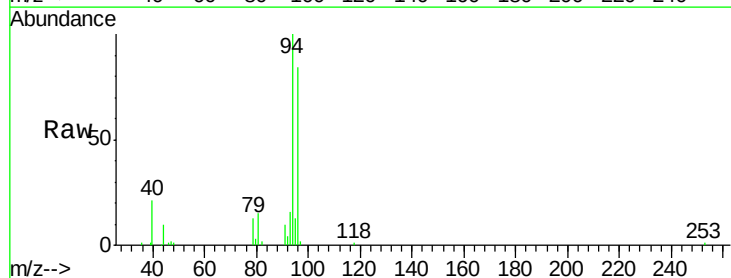
Acq: 6 Mar 2019 3:17

Tgt Ion: 94 Resp: 44562

Ion Ratio Lower Upper

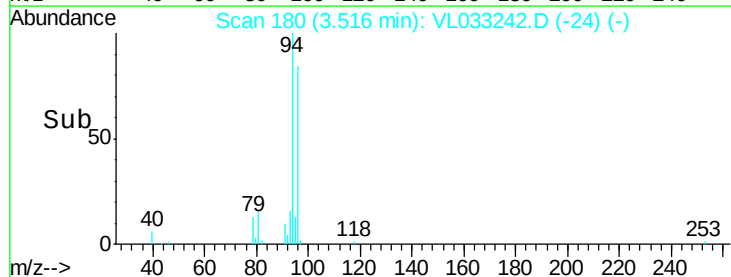
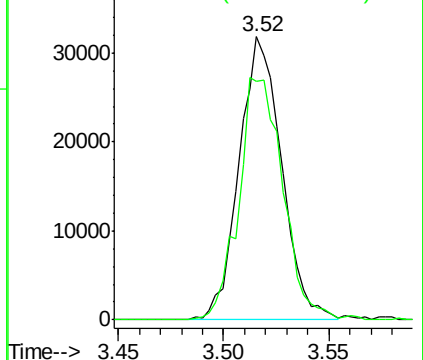
94 100

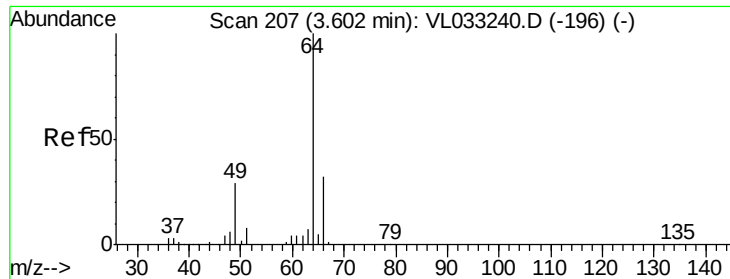
96 84.2 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.096 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL033242.D

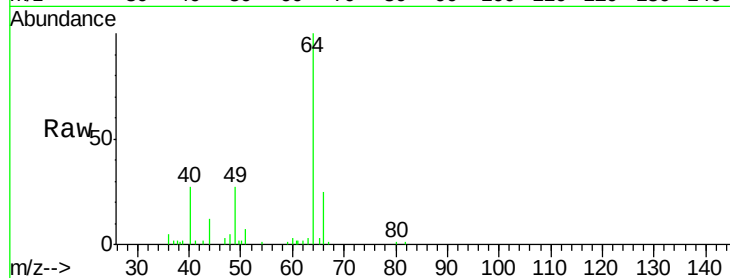
Acq: 6 Mar 2019 3:17

Tot Ion: 64 Resp: 25964

Ion Ratio Lower Upper

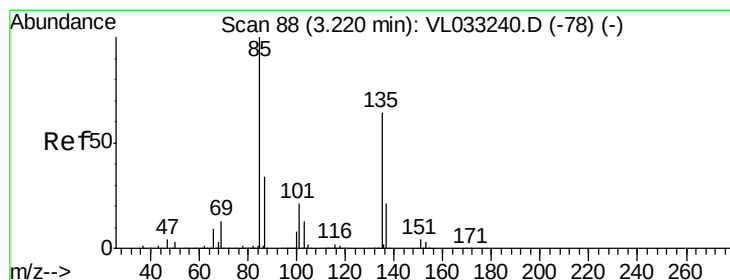
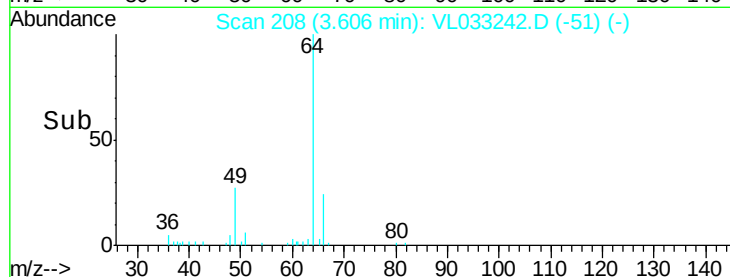
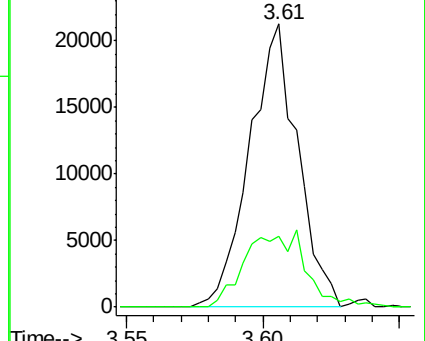
64 100

66 25.0 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: 0.946 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033242.D

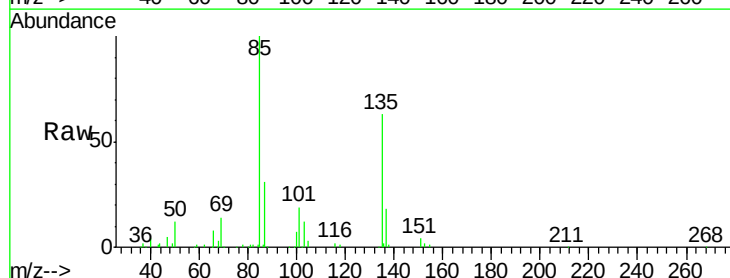
Acq: 6 Mar 2019 3:17

Tgt Ion: 85 Resp: 154802

Ion Ratio Lower Upper

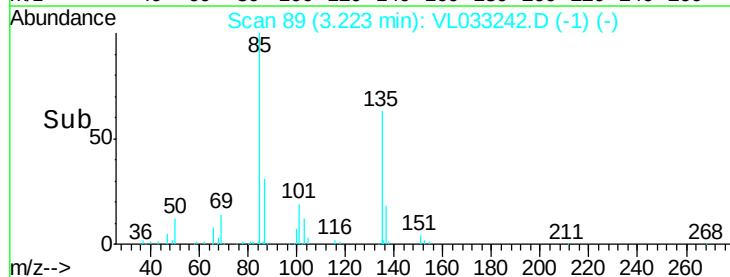
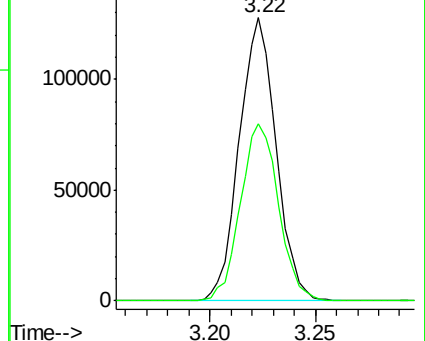
85 100

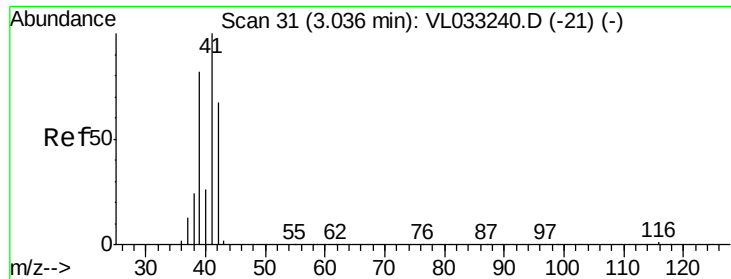
135 64.8 52.6 79.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.875 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033242.D

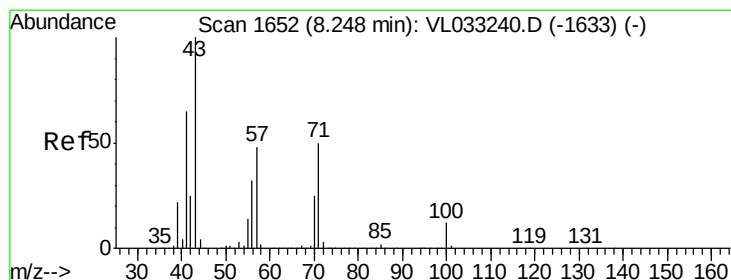
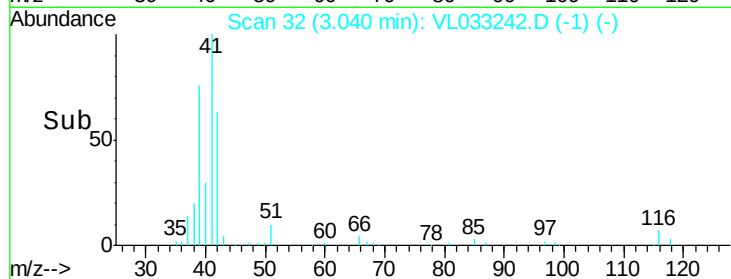
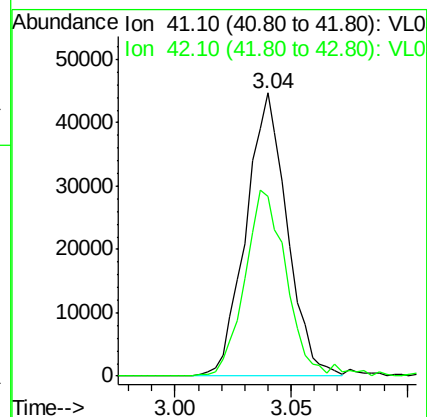
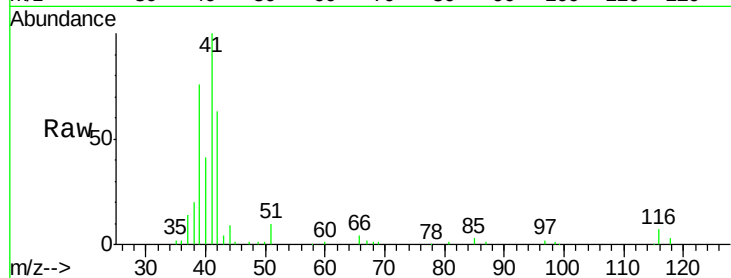
Acq: 6 Mar 2019 3:17

Tot Ion: 41 Resp: 55095

Ion Ratio Lower Upper

41 100

42 67.3 55.3 82.9



#10

Heptane

Concen: 0.810 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033242.D

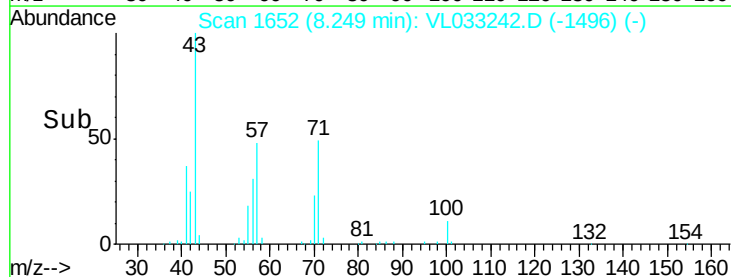
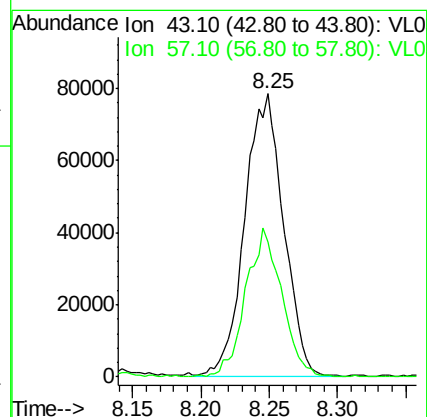
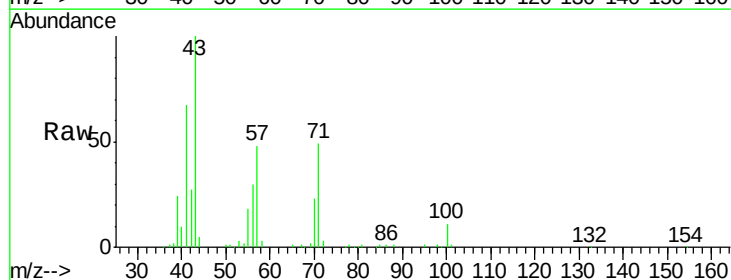
Acq: 6 Mar 2019 3:17

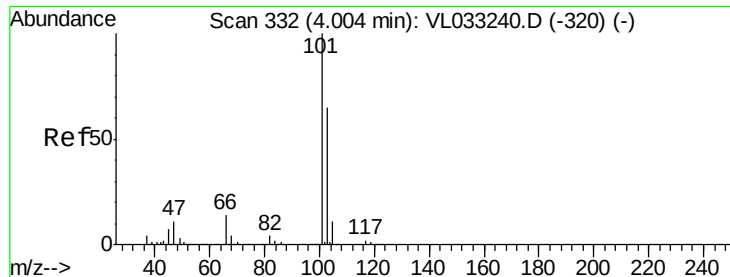
Tgt Ion: 43 Resp: 154085

Ion Ratio Lower Upper

43 100

57 49.1 39.8 59.6





#11

Trichlorofluoromethane

Concen: 1.174 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033242.D

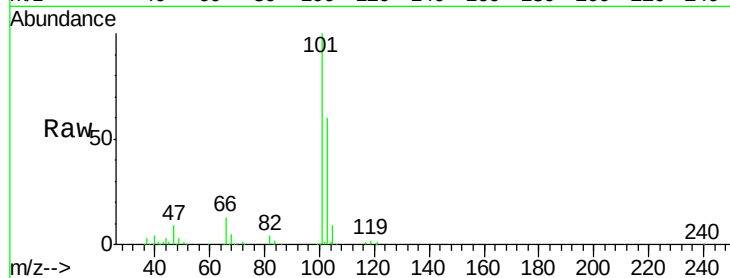
Acq: 6 Mar 2019 3:17

Tot Ion:101 Resp: 199633

Ion Ratio Lower Upper

101 100

103 59.8 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

150000

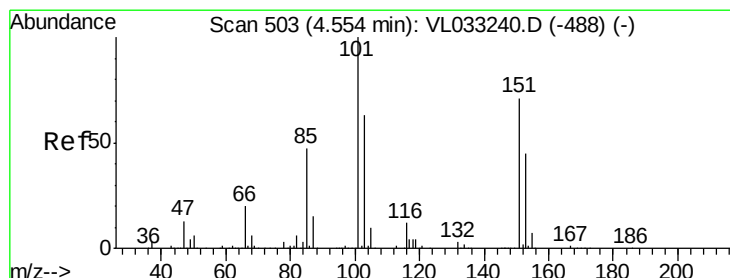
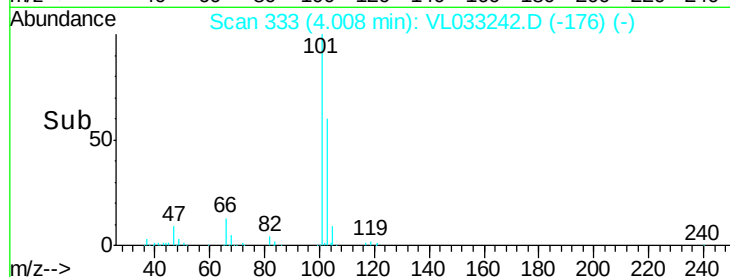
100000

50000

0

3.95 4.00 4.05

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.100 ppbv

RT: 4.56 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL033242.D

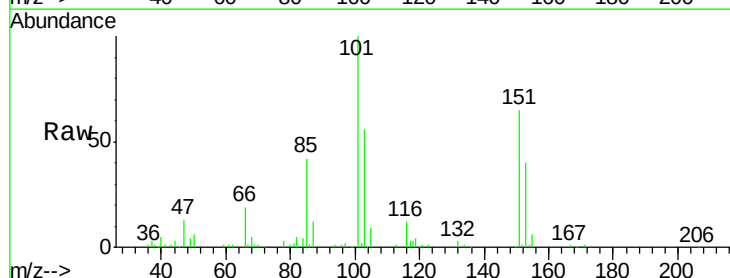
Acq: 6 Mar 2019 3:17

Tgt Ion:101 Resp: 128897

Ion Ratio Lower Upper

101 100

151 70.5 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

80000

60000

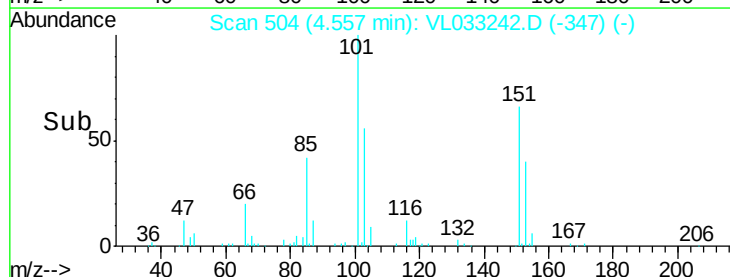
40000

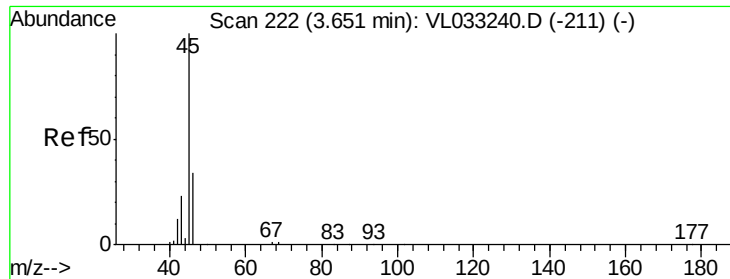
20000

0

4.50 4.55 4.60

Time-->





#13

Ethanol

Concen: 0.904 ppbv m

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033242.D

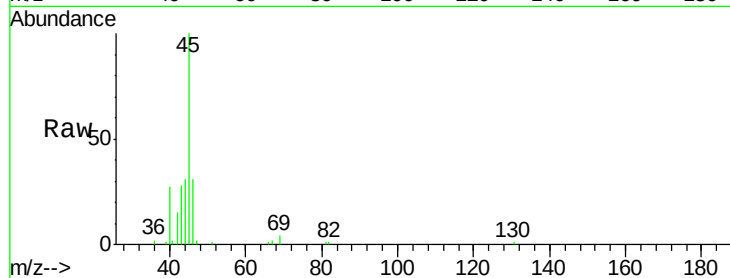
Acq: 6 Mar 2019 3:17

Tot Ion: 45 Resp: 19306

Ion Ratio Lower Upper

45 100

46 0.0 15.3 61.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.66

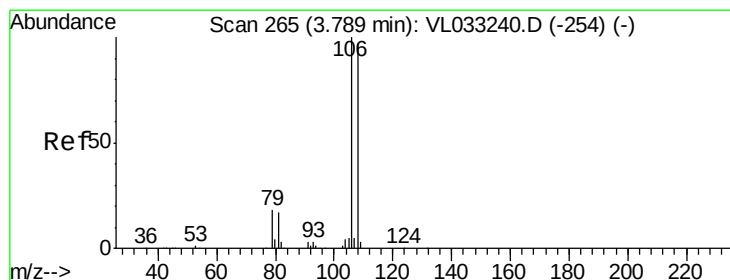
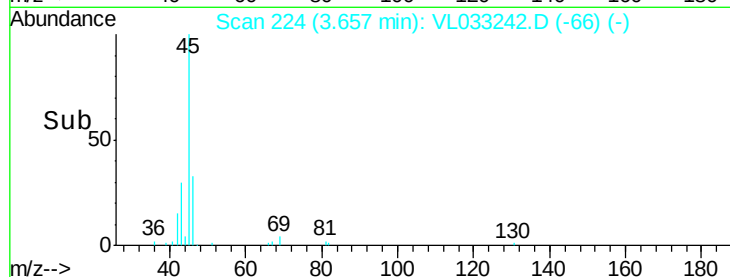
15000

10000

5000

0

Time-->



#14

Bromoethene

Concen: 1.006 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

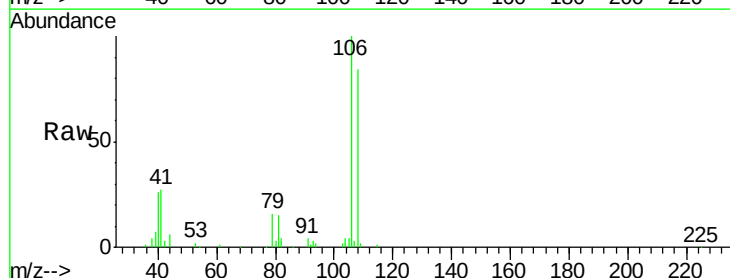
Tgt Ion: 108 Resp: 50610

Ion Ratio Lower Upper

108 100

106 112.0 85.5 128.3

79 19.9 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

50000

40000

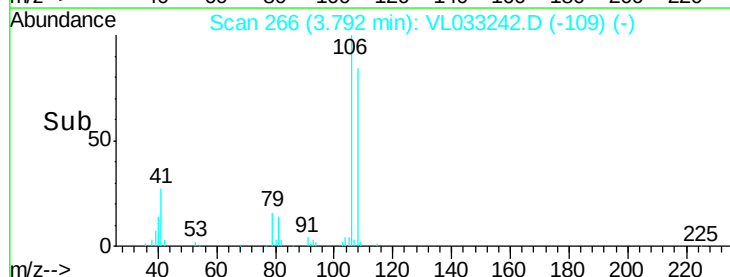
30000

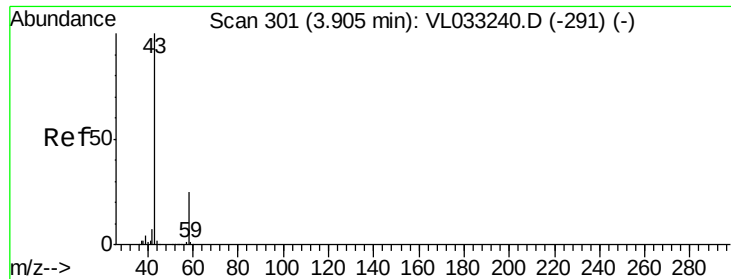
20000

10000

0

Time-->





#15

Acetone

Concen: 1.316 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.00 min

Lab File: VL033242.D

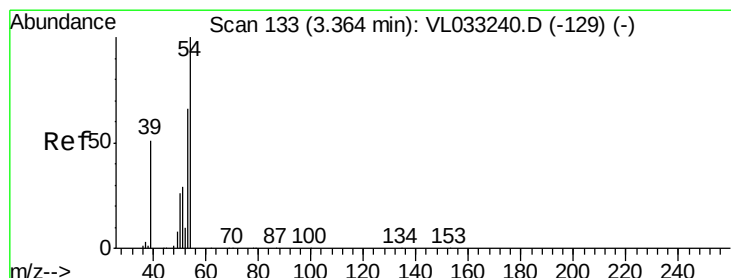
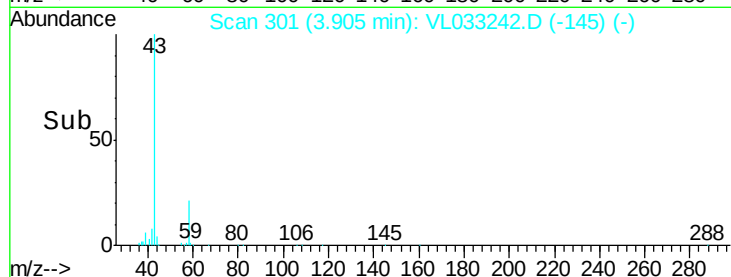
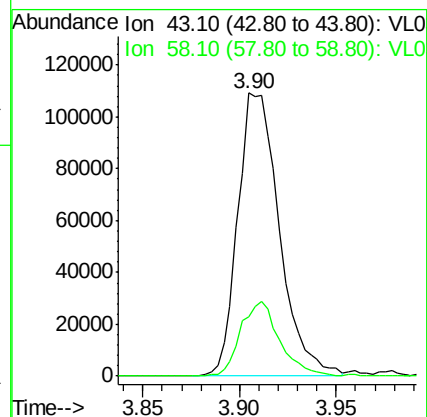
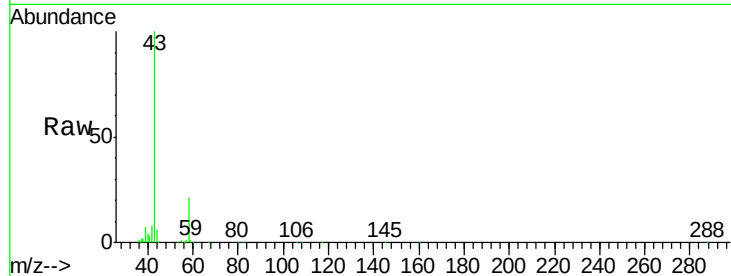
Acq: 6 Mar 2019 3:17

