

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033209.D
 Acq On : 14 Feb 2019 22:16
 Operator : SY/AP
 Sample : K1483-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 21 01:03:17 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019

QLast Update : Wed Feb 20 06:00:52 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	956048	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2168643	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2208433	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1749840	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

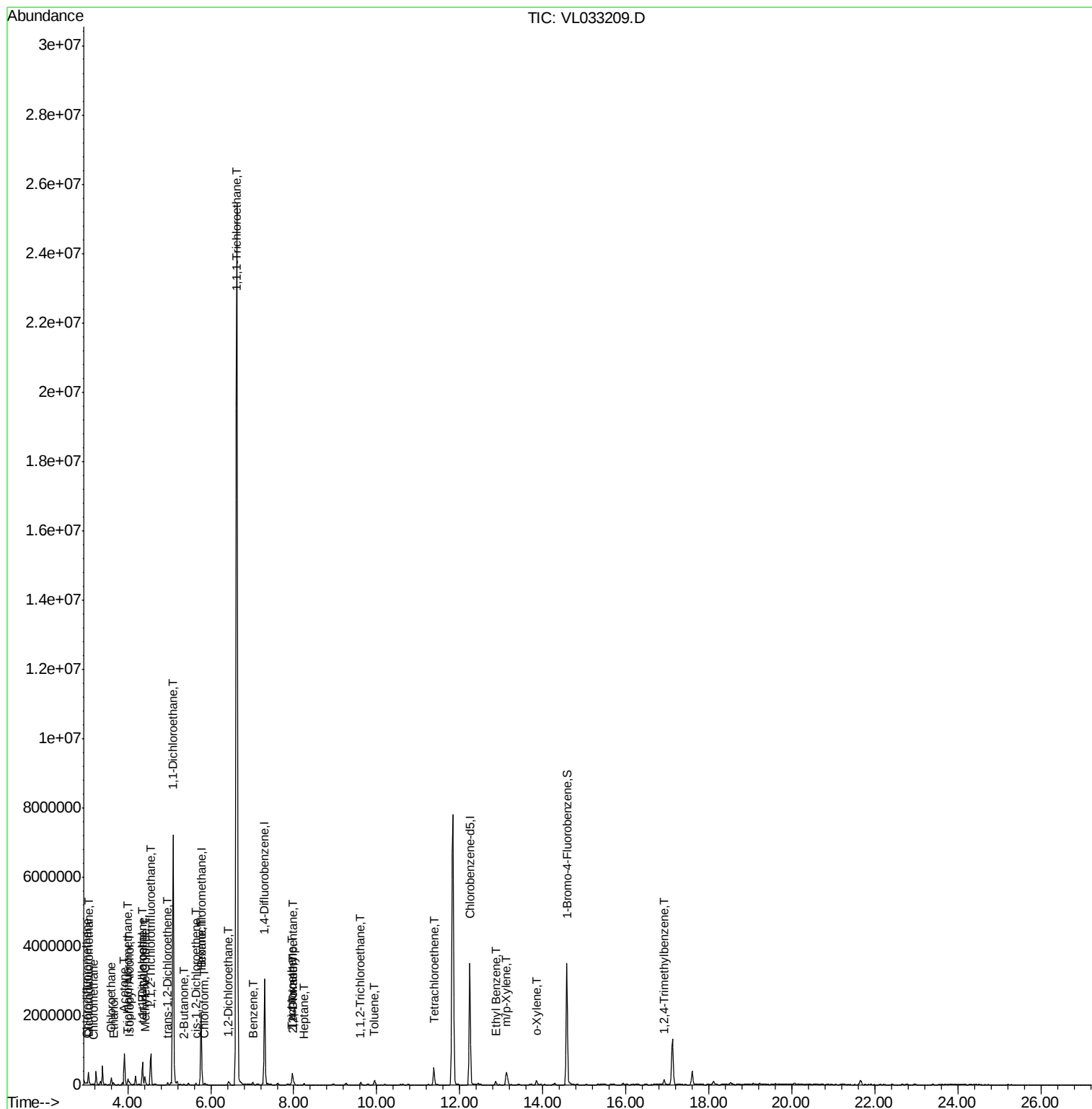
Target Compounds

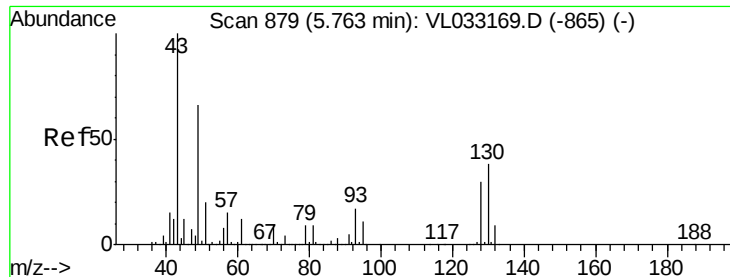
						Ovalue
2) Dichlorodifluoromethane	3.08	85	29395	0.161	ppbv	95
3) Chlorodifluoromethane	3.01	51	36877	0.320	ppbv	94
4) Chloromethane	3.17	50	7522	0.124	ppbv	91
7) Chloroethane	3.60	64	127895	6.164	ppbv	97
10) Heptane	8.26	43	16418	0.098	ppbv	93
11) Trichlorofluoromethane	4.00	101	115134	0.778	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.55	101	321744	3.137	ppbv	99
13) Ethanol	3.66	45	54433	2.880	ppbv	97
15) Acetone	3.91	43	696974	6.471	ppbv #	86
17) tert-Butyl alcohol	4.37	59	49906	2.412	ppbv	98
18) 1,1-Dichloroethene	4.35	96	184920	4.028	ppbv	99
19) Isopropyl Alcohol	4.03	45	84688	1.159	ppbv #	1
20) Methylene Chloride	4.41	84	75565	1.764	ppbv #	86
22) trans-1,2-Dichloroethene	4.96	96	18722	0.420	ppbv #	83
24) 1,1-Dichloroethane	5.09	63	6454477	48.882	ppbv	98
26) Hexane	5.78	57	77052	0.678	ppbv #	41
29) Chloroform	5.85	83	29829m	0.171	ppbv	
31) cis-1,2-Dichloroethene	5.64	61	31654	0.278	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	18175502	94.741	ppbv	89
34) 2-Butanone	5.35	43	32126	0.234	ppbv	98
36) Benzene	7.01	78	45964	0.209	ppbv	96
37) 1,2-Dichloroethane	6.42	62	36122m	0.297	ppbv	
38) Trichloroethene	7.97	130	82477m	0.878	ppbv	
40) 1,4-Dioxane	7.98	88	48853m	1.585	ppbv	
44) 2,2,4-Trimethylpentane	7.99	57	67727m	0.182	ppbv	
47) 1,1,2-Trichloroethane	9.61	97	23315m	0.259	ppbv	
52) Tetrachloroethene	11.37	164	113594	1.345	ppbv	90
53) Toluene	9.95	91	85507m	0.329	ppbv	
58) Ethyl Benzene	12.87	91	92074	0.254	ppbv	89
59) m/p-Xylene	13.12	91	412278m	1.367	ppbv	
60) o-Xylene	13.85	91	99354	0.338	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	44047	0.131	ppbv #	79

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

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Qlast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

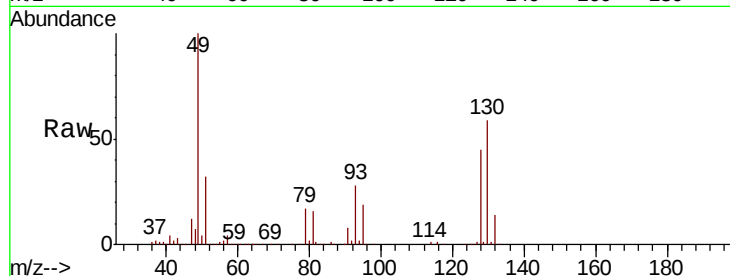
Tot Ion: 49 Resp: 956048

Ion Ratio Lower Upper

49 100

128 45.9 23.6 71.0

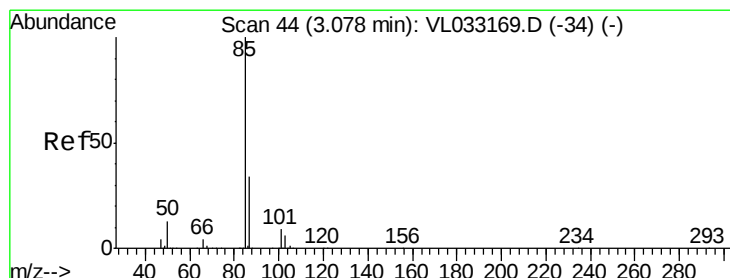
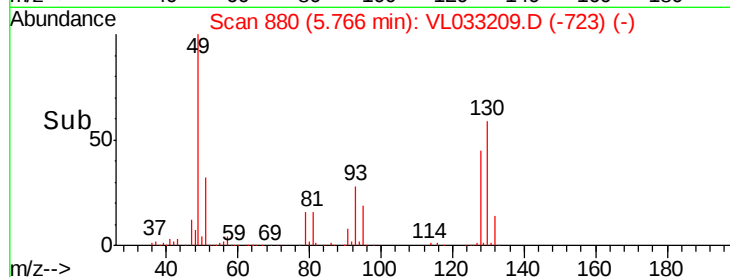
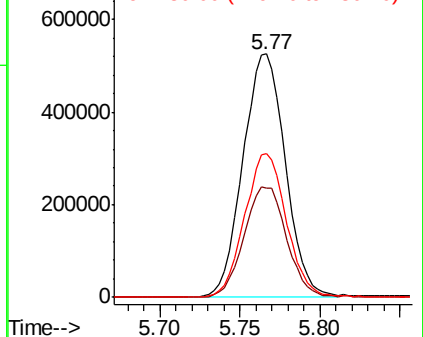
130 58.8 30.3 91.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.161 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033209.D

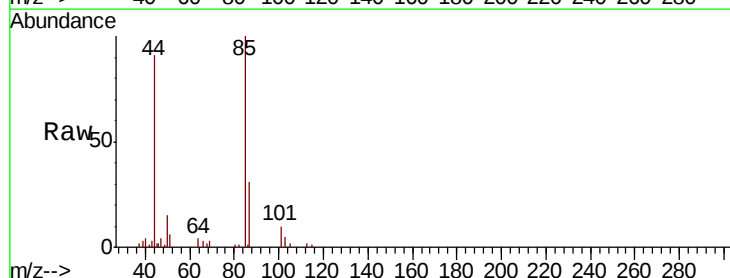
Acq: 14 Feb 2019 22:16

Tgt Ion: 85 Resp: 29395

Ion Ratio Lower Upper

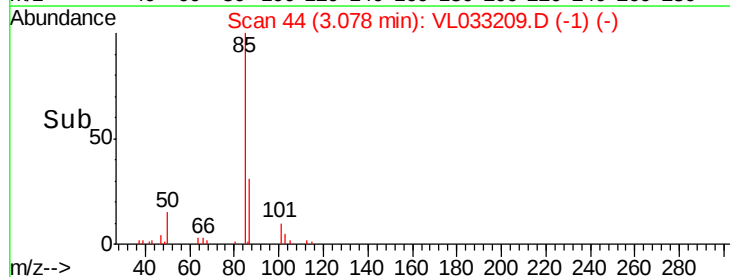
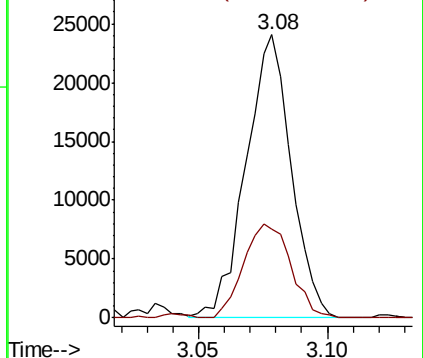
85 100

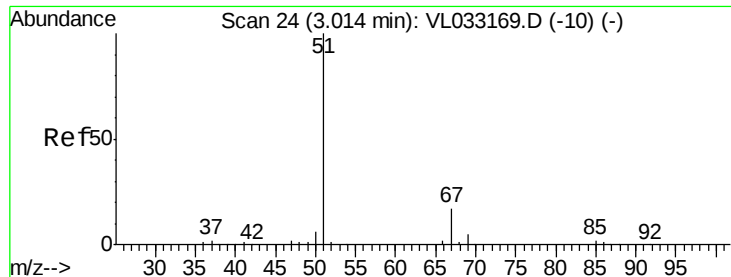
87 31.5 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.320 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.00 min

