

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021419\
 Data File : VL033202.D
 Acq On : 14 Feb 2019 17:01
 Operator : SY/AP
 Sample : VL0214ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 15 04:17:03 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 06 09:13:11 2019

QLast Update : Wed Feb 06 09:13:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	774624	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1819845	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2539143	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1537123	7.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1519438	10.260	ppbv	100
3) Chlorodifluoromethane	3.01	51	924721	9.914	ppbv	98
4) Chloromethane	3.17	50	494943	10.050	ppbv	99
5) Vinyl Chloride	3.29	62	479957	9.326	ppbv	98
6) Bromomethane	3.52	94	286745	10.145	ppbv	99
7) Chloroethane	3.60	64	171690	10.212	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	1143884	9.876	ppbv	98
9) Propene	3.04	41	422673	9.381	ppbv	99
10) Heptane	8.25	43	1118821	8.208	ppbv	100
11) Trichlorofluoromethane	4.00	101	1254030	10.459	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	823331	9.908	ppbv	99
13) Ethanol	3.65	45	89905	5.984	ppbv	99
14) Bromoethene	3.79	108	361093	10.078	ppbv	100
15) Acetone	3.90	43	844299	9.674	ppbv	99
16) 1,3-Butadiene	3.36	39	404430	9.763	ppbv	97
17) tert-Butyl alcohol	4.36	59	171841	10.328	ppbv	98
18) 1,1-Dichloroethene	4.35	96	377083	10.138	ppbv	95
19) Isopropyl Alcohol	4.02	45	598267	10.108	ppbv	100
20) Methylene Chloride	4.41	84	325354	9.372	ppbv	95
21) Allyl Chloride	4.48	41	585547	10.161	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	377957	10.463	ppbv	99
23) Vinyl Acetate	5.16	43	1528355	10.105	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1034998	9.674	ppbv	100
25) Ethyl Acetate	5.77	43	1802364	9.185	ppbv	100
26) Hexane	5.78	57	824949	8.955	ppbv	99
27) Carbon Disulfide	4.62	76	937947	11.115	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1199227	9.527	ppbv	99
29) Chloroform	5.85	83	1333516	9.446	ppbv	98
30) Cyclohexane	7.25	84	696540	8.150	ppbv	97
31) cis-1,2-Dichloroethene	5.64	61	870452	9.441	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	1329705	8.555	ppbv	99
34) 2-Butanone	5.33	43	1237829	10.723	ppbv	99
35) Carbon Tetrachloride	7.14	117	1363692	9.812	ppbv	95
36) Benzene	7.01	78	1743397	9.452	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1056980	10.341	ppbv	99
38) Trichloroethene	7.97	130	654202	8.283	ppbv	95
39) 1,2-Dichloropropane	7.74	63	668527	9.178	ppbv	95
40) 1,4-Dioxane	7.96	88	240599	9.089	ppbv	99
41) Tetrahydrofuran	6.15	42	719066	10.064	ppbv	99
42) Bromodichloromethane	7.92	83	1526502	10.306	ppbv	100
43) Methyl Methacrylate	8.14	69	715278	9.660	ppbv	98

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Quant Time: Feb 15 04:17:03 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019

QLast Update : Wed Feb 06 09:13:11 2019

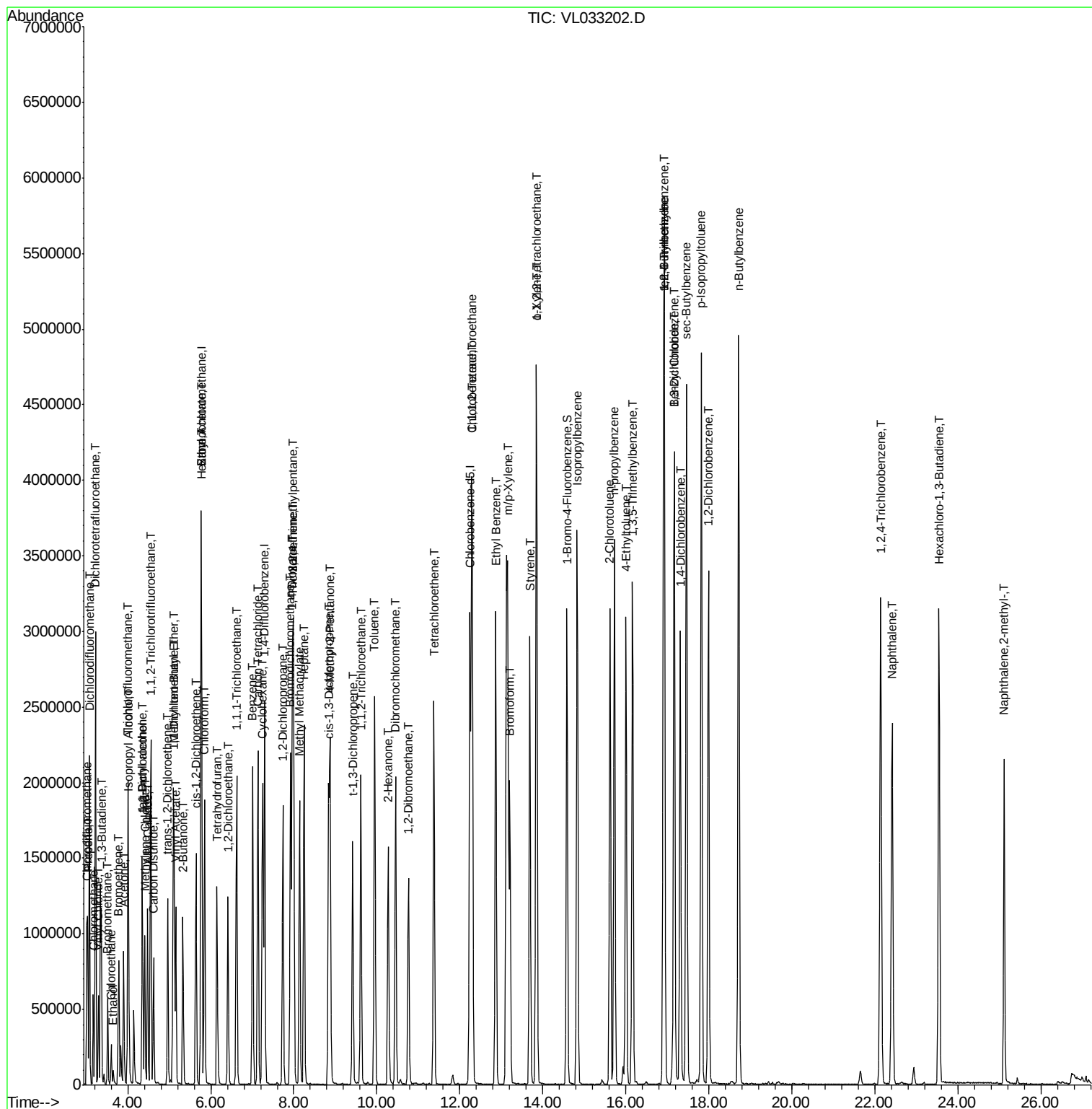
Response via : Initial Calibration

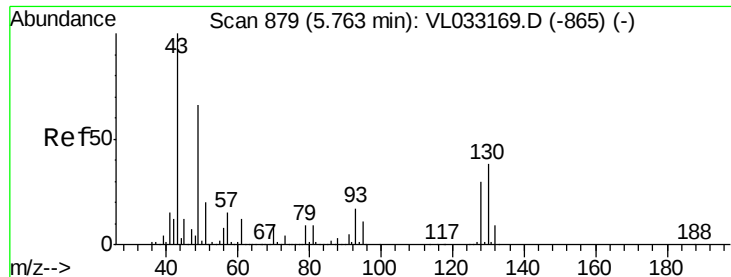
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2956954	9.461	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	966708	11.752	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1108147	10.576	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	724507	9.584	ppbv	96
48) Dibromochloromethane	10.45	129	1262518	10.609	ppbv	100
49) Bromoform	13.20	173	1153084	11.263	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1843346	9.958	ppbv	98
51) 2-Hexanone	10.27	43	1475130	10.107	ppbv #	98
52) Tetrachloroethene	11.38	164	637745	9.000	ppbv	98
53) Toluene	9.95	91	2099728	9.614	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1149831	9.700	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	919762	7.892	ppbv #	58
57) Chlorobenzene	12.30	112	1592189	7.182	ppbv	95
58) Ethyl Benzene	12.87	91	2984388	7.262	ppbv	98
59) m/p-Xylene	13.15	91	2623806	7.651	ppbv #	100
60) o-Xylene	13.85	91	2394817	7.181	ppbv	98
61) Styrene	13.69	104	1816330	7.220	ppbv	99
62) Isopropylbenzene	14.83	105	3375128	7.175	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1659621	6.334	ppbv	99
64) n-propylbenzene	15.73	120	844809	7.066	ppbv	96
65) tert-Butylbenzene	16.91	119	2914281	7.114	ppbv	98
66) Benzyl Chloride	17.16	91	1443727	9.927	ppbv	98
67) sec-Butylbenzene	17.46	105	4761113	8.006	ppbv	99
69) p-Isopropyltoluene	17.82	119	4018046	8.112	ppbv	99
70) n-Butylbenzene	18.72	91	4324170	8.091	ppbv	99
71) 2-Chlorotoluene	15.62	91	2598645	7.031	ppbv	99