Tot Ion: 43 Resp: 162908

Ion Ratio Lower Upper

43 100

58 25.2 20.2 30.4



#16

1,3-Butadiene

Concen: 0.938 ppbv

RT: 3.37 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL033242.D

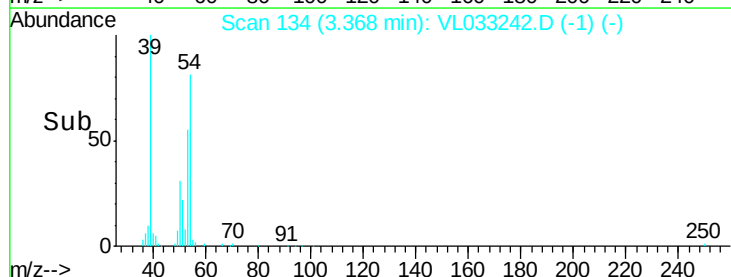
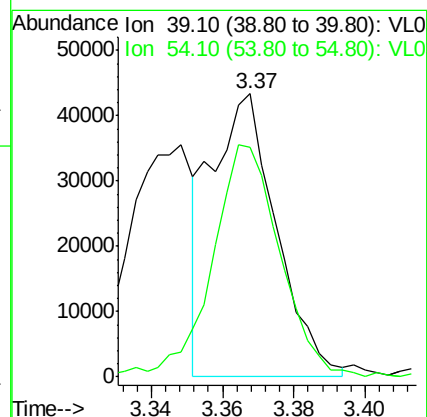
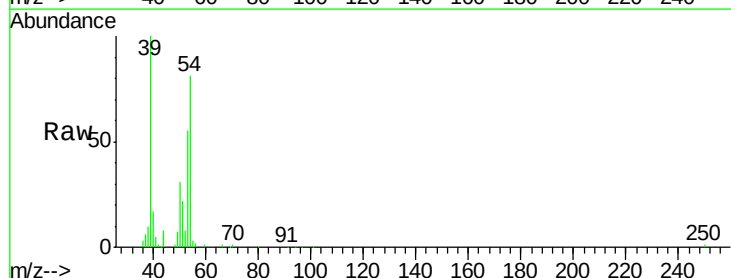
Acq: 6 Mar 2019 3:17

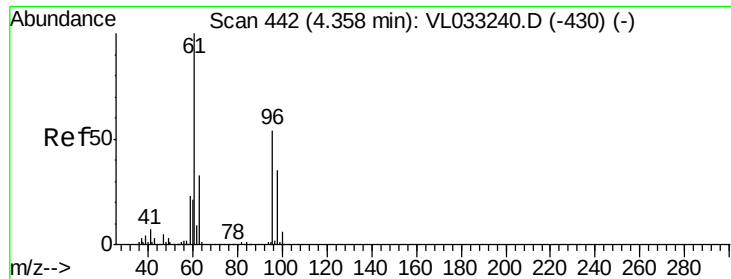
Tgt Ion: 39 Resp: 54892

Ion Ratio Lower Upper

39 100

54 85.7 69.6 104.4





#17

tert-Butyl alcohol

Concen: 1.134 ppbv m

RT: 4.36 min Scan# 444

Delta R.T. 0.01 min

Lab File: VL033242.D

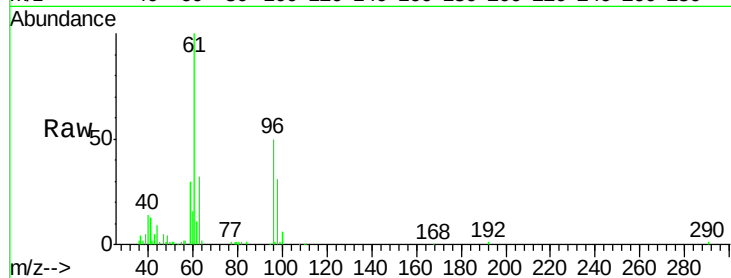
Acq: 6 Mar 2019 3:17

Tot Ion: 59 Resp: 26956

Ion Ratio Lower Upper

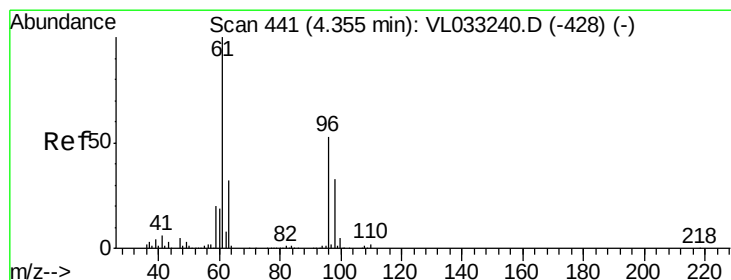
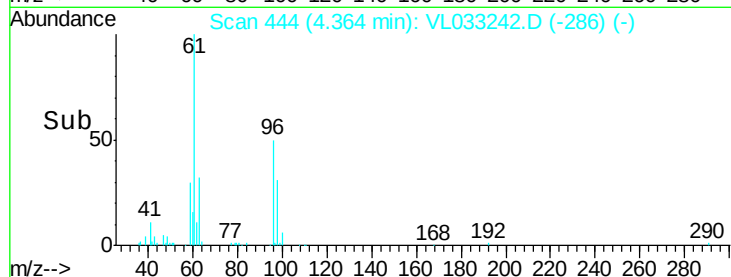
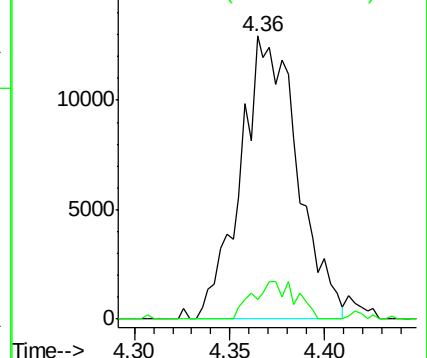
59 100

57 0.0 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: 1.063 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

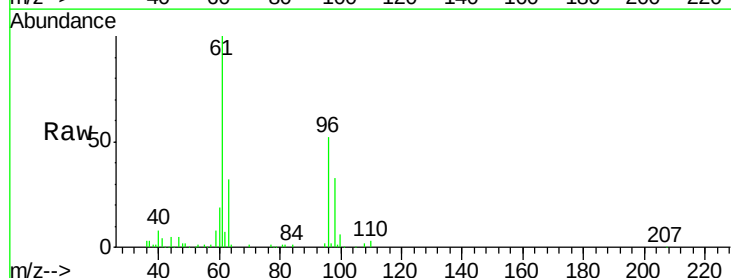
Tgt Ion: 96 Resp: 55285

Ion Ratio Lower Upper

96 100

61 192.3 150.2 225.2

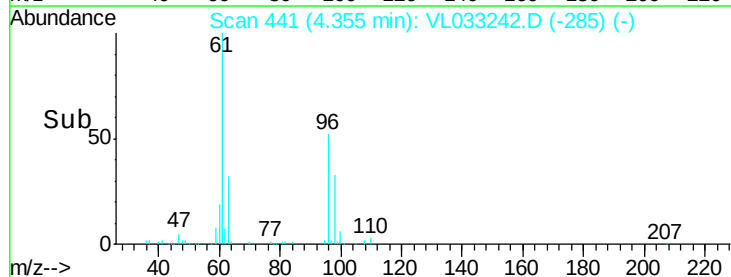
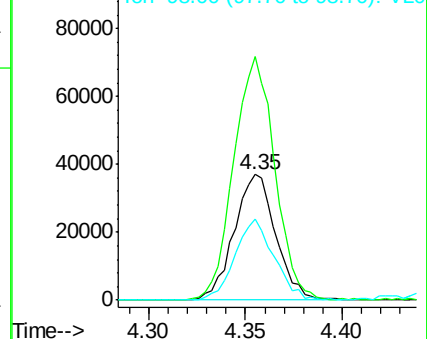
98 64.2 49.2 73.8

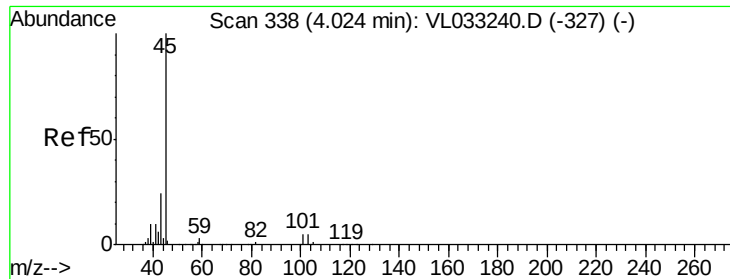


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 1.143 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL033242.D

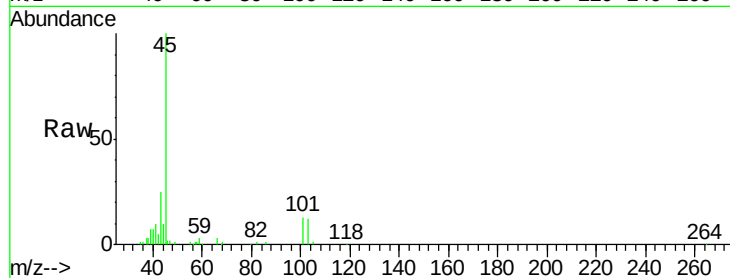
Acq: 6 Mar 2019 3:17

Tot Ion: 45 Resp: 98301

Ion Ratio Lower Upper

45 100

58 3.1 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.03

60000

50000

40000

30000

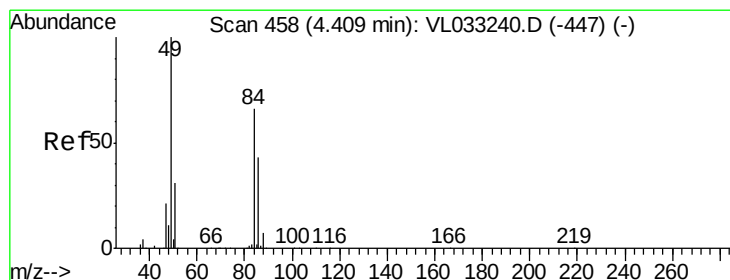
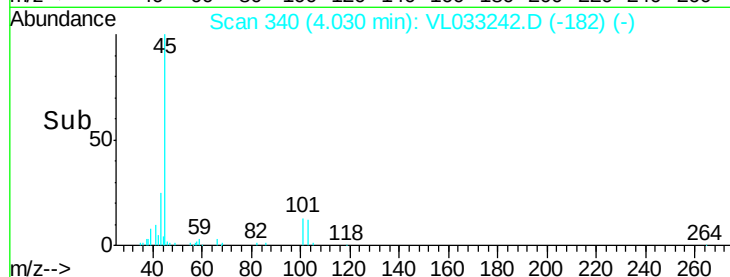
20000

10000

0

Time-->

4.00 4.05 4.10



#20

Methylene Chloride

Concen: 1.257 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

Tgt Ion: 84 Resp: 61620

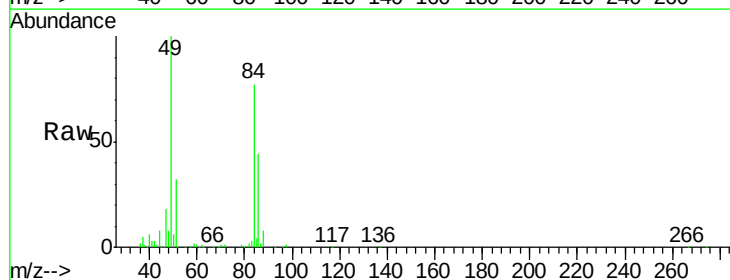
Ion Ratio Lower Upper

84 100

49 129.3 120.4 180.6

51 41.3 36.7 55.1

86 57.5 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

80000

60000

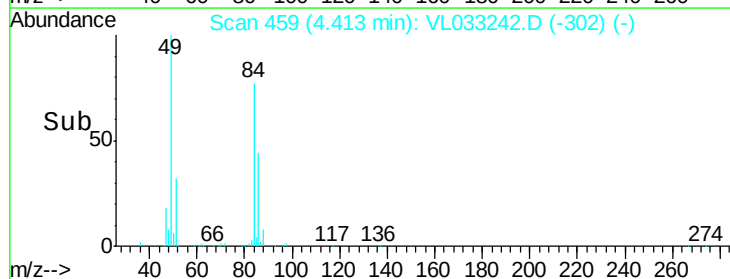
40000

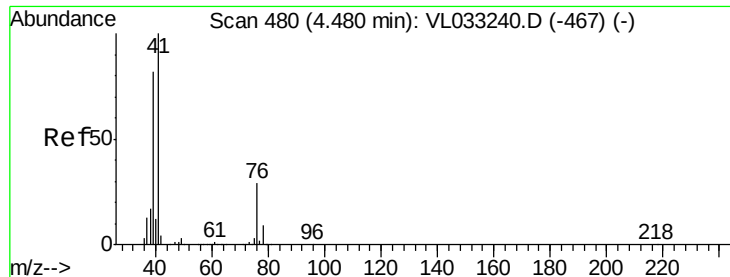
20000

0

Time-->

4.35 4.40 4.45





#21

Allvl Chloride

Concen: 1.010 ppbv

RT: 4.48 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

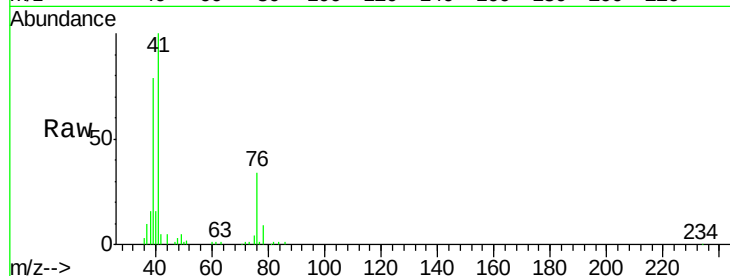
Tot Ion: 41 Resp: 81608

Ion Ratio Lower Upper

41 100

76 32.3 24.6 36.8

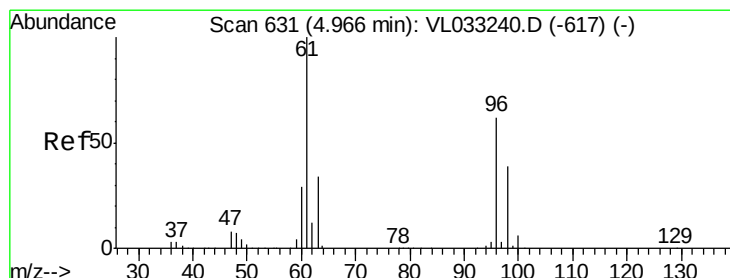
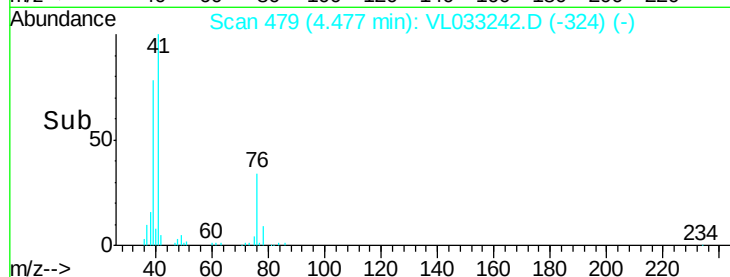
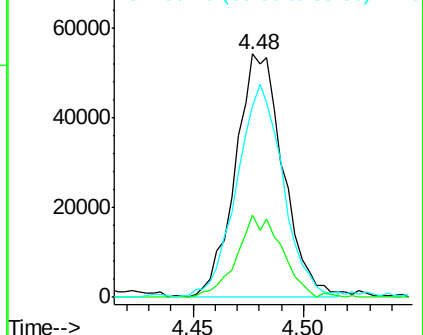
39 88.1 65.2 97.8



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: 1.047 ppbv m

RT: 4.96 min Scan# 630

Delta R.T. -0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

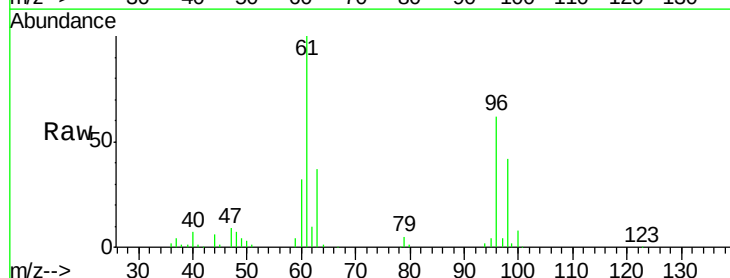
Tgt Ion: 96 Resp: 54427

Ion Ratio Lower Upper

96 100

61 162.4 128.3 192.5

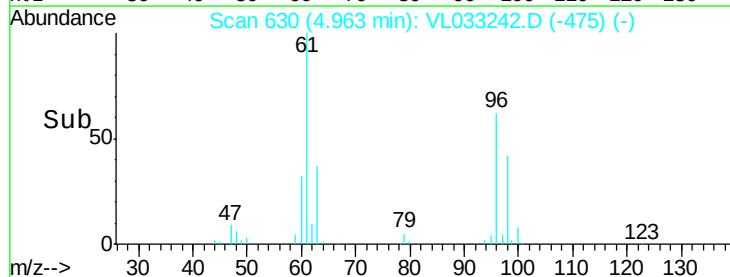
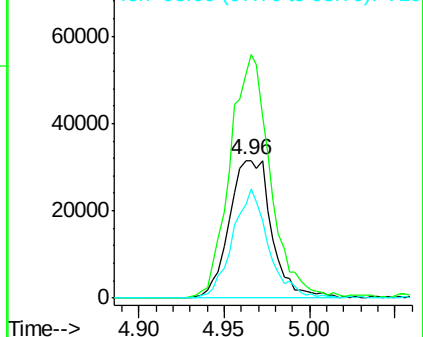
98 68.0 50.6 75.8

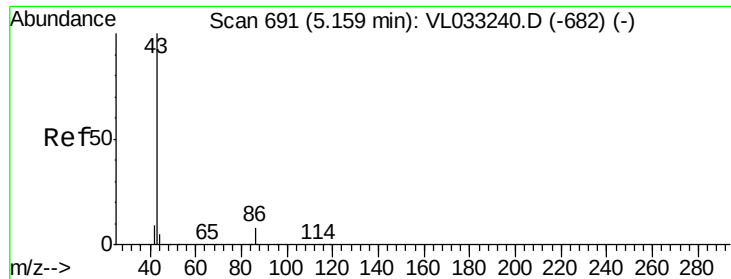


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

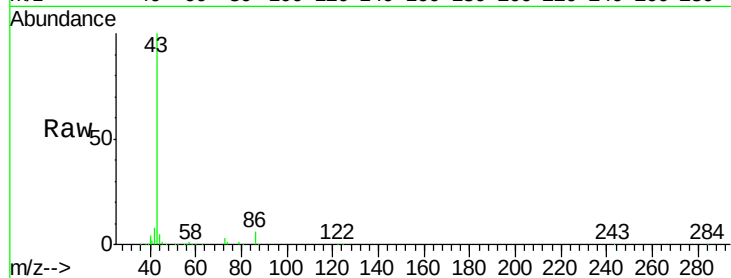
Ion 98.00 (97.70 to 98.70): VL0



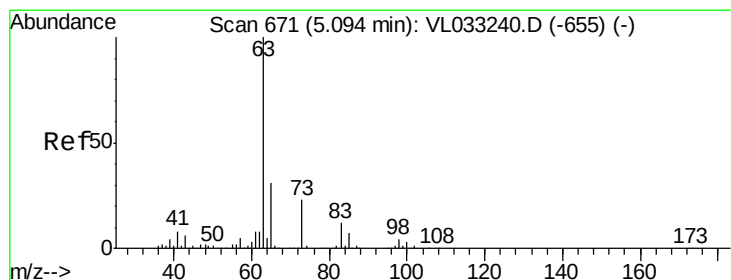
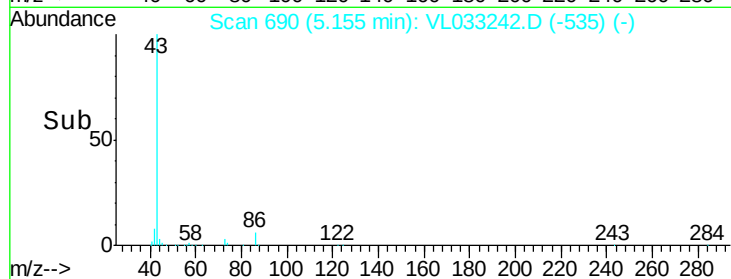
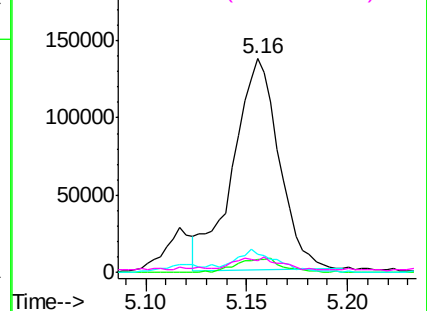


#23
 Vinyl Acetate
 Concen: 1.008 ppbv
 RT: 5.16 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL033242.D
 Acq: 6 Mar 2019 3:17

Tot Ion:	43	Resp:	218789
Ion	Ratio	Lower	Upper
43	100		
86	6.1	5.5	8.3
42	8.6	7.7	11.5
44	4.5	4.1	6.1

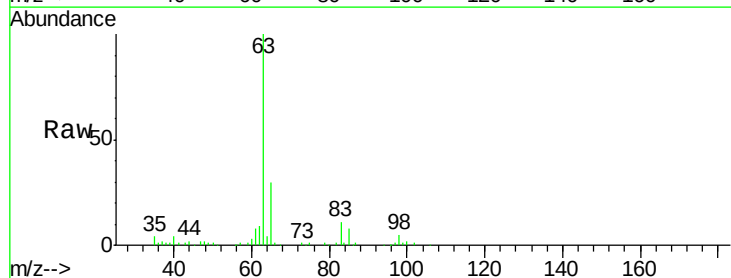


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

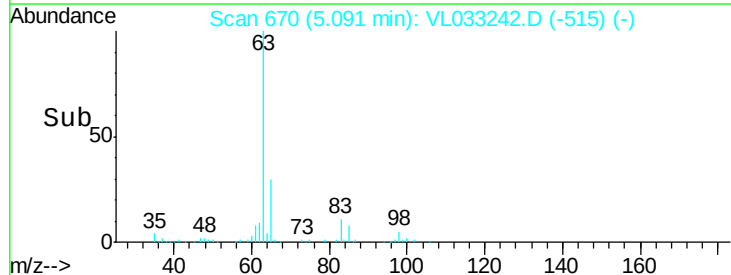
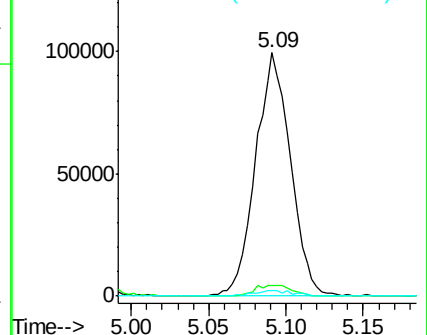


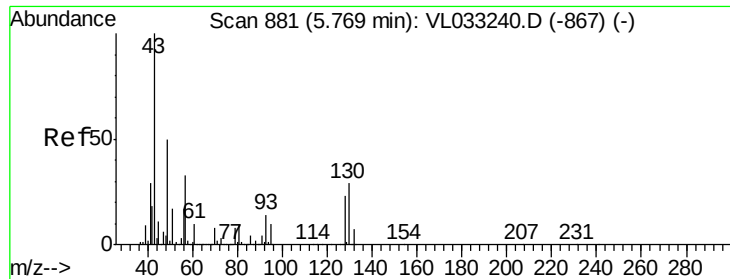
#24
 1,1-Dichloroethane
 Concen: 1.015 ppbv
 RT: 5.09 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VL033242.D
 Acq: 6 Mar 2019 3:17

Tgt Ion:	63	Resp:	156926
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.3
100	2.2	1.3	3.8



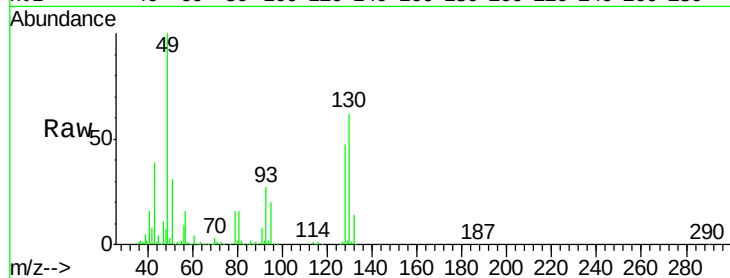
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0