Lab File: VL033209.D

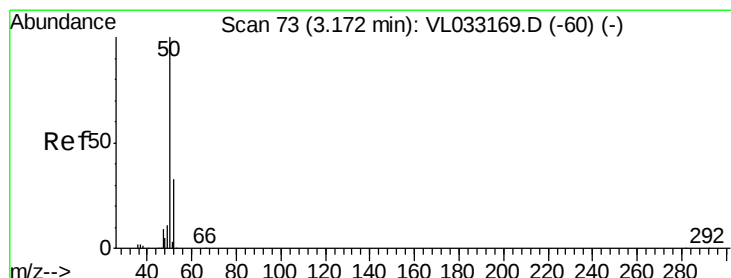
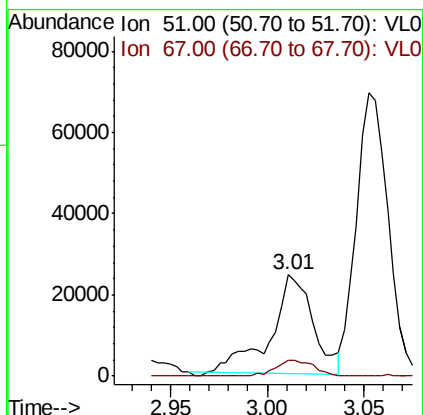
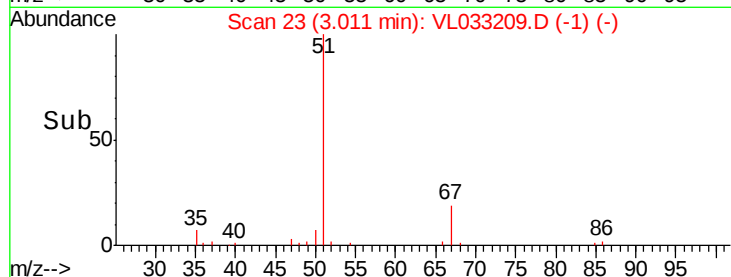
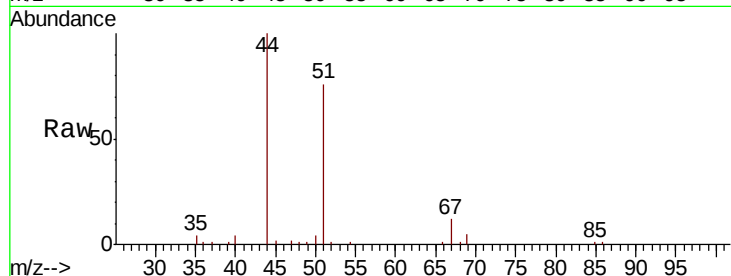
Acq: 14 Feb 2019 22:16

Tot Ion: 51 Resp: 36877

Ion Ratio Lower Upper

51 100

67 15.0 14.0 21.0



#4

Chloromethane

Concen: 0.124 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033209.D

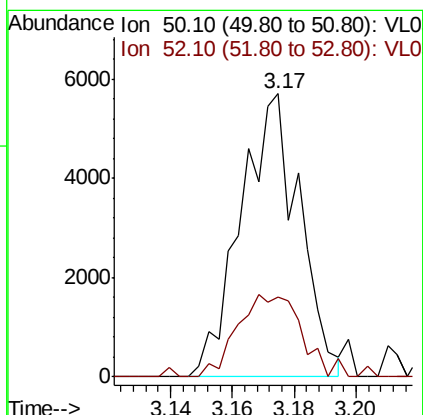
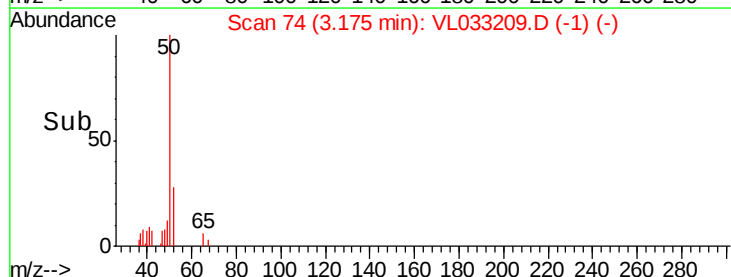
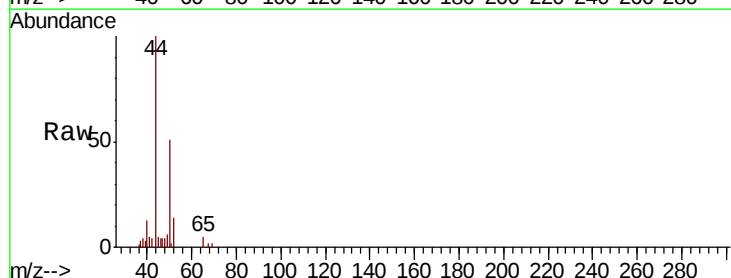
Acq: 14 Feb 2019 22:16

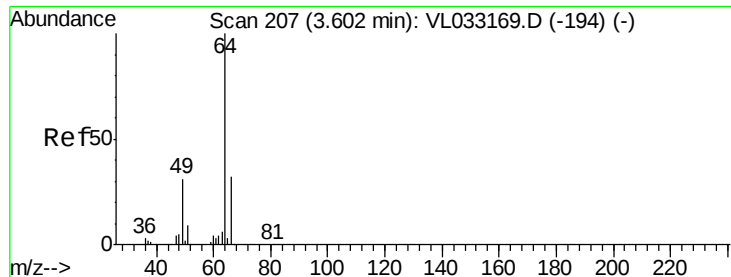
Tgt Ion: 50 Resp: 7522

Ion Ratio Lower Upper

50 100

52 28.1 26.5 39.7





#7

Chloroethane

Concen: 6.164 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033209.D

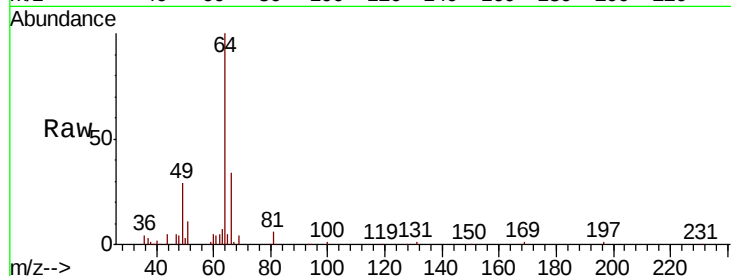
Acq: 14 Feb 2019 22:16

Tot Ion: 64 Resp: 127895

Ion Ratio Lower Upper

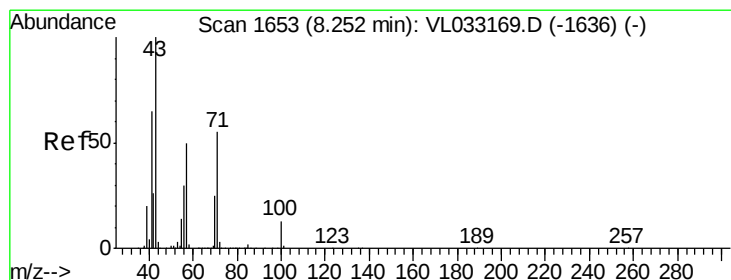
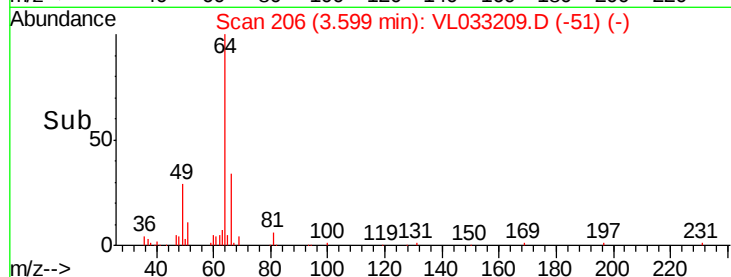
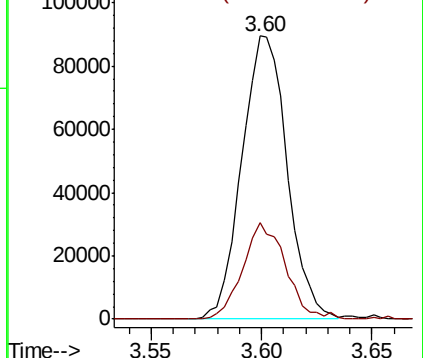
64 100

66 34.1 26.0 39.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#10

Heptane

Concen: 0.098 ppbv

RT: 8.26 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL033209.D

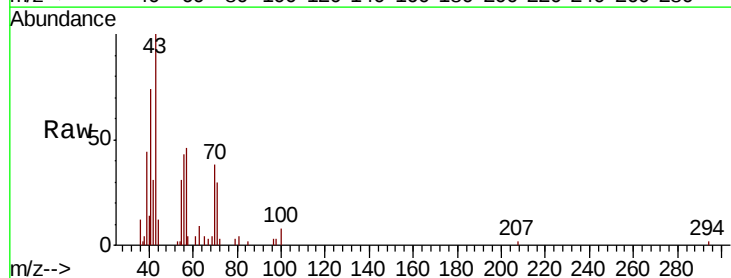
Acq: 14 Feb 2019 22:16

Tgt Ion: 43 Resp: 16418

Ion Ratio Lower Upper

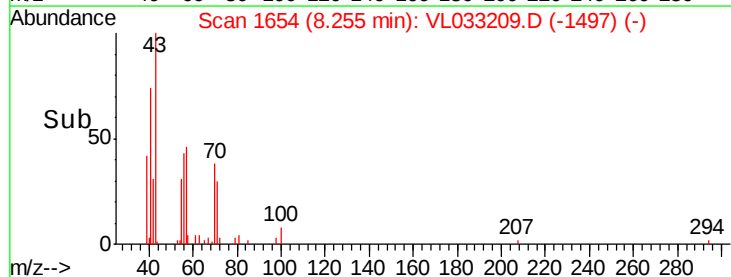
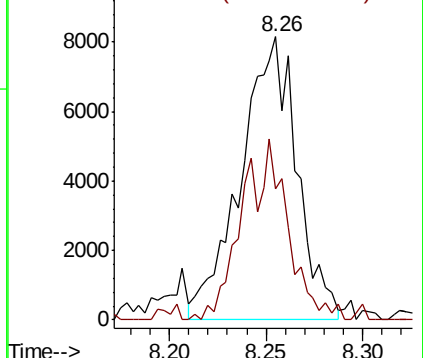
43 100

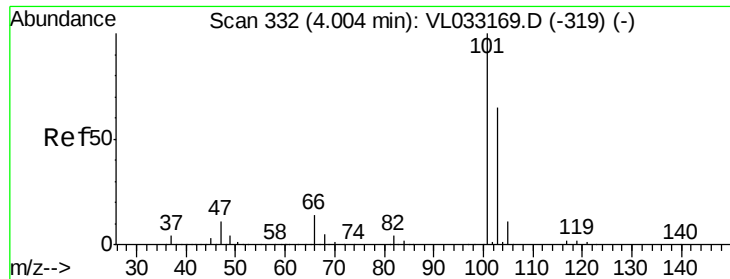
57 54.2 39.5 59.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

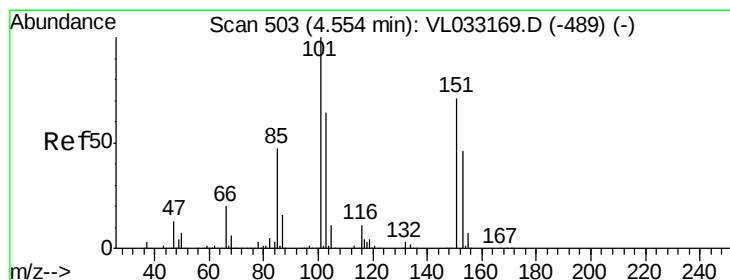
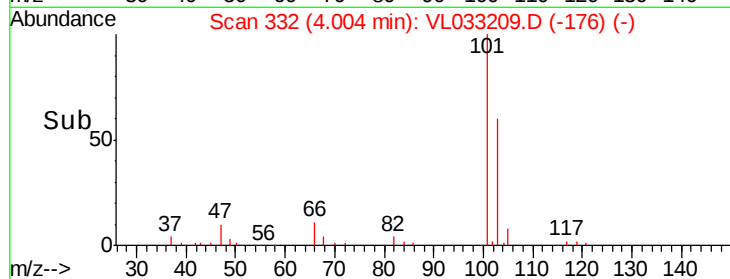
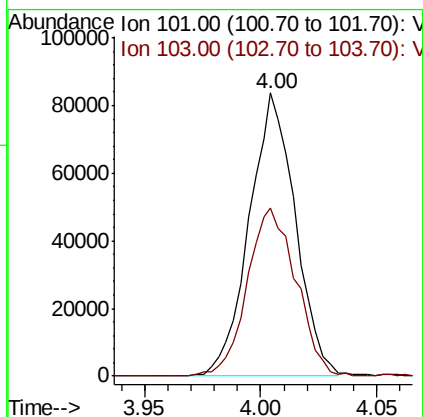
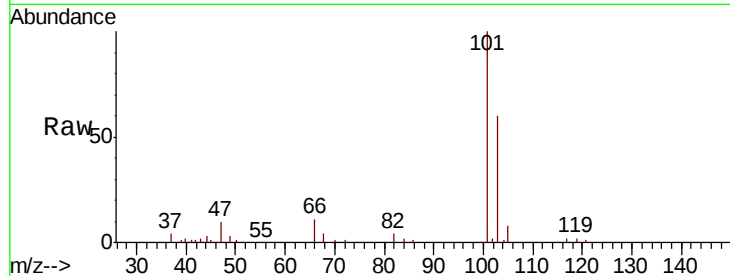
Ion 57.10 (56.80 to 57.80): VL0





