

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030619\
 Data File : VL033241.D
 Acq On : 6 Mar 2019 2:38
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 06 04:20:33 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	954337	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2150916	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2547461	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1896648	9.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	270008	1.597	ppbv	100
3) Chlorodifluoromethane	3.02	51	247090	2.195	ppbv	98
4) Chloromethane	3.17	50	122518	2.077	ppbv	97
5) Vinyl Chloride	3.29	62	124270	1.991	ppbv	99
6) Bromomethane	3.52	94	73507	2.154	ppbv	96
7) Chloroethane	3.60	64	43621	2.147	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	297076	2.116	ppbv	100
9) Propene	3.04	41	108738	2.013	ppbv	100
10) Heptane	8.25	43	314216	1.926	ppbv	100
11) Trichlorofluoromethane	4.00	101	326970	2.242	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	220635	2.195	ppbv	98
13) Ethanol	3.65	45	35682	1.949	ppbv	91
14) Bromoethene	3.79	108	89967	2.084	ppbv	99
15) Acetone	3.90	43	260700	2.455	ppbv	98
16) 1,3-Butadiene	3.37	39	94647	1.885	ppbv	85
17) tert-Butyl alcohol	4.37	59	38652	1.895	ppbv	98
18) 1,1-Dichloroethene	4.35	96	95184	2.135	ppbv	97
19) Isopropyl Alcohol	4.03	45	129354	1.753	ppbv #	98
20) Methylene Chloride	4.41	84	100479	2.390	ppbv	93
21) Allyl Chloride	4.48	41	140410	2.027	ppbv	96
22) trans-1,2-Dichloroethene	4.97	96	98192	2.201	ppbv	94
23) Vinyl Acetate	5.15	43	374920	2.014	ppbv	98
24) 1,1-Dichloroethane	5.09	63	274328	2.069	ppbv	100
25) Ethyl Acetate	5.77	43	486907	2.006	ppbv	99
26) Hexane	5.78	57	231717	2.044	ppbv	95
27) Carbon Disulfide	4.62	76	216032	2.118	ppbv	98
28) Methyl tert-Butyl Ether	5.12	73	310755	2.002	ppbv	99
29) Chloroform	5.85	83	346092	1.990	ppbv	96
30) Cyclohexane	7.25	84	171908	1.696	ppbv	88
31) cis-1,2-Dichloroethene	5.64	61	217033	1.914	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	325543	1.695	ppbv	98
34) 2-Butanone	5.33	43	312443	2.211	ppbv	100
35) Carbon Tetrachloride	7.13	117	337000	2.032	ppbv	99
36) Benzene	7.00	78	431745	1.942	ppbv	98
37) 1,2-Dichloroethane	6.41	62	266544	2.115	ppbv	100
38) Trichloroethene	7.96	130	192848m	2.058	ppbv	
39) 1,2-Dichloropropane	7.73	63	189671	2.198	ppbv	97
40) 1,4-Dioxane	7.97	88	60336m	1.934	ppbv	
41) Tetrahydrofuran	6.16	42	173981	2.002	ppbv	100
42) Bromodichloromethane	7.91	83	420306	2.365	ppbv	95
43) Methyl Methacrylate	8.14	69	199878	2.272	ppbv	99

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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	872636	2.338	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	232594	2.375	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	277662	2.226	ppbv	93
47) 1,1,2-Trichloroethane	9.61	97	204383	2.277	ppbv	99
48) Dibromochloromethane	10.45	129	325344	2.292	ppbv	99
49) Bromoform	13.20	173	260119m	2.153	ppbv	
50) 4-Methyl-2-Pentanone	8.88	43	533473	2.404	ppbv	98
51) 2-Hexanone	10.28	43	397629	2.290	ppbv #	100
52) Tetrachloroethene	11.37	164	178218	2.117	ppbv	94
53) Toluene	9.95	91	564272	2.179	ppbv	99
54) 1,2-Dibromoethane	10.76	107	300784	2.145	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	235864	2.007	ppbv #	1
57) Chlorobenzene	12.30	112	422675	1.904	ppbv	94
58) Ethyl Benzene	12.86	91	775600	1.882	ppbv	98
59) m/p-Xylene	13.12	91	1297278m	3.774	ppbv	
60) o-Xylene	13.85	91	620608	1.854	ppbv	97
61) Styrene	13.69	104	433563	1.736	ppbv	100
62) Isopropylbenzene	14.83	105	870884	1.858	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	417412	1.601	ppbv	99
64) n-propylbenzene	15.72	120	211765m	1.787	ppbv	
65) tert-Butylbenzene	16.91	119	760166	1.867	ppbv	99
66) Benzyl Chloride	17.15	91	270539	1.896	ppbv	99
67) sec-Butylbenzene	17.46	105	1074436	1.821	ppbv	99
69) p-Isopropyltoluene	17.82	119	864625	1.760	ppbv	100
70) n-Butylbenzene	18.72	91	952244	1.792	ppbv	98
71) 2-Chlorotoluene	15.62	91	671651	1.831	ppbv	98
72) 4-Ethyltoluene	16.00	105	692258	1.814	ppbv	98
73) 1,3,5-Trimethylbenzene	16.16	105	664358	1.823	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	698588	1.842	ppbv #	88
75) 1,3-Dichlorobenzene	17.16	146	407043	1.865	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	405061	1.877	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	390806	1.814	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	267535	2.343	ppbv	100
79) Naphthalene	22.41	128	783396	1.819	ppbv	98
80) Naphthalene, 2-methyl-	25.12	142	178269	0.830	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	402532	1.865	ppbv	98

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

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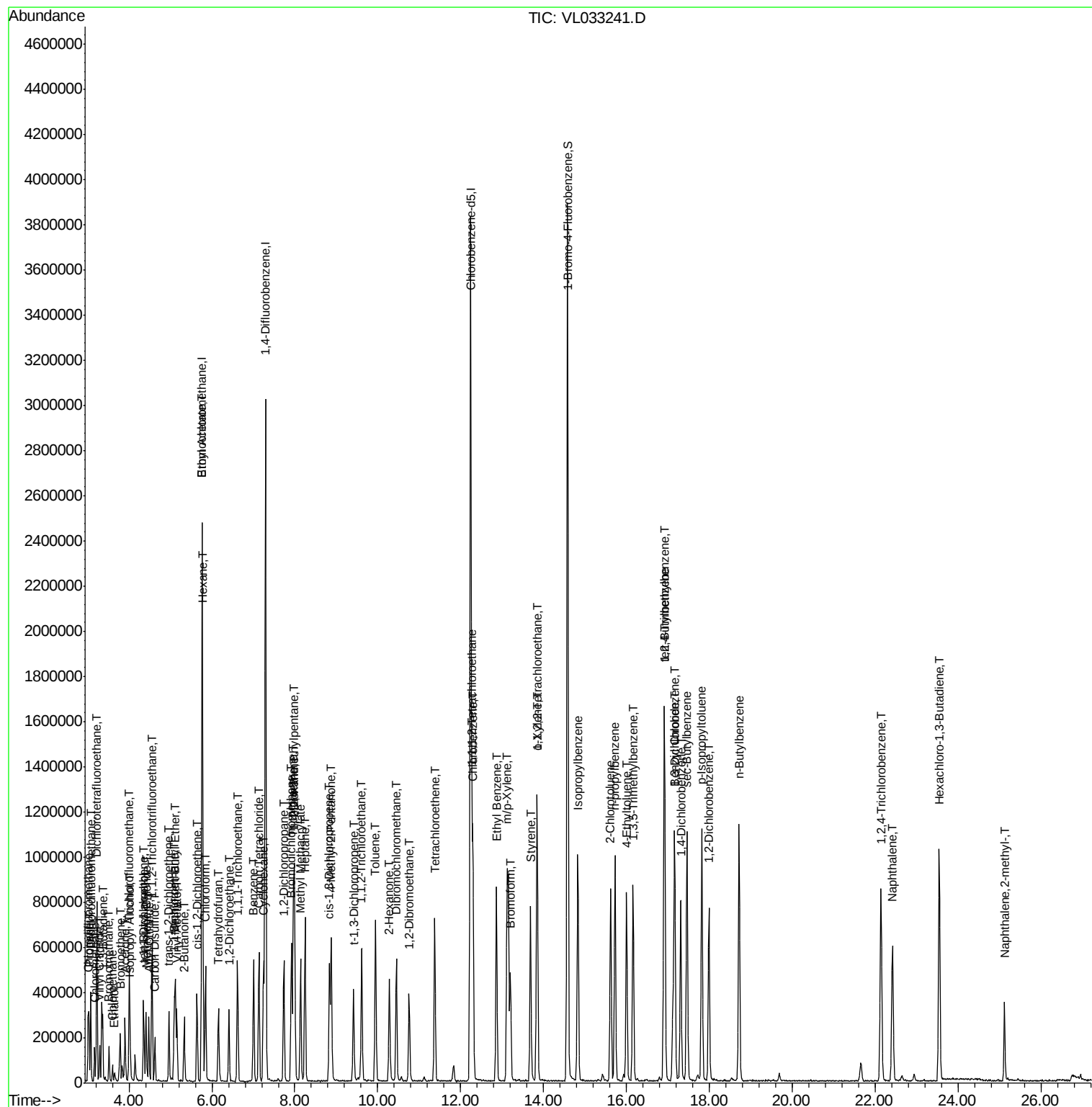
Quant Time: Mar 06 04:20:33 2019

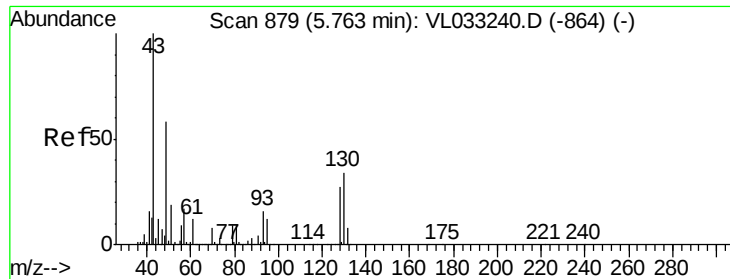
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030619AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

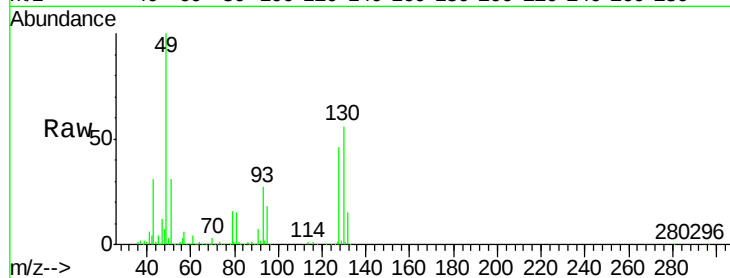
Delta R.T. -0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

Tot Ion: 49 Resp: 954337

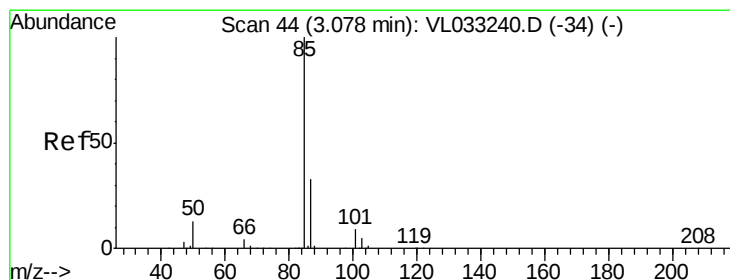
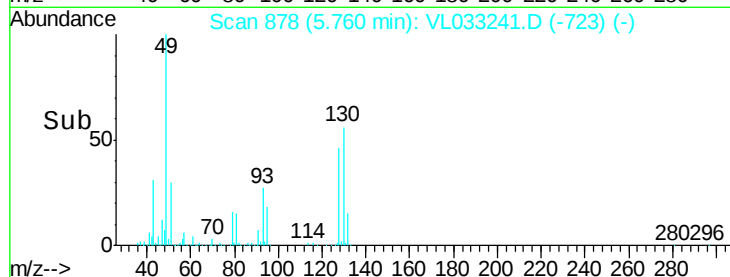
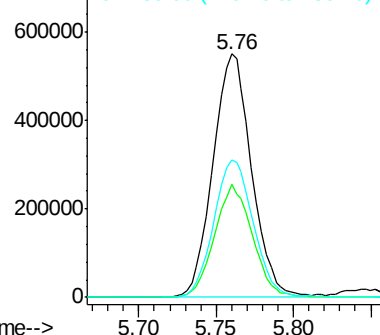
Ion	Ratio	Lower	Upper
49	100		
128	45.8	22.9	68.8
130	58.2	29.3	88.0



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: 1.597 ppbv

RT: 3.08 min Scan# 44

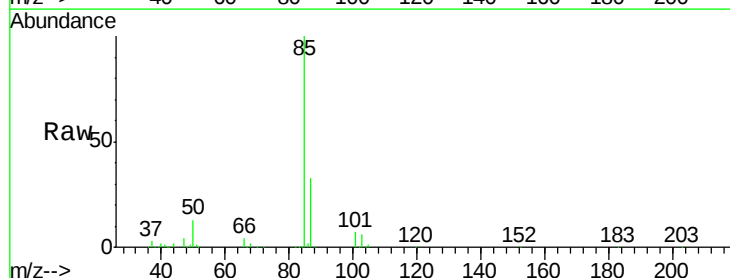
Delta R.T. 0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

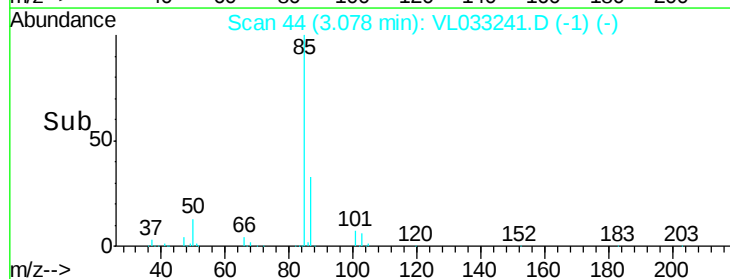
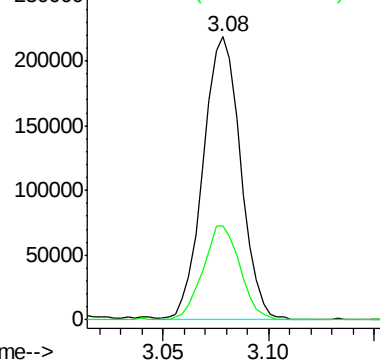
Tgt Ion: 85 Resp: 270008

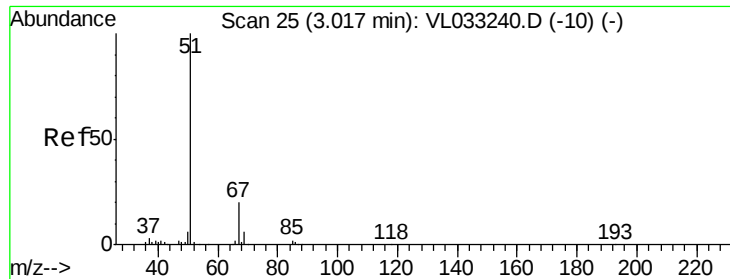
Ion	Ratio	Lower	Upper
85	100		
87	33.3	26.7	40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.195 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033241.D

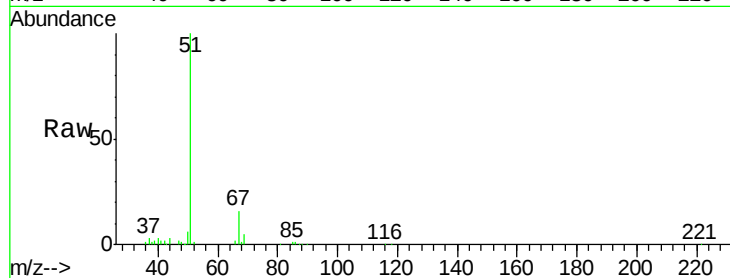
Acq: 6 Mar 2019 2:38

Tot Ion: 51 Resp: 247090

Ion Ratio Lower Upper

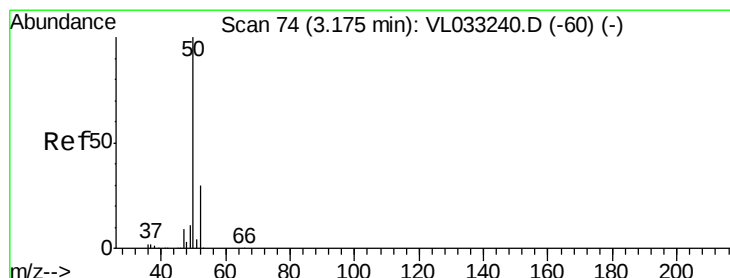
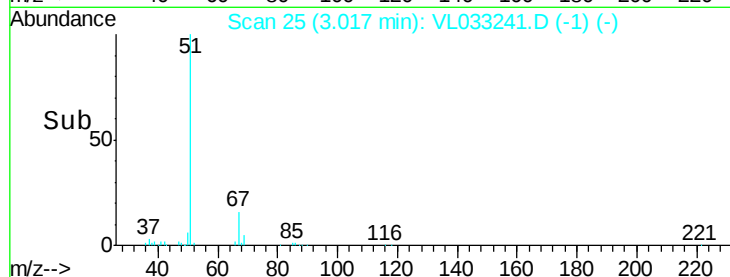
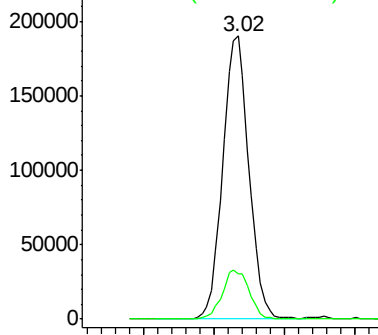
51 100

67 17.9 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: 2.077 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033241.D

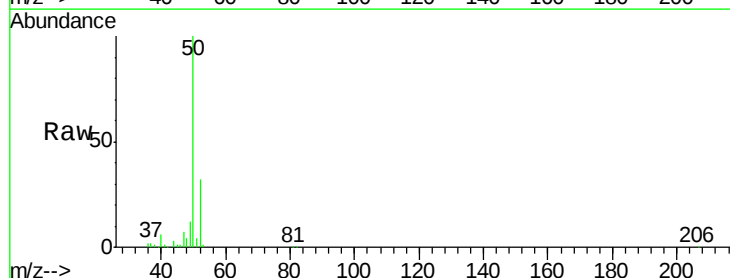
Acq: 6 Mar 2019 2:38

Tgt Ion: 50 Resp: 122518

Ion Ratio Lower Upper

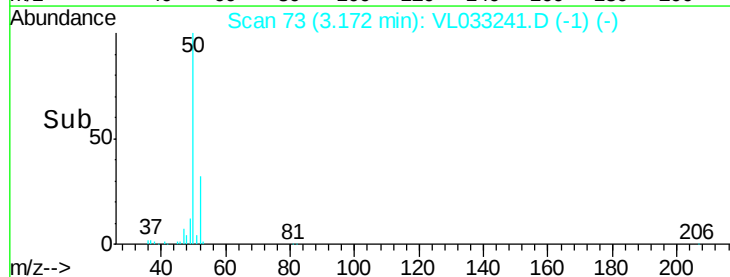
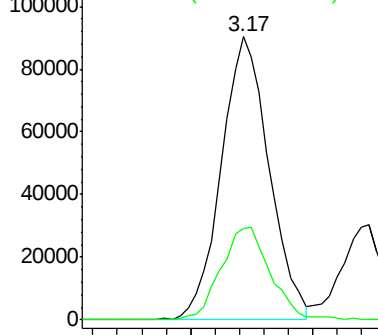
50 100

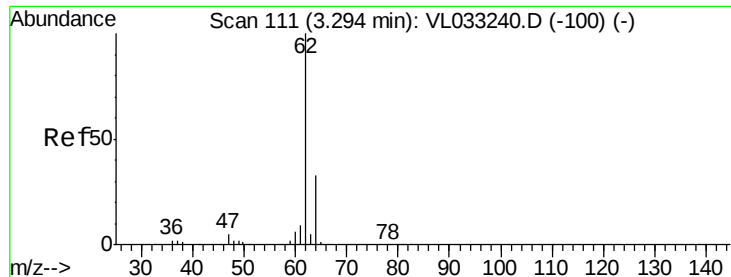
52 32.3 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.991 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033241.D

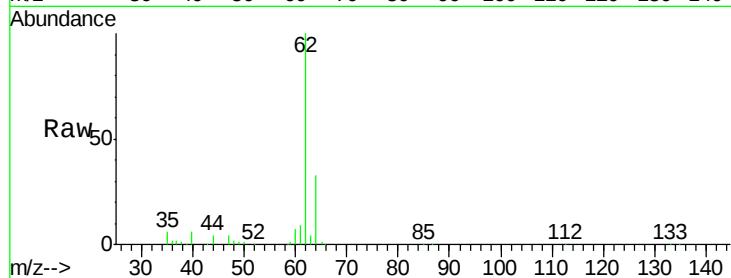
Acq: 6 Mar 2019 2:38

Tot Ion: 62 Resp: 124270

Ion Ratio Lower Upper

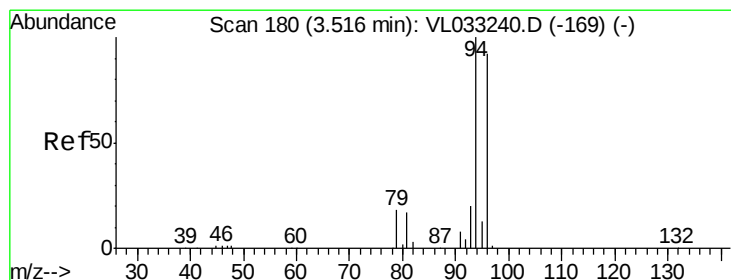
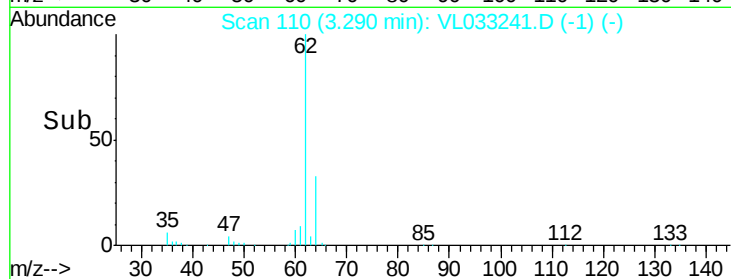
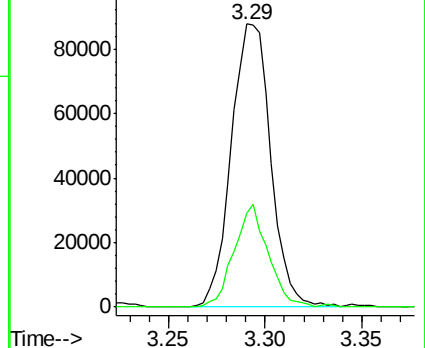
62 100

64 33.1 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: 2.154 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033241.D

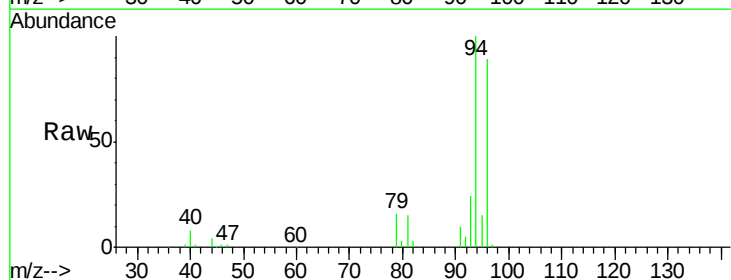
Acq: 6 Mar 2019 2:38

Tgt Ion: 94 Resp: 73507

Ion Ratio Lower Upper

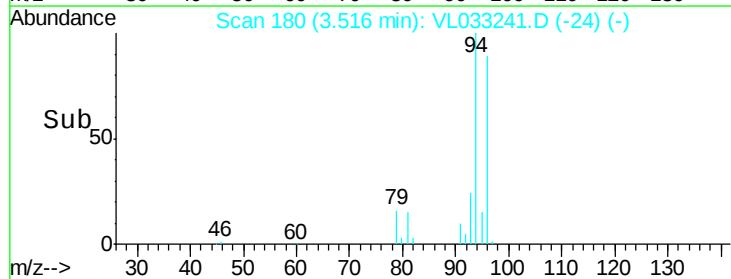
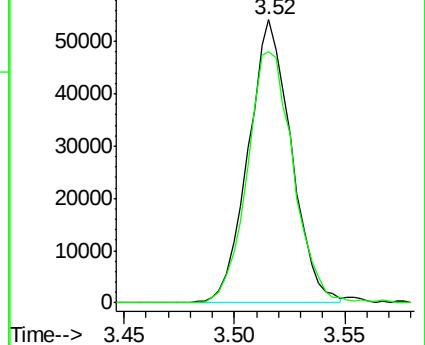
94 100

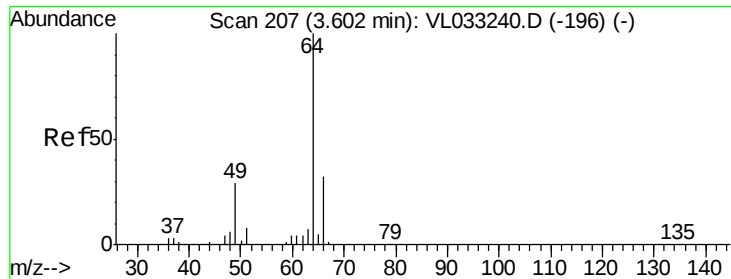
96 88.6 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.147 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033241.D

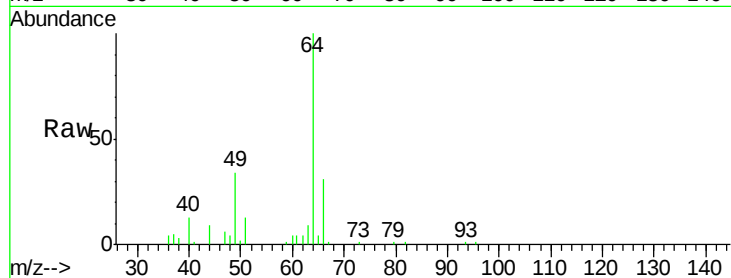
Acq: 6 Mar 2019 2:38

Tot Ion: 64 Resp: 43621

Ion Ratio Lower Upper

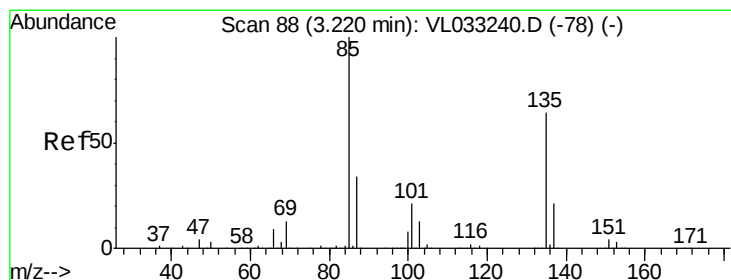
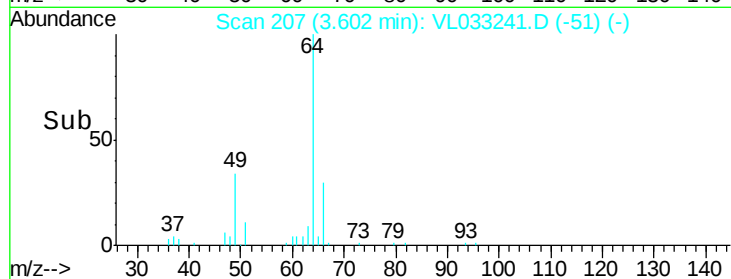
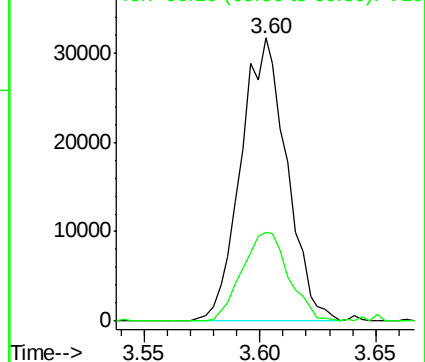
64 100