72) 4-Ethyltoluene	16.00	105	2751327	7.157	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2664210	7.247	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	2664699	6.984	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1538123	6.991	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1559856	7.158	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1784898	8.210	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	860126	7.948	ppbv	99
79) Naphthalene	22.42	128	3142221	7.665	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	1176113	5.666	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1554236	7.462	ppbv	100

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

```
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Operator  : SY/AP
Sample    : VL0214ABS01
Misc      : 400ml/MSV0A_L
ALS Vial  : 1    Sample Multiplier: 1
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Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

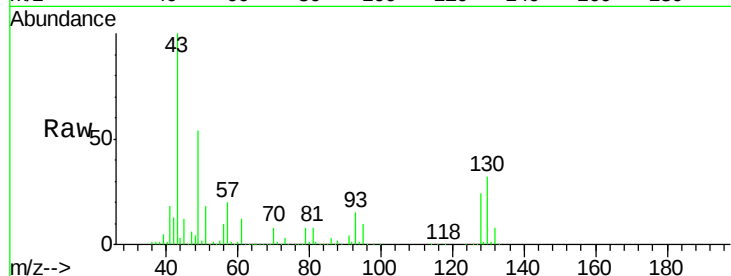
Tgt Ion: 49 Resp: 774624

Ion	Ratio	Lower	Upper
49	100		
128	46.0	23.6	71.0
130	58.9	30.3	91.0

49 100

128 46.0 23.6 71.0

130 58.9 30.3 91.0



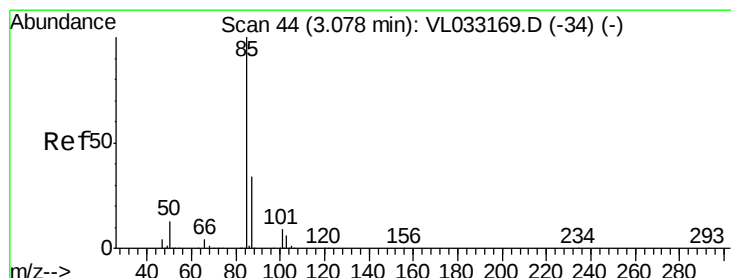
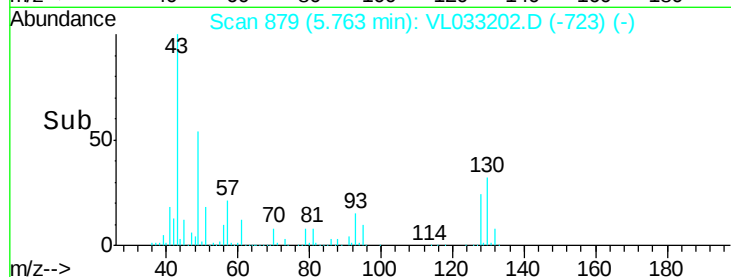
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.76

Time-->



#2

Dichlorodifluoromethane

Concen: 10.260 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033202.D

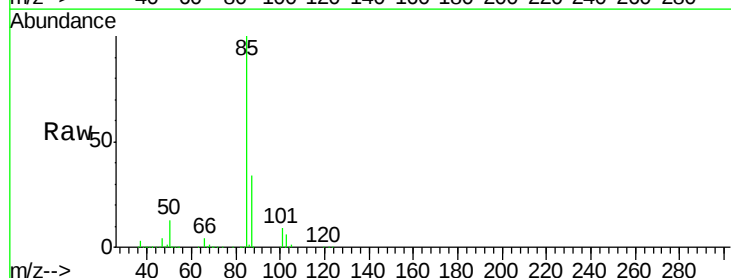
Acq: 14 Feb 2019 17:01

Tgt Ion: 85 Resp: 1519438

Ion	Ratio	Lower	Upper
85	100		
87	34.3	27.4	41.2

85 100

87 34.3 27.4 41.2

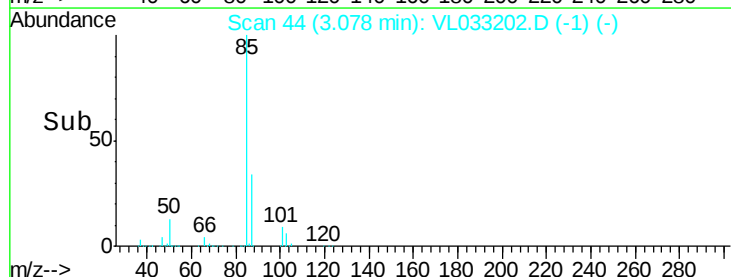


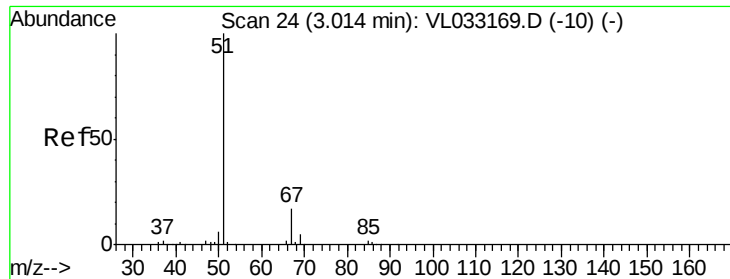
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.08

Time-->





#3

Chlorodifluoromethane

Concen: 9.914 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033202.D

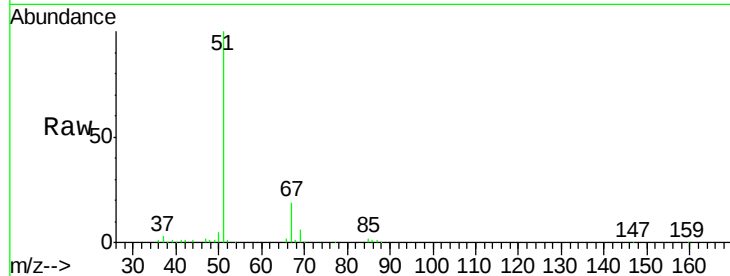
Acq: 14 Feb 2019 17:01

Tgt Ion: 51 Resp: 924721

Ion Ratio Lower Upper

51 100

67 18.4 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.01

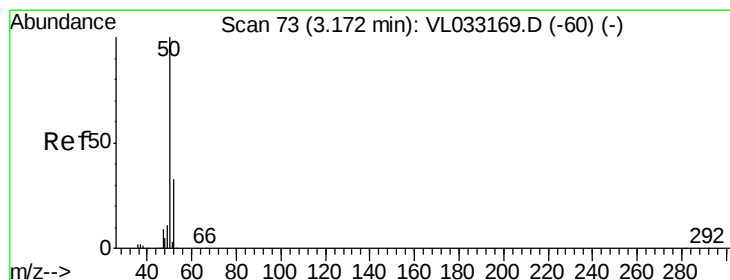
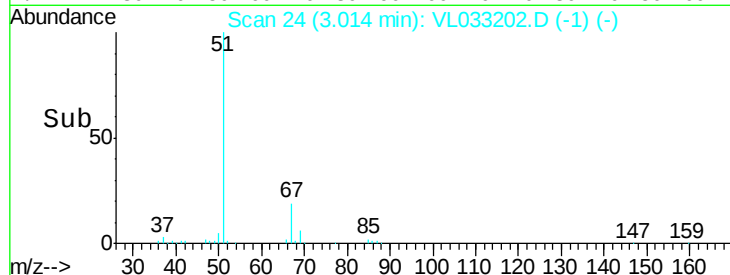
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 10.050 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033202.D

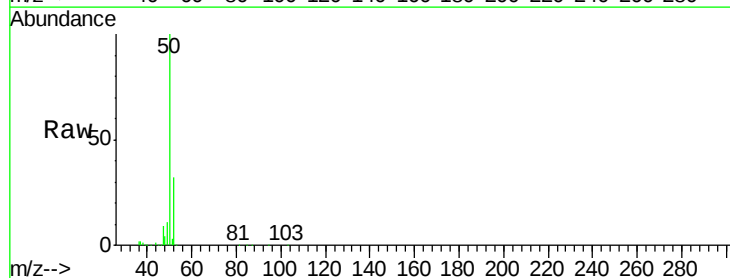
Acq: 14 Feb 2019 17:01

Tgt Ion: 50 Resp: 494943

Ion Ratio Lower Upper

50 100

52 32.4 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.17

400000

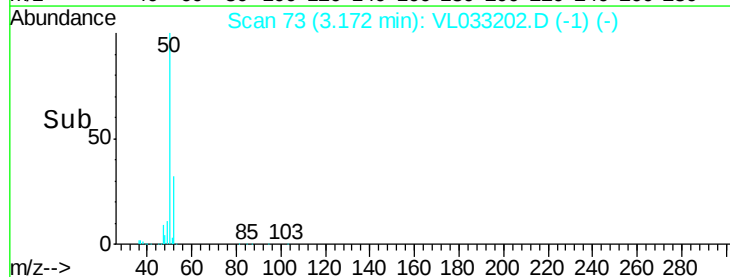
300000

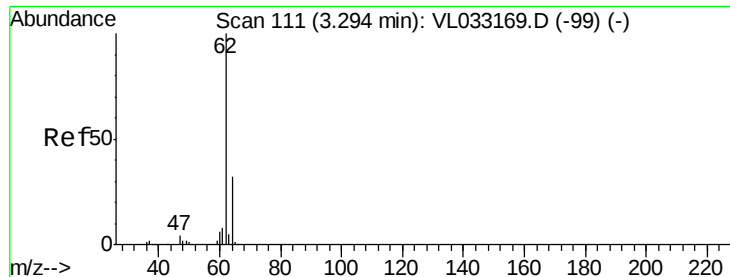
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.326 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033202.D

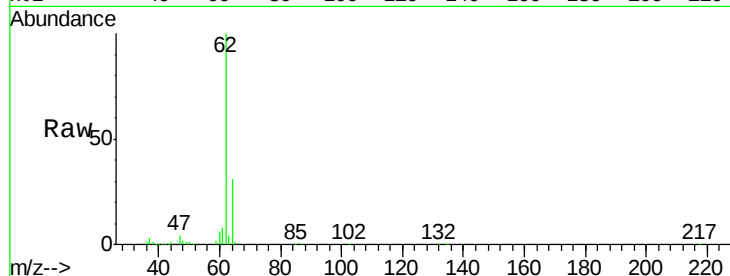
Acq: 14 Feb 2019 17:01

Tgt Ion: 62 Resp: 479957

Ion Ratio Lower Upper

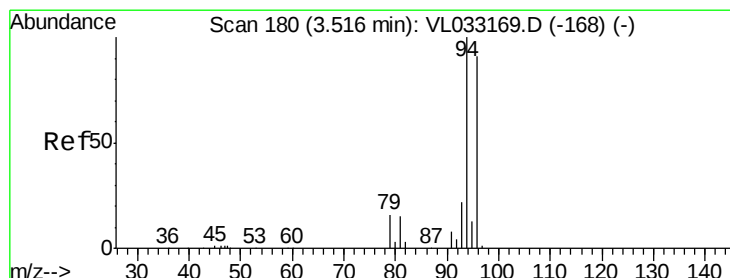
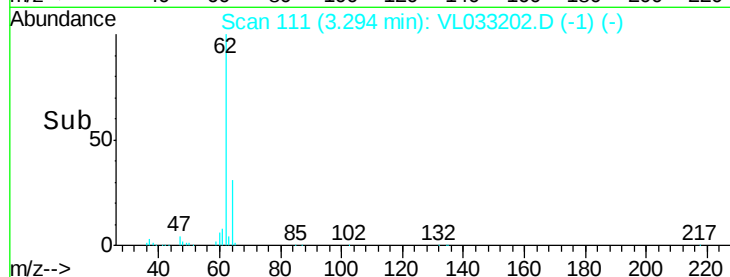
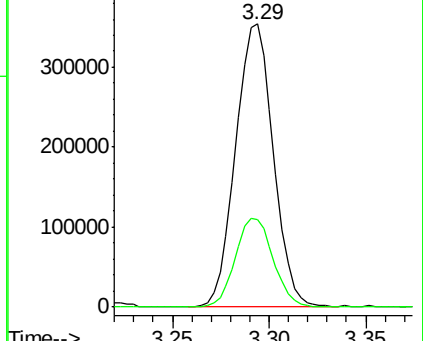
62 100

64 31.0 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.145 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033202.D

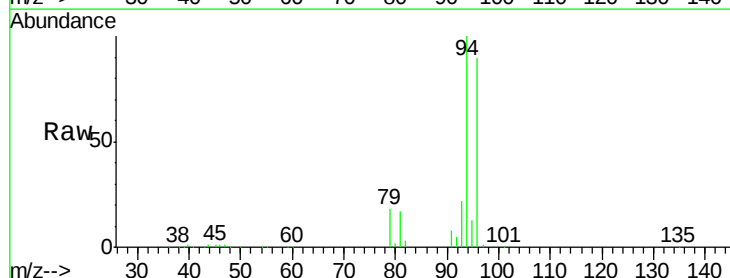
Acq: 14 Feb 2019 17:01

Tgt Ion: 94 Resp: 286745

Ion Ratio Lower Upper

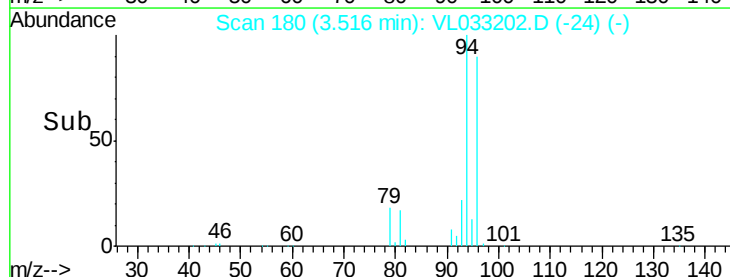
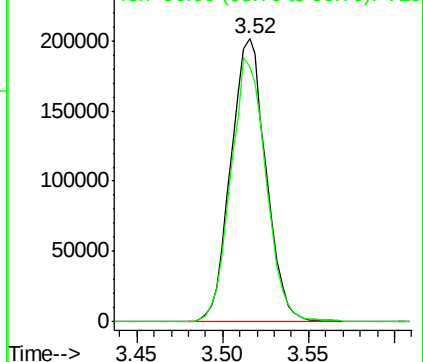
94 100

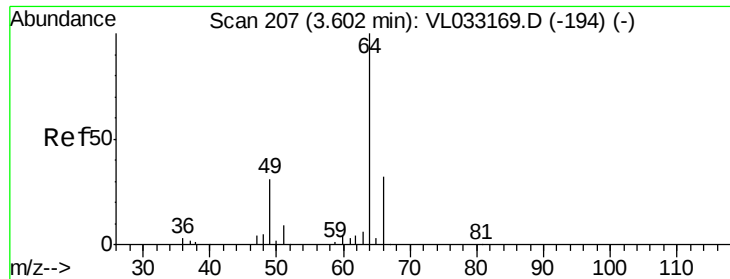
96 90.1 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.212 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033202.D

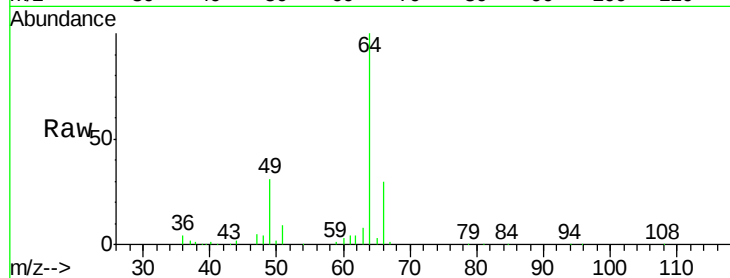
Acq: 14 Feb 2019 17:01

Tgt Ion: 64 Resp: 171690

Ion Ratio Lower Upper

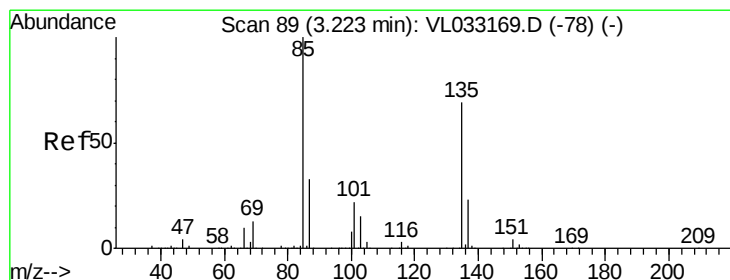
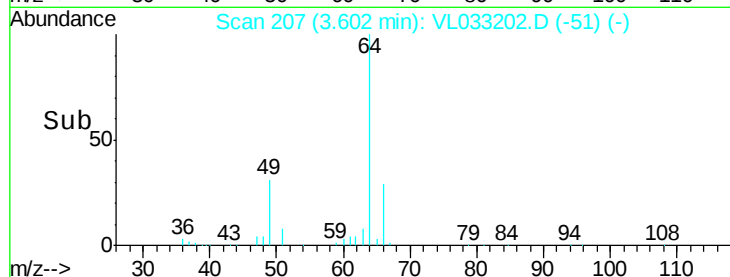
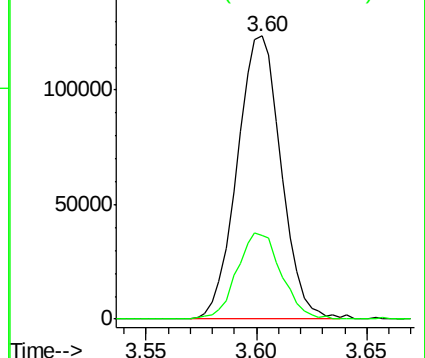
64 100

66 29.7 26.0 39.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.876 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033202.D

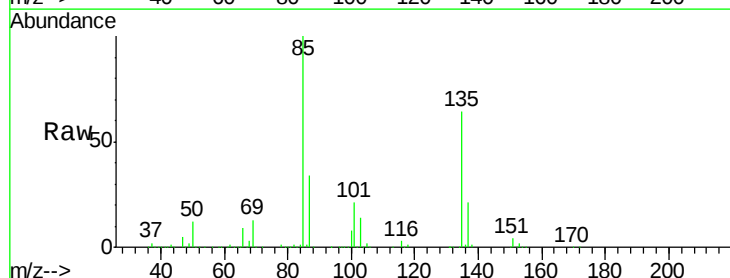
Acq: 14 Feb 2019 17:01

Tgt Ion: 85 Resp: 1143884

Ion Ratio Lower Upper

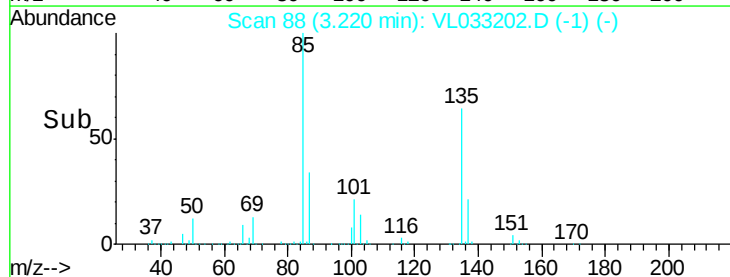
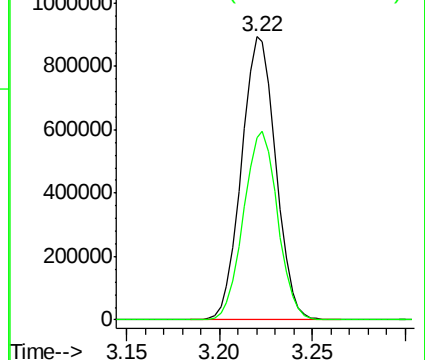
85 100

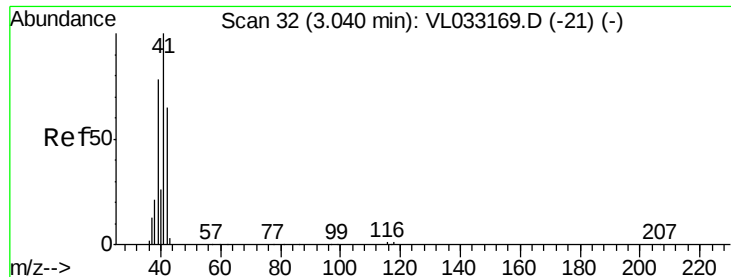
135 66.4 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.381 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033202.D

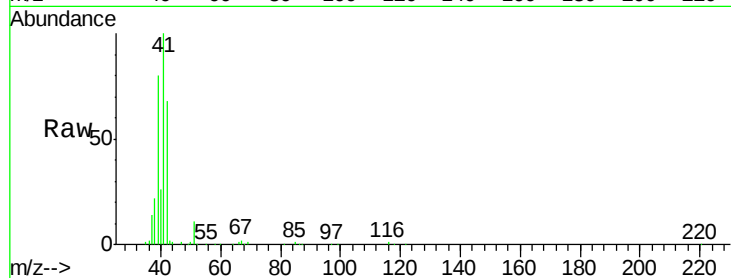
Acq: 14 Feb 2019 17:01

Tgt Ion: 41 Resp: 422673

Ion Ratio Lower Upper

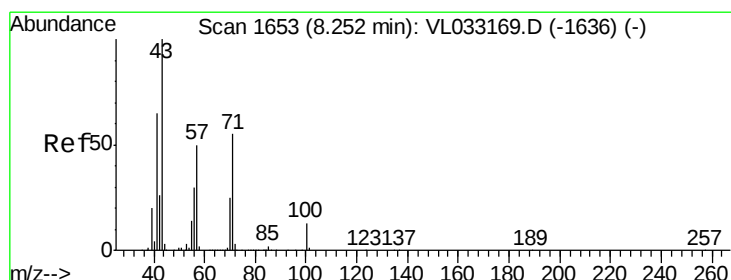
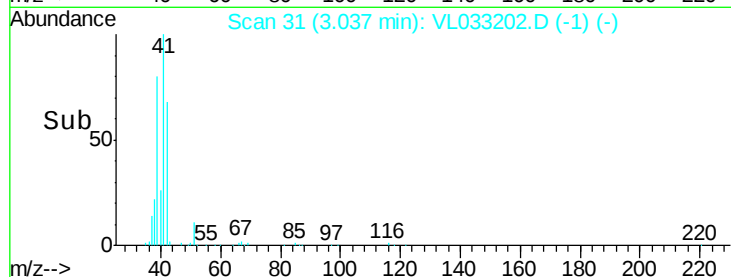
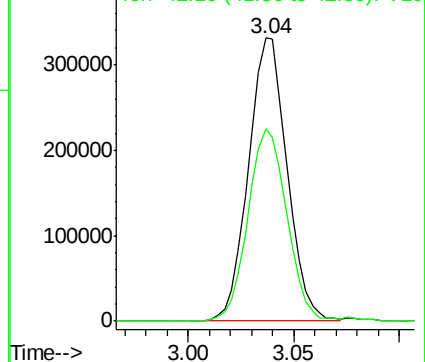
41 100

42 69.3 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.208 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033202.D

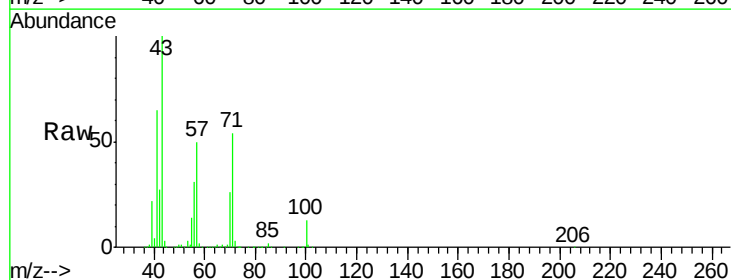
Acq: 14 Feb 2019 17:01

Tgt Ion: 43 Resp: 1118821

Ion Ratio Lower Upper

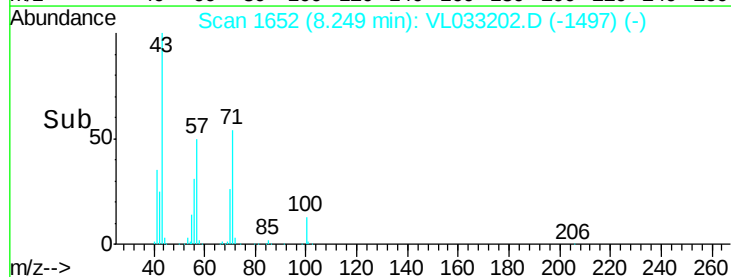
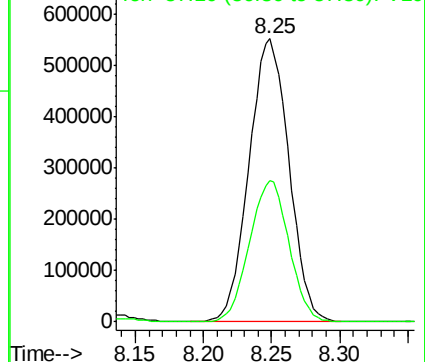
43 100