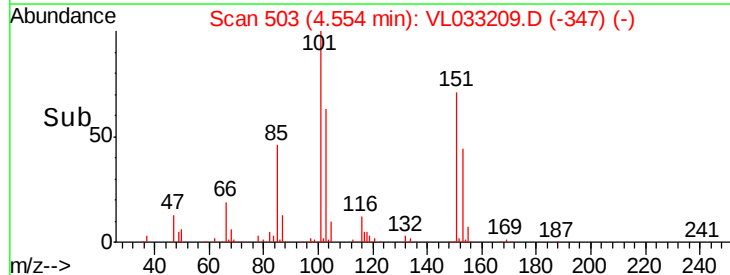
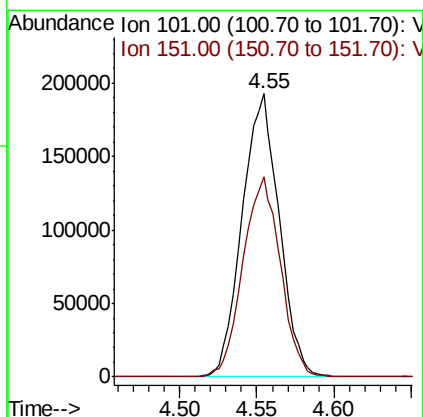
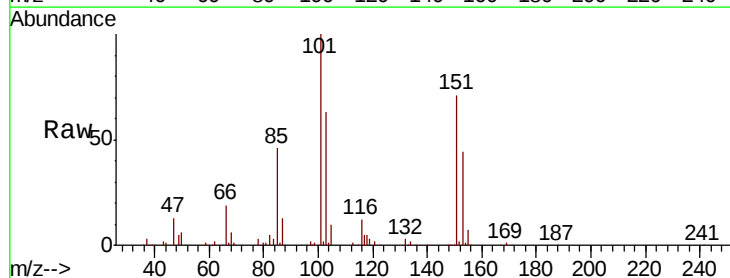
#11
 Trichlorofluoromethane
 Concen: 0.778 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033209.D
 Acq: 14 Feb 2019 22:16

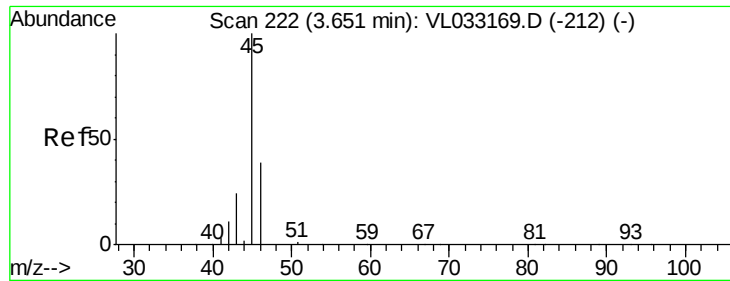
Tot Ion:101 Resp: 115134
 Ion Ratio Lower Upper
 101 100
 103 59.6 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 3.137 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033209.D
 Acq: 14 Feb 2019 22:16

Tgt Ion:101 Resp: 321744
 Ion Ratio Lower Upper
 101 100
 151 71.2 57.4 86.0





#13

Ethanol

Concen: 2.880 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033209.D

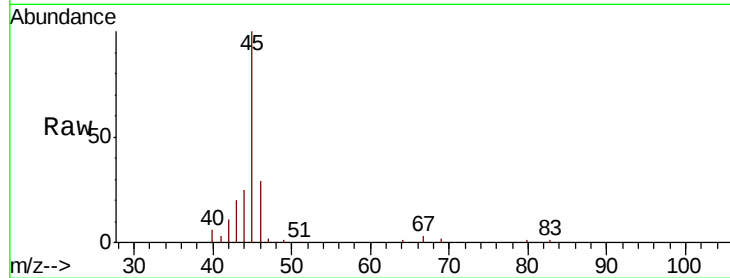
Acq: 14 Feb 2019 22:16

Tot Ion: 45 Resp: 54433

Ion Ratio Lower Upper

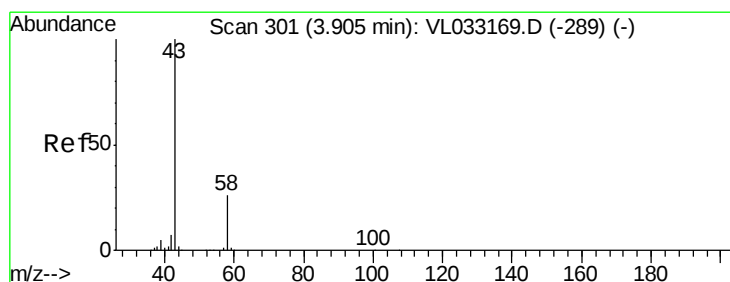
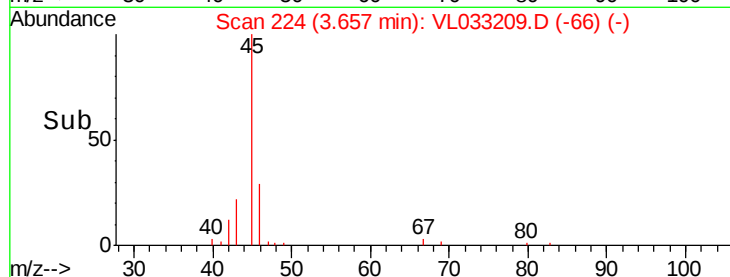
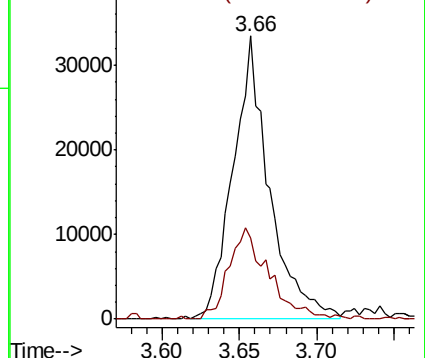
45 100

46 35.9 15.0 60.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 6.471 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033209.D

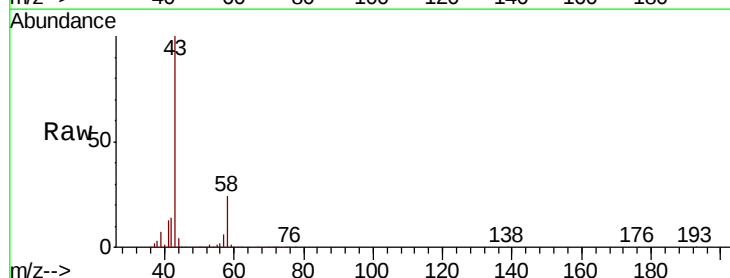
Acq: 14 Feb 2019 22:16

Tgt Ion: 43 Resp: 696974

Ion Ratio Lower Upper

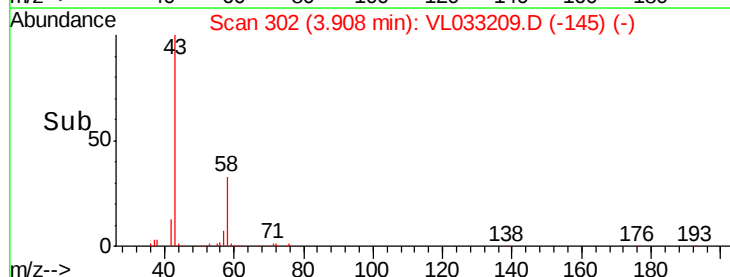
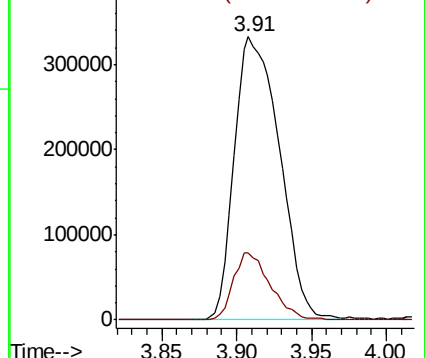
43 100

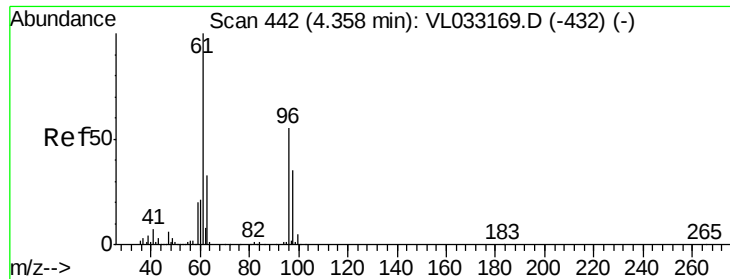
58 19.4 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

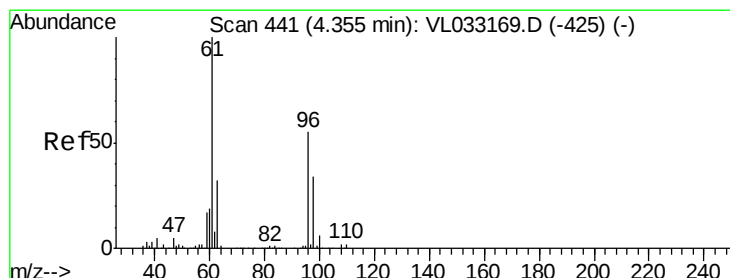
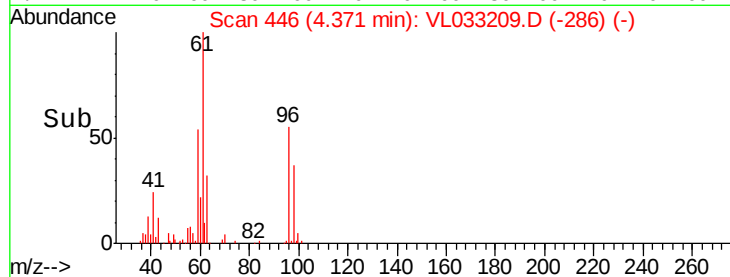
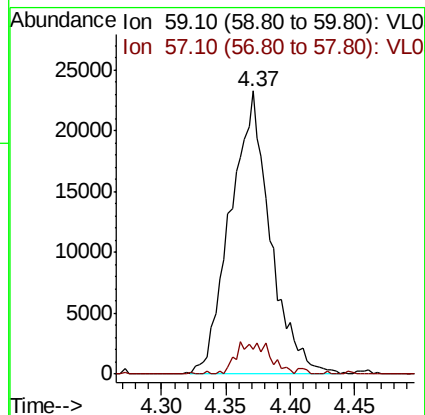
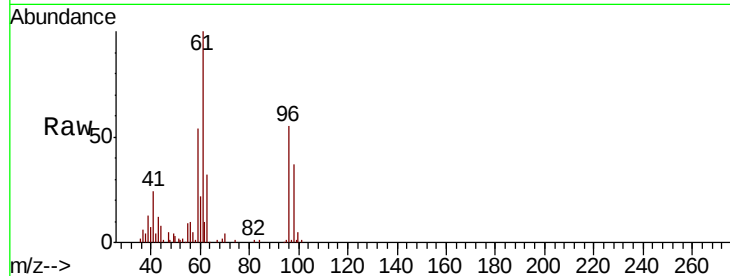




#17

tert-Butyl alcohol
Concen: 2.412 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.01 min
Lab File: VL033209.D
Acq: 14 Feb 2019 22:16

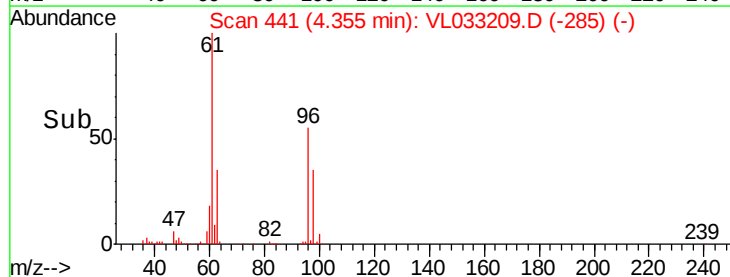
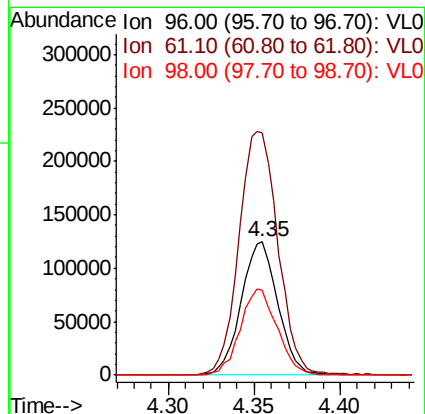
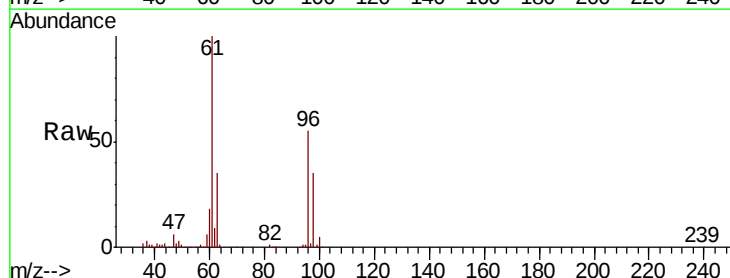
Tot Ion: 59 Resp: 49906
Ion Ratio Lower Upper
59 100
57 10.4 7.6 11.4