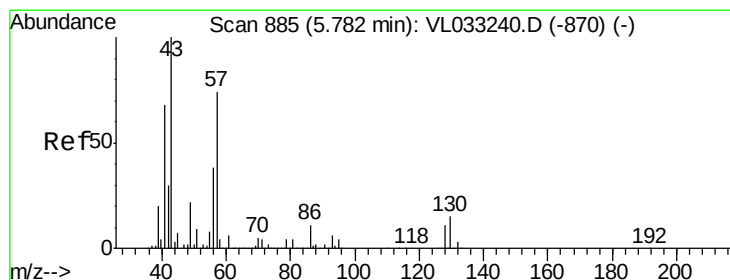
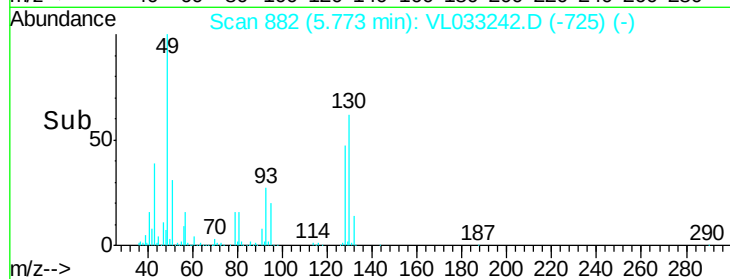
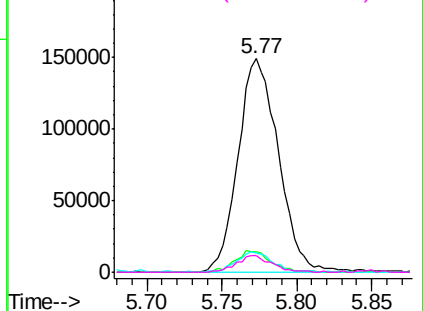


#25
Ethyl Acetate
Concen: 0.988 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033242.D
Acq: 6 Mar 2019 3:17

Tot Ion:	43	Resp:	279518
Ion	Ratio	Lower	Upper
43	100		
45	9.0	7.8	11.6
61	8.8	7.0	10.6
70	6.9	5.5	8.3

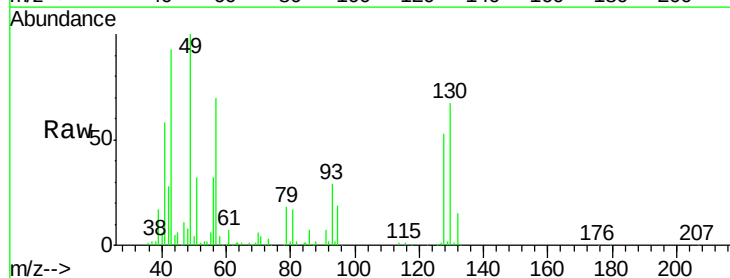


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

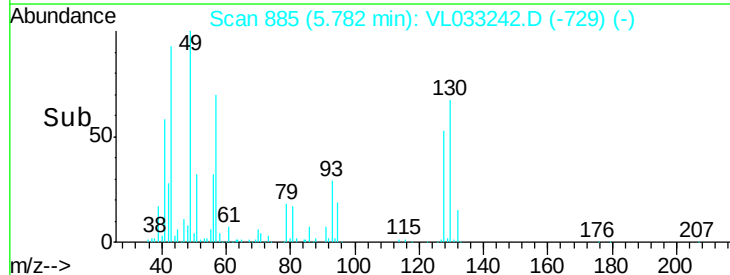
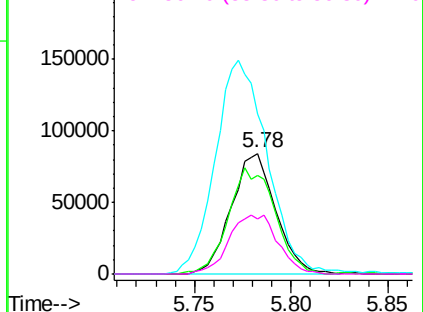


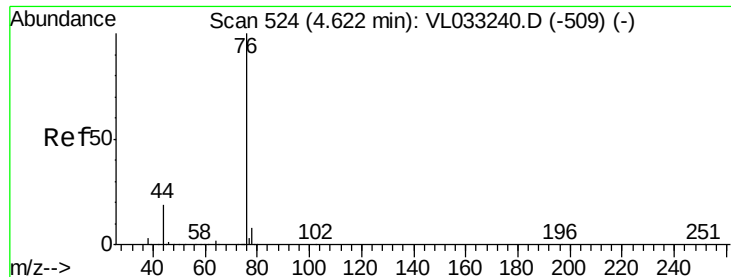
#26
Hexane
Concen: 1.012 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033242.D
Acq: 6 Mar 2019 3:17

Tgt Ion:	57	Resp:	133715
Ion	Ratio	Lower	Upper
57	100		
41	94.8	73.4	110.2
43	213.4	182.1	273.1
56	54.4	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: 0.974 ppbv

RT: 4.62 min Scan# 525

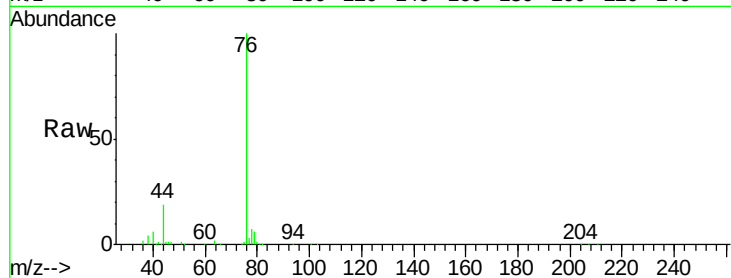
Delta R.T. 0.00 min

Lab File: VL033242.D

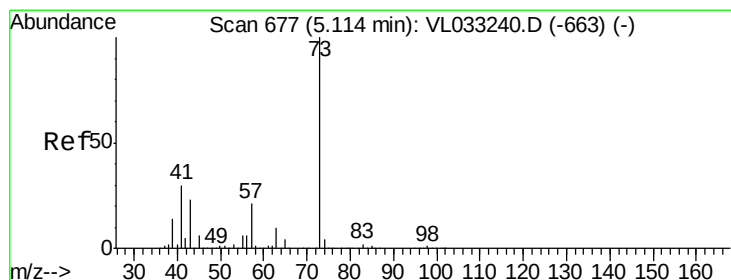
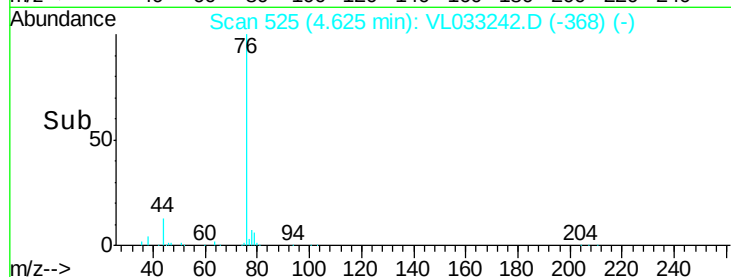
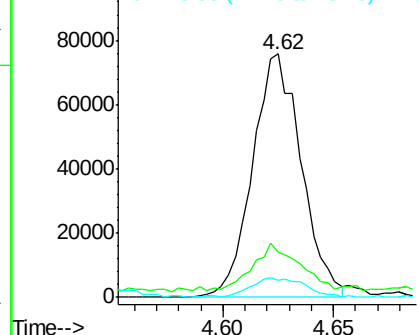
Acq: 6 Mar 2019 3:17

Tot Ion: 76 Resp: 115810

Ion	Ratio	Lower	Upper
76	100		
44	20.5	15.0	22.6
78	9.5	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: 0.937 ppbv

RT: 5.12 min Scan# 679

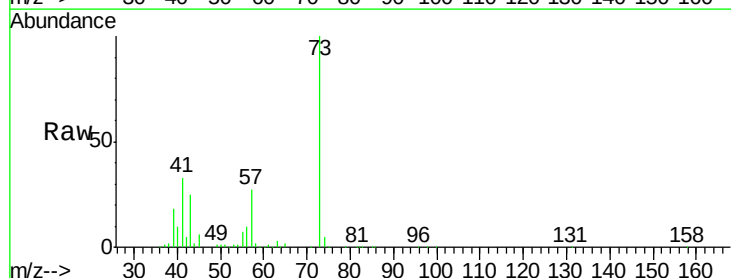
Delta R.T. 0.01 min

Lab File: VL033242.D

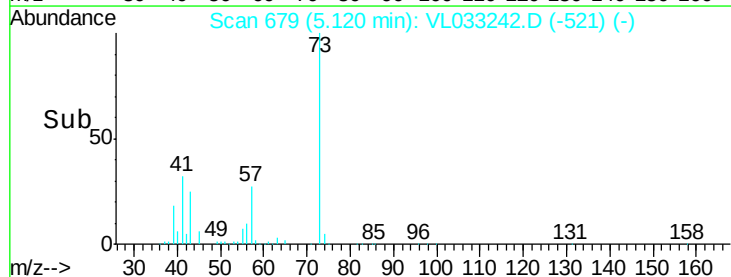
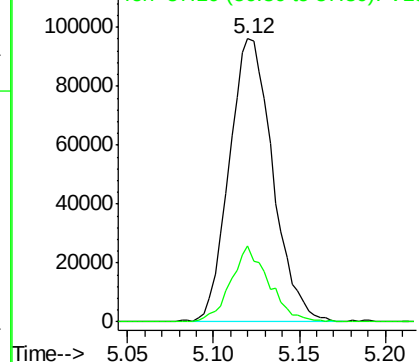
Acq: 6 Mar 2019 3:17

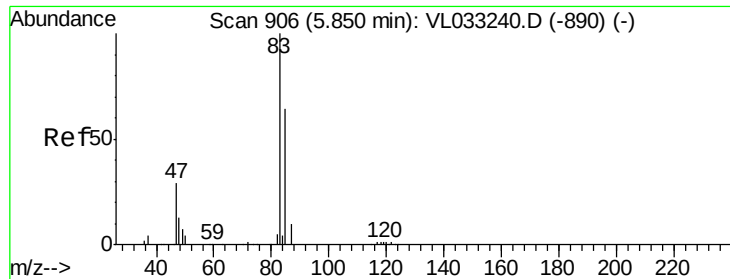
Tgt Ion: 73 Resp: 169564

Ion	Ratio	Lower	Upper
73	100		
57	23.6	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: 0.984 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL033242.D

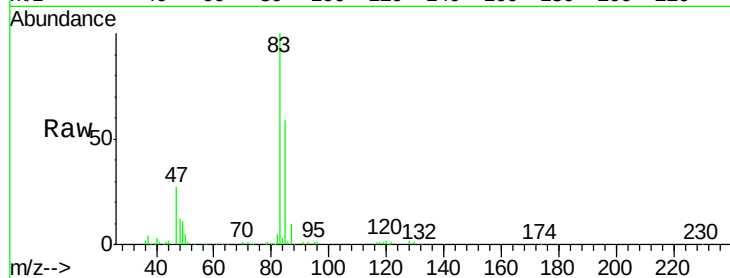
Acq: 6 Mar 2019 3:17

Tot Ion: 83 Resp: 199543

Ion Ratio Lower Upper

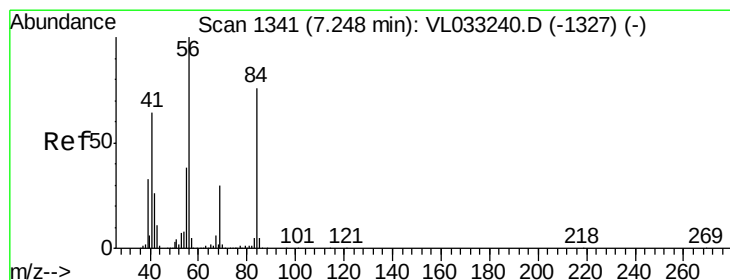
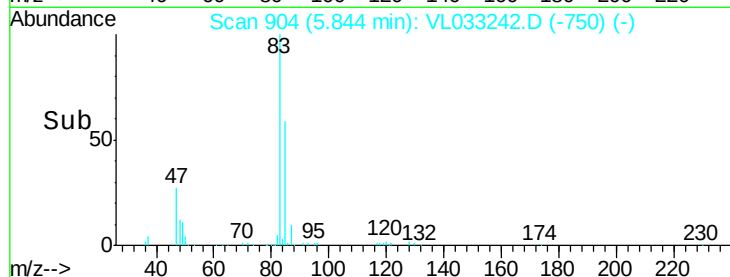
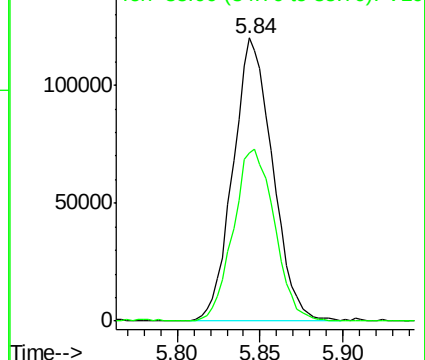
83 100

85 59.1 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: 0.759 ppbv

RT: 7.25 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

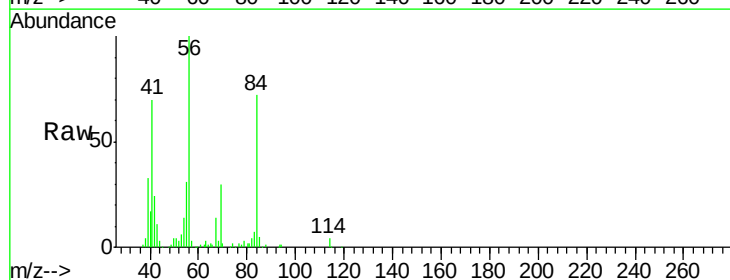
Tgt Ion: 84 Resp: 89731

Ion Ratio Lower Upper

84 100

56 137.5 113.1 169.7

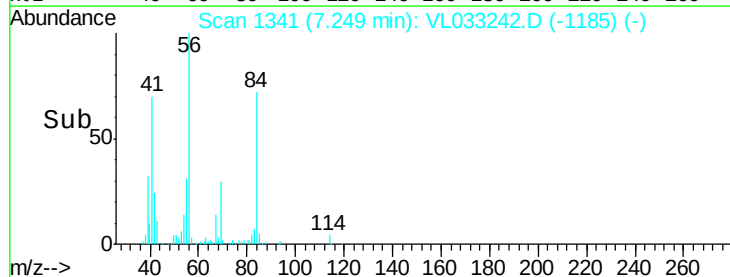
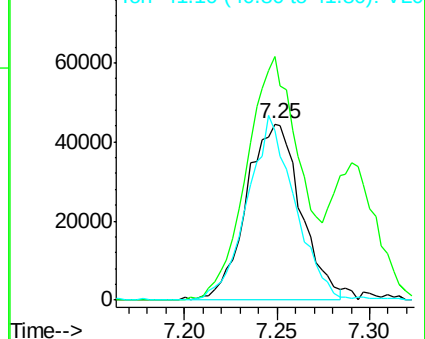
41 93.2 70.8 106.2

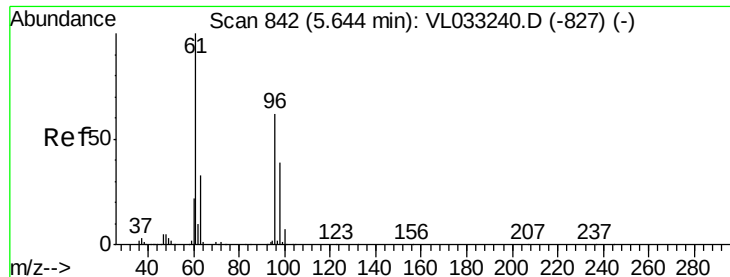


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

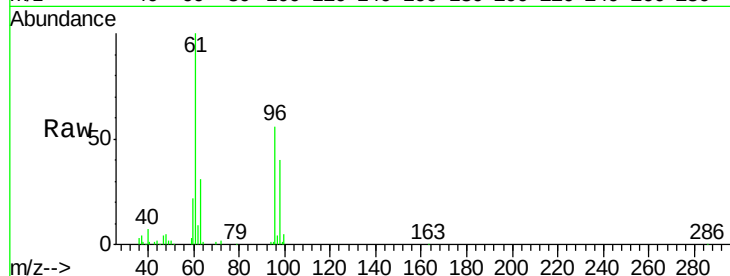




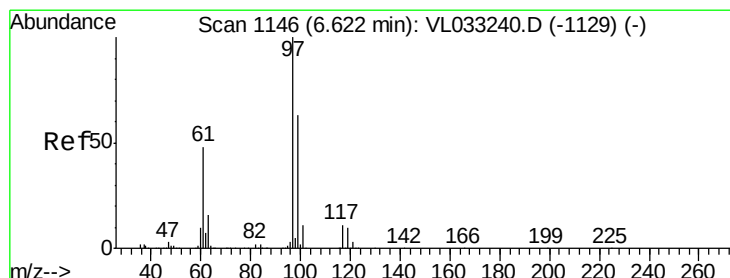
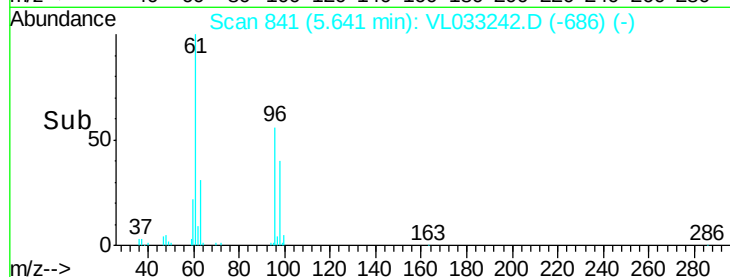
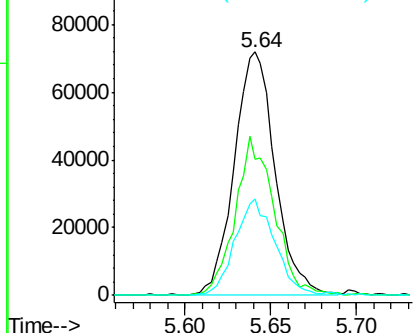
#31

cis-1,2-Dichloroethene
 Concen: 0.900 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033242.D
 Acq: 6 Mar 2019 3:17

Tot Ion:	61	Resp:	118937
Ion	Ratio	Lower	Upper
61	100		
96	55.7	49.4	74.0
98	39.7	31.2	46.8



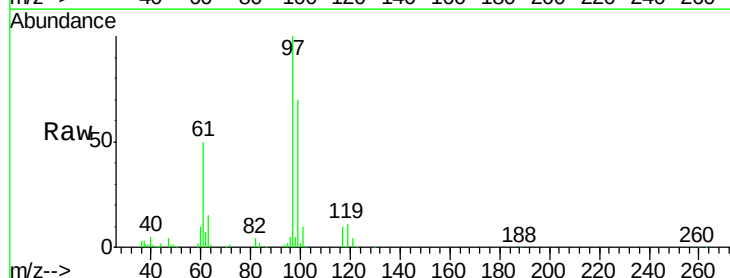
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



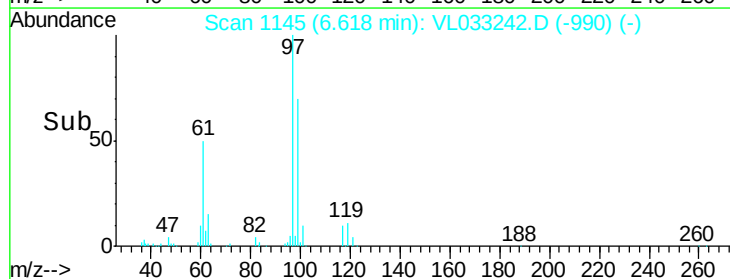
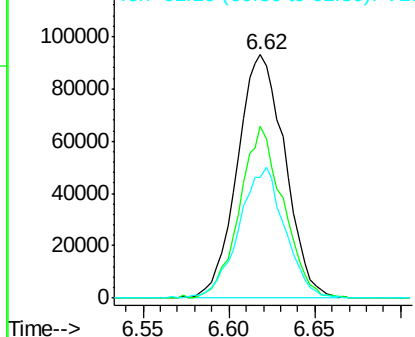
#32

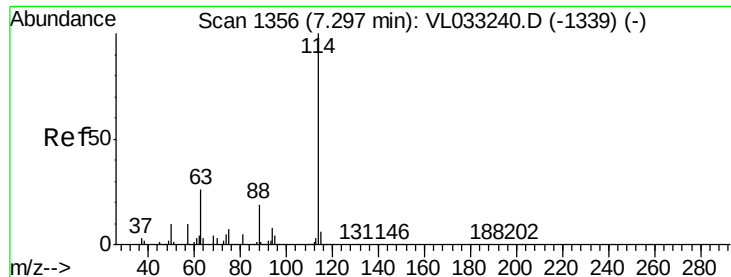
1,1,1-Trichloroethane
 Concen: 0.794 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VL033242.D
 Acq: 6 Mar 2019 3:17

Tgt Ion:	97	Resp:	177858
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	52.4	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: 7.29 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

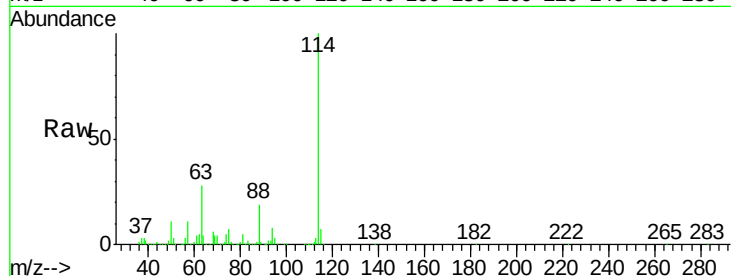
Tot Ion:114 Resp: 2453449

Ion Ratio Lower Upper

114 100

63 27.1 22.0 33.0

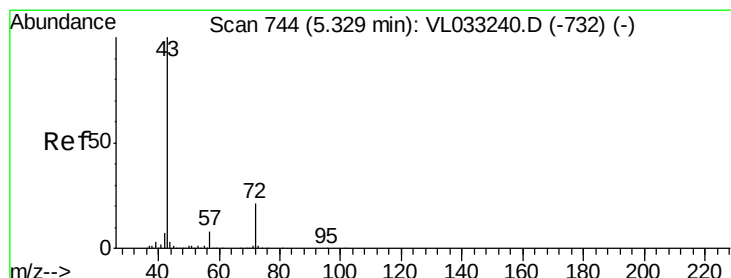
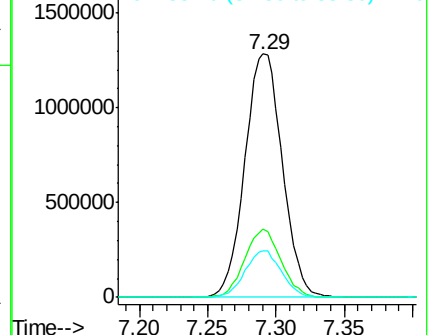
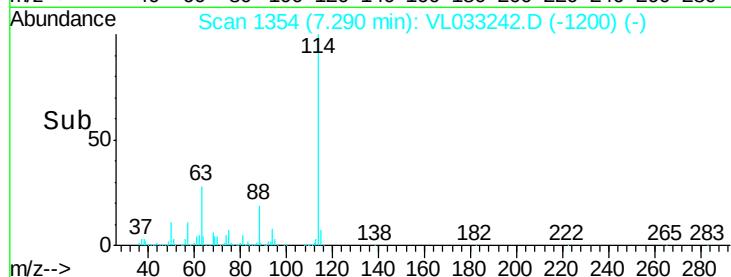
88 18.7 15.0 22.4



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: 1.083 ppbv

RT: 5.34 min Scan# 746

Delta R.T. 0.01 min

Lab File: VL033242.D

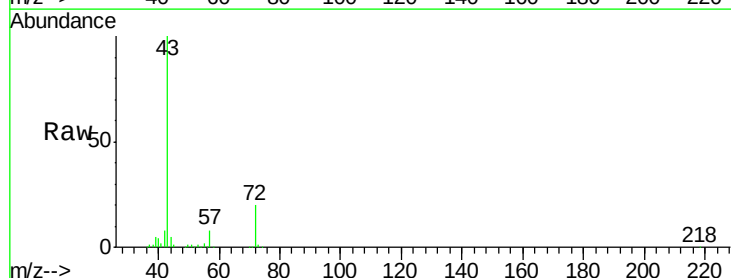
Acq: 6 Mar 2019 3:17

Tgt Ion: 43 Resp: 174595

Ion Ratio Lower Upper

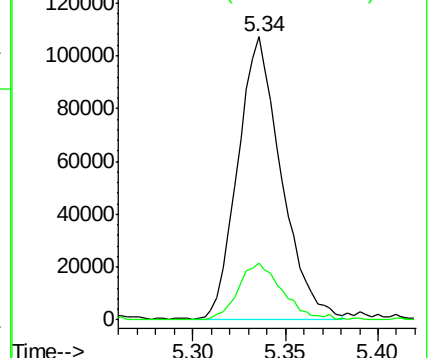
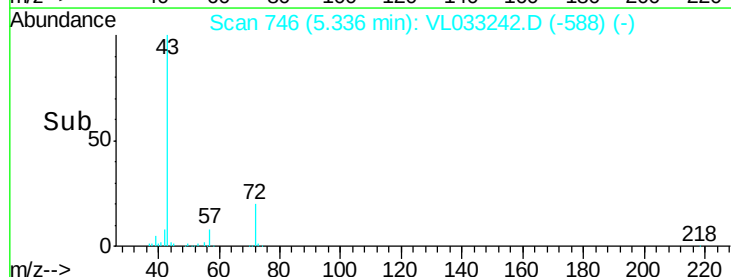
43 100