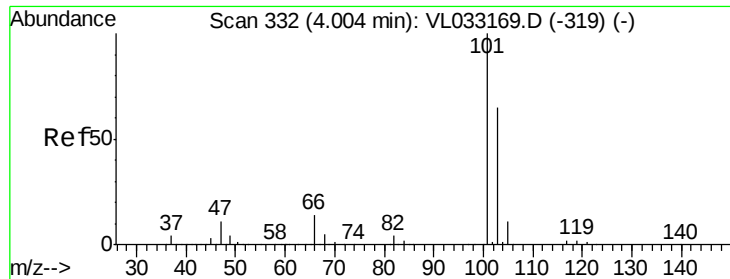
57 49.4 39.5 59.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

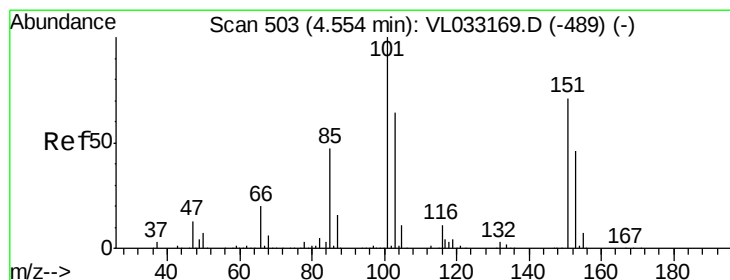
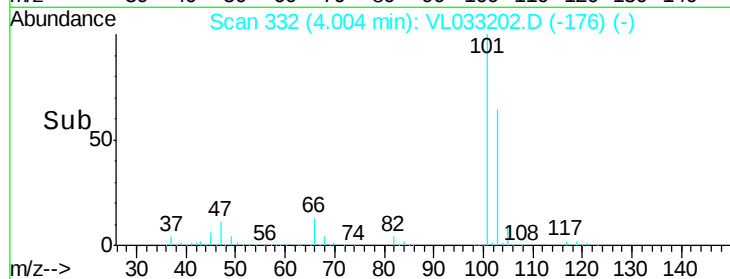
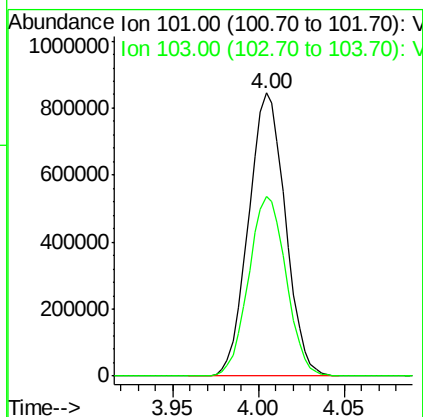
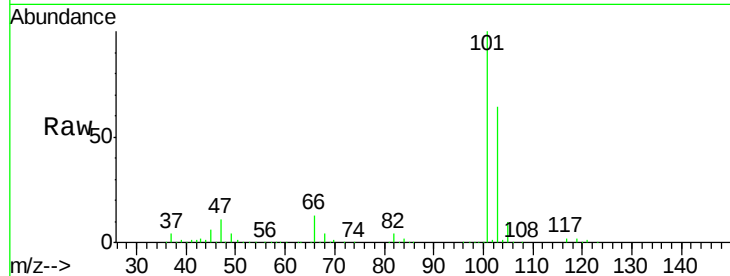
Ion 57.10 (56.80 to 57.80): VL0





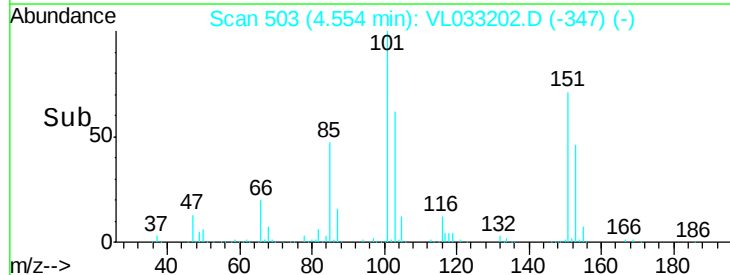
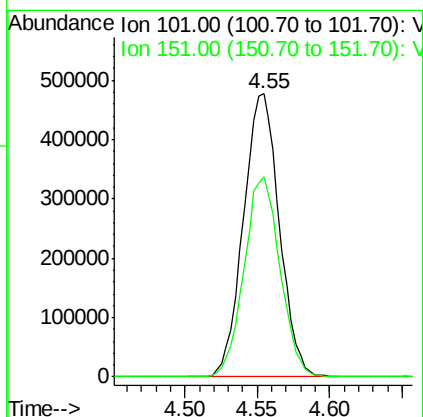
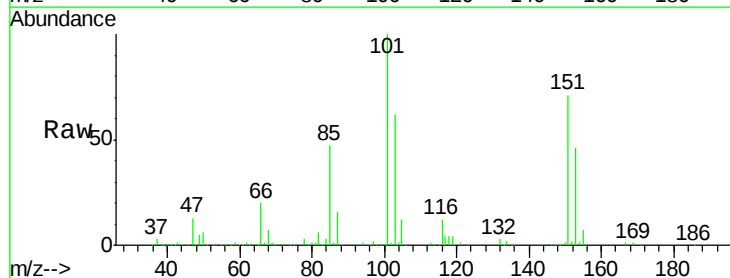
#11
 Trichlorofluoromethane
 Concen: 10.459 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

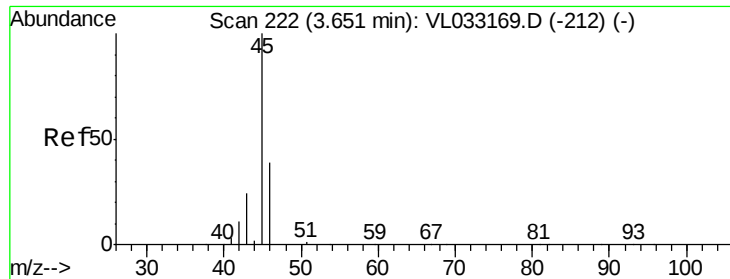
Tgt Ion:101 Resp: 1254030
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.908 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tgt Ion:101 Resp: 823331
 Ion Ratio Lower Upper
 101 100
 151 70.8 57.4 86.0





#13

Ethanol

Concen: 5.984 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL033202.D

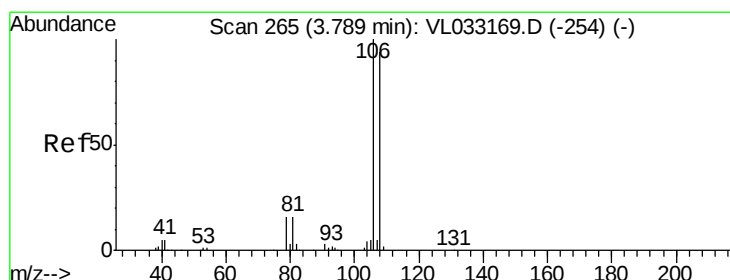
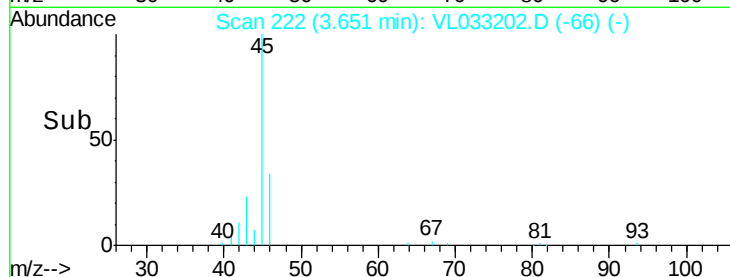
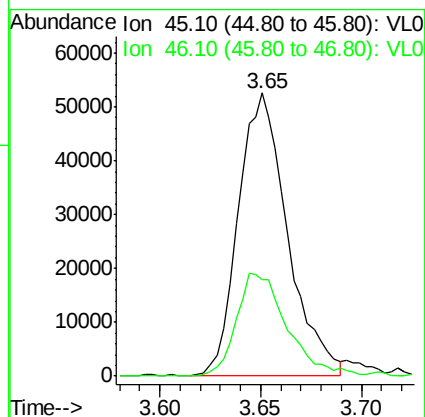
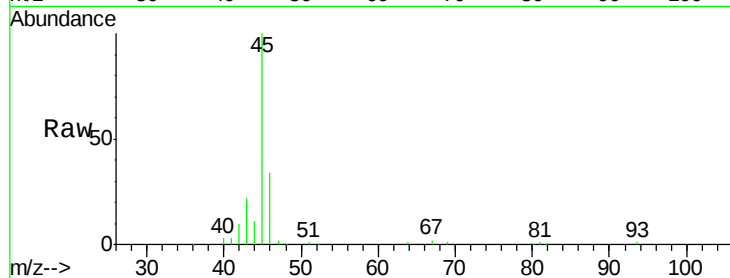
Acq: 14 Feb 2019 17:01

Tgt Ion: 45 Resp: 89905

Ion Ratio Lower Upper

45 100

46 37.9 15.0 60.2



#14

Bromoethene

Concen: 10.078 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

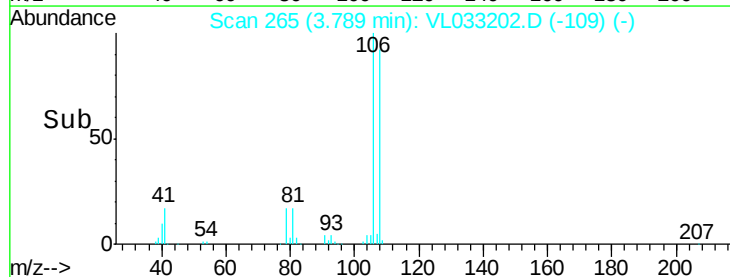
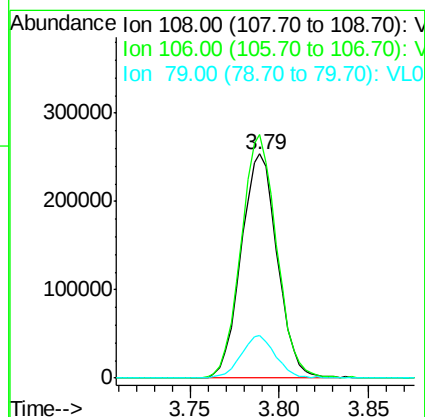
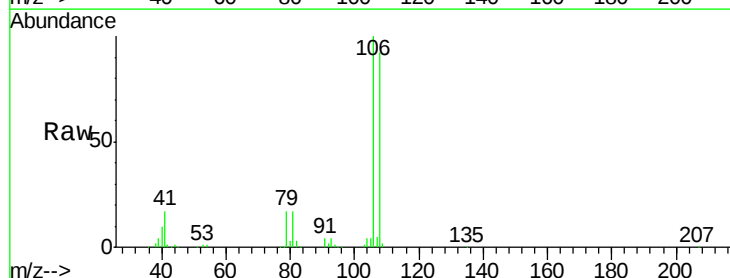
Tgt Ion: 108 Resp: 361093

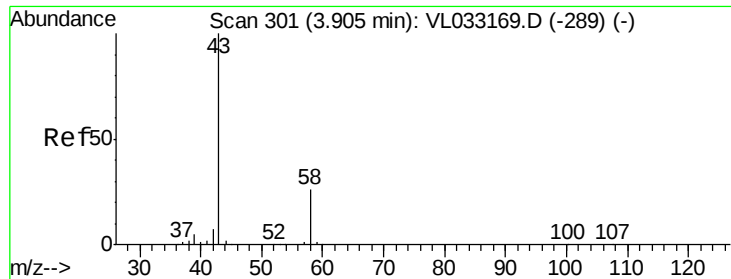
Ion Ratio Lower Upper

108 100

106 107.2 86.0 129.0

79 18.1 14.5 21.7





#15

Acetone

Concen: 9.674 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033202.D

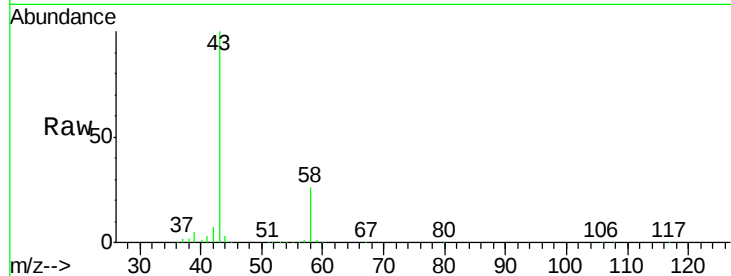
Acq: 14 Feb 2019 17:01

Tgt Ion: 43 Resp: 844299

Ion Ratio Lower Upper

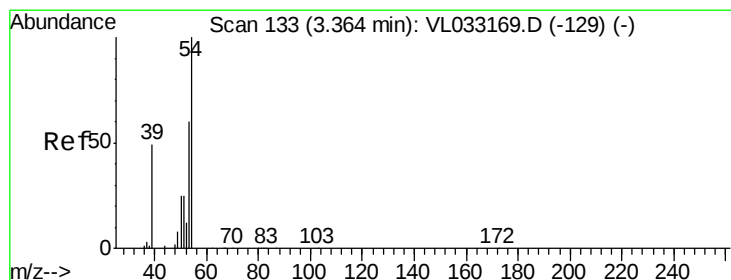
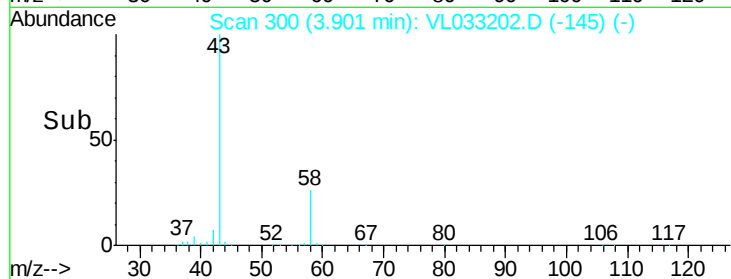
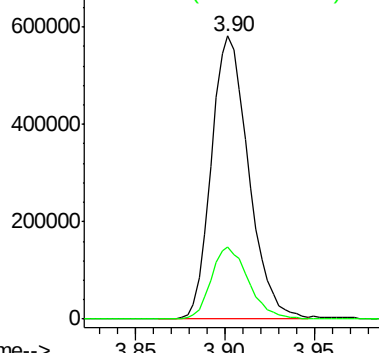
43 100

58 25.7 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.763 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033202.D

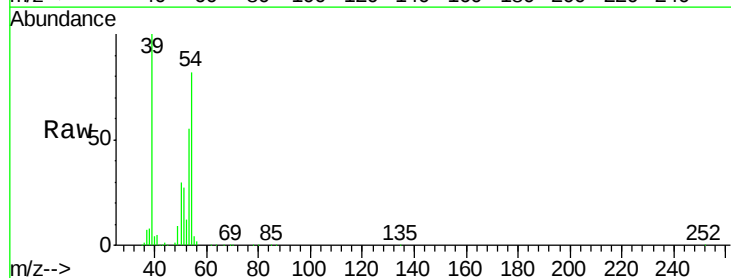
Acq: 14 Feb 2019 17:01

Tgt Ion: 39 Resp: 404430

Ion Ratio Lower Upper

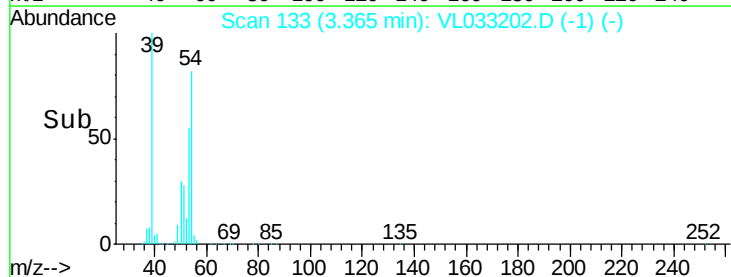
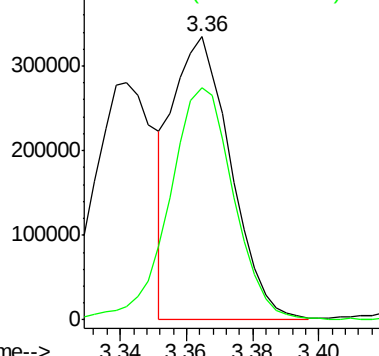
39 100

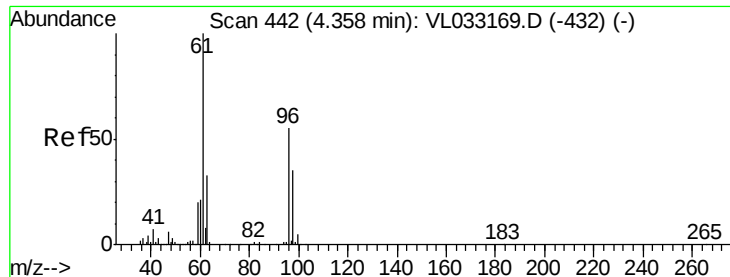
54 92.1 71.3 106.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.328 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL033202.D

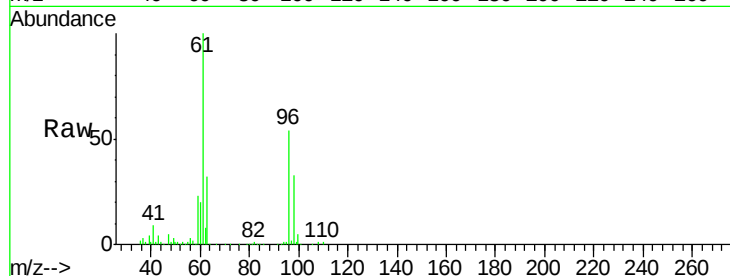
Acq: 14 Feb 2019 17:01

Tgt Ion: 59 Resp: 171841

Ion Ratio Lower Upper

59 100

57 10.2 7.6 11.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.36

100000

80000

60000

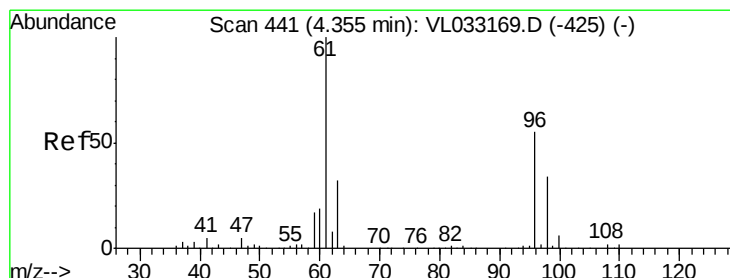
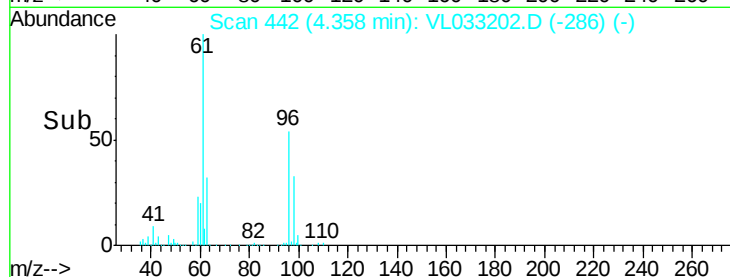
40000

20000

0

4.30 4.35 4.40

Time-->



#18

1,1-Dichloroethene

Concen: 10.138 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

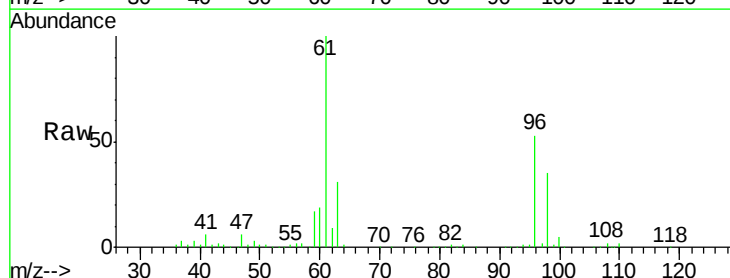
Tgt Ion: 96 Resp: 377083

Ion Ratio Lower Upper

96 100

61 189.1 145.0 217.6

98 66.3 50.0 75.0



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

4.35

600000

500000

400000

300000

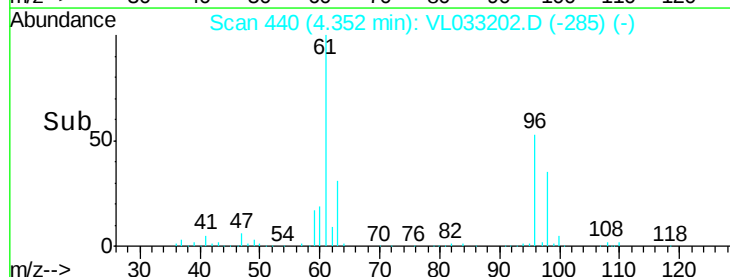
200000

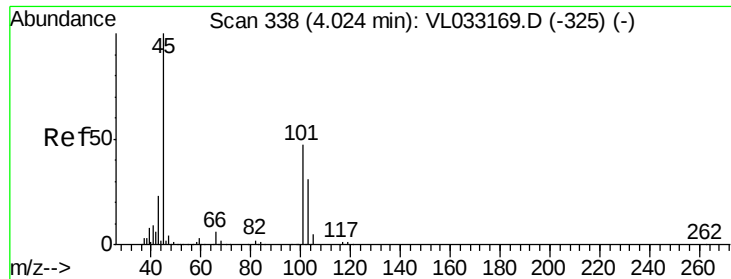
100000

0

4.30 4.35 4.40

Time-->





#19

Isopropyl Alcohol

Concen: 10.108 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033202.D

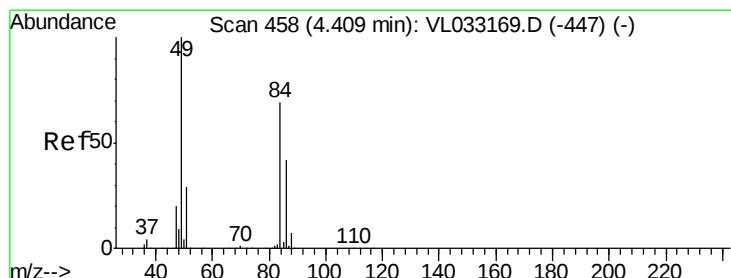
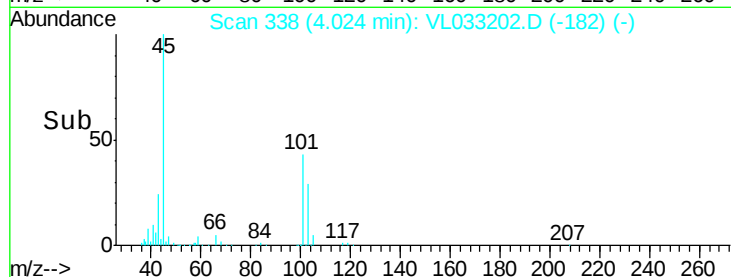
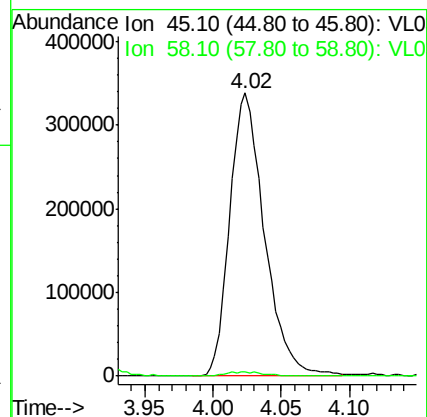
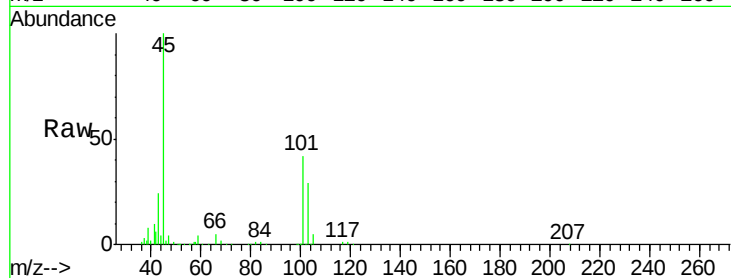
Acq: 14 Feb 2019 17:01

Tgt Ion: 45 Resp: 598267

Ion Ratio Lower Upper

45 100

58 1.9 1.5 2.3



#20

Methylene Chloride

Concen: 9.372 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 84 Resp: 325354

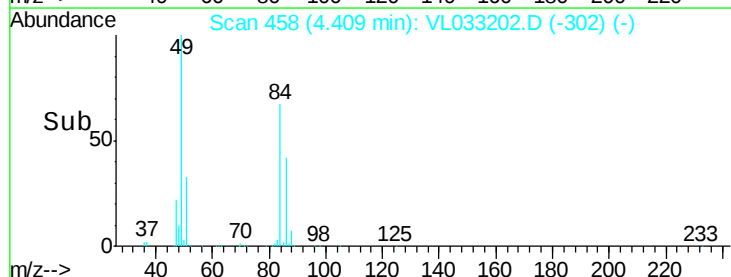
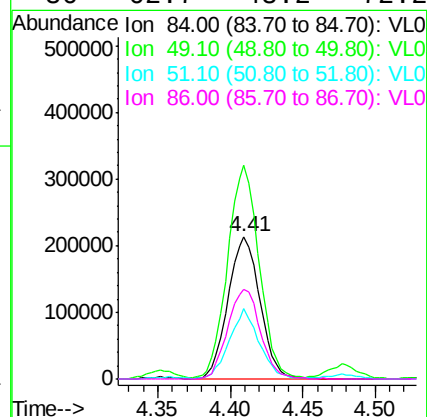
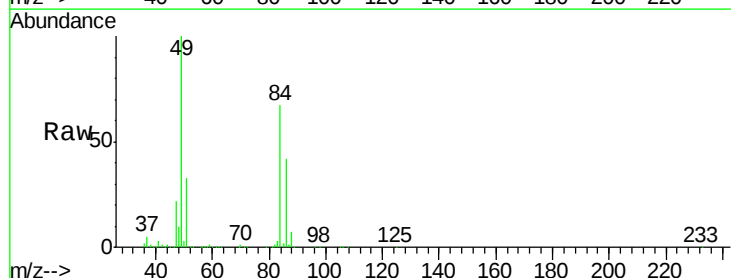
Ion Ratio Lower Upper

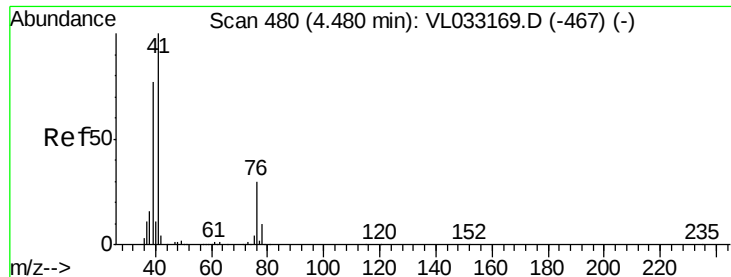
84 100

49 148.9 115.8 173.8

51 49.2 33.0 49.6

86 62.7 48.2 72.2





#21

Allyl Chloride

Concen: 10.161 ppbv

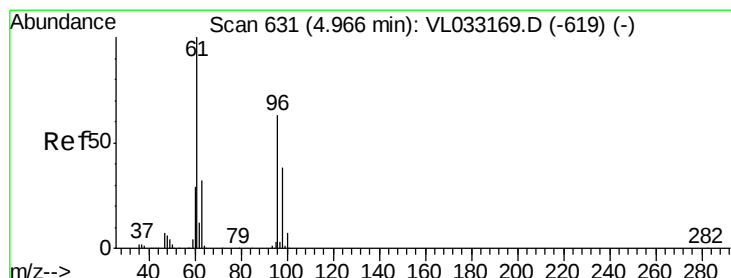
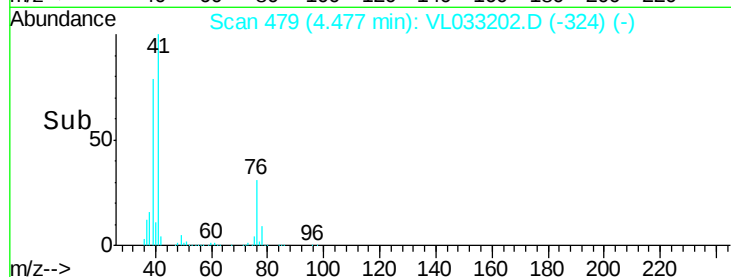
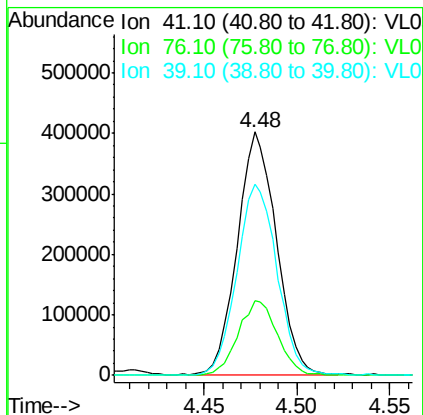
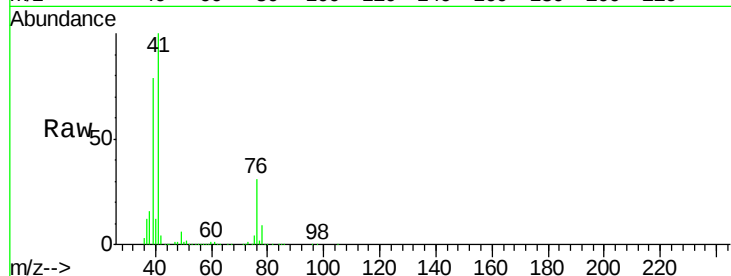
RT: 4.48 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion:	41	Resp:	585547
Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.5	36.7
39	81.4	64.1	96.1



#22

trans-1,2-Dichloroethene

Concen: 10.463 ppbv

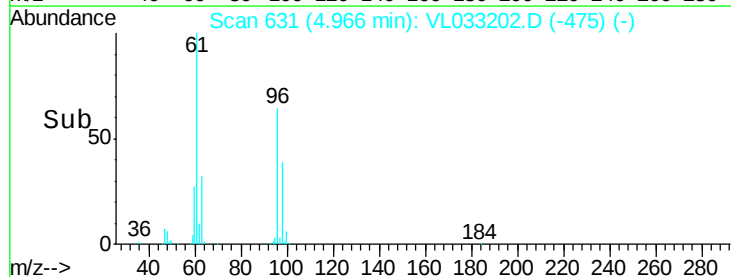
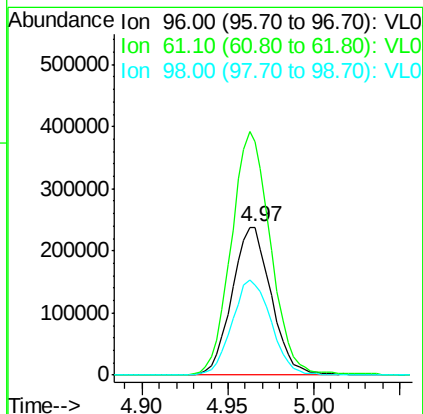
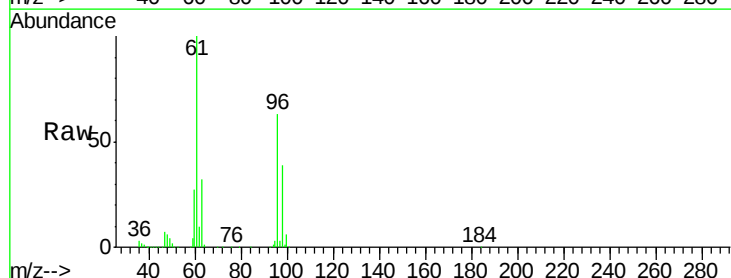
RT: 4.97 min Scan# 631

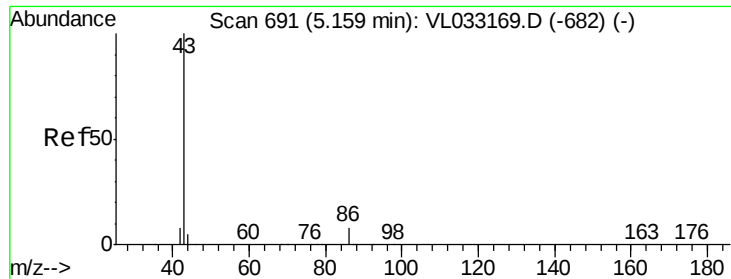
Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion:	96	Resp:	377957
Ion	Ratio	Lower	Upper
96	100		