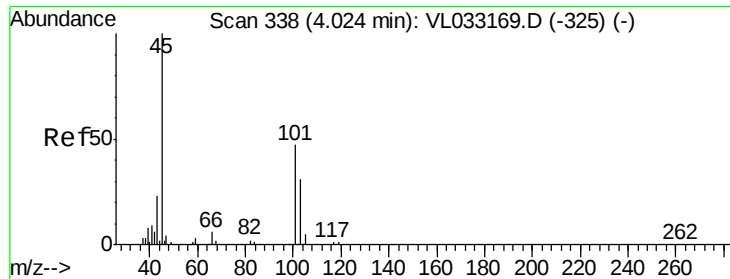


#18

1,1-Dichloroethene
Concen: 4.028 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033209.D
Acq: 14 Feb 2019 22:16

Tgt Ion: 96 Resp: 184920
Ion Ratio Lower Upper
96 100
61 182.1 145.0 217.6
98 63.4 50.0 75.0





#19

Isopropyl Alcohol

Concen: 1.159 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033209.D

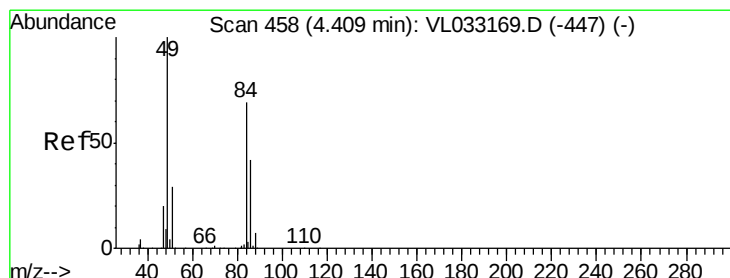
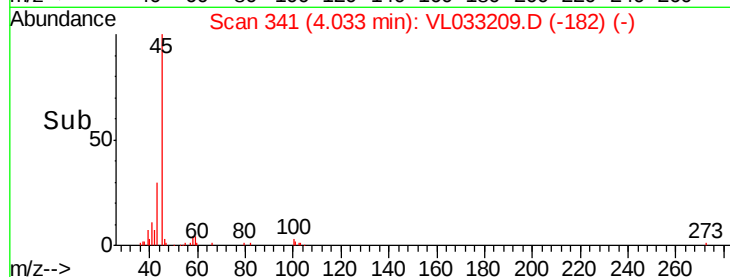
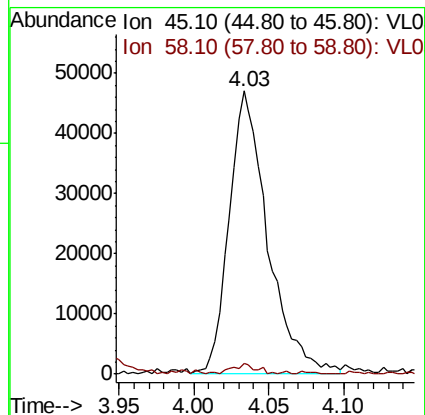
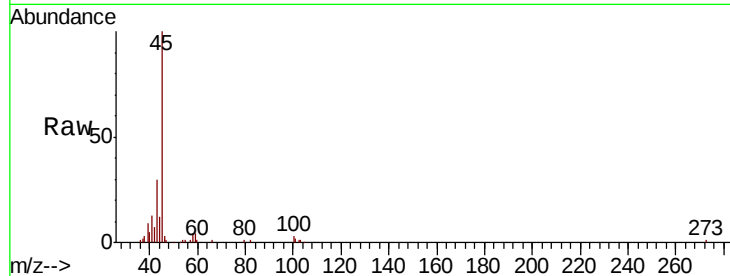
Acq: 14 Feb 2019 22:16

Tot Ion: 45 Resp: 84688

Ion Ratio Lower Upper

45 100

58 160.6 1.5 2.3#



#20

Methylene Chloride

Concen: 1.764 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

Tgt Ion: 84 Resp: 75565

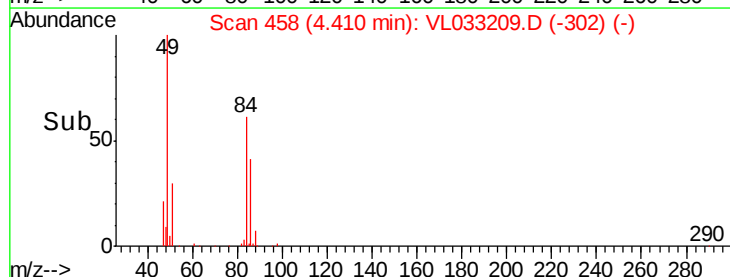
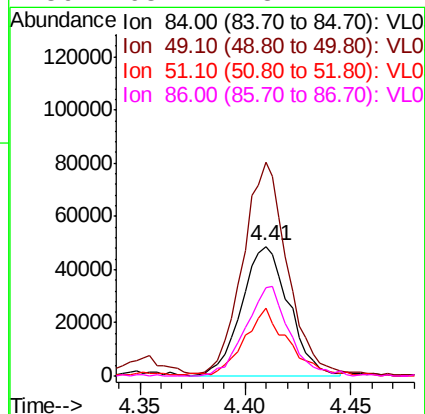
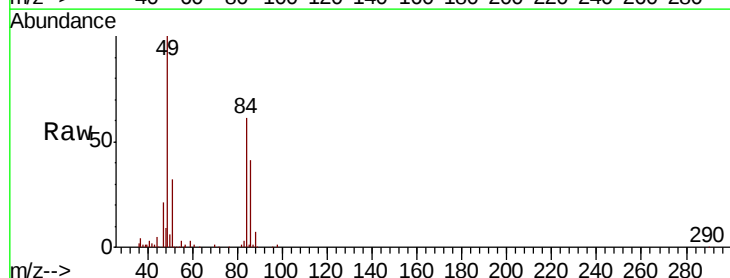
Ion Ratio Lower Upper

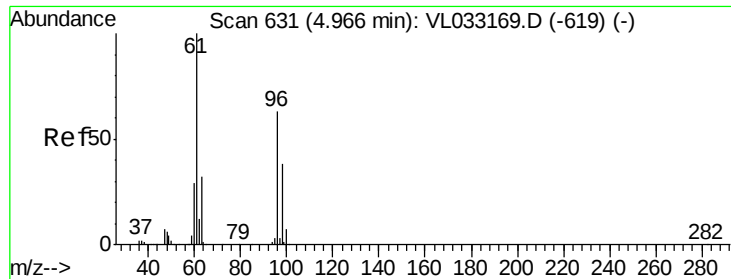
84 100

49 163.3 115.8 173.8

51 51.2 33.0 49.6#

86 68.1 48.2 72.2





#22

trans-1,2-Dichloroethene

Concen: 0.420 ppbv

RT: 4.96 min Scan# 630

Delta R.T. -0.00 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

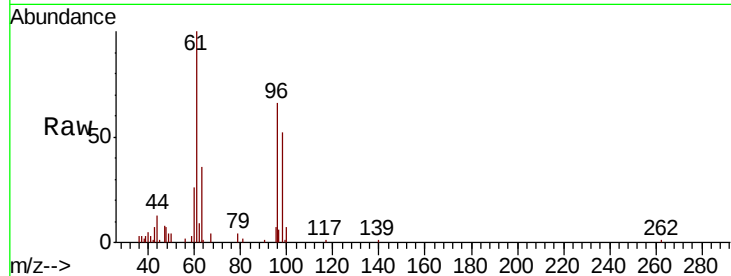
Tot Ion: 96 Resp: 18722

Ion Ratio Lower Upper

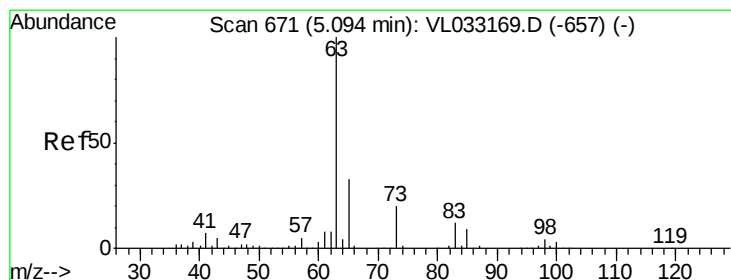
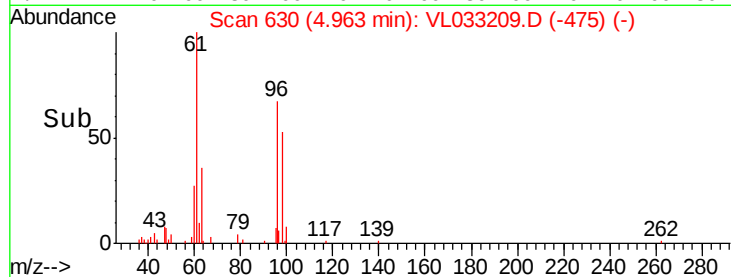
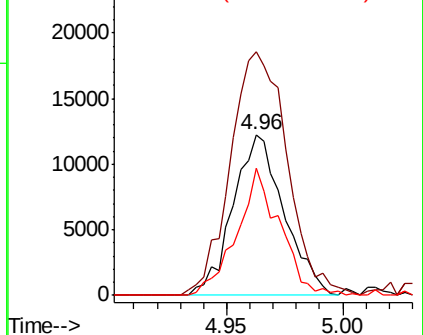
96 100

61 136.3 126.4 189.6

98 73.0 48.4 72.6#



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



#24

1,1-Dichloroethane

Concen: 48.882 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

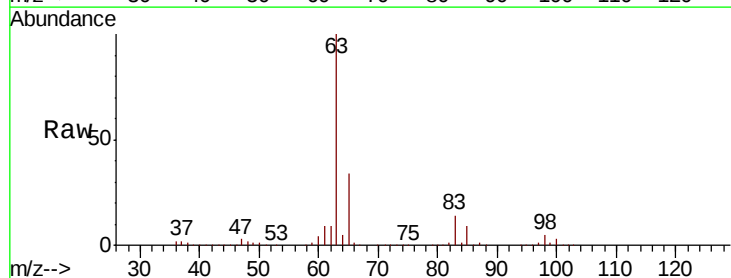
Tgt Ion: 63 Resp: 6454477

Ion Ratio Lower Upper

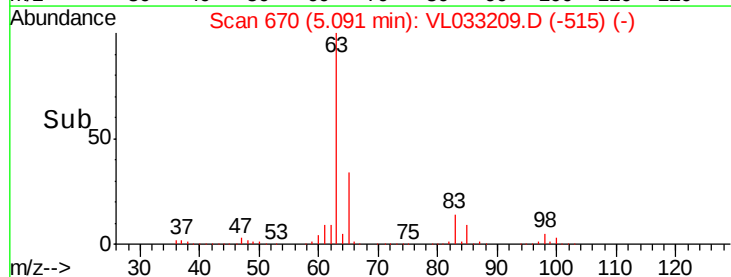
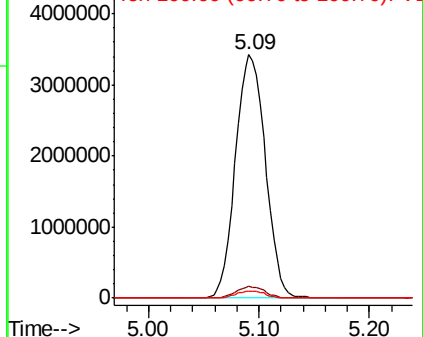
63 100

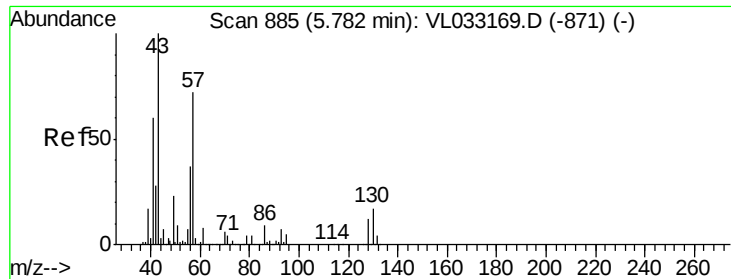
98 5.0 2.1 6.5

100 3.0 1.4 4.2



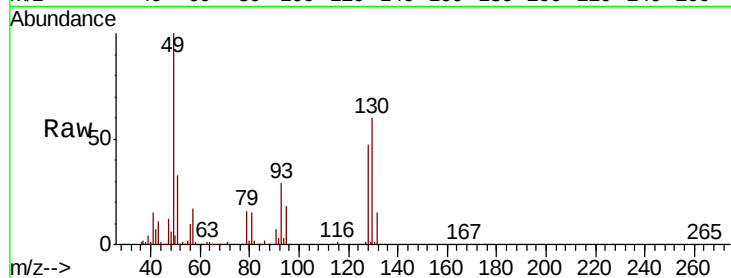
Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



