

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033213.D
 Acq On : 15 Feb 2019 00:53
 Operator : SY/AP
 Sample : K1483-06
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 21 01:21:04 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	964436	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2103016	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2074358	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1677308	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

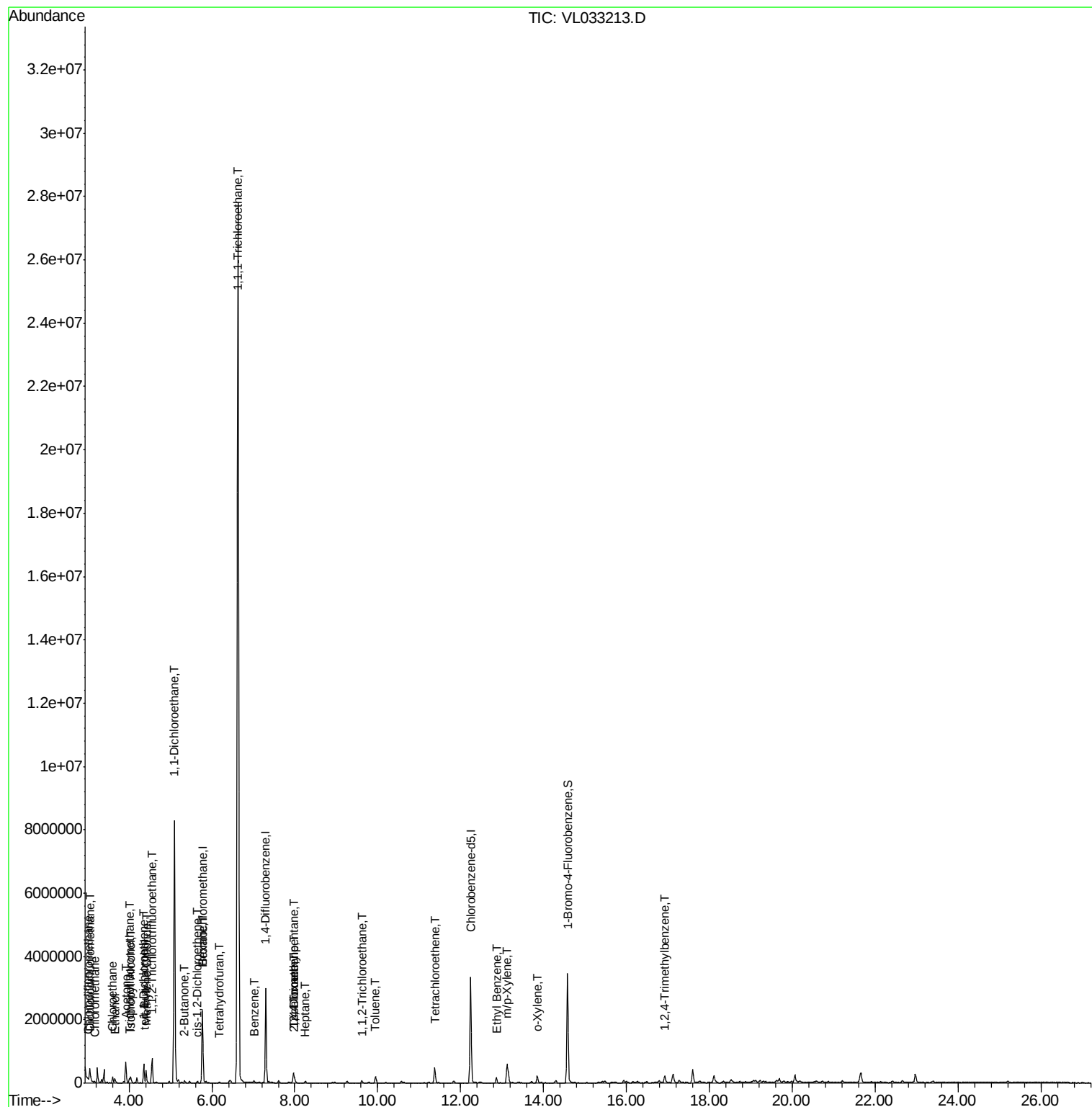
Target Compounds

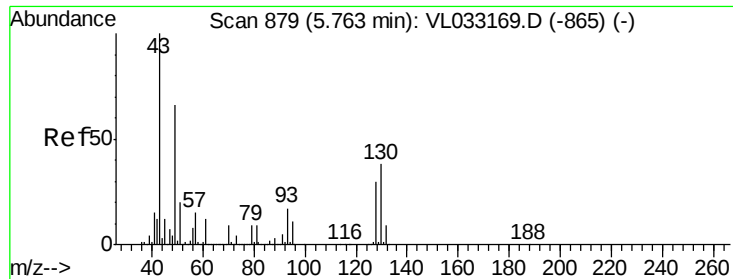
						Ovalue
2) Dichlorodifluoromethane	3.08	85	87176	0.473	ppbv	96
3) Chlorodifluoromethane	3.02	51	33894m	0.292	ppbv	
4) Chloromethane	3.17	50	11235	0.183	ppbv	90
7) Chloroethane	3.60	64	118657	5.669	ppbv	96
10) Heptane	8.25	43	24017	0.142	ppbv	100
11) Trichlorofluoromethane	4.01	101	99976	0.670	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	273729	2.646	ppbv	99
13) Ethanol	3.66	45	143437	7.524	ppbv	98
15) Acetone	3.91	43	531134	4.888	ppbv	91
17) tert-Butyl alcohol	4.38	59	41319m	1.980	ppbv	
18) 1,1-Dichloroethene	4.35	96	169578	3.662	ppbv	99
19) Isopropyl Alcohol	4.04	45	212708m	2.886	ppbv	
20) Methylene Chloride	4.41	84	130279	3.014	ppbv	94
24) 1,1-Dichloroethane	5.09	63	7486220	56.203	ppbv	98
26) Hexane	5.78	57	219242	1.912	ppbv #	43