61	157.2	126.4	189.6
98	60.8	48.4	72.6





#23

Vinyl Acetate

Concen: 10.105 ppbv

RT: 5.16 min Scan# 690

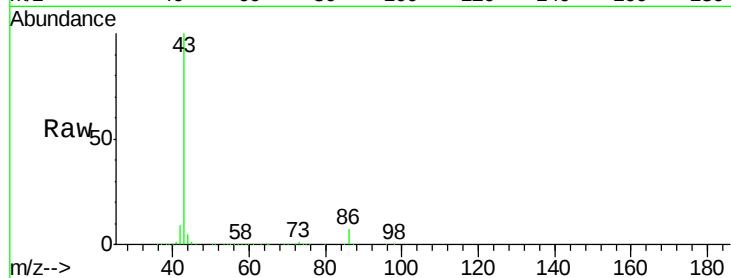
Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 43 Resp: 1528355

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.8	8.8
42	9.2	7.4	11.0
44	5.2	3.7	5.5

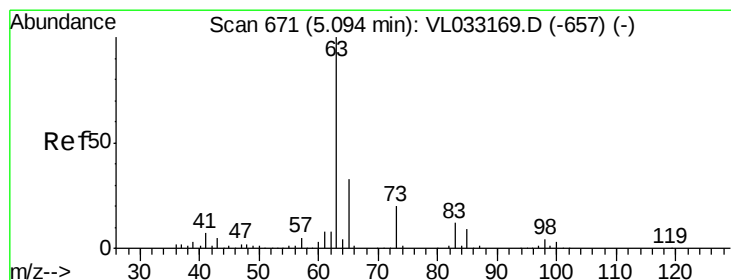
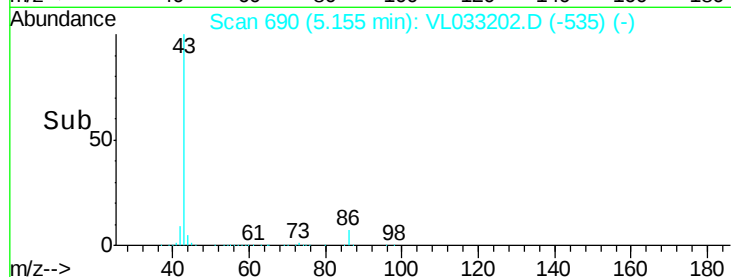
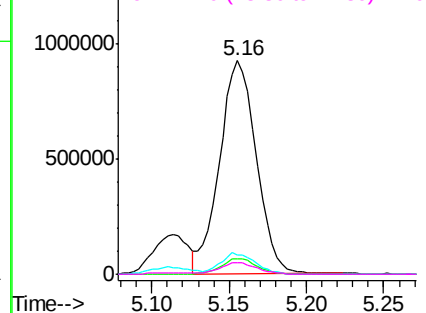


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.674 ppbv

RT: 5.09 min Scan# 671

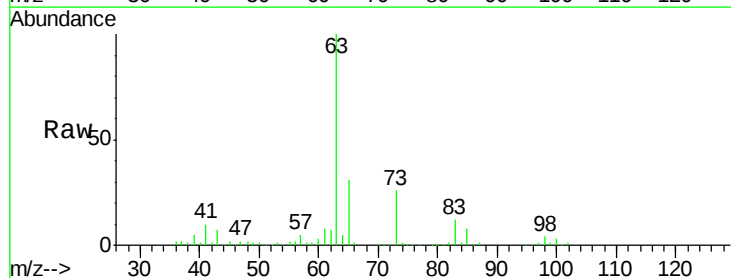
Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 63 Resp: 1034998

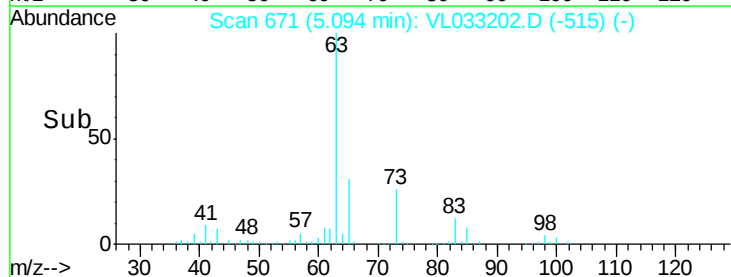
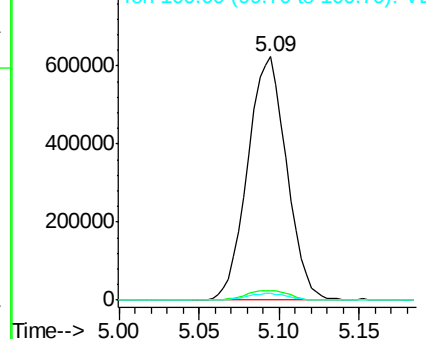
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.5
100	2.9	1.4	4.2

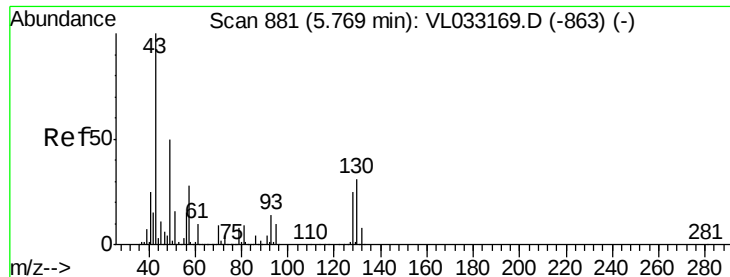


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

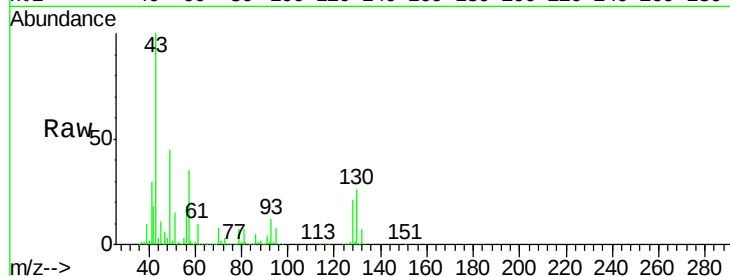
Ion 100.00 (99.70 to 100.70): VL0



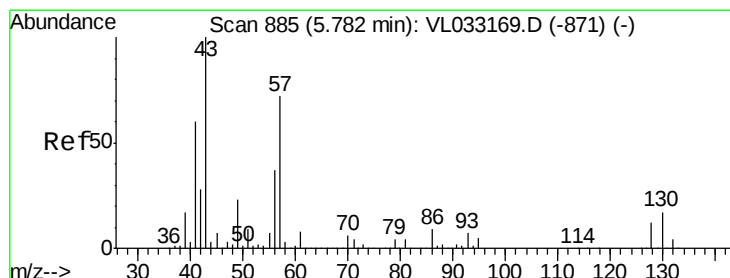
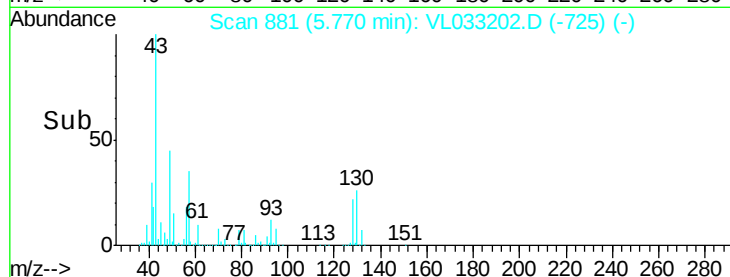
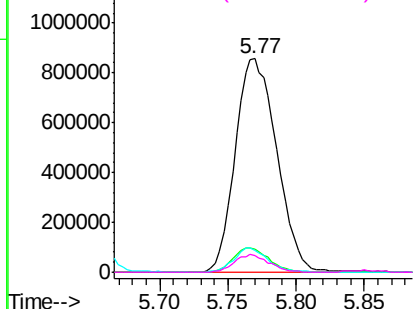


#25
Ethyl Acetate
Concen: 9.185 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tgt Ion:	43	Resp:	1802364
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.1	7.5	11.3
70	7.1	5.8	8.8

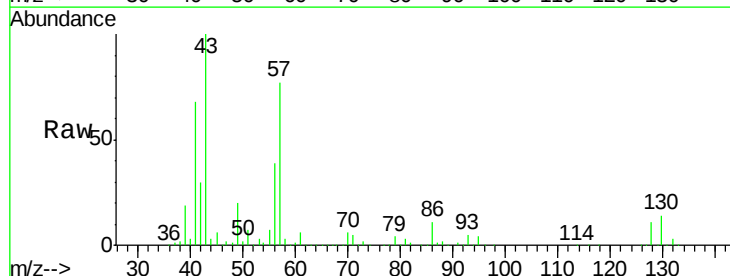


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

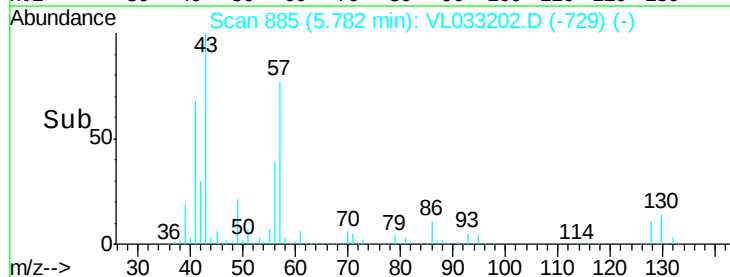
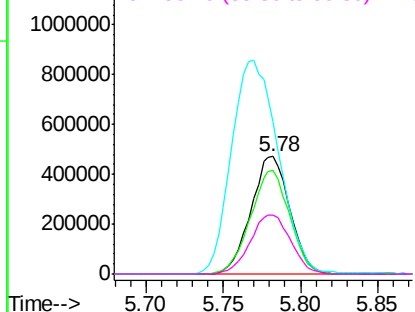


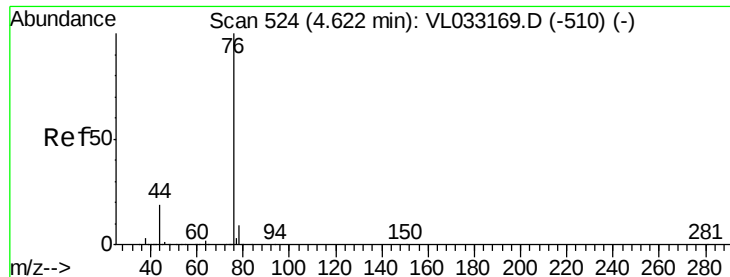
#26
Hexane
Concen: 8.955 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tgt Ion:	57	Resp:	824949
Ion	Ratio	Lower	Upper
57	100		
41	88.9	69.4	104.2
43	219.8	176.7	265.1
56	52.3	41.4	62.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.115 ppbv

RT: 4.62 min Scan# 524

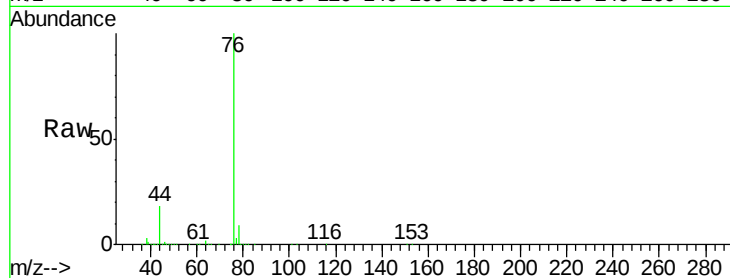
Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 76 Resp: 937947

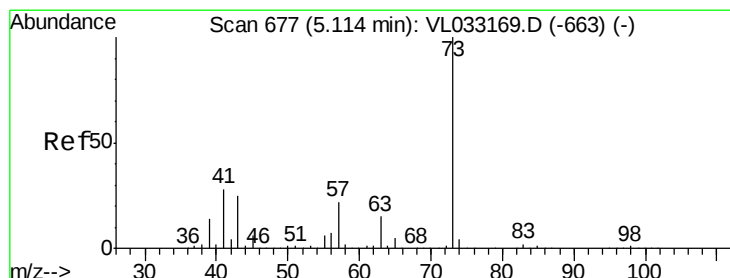
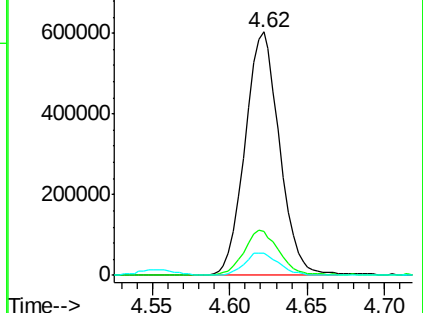
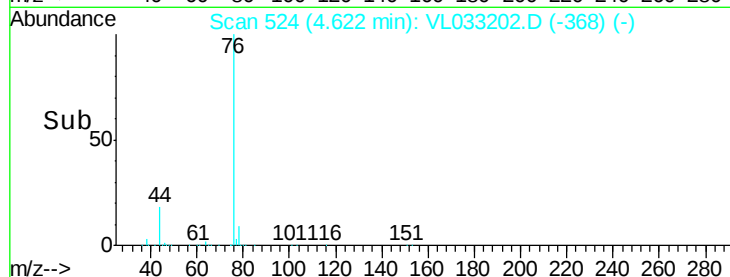
Ion	Ratio	Lower	Upper
76	100		
44	18.5	15.0	22.4
78	9.3	7.4	11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.527 ppbv

RT: 5.11 min Scan# 677

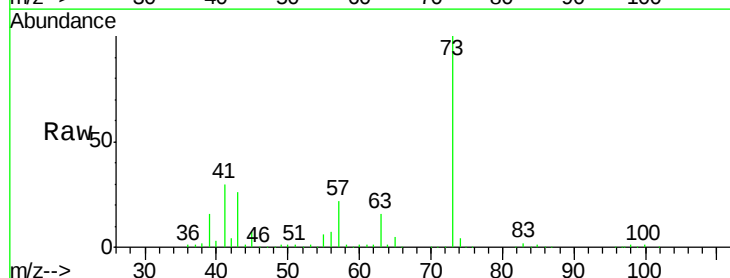
Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

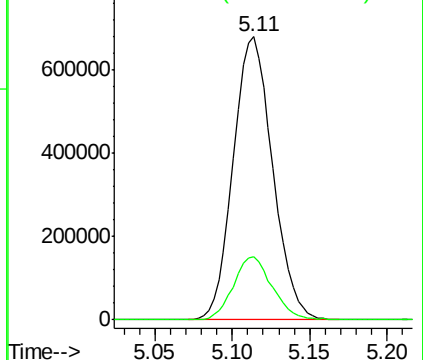
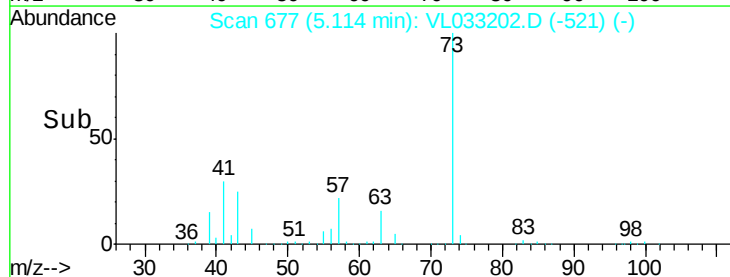
Tgt Ion: 73 Resp: 1199227

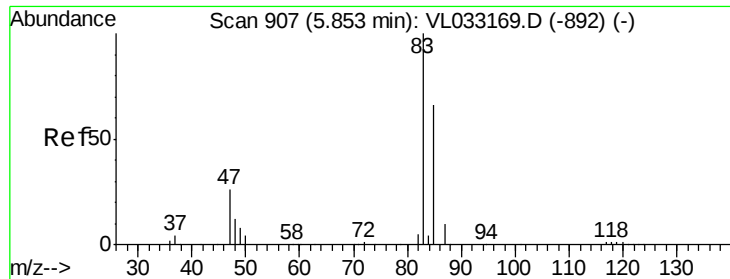
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.9	26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

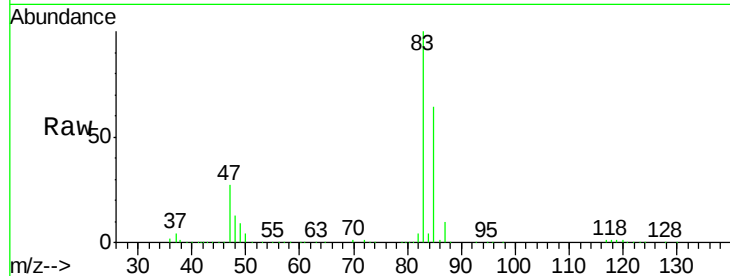
Ion 57.10 (56.80 to 57.80): VL0



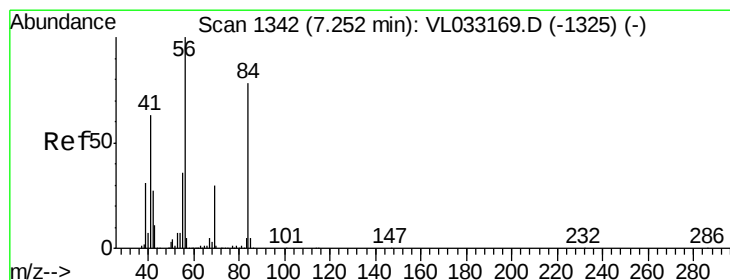
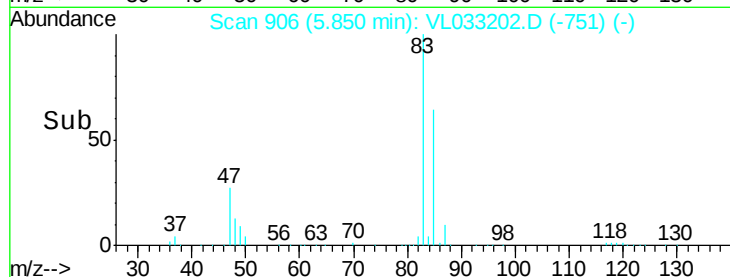
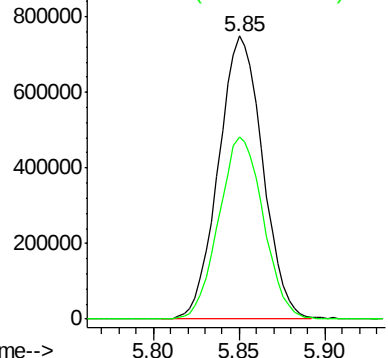


#29
Chloroform
Concen: 9.446 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tgt Ion: 83 Resp: 1333516
Ion Ratio Lower Upper
83 100
85 64.4 52.6 78.8

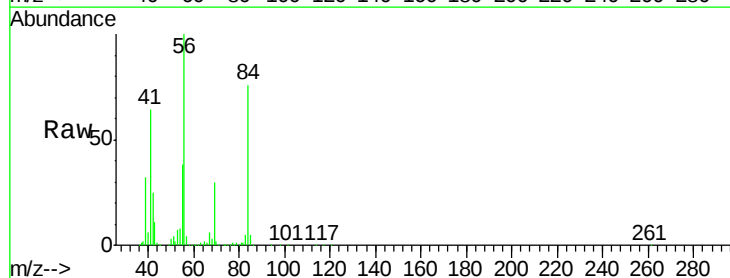


Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

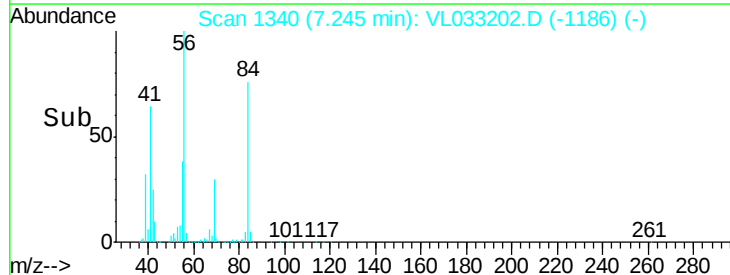
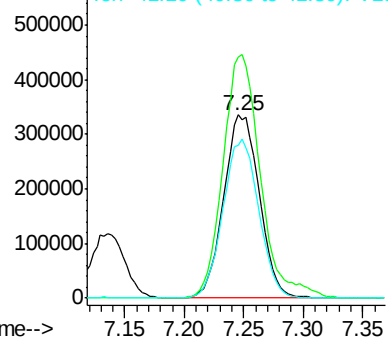


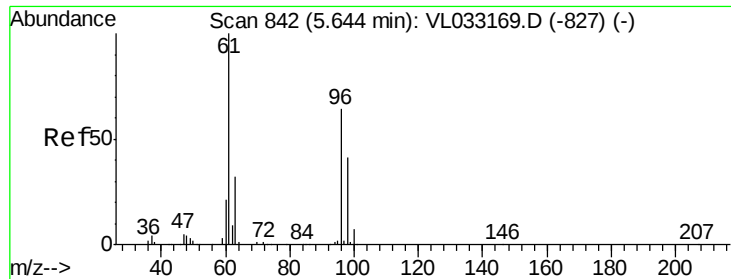
#30
Cyclohexane
Concen: 8.150 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tgt Ion: 84 Resp: 696540
Ion Ratio Lower Upper
84 100
56 139.4 109.5 164.3
41 87.3 66.6 100.0



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

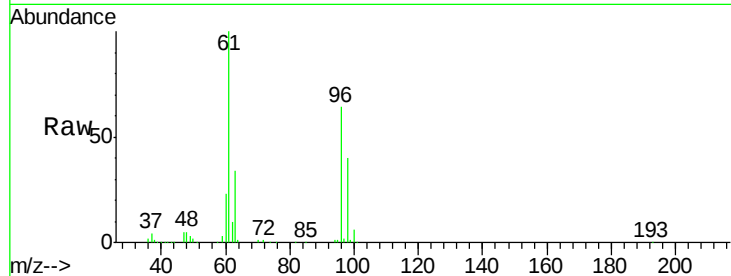




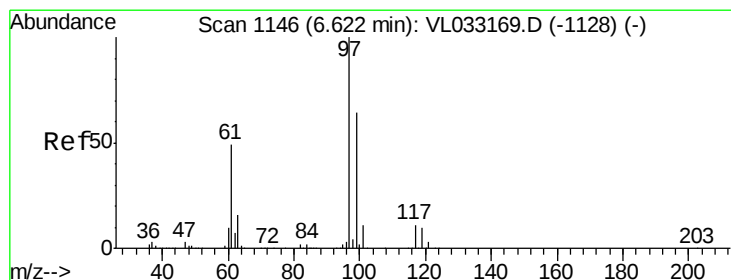
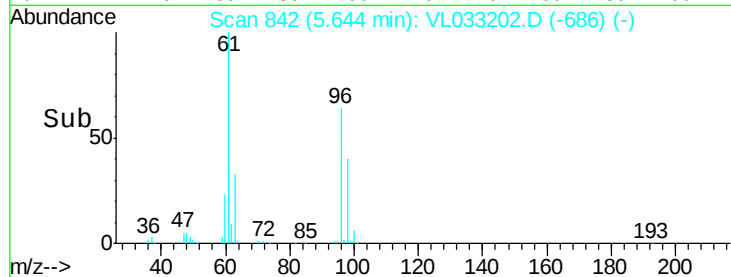
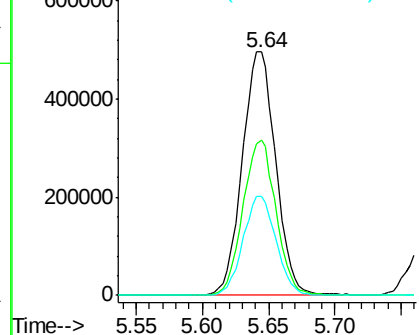
#31

cis-1,2-Dichloroethene
 Concen: 9.441 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tgt Ion:	61	Resp:	870452
Ion	Ratio	Lower	Upper
61	100		
96	63.8	51.2	76.8
98	40.4	32.8	49.2



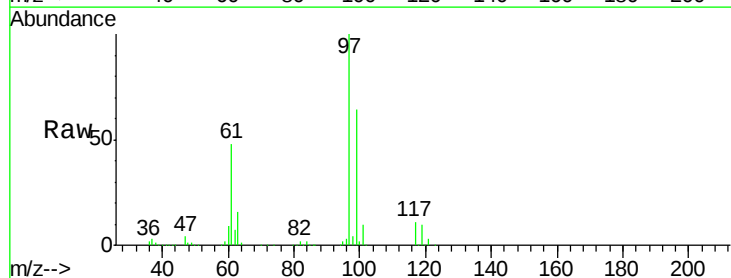
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



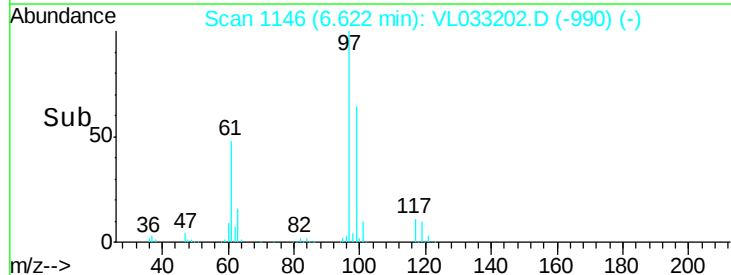
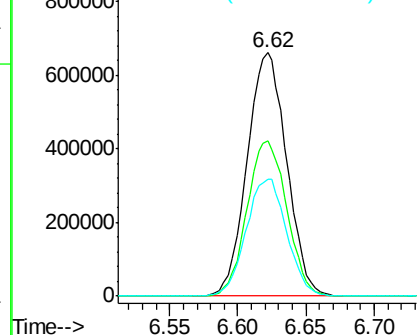
#32

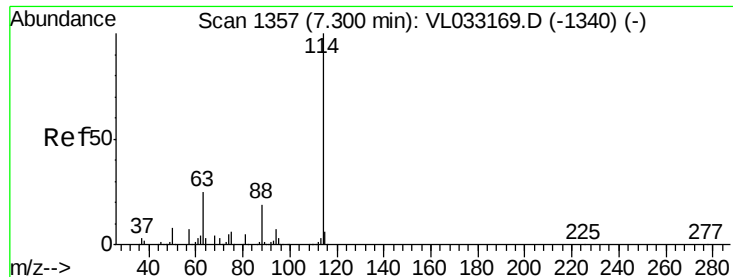
1,1,1-Trichloroethane
 Concen: 8.555 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tgt Ion:	97	Resp:	1329705
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	49.6	38.9	58.3



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# 1355

Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

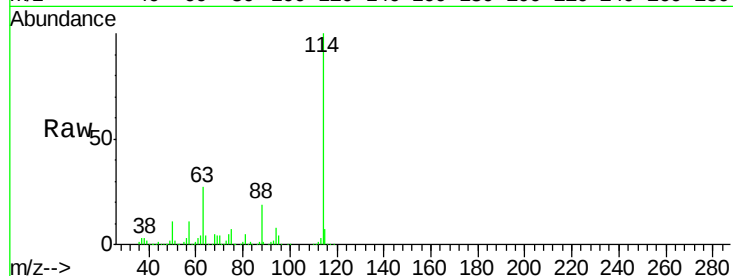
Tgt Ion: 114 Resp: 1819845

Ion Ratio Lower Upper

114 100

63 27.0 20.8 31.2

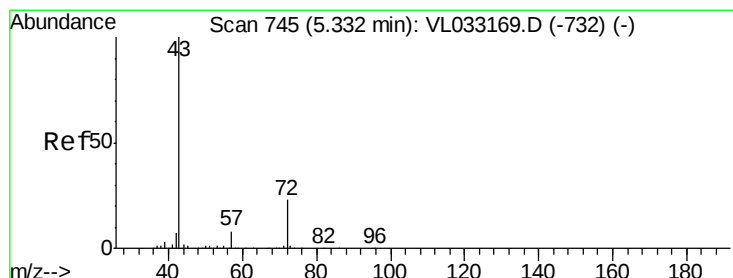
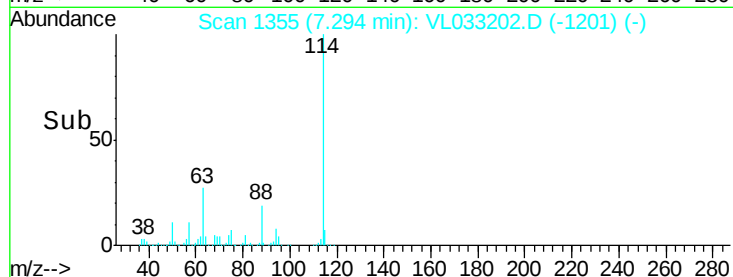
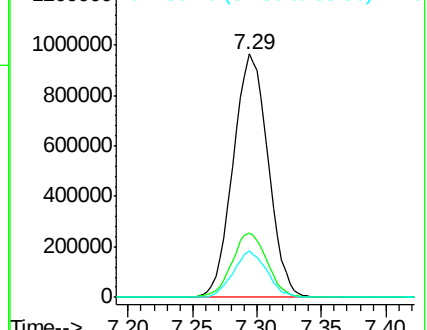
88 18.3 14.6 22.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.723 ppbv

RT: 5.33 min Scan# 744

Delta R.T. -0.00 min