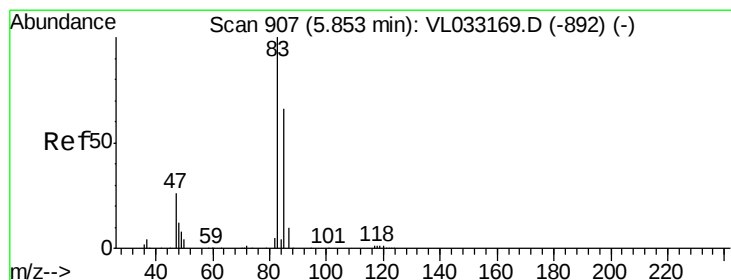
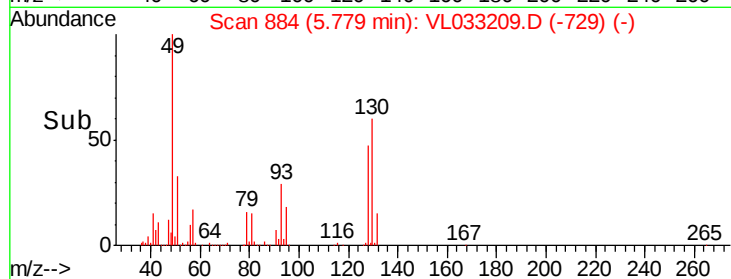
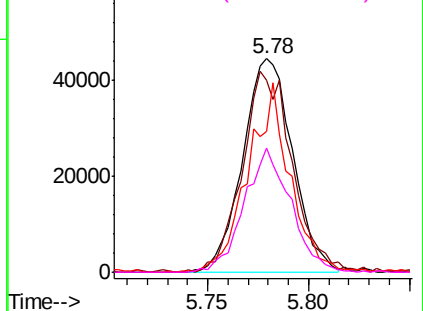


#26
Hexane
Concen: 0.678 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033209.D
Acq: 14 Feb 2019 22:16

Tot Ion: 57 Resp: 77052
Ion Ratio Lower Upper
57 100
41 95.9 69.4 104.2
43 74.9 176.7 265.1#
56 54.5 41.4 62.0

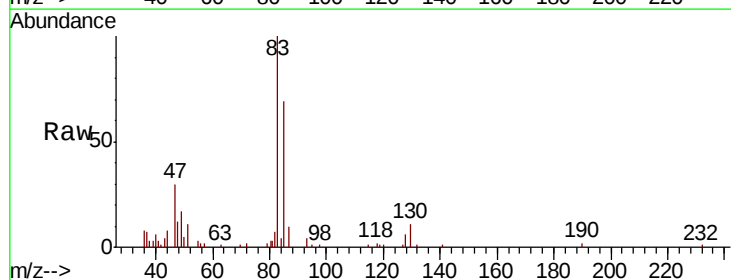


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

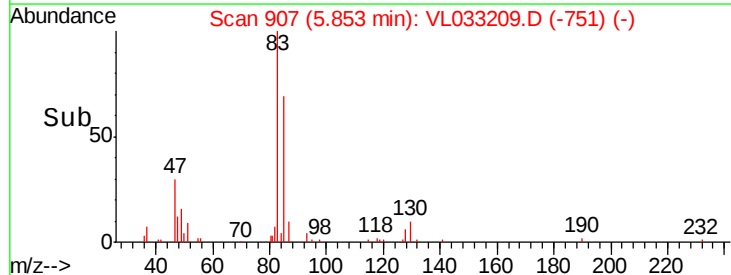
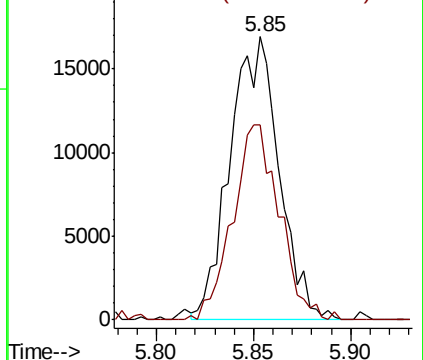


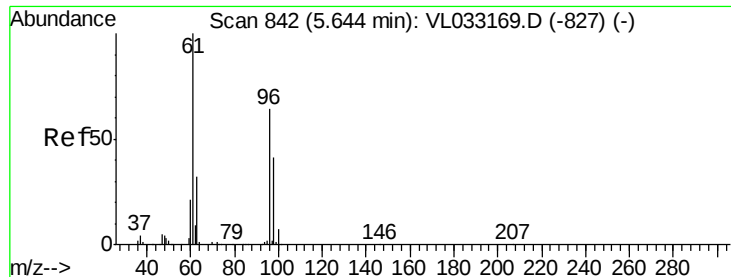
#29
Chloroform
Concen: 0.171 ppbv m
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033209.D
Acq: 14 Feb 2019 22:16

Tgt Ion: 83 Resp: 29829
Ion Ratio Lower Upper
83 100
85 68.8 52.6 78.8



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





#31

cis-1,2-Dichloroethene

Concen: 0.278 ppbv

RT: 5.64 min Scan# 842

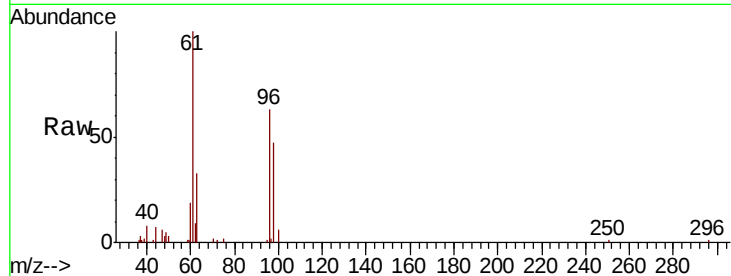
Delta R.T. 0.00 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

Tot Ion: 61 Resp: 31654

Ion	Ratio	Lower	Upper
61	100		
96	61.8	51.2	76.8
98	47.0	32.8	49.2

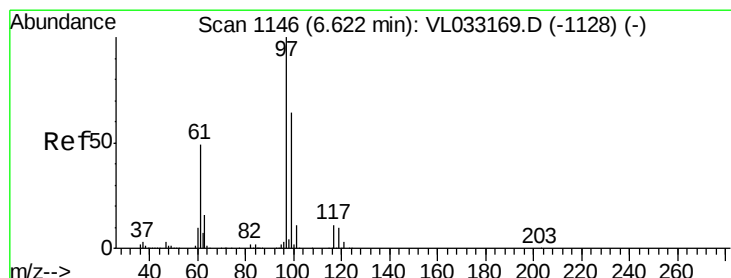
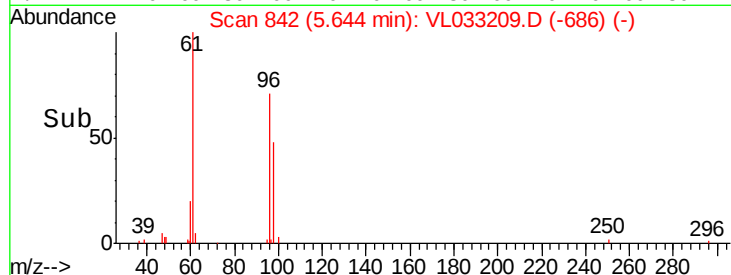
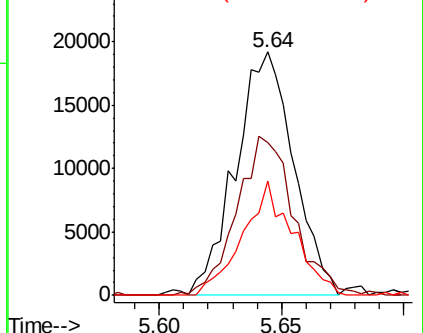


Abundance

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: 94.741 ppbv

RT: 6.62 min Scan# 1147

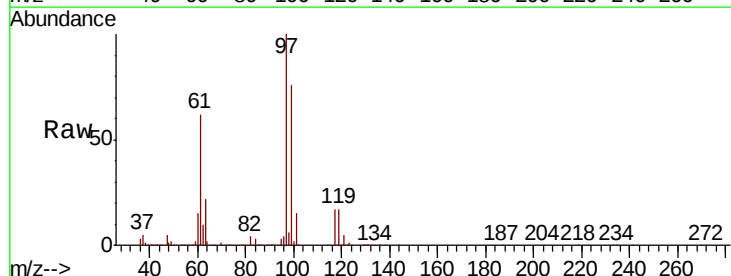
Delta R.T. 0.00 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

Tgt Ion: 97 Resp:18175502

Ion	Ratio	Lower	Upper
97	100		
99	72.1	51.4	77.2
61	56.3	38.8	58.2

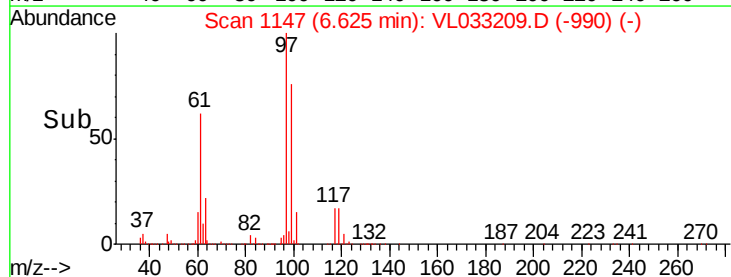
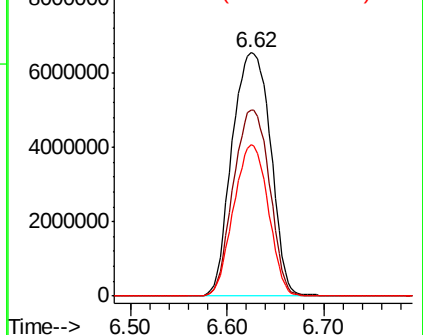


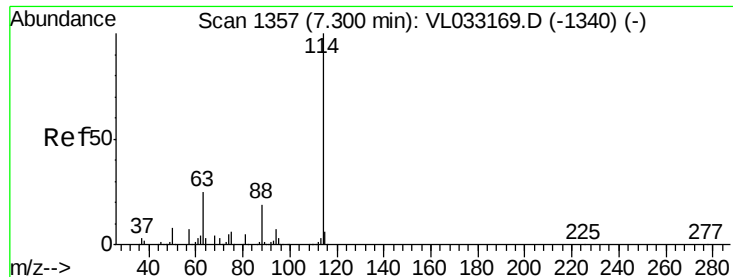
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

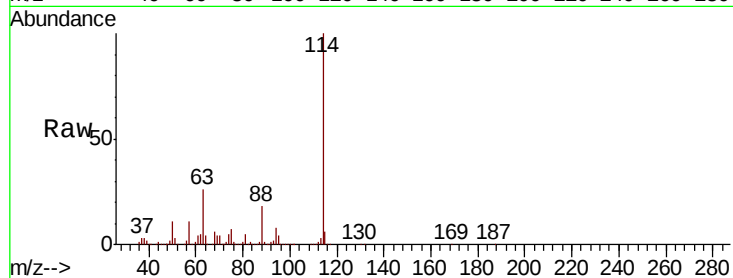
Tot Ion:114 Resp: 2168643

Ion Ratio Lower Upper

114 100

63 26.9 20.8 31.2

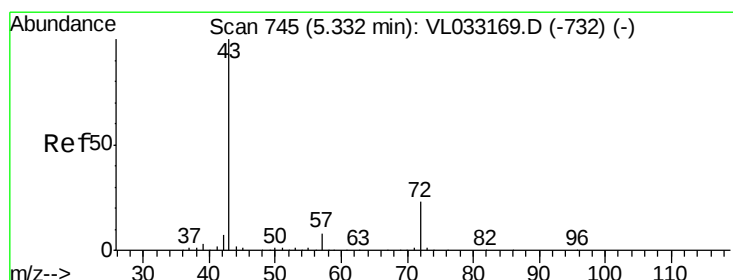
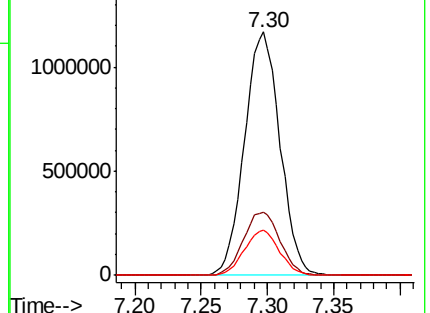
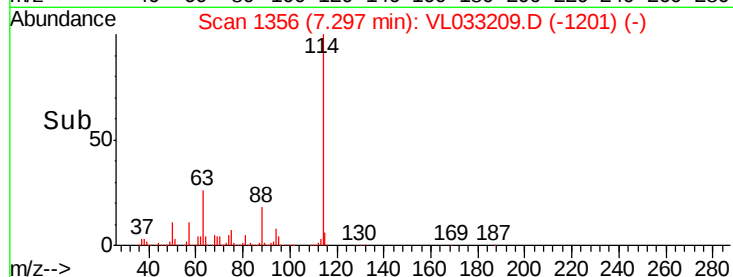
88 18.5 14.6 22.0