31) cis-1,2-Dichloroethene	5.64	61	30793m	0.268	ppbv	
32) 1,1,1-Trichloroethane	6.63	97	19618276	101.373	ppbv	88
34) 2-Butanone	5.34	43	72316	0.542	ppbv	97
36) Benzene	7.01	78	43080	0.202	ppbv #	90
38) Trichloroethene	7.97	130	77019	0.846	ppbv	94
40) 1,4-Dioxane	7.98	88	50223m	1.680	ppbv	
41) Tetrahydrofuran	6.16	42	12311	0.149	ppbv	95
44) 2,2,4-Trimethylpentane	8.00	57	74354m	0.206	ppbv	
47) 1,1,2-Trichloroethane	9.62	97	23793m	0.273	ppbv	
52) Tetrachloroethene	11.37	164	115414	1.409	ppbv	89
53) Toluene	9.95	91	141466	0.561	ppbv	99
58) Ethyl Benzene	12.87	91	138981	0.408	ppbv	91
59) m/p-Xylene	13.12	91	642593	2.269	ppbv	98
60) o-Xylene	13.85	91	167549	0.607	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	102948	0.326	ppbv #	80

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

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Quant Time: Feb 21 01:21:04 2019
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 06:00:52 2019
QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.01 min

Lab File: VL033213.D

Acq: 15 Feb 2019 00:53

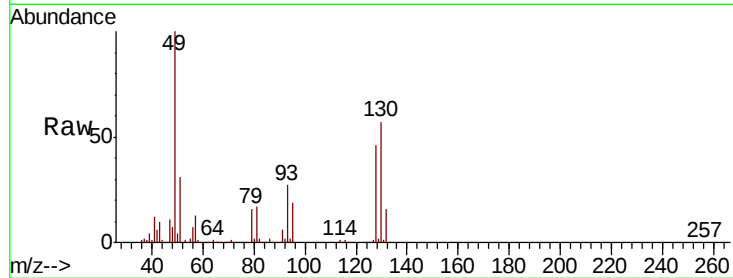
Tot Ion: 49 Resp: 964436

Ion Ratio Lower Upper

49 100

128 45.3 23.6 71.0

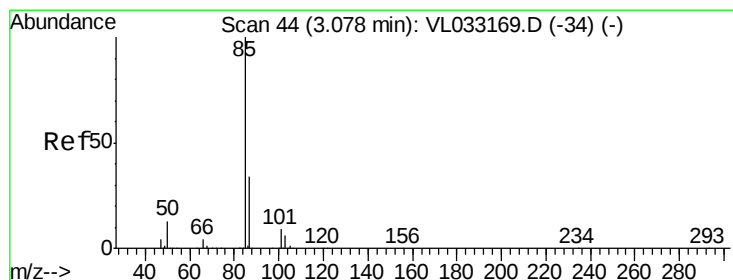
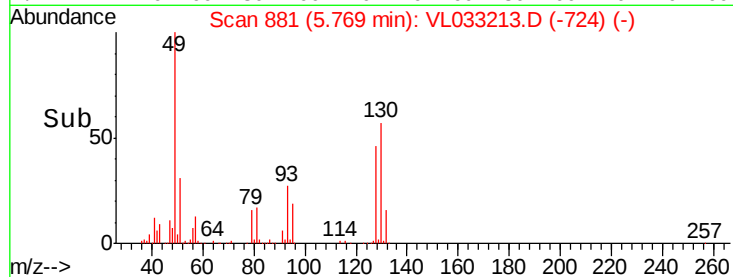
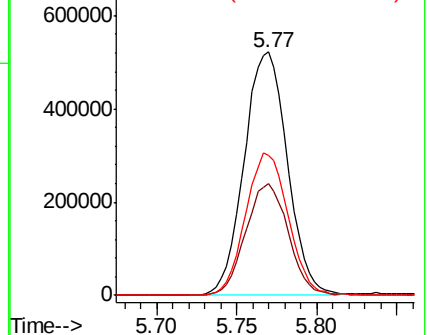
130 58.2 30.3 91.0