66 31.4 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: 2.116 ppbv

RT: 3.22 min Scan# 88

Delta R.T. 0.00 min

Lab File: VL033241.D

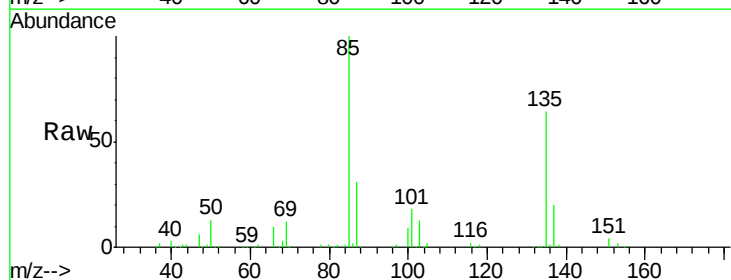
Acq: 6 Mar 2019 2:38

Tgt Ion: 85 Resp: 297076

Ion Ratio Lower Upper

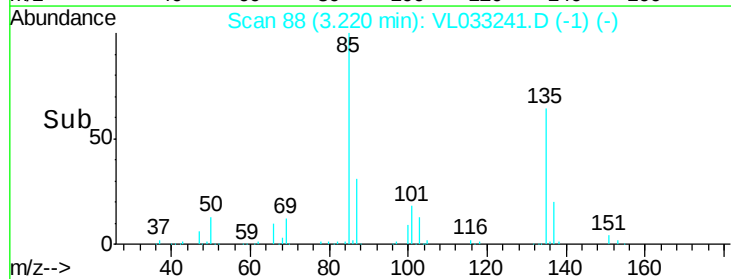
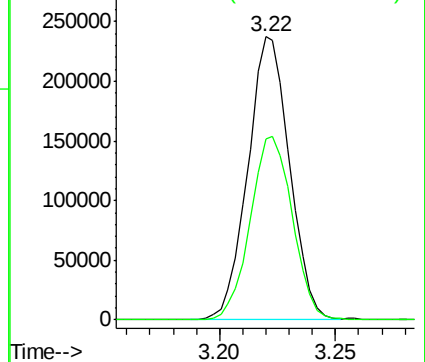
85 100

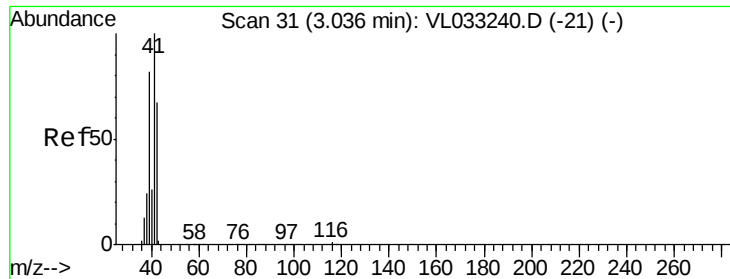
135 65.5 52.6 79.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 2.013 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033241.D

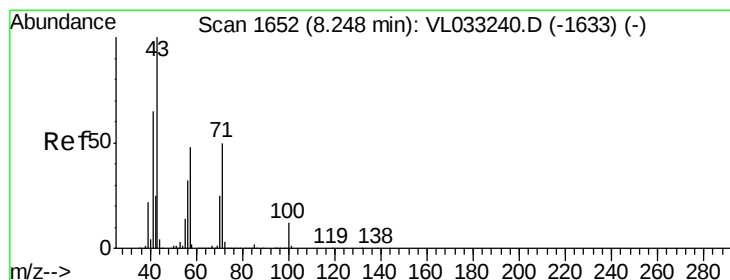
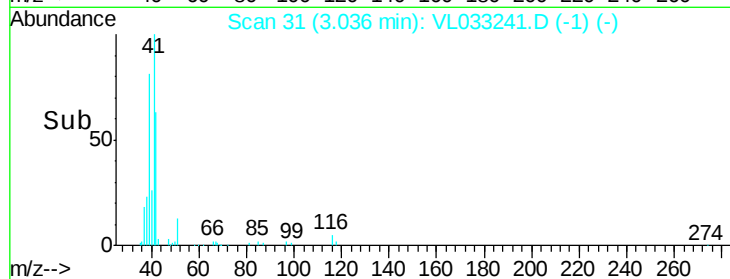
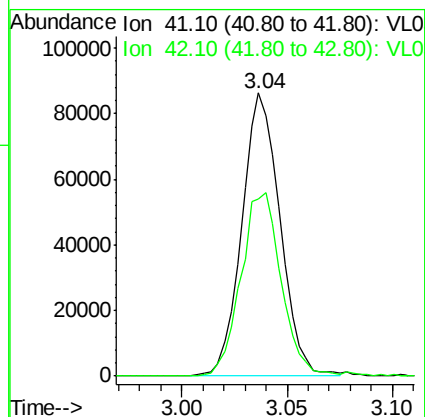
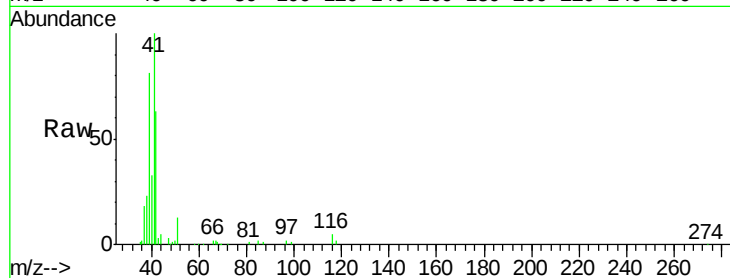
Acq: 6 Mar 2019 2:38

Tot Ion: 41 Resp: 108738

Ion Ratio Lower Upper

41 100

42 69.0 55.3 82.9



#10

Heptane

Concen: 1.926 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033241.D

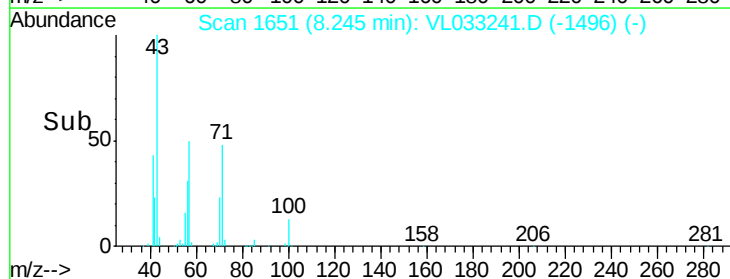
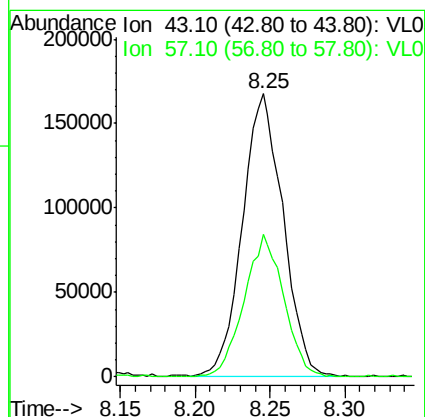
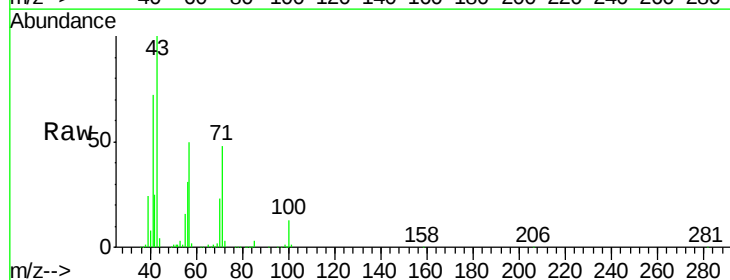
Acq: 6 Mar 2019 2:38

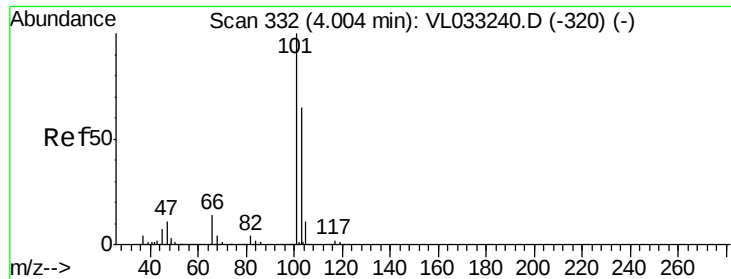
Tgt Ion: 43 Resp: 314216

Ion Ratio Lower Upper

43 100

57 49.5 39.8 59.6





#11

Trichlorofluoromethane

Concen: 2.242 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033241.D

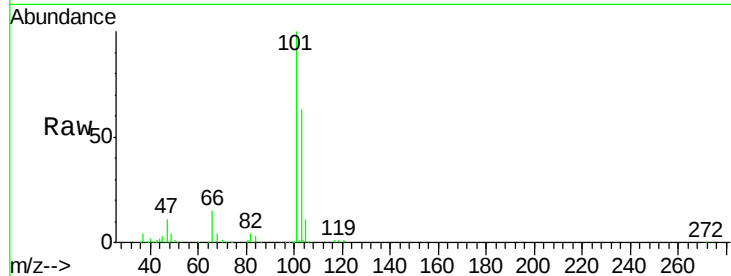
Acq: 6 Mar 2019 2:38

Tot Ion:101 Resp: 326970

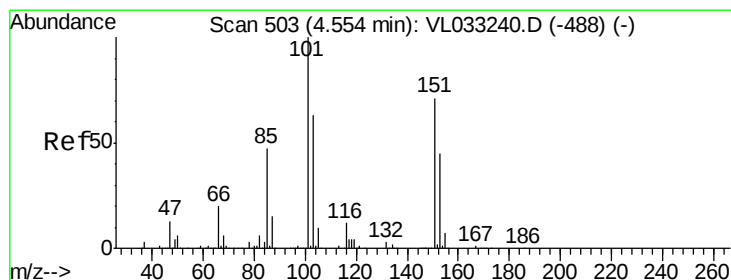
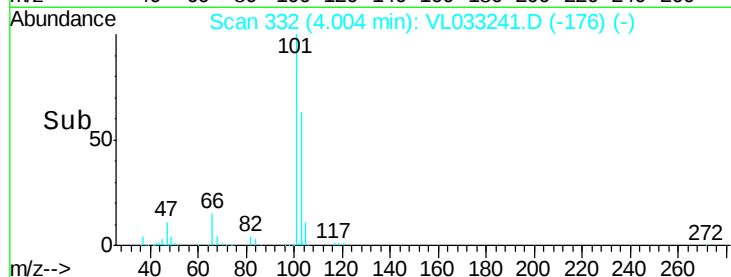
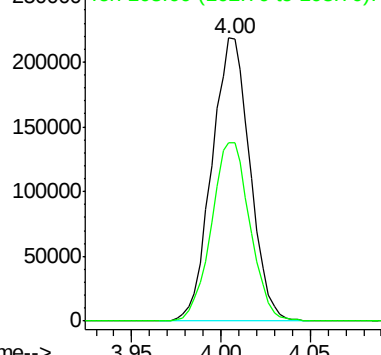
Ion Ratio Lower Upper

101 100

103 63.0 51.7 77.5



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



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.195 ppbv

RT: 4.55 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL033241.D

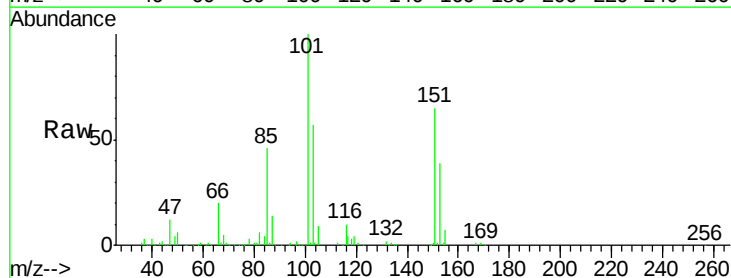
Acq: 6 Mar 2019 2:38

Tgt Ion:101 Resp: 220635

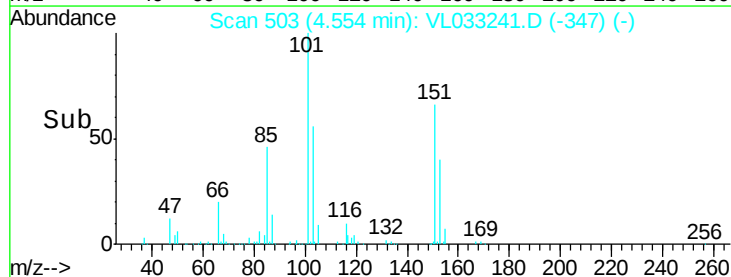
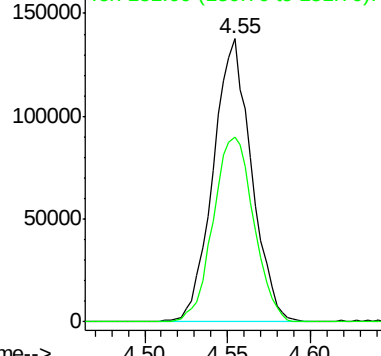
Ion Ratio Lower Upper

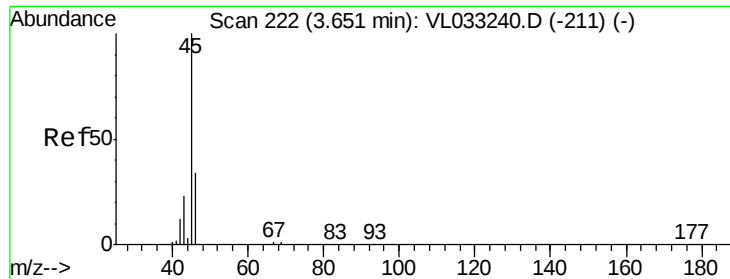
101 100

151 69.3 57.0 85.6



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





#13

Ethanol

Concen: 1.949 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL033241.D

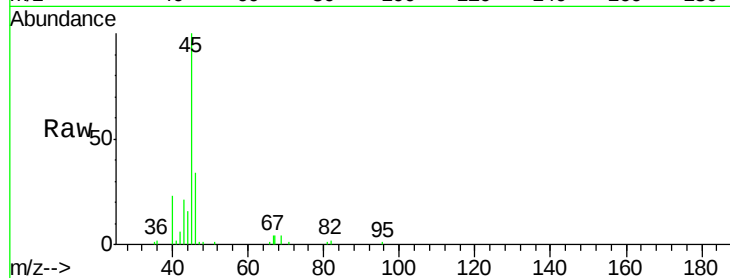
Acq: 6 Mar 2019 2:38

Tot Ion: 45 Resp: 35682

Ion Ratio Lower Upper

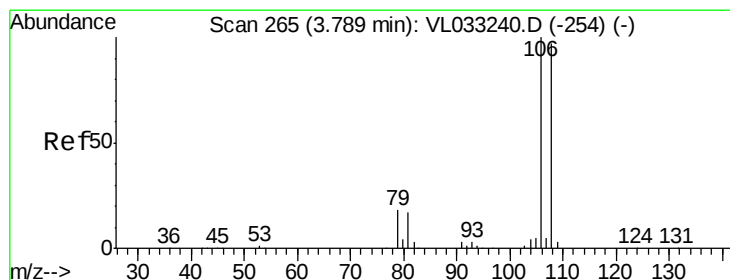
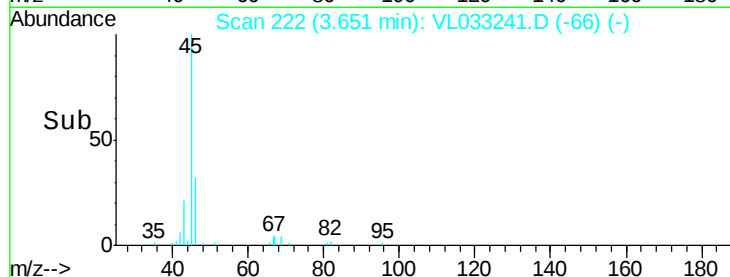
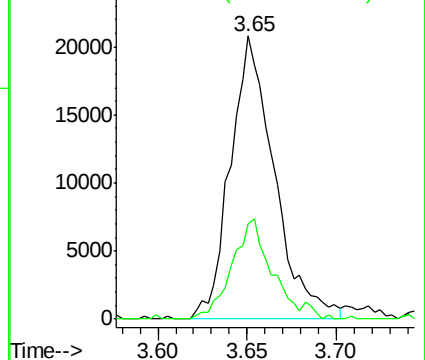
45 100

46 32.9 15.3 61.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 2.084 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

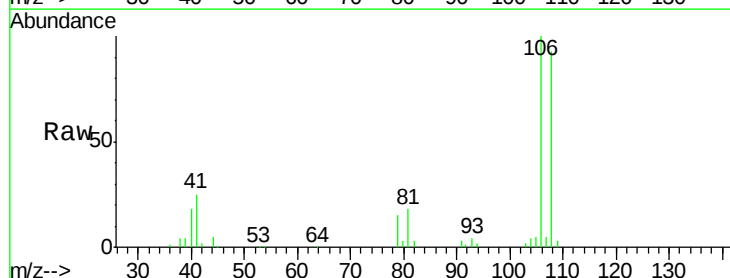
Tgt Ion: 108 Resp: 89967

Ion Ratio Lower Upper

108 100

106 106.4 85.5 128.3

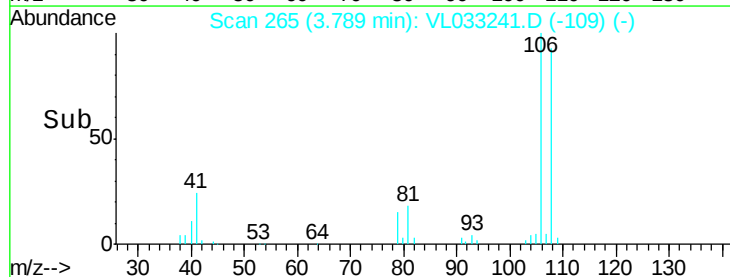
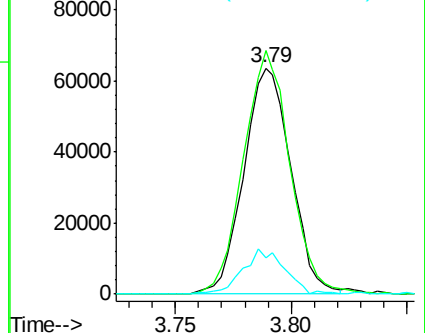
79 18.1 15.3 22.9

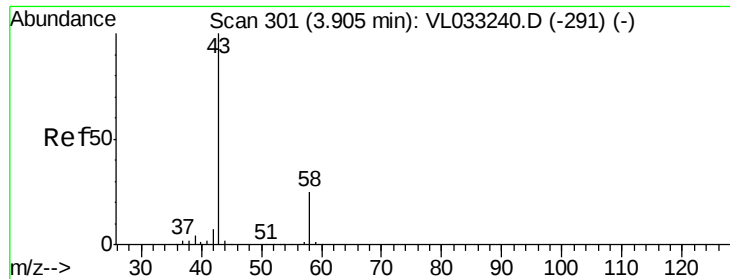


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 2.455 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.00 min

Lab File: VL033241.D

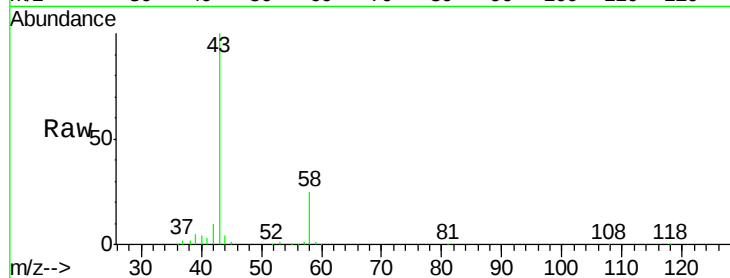
Acq: 6 Mar 2019 2:38

Tot Ion: 43 Resp: 260700

Ion Ratio Lower Upper

43 100

58 26.4 20.2 30.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

200000

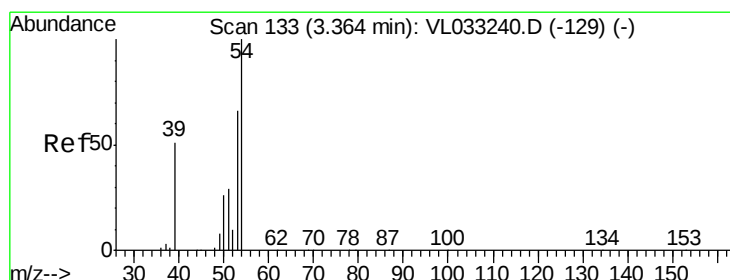
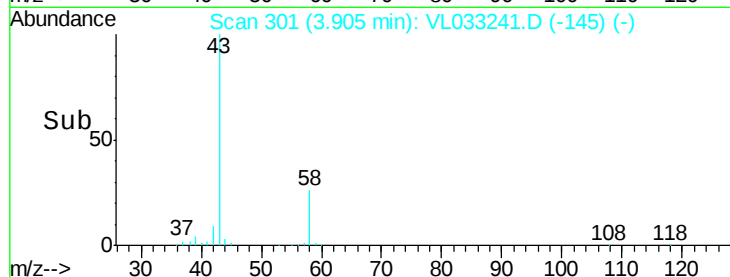
150000

100000

50000

0

Time-->



#16

1,3-Butadiene

Concen: 1.885 ppbv

RT: 3.37 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL033241.D

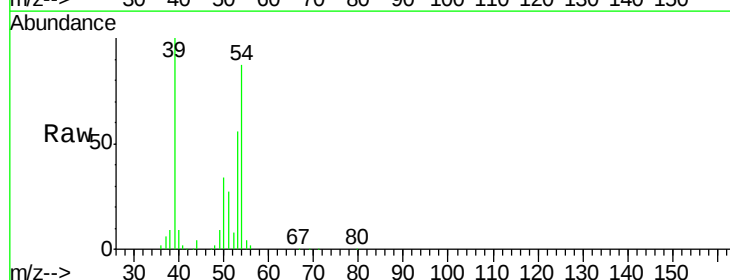
Acq: 6 Mar 2019 2:38

Tgt Ion: 39 Resp: 94647

Ion Ratio Lower Upper

39 100

54 100.7 69.6 104.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.37

80000

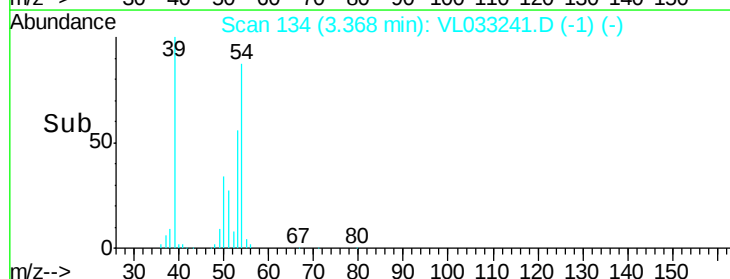
60000

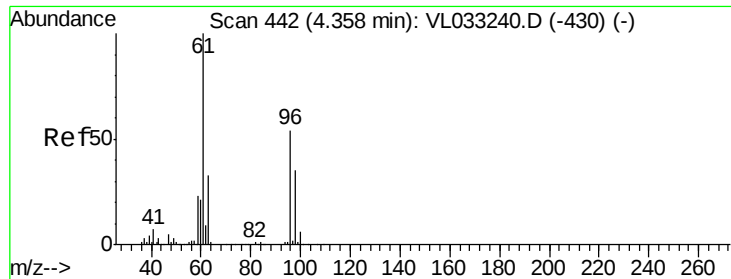
40000

20000

0

Time-->

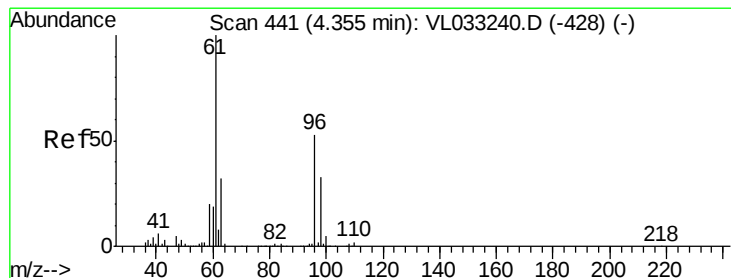
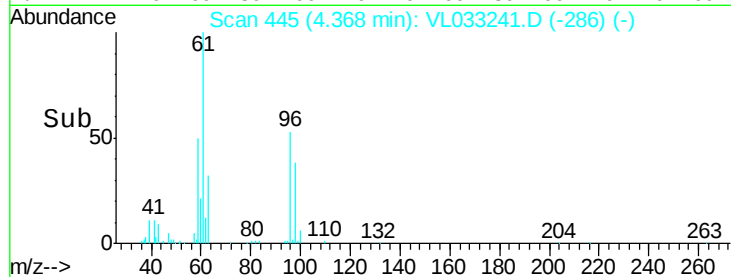
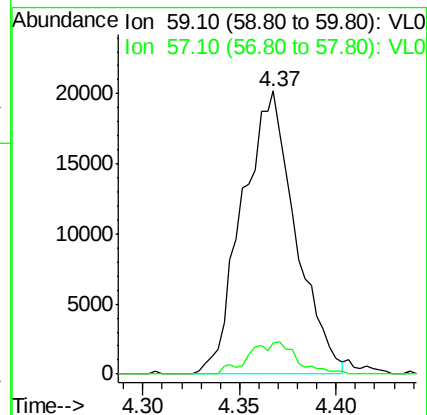
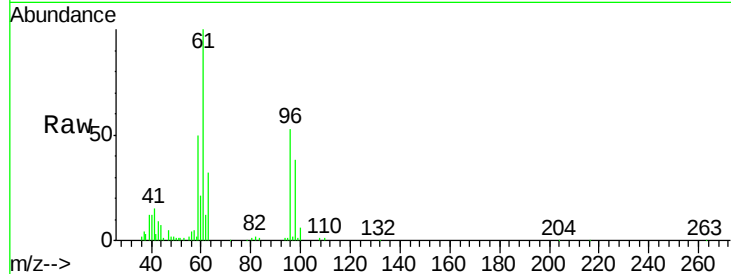




#17

tert-Butyl alcohol
Concen: 1.895 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.01 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

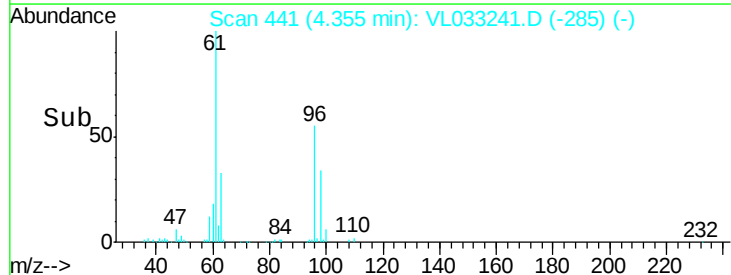
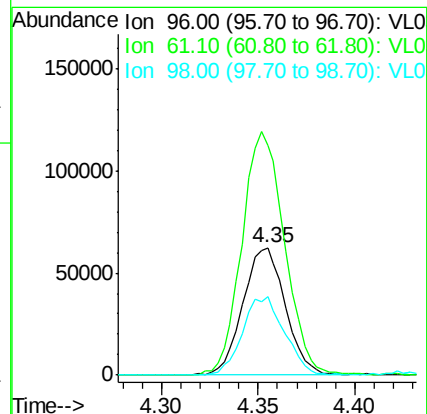
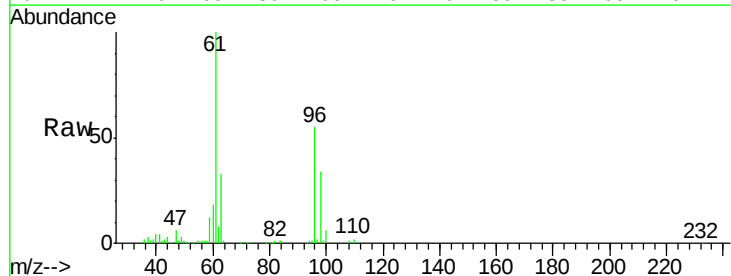
Tot Ion: 59 Resp: 38652
Ion Ratio Lower Upper
59 100
57 10.3 7.5 11.3