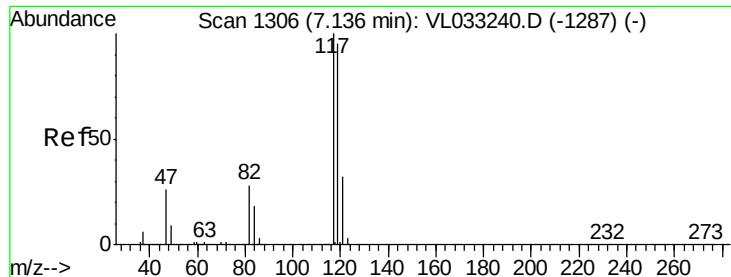
72 20.5 17.1 25.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.980 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

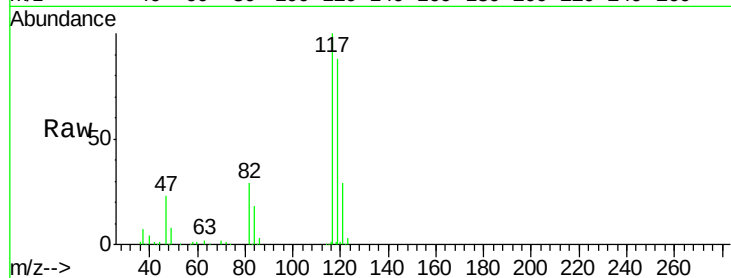
Tot Ion:117 Resp: 185313

Ion Ratio Lower Upper

117 100

119 88.5 75.8 113.6

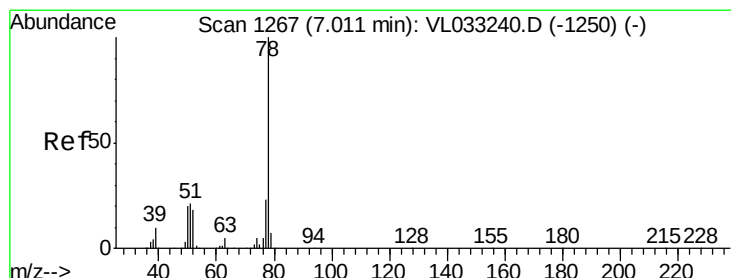
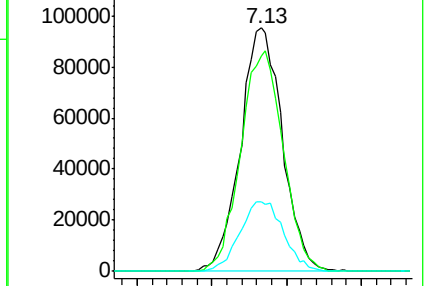
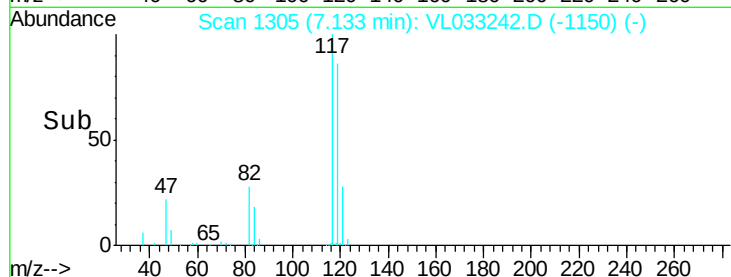
121 29.1 25.6 38.4



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: 0.942 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

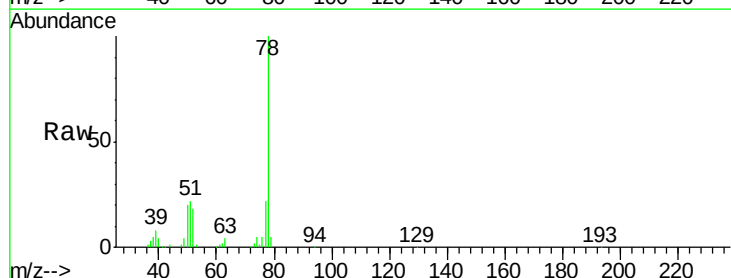
Tgt Ion: 78 Resp: 238991

Ion Ratio Lower Upper

78 100

77 22.3 18.0 27.0

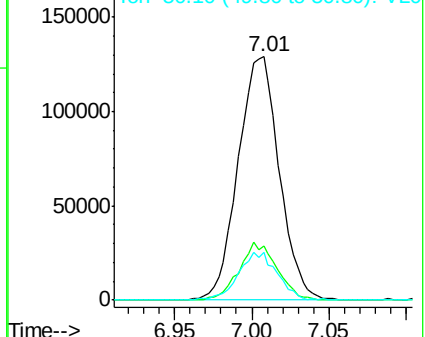
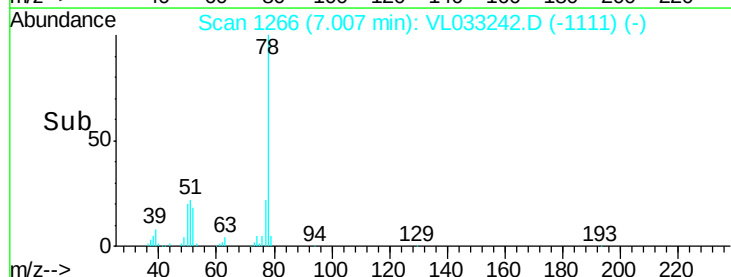
50 19.7 16.2 24.4

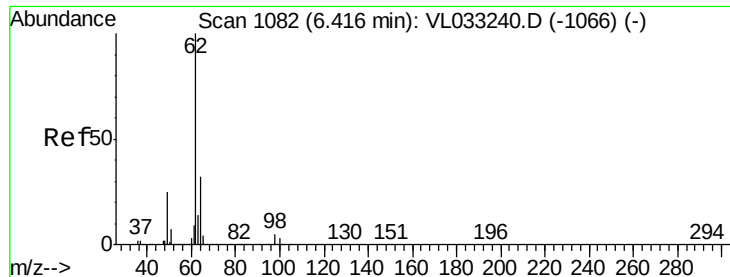


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 1.019 ppbv

RT: 6.41 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VL033242.D

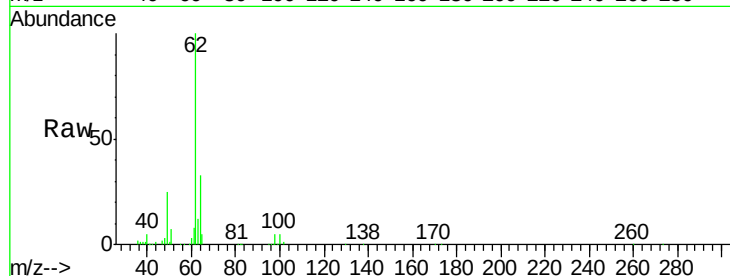
Acq: 6 Mar 2019 3:17

Tot Ion: 62 Resp: 146482

Ion Ratio Lower Upper

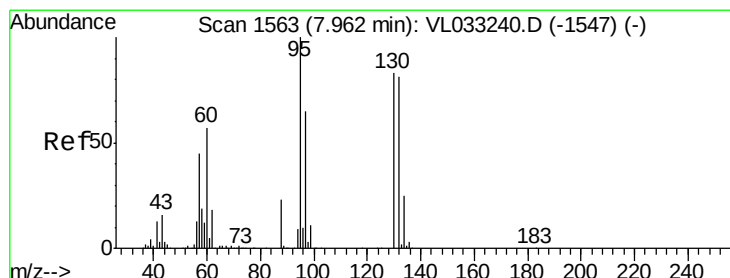
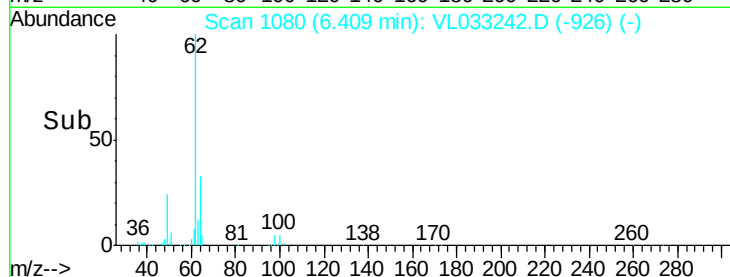
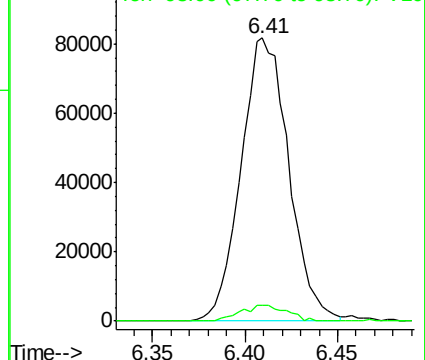
62 100

98 5.6 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.840 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

Tgt Ion: 130 Resp: 89756

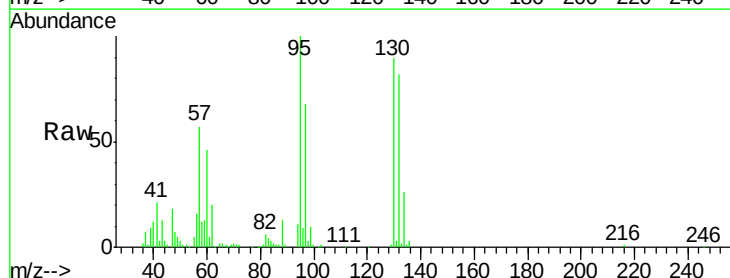
Ion Ratio Lower Upper

130 100

95 111.7 95.7 143.5

132 91.2 77.4 116.2

97 75.2 62.5 93.7

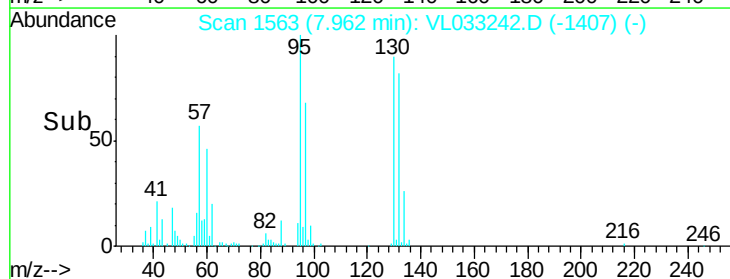
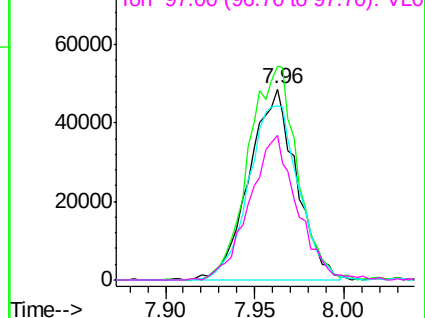


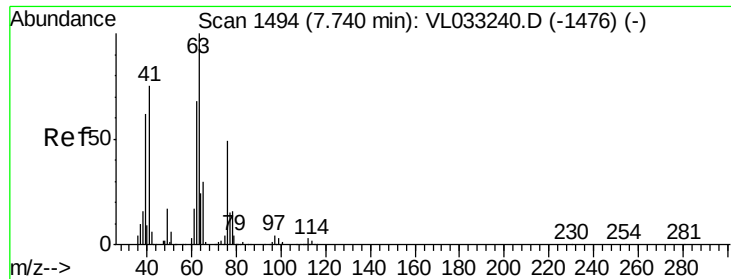
Abundance Ion 130.00 (129.70 to 130.70): V

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





#39

1,2-Dichloropropane

Concen: 0.897 ppbv m

RT: 7.74 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

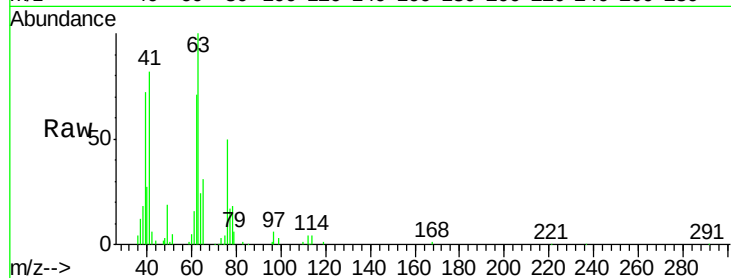
Tot Ion: 63 Resp: 88320

Ion	Ratio	Lower	Upper
63	100		
41	81.9	60.0	90.0
62	71.0	54.2	81.4

63 100

41 81.9 60.0 90.0

62 71.0 54.2 81.4

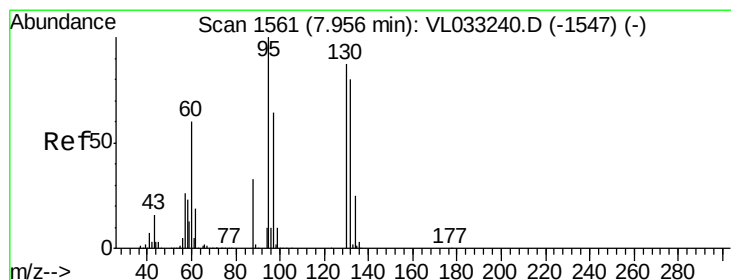
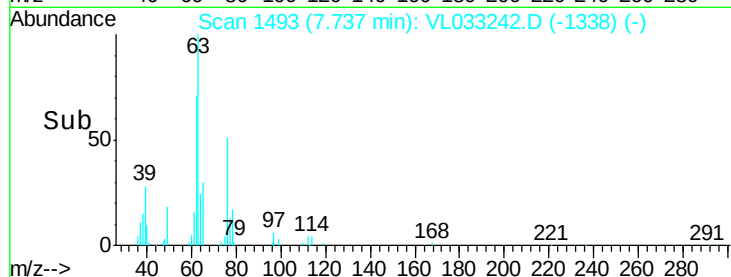
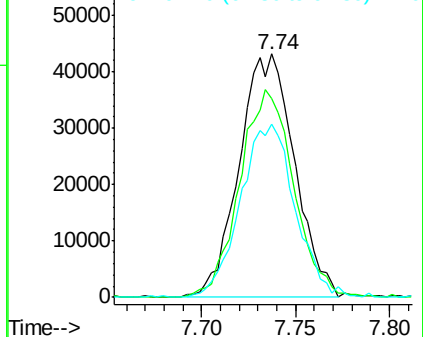


Abundance

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: 1.019 ppbv m

RT: 7.98 min Scan# 1569

Delta R.T. 0.03 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

Tgt Ion: 88 Resp: 36285

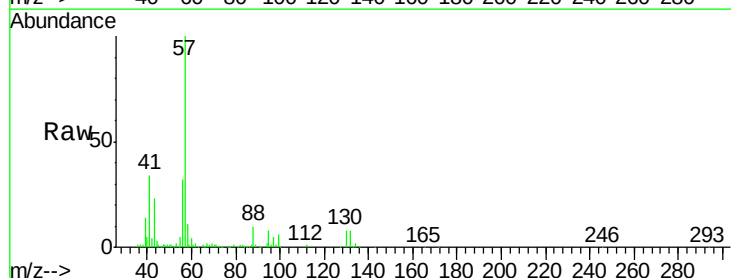
Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.1	157.7#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

88 100

58 0.0 105.1 157.7#

43 0.0 0.0 0.0

57 0.0 0.0 0.0



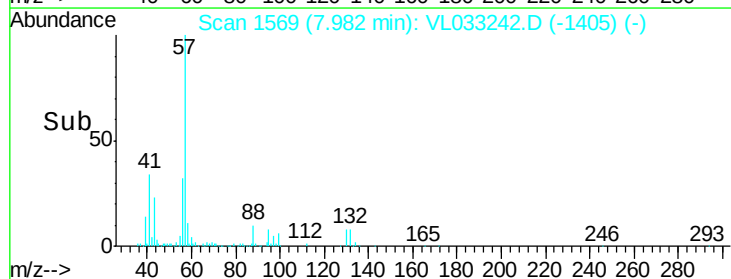
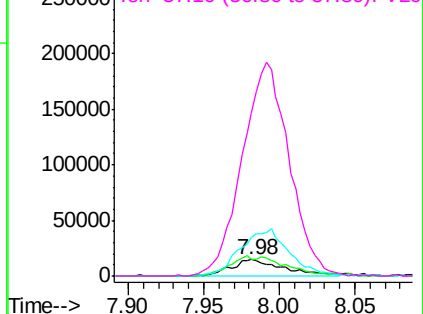
Abundance

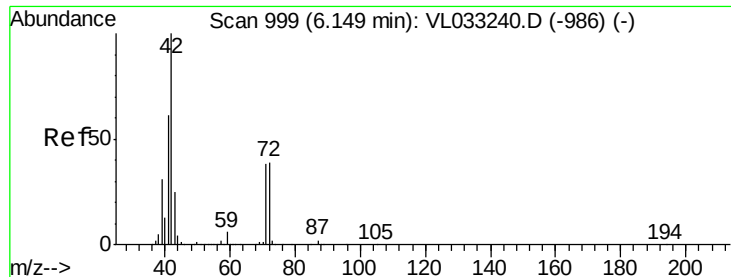
Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 0.988 ppbv

RT: 6.17 min Scan# 1004

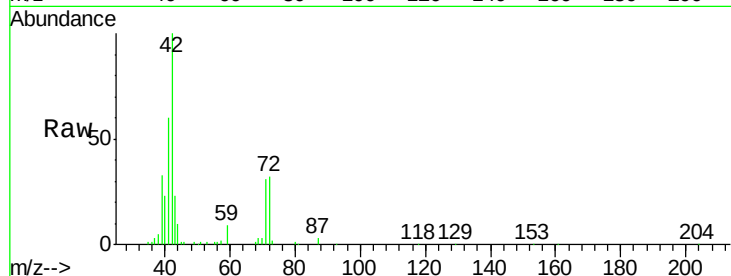
Delta R.T. 0.02 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

Tot Ion: 42 Resp: 97872

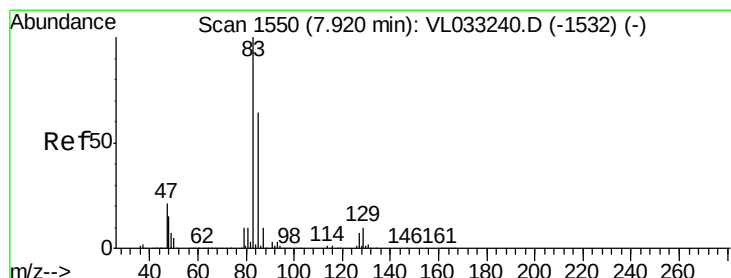
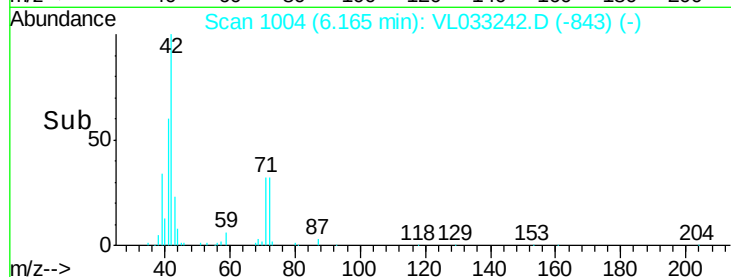
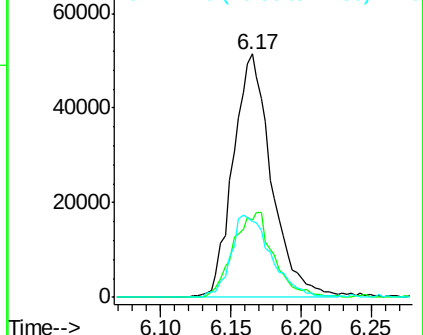
Ion	Ratio	Lower	Upper
42	100		
72	37.1	30.2	45.4
71	35.4	29.6	44.4



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: 0.994 ppbv

RT: 7.91 min Scan# 1548

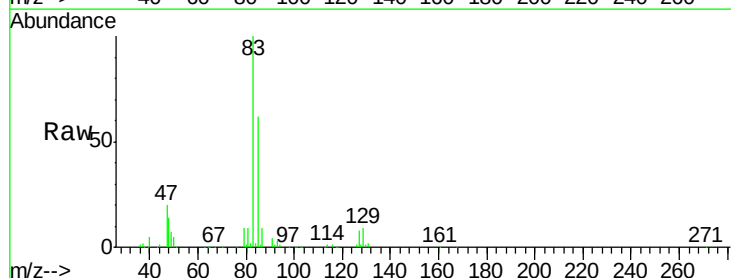
Delta R.T. -0.01 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

Tgt Ion: 83 Resp: 201430

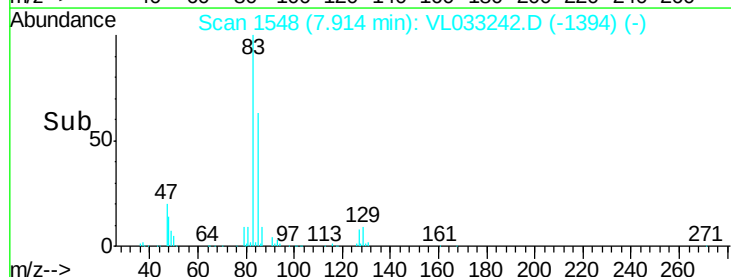
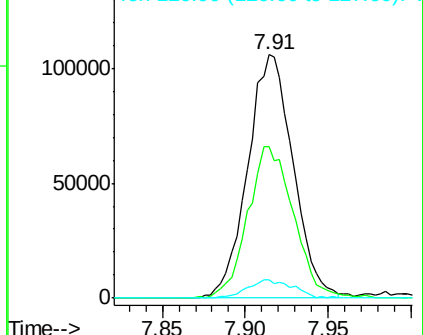
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.5	77.3
127	7.8	5.9	8.9

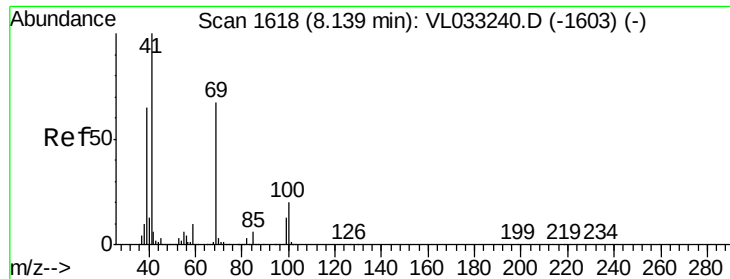


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 0.864 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

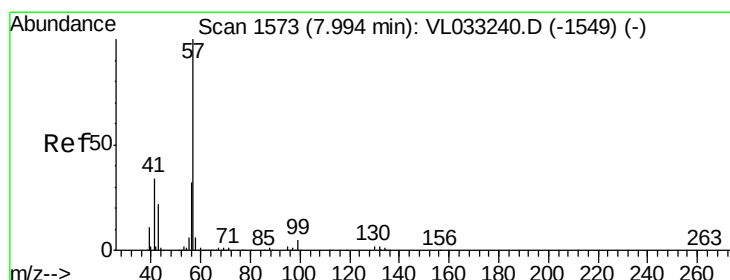
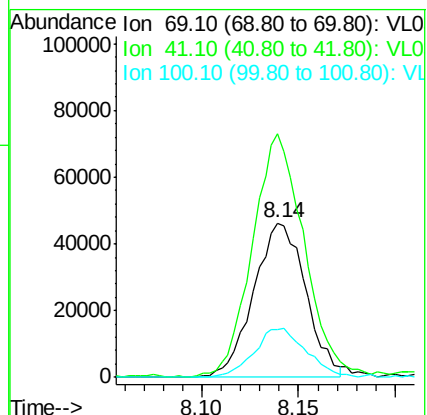
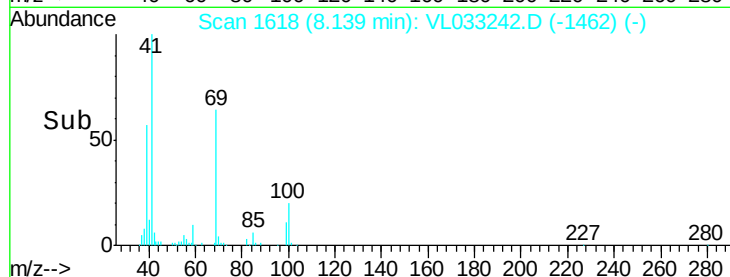
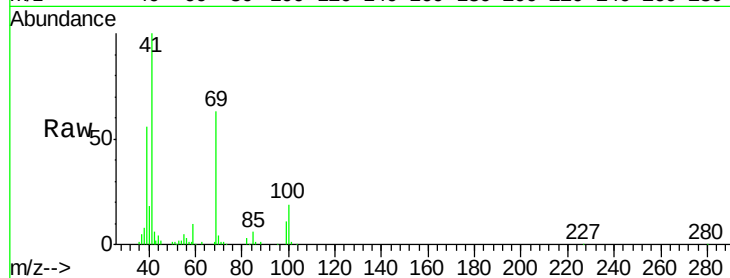
Tot Ion: 69 Resp: 86716