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: 0.234 ppbv

RT: 5.35 min Scan# 749

Delta R.T. 0.01 min

Lab File: VL033209.D

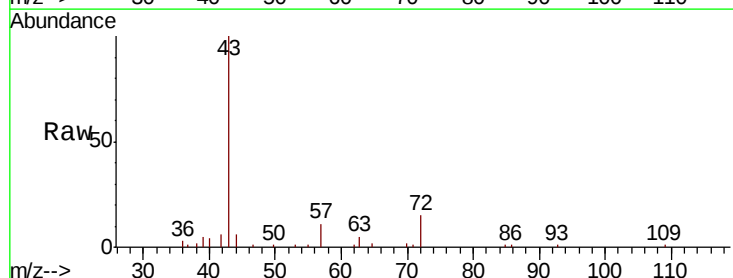
Acq: 14 Feb 2019 22:16

Tgt Ion: 43 Resp: 32126

Ion Ratio Lower Upper

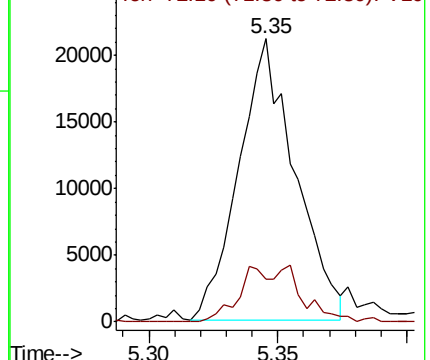
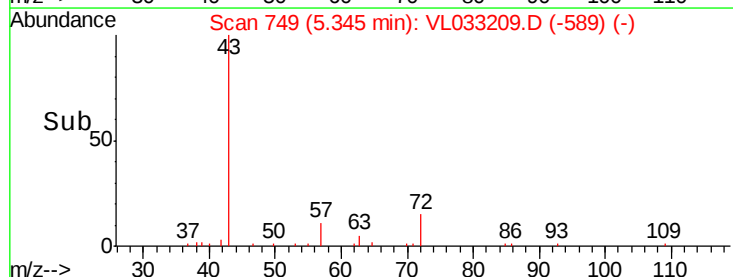
43 100

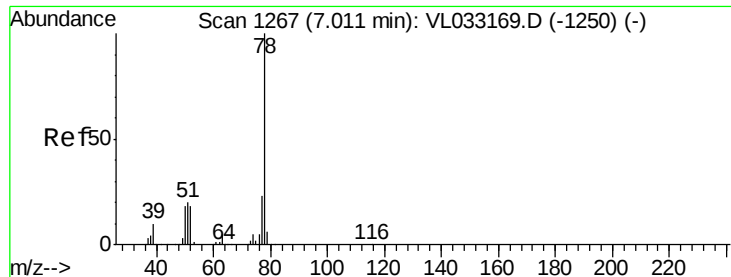
72 21.1 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.209 ppbv

RT: 7.01 min Scan# 1266

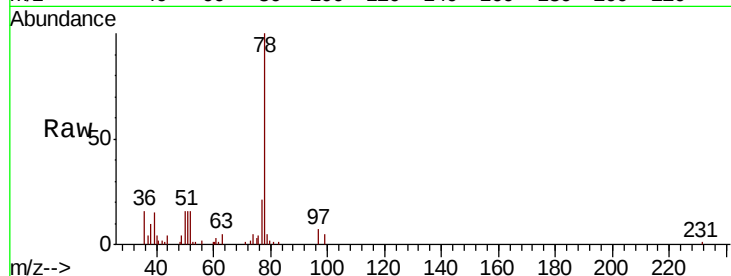
Delta R.T. -0.00 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

Tot Ion: 78 Resp: 45964

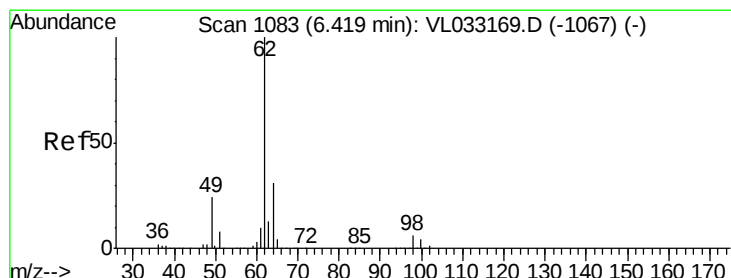
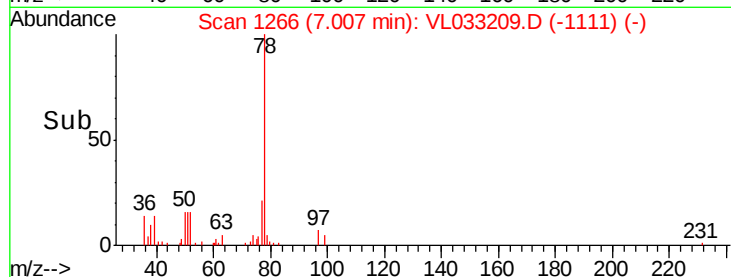
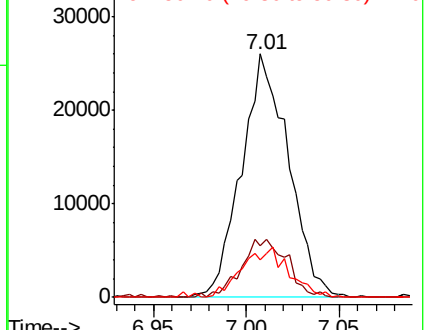
Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.0	27.0
50	15.6	14.2	21.2



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: 0.297 ppbv m

RT: 6.42 min Scan# 1082

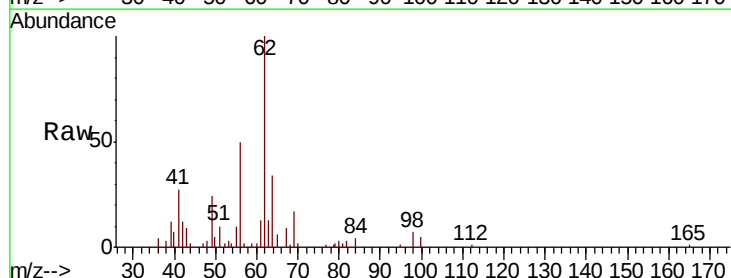
Delta R.T. -0.00 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

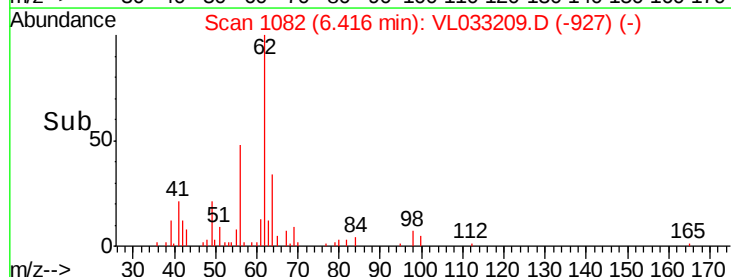
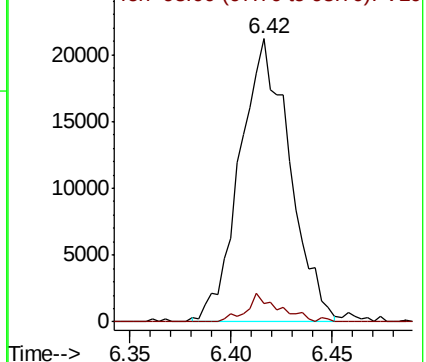
Tgt Ion: 62 Resp: 36122

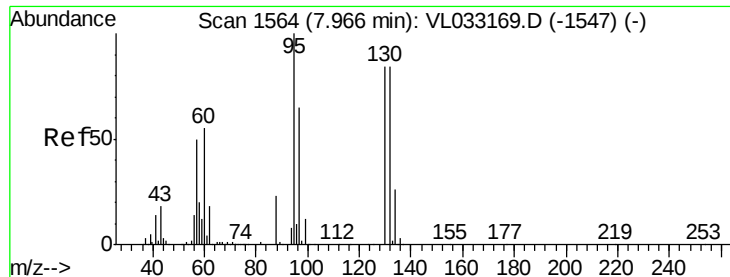
Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.7	7.1#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.878 ppbv m

RT: 7.97 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

Tot Ion:130 Resp: 82477

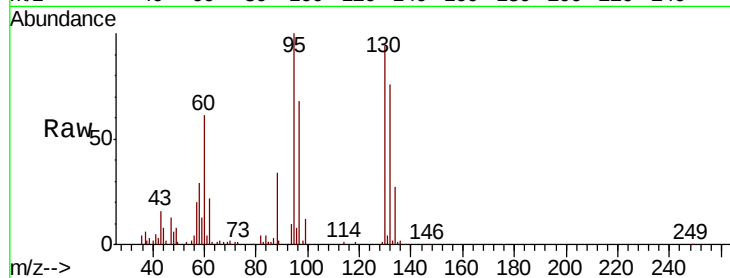
Ion Ratio Lower Upper

130 100

95 106.2 95.5 143.3

132 80.6 80.0 120.0

97 72.4 62.2 93.2

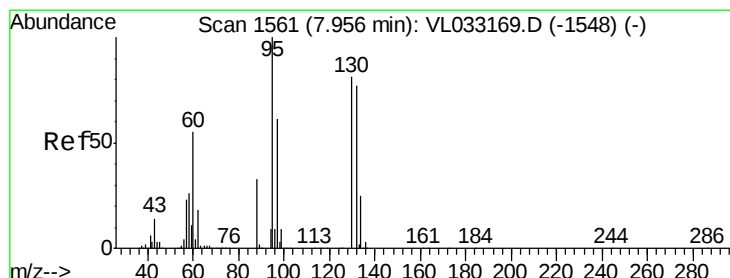
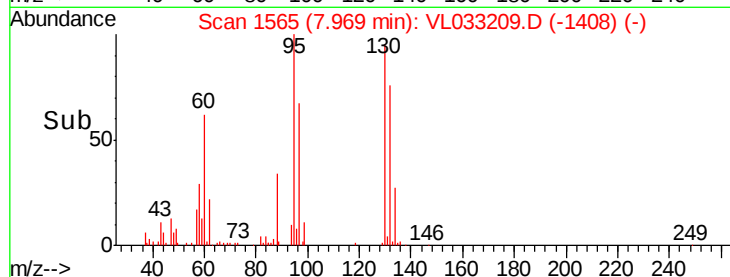
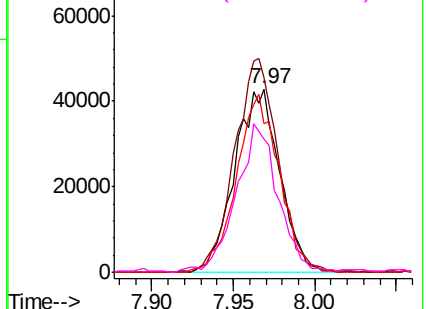


Abundance Ion 130.00 (129.70 to 130.70): V

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



#40

1,4-Dioxane

Concen: 1.585 ppbv m

RT: 7.98 min Scan# 1568

Delta R.T. 0.02 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

Tgt Ion: 88 Resp: 48853

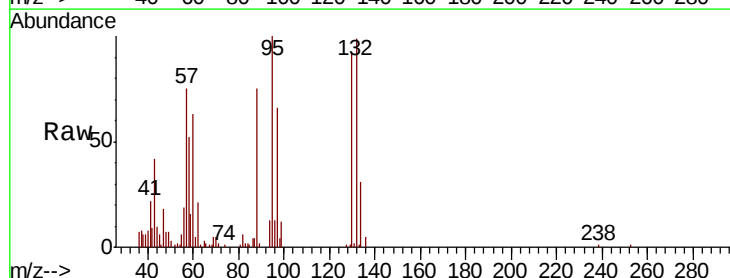
Ion Ratio Lower Upper

88 100

58 87.6 106.4 159.6#

43 63.4 219.6 329.4#

57 0.0 993.3 1489.9#

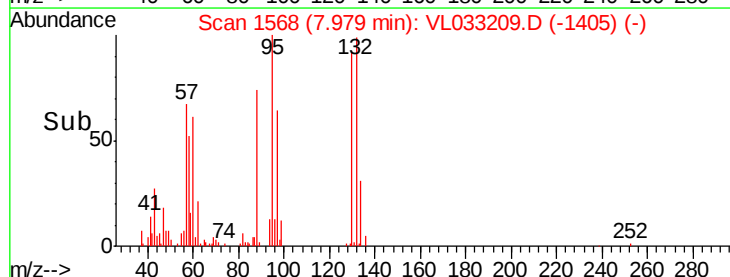
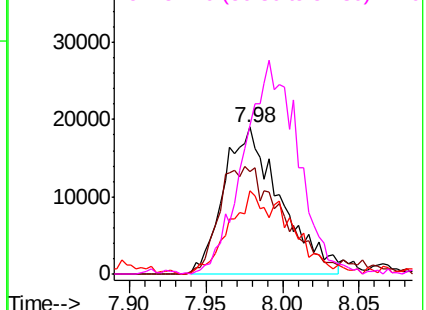