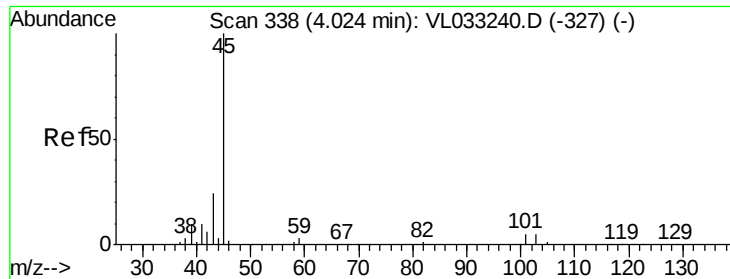


#18

1,1-Dichloroethene
Concen: 2.135 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tgt Ion: 96 Resp: 95184
Ion Ratio Lower Upper
96 100
61 181.0 150.2 225.2
98 61.6 49.2 73.8





#19

Isopropyl Alcohol

Concen: 1.753 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL033241.D

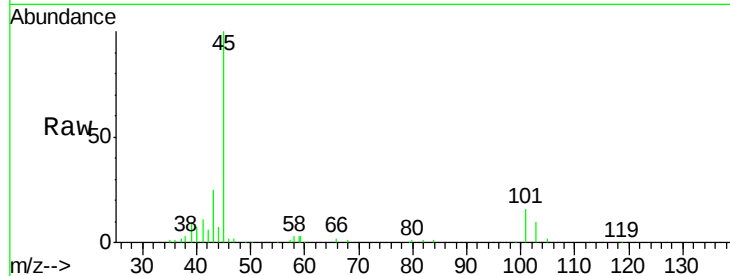
Acq: 6 Mar 2019 2:38

Tot Ion: 45 Resp: 129354

Ion Ratio Lower Upper

45 100

58 2.4 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

80000

60000

40000

20000

0

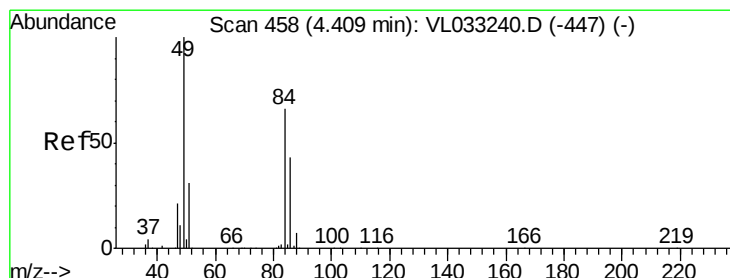
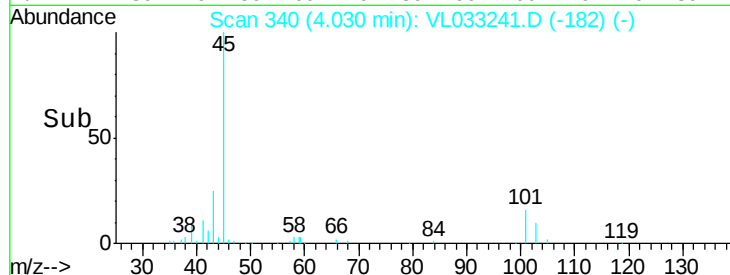
Time-->

3.95

4.00

4.05

4.10



#20

Methylene Chloride

Concen: 2.390 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

Tgt Ion: 84 Resp: 100479

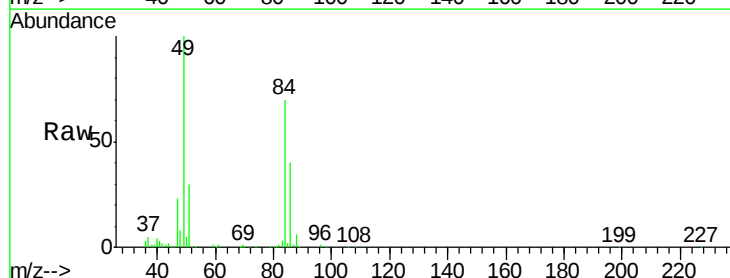
Ion Ratio Lower Upper

84 100

49 142.4 120.4 180.6

51 43.2 36.7 55.1

86 58.0 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

150000

100000

50000

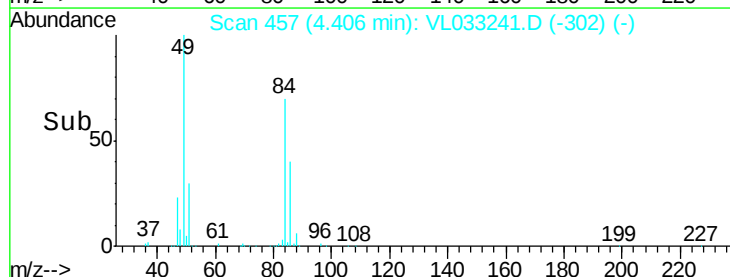
0

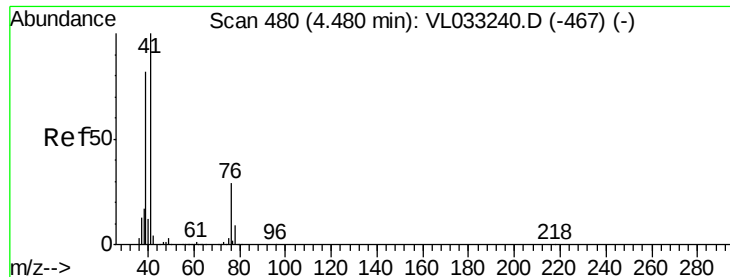
Time-->

4.35

4.40

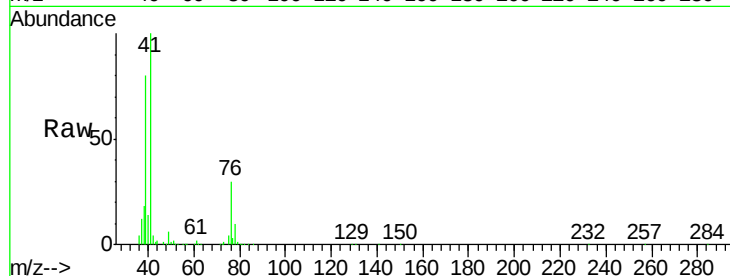
4.45



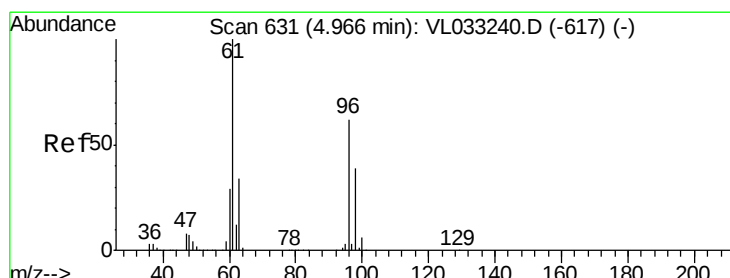
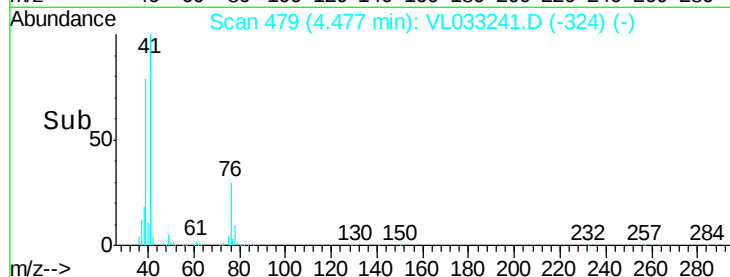
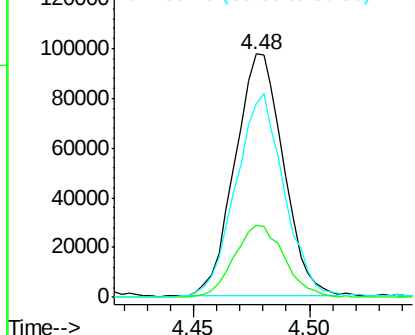


#21
Allvl Chloride
Concen: 2.027 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tot Ion: 41 Resp: 140410
Ion Ratio Lower Upper
41 100
76 31.0 24.6 36.8
39 86.3 65.2 97.8

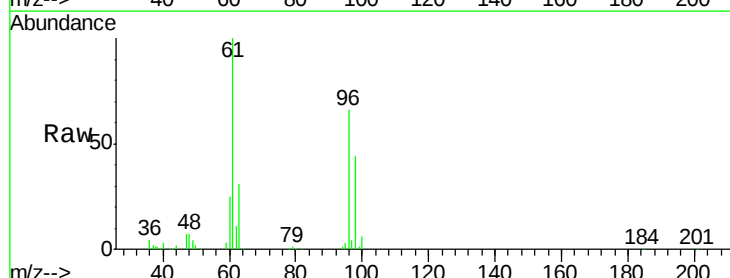


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

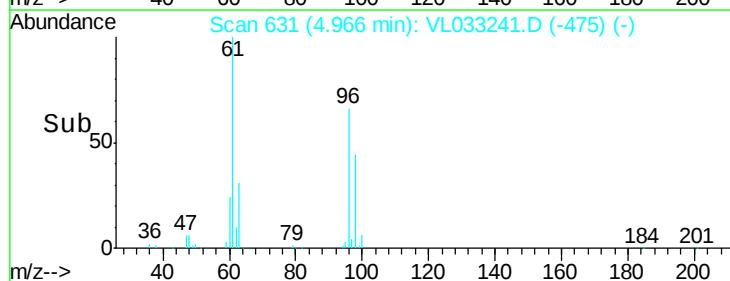
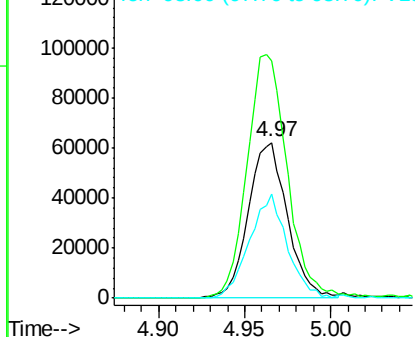


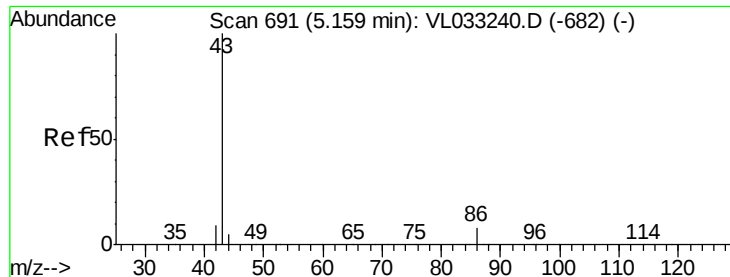
#22
trans-1,2-Dichloroethene
Concen: 2.201 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tgt Ion: 96 Resp: 98192
Ion Ratio Lower Upper
96 100
61 152.0 128.3 192.5
98 66.9 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: 2.014 ppbv

RT: 5.15 min Scan# 689

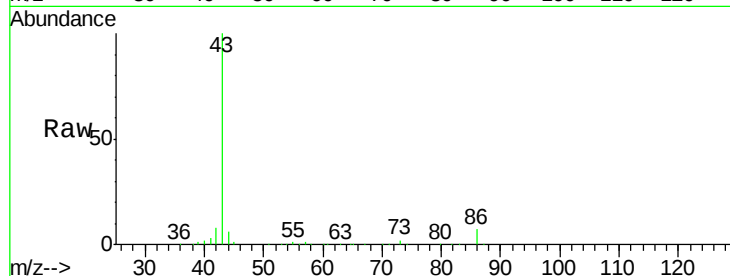
Delta R.T. -0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

Tot Ion: 43 Resp: 374920

Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.5	8.3
42	8.3	7.7	11.5
44	5.4	4.1	6.1

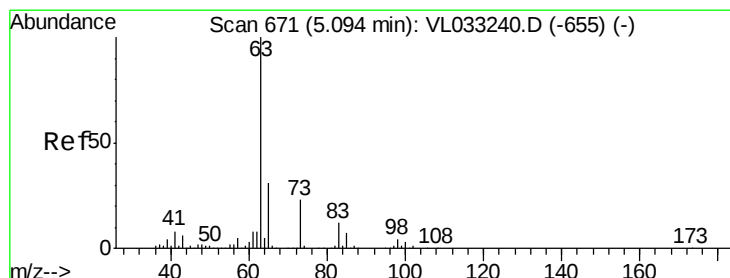
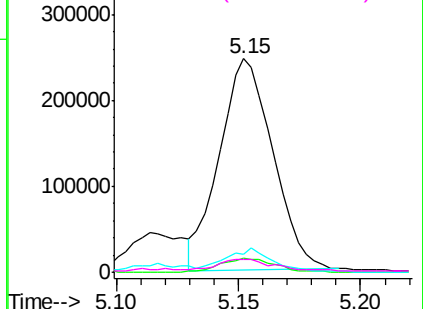
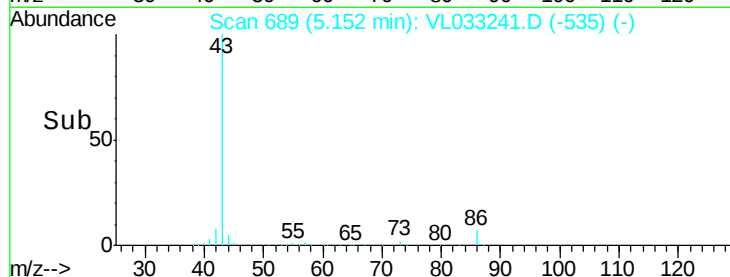


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.069 ppbv

RT: 5.09 min Scan# 669

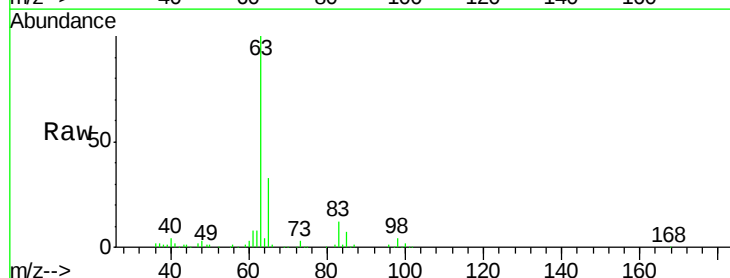
Delta R.T. -0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

Tgt Ion: 63 Resp: 274328

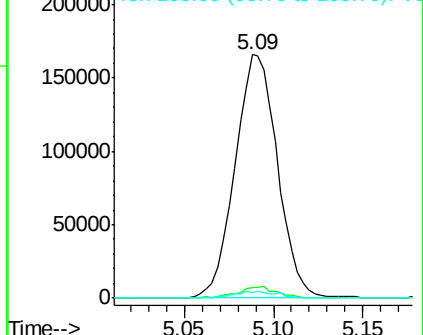
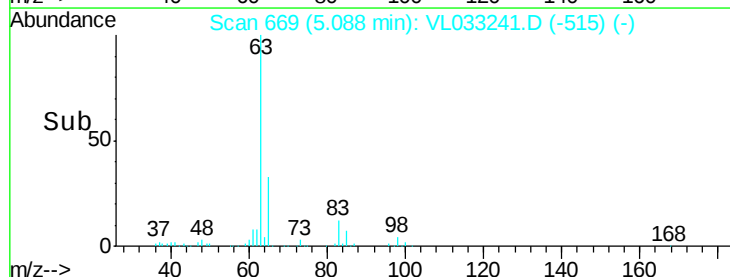
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.3
100	2.1	1.3	3.8

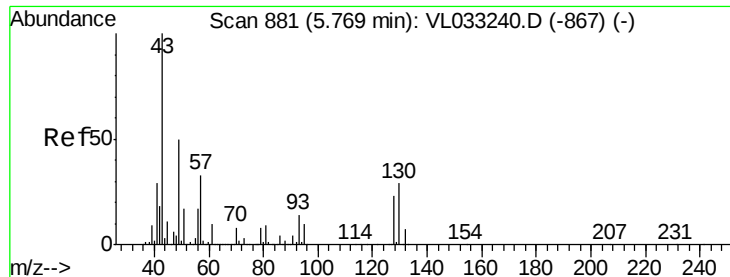


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

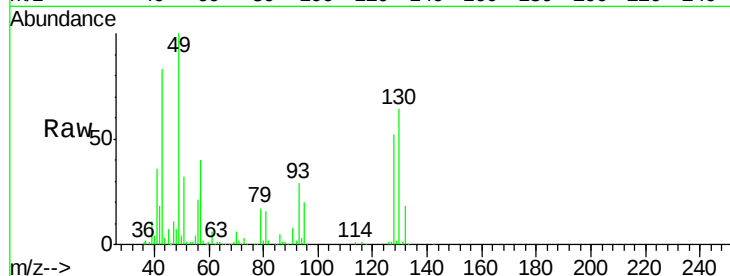
Ion 100.00 (99.70 to 100.70): VL0



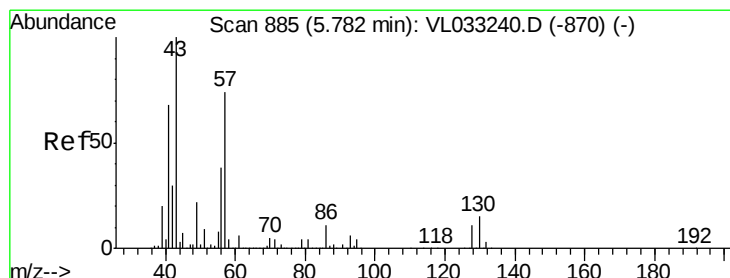
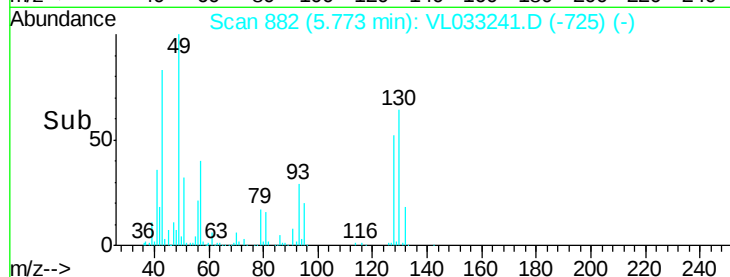
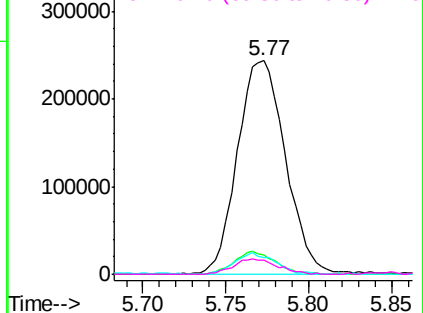


#25
Ethyl Acetate
Concen: 2.006 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tot Ion:	43	Resp:	486907
Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.6
61	8.5	7.0	10.6
70	6.6	5.5	8.3

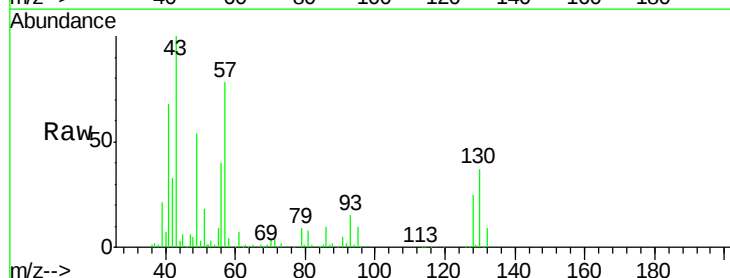


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

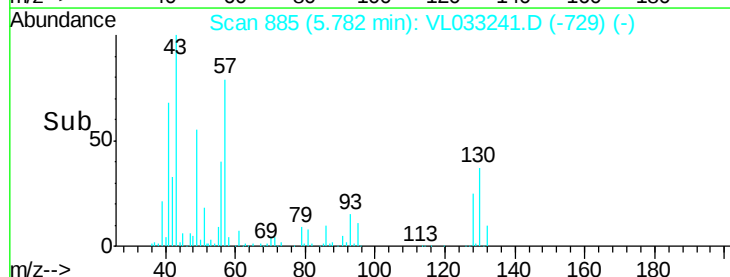
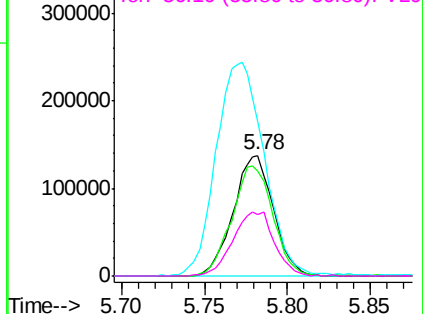


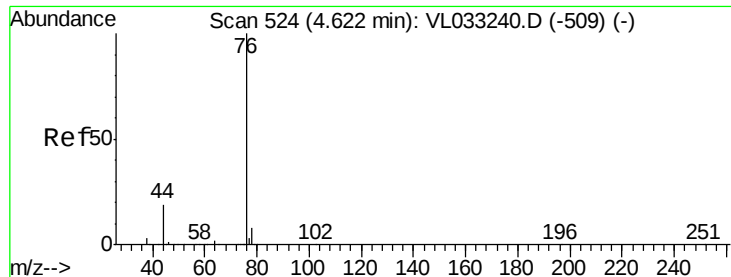
#26
Hexane
Concen: 2.044 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tgt Ion:	57	Resp:	231717
Ion	Ratio	Lower	Upper
57	100		
41	94.2	73.4	110.2
43	215.5	182.1	273.1
56	54.8	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: 2.118 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

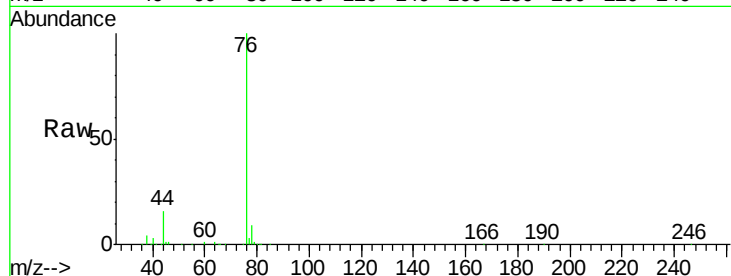
Tot Ion: 76 Resp: 216032

Ion Ratio Lower Upper

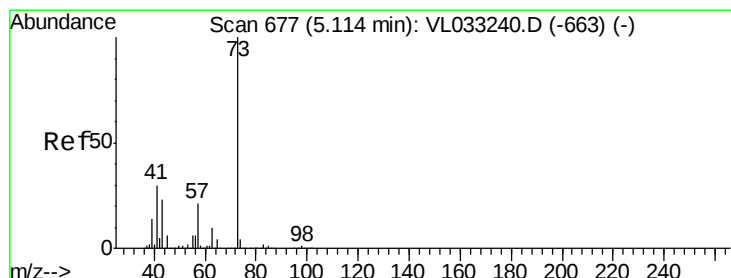
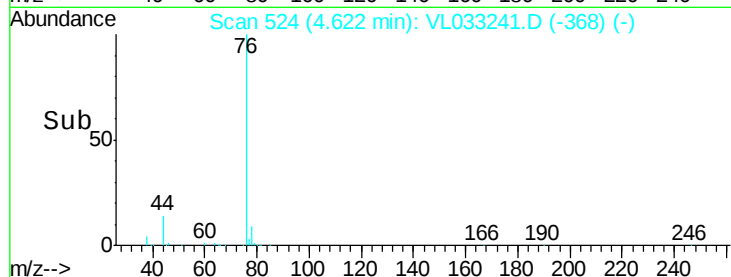
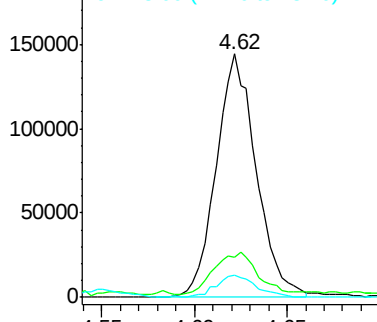
76 100

44 20.2 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: 2.002 ppbv

RT: 5.12 min Scan# 678

Delta R.T. 0.00 min

Lab File: VL033241.D

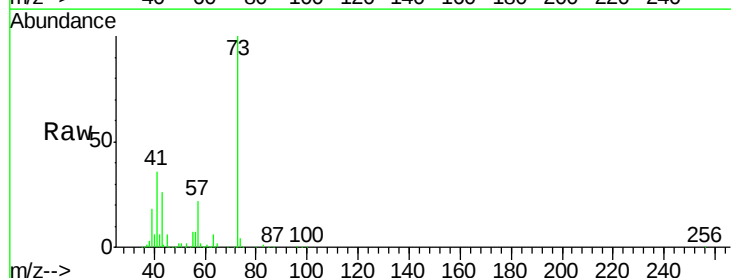
Acq: 6 Mar 2019 2:38

Tgt Ion: 73 Resp: 310755

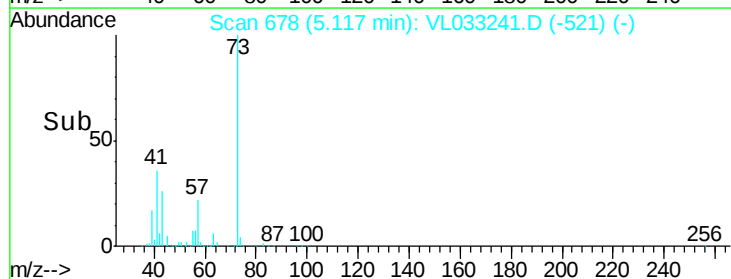
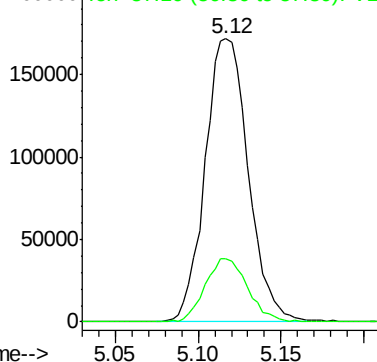
Ion Ratio Lower Upper

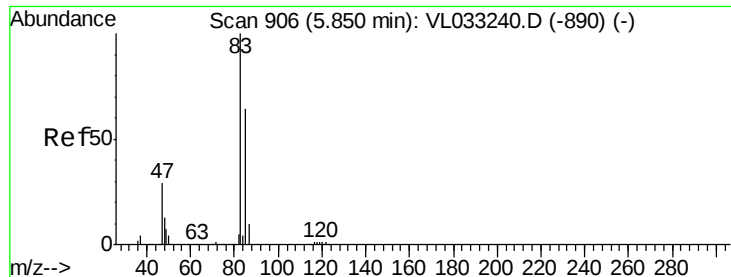
73 100

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: 1.990 ppbv

RT: 5.85 min Scan# 905

Delta R.T. -0.00 min

Lab File: VL033241.D

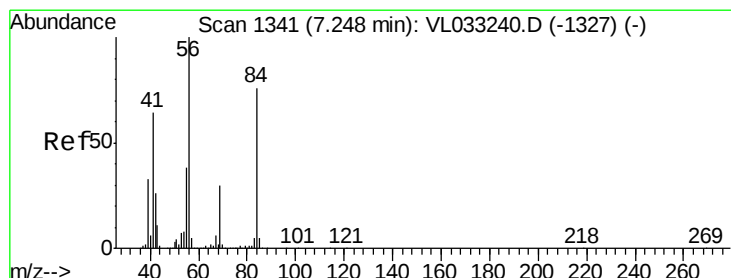
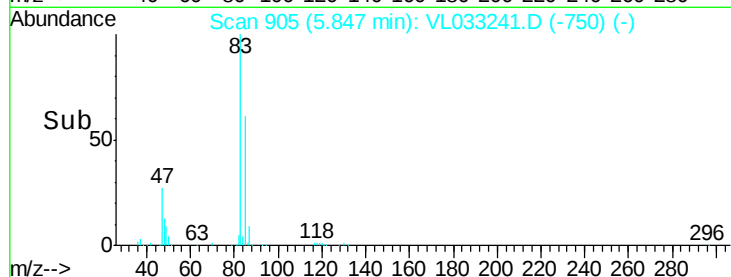
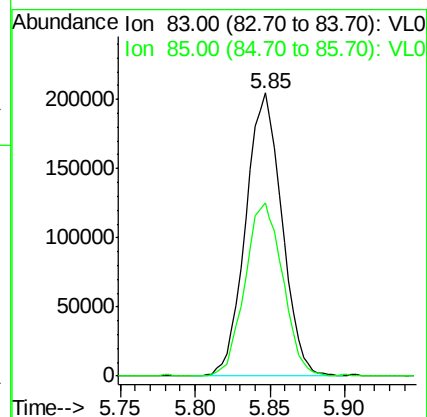
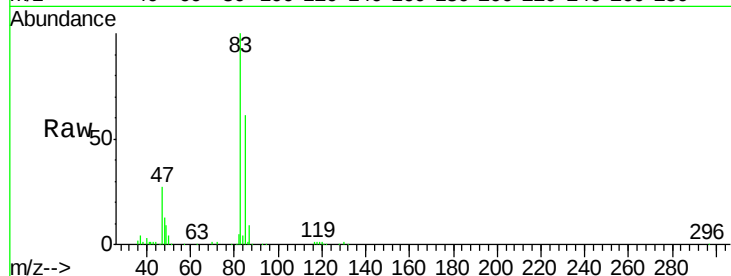
Acq: 6 Mar 2019 2:38