Ion Ratio Lower Upper

69 100

41 156.8 120.9 181.3

100 32.3 24.4 36.6



#44

2,2,4-Trimethylpentane

Concen: 0.970 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

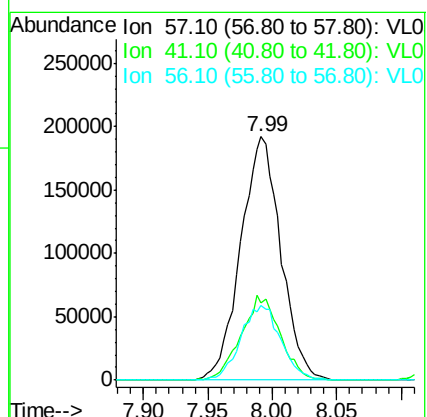
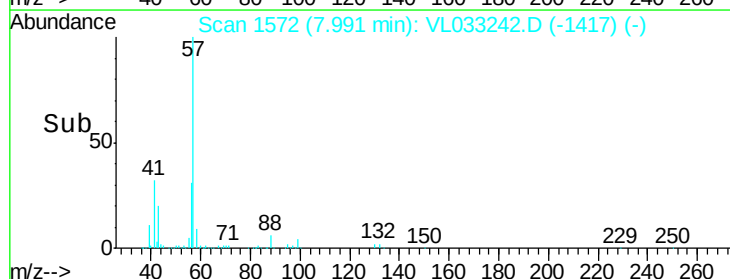
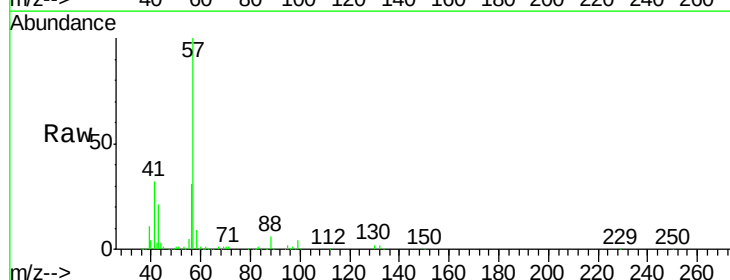
Tgt Ion: 57 Resp: 413138

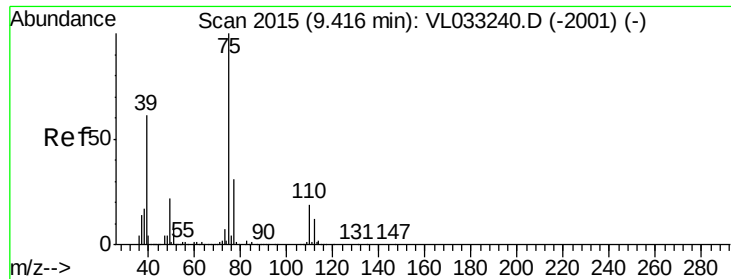
Ion Ratio Lower Upper

57 100

41 34.0 26.1 39.1

56 31.0 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 0.888 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. 0.00 min

Lab File: VL033242.D

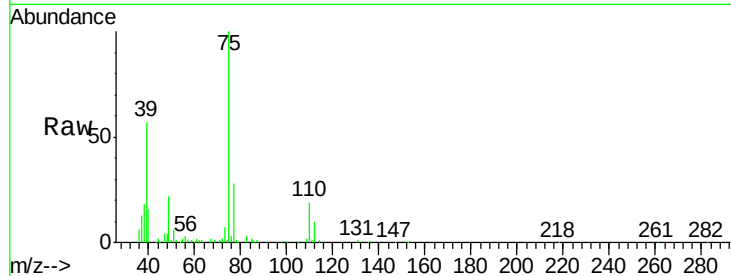
Acq: 6 Mar 2019 3:17

Tot Ion: 75 Resp: 99250

Ion Ratio Lower Upper

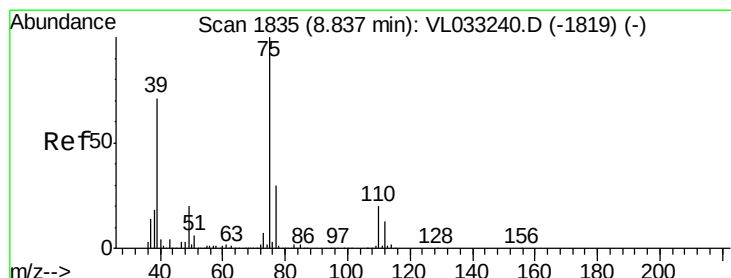
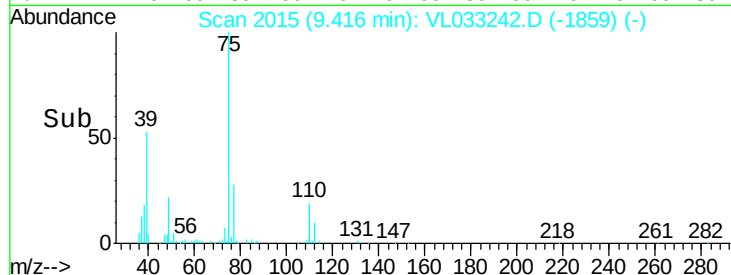
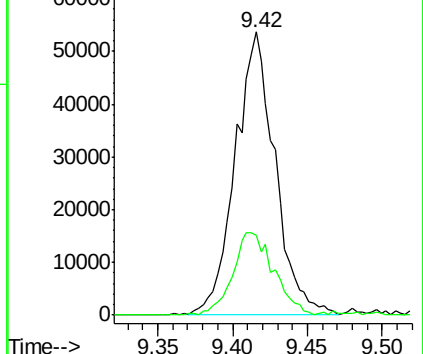
75 100

77 28.3 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: 0.859 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

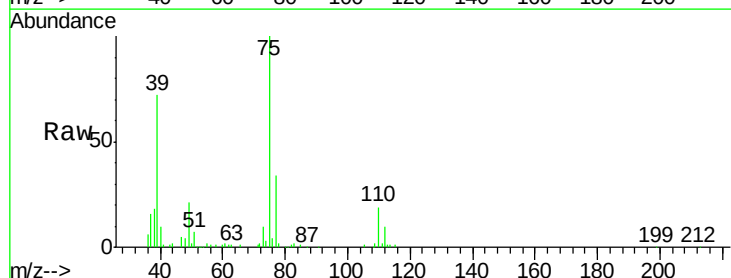
Tgt Ion: 75 Resp: 122155

Ion Ratio Lower Upper

75 100

39 70.4 57.0 85.6

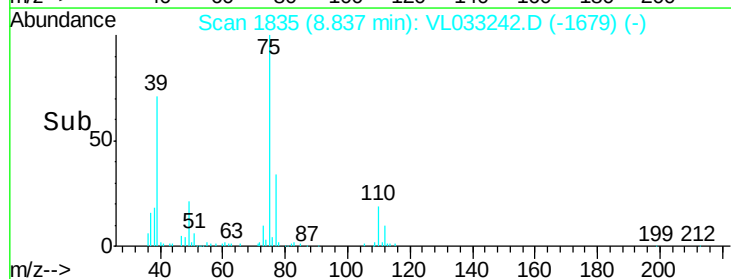
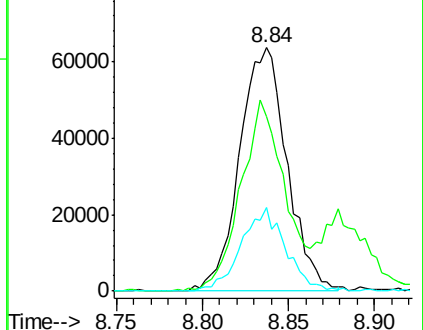
77 34.3 24.0 36.0

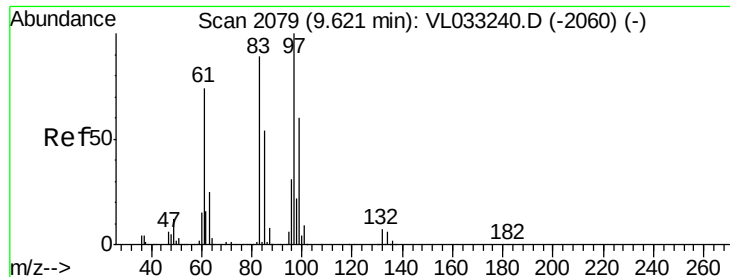


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.938 ppbv

RT: 9.61 min Scan# 2076

Delta R.T. -0.01 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

Tot Ion: 97 Resp: 96031

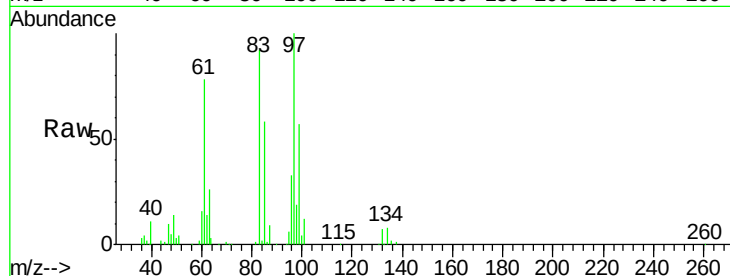
Ion Ratio Lower Upper

97 100

83 91.6 71.1 106.7

85 56.2 42.9 64.3

99 57.0 48.2 72.4

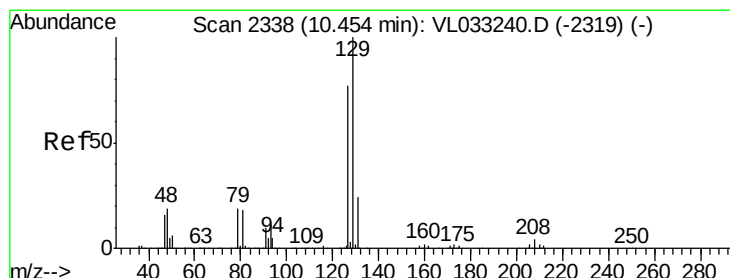
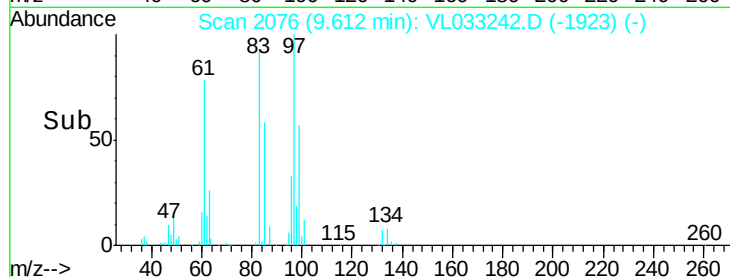
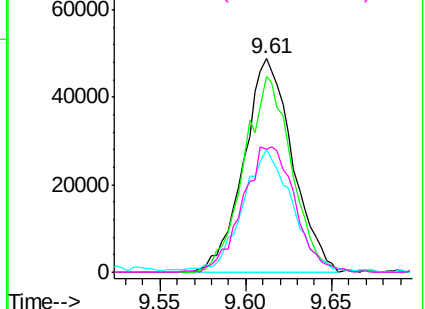


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.903 ppbv m

RT: 10.44 min Scan# 2335

Delta R.T. -0.01 min

Lab File: VL033242.D

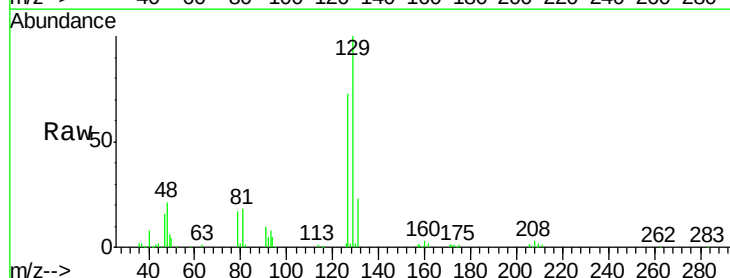
Acq: 6 Mar 2019 3:17

Tgt Ion: 129 Resp: 146232

Ion Ratio Lower Upper

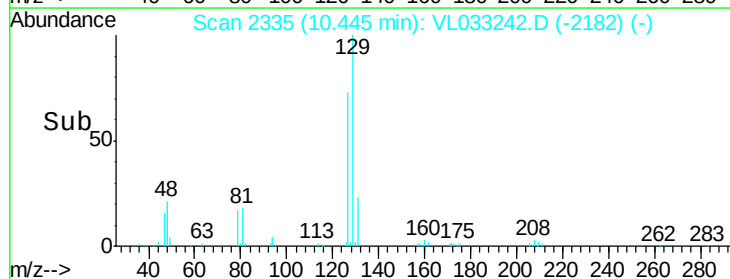
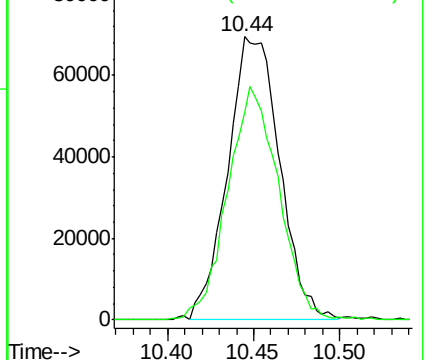
129 100

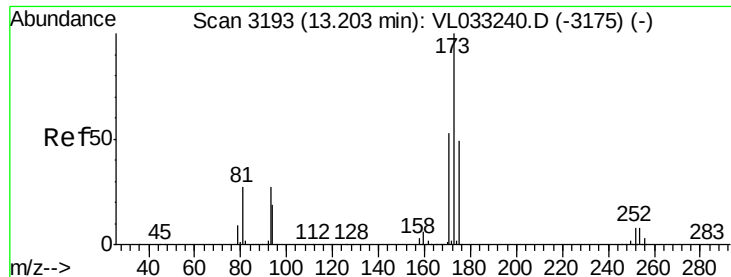
127 80.8 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.837 ppbv m

RT: 13.20 min Scan# 3193

Delta R.T. 0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

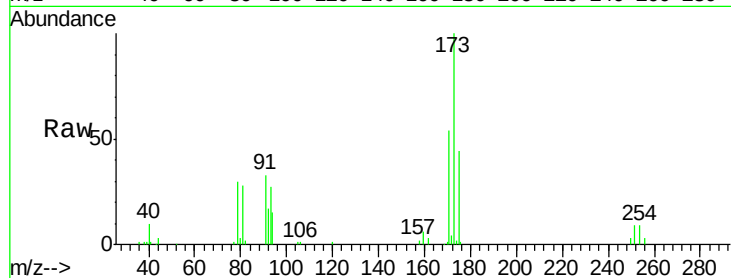
Tot Ion:173 Resp: 115343

Ion Ratio Lower Upper

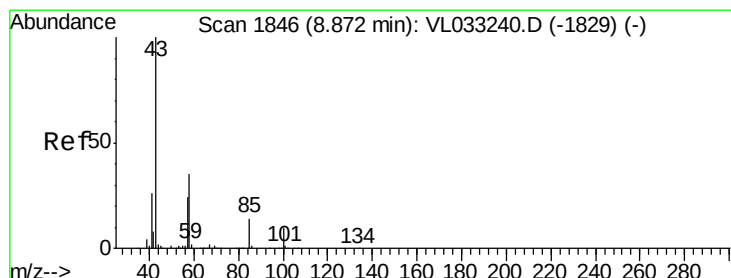
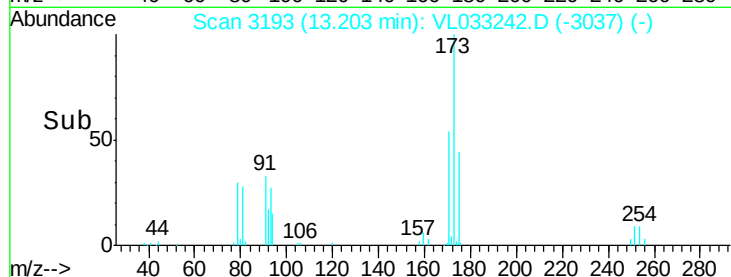
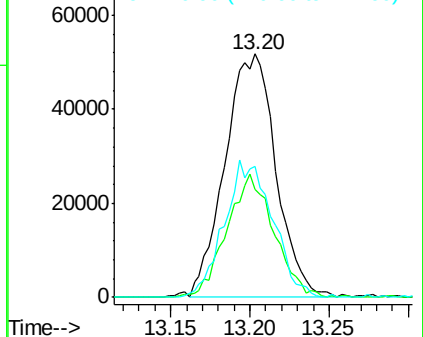
173 100

175 0.0 38.9 58.3#

171 53.7 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: 0.981 ppbv

RT: 8.88 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL033242.D

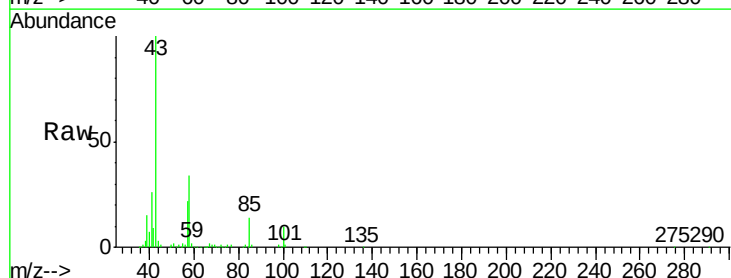
Acq: 6 Mar 2019 3:17

Tgt Ion: 43 Resp: 248303

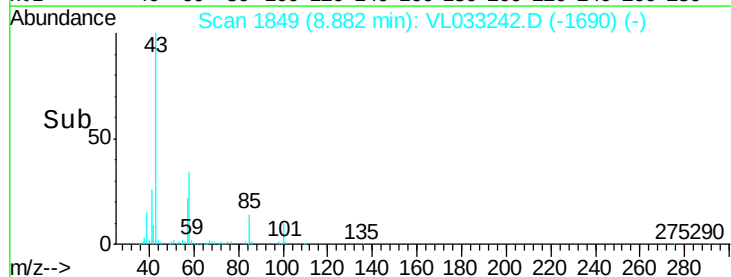
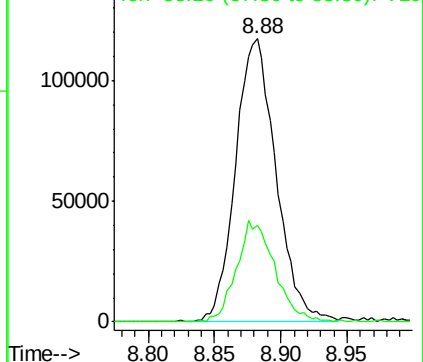
Ion Ratio Lower Upper

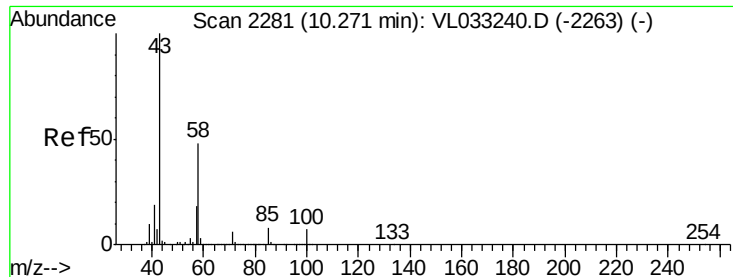
43 100

58 34.1 27.8 41.6



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





#51

2-Hexanone

Concen: 0.922 ppbv

RT: 10.28 min Scan# 2285

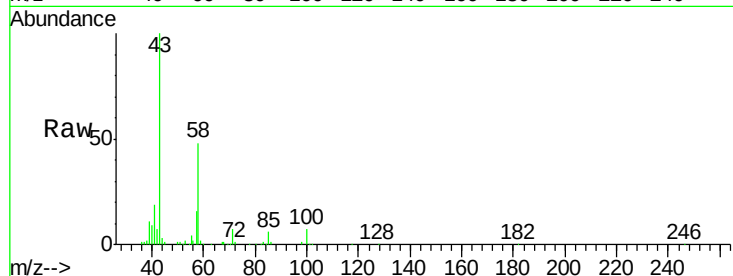
Delta R.T. 0.01 min

Lab File: VL033242.D

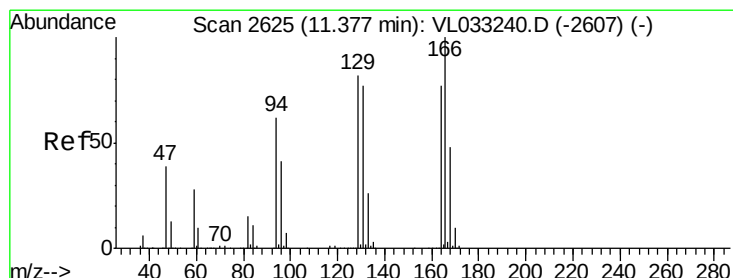
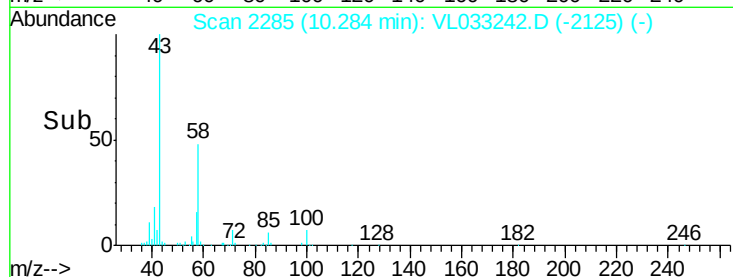
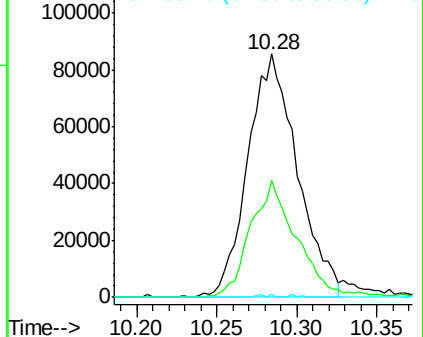
Acq: 6 Mar 2019 3:17

Tot Ion: 43 Resp: 182676

Ion	Ratio	Lower	Upper
43	100		
58	45.8	38.2	57.2
98	0.6	0.2	0.4#



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



#52

Tetrachloroethene

Concen: 0.902 ppbv

RT: 11.37 min Scan# 2623

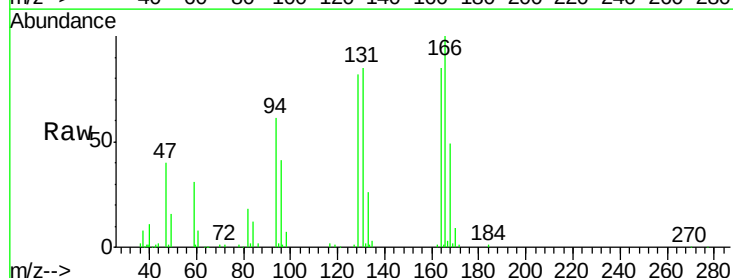
Delta R.T. -0.01 min

Lab File: VL033242.D

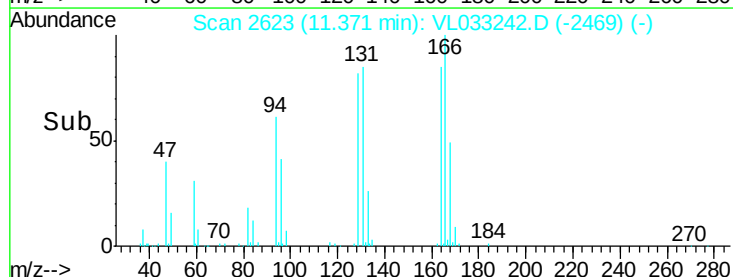
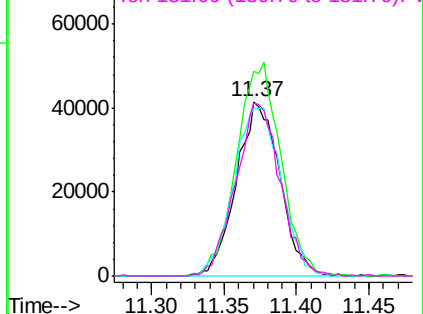
Acq: 6 Mar 2019 3:17

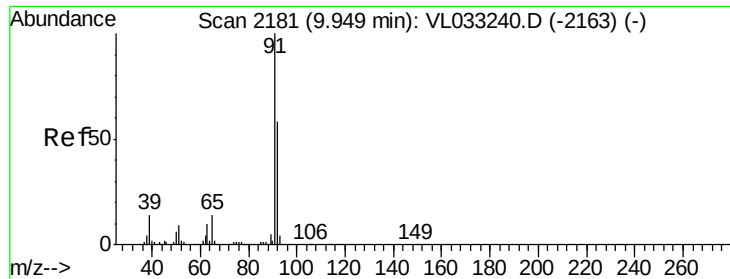
Tgt Ion: 164 Resp: 86599

Ion	Ratio	Lower	Upper
164	100		
166	117.0	103.3	154.9
129	96.5	84.4	126.6
131	99.5	79.4	119.0