Lab File: VL033202.D

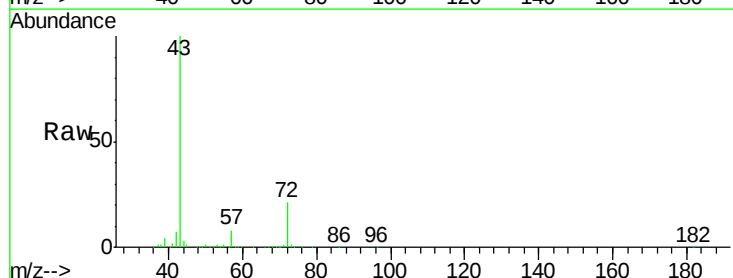
Acq: 14 Feb 2019 17:01

Tgt Ion: 43 Resp: 1237829

Ion Ratio Lower Upper

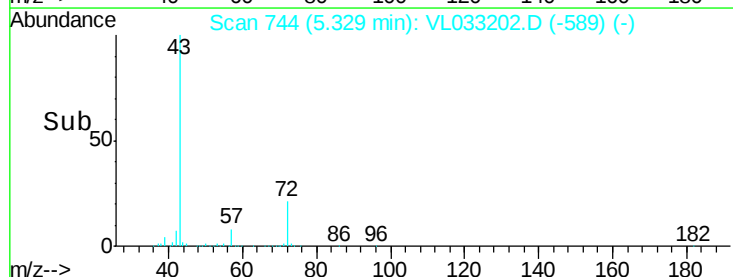
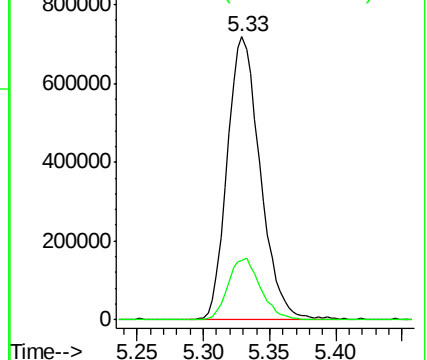
43 100

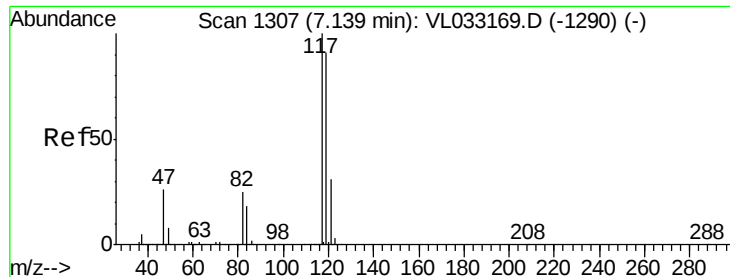
72 21.7 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.812 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

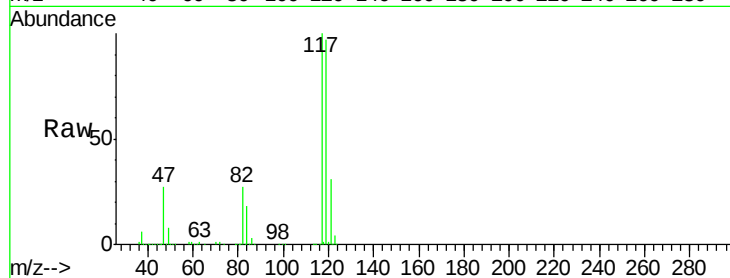
Tgt Ion: 117 Resp: 1363692

Ion Ratio Lower Upper

117 100

119 97.2 73.0 109.6

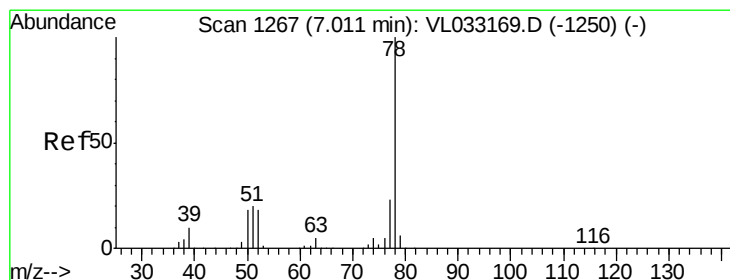
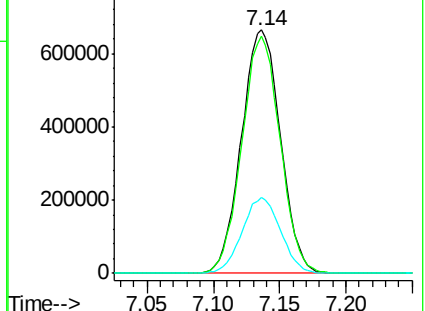
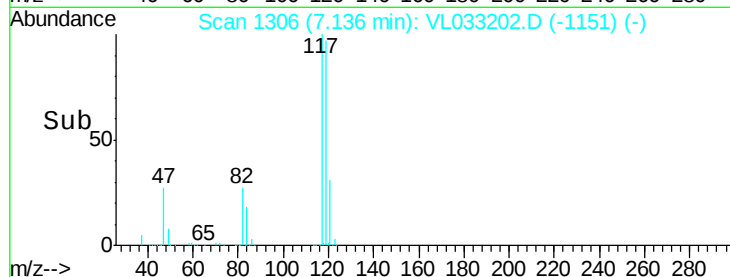
121 30.9 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.452 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

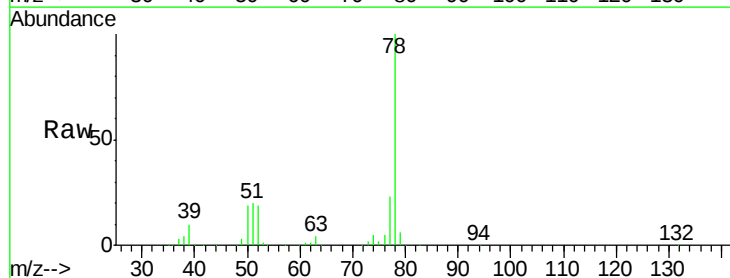
Tgt Ion: 78 Resp: 1743397

Ion Ratio Lower Upper

78 100

77 22.6 18.0 27.0

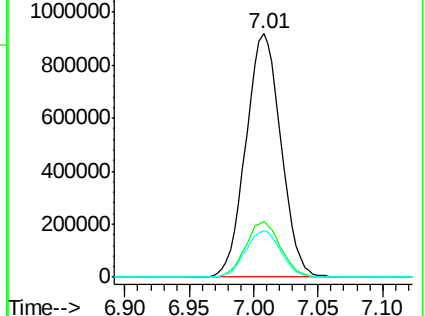
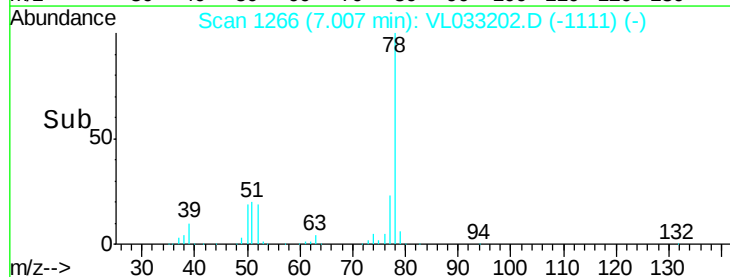
50 19.3 14.2 21.2

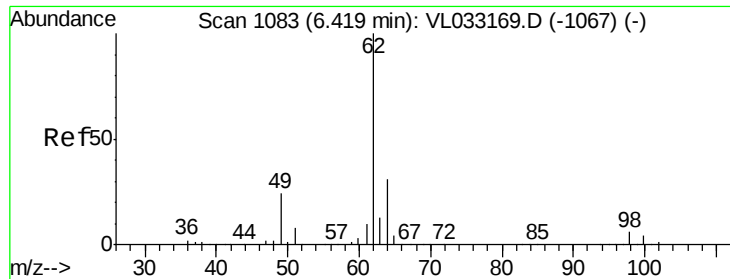


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

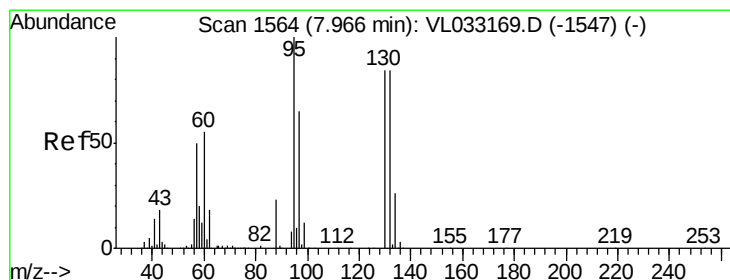
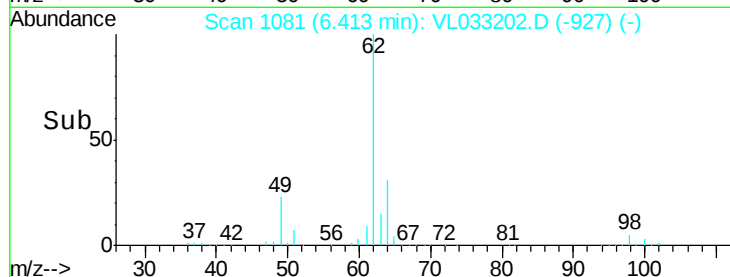
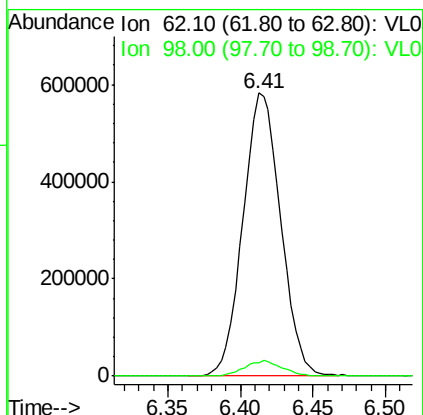
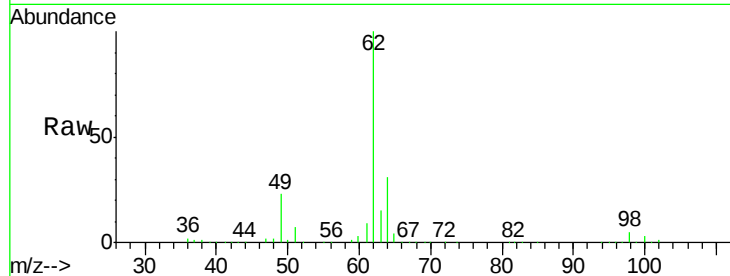
Ion 50.10 (49.80 to 50.80): VL0





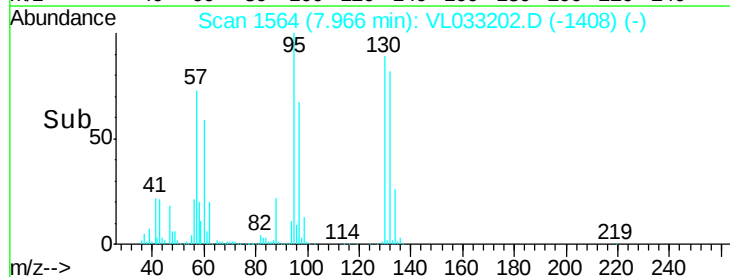
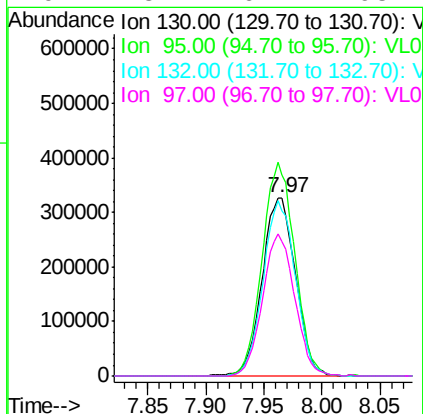
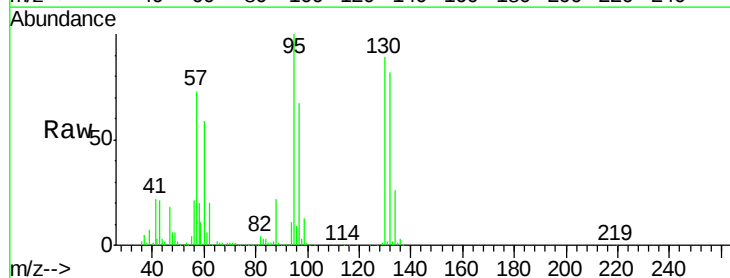
#37
 1,2-Dichloroethane
 Concen: 10.341 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

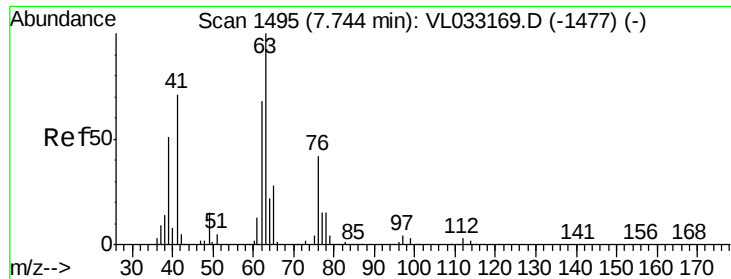
Tgt Ion: 62 Resp: 1056980
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.7 7.1



#38
 Trichloroethene
 Concen: 8.283 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tgt Ion: 130 Resp: 654202
 Ion Ratio Lower Upper
 130 100
 95 112.8 95.5 143.3
 132 93.0 80.0 120.0
 97 75.7 62.2 93.2





#39

1,2-Dichloropropane

Concen: 9.178 ppbv

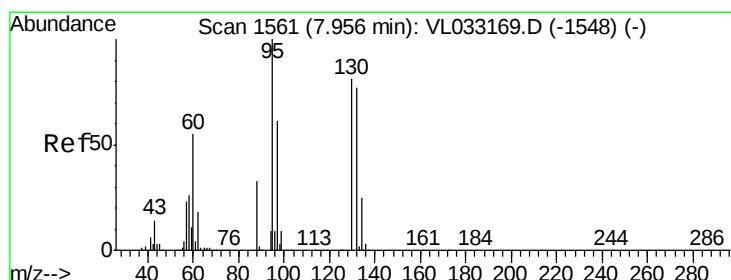
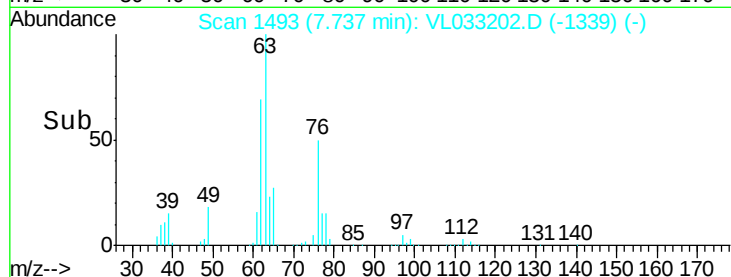
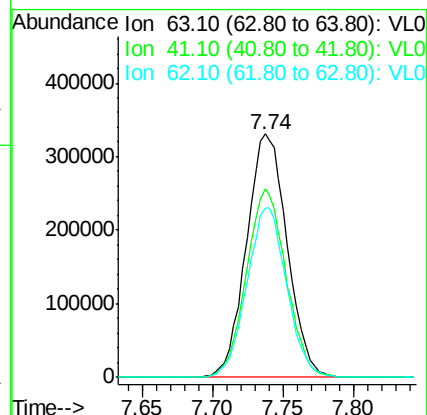
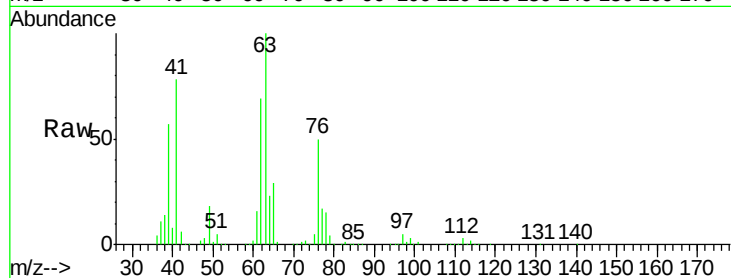
RT: 7.74 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion:	63	Resp:	668527
Ion	Ratio	Lower	Upper
63	100		
41	77.5	56.4	84.6
62	69.3	54.2	81.4



#40

1,4-Dioxane

Concen: 9.089 ppbv

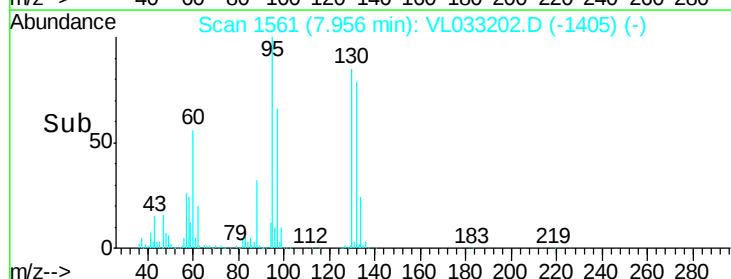
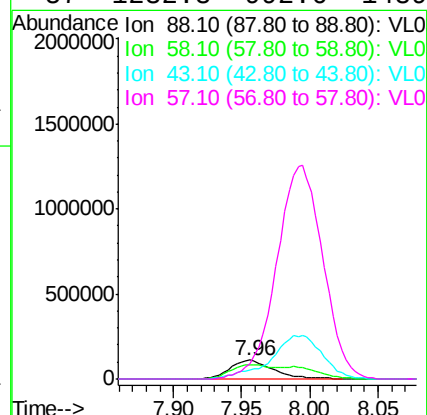
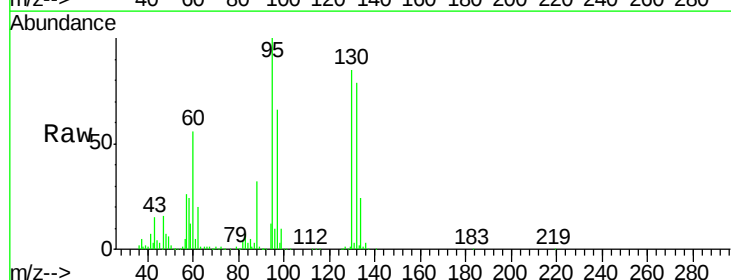
RT: 7.96 min Scan# 1561

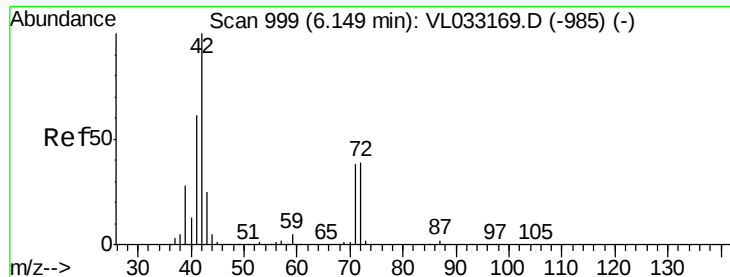
Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion:	88	Resp:	240599
Ion	Ratio	Lower	Upper
88	100		
58	132.2	106.6	160.0
43	277.5	220.2	330.2
57	1232.8	992.6	1489.0





#41

Tetrahydrofuran

Concen: 10.064 ppbv

RT: 6.15 min Scan# 999

Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

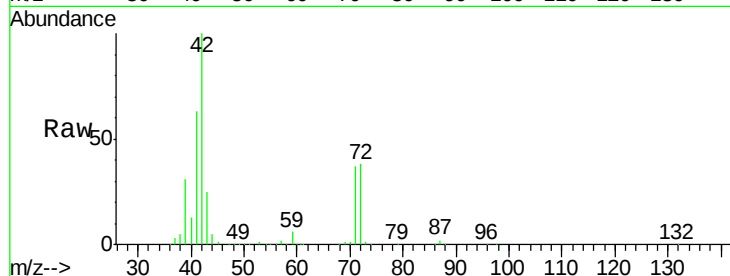
Tgt Ion: 42 Resp: 719066

Ion Ratio Lower Upper

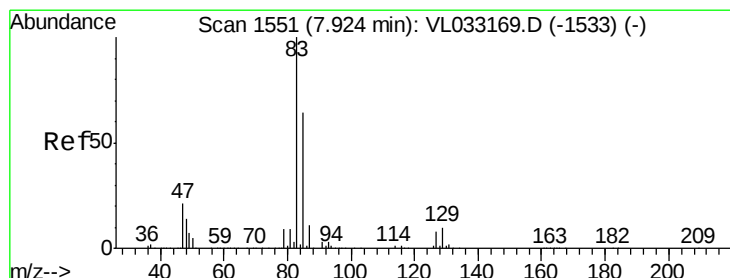
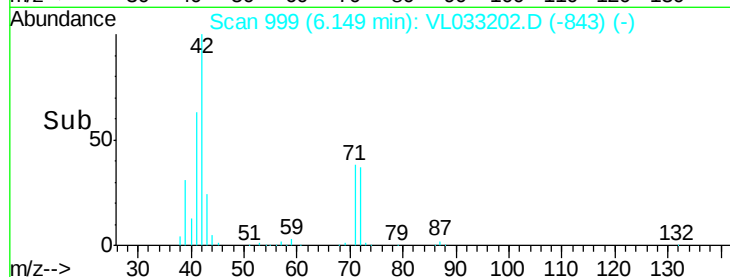
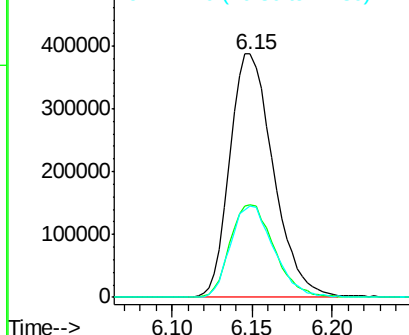
42 100

72 38.8 31.6 47.4

71 37.6 30.3 45.5



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: 10.306 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

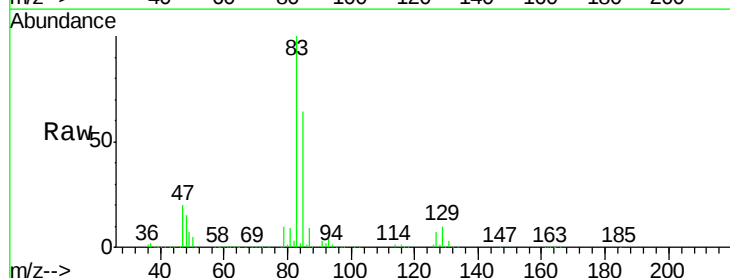
Tgt Ion: 83 Resp: 1526502

Ion Ratio Lower Upper

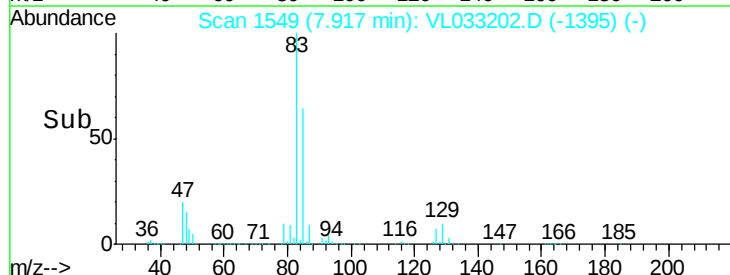
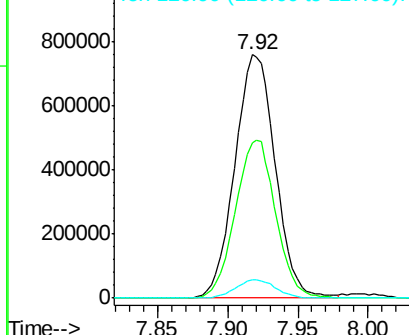
83 100

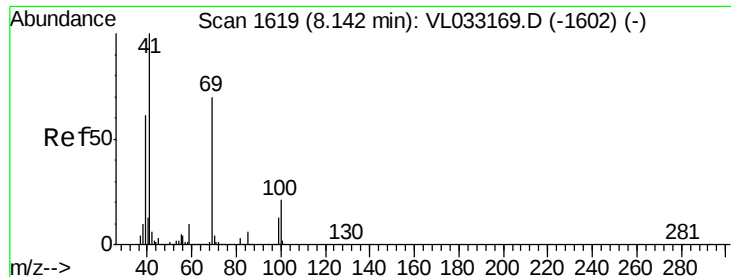
85 63.7 51.1 76.7

127 7.4 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 9.660 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

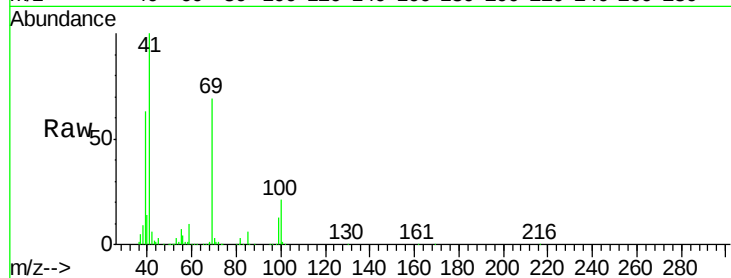
Tgt Ion: 69 Resp: 715278

Ion Ratio Lower Upper

69 100

41 150.0 117.1 175.7

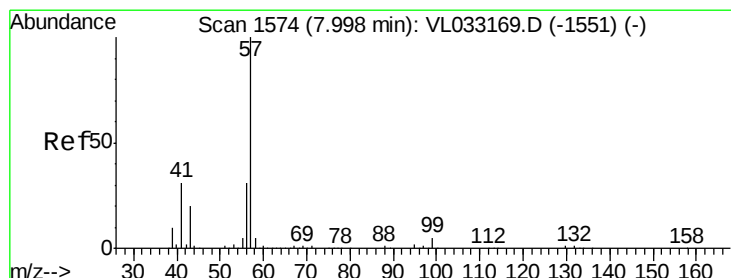
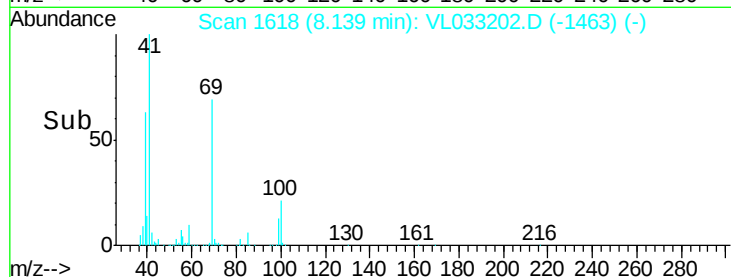
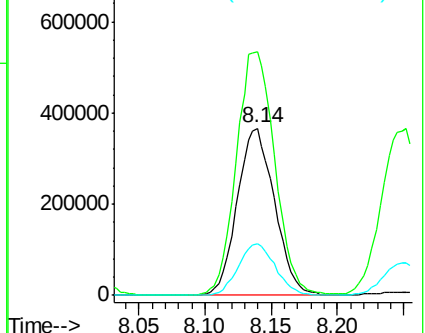
100 30.9 25.0 37.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.461 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

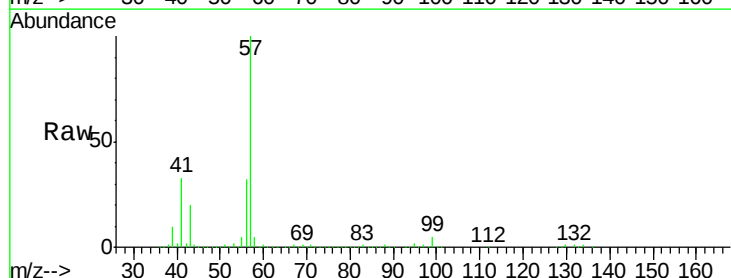
Tgt Ion: 57 Resp: 2956954

Ion Ratio Lower Upper

57 100

41 32.1 25.1 37.7

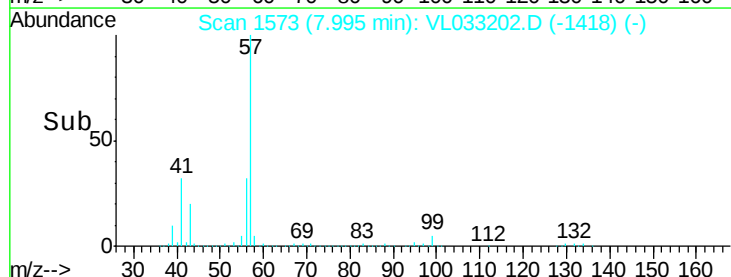
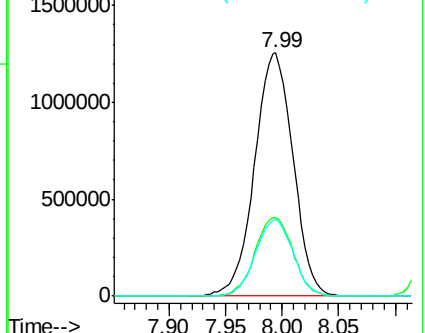
56 30.8 24.5 36.7

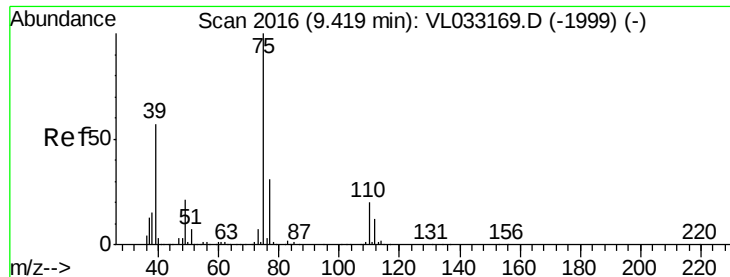


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.752 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VL033202.D

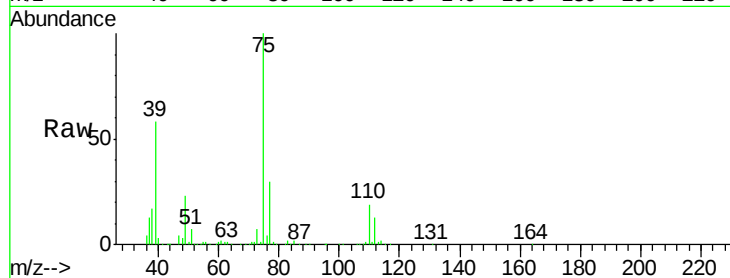
Acq: 14 Feb 2019 17:01

Tgt Ion: 75 Resp: 966708

Ion Ratio Lower Upper

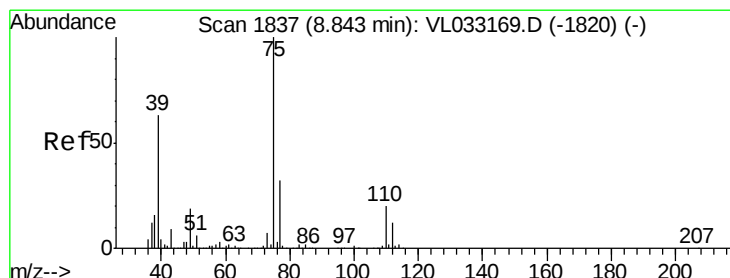
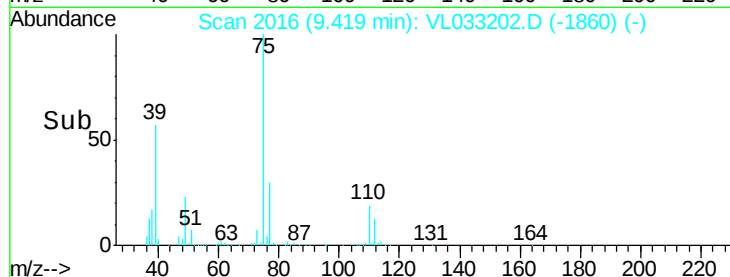
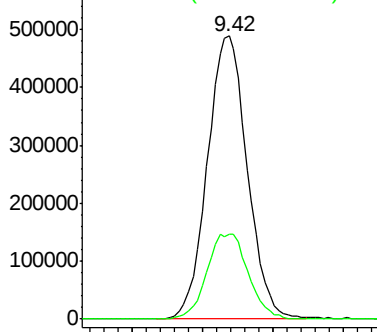
75 100

77 30.2 25.0 37.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.576 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