Tot Ion: 83 Resp: 346092

Ion Ratio Lower Upper

83 100

85 60.9 51.2 76.8



#30

Cyclohexane

Concen: 1.696 ppbv

RT: 7.25 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

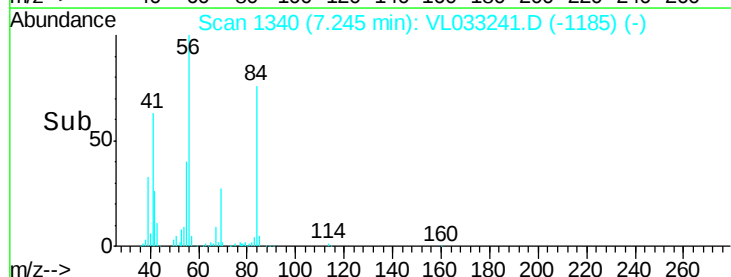
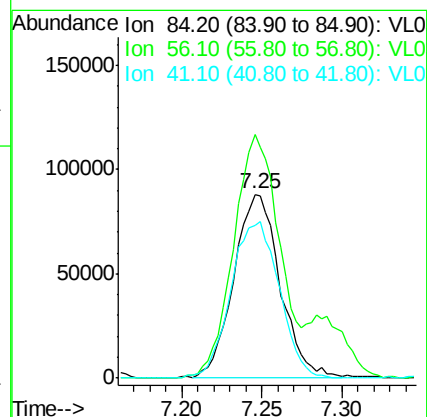
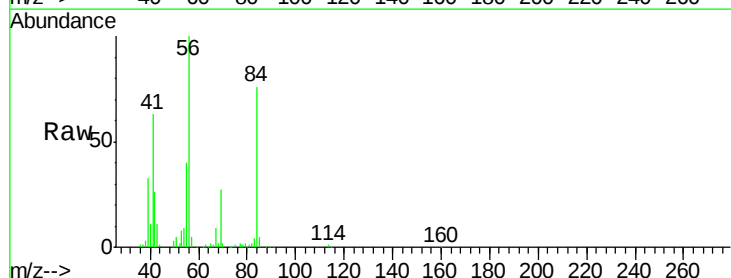
Tgt Ion: 84 Resp: 171908

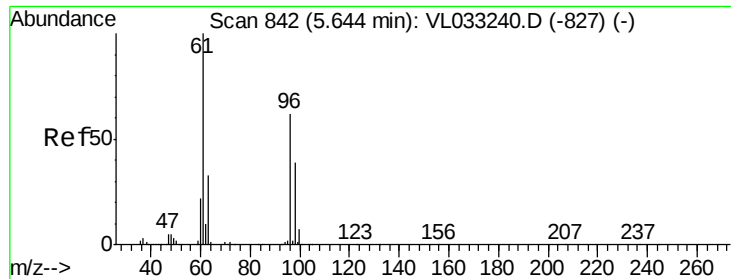
Ion Ratio Lower Upper

84 100

56 162.9 113.1 169.7

41 90.3 70.8 106.2

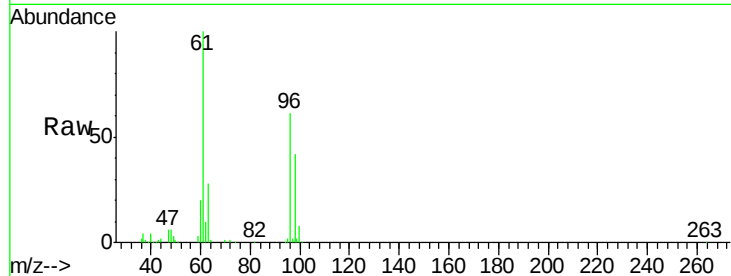




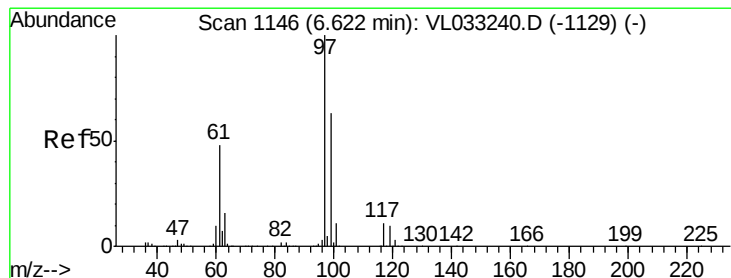
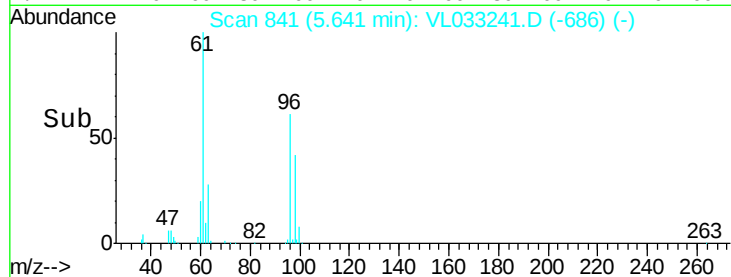
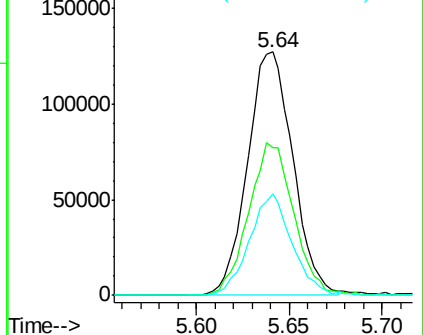
#31

cis-1,2-Dichloroethene
 Concen: 1.914 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033241.D
 Acq: 6 Mar 2019 2:38

Tot Ion	61	Resp	217033
Ion Ratio	Lower	Upper	
61	100		
96	60.9	49.4	74.0
98	41.7	31.2	46.8



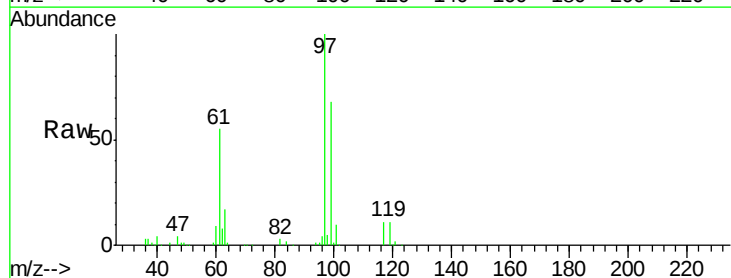
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



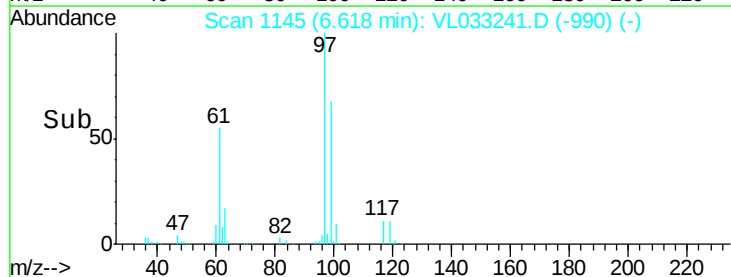
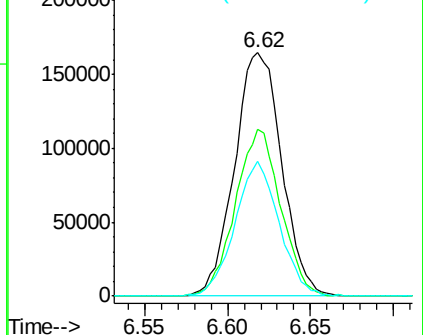
#32

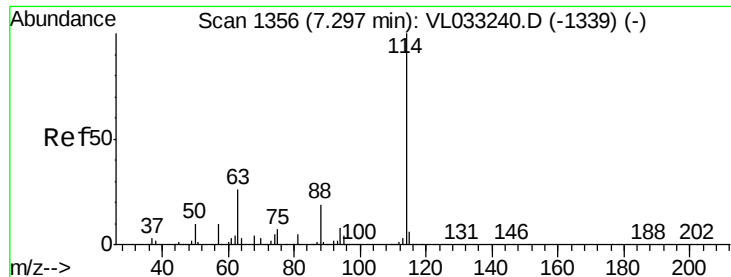
1,1,1-Trichloroethane
 Concen: 1.695 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VL033241.D
 Acq: 6 Mar 2019 2:38

Tgt Ion	97	Resp	325543
Ion Ratio	Lower	Upper	
97	100		
99	65.9	51.4	77.0
61	51.8	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: VL033241.D

Acq: 6 Mar 2019 2:38

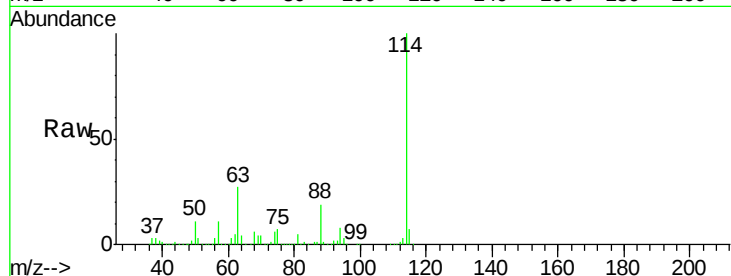
Tot Ion:114 Resp: 2150916

Ion Ratio Lower Upper

114 100

63 27.1 22.0 33.0

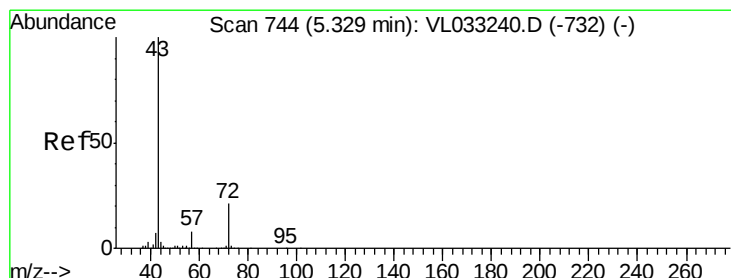
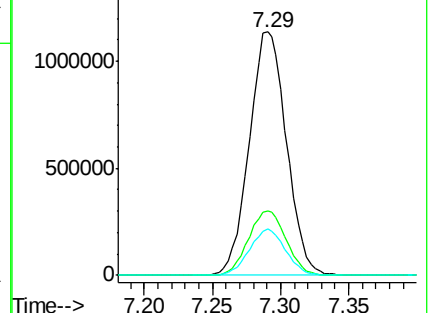
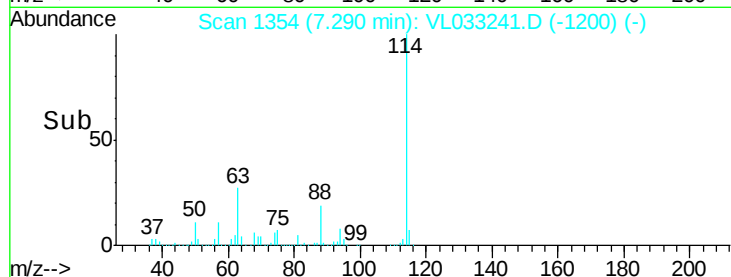
88 18.3 15.0 22.4



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: 2.211 ppbv

RT: 5.33 min Scan# 745

Delta R.T. 0.00 min

Lab File: VL033241.D

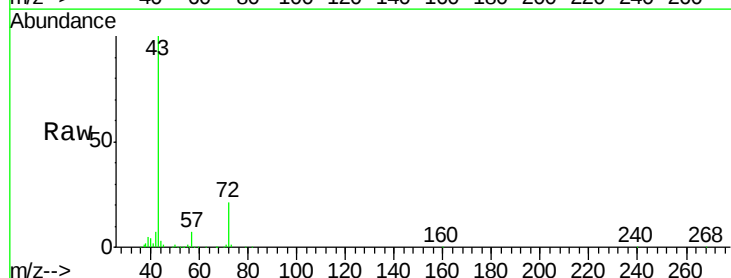
Acq: 6 Mar 2019 2:38

Tgt Ion: 43 Resp: 312443

Ion Ratio Lower Upper

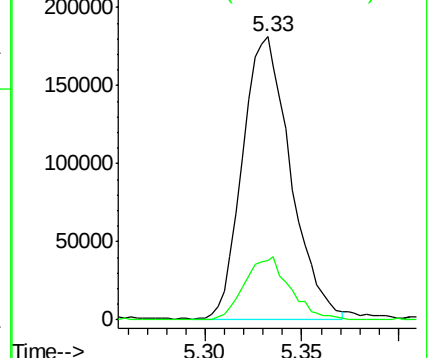
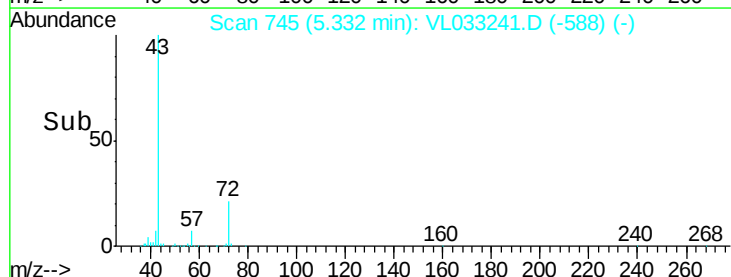
43 100

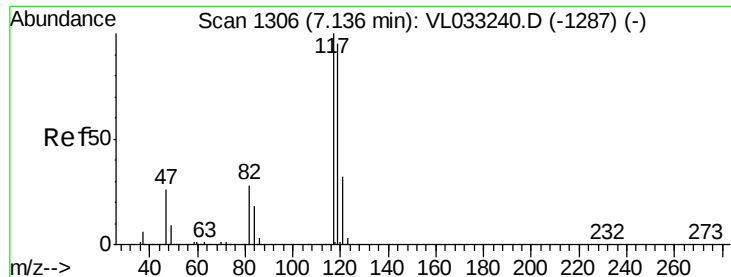
72 21.4 17.1 25.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 2.032 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

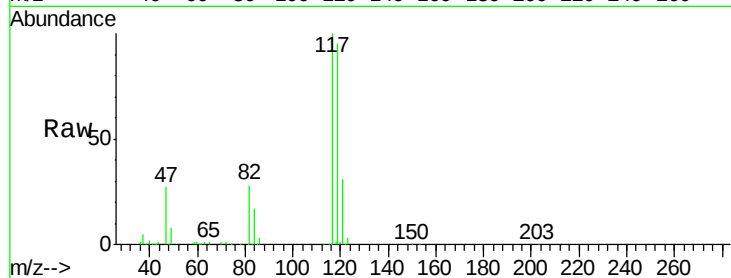
Tot Ion: 117 Resp: 337000

Ion Ratio Lower Upper

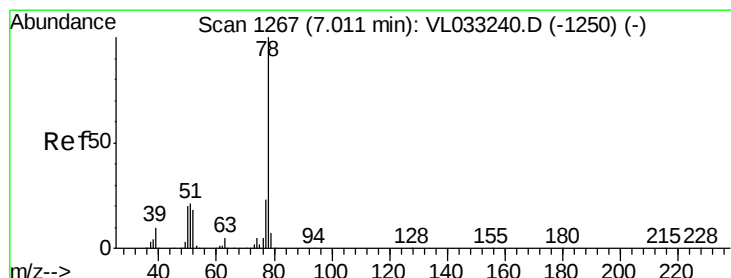
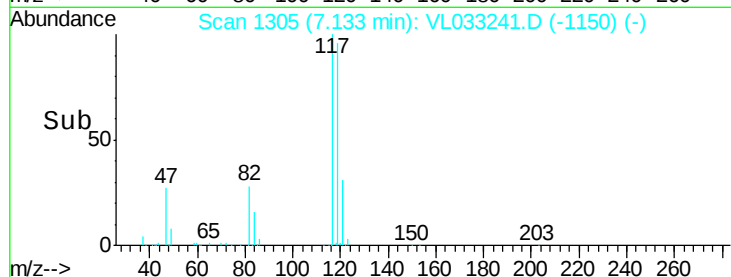
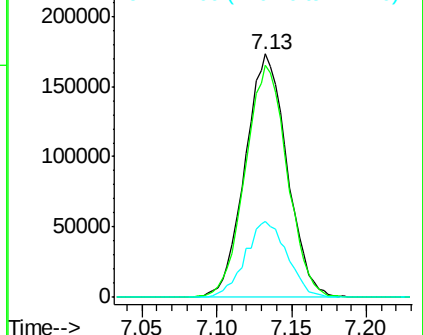
117 100

119 95.3 75.8 113.6

121 31.3 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: 1.942 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

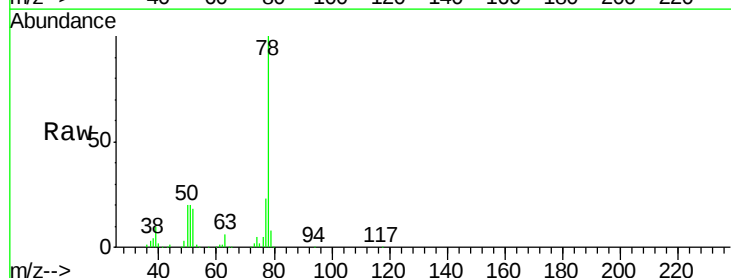
Tgt Ion: 78 Resp: 431745

Ion Ratio Lower Upper

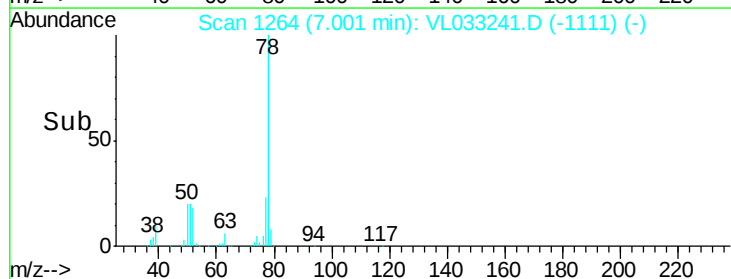
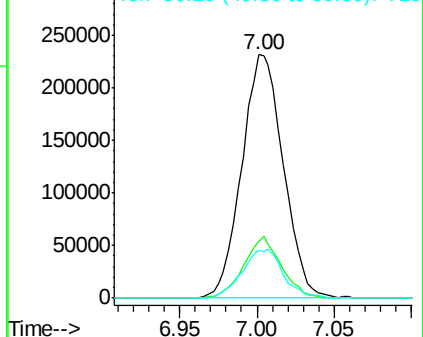
78 100

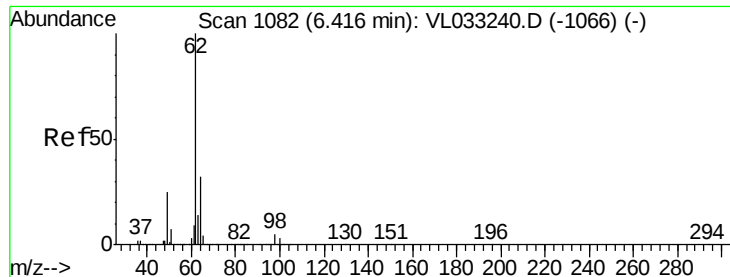
77 23.2 18.0 27.0

50 19.5 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: 2.115 ppbv

RT: 6.41 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VL033241.D

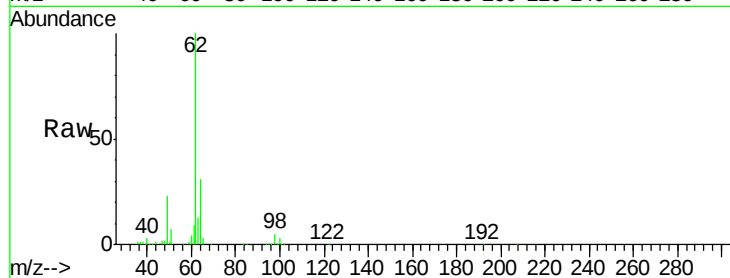
Acq: 6 Mar 2019 2:38

Tot Ion: 62 Resp: 266544

Ion Ratio Lower Upper

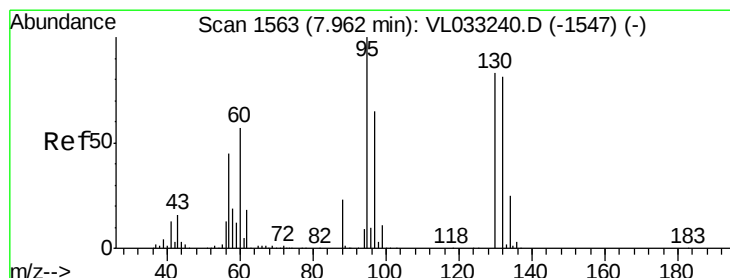
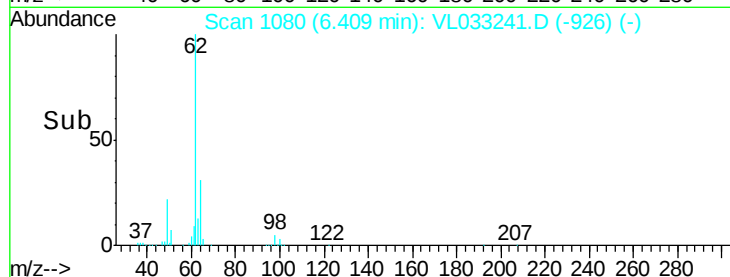
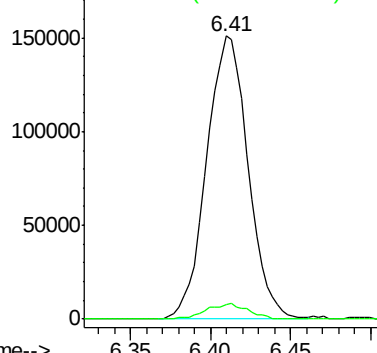
62 100

98 5.7 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: 2.058 ppbv m

RT: 7.96 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

Tgt Ion:130 Resp: 192848

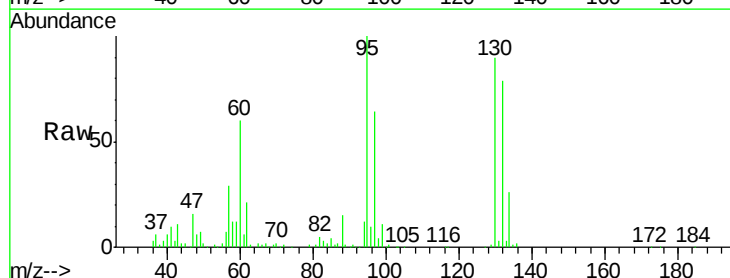
Ion Ratio Lower Upper

130 100

95 111.2 95.7 143.5

132 88.2 77.4 116.2

97 71.5 62.5 93.7

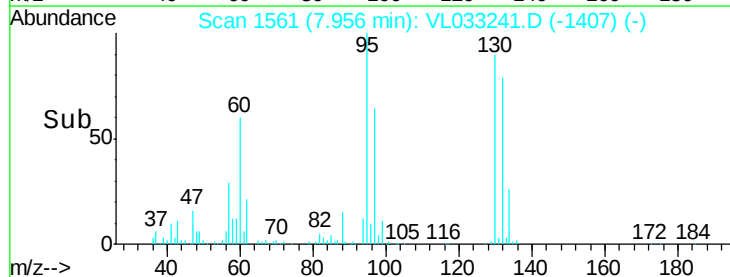
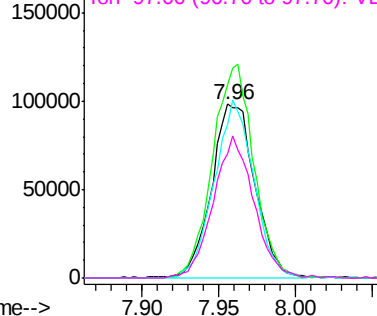


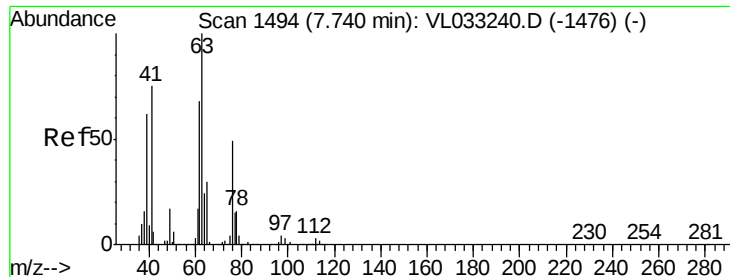
Abundance Ion 130.00 (129.70 to 130.70): V

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: 2.198 ppbv

RT: 7.73 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

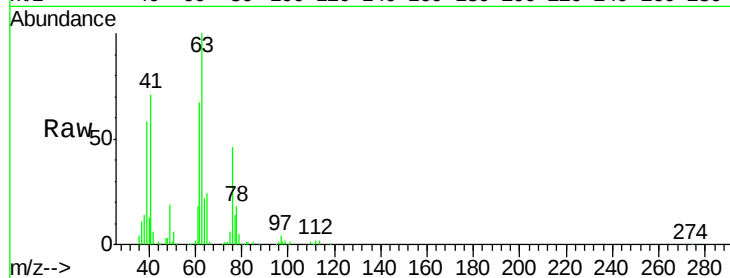
Tot Ion: 63 Resp: 189671

Ion Ratio Lower Upper

63 100

41 70.5 60.0 90.0

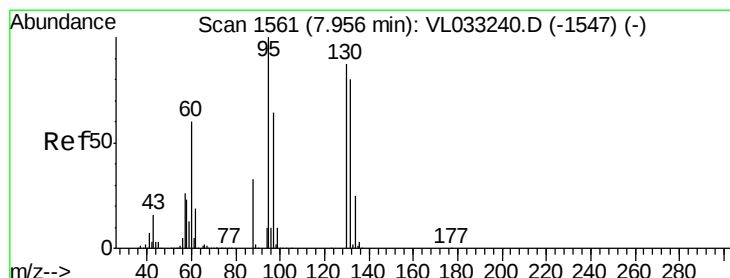
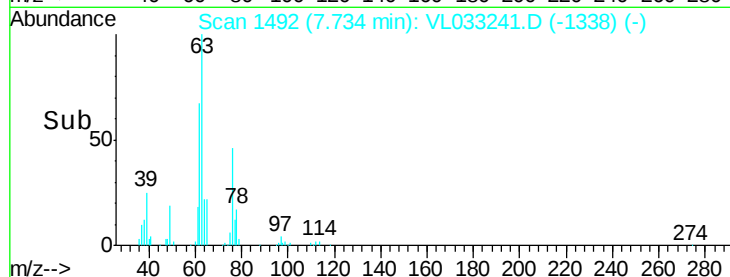
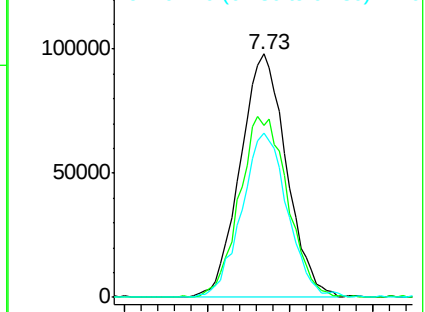
62 67.6 54.2 81.4