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





#53

Toluene

Concen: 0.866 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033242.D

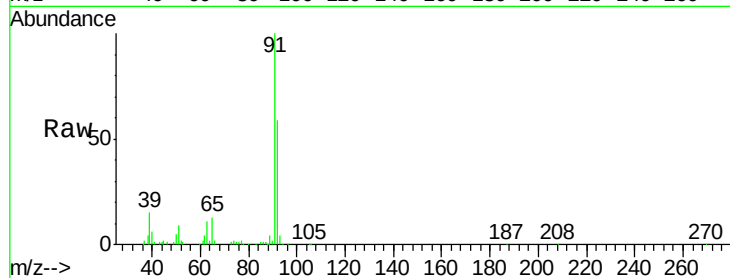
Acq: 6 Mar 2019 3:17

Tot Ion: 91 Resp: 255811

Ion Ratio Lower Upper

91 100

92 60.1 47.4 71.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

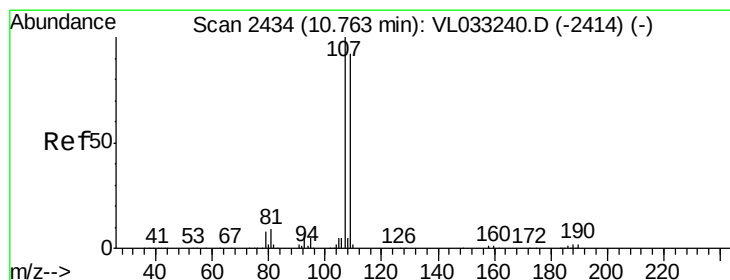
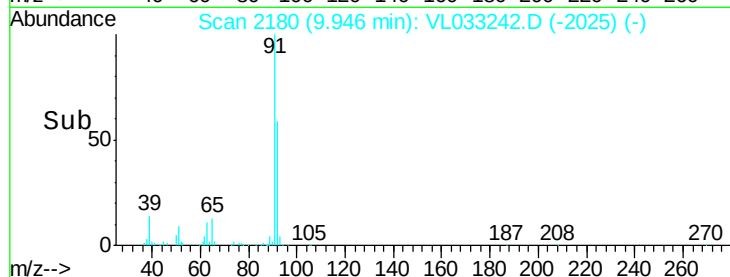
150000

100000

50000

0

Time--> 9.85 9.90 9.95 10.00



#54

1,2-Dibromoethane

Concen: 0.908 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL033242.D

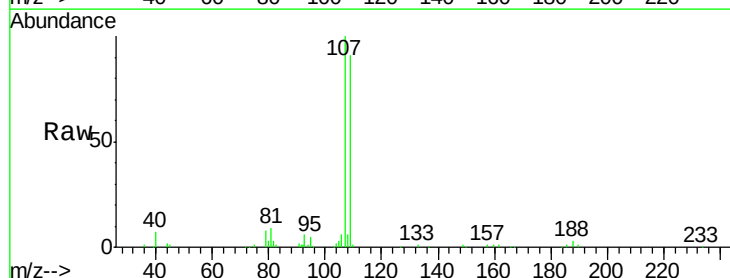
Acq: 6 Mar 2019 3:17

Tgt Ion: 107 Resp: 145205

Ion Ratio Lower Upper

107 100

109 91.2 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

80000

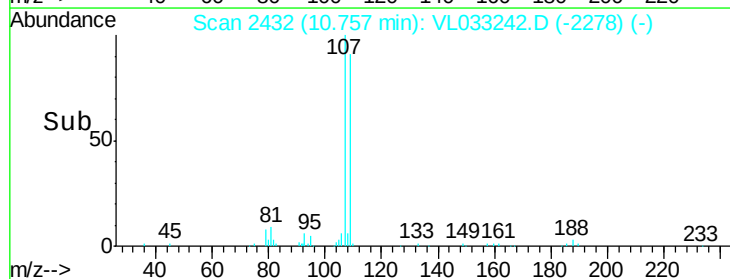
60000

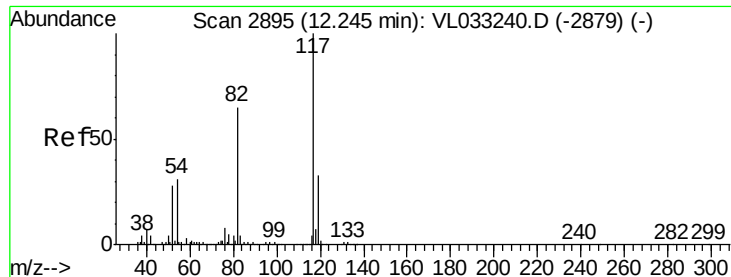
40000

20000

0

Time--> 10.70 10.75 10.80





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

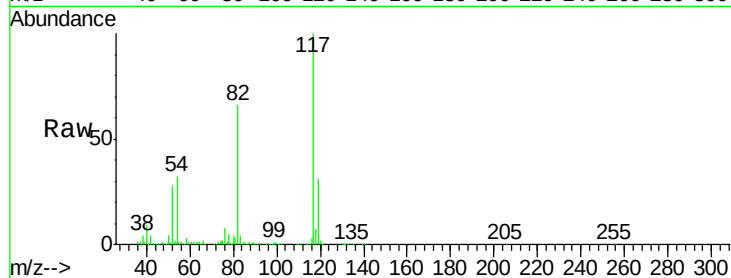
Tot Ion:117 Resp: 2433518

Ion Ratio Lower Upper

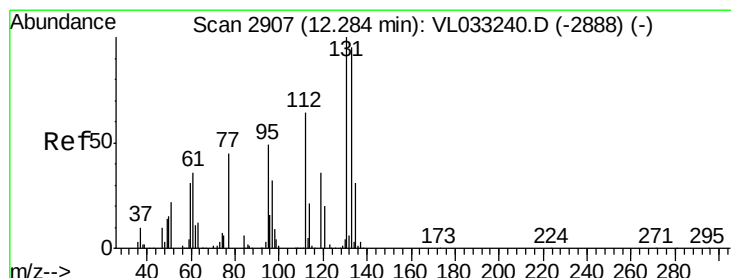
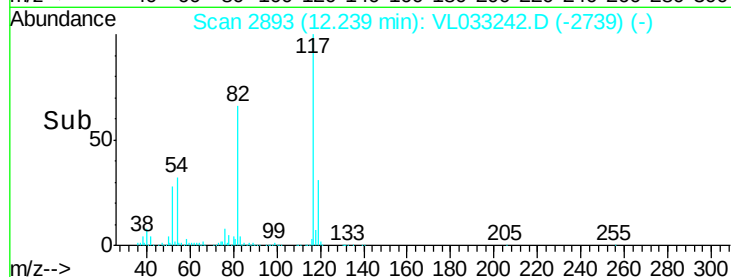
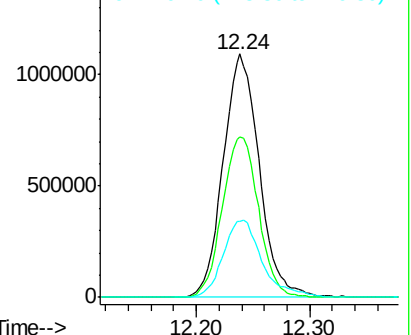
117 100

82 66.3 51.8 77.8

119 34.2 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: 1.008 ppbv

RT: 12.28 min Scan# 2905

Delta R.T. -0.01 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

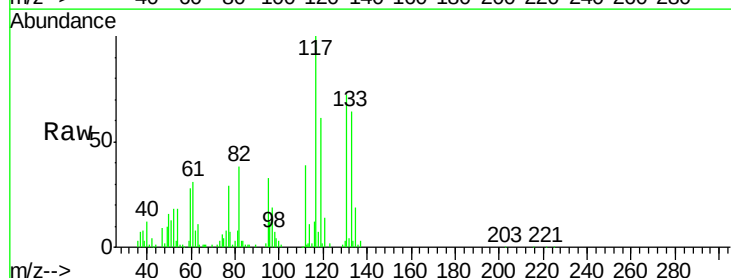
Tgt Ion:131 Resp: 113188

Ion Ratio Lower Upper

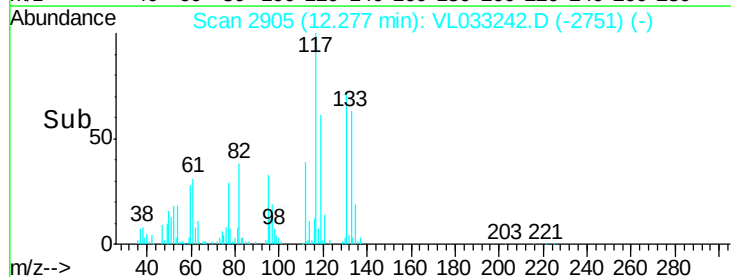
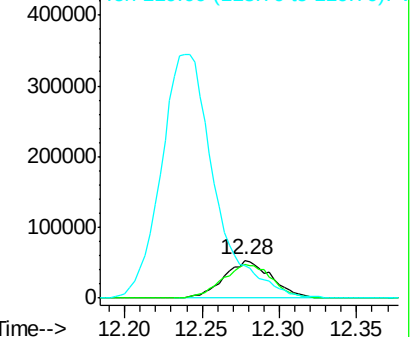
131 100

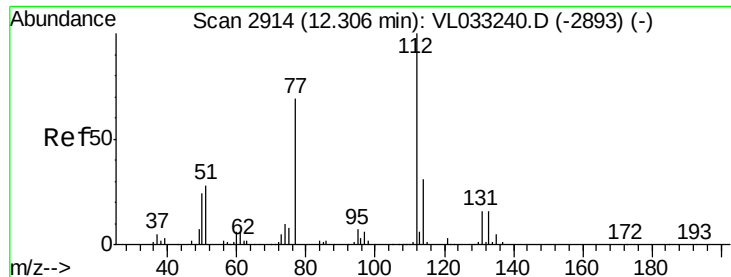
133 93.6 76.2 114.2

119 736.6 108.9 163.3#



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: 0.979 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. -0.01 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

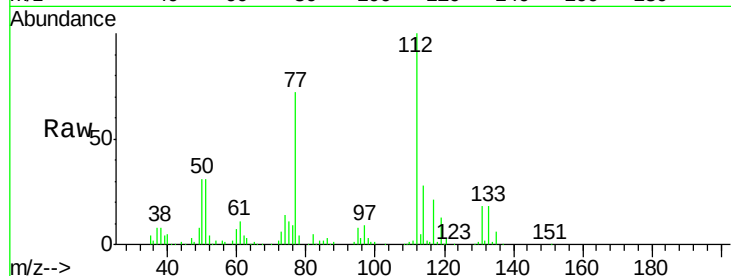
Tot Ion: 112 Resp: 207551

Ion Ratio Lower Upper

112 100

77 70.4 56.5 84.7

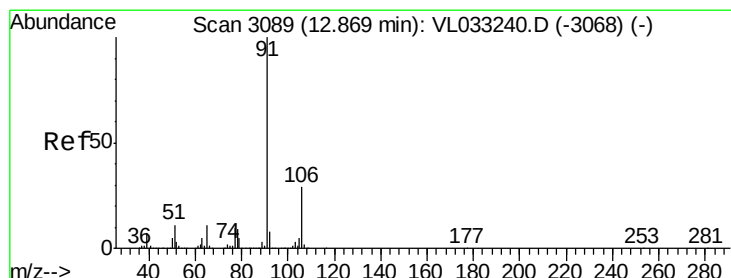
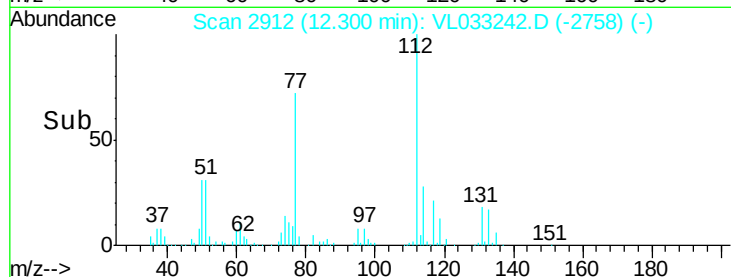
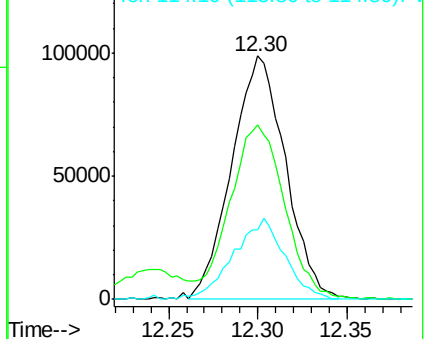
114 28.0 28.4 34.7#



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: 0.901 ppbv

RT: 12.87 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VL033242.D

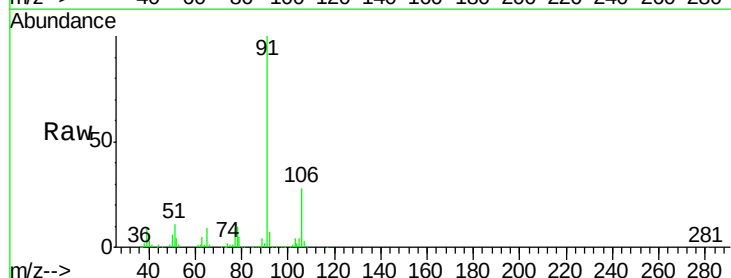
Acq: 6 Mar 2019 3:17

Tgt Ion: 91 Resp: 354679

Ion Ratio Lower Upper

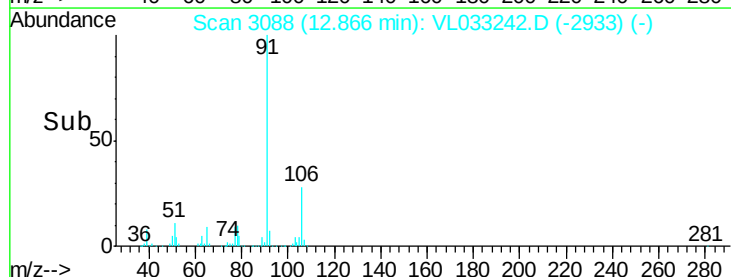
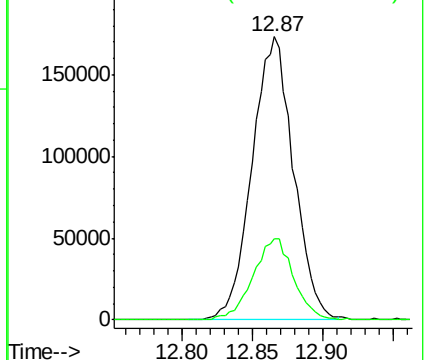
91 100

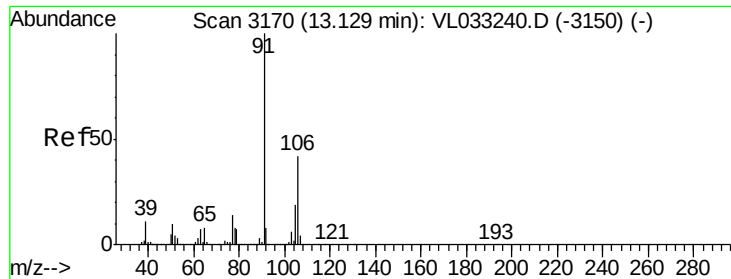
106 28.5 23.5 35.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

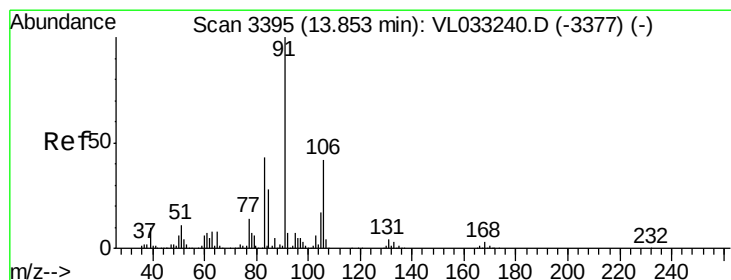
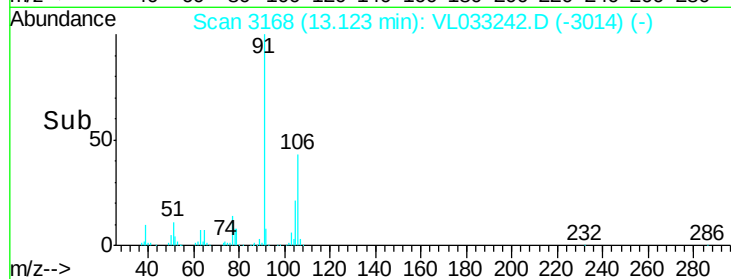
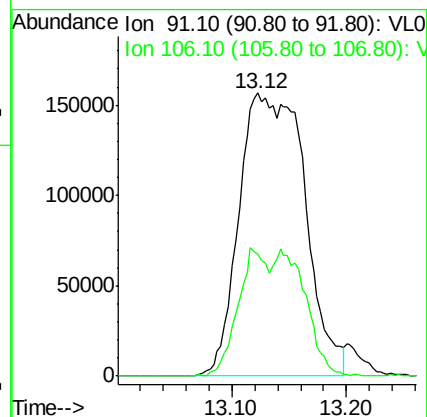
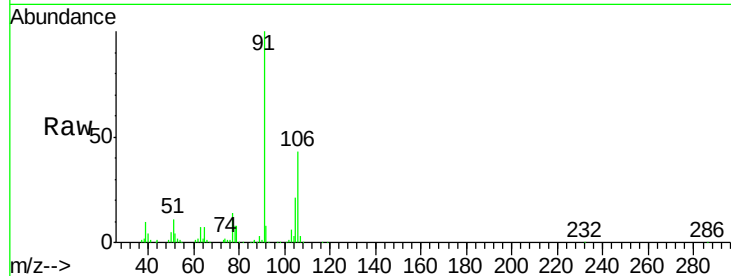
Ion 106.10 (105.80 to 106.80): V





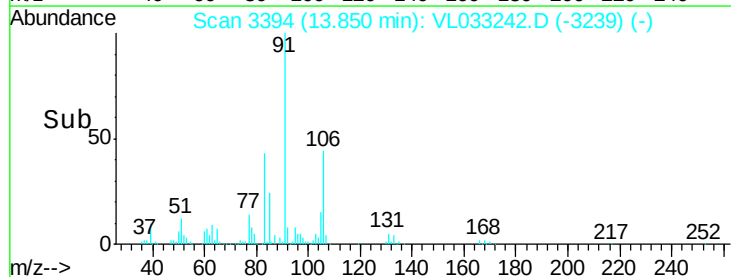
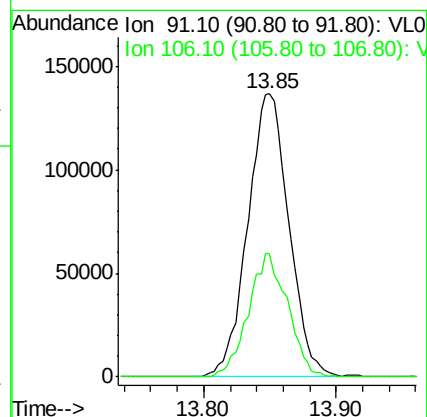
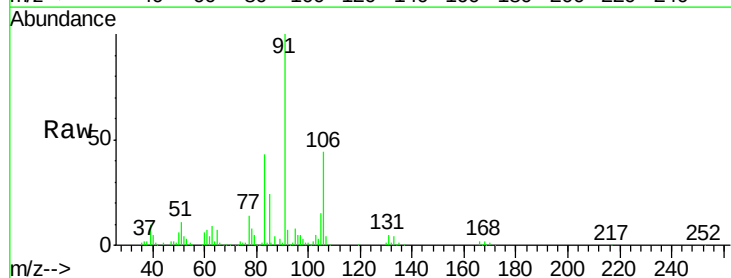
#59
m/p-Xylene
Concen: 1.886 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033242.D
Acq: 6 Mar 2019 3:17

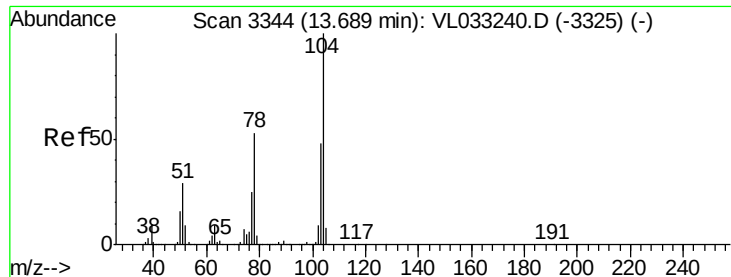
Tot Ion: 91 Resp: 619126
Ion Ratio Lower Upper
91 100
106 43.0 35.6 53.4



#60
o-Xylene
Concen: 0.923 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033242.D
Acq: 6 Mar 2019 3:17

Tgt Ion: 91 Resp: 294979
Ion Ratio Lower Upper
91 100
106 41.7 21.4 64.3





#61

Stvrene

Concen: 0.808 ppbv

RT: 13.69 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

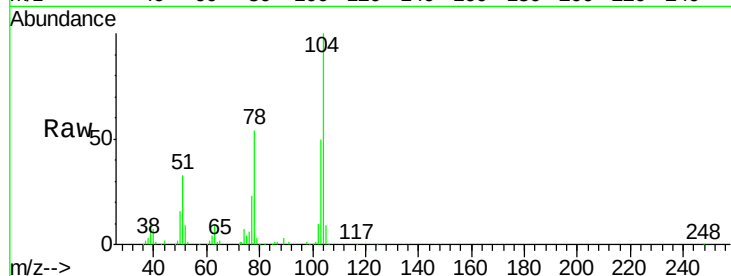
Tot Ion:104 Resp: 192897

Ion Ratio Lower Upper

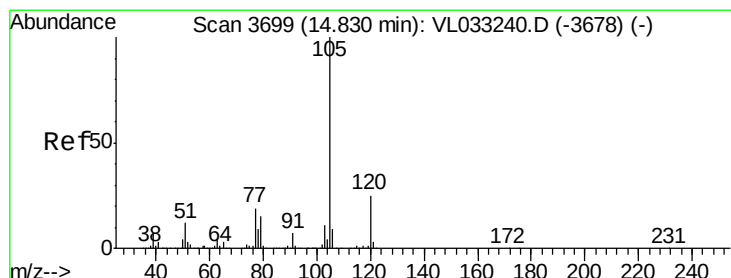
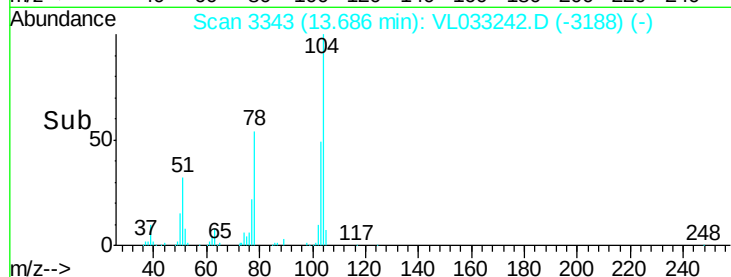
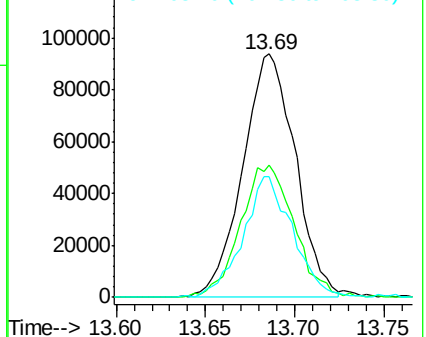
104 100

78 56.0 43.7 65.5

103 47.6 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: 0.896 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. -0.01 min

Lab File: VL033242.D

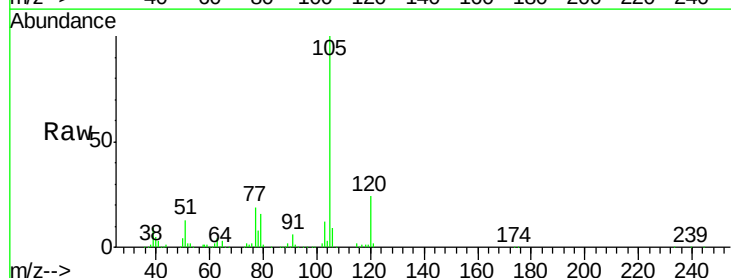
Acq: 6 Mar 2019 3:17

Tgt Ion:105 Resp: 401400

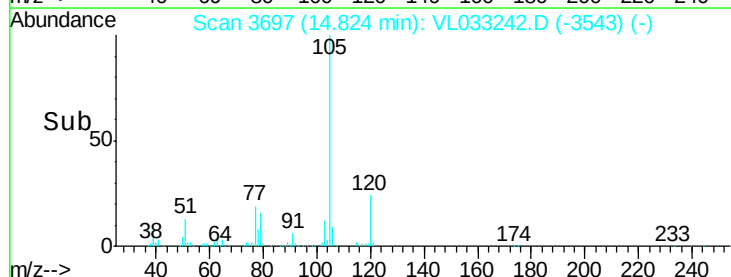
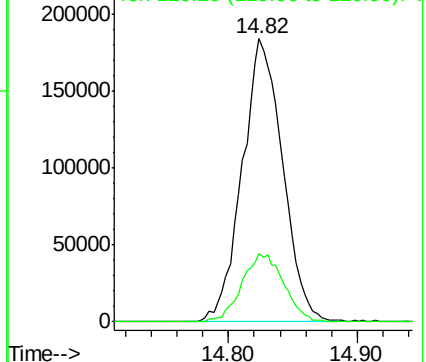
Ion Ratio Lower Upper