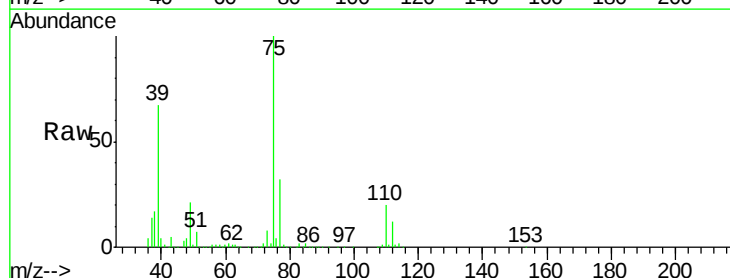
Tgt Ion: 75 Resp: 1108147

Ion Ratio Lower Upper

75 100

39 66.9 50.1 75.1

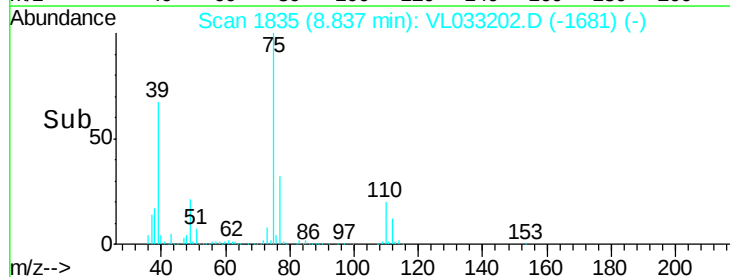
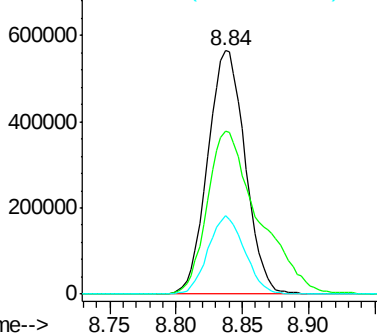
77 32.2 25.4 38.2

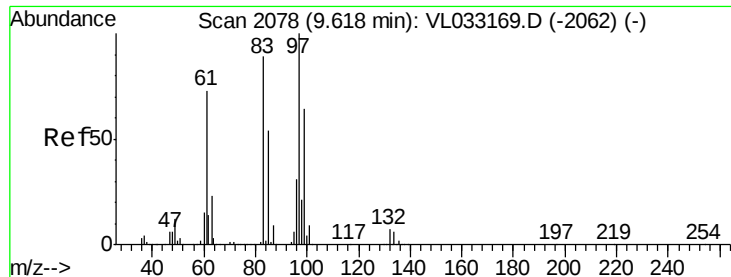


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.584 ppbv

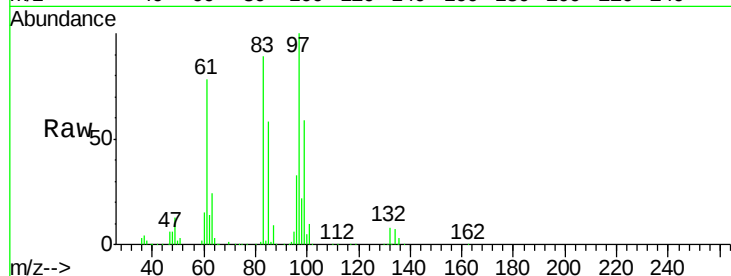
RT: 9.62 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion:	97	Resp:	724507
Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.4	107.2
85	58.2	43.5	65.3
99	58.6	51.4	77.0

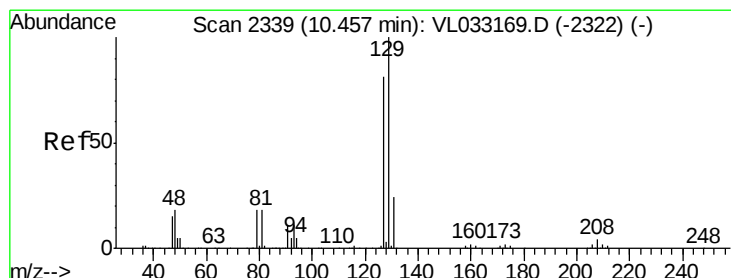
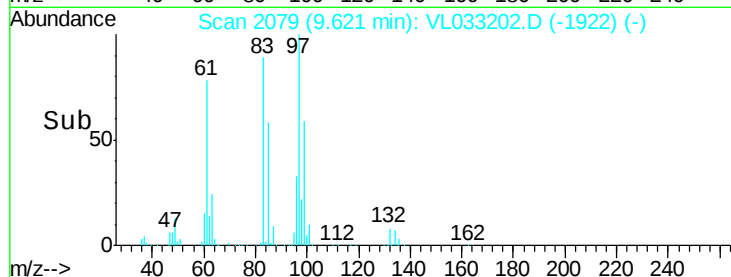
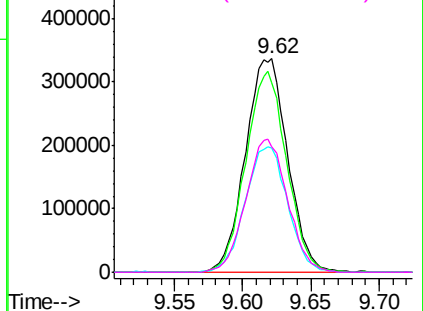


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.609 ppbv

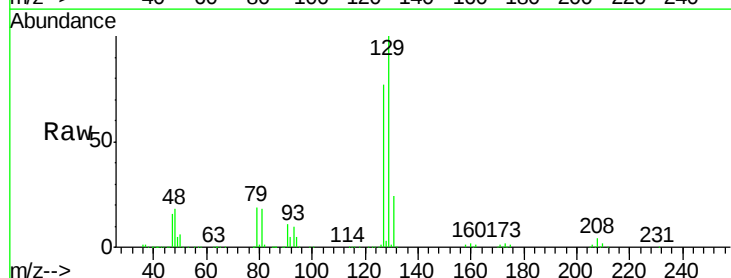
RT: 10.45 min Scan# 2338

Delta R.T. -0.00 min

Lab File: VL033202.D

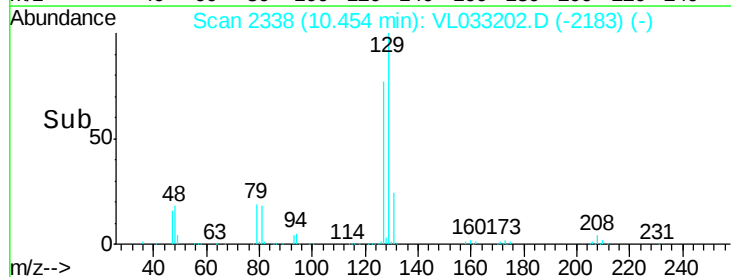
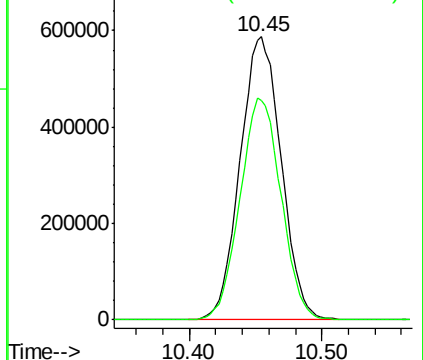
Acq: 14 Feb 2019 17:01

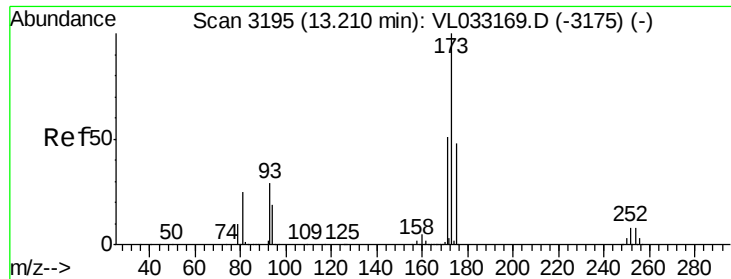
Tgt Ion:	129	Resp:	1262518
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.263 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

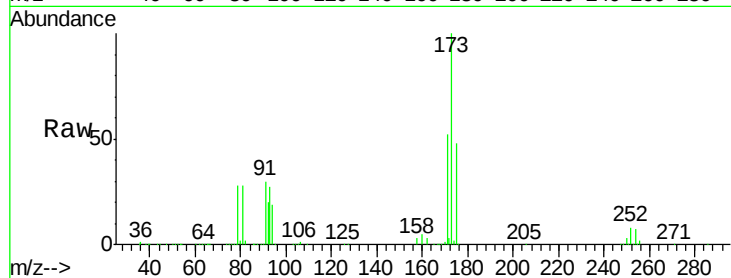
Tgt Ion: 173 Resp: 1153084

Ion Ratio Lower Upper

173 100

175 48.9 38.6 58.0

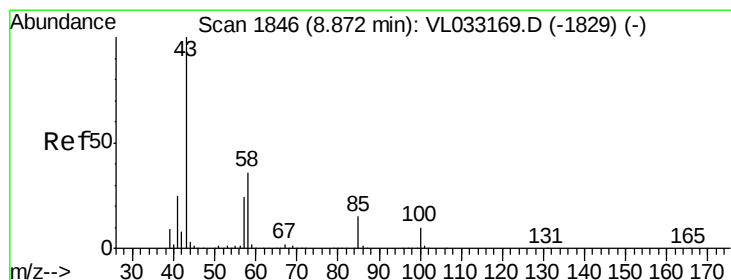
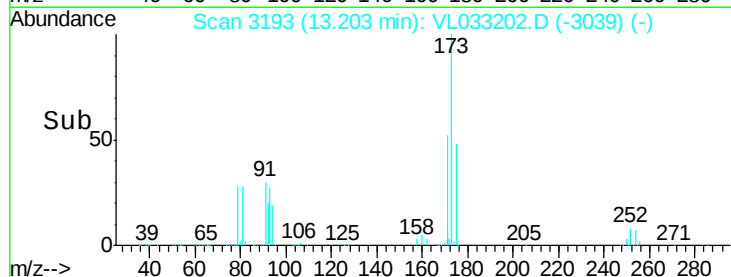
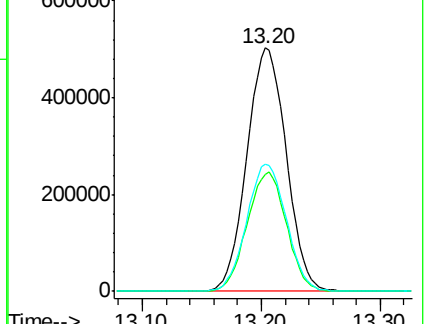
171 52.9 41.6 62.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.958 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL033202.D

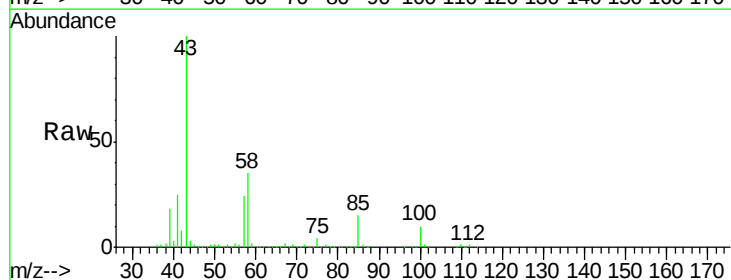
Acq: 14 Feb 2019 17:01

Tgt Ion: 43 Resp: 1843346

Ion Ratio Lower Upper

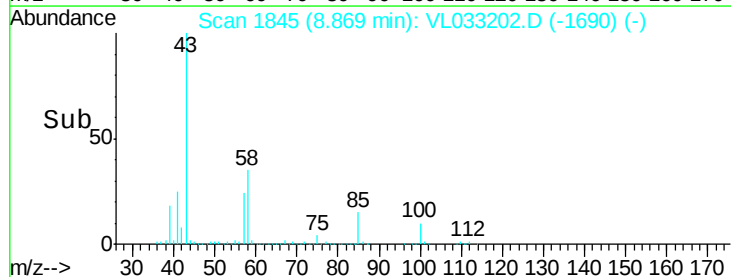
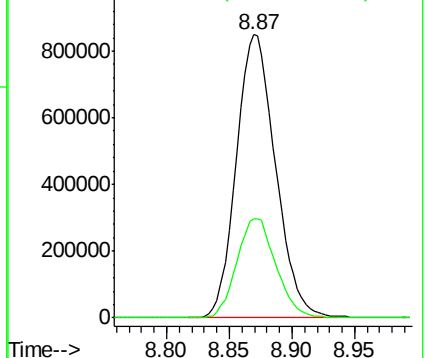
43 100

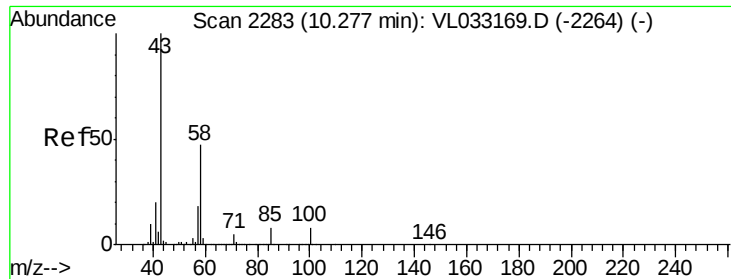
58 35.3 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

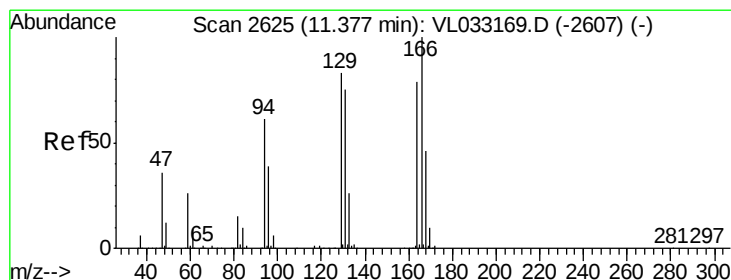
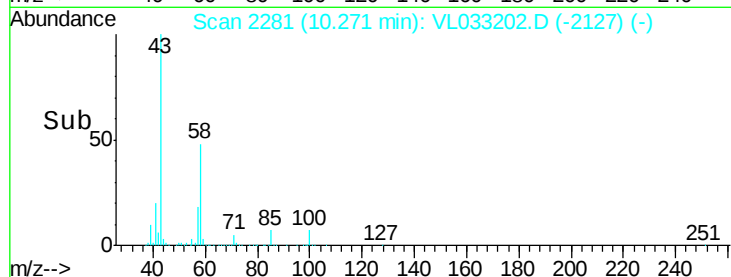
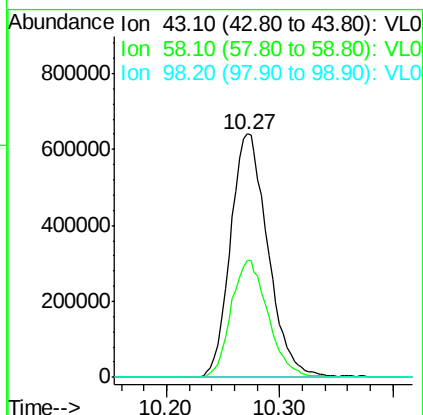
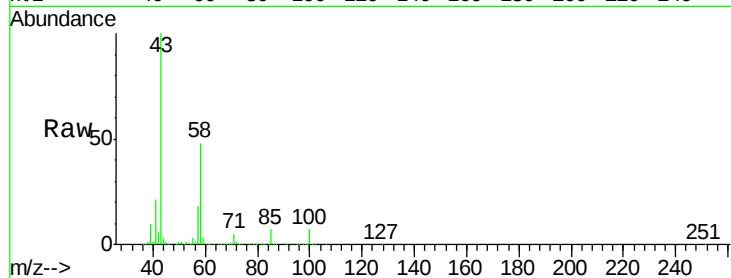
Ion 58.10 (57.80 to 58.80): VL0





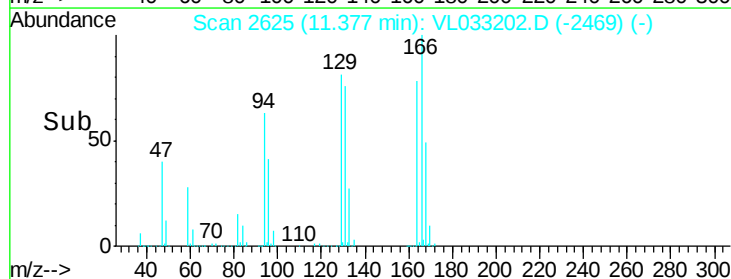
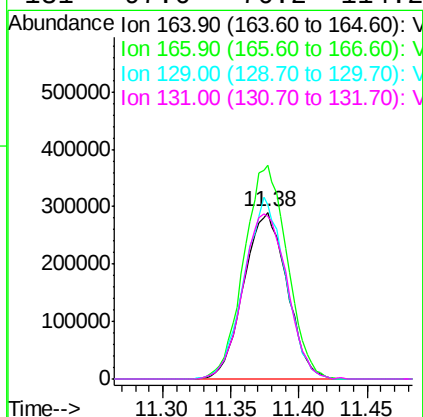
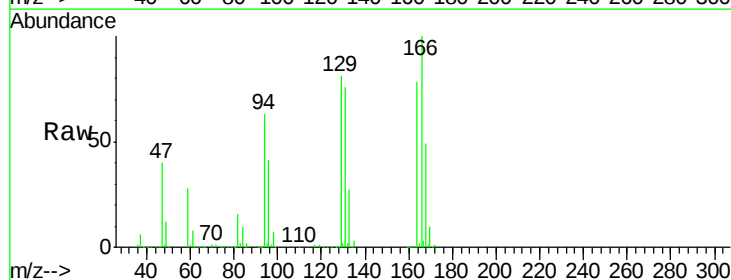
#51
2-Hexanone
Concen: 10.107 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

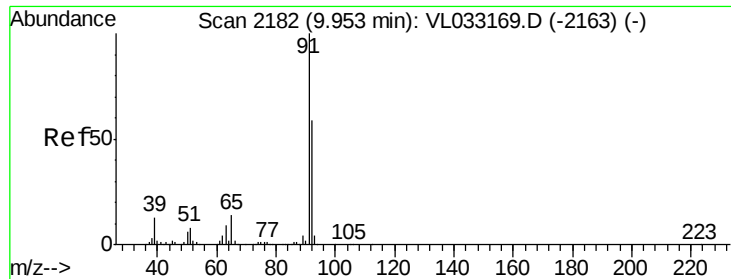
Tgt Ion: 43 Resp: 1475130
Ion Ratio Lower Upper
43 100
58 47.6 39.1 58.7
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.000 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tgt Ion: 164 Resp: 637745
Ion Ratio Lower Upper
164 100
166 128.0 100.9 151.3
129 104.2 83.9 125.9
131 97.6 76.2 114.2





#53

Toluene

Concen: 9.614 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033202.D

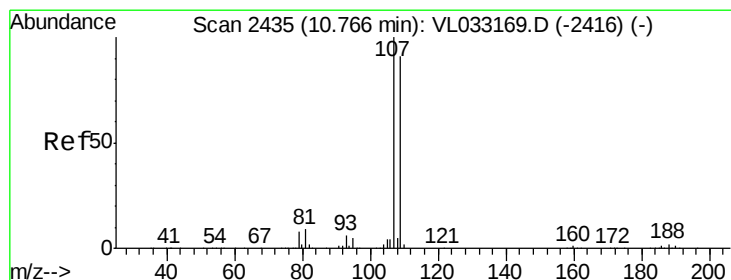
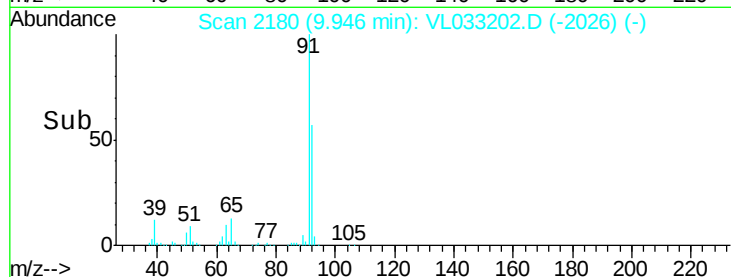
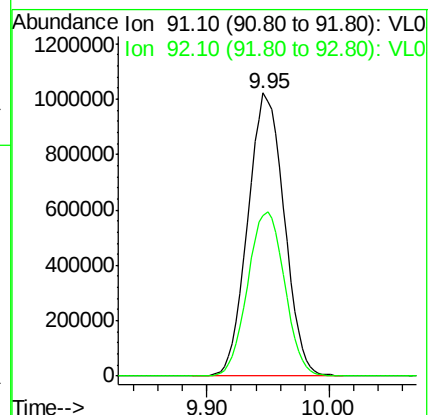
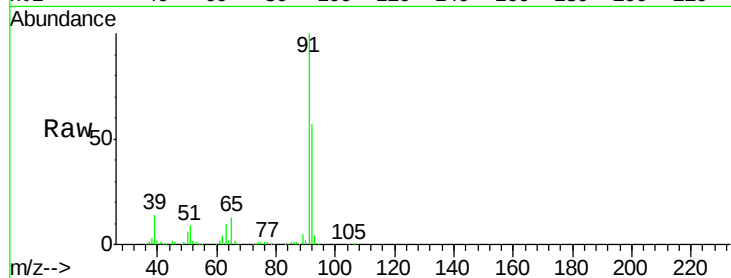
Acq: 14 Feb 2019 17:01

Tgt Ion: 91 Resp: 2099728

Ion Ratio Lower Upper

91 100

92 59.1 48.0 72.0



#54

1,2-Dibromoethane

Concen: 9.700 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033202.D

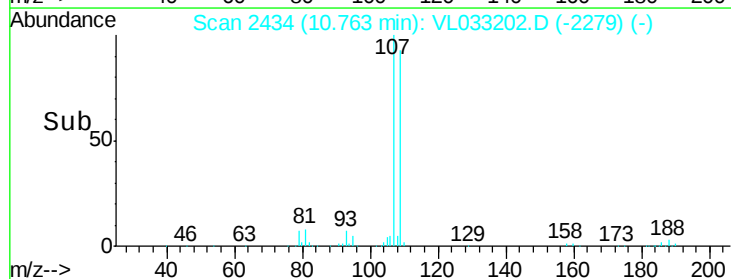
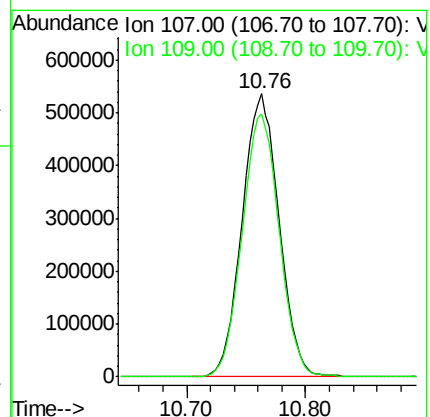
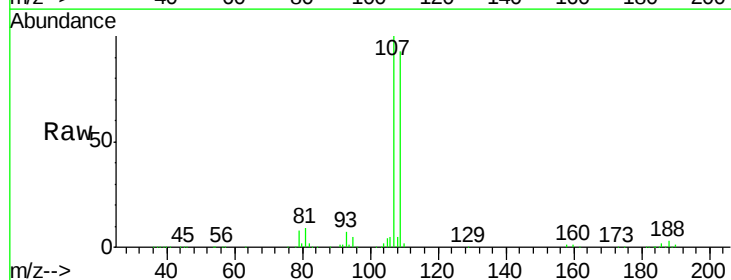
Acq: 14 Feb 2019 17:01

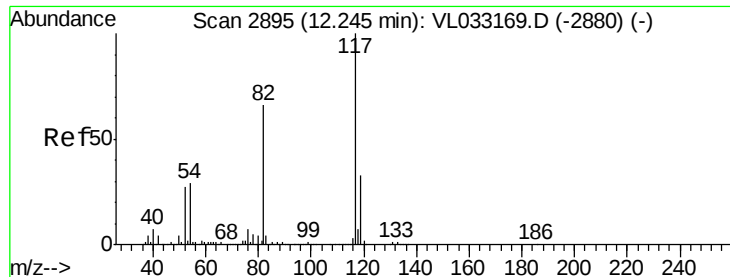
Tgt Ion: 107 Resp: 1149831

Ion Ratio Lower Upper

107 100

109 92.7 73.2 109.8

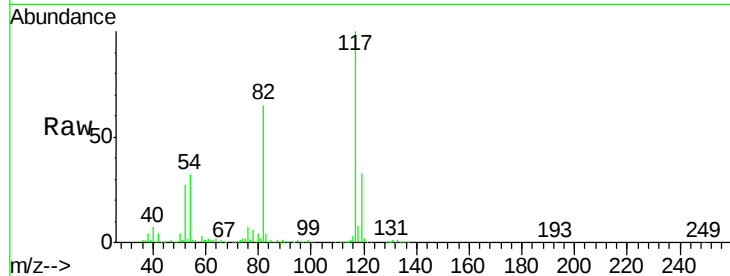




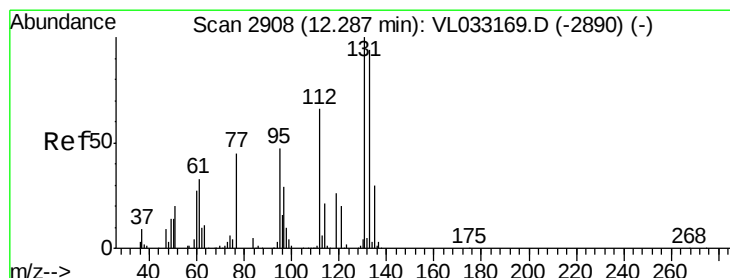
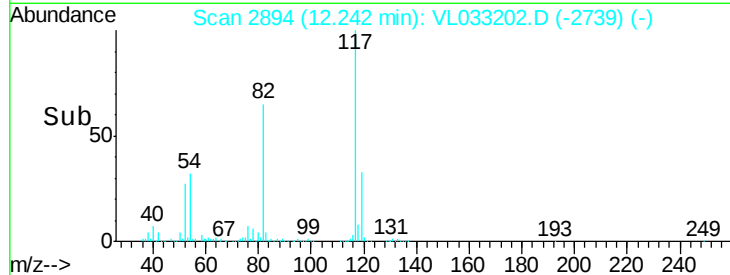
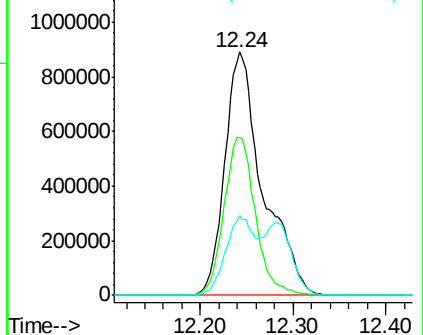
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tgt Ion:117 Resp: 2539143

Ion	Ratio	Lower	Upper
117	100		
82	53.5	49.5	74.3
119	26.0	24.4	36.6



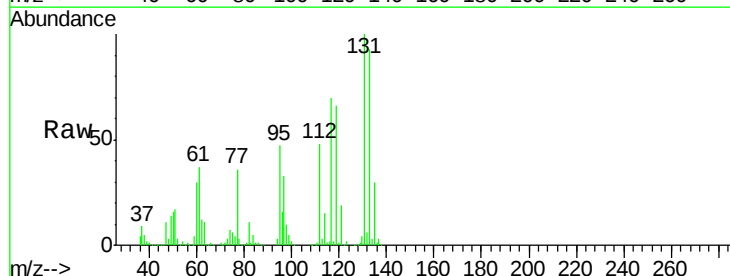
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



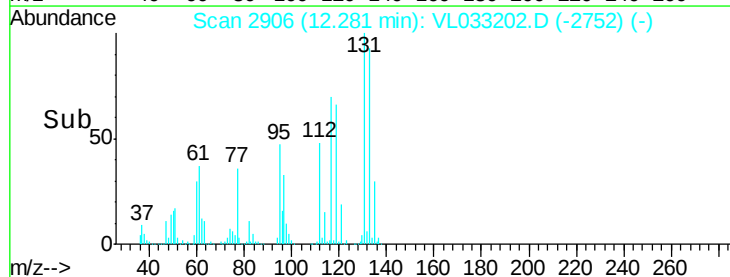
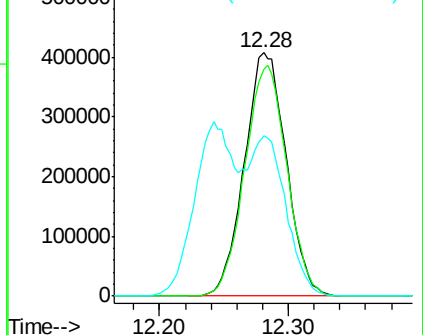
#56
1,1,1,2-Tetrachloroethane
Concen: 7.892 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

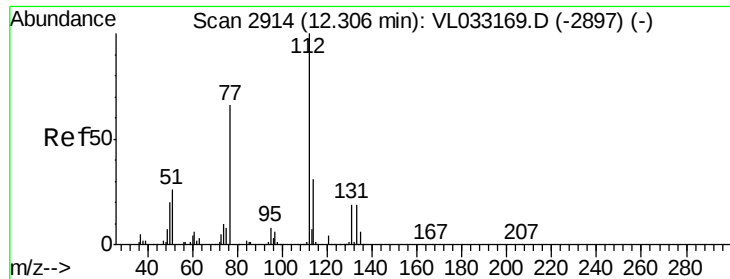
Tgt Ion:131 Resp: 919762

Ion	Ratio	Lower	Upper
131	100		
133	95.5	75.8	113.6
119	53.8	110.9	166.3#



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: 7.182 ppbv

RT: 12.30 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

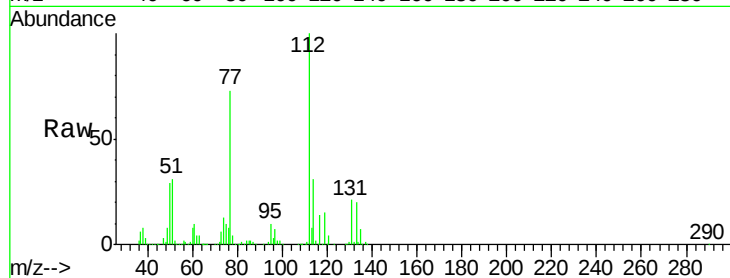
Tgt Ion: 112 Resp: 1592189

Ion Ratio Lower Upper

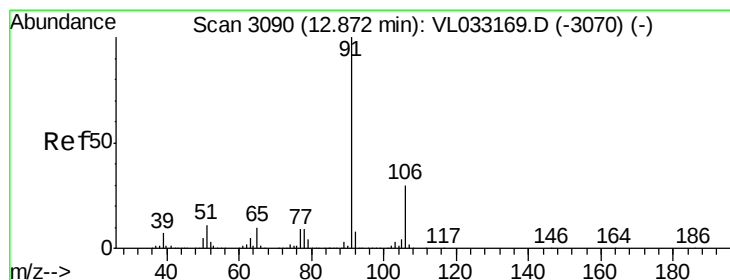
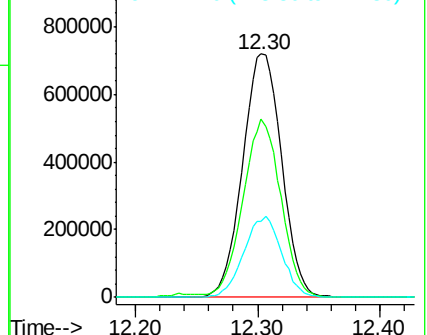
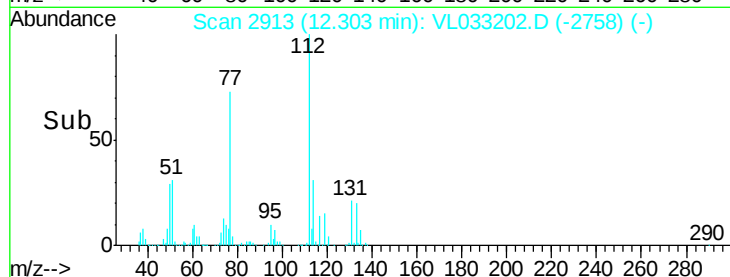
112 100

77 72.9 54.0 81.0

114 31.3 27.9 34.1



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: 7.262 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.00 min

Lab File: VL033202.D

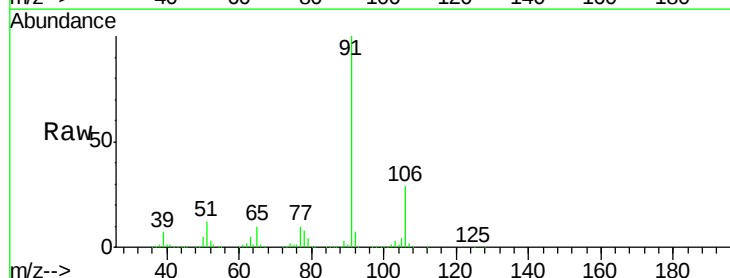