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: 1.934 ppbv m

RT: 7.97 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

Tgt Ion: 88 Resp: 60336

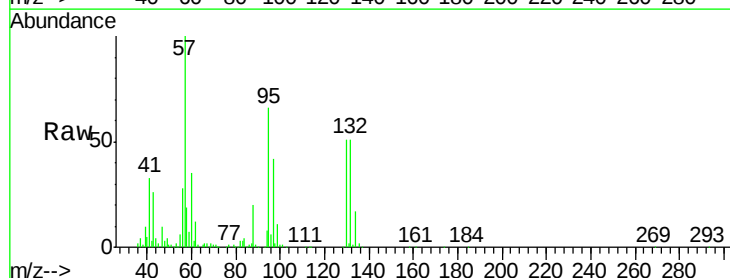
Ion Ratio Lower Upper

88 100

58 148.3 105.1 157.7

43 0.0 0.0 0.0

57 0.0 0.0 0.0

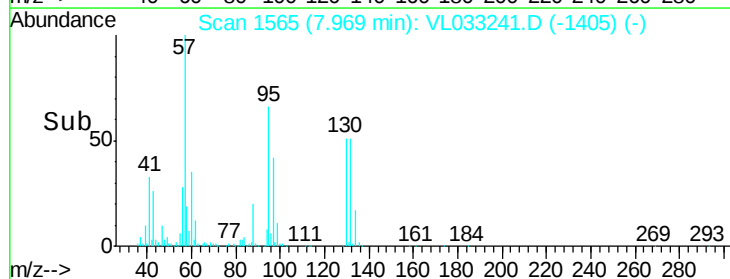
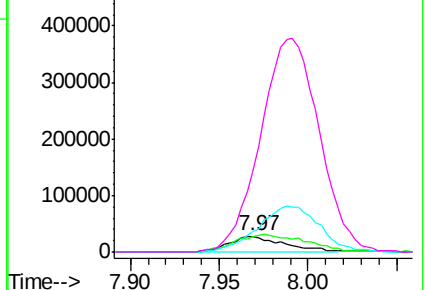


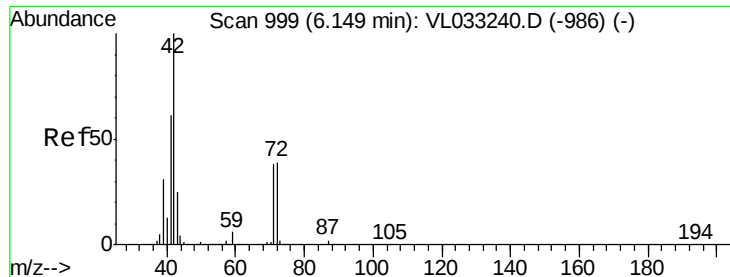
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 2.002 ppbv

RT: 6.16 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

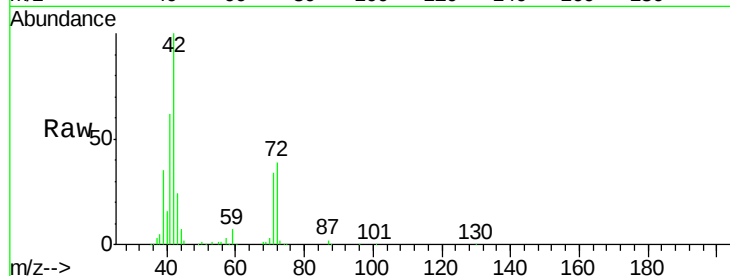
Tot Ion: 42 Resp: 173981

Ion Ratio Lower Upper

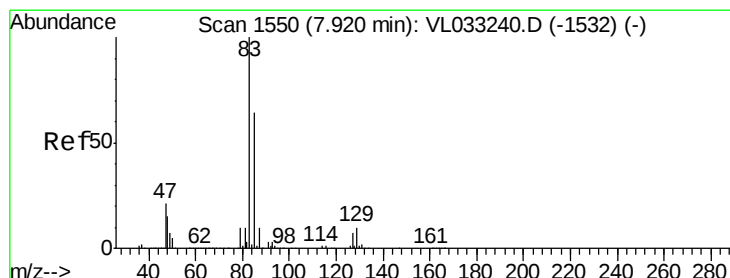
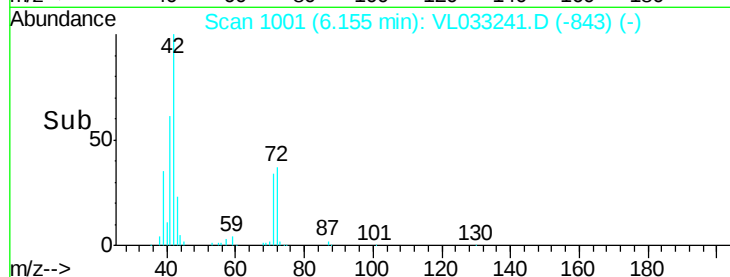
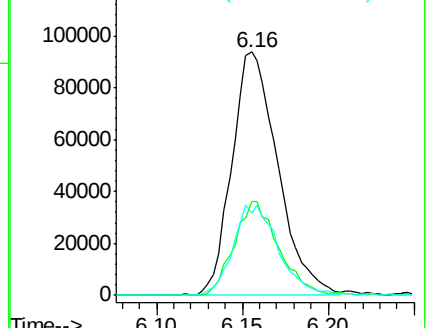
42 100

72 37.8 30.2 45.4

71 36.9 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: 2.365 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

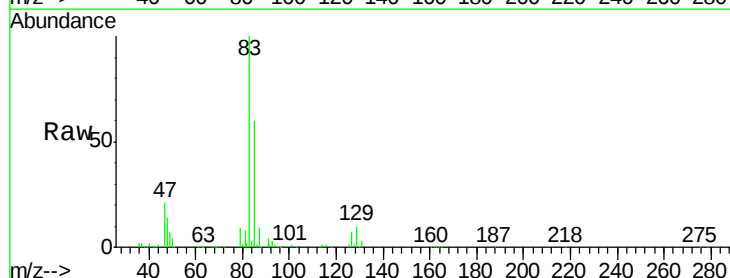
Tgt Ion: 83 Resp: 420306

Ion Ratio Lower Upper

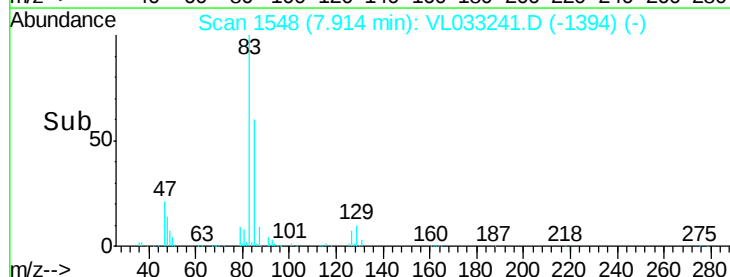
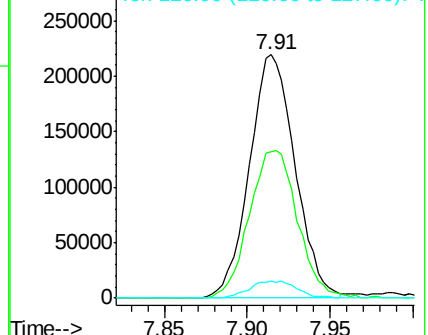
83 100

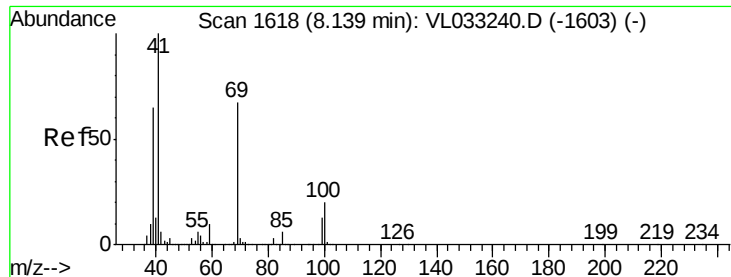
85 60.2 51.5 77.3

127 6.9 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: 2.272 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

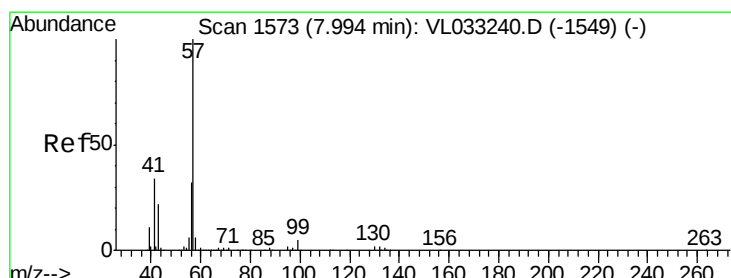
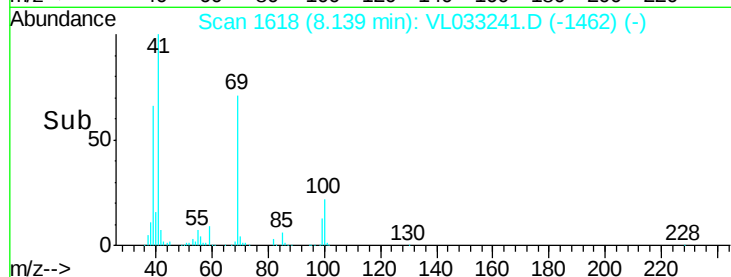
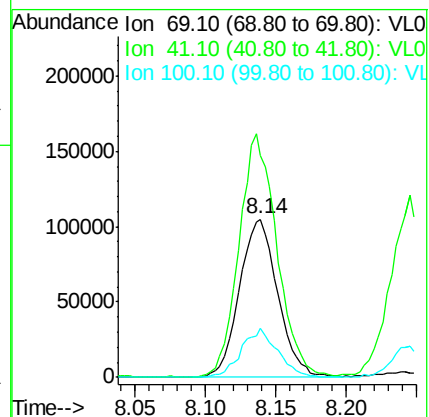
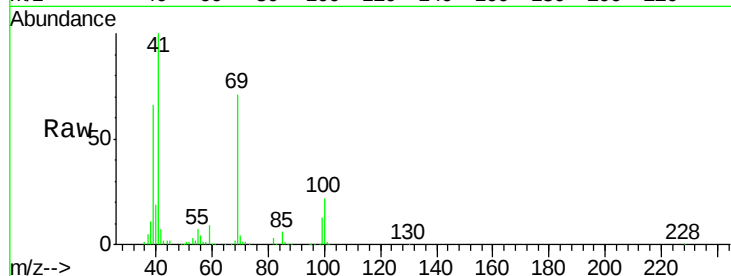
Tot Ion: 69 Resp: 199878

Ion Ratio Lower Upper

69 100

41 152.0 120.9 181.3

100 29.1 24.4 36.6



#44

2,2,4-Trimethylpentane

Concen: 2.338 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

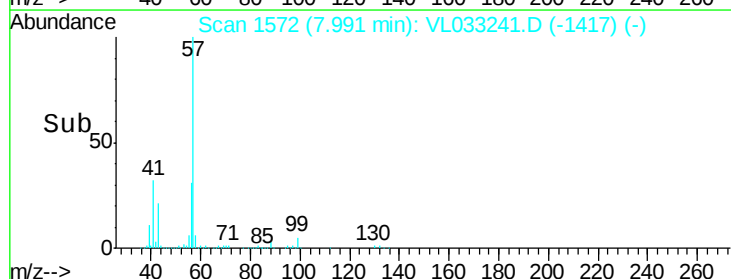
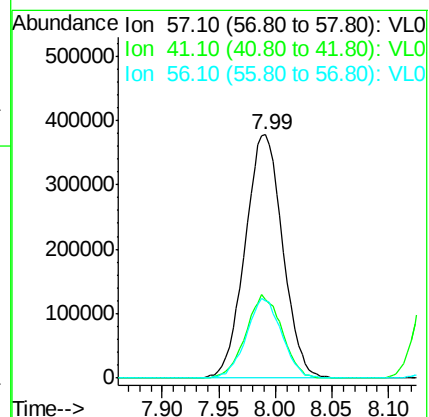
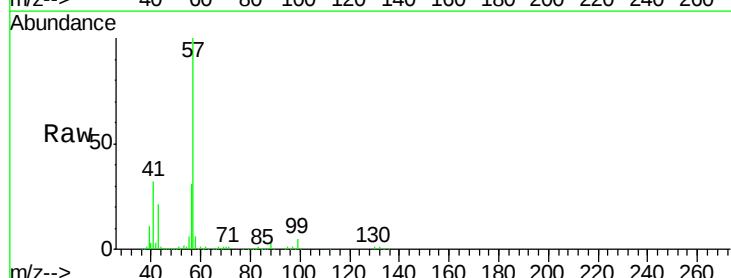
Tgt Ion: 57 Resp: 872636

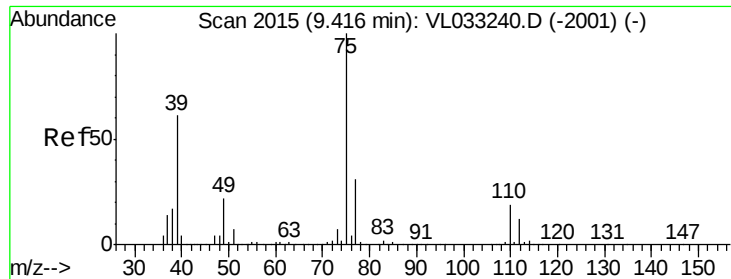
Ion Ratio Lower Upper

57 100

41 33.2 26.1 39.1

56 30.9 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 2.375 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL033241.D

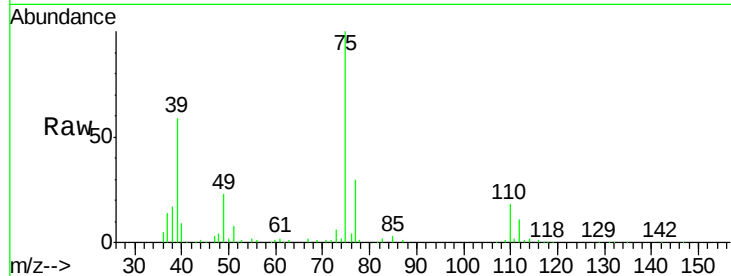
Acq: 6 Mar 2019 2:38

Tot Ion: 75 Resp: 232594

Ion Ratio Lower Upper

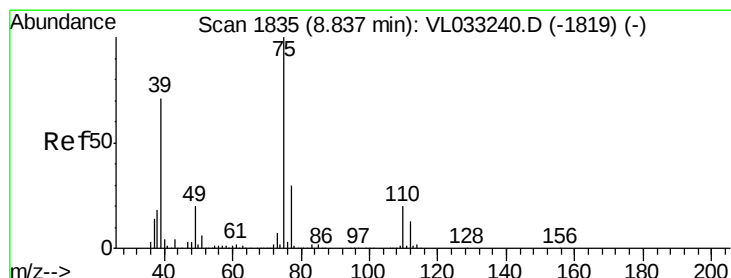
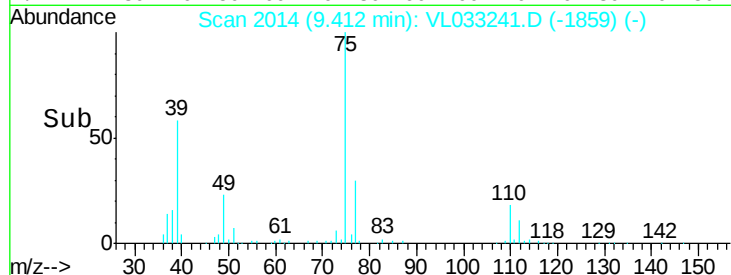
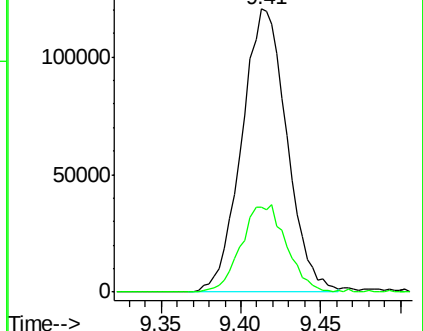
75 100

77 30.2 24.7 37.1



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 2.226 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

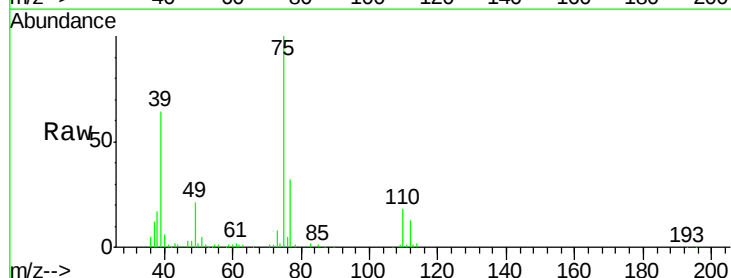
Tgt Ion: 75 Resp: 277662

Ion Ratio Lower Upper

75 100

39 64.2 57.0 85.6

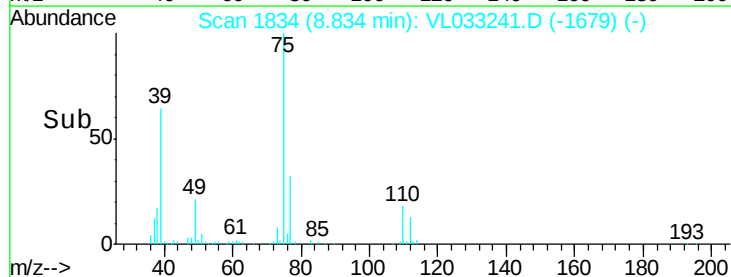
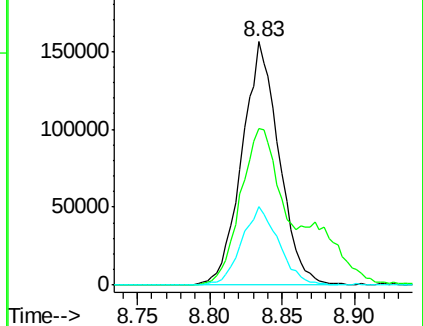
77 32.5 24.0 36.0

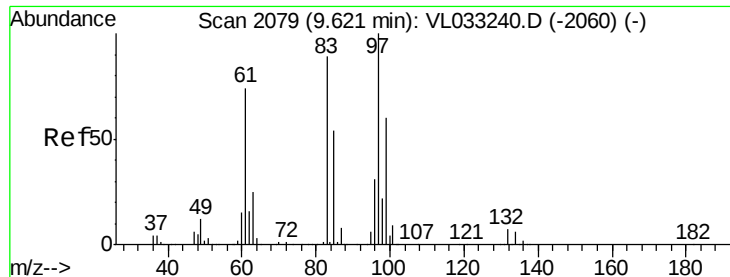


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 2.277 ppbv

RT: 9.61 min Scan# 2077

Delta R.T. -0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

Tot Ion: 97 Resp: 204383

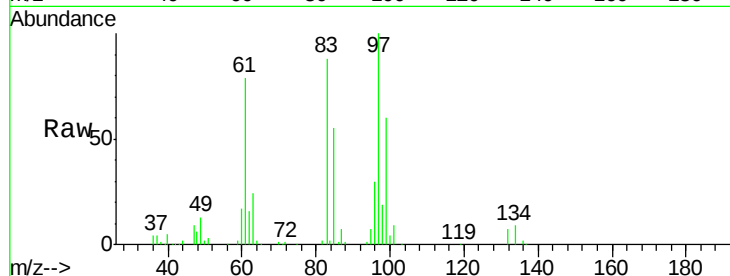
Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.1	106.7
85	54.0	42.9	64.3
99	59.9	48.2	72.4

97 100

83 87.3 71.1 106.7

85 54.0 42.9 64.3

99 59.9 48.2 72.4

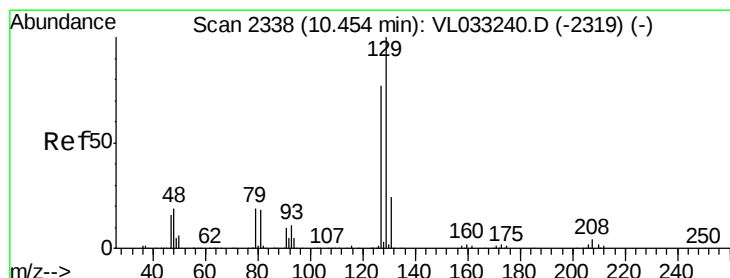
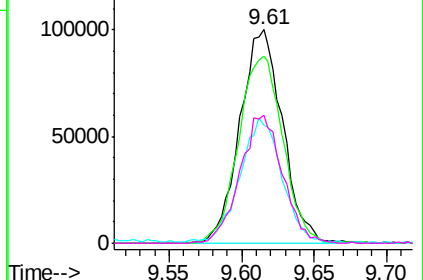
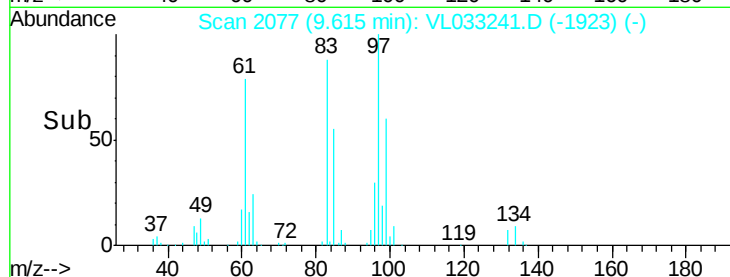


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 2.292 ppbv

RT: 10.45 min Scan# 2336

Delta R.T. -0.01 min

Lab File: VL033241.D

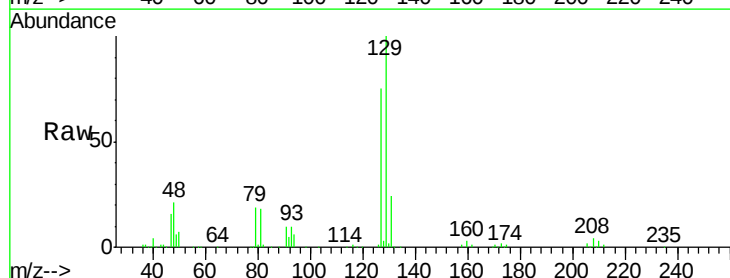
Acq: 6 Mar 2019 2:38

Tgt Ion: 129 Resp: 325344

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.0	117.0

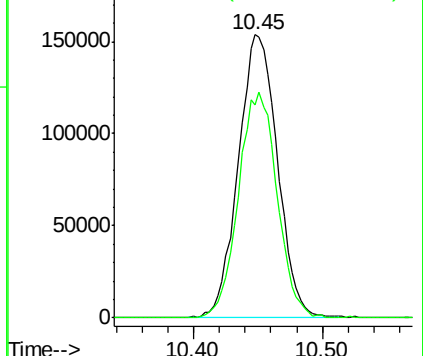
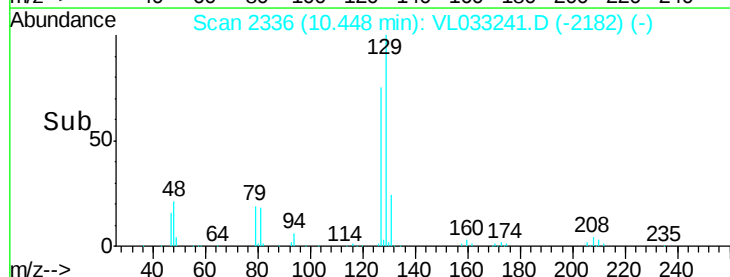
129 100

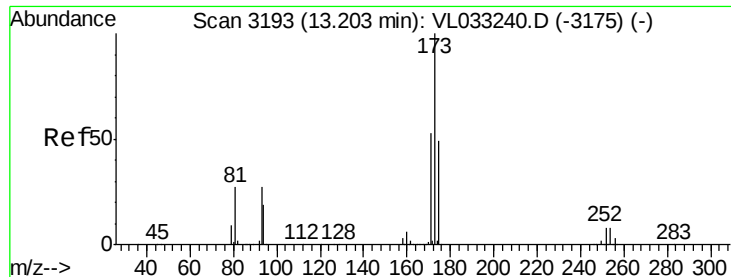
127 78.6 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.153 ppbv m

RT: 13.20 min Scan# 3191

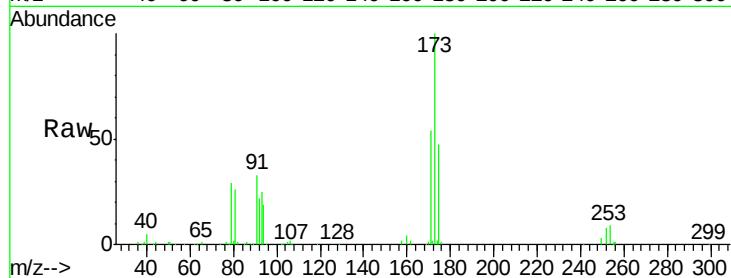
Delta R.T. -0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

Tot Ion:173 Resp: 260119

Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.9	58.3
171	51.2	41.4	62.0

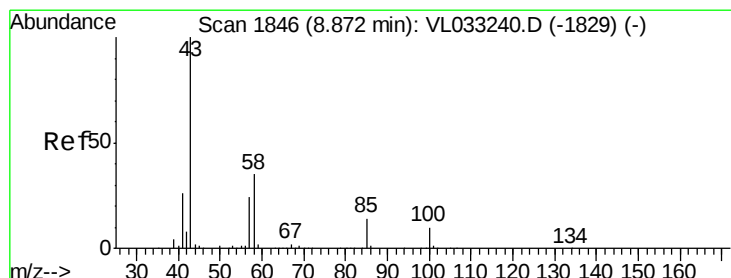
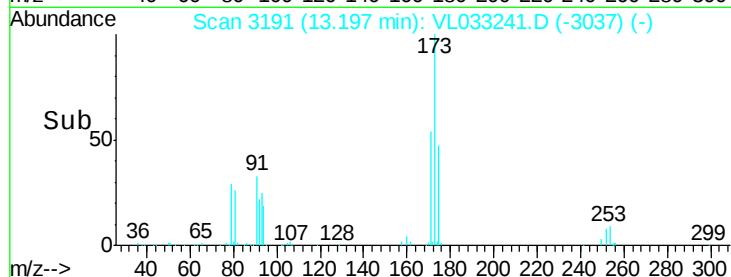
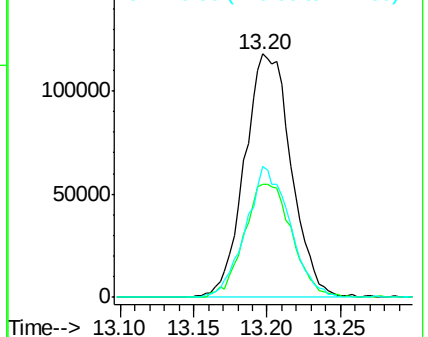


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 2.404 ppbv

RT: 8.88 min Scan# 1847

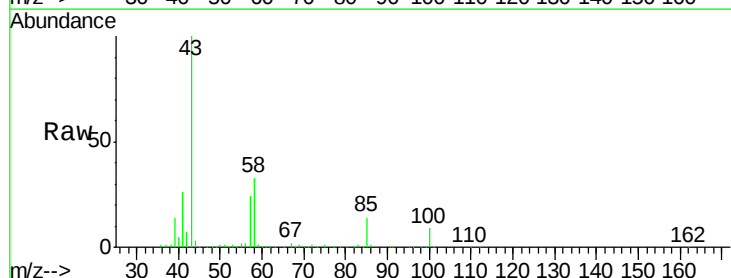
Delta R.T. 0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