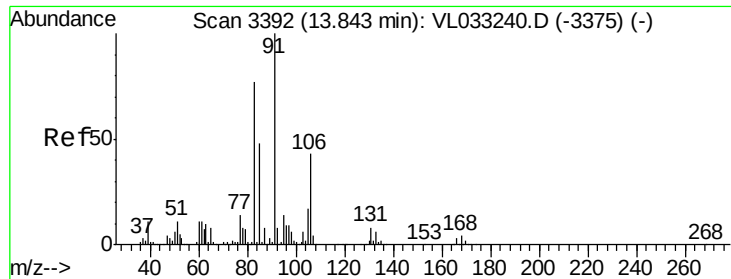
105 100

120 24.8 20.1 30.1



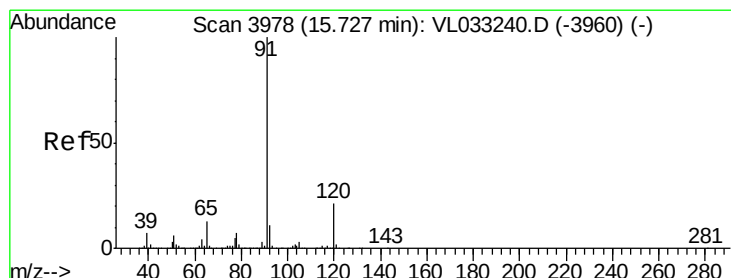
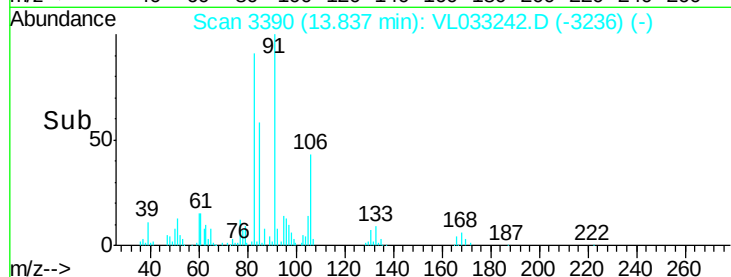
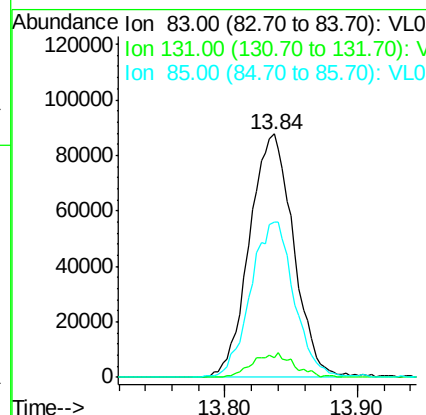
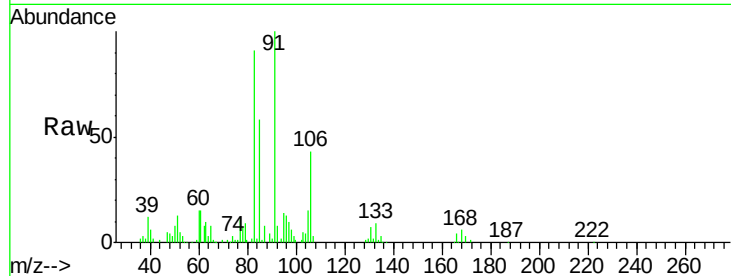
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





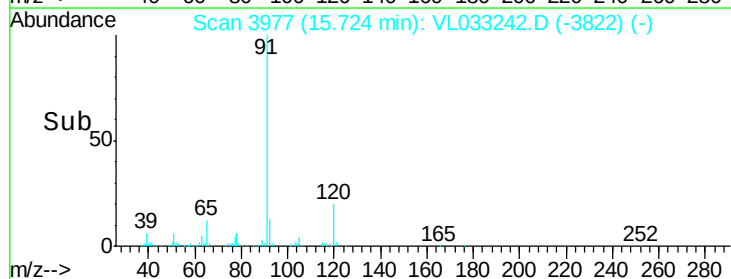
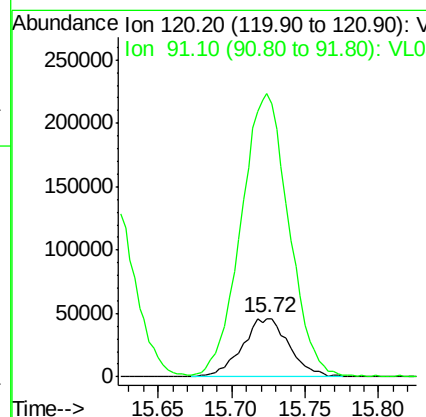
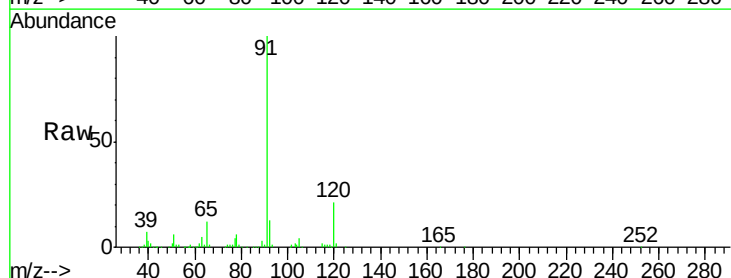
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.809 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.01 min
 Lab File: VL033242.D
 Acq: 6 Mar 2019 3:17

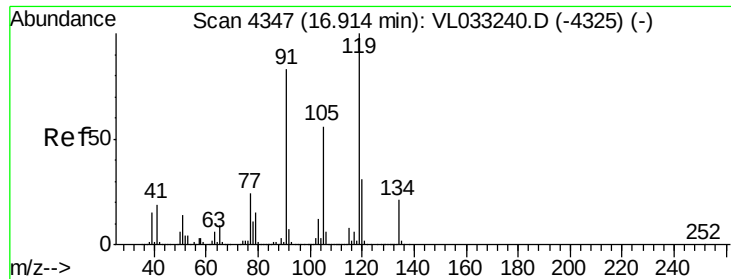
Tot Ion: 83 Resp: 201518
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.0
 85 63.6 32.6 97.8



#64
 n-propylbenzene
 Concen: 0.900 ppbv m
 RT: 15.72 min Scan# 3977
 Delta R.T. -0.00 min
 Lab File: VL033242.D
 Acq: 6 Mar 2019 3:17

Tgt Ion: 120 Resp: 101883
 Ion Ratio Lower Upper
 120 100
 91 496.8 392.2 588.4





#65

tert-Butylbenzene

Concen: 0.909 ppbv

RT: 16.91 min Scan# 4346

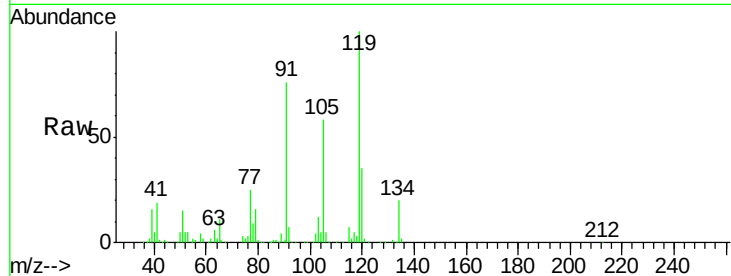
Delta R.T. -0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

Tot Ion: 119 Resp: 353457

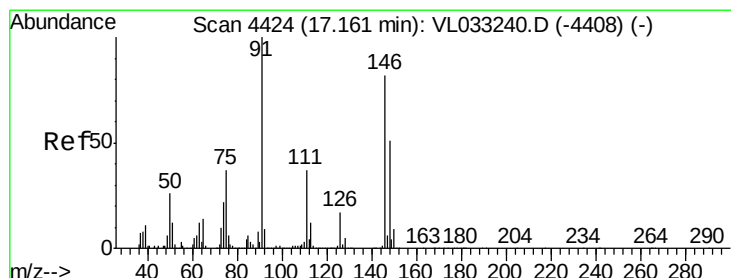
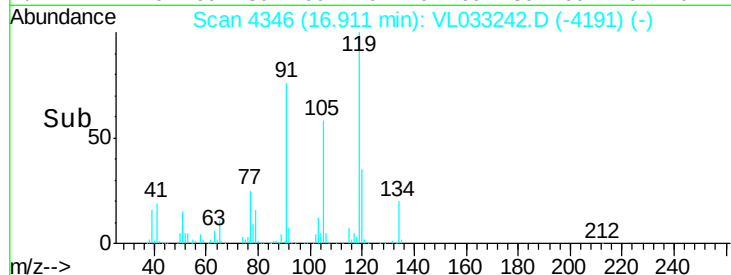
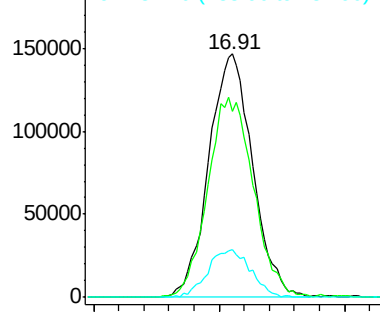
Ion	Ratio	Lower	Upper
119	100		
91	86.6	67.0	100.4
134	19.3	15.4	23.2



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: 0.758 ppbv

RT: 17.15 min Scan# 4422

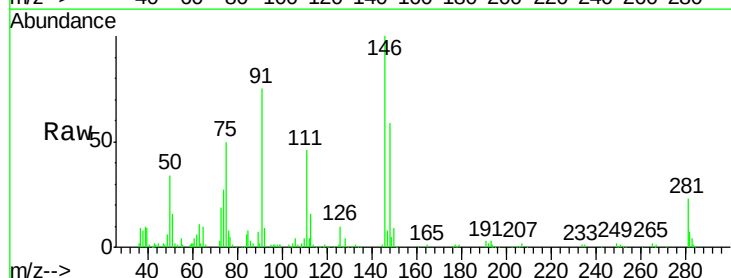
Delta R.T. -0.01 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

Tgt Ion: 91 Resp: 103324

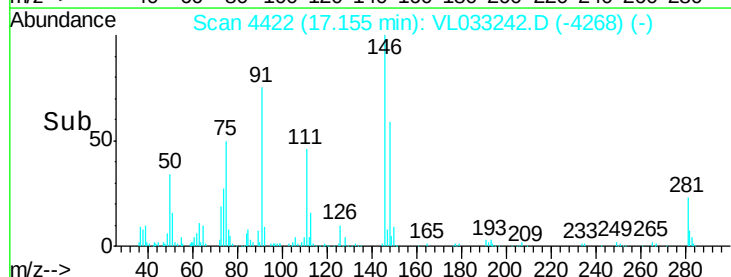
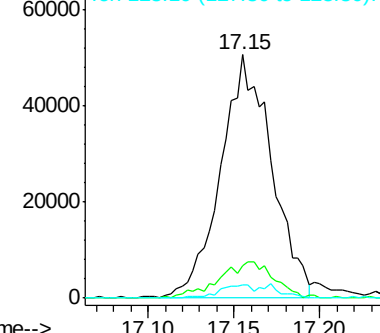
Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.4	20.0
128	5.9	4.2	6.2

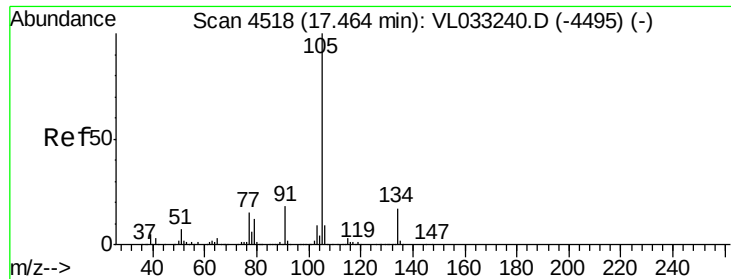


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.875 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.00 min

Lab File: VL033242.D

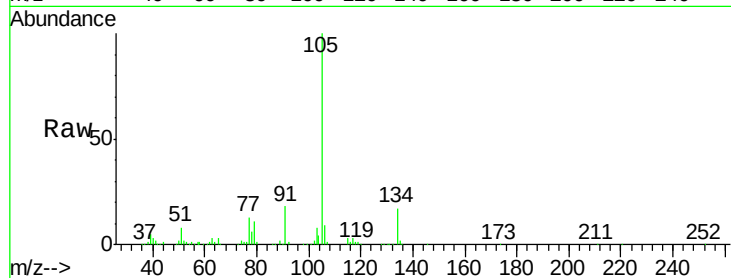
Acq: 6 Mar 2019 3:17

Tot Ion: 105 Resp: 492963

Ion Ratio Lower Upper

105 100

134 17.3 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

250000

200000

150000

100000

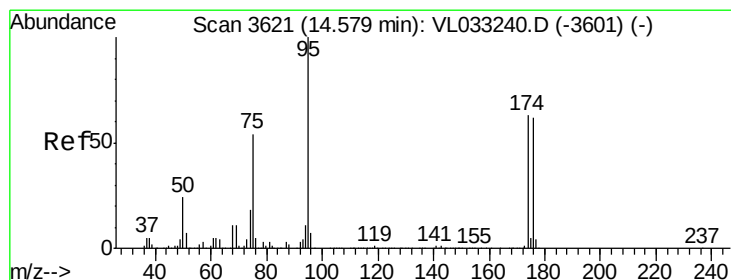
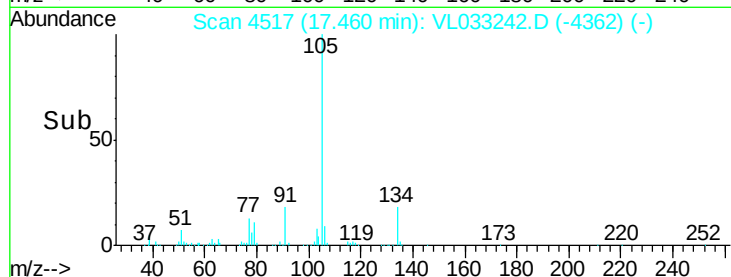
50000

0

17.40

17.50

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.819 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

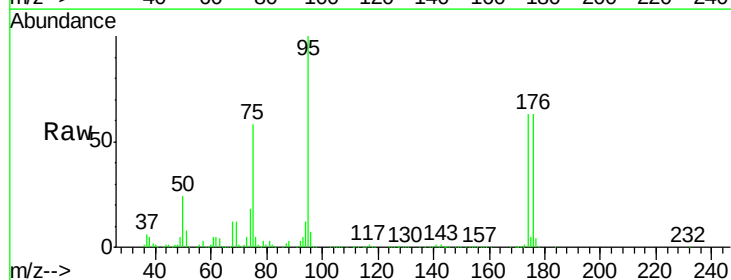
Tgt Ion: 95 Resp: 1839362

Ion Ratio Lower Upper

95 100

174 64.5 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

1000000

800000

600000

400000

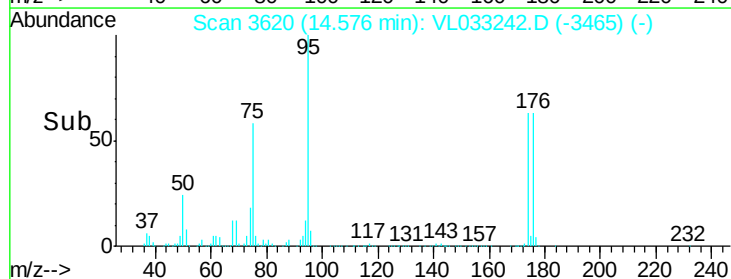
200000

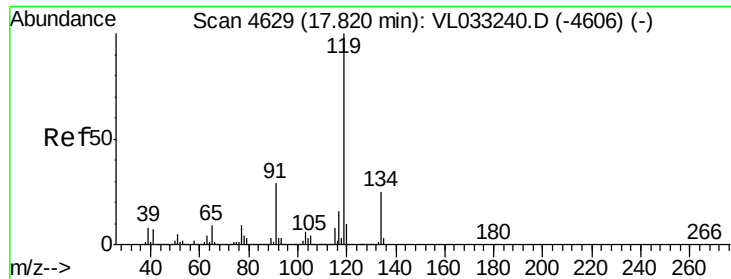
0

14.50

14.60

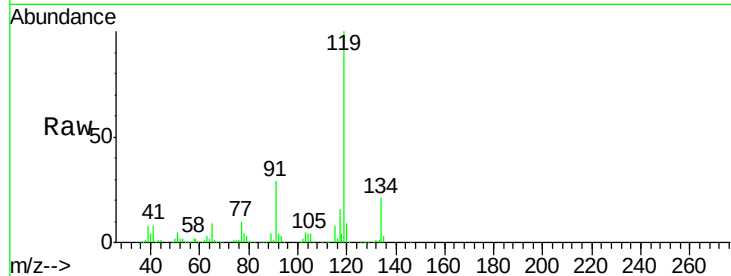
Time-->



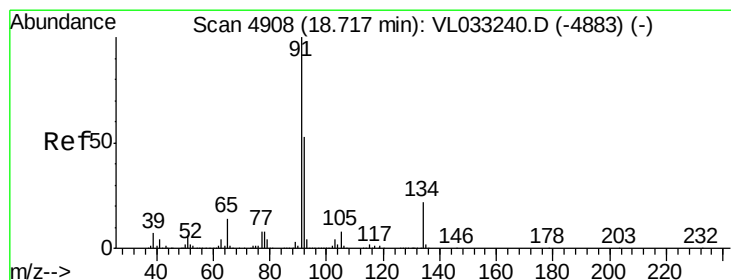
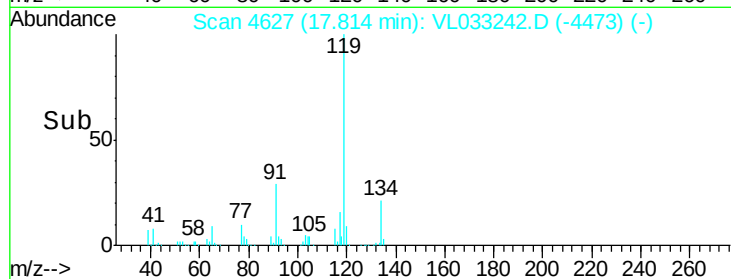
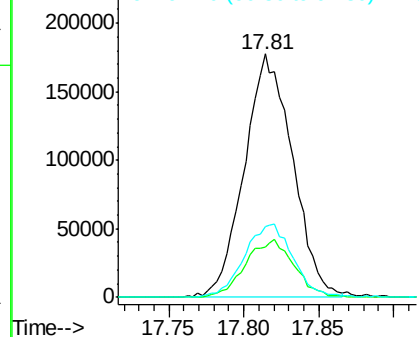


#69
 p-Isopropyltoluene
 Concen: 0.846 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. -0.01 min
 Lab File: VL033242.D
 Acq: 6 Mar 2019 3:17

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.0	19.9	29.9
91	30.8	23.9	35.9

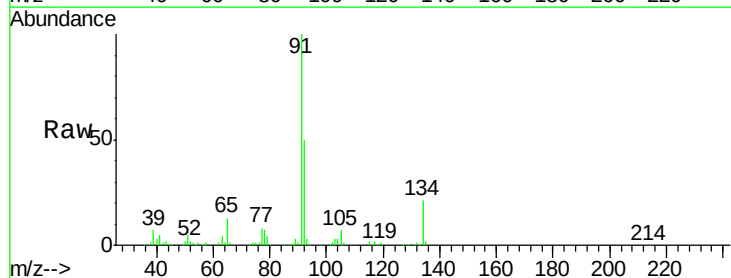


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

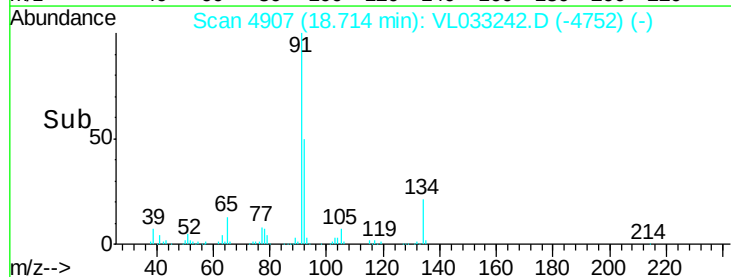
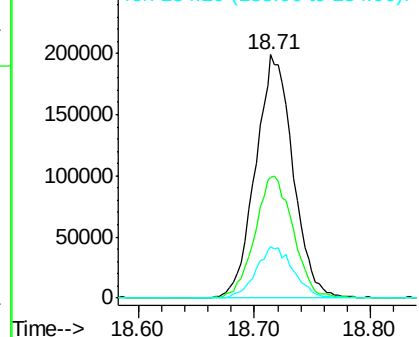


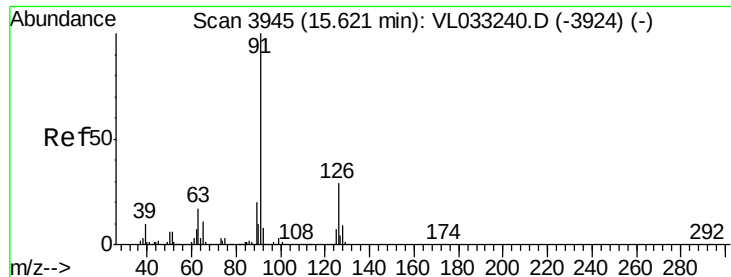
#70
 n-Butylbenzene
 Concen: 0.877 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. -0.00 min
 Lab File: VL033242.D
 Acq: 6 Mar 2019 3:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	42.4	63.6
134	21.2	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: 0.902 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VL033242.D

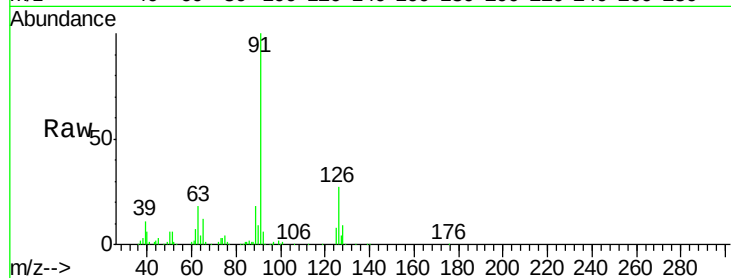
Acq: 6 Mar 2019 3:17

Tot Ion: 91 Resp: 315935

Ion Ratio Lower Upper

91 100

126 28.0 11.6 46.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

250000

200000

150000

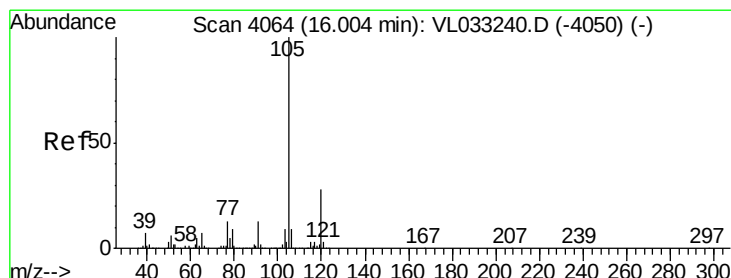
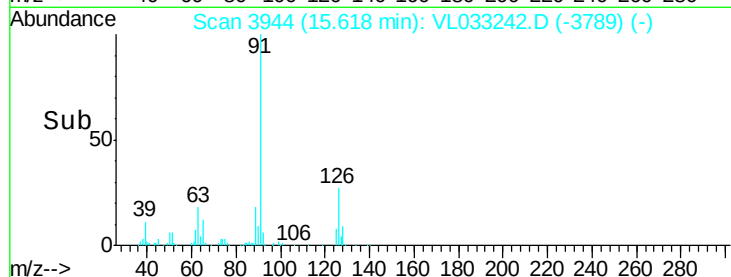
100000

50000

0

15.55 15.60 15.65 15.70

Time-->



#72

4-Ethyltoluene

Concen: 0.856 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. 0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