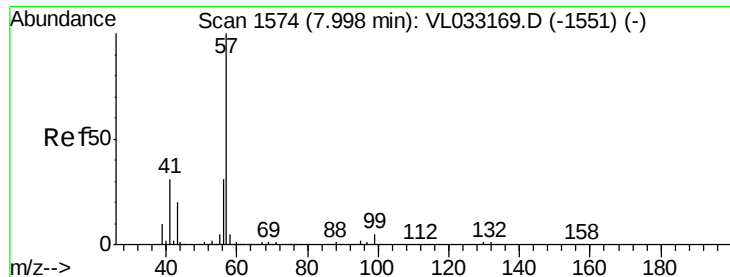
Abundance Ion 88.10 (87.80 to 88.80): VL0

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





#44

2,2,4-Trimethylpentane

Concen: 0.182 ppbv m

RT: 7.99 min Scan# 1572

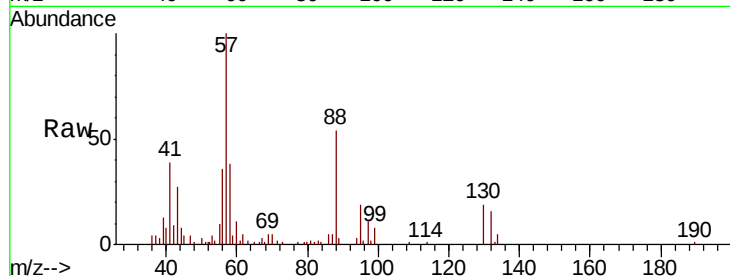
Delta R.T. -0.01 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

Tot Ion: 57 Resp: 67727

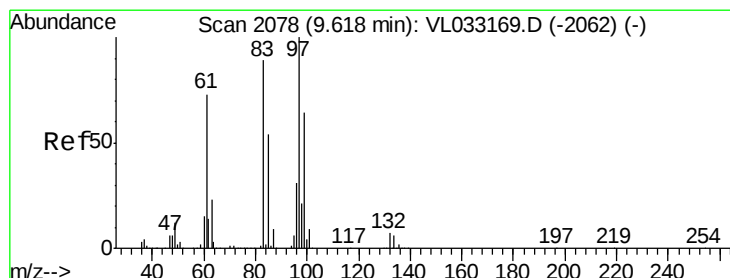
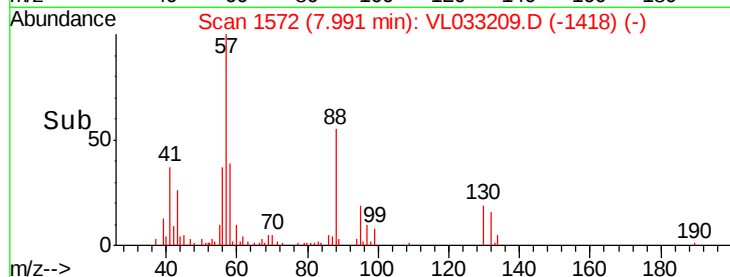
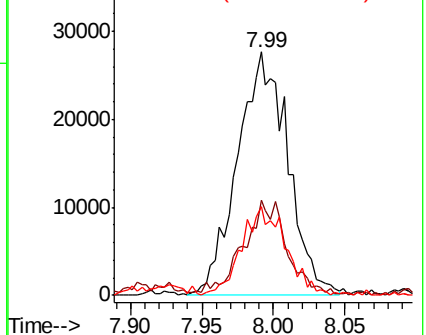
Ion	Ratio	Lower	Upper
57	100		
41	34.7	25.2	37.8
56	32.3	24.5	36.7



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



#47

1,1,2-Trichloroethane

Concen: 0.259 ppbv m

RT: 9.61 min Scan# 2076

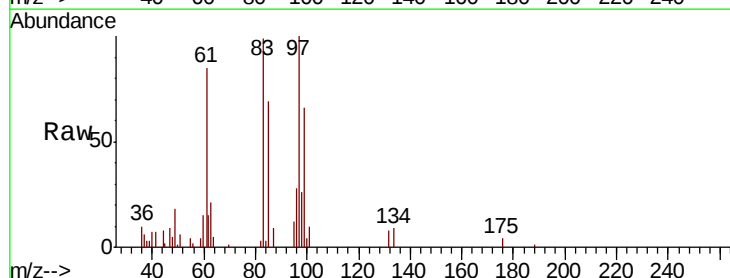
Delta R.T. -0.01 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

Tgt Ion: 97 Resp: 23315

Ion	Ratio	Lower	Upper
97	100		
83	99.5	71.4	107.2
85	68.7	43.5	65.3#
99	65.6	51.4	77.0

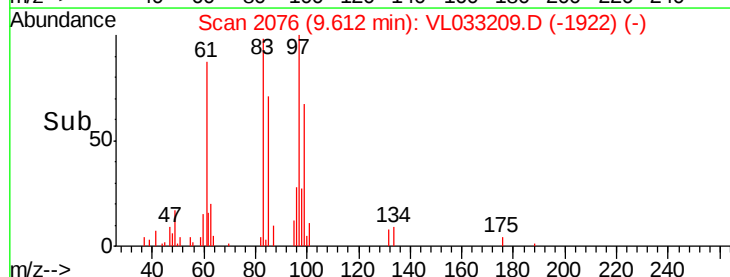
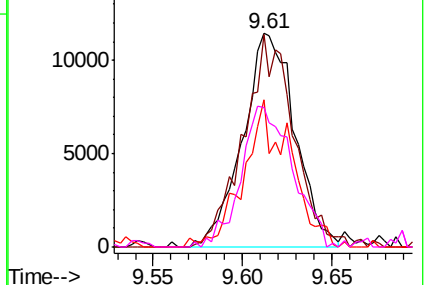


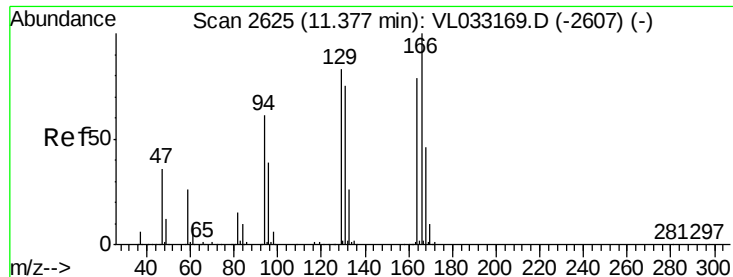
Abundance Ion 97.00 (96.70 to 97.70): VL0

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





#52

Tetrachloroethene

Concen: 1.345 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. -0.00 min

Lab File: VL033209.D

Acq: 14 Feb 2019 22:16

Tot Ion:164 Resp: 113594

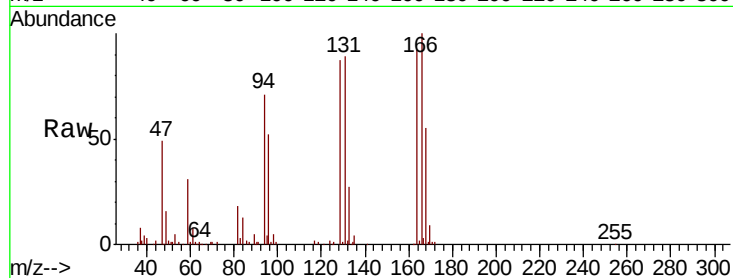
Ion Ratio Lower Upper

164 100

166 108.2 100.9 151.3

129 94.1 83.9 125.9

131 96.2 76.2 114.2

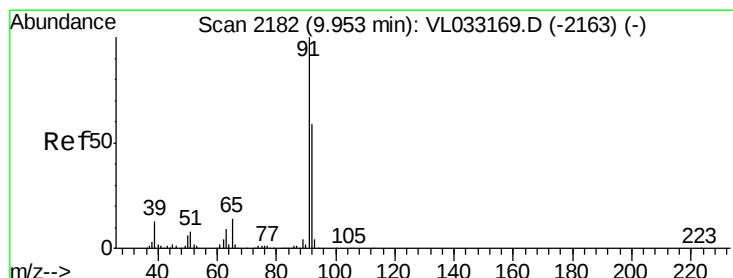
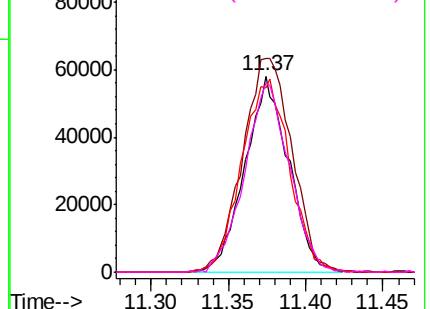
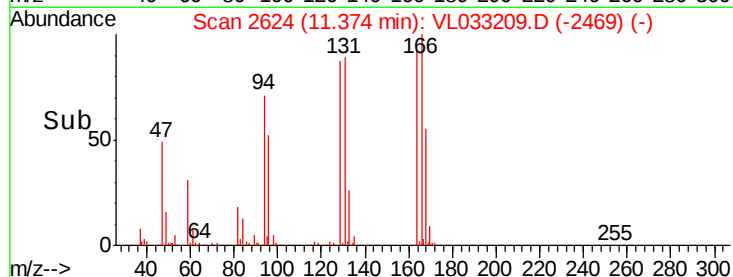


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.329 ppbv m

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033209.D

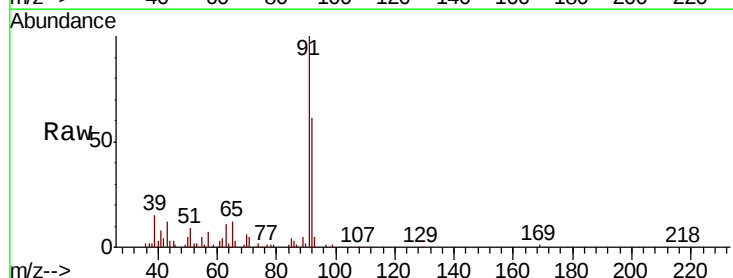
Acq: 14 Feb 2019 22:16

Tgt Ion: 91 Resp: 85507

Ion Ratio Lower Upper

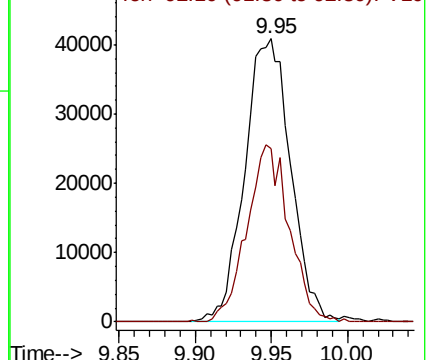
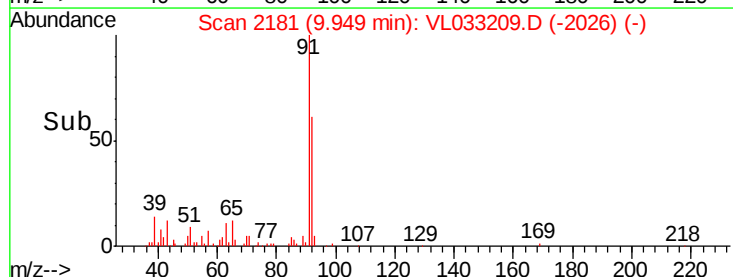
91 100

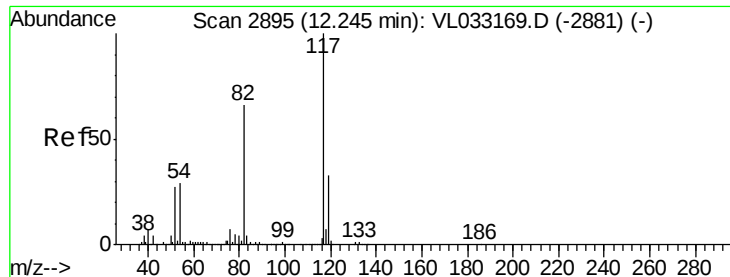
92 57.7 48.0 72.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