Tgt Ion: 43 Resp: 533473

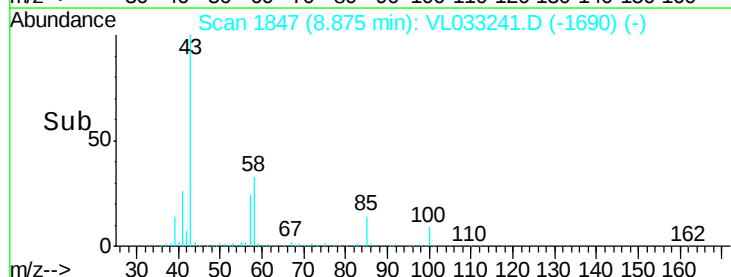
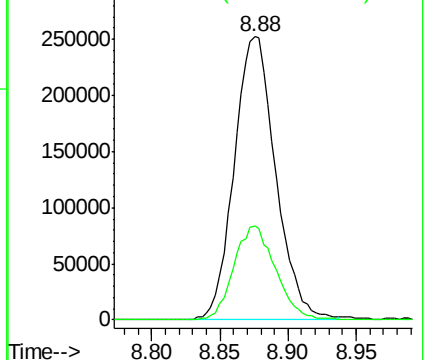
Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.8	41.6

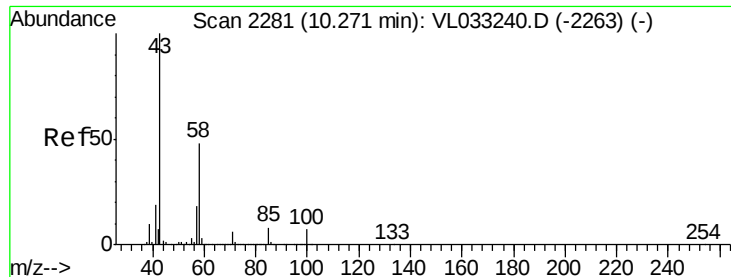


Abundance

Ion 43.10 (42.80 to 43.80): VL0

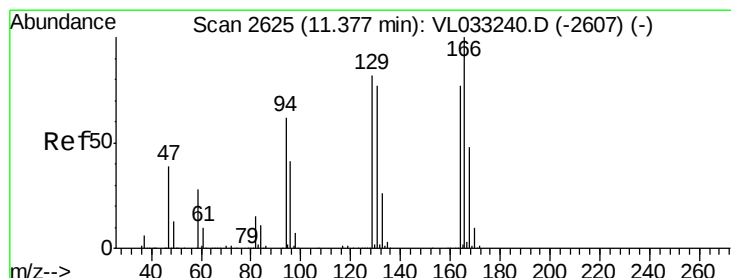
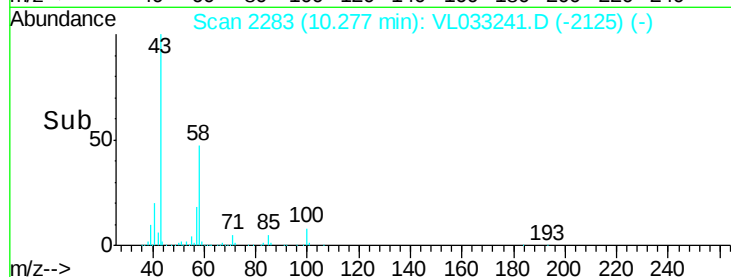
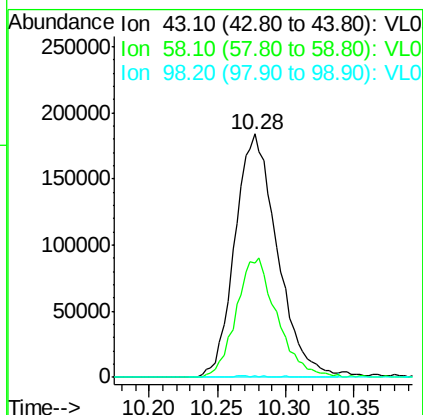
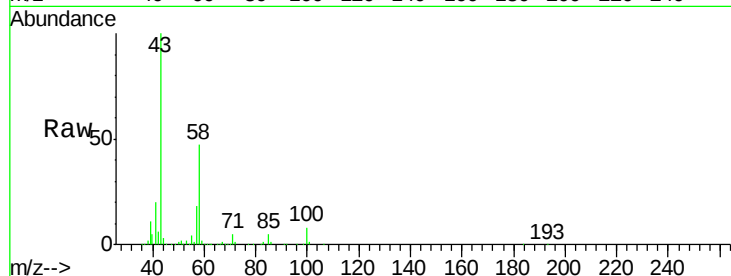
Ion 58.10 (57.80 to 58.80): VL0





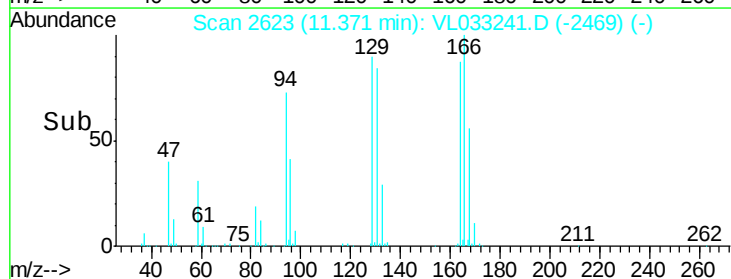
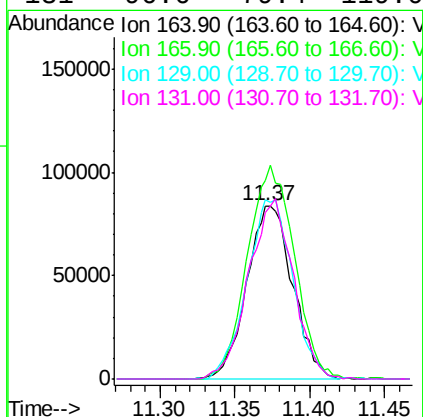
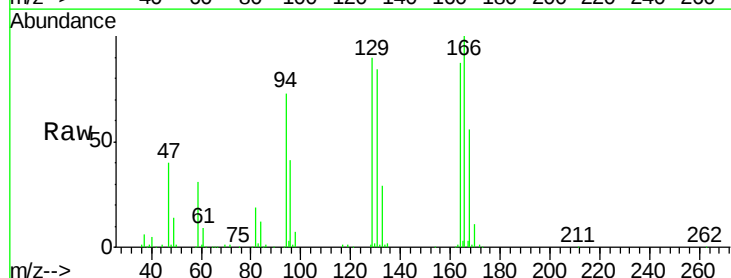
#51
2-Hexanone
Concen: 2.290 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. 0.01 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

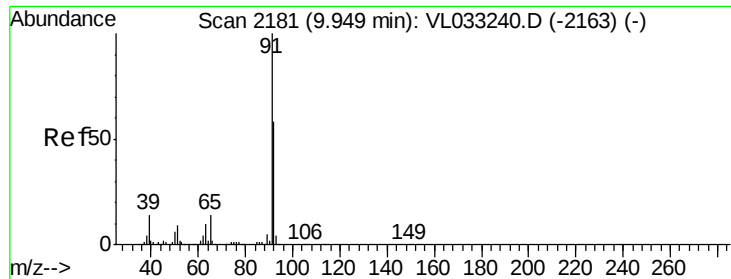
Tot Ion: 43 Resp: 397629
Ion Ratio Lower Upper
43 100
58 47.6 38.2 57.2
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 2.117 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tgt Ion: 164 Resp: 178218
Ion Ratio Lower Upper
164 100
166 114.6 103.3 154.9
129 103.6 84.4 126.6
131 96.6 79.4 119.0





#53

Toluene

Concen: 2.179 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033241.D

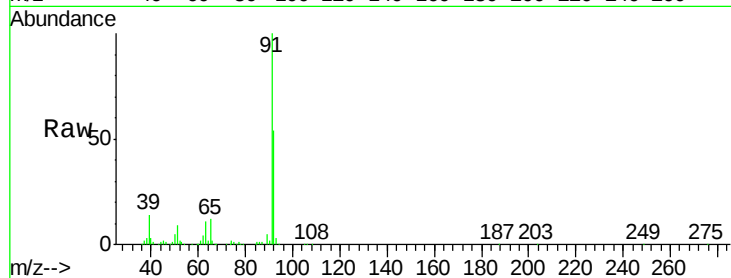
Acq: 6 Mar 2019 2:38

Tot Ion: 91 Resp: 564272

Ion Ratio Lower Upper

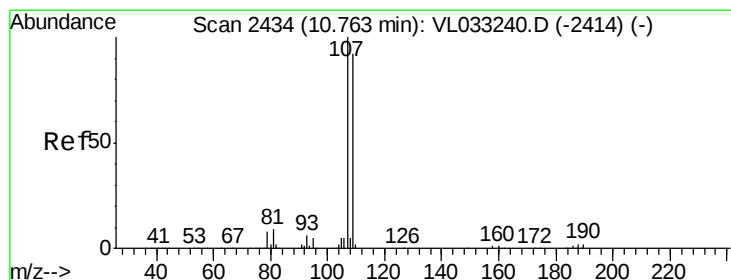
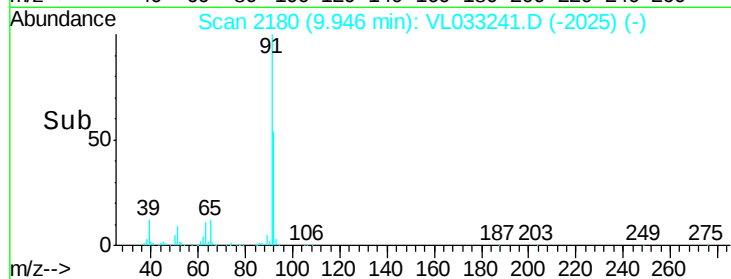
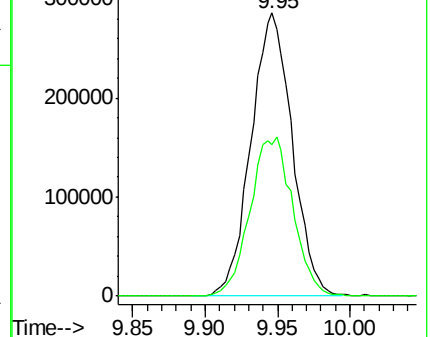
91 100

92 58.5 47.4 71.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 2.145 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL033241.D

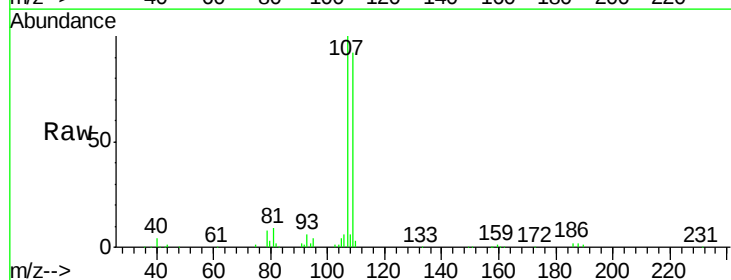
Acq: 6 Mar 2019 2:38

Tgt Ion: 107 Resp: 300784

Ion Ratio Lower Upper

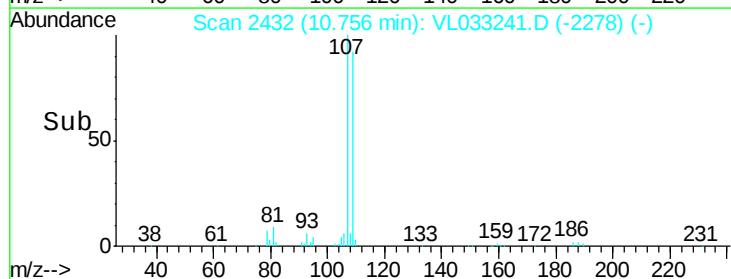
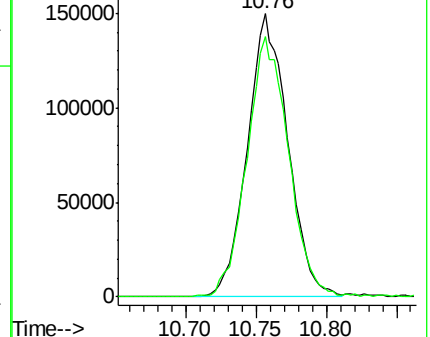
107 100

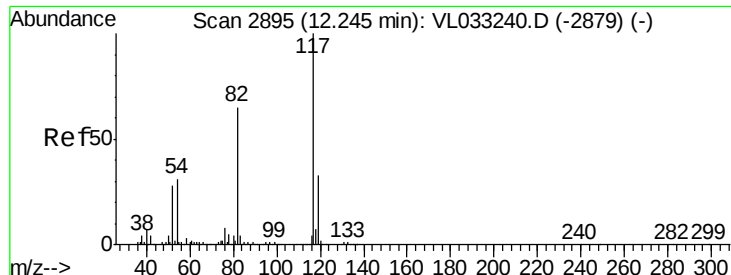
109 92.0 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

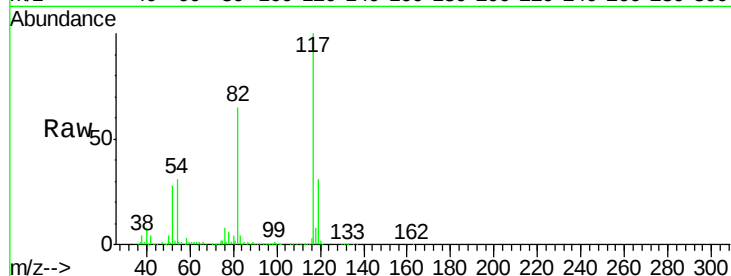
Tot Ion:117 Resp: 2547461

Ion Ratio Lower Upper

117 100

82 63.8 51.8 77.8

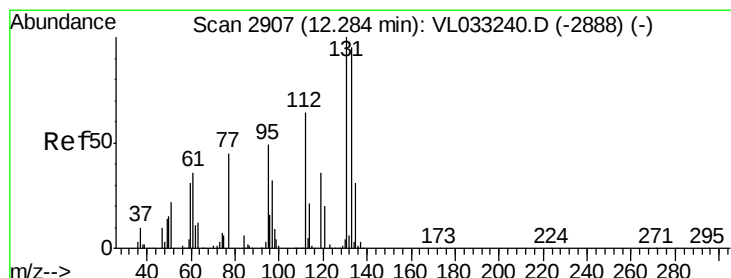
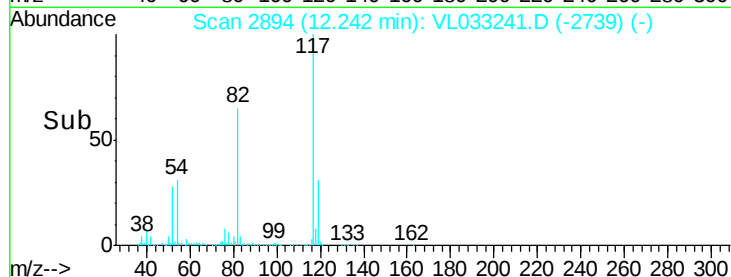
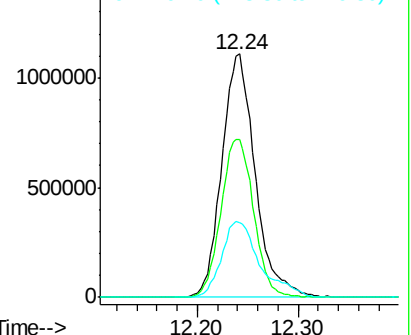
119 35.9 43.6 65.4#



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: 2.007 ppbv

RT: 12.28 min Scan# 2905

Delta R.T. -0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

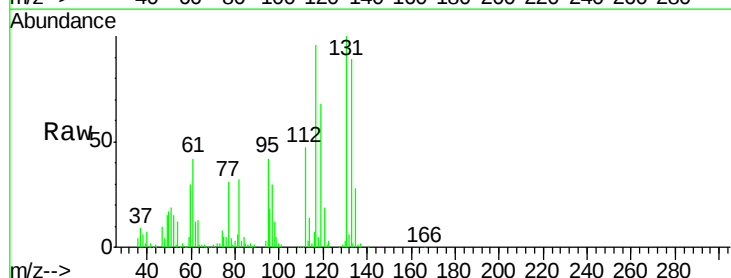
Tgt Ion:131 Resp: 235864

Ion Ratio Lower Upper

131 100

133 96.3 76.2 114.2

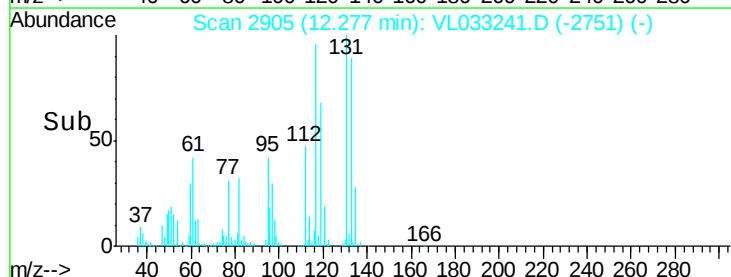
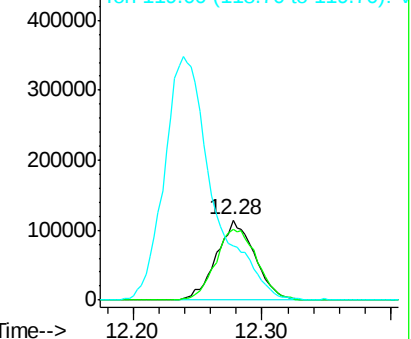
119 388.5 108.9 163.3#

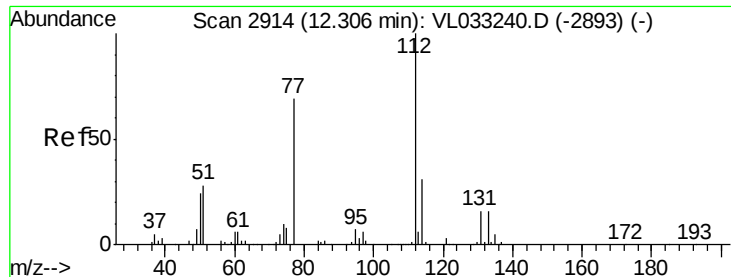


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

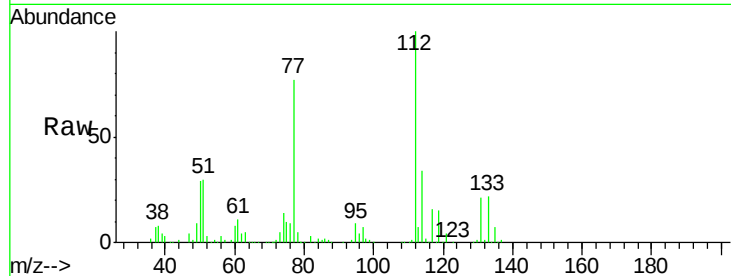
Ion 119.00 (118.70 to 119.70): V



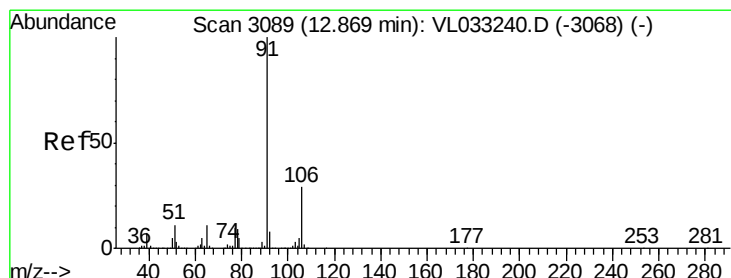
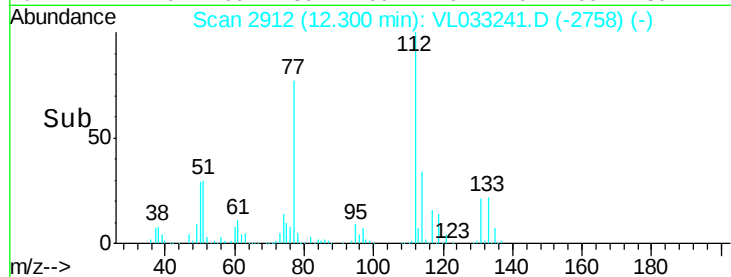
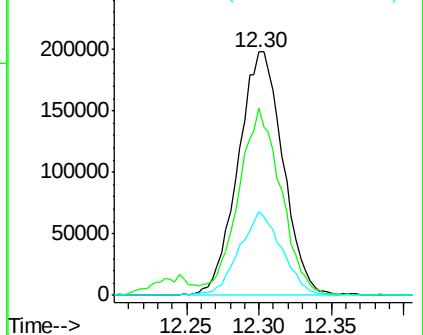


#57
Chlorobenzene
Concen: 1.904 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tot Ion:112 Resp: 422675
Ion Ratio Lower Upper
112 100
77 76.4 56.5 84.7
114 33.9 28.4 34.7

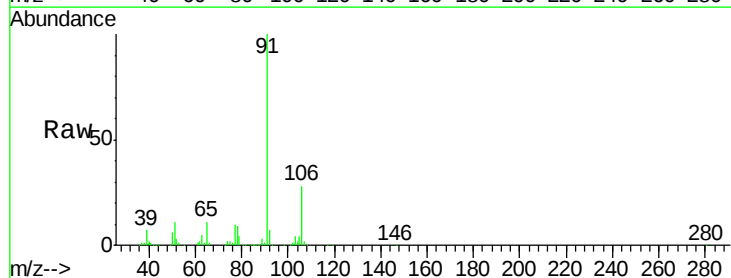


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

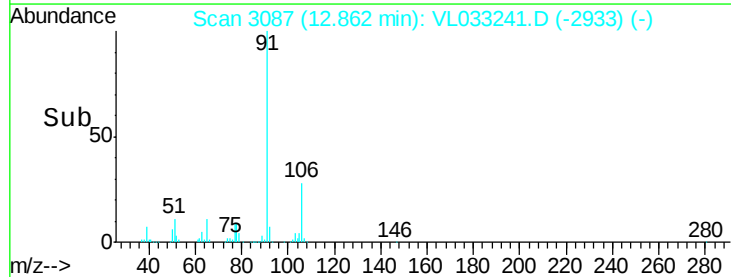
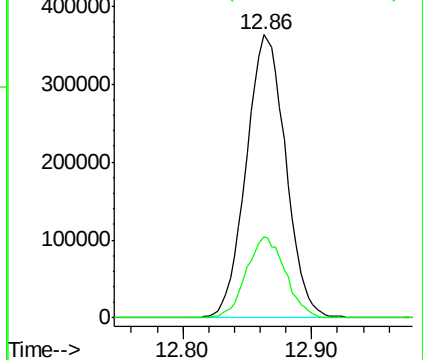


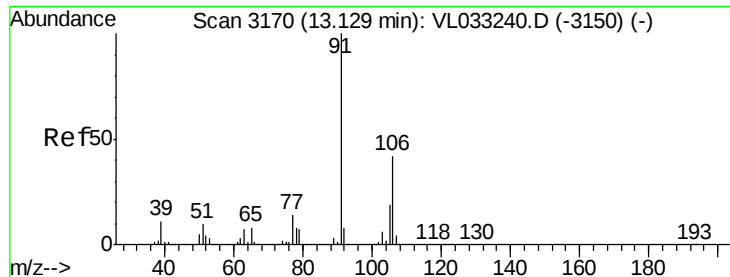
#58
Ethyl Benzene
Concen: 1.882 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tgt Ion: 91 Resp: 775600
Ion Ratio Lower Upper
91 100
106 28.5 23.5 35.3



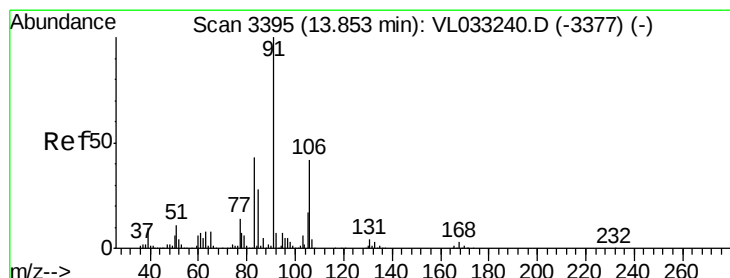
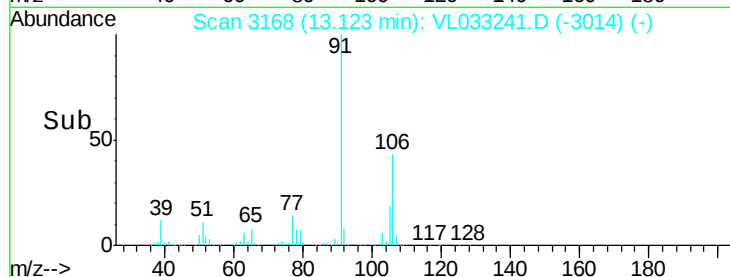
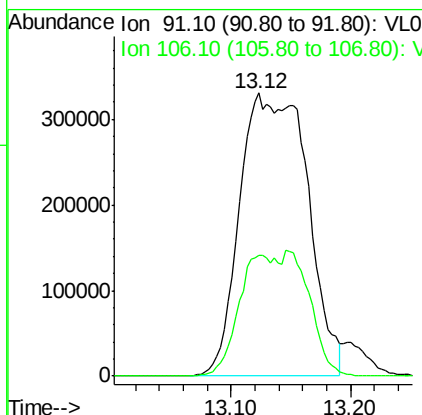
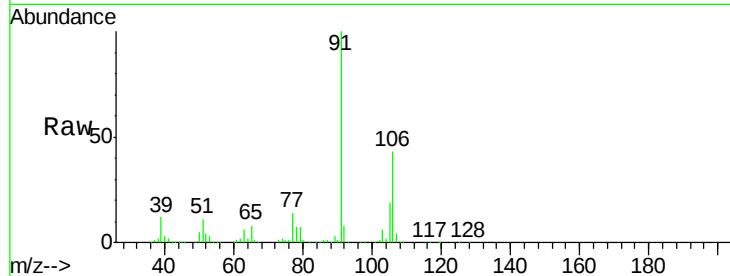
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





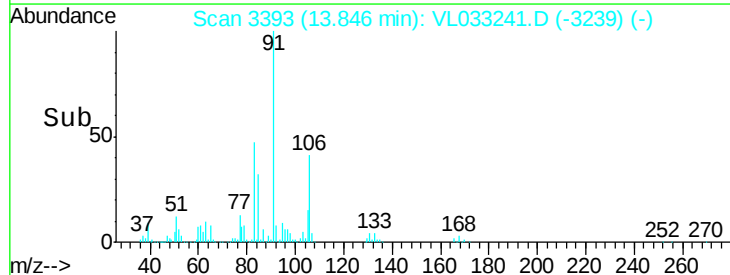
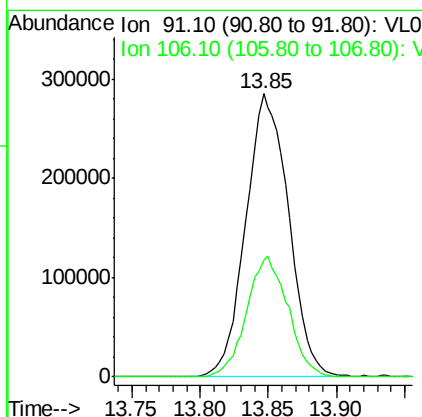
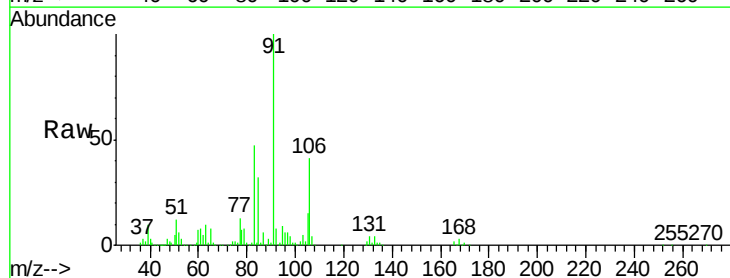
#59
m/p-Xylene
Concen: 3.774 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