Acq: 14 Feb 2019 17:01

Tgt Ion: 91 Resp: 2984388

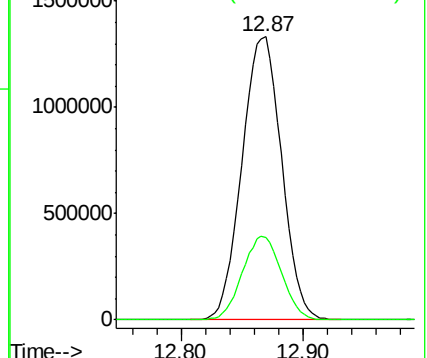
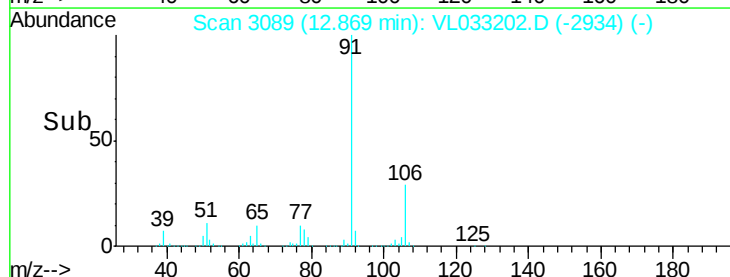
Ion Ratio Lower Upper

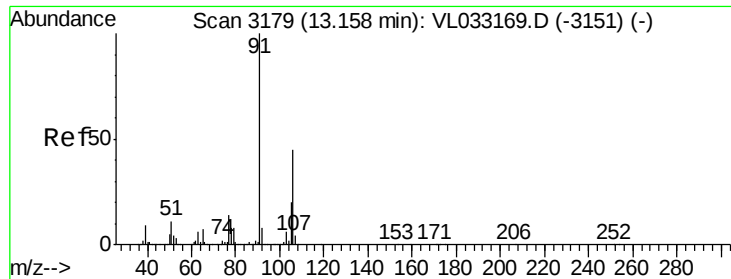
91 100

106 29.0 23.8 35.8



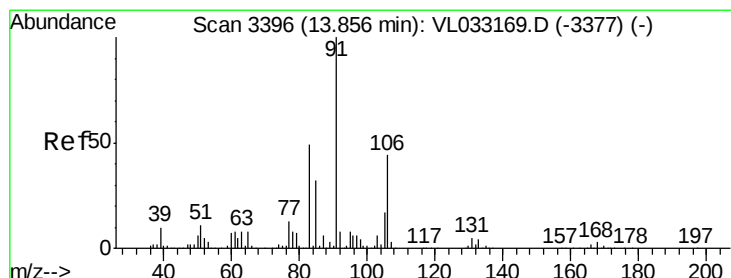
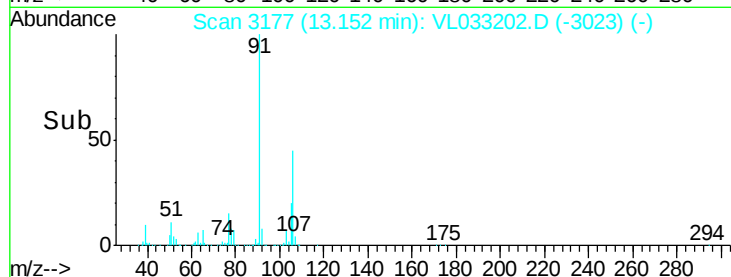
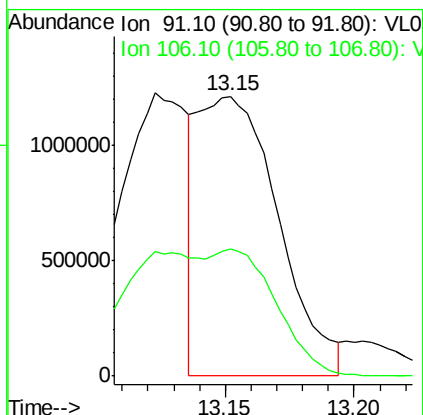
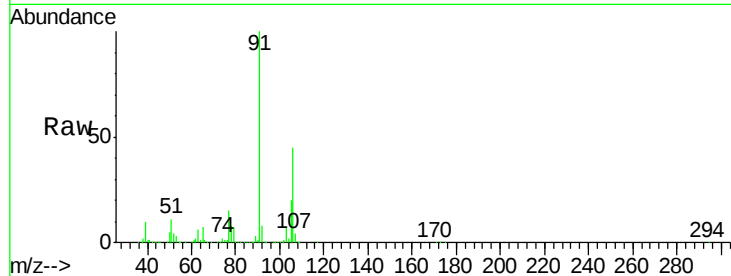
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





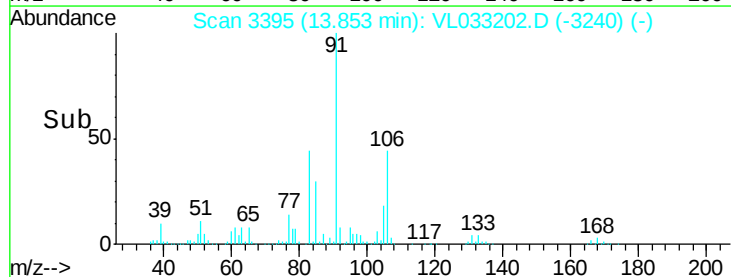
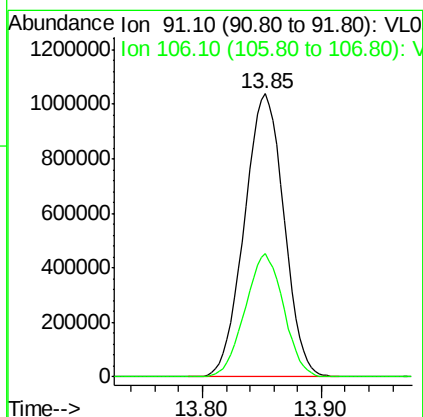
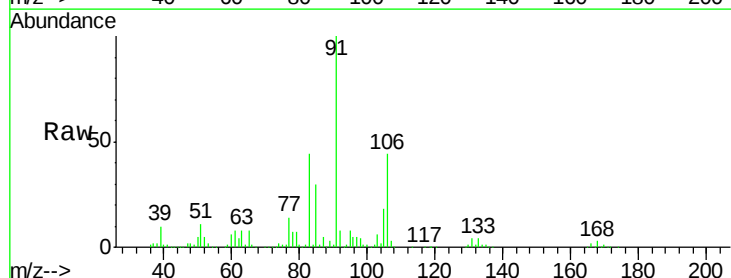
#59
m/p-Xylene
Concen: 7.651 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.01 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

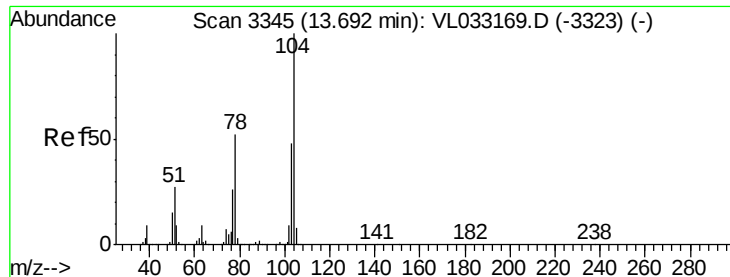
Tgt Ion: 91 Resp: 2623806
Ion Ratio Lower Upper
91 100
106 83.3 0.0 0.0#



#60
o-Xylene
Concen: 7.181 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

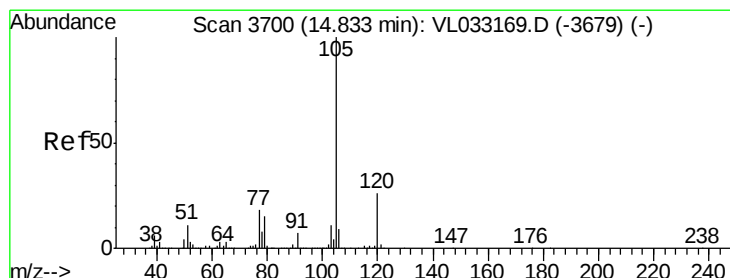
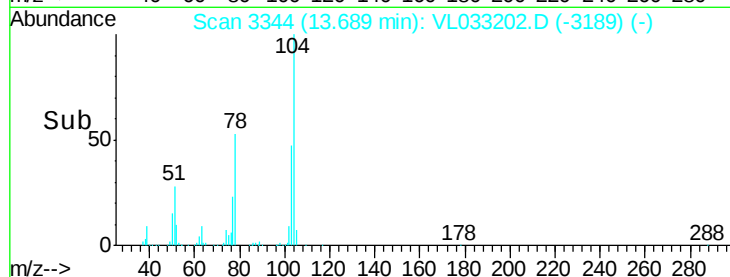
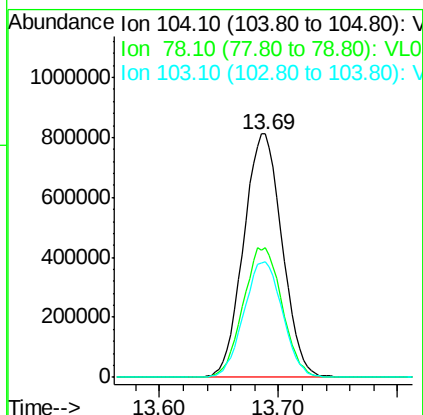
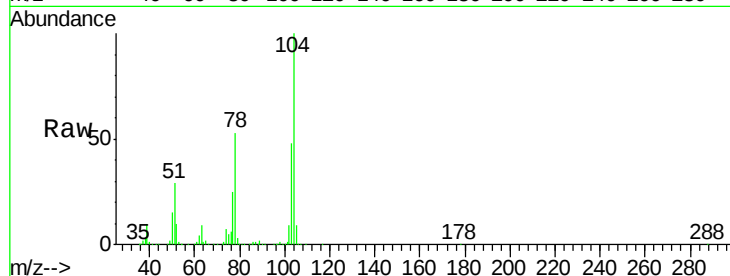
Tgt Ion: 91 Resp: 2394817
Ion Ratio Lower Upper
91 100
106 42.5 21.8 65.3





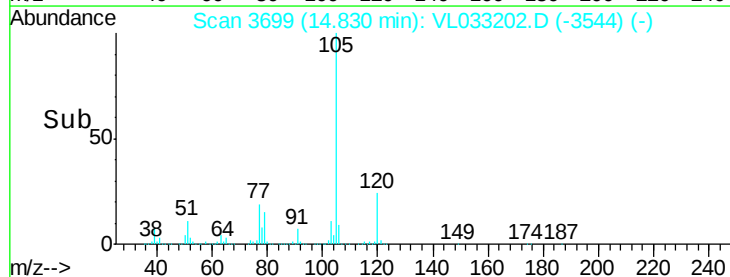
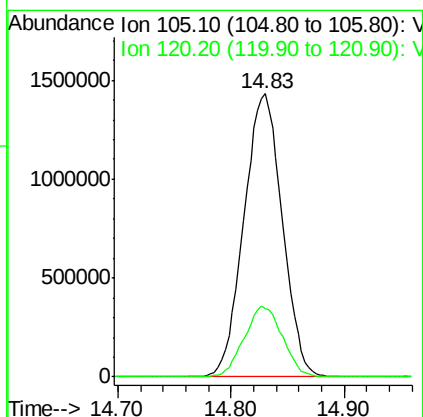
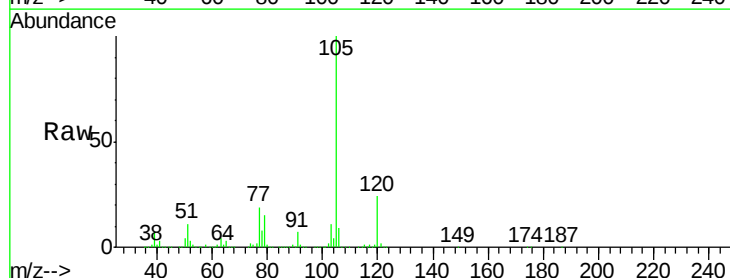
#61
Styrene
Concen: 7.220 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

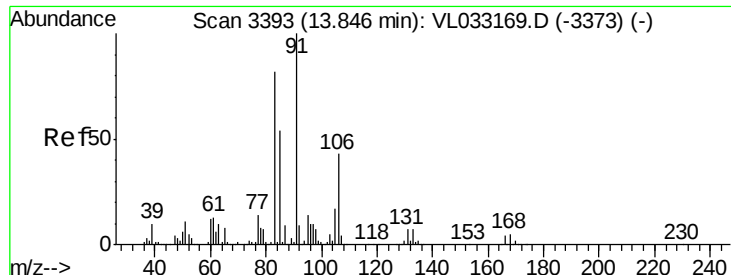
Tgt Ion:104 Resp: 1816330
Ion Ratio Lower Upper
104 100
78 54.0 41.9 62.9
103 47.8 37.9 56.9



#62
Isopropylbenzene
Concen: 7.175 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

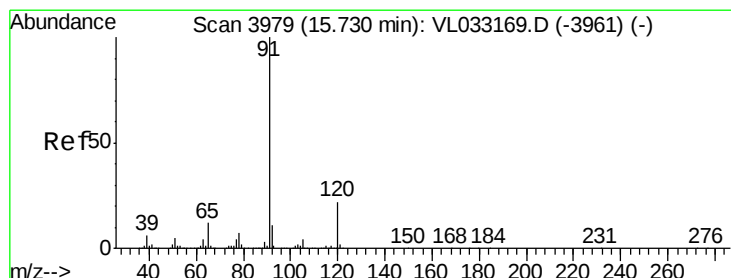
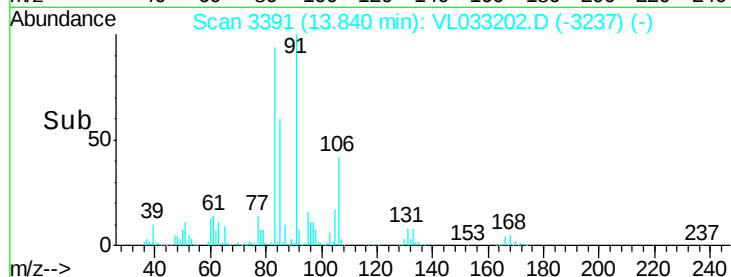
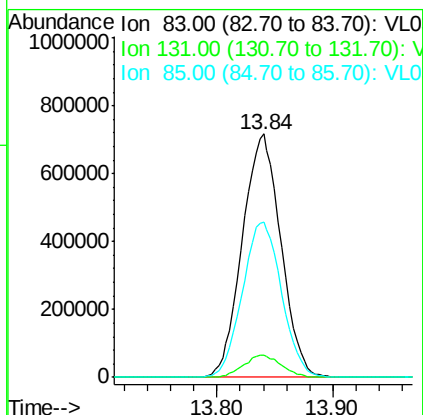
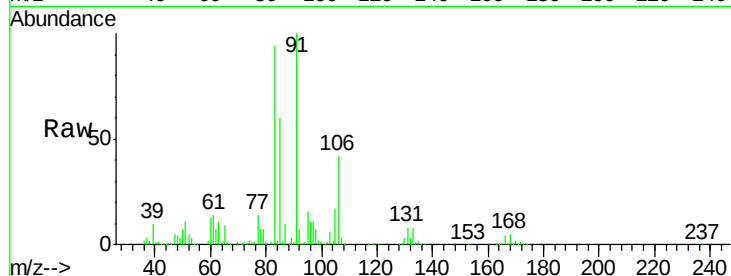
Tgt Ion:105 Resp: 3375128
Ion Ratio Lower Upper
105 100
120 24.9 20.3 30.5





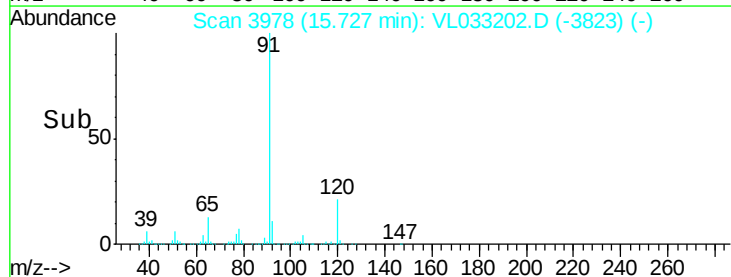
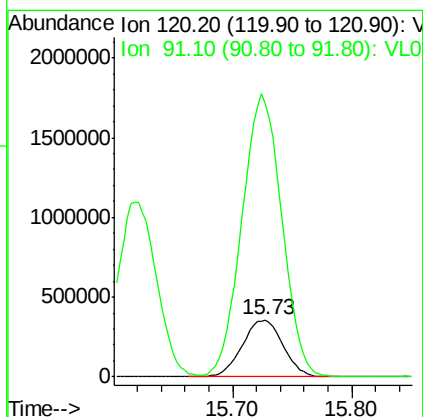
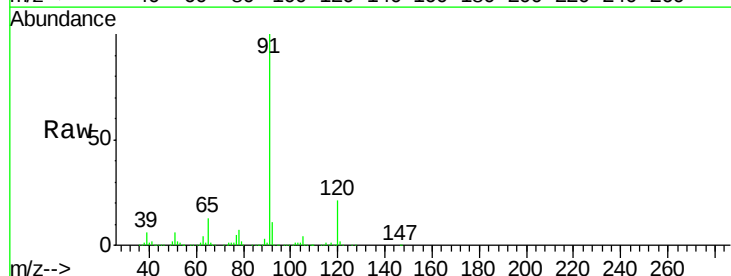
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.334 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. -0.01 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

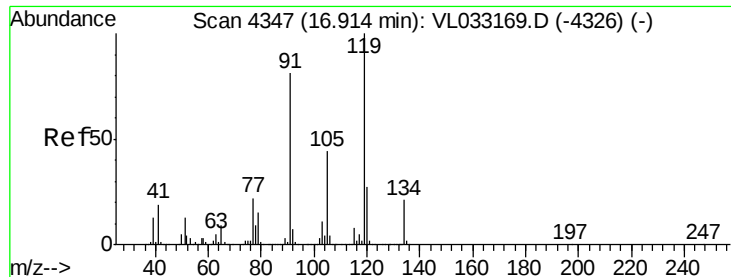
Tgt Ion: 83 Resp: 1659621
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.8 14.3
 85 64.9 32.8 98.3



#64
 n-propylbenzene
 Concen: 7.066 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. -0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

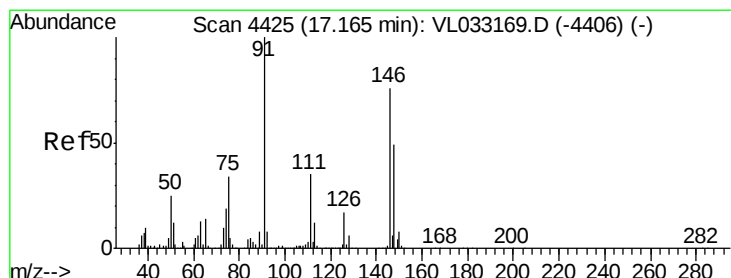
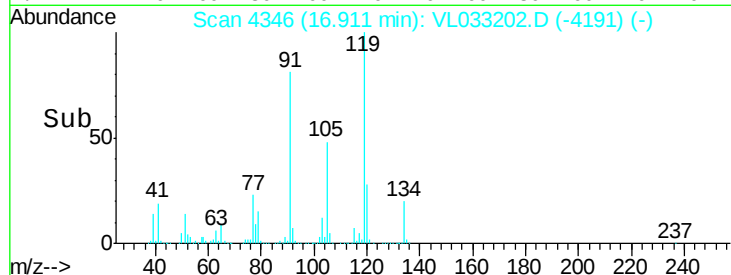
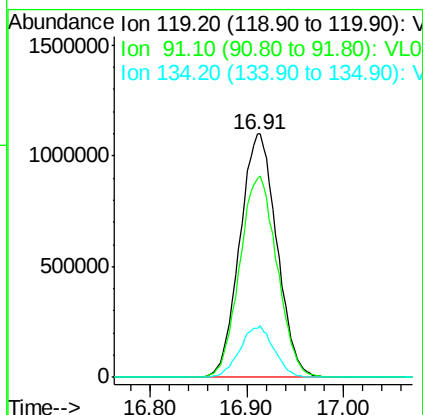
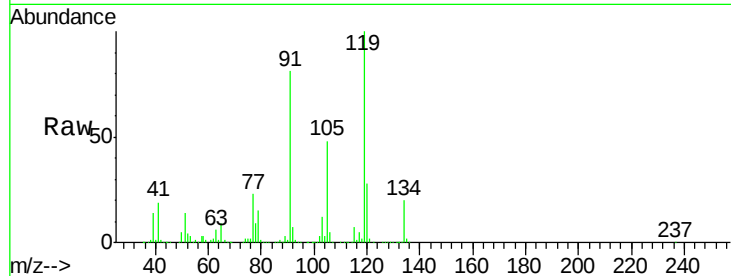
Tgt Ion: 120 Resp: 844809
 Ion Ratio Lower Upper
 120 100
 91 489.4 383.9 575.9





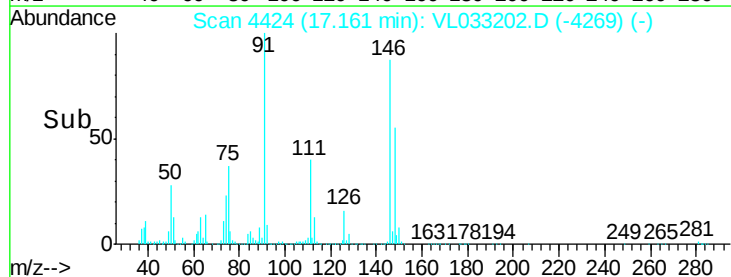
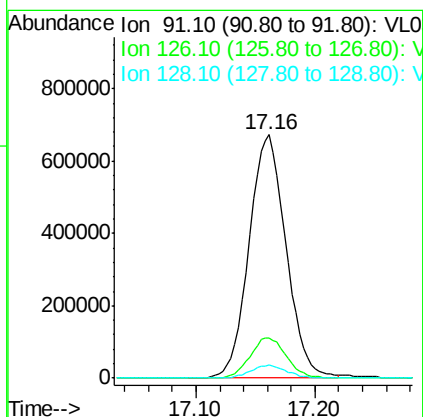
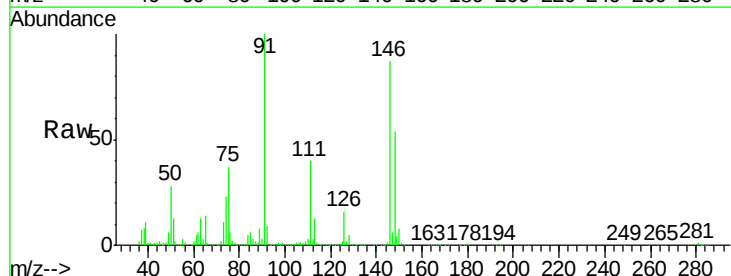
#65
 tert-Butylbenzene
 Concen: 7.114 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

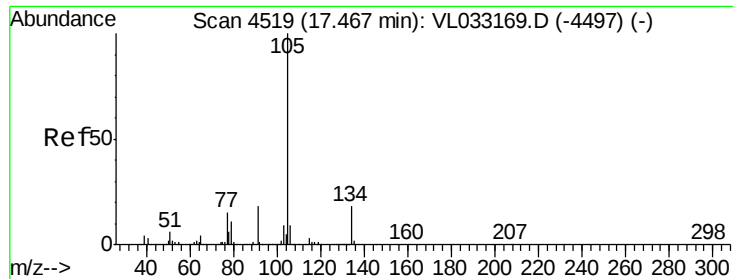
Tgt Ion: 119 Resp: 2914281
 Ion Ratio Lower Upper
 119 100
 91 83.7 65.7 98.5
 134 19.4 15.8 23.6



#66
 Benzyl Chloride
 Concen: 9.927 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

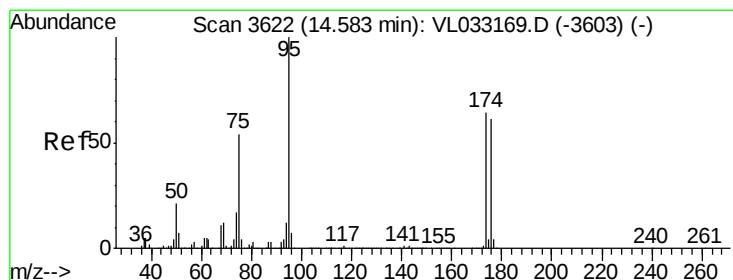
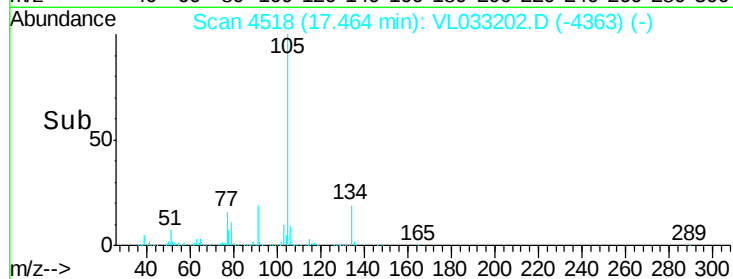
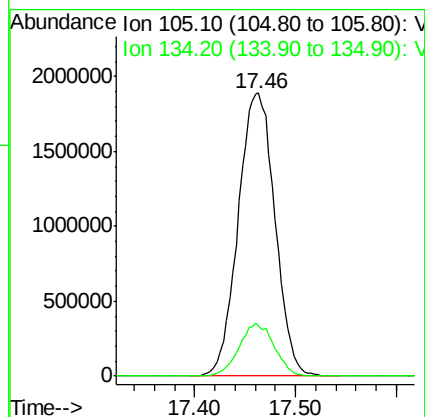
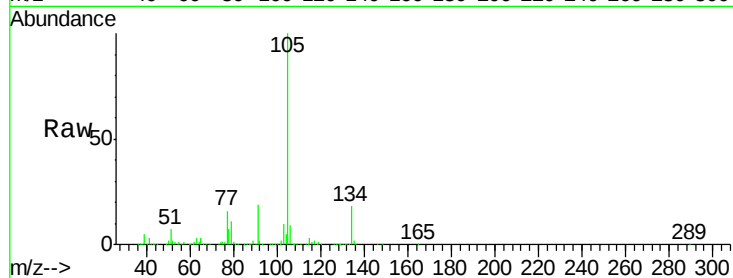
Tgt Ion: 91 Resp: 1443727
 Ion Ratio Lower Upper
 91 100
 126 16.5 13.8 20.6
 128 5.3 4.5 6.7





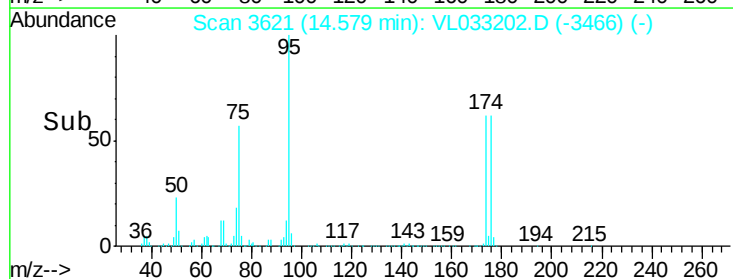
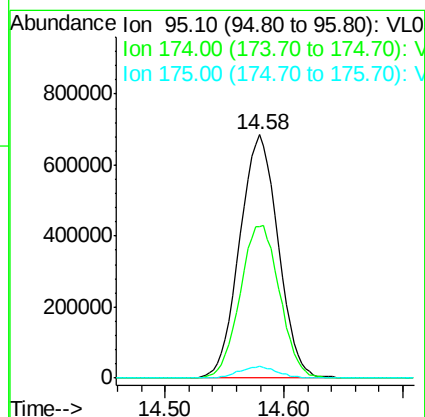
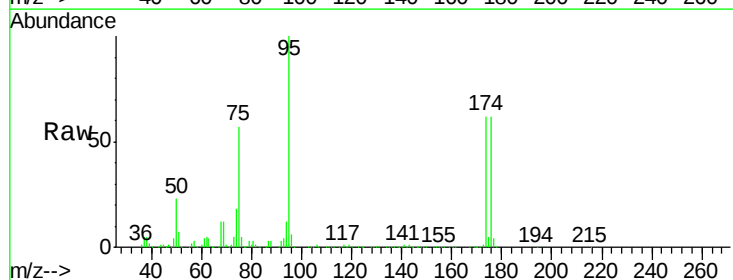
#67
 sec-Butylbenzene
 Concen: 8.006 ppbv
 RT: 17.46 min Scan# 4518
 Delta R.T. -0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

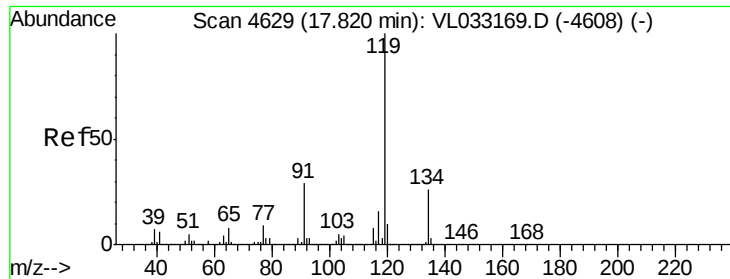
Tgt Ion: 105 Resp: 4761113
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.860 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

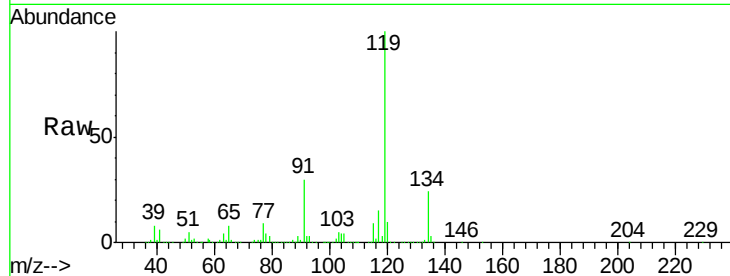
Tgt Ion: 95 Resp: 1537123
 Ion Ratio Lower Upper
 95 100
 174 64.6 51.2 76.8
 175 4.6 3.8 5.6



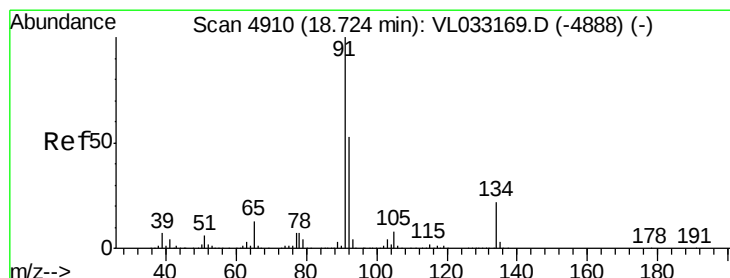
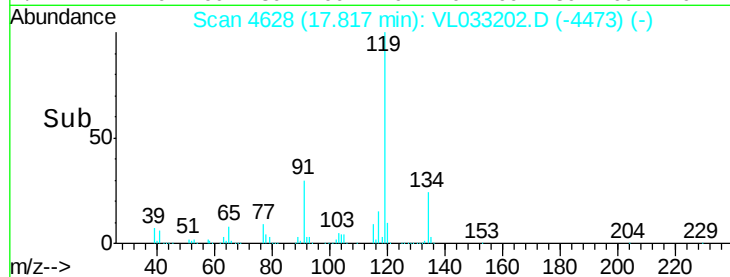
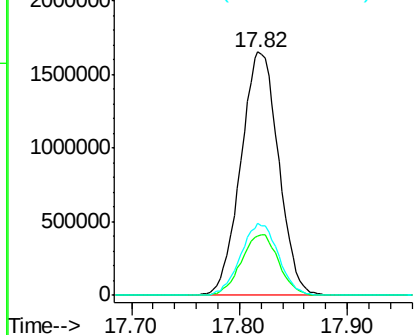


#69
 p-Isopropyltoluene
 Concen: 8.112 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tgt Ion: 119 Resp: 4018046
 Ion Ratio Lower Upper
 119 100
 134 24.7 20.4 30.6
 91 29.5 23.4 35.2

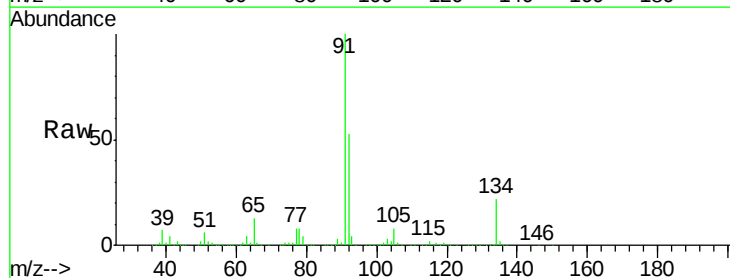


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

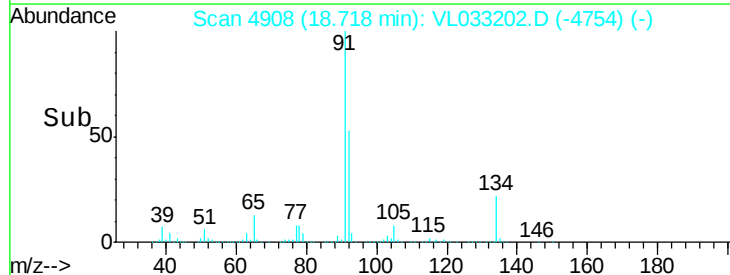
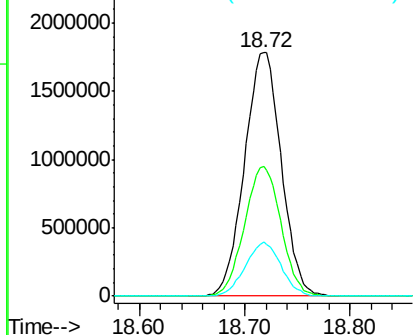


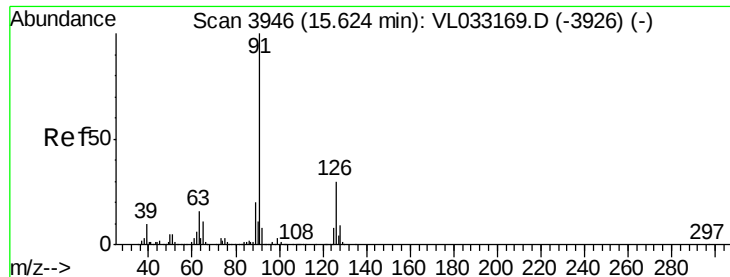
#70
 n-Butylbenzene