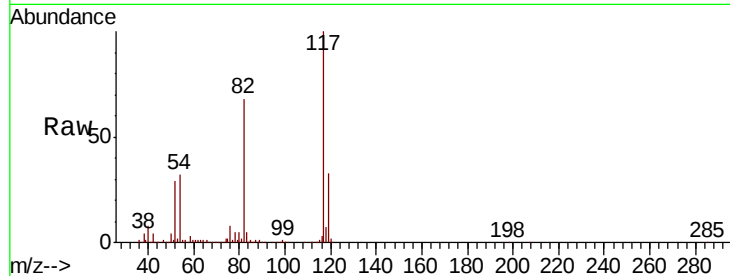
Ion 92.10 (91.80 to 92.80): VL0



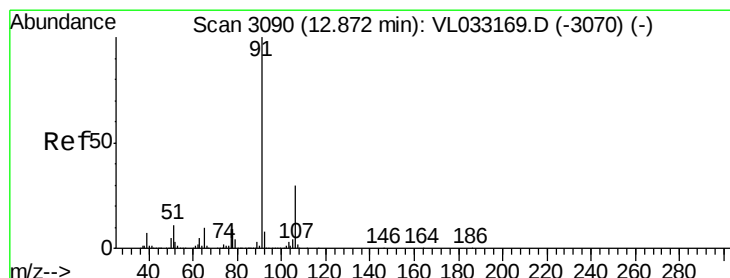
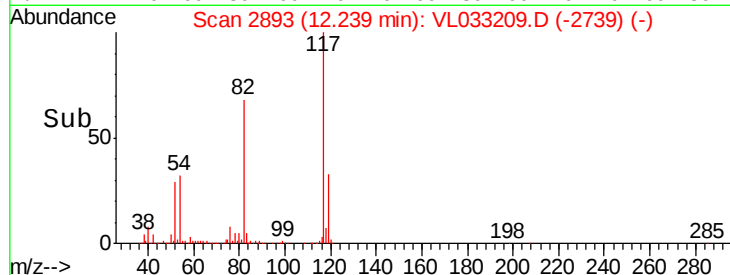
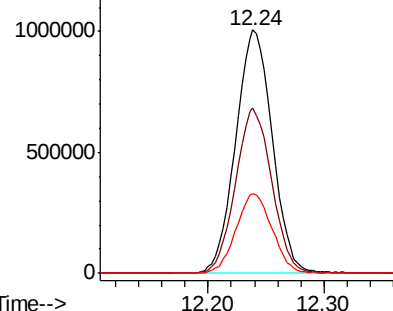


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033209.D
Acq: 14 Feb 2019 22:16

Tot Ion:117 Resp: 2208433
Ion Ratio Lower Upper
117 100
82 67.6 53.8 80.8
119 32.6 46.9 70.3#

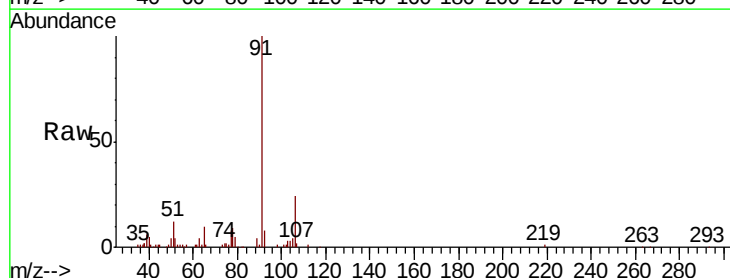


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

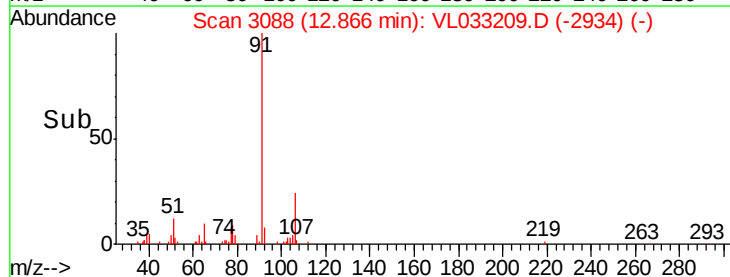
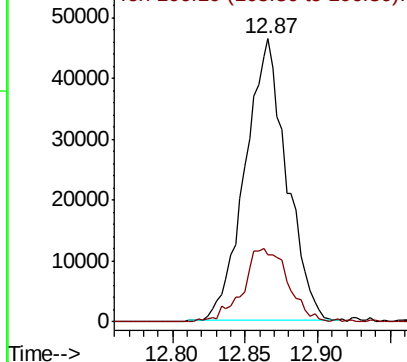


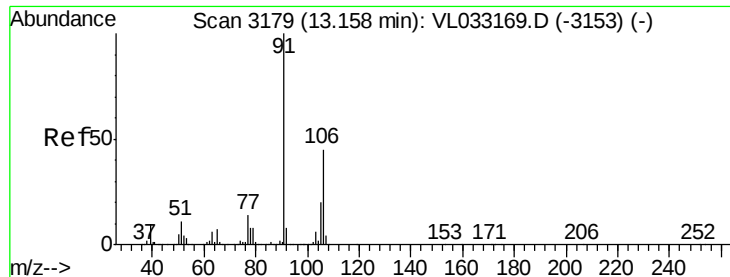
#58
Ethyl Benzene
Concen: 0.254 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033209.D
Acq: 14 Feb 2019 22:16

Tgt Ion: 91 Resp: 92074
Ion Ratio Lower Upper
91 100
106 23.9 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: 1.367 ppbv m

RT: 13.12 min Scan# 3167

Delta R.T. -0.04 min

Lab File: VL033209.D

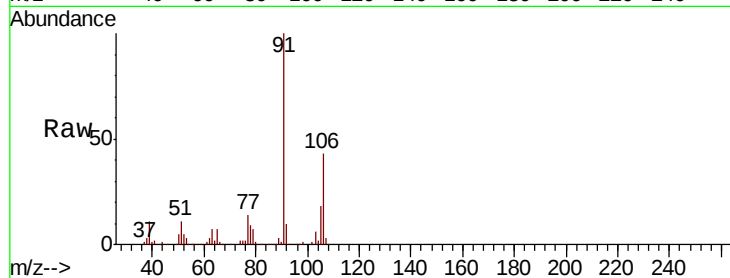
Acq: 14 Feb 2019 22:16

Tot Ion: 91 Resp: 412278

Ion Ratio Lower Upper

91 100

106 0.0 36.6 55.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.12

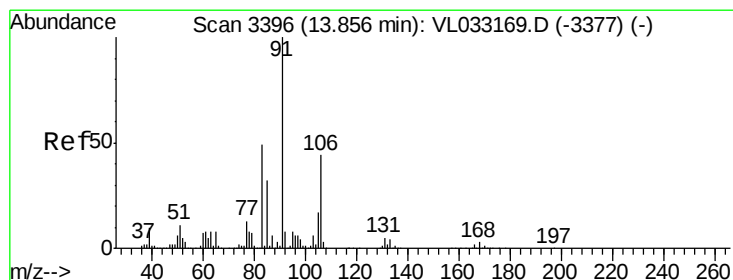
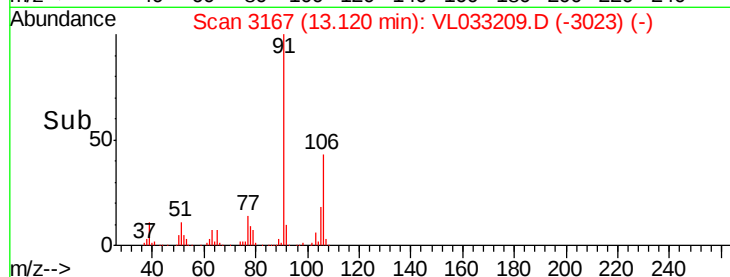
150000

100000

50000

0

Time-->



#60

o-Xylene

Concen: 0.338 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL033209.D

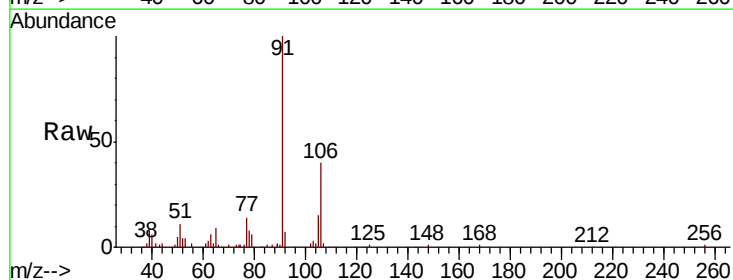
Acq: 14 Feb 2019 22:16

Tgt Ion: 91 Resp: 99354

Ion Ratio Lower Upper

91 100

106 42.8 21.8 65.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.85

50000

40000

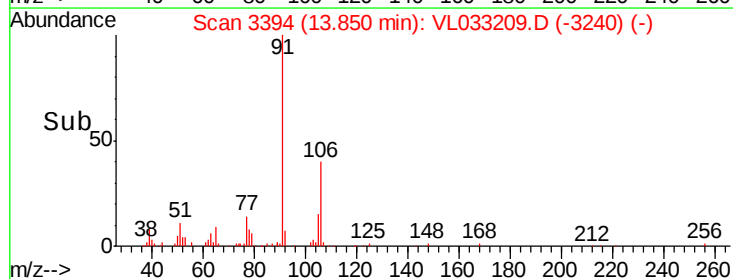
30000

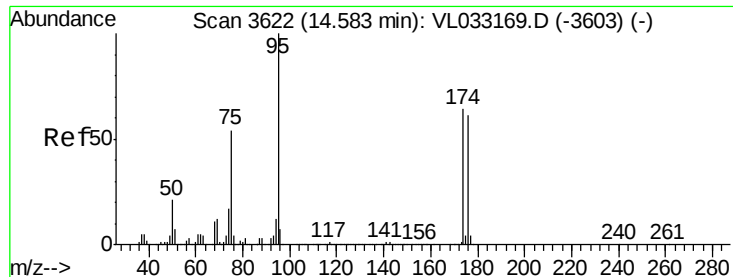
20000

10000

0

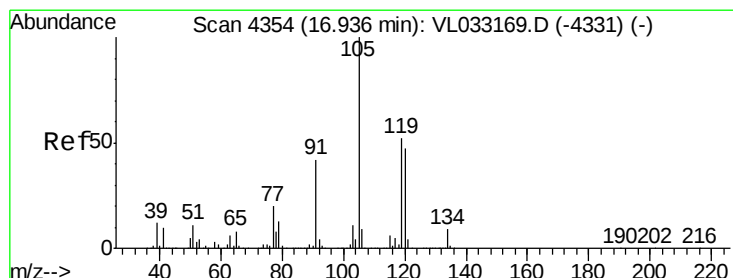
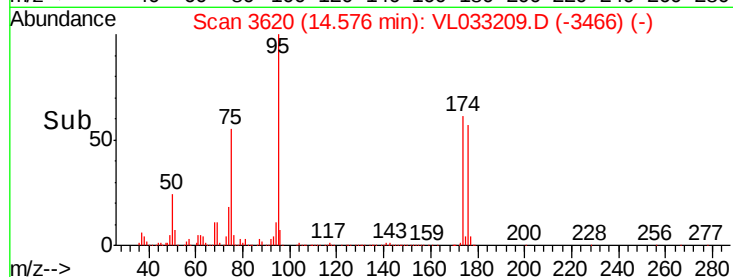
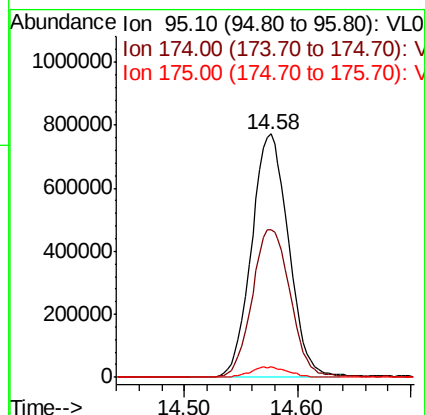
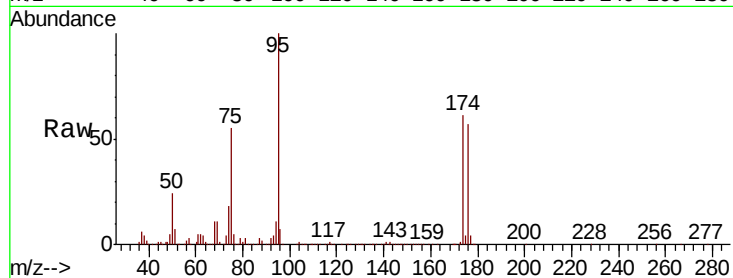
Time-->





#68
1-Bromo-4-Fluorobenzene
Concen: 10.167 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033209.D
Acq: 14 Feb 2019 22:16

Tot Ion: 95 Resp: 1749840
Ion Ratio Lower Upper
95 100
174 63.4 51.1 76.7
175 4.4 3.8 5.6



#74
1,2,4-Trimethylbenzene
Concen: 0.131 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL033209.D
Acq: 14 Feb 2019 22:16

Tgt Ion: 105 Resp: 44047
Ion Ratio Lower Upper
105 100
120 43.5 37.9 56.9
91 15.0 34.0 51.0#
77 14.7 15.7 23.5#