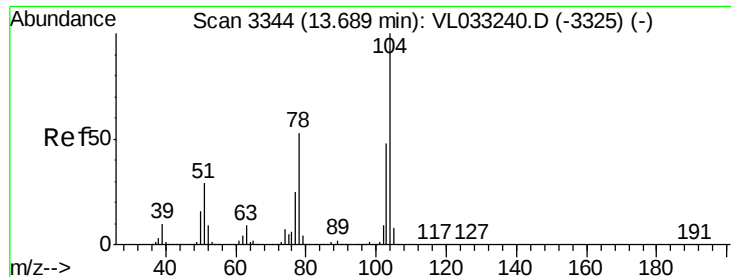
Tot Ion: 91 Resp: 1297278
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#



#60
o-Xylene
Concen: 1.854 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

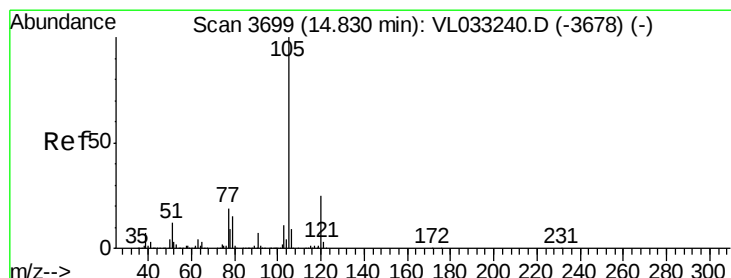
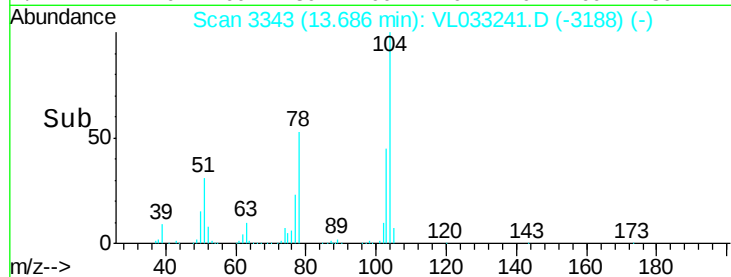
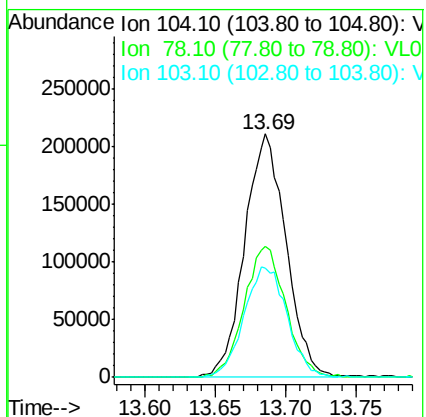
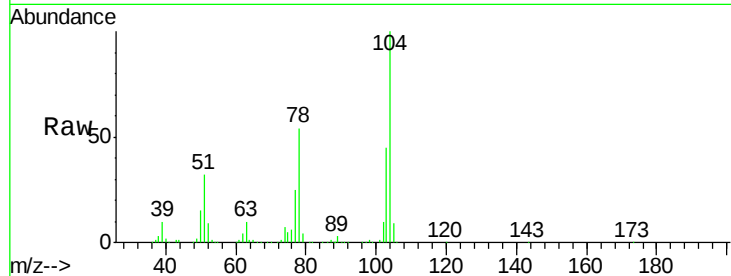
Tgt Ion: 91 Resp: 620608
Ion Ratio Lower Upper
91 100
106 41.2 21.4 64.3





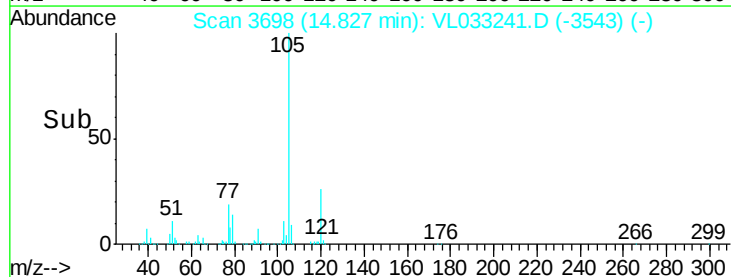
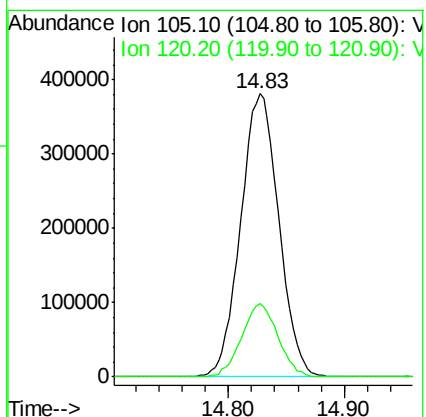
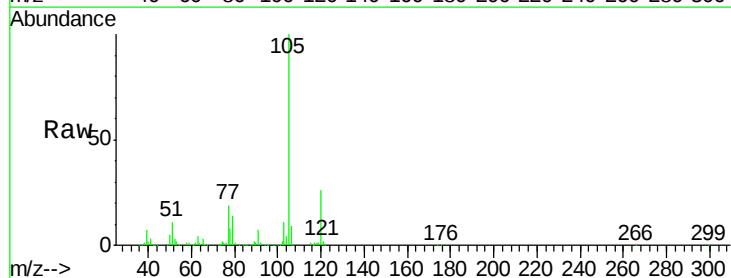
#61
Stvrene
Concen: 1.736 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

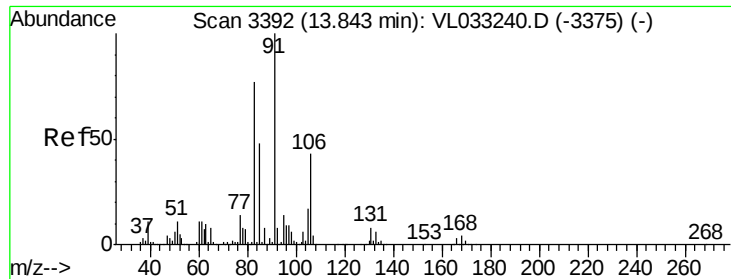
Tot Ion:104 Resp: 433563
Ion Ratio Lower Upper
104 100
78 54.8 43.7 65.5
103 47.5 38.2 57.2



#62
Isopropylbenzene
Concen: 1.858 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

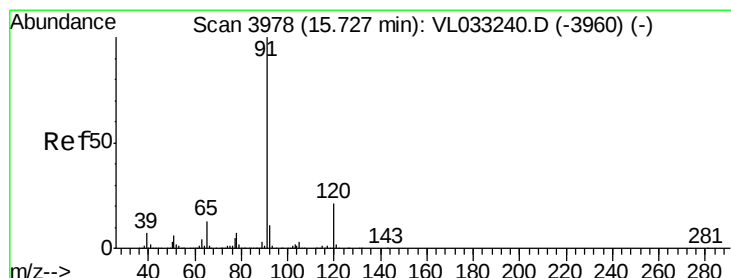
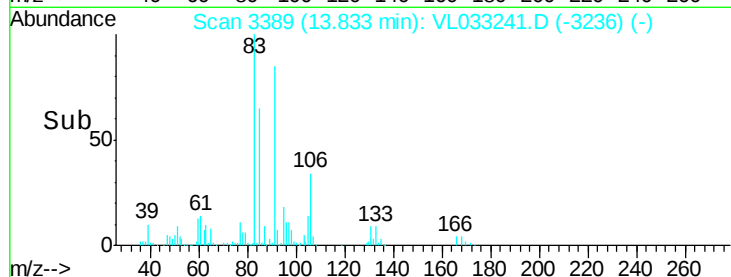
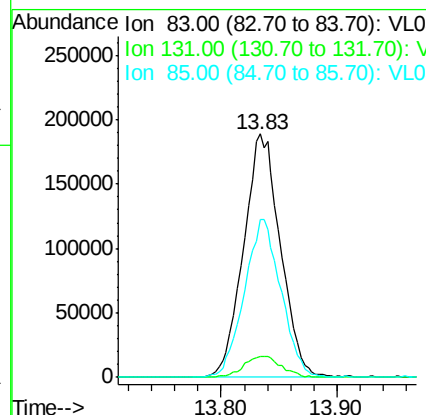
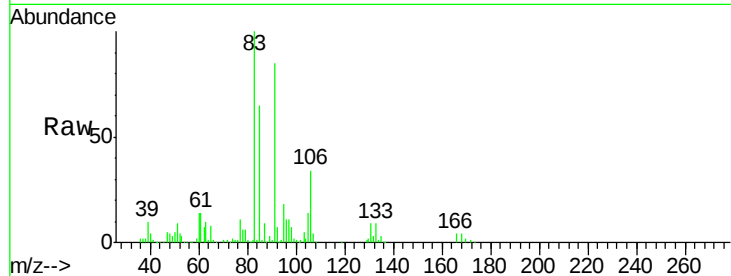
Tgt Ion:105 Resp: 870884
Ion Ratio Lower Upper
105 100
120 24.9 20.1 30.1





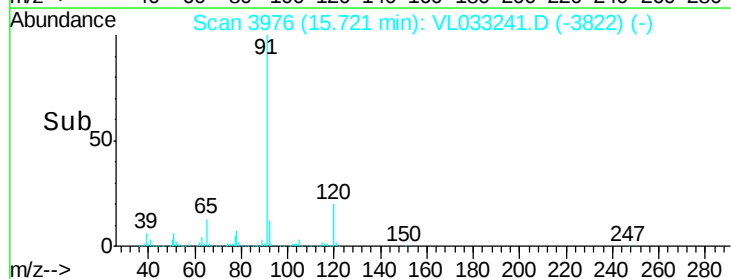
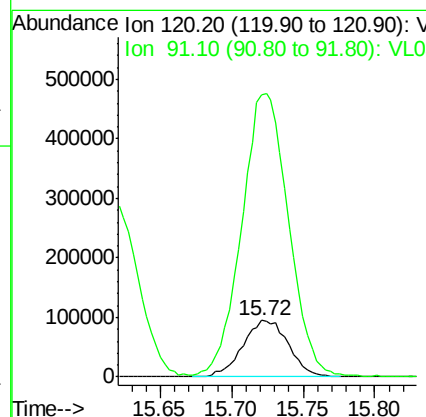
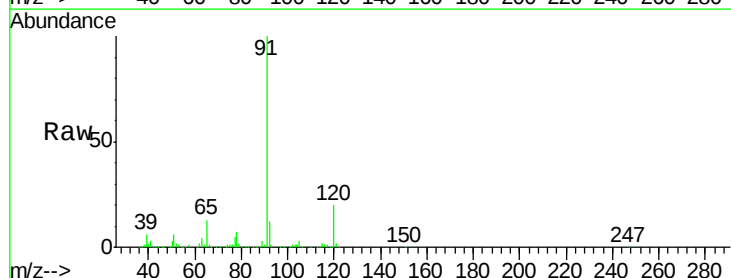
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.601 ppbv
 RT: 13.83 min Scan# 3389
 Delta R.T. -0.01 min
 Lab File: VL033241.D
 Acq: 6 Mar 2019 2:38

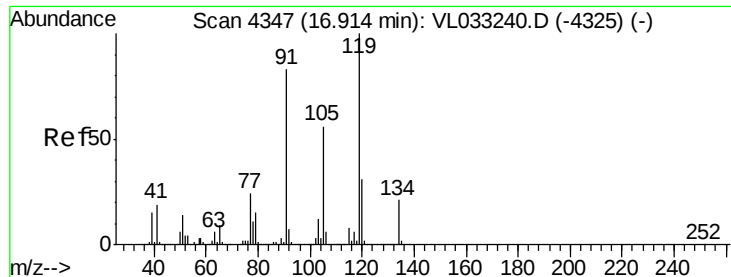
Tot Ion: 83 Resp: 417412
 Ion Ratio Lower Upper
 83 100
 131 8.9 4.7 14.0
 85 64.5 32.6 97.8



#64
 n-propylbenzene
 Concen: 1.787 ppbv m
 RT: 15.72 min Scan# 3976
 Delta R.T. -0.01 min
 Lab File: VL033241.D
 Acq: 6 Mar 2019 2:38

Tgt Ion:120 Resp: 211765
 Ion Ratio Lower Upper
 120 100
 91 514.0 392.2 588.4





#65

tert-Butylbenzene

Concen: 1.867 ppbv

RT: 16.91 min Scan# 4345

Delta R.T. -0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

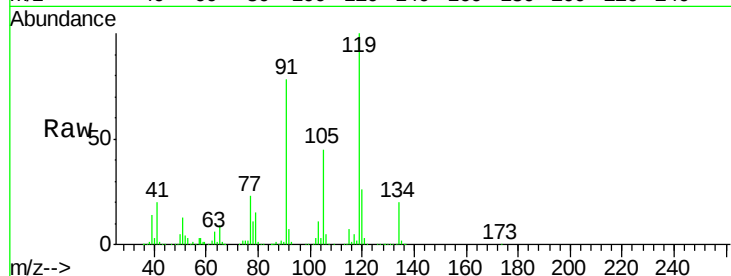
Tot Ion: 119 Resp: 760166

Ion Ratio Lower Upper

119 100

91 85.2 67.0 100.4

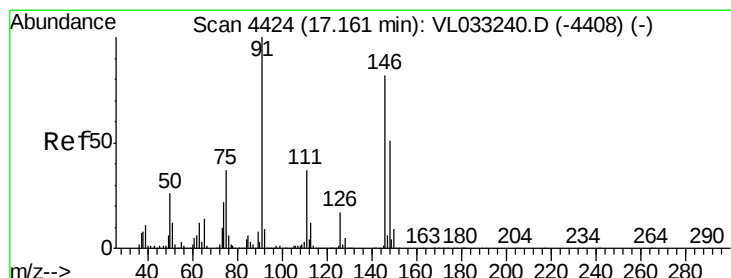
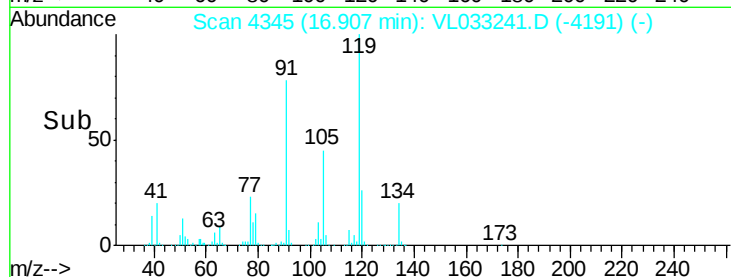
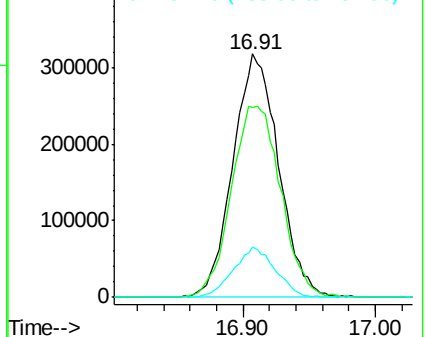
134 19.1 15.4 23.2



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: 1.896 ppbv

RT: 17.15 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

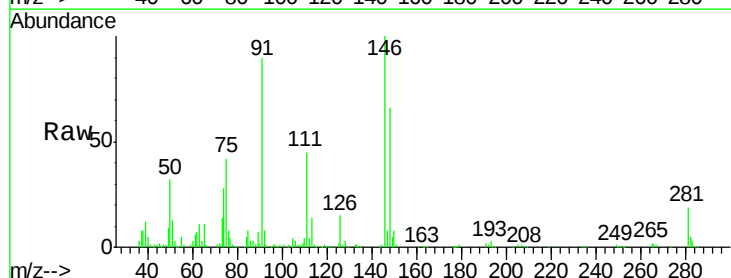
Tgt Ion: 91 Resp: 270539

Ion Ratio Lower Upper

91 100

126 16.5 13.4 20.0

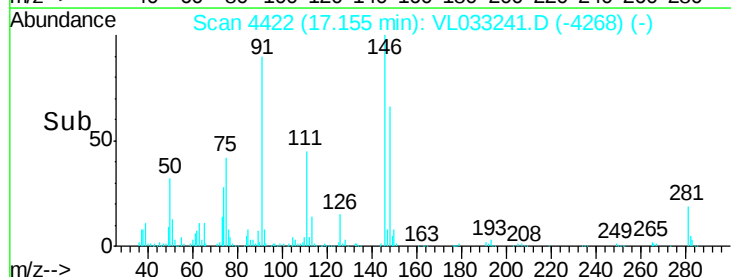
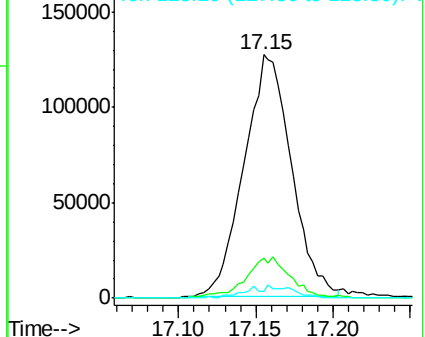
128 5.0 4.2 6.2

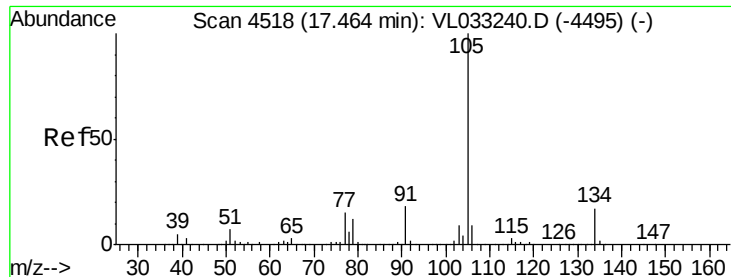


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 1.821 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. -0.01 min

Lab File: VL033241.D

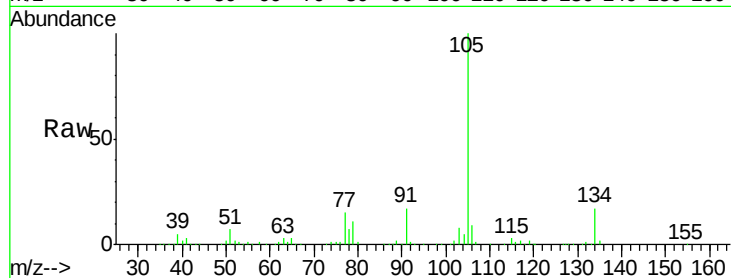
Acq: 6 Mar 2019 2:38

Tot Ion:105 Resp: 1074436

Ion Ratio Lower Upper

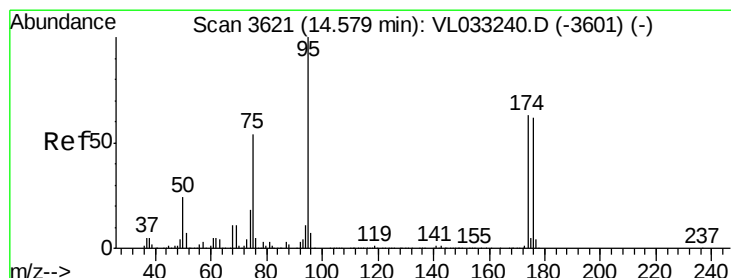
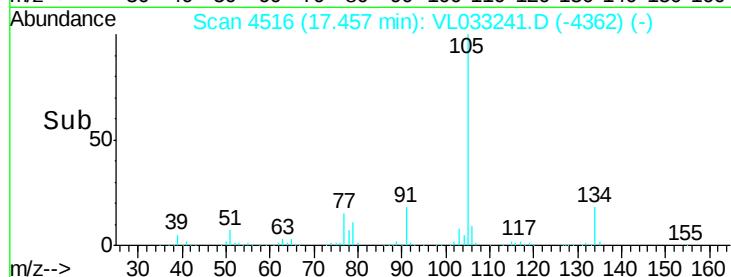
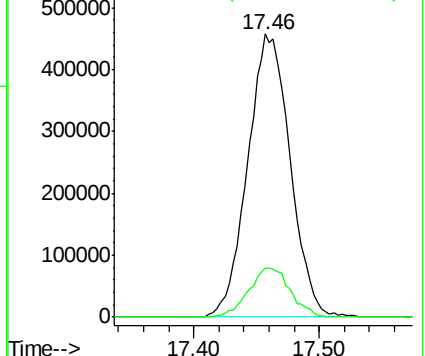
105 100

134 17.2 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: 9.672 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. 0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

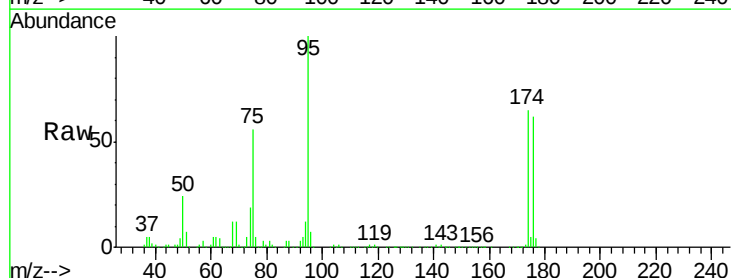
Tgt Ion: 95 Resp: 1896648

Ion Ratio Lower Upper

95 100

174 64.0 51.0 76.4

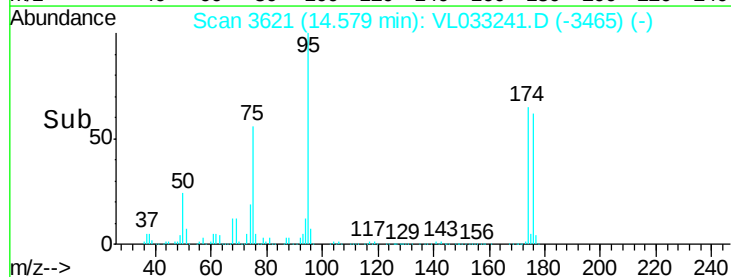
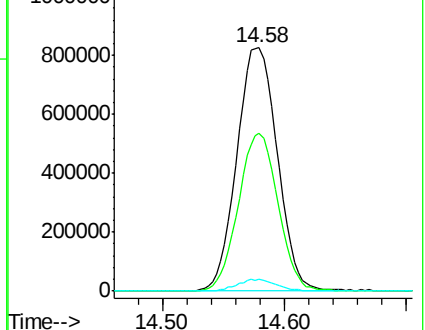
175 4.7 3.8 5.6

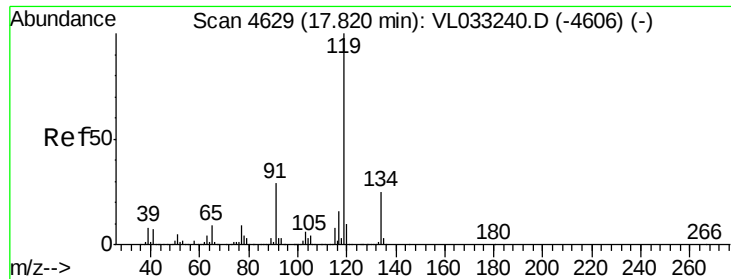


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

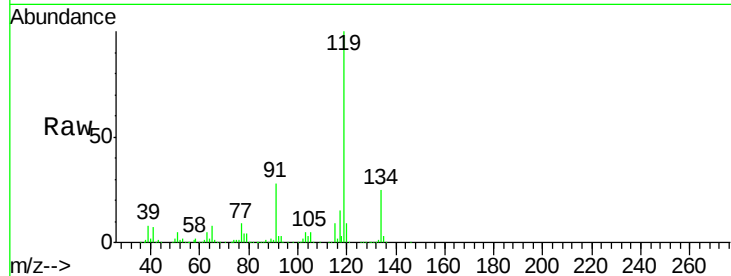
Ion 175.00 (174.70 to 175.70): V



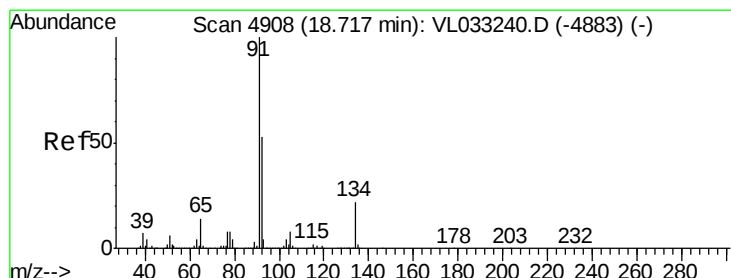
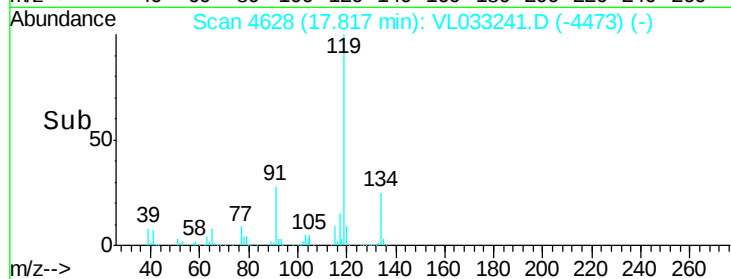
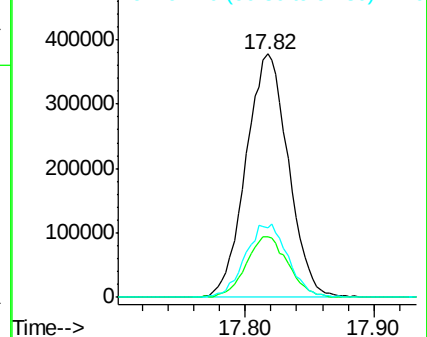


#69
 p-Isopropyltoluene
 Concen: 1.760 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL033241.D
 Acq: 6 Mar 2019 2:38

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	19.9	29.9
91	30.1	23.9	35.9

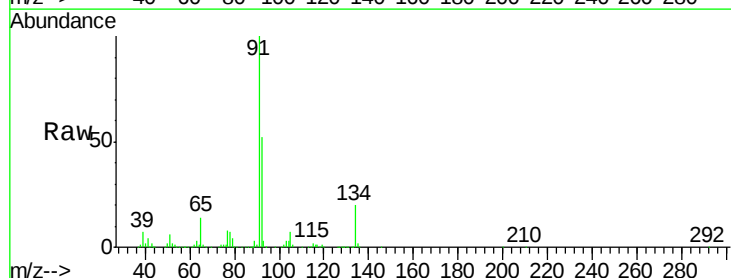


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0

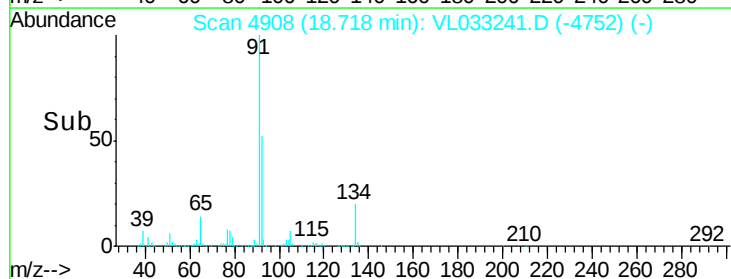
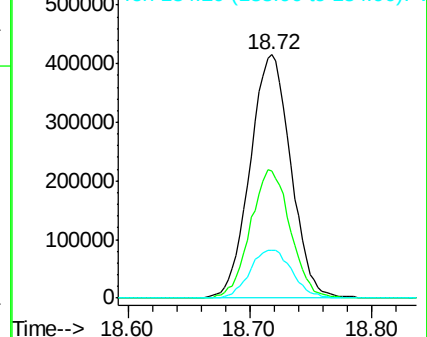


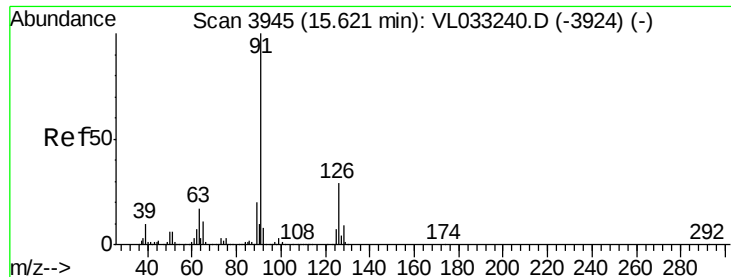
#70
 n-Butylbenzene
 Concen: 1.792 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. 0.00 min
 Lab File: VL033241.D
 Acq: 6 Mar 2019 2:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	42.4	63.6
134	20.9	17.3	25.9