Tgt Ion: 105 Resp: 312062

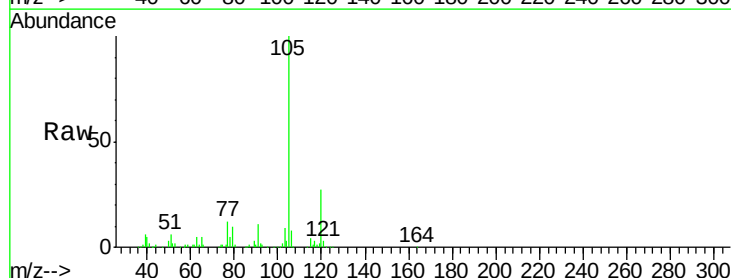
Ion Ratio Lower Upper

105 100

120 28.6 22.3 33.5

91 14.1 10.3 15.5

77 14.3 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

200000

150000

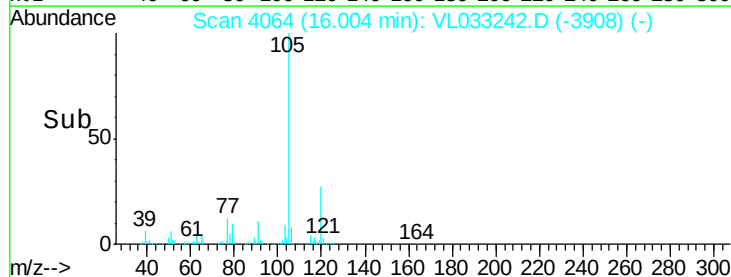
100000

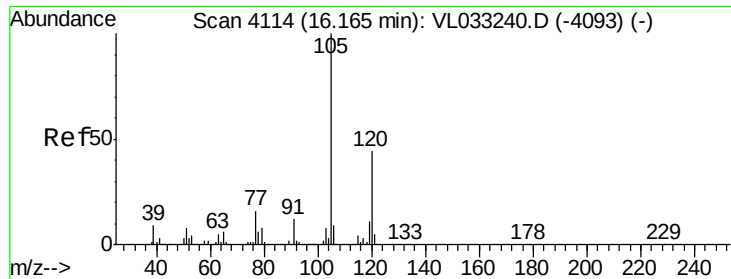
50000

0

15.90 15.95 16.00 16.05

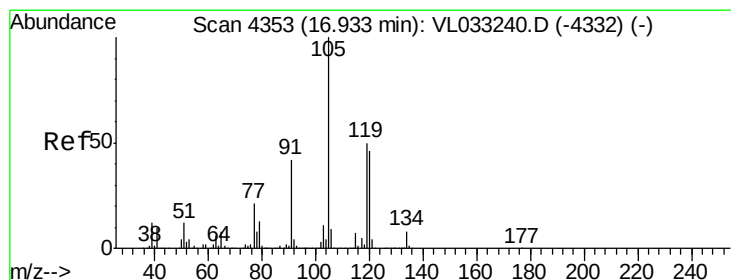
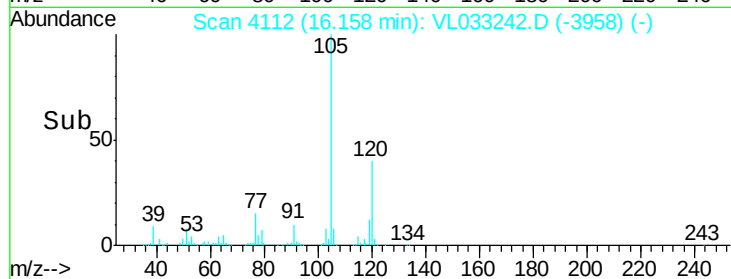
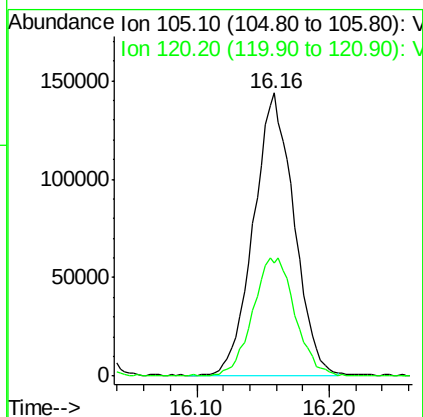
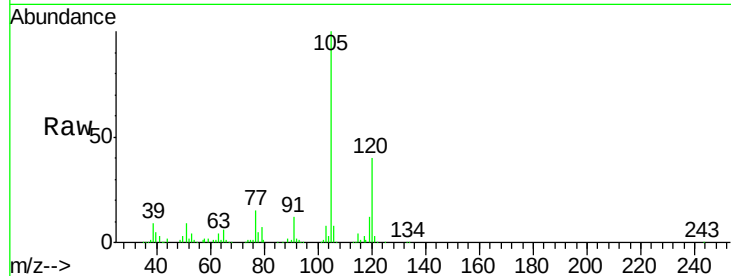
Time-->





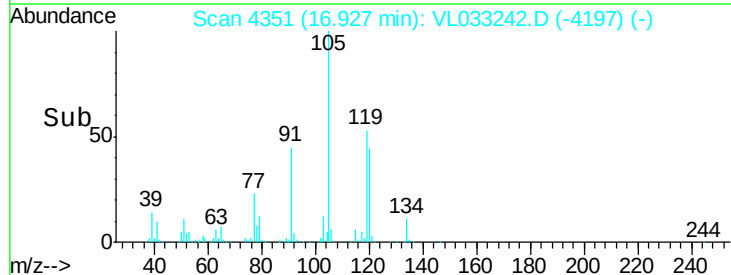
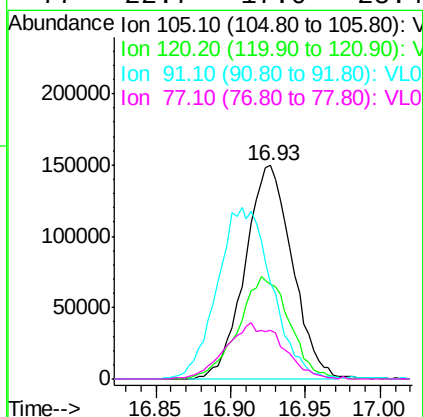
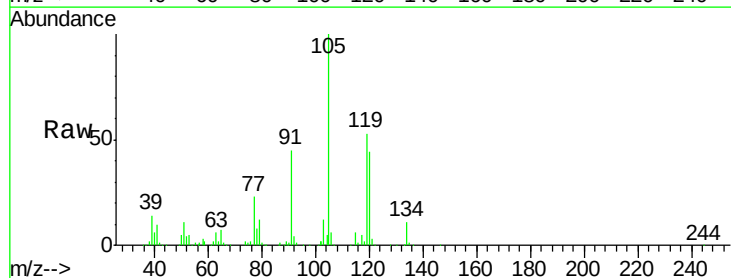
#73
 1,3,5-Trimethylbenzene
 Concen: 0.878 ppbv
 RT: 16.16 min Scan# 4112
 Delta R.T. -0.01 min
 Lab File: VL033242.D
 Acq: 6 Mar 2019 3:17

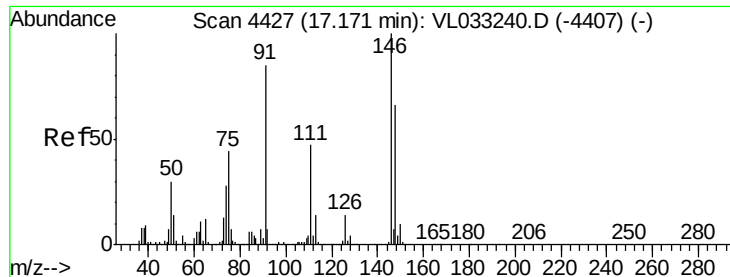
Tot Ion:105 Resp: 305783
 Ion Ratio Lower Upper
 105 100
 120 39.8 35.0 52.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.905 ppbv
 RT: 16.93 min Scan# 4351
 Delta R.T. -0.01 min
 Lab File: VL033242.D
 Acq: 6 Mar 2019 3:17

Tgt Ion:105 Resp: 327820
 Ion Ratio Lower Upper
 105 100
 120 46.6 36.5 54.7
 91 44.0 34.4 51.6
 77 22.7 17.0 25.4





#75

1,3-Dichlorobenzene

Concen: 0.910 ppbv

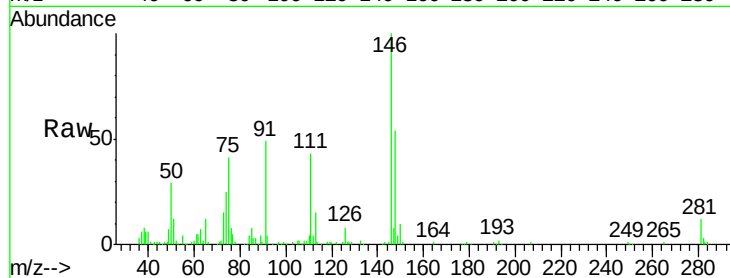
RT: 17.16 min Scan# 4424

Delta R.T. -0.01 min

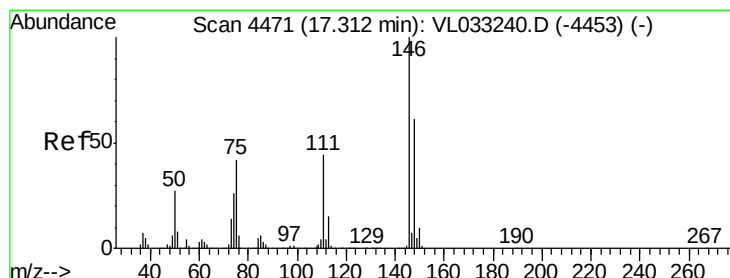
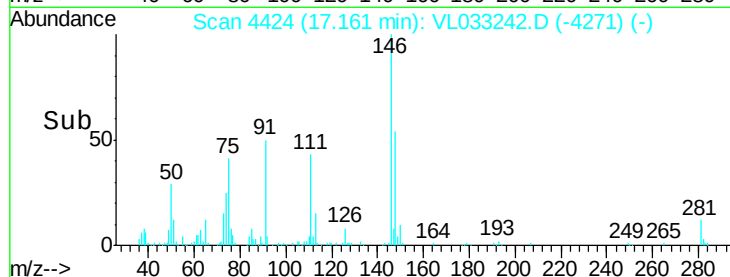
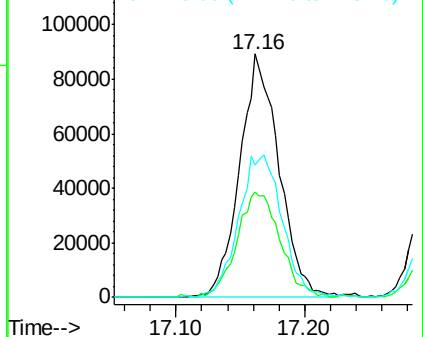
Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

Tot Ion:146	Resp:	189625
Ion Ratio	Lower	Upper
146	100	
111	48.1	23.4 70.0
148	65.1	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: 0.897 ppbv

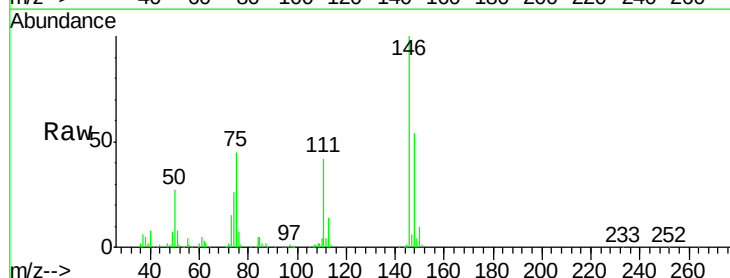
RT: 17.31 min Scan# 4469

Delta R.T. -0.01 min

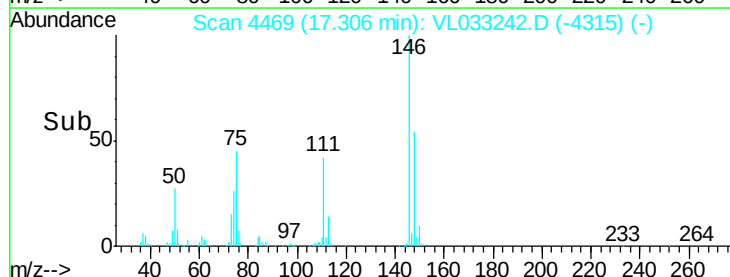
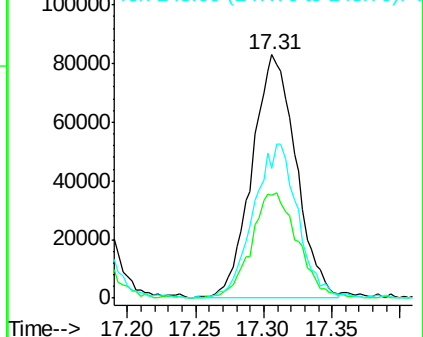
Lab File: VL033242.D

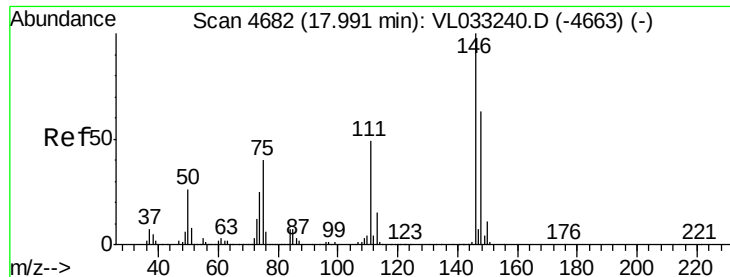
Acq: 6 Mar 2019 3:17

Tgt Ion:146	Resp:	185002
Ion Ratio	Lower	Upper
146	100	
111	45.7	22.4 67.3
148	64.6	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: 0.882 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. 0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

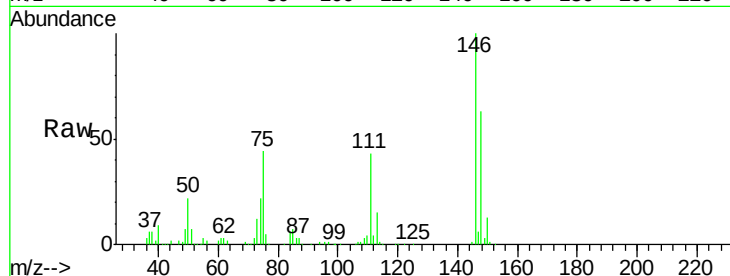
Tot Ion:146 Resp: 181572

Ion Ratio Lower Upper

146 100

111 46.2 23.6 71.0

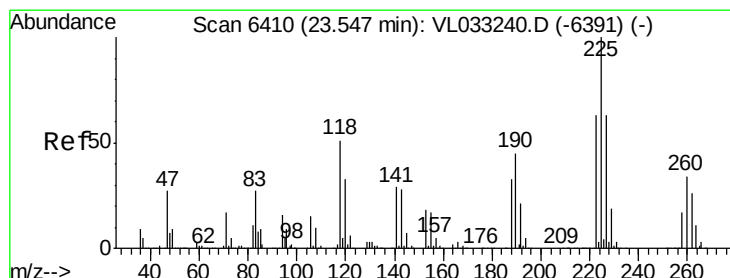
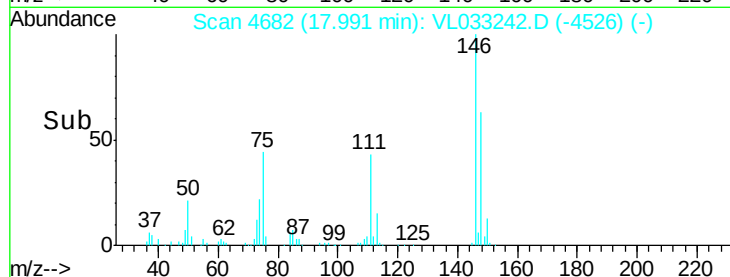
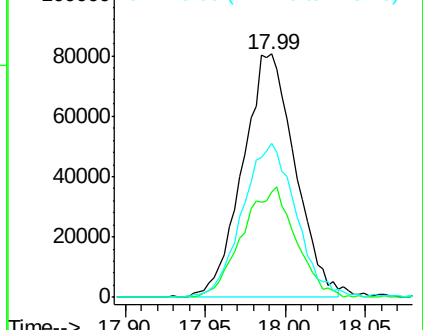
148 65.4 32.3 96.9



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: 1.211 ppbv m

RT: 23.55 min Scan# 6411

Delta R.T. 0.00 min

Lab File: VL033242.D

Acq: 6 Mar 2019 3:17

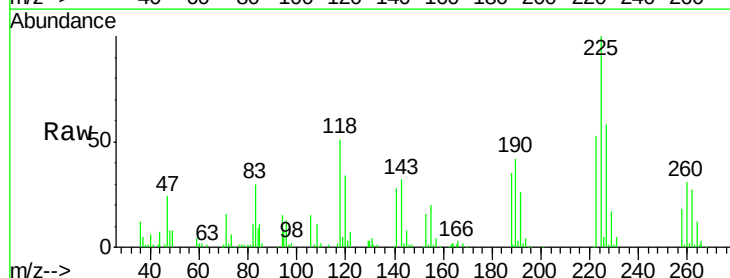
Tgt Ion:225 Resp: 132059

Ion Ratio Lower Upper

225 100

223 0.0 50.9 76.3#

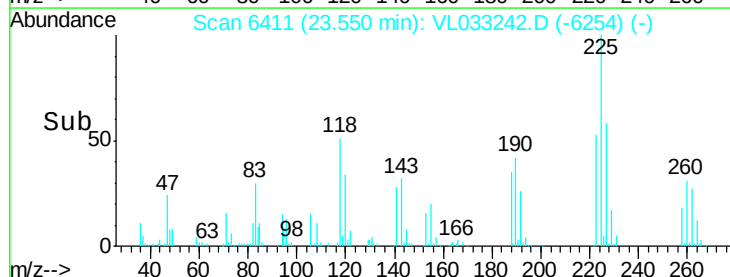
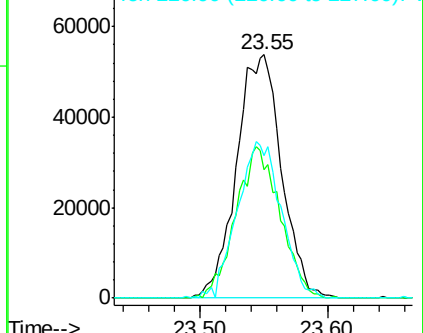
227 0.0 50.7 76.1#

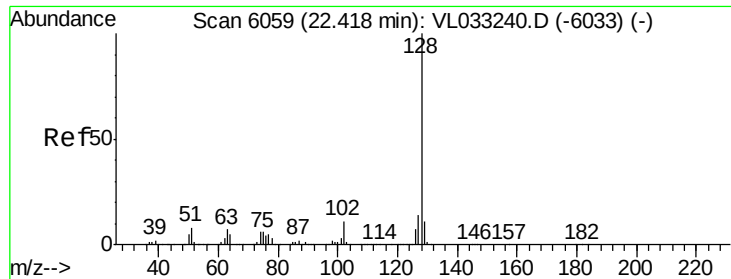


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

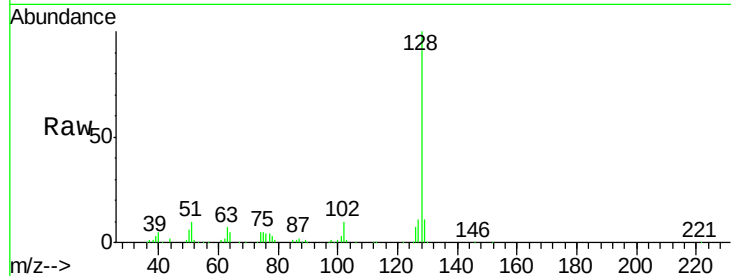
Ion 226.90 (226.60 to 227.60): V



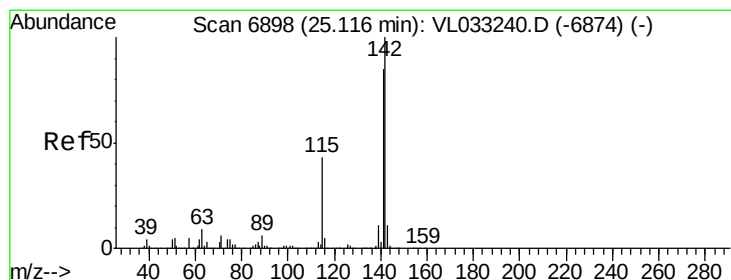
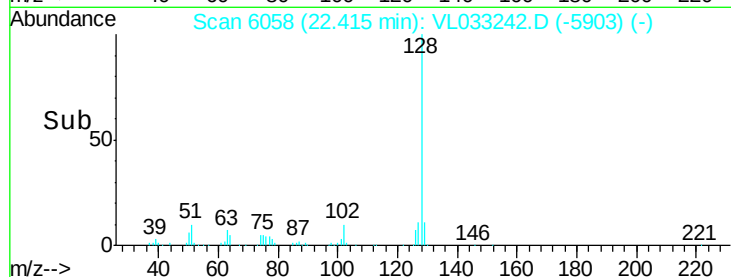
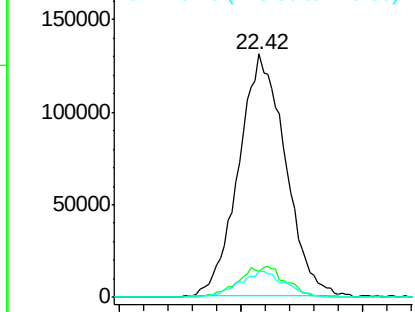


#79
Naphthalene
Concen: 0.842 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033242.D
Acq: 6 Mar 2019 3:17

Tot Ion:128 Resp: 346332
Ion Ratio Lower Upper
128 100
127 10.8 10.8 16.2#
129 10.8 8.6 13.0

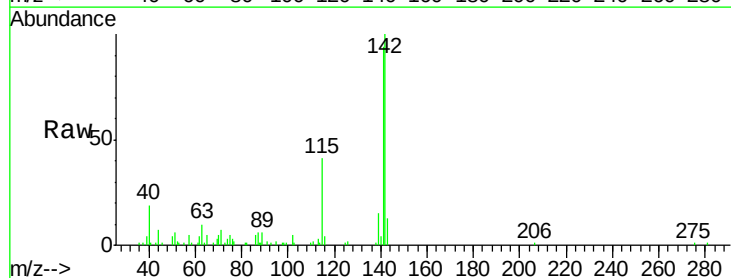


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

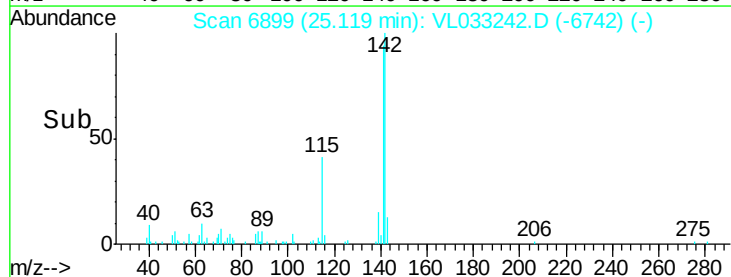
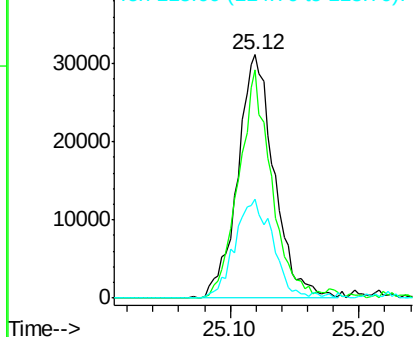


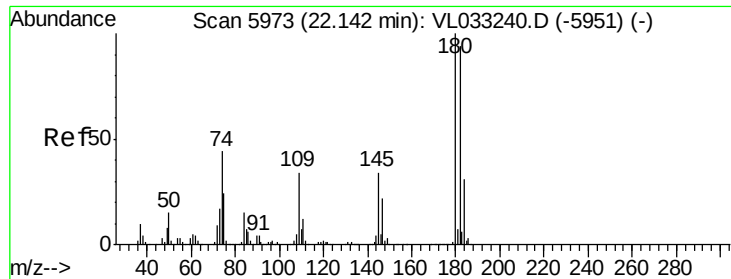
#80
Naphthalene, 2-methyl-
Concen: 0.297 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033242.D
Acq: 6 Mar 2019 3:17

Tgt Ion:142 Resp: 61014
Ion Ratio Lower Upper
142 100
141 87.6 68.0 102.0
115 43.1 34.1 51.1



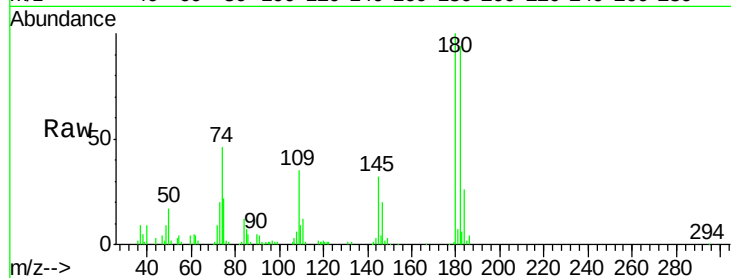
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.893 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL033242.D
 Acq: 6 Mar 2019 3:17

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	114.8
184	31.3	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