 Concen: 8.091 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.01 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tgt Ion: 91 Resp: 4324170
 Ion Ratio Lower Upper
 91 100
 92 53.1 43.0 64.4
 134 21.6 17.5 26.3



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: 7.031 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.01 min

Lab File: VL033202.D

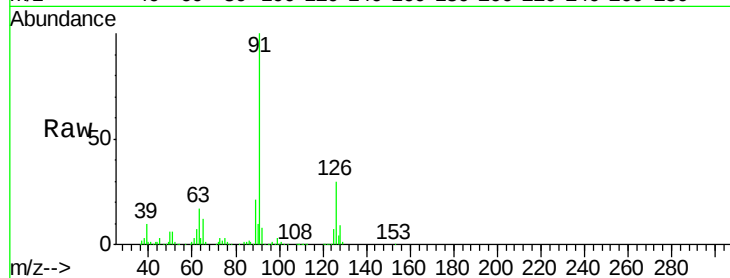
Acq: 14 Feb 2019 17:01

Tgt Ion: 91 Resp: 2598645

Ion Ratio Lower Upper

91 100

126 28.9 11.8 47.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

1000000

500000

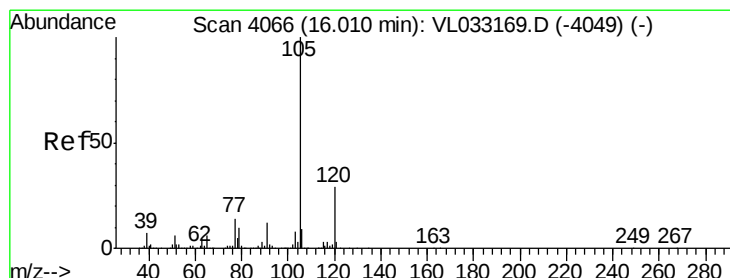
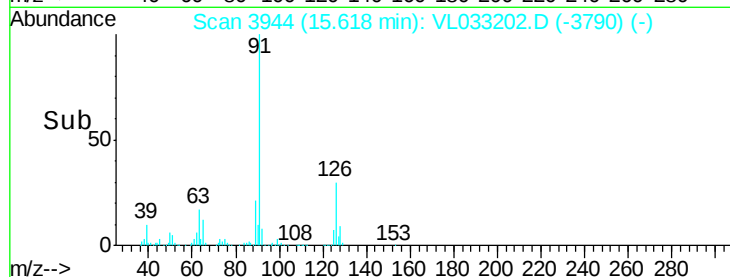
0

15.50

15.60

15.70

Time-->



#72

4-Ethyltoluene

Concen: 7.157 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 105 Resp: 2751327

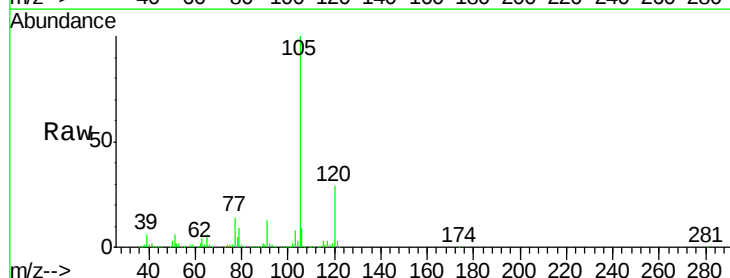
Ion Ratio Lower Upper

105 100

120 28.8 23.1 34.7

91 12.9 9.8 14.6

77 13.9 10.9 16.3



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

1500000

1000000

500000

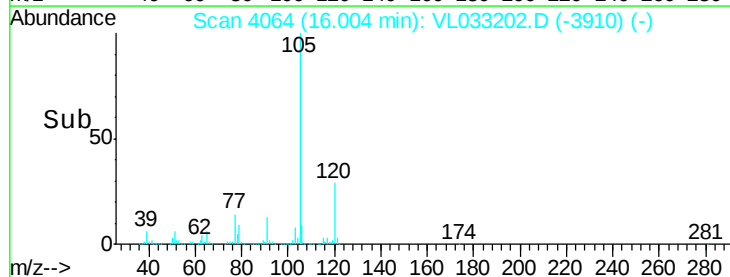
0

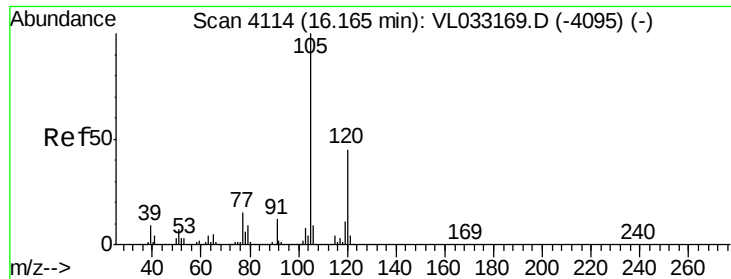
15.90

16.00

16.10

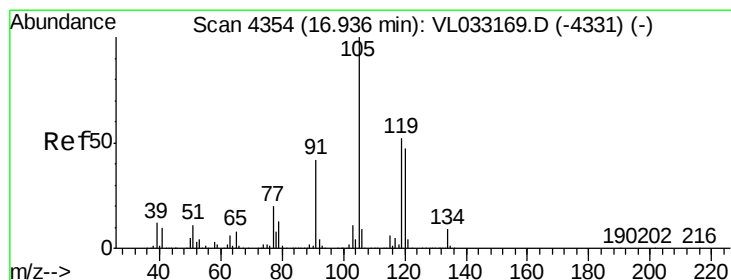
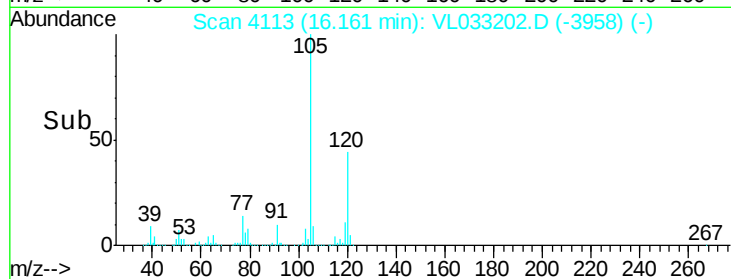
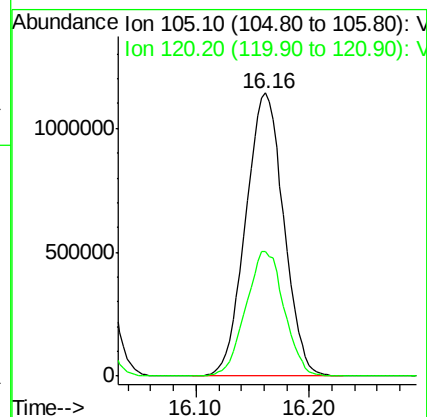
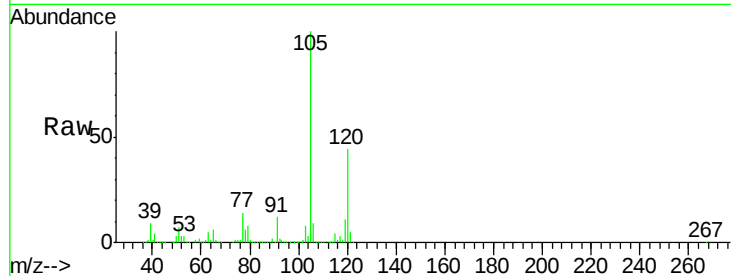
Time-->





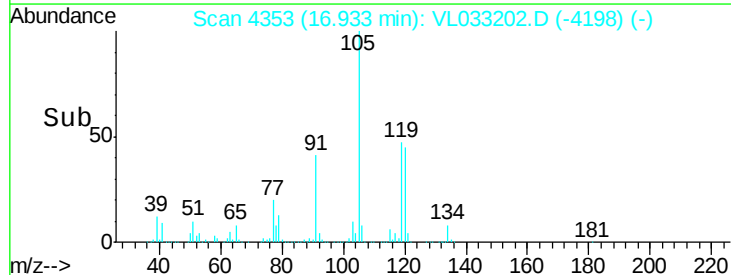
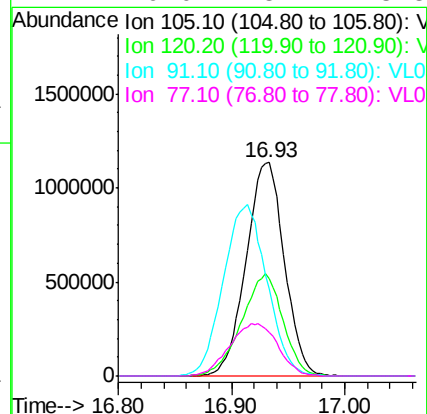
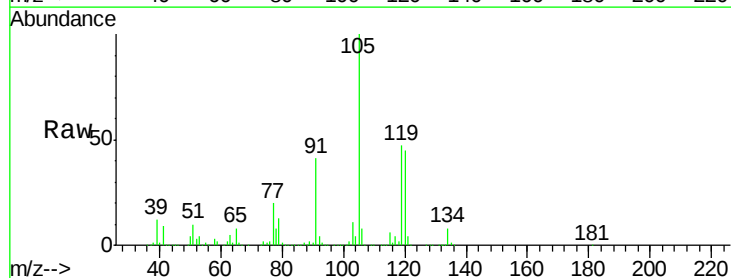
#73
 1,3,5-Trimethylbenzene
 Concen: 7.247 ppbv
 RT: 16.16 min Scan# 4113
 Delta R.T. -0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

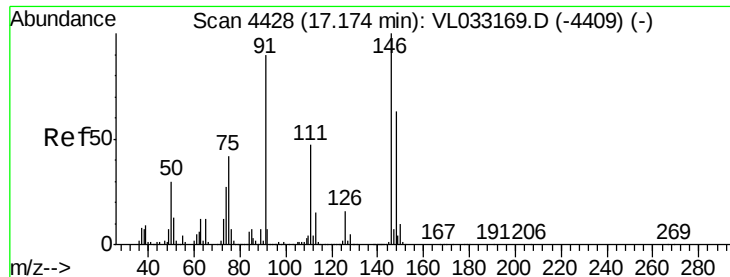
Tgt Ion:105 Resp: 2664210
 Ion Ratio Lower Upper
 105 100
 120 43.9 36.2 54.4



#74
 1,2,4-Trimethylbenzene
 Concen: 6.984 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tgt Ion:105 Resp: 2664699
 Ion Ratio Lower Upper
 105 100
 120 45.3 37.9 56.9
 91 40.7 34.0 51.0
 77 20.0 15.7 23.5





#75

1,3-Dichlorobenzene

Concen: 6.991 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

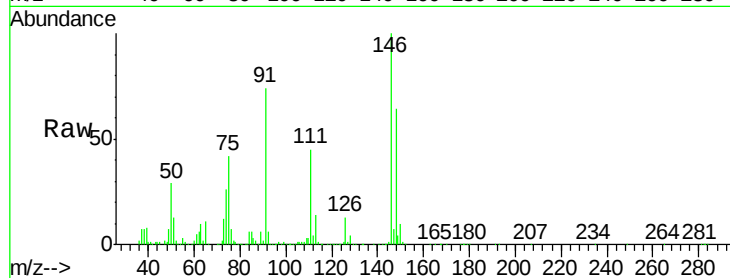
Tgt Ion:146 Resp: 1538123

Ion Ratio Lower Upper

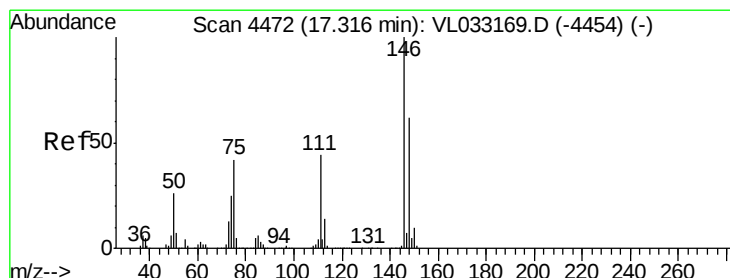
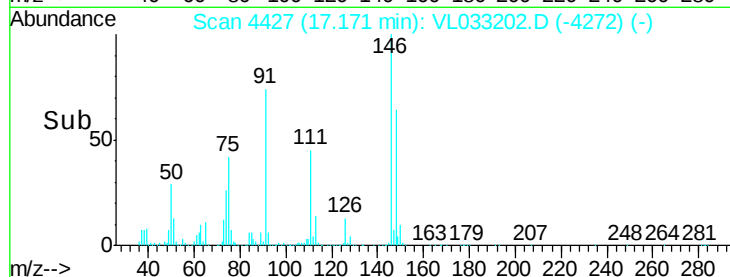
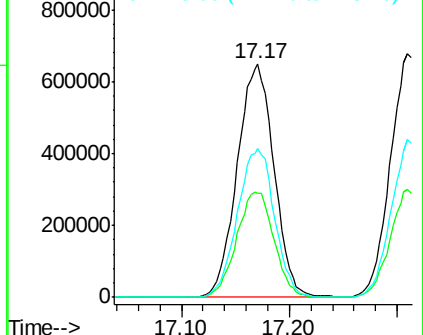
146 100

111 45.8 23.2 69.6

148 64.4 31.8 95.4



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: 7.158 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

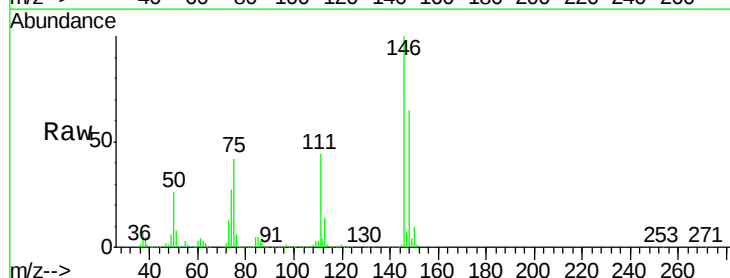
Tgt Ion:146 Resp: 1559856

Ion Ratio Lower Upper

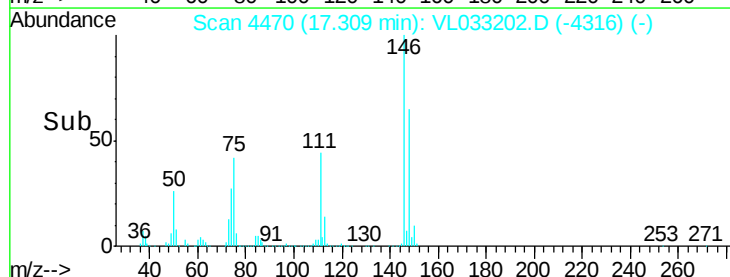
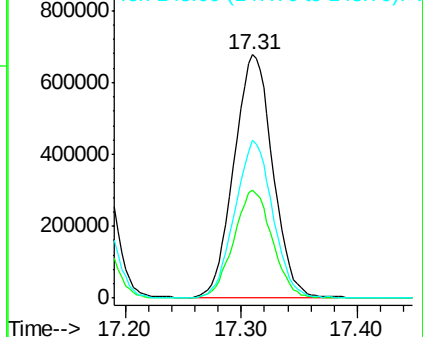
146 100

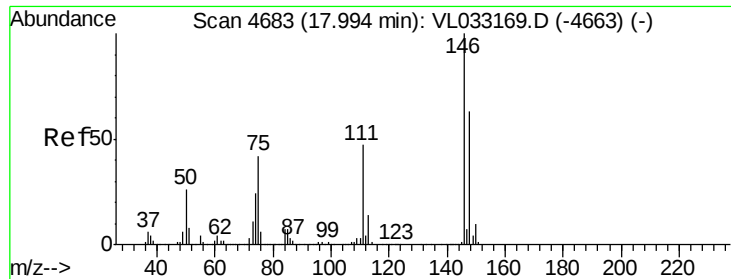
111 44.0 22.4 67.0

148 64.0 31.9 95.9



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





#77

1,2-Dichlorobenzene

Concen: 8.210 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

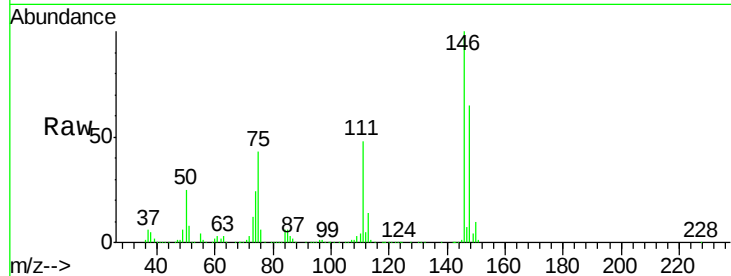
Tgt Ion:146 Resp: 1784898

Ion Ratio Lower Upper

146 100

111 46.7 23.5 70.6

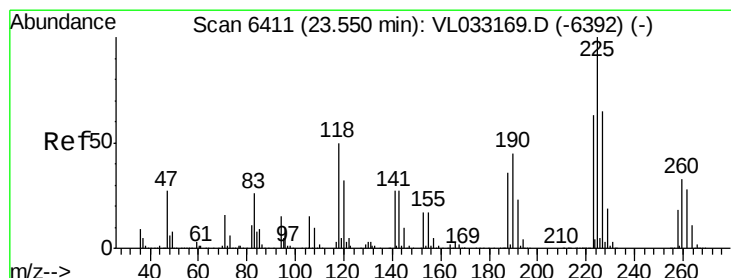
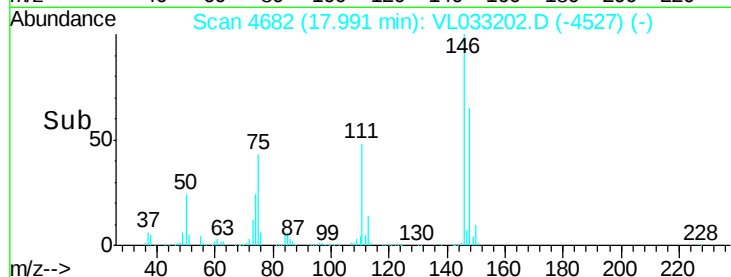
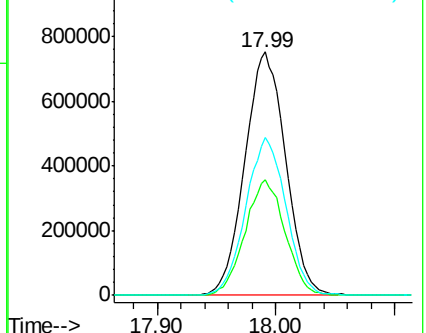
148 63.9 31.9 95.7



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: 7.948 ppbv

RT: 23.54 min Scan# 6408

Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

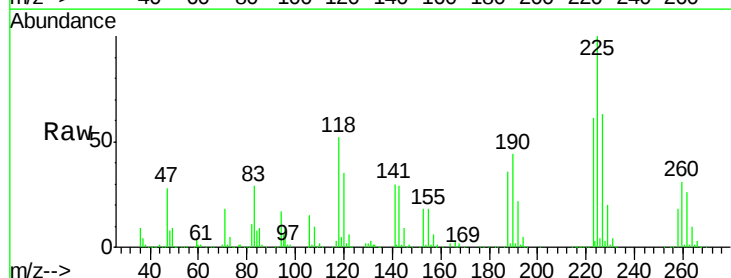
Tgt Ion:225 Resp: 860126

Ion Ratio Lower Upper

225 100

223 61.9 50.6 75.8

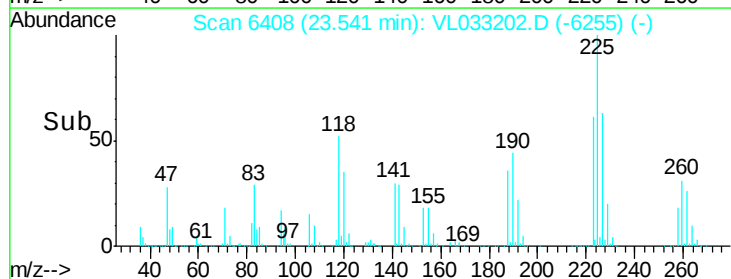
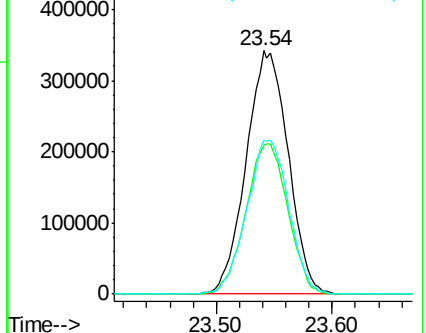
227 63.6 51.4 77.2

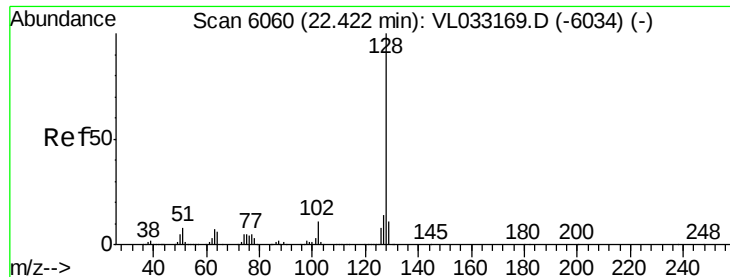


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

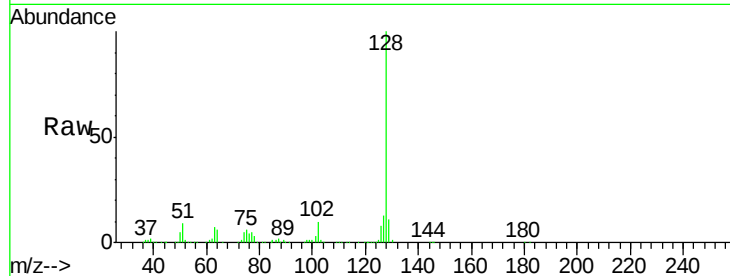




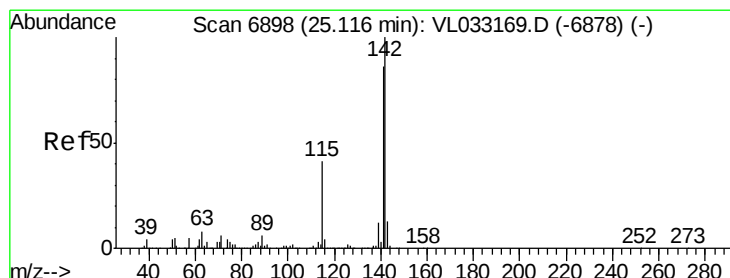
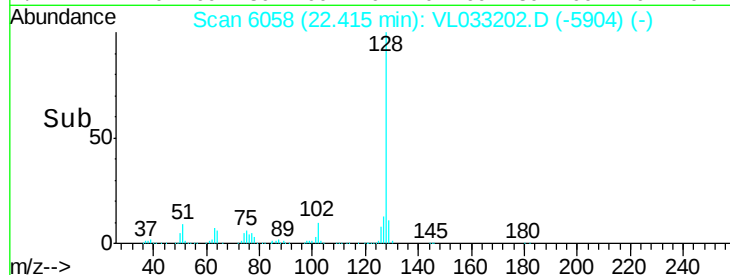
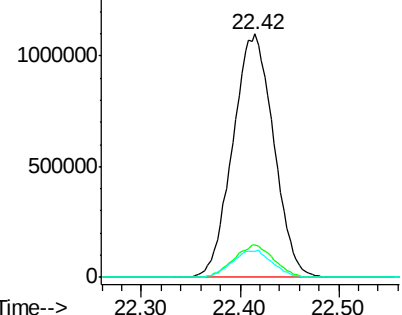
#79
Naphthalene
Concen: 7.665 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tgt Ion:128 Resp: 3142221

Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.4
129	10.8	8.6	12.8



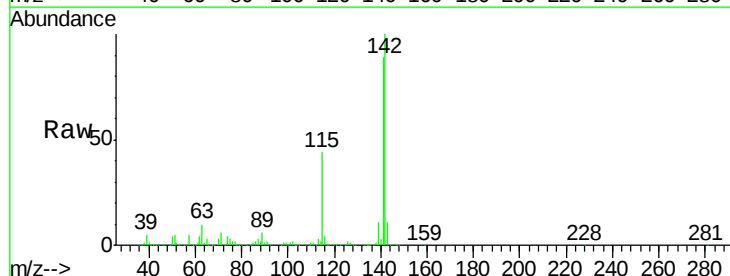
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



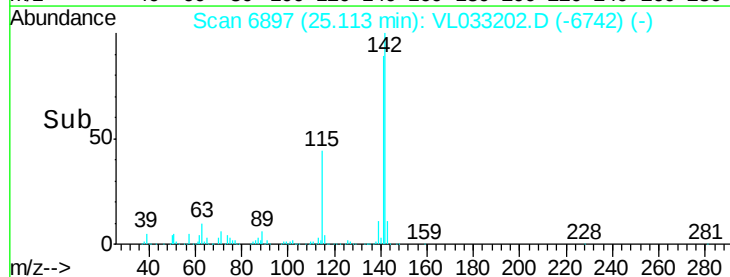
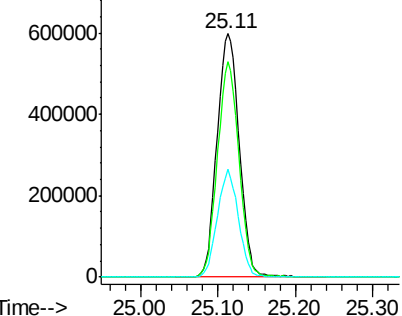
#80
Naphthalene, 2-methyl-
Concen: 5.666 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

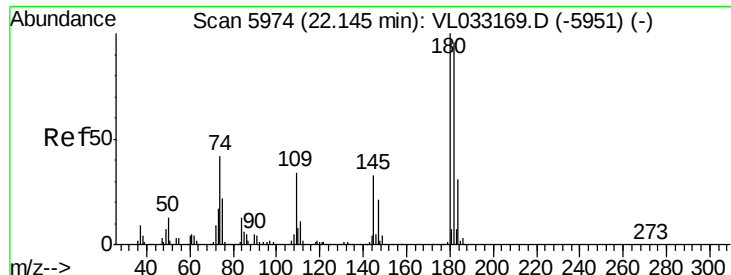
Tgt Ion:142 Resp: 1176113

Ion	Ratio	Lower	Upper
142	100		
141	85.5	67.7	101.5
115	42.1	32.7	49.1



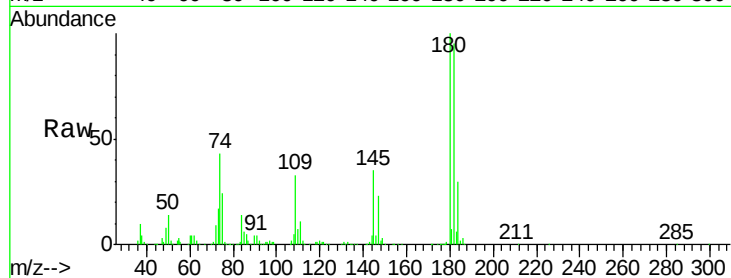
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.462 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.01 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tgt Ion:180 Resp: 1554236
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.8 113.8
 184 30.3 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