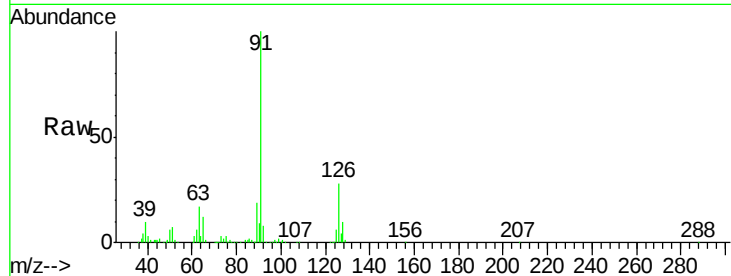
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V



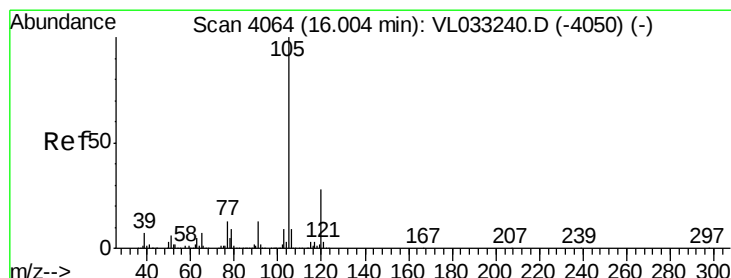
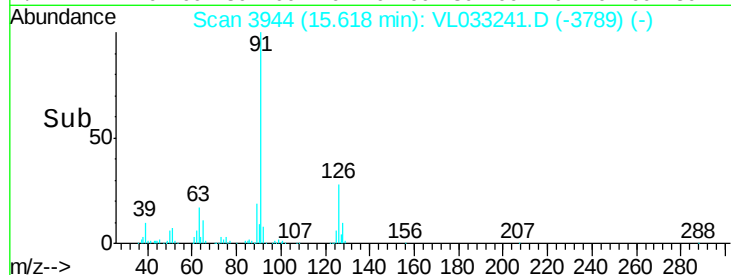
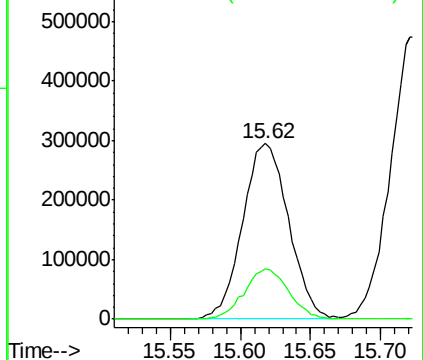


#71
2-Chlorotoluene
Concen: 1.831 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.00 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tot Ion: 91 Resp: 671651
Ion Ratio Lower Upper
91 100
126 27.9 11.6 46.2

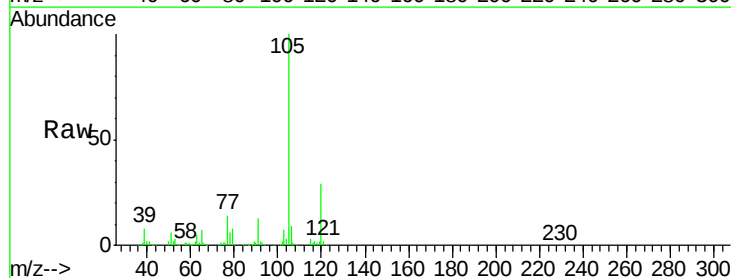


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V

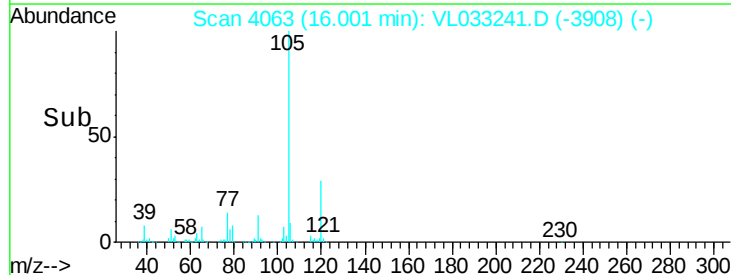
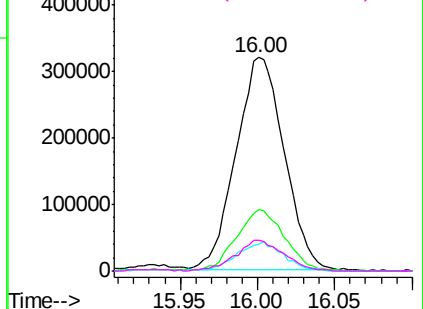


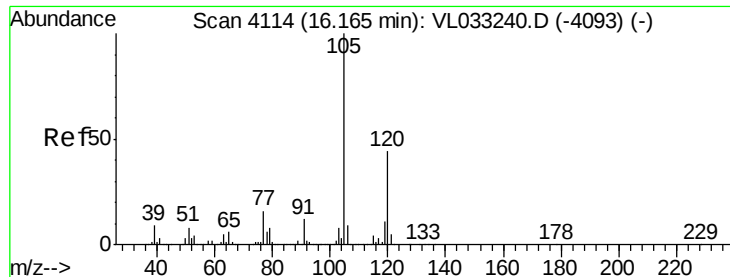
#72
4-Ethyltoluene
Concen: 1.814 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.00 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tgt Ion: 105 Resp: 692258
Ion Ratio Lower Upper
105 100
120 29.0 22.3 33.5
91 13.8 10.3 15.5
77 14.5 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

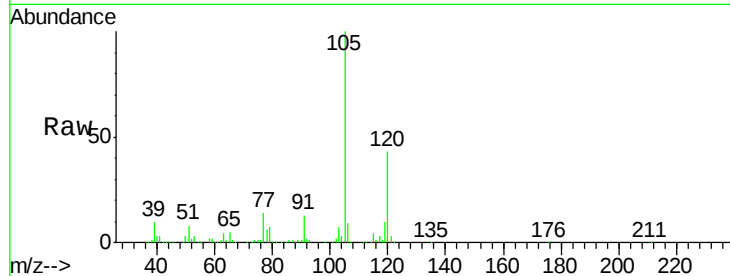




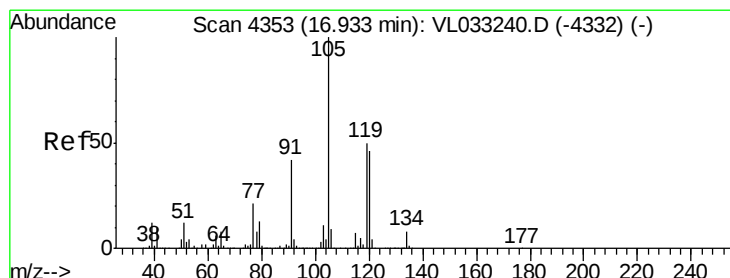
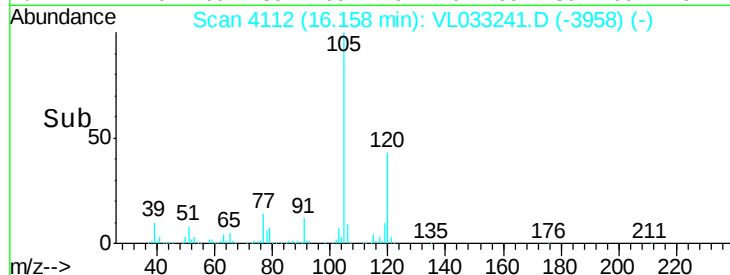
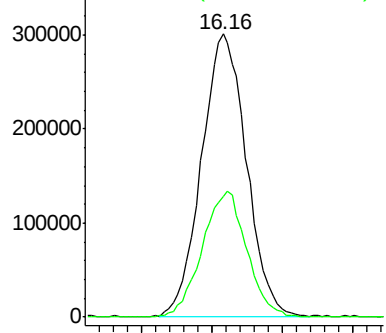
#73

1,3,5-Trimethylbenzene
Concen: 1.823 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.01 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tot Ion:105 Resp: 664358
Ion Ratio Lower Upper
105 100
120 42.7 35.0 52.6



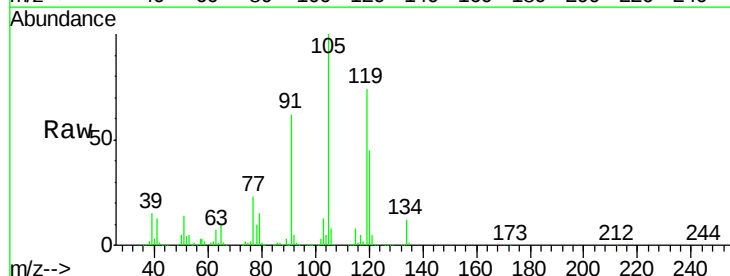
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V



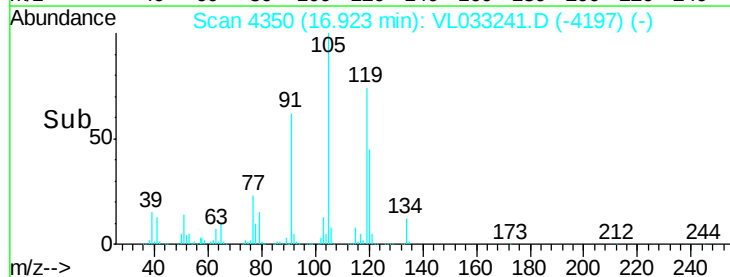
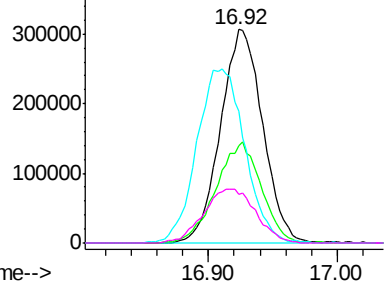
#74

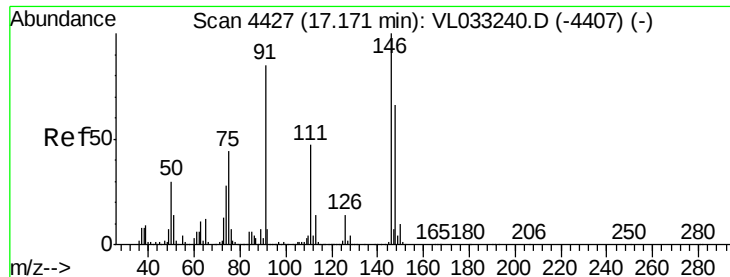
1,2,4-Trimethylbenzene
Concen: 1.842 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tgt Ion:105 Resp: 698588
Ion Ratio Lower Upper
105 100
120 45.2 36.5 54.7
91 61.2 34.4 51.6#
77 23.1 17.0 25.4



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





#75

1,3-Dichlorobenzene

Concen: 1.865 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.01 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

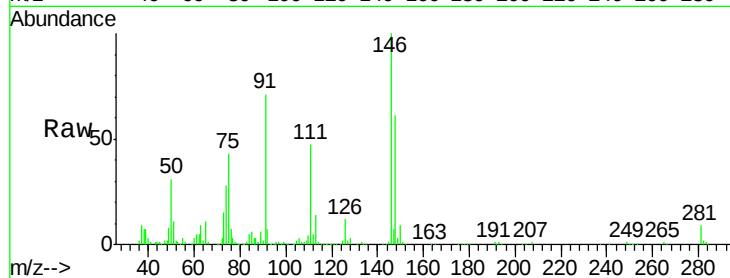
Tot Ion:146 Resp: 407043

Ion Ratio Lower Upper

146 100

111 46.5 23.4 70.0

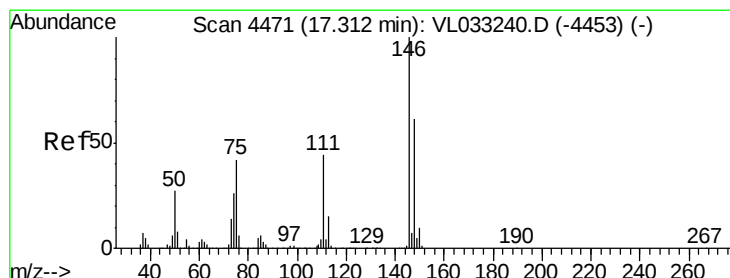
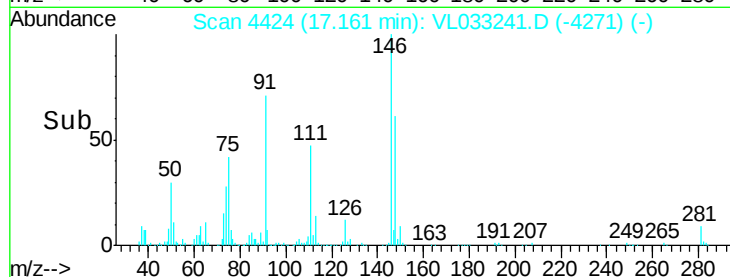
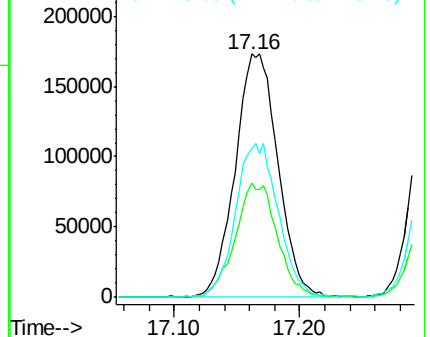
148 64.2 32.1 96.3



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: 1.877 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. -0.00 min

Lab File: VL033241.D

Acq: 6 Mar 2019 2:38

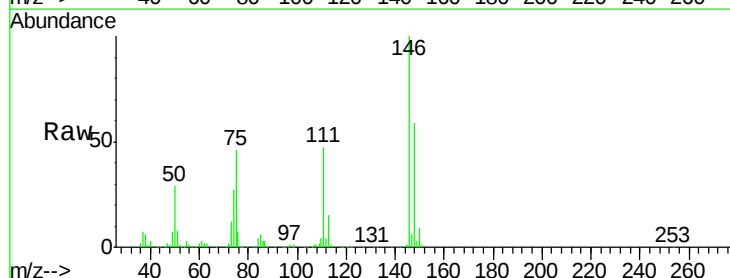
Tgt Ion:146 Resp: 405061

Ion Ratio Lower Upper

146 100

111 44.3 22.4 67.3

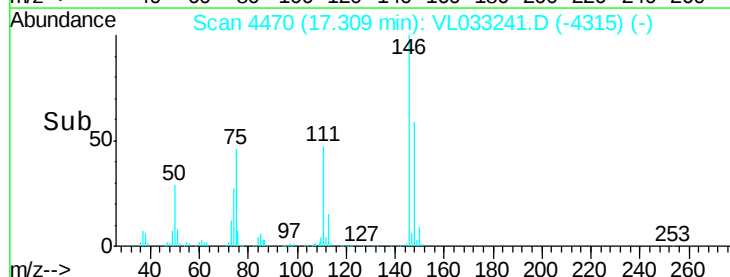
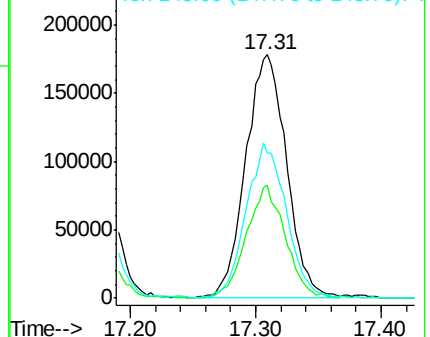
148 62.9 32.1 96.3

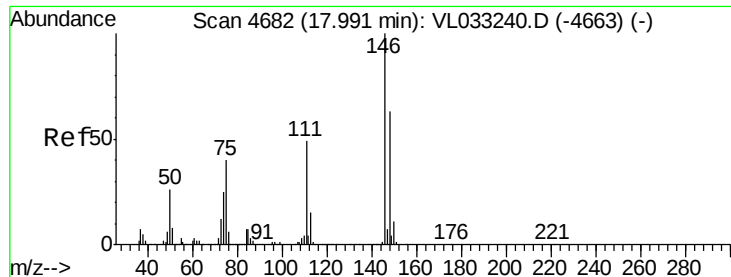


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

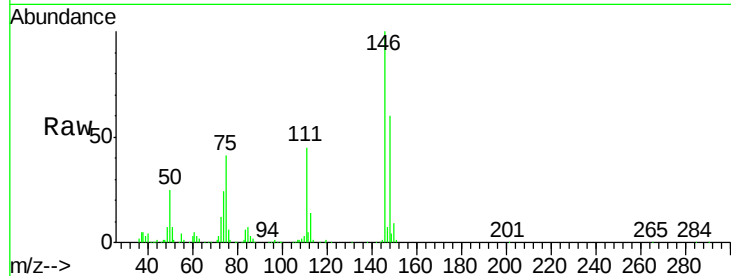
Ion 148.00 (147.70 to 148.70): V



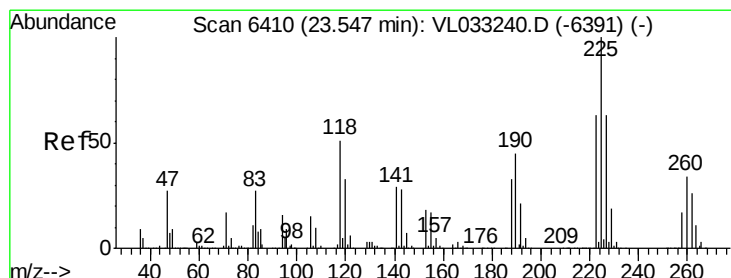
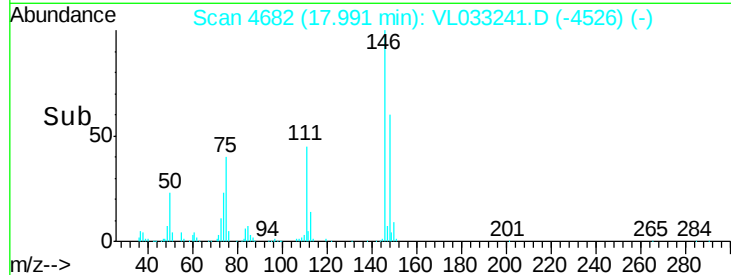
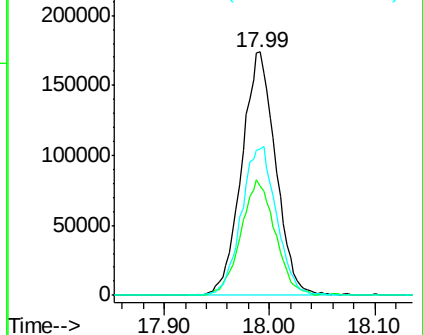


#77
 1,2-Dichlorobenzene
 Concen: 1.814 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. 0.00 min
 Lab File: VL033241.D
 Acq: 6 Mar 2019 2:38

Tot Ion:146 Resp: 390806
 Ion Ratio Lower Upper
 146 100
 111 47.4 23.6 71.0
 148 63.0 32.3 96.9

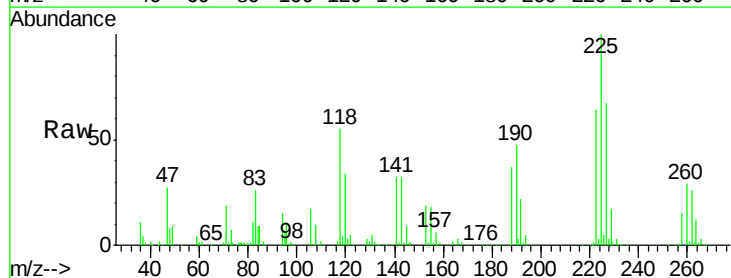


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

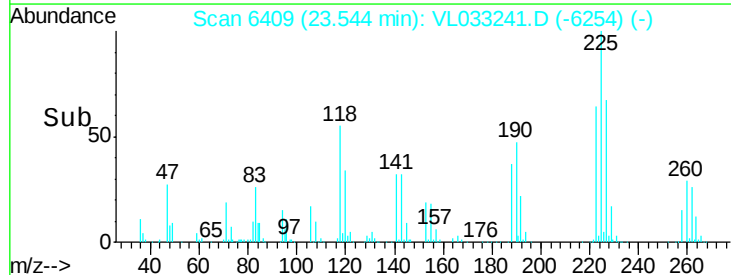
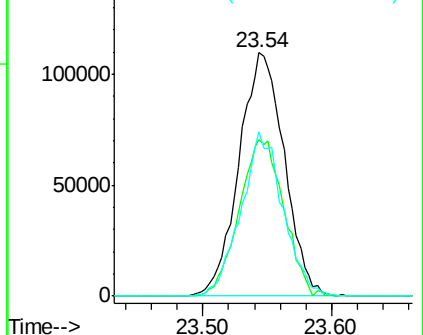


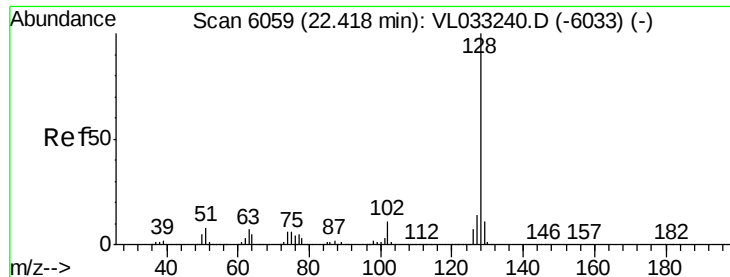
#78
 Hexachloro-1,3-Butadiene
 Concen: 2.343 ppbv
 RT: 23.54 min Scan# 6409
 Delta R.T. -0.00 min
 Lab File: VL033241.D
 Acq: 6 Mar 2019 2:38

Tgt Ion:225 Resp: 267535
 Ion Ratio Lower Upper
 225 100
 223 63.7 50.9 76.3
 227 62.9 50.7 76.1



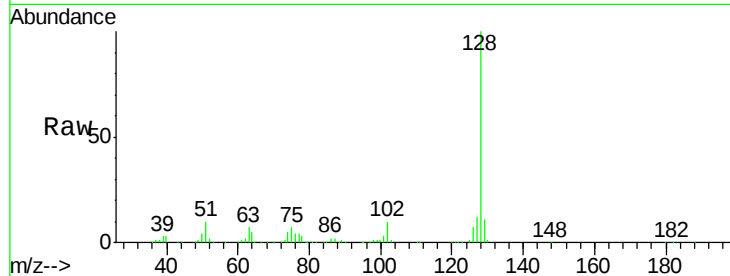
Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V



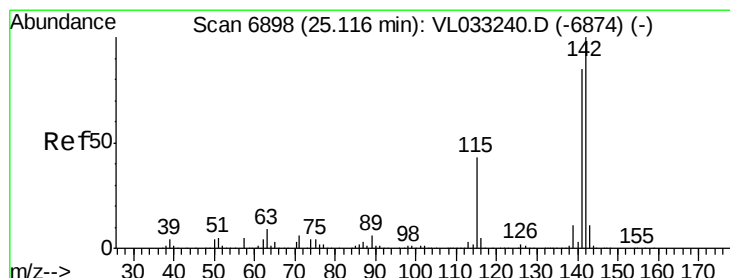
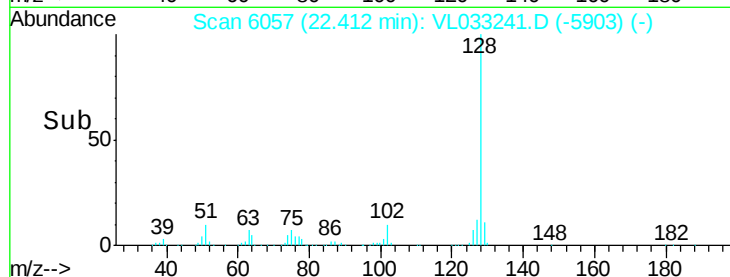
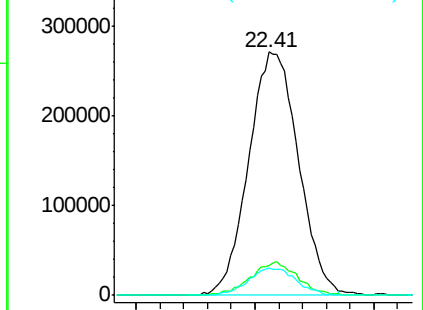


#79
Naphthalene
Concen: 1.819 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. -0.01 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tot Ion:128 Resp: 783396
Ion Ratio Lower Upper
128 100
127 12.5 10.8 16.2
129 11.2 8.6 13.0

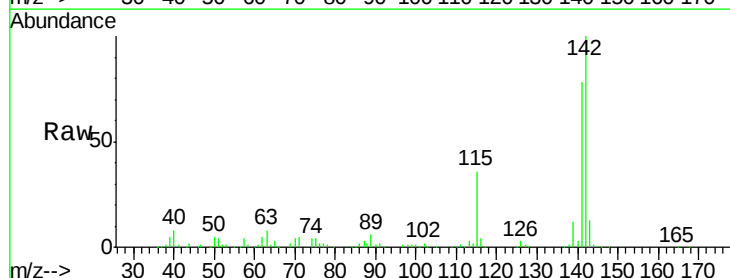


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

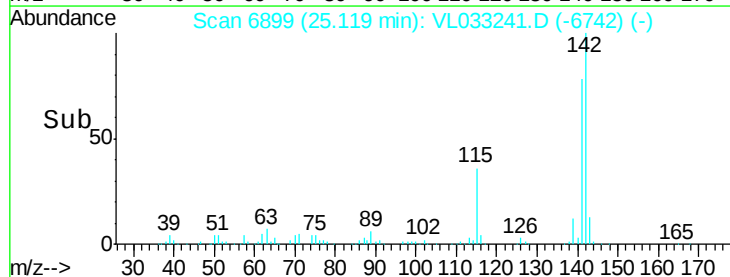
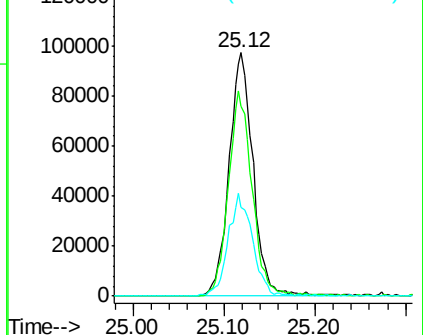


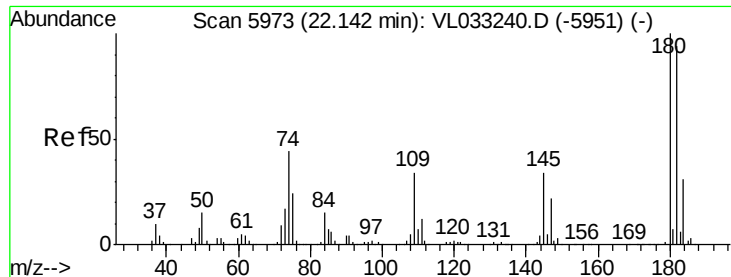
#80
Naphthalene, 2-methyl-
Concen: 0.830 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033241.D
Acq: 6 Mar 2019 2:38

Tgt Ion:142 Resp: 178269
Ion Ratio Lower Upper
142 100
141 84.5 68.0 102.0
115 42.7 34.1 51.1



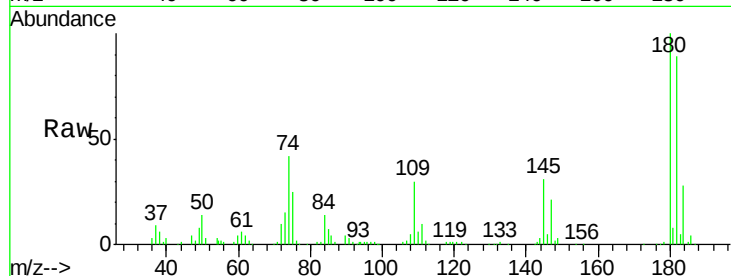
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 1.865 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. 0.00 min
 Lab File: VL033241.D
 Acq: 6 Mar 2019 2:38

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	94.5	76.6	114.8	
184	28.9	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