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: 0.473 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033213.D

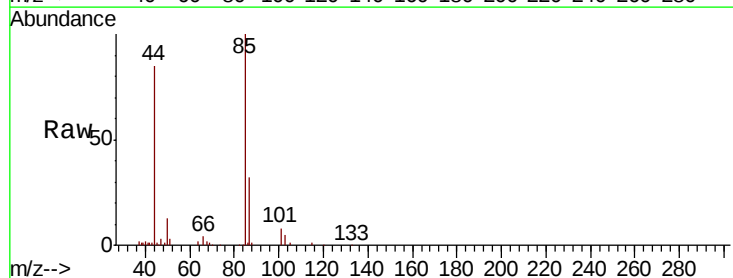
Acq: 15 Feb 2019 00:53

Tgt Ion: 85 Resp: 87176

Ion Ratio Lower Upper

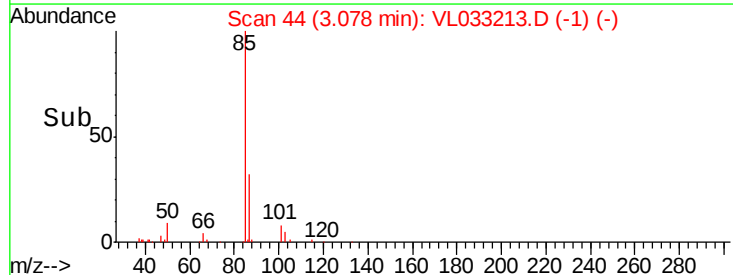
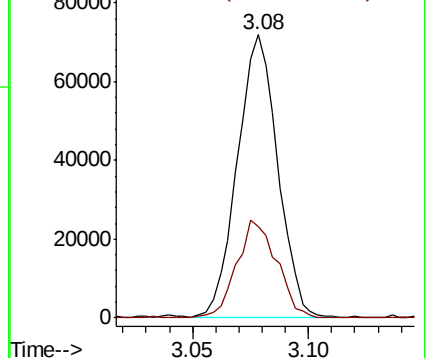
85 100

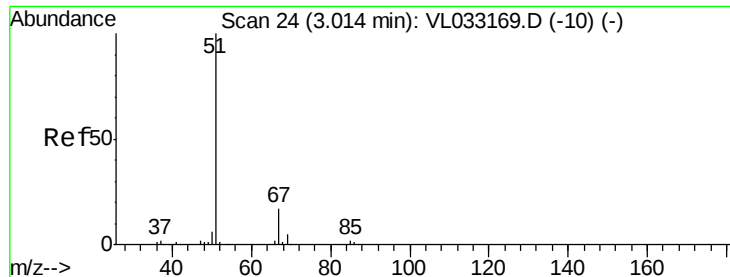
87 31.8 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.292 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033213.D

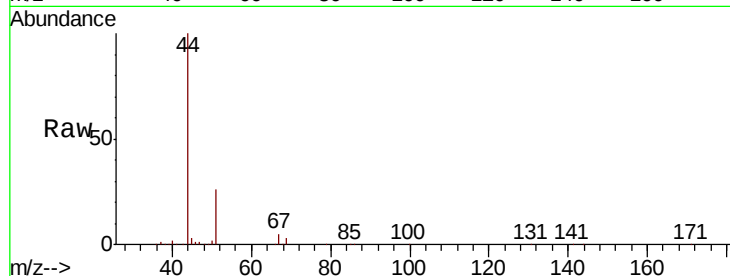
Acq: 15 Feb 2019 00:53

Tot Ion: 51 Resp: 33894

Ion Ratio Lower Upper

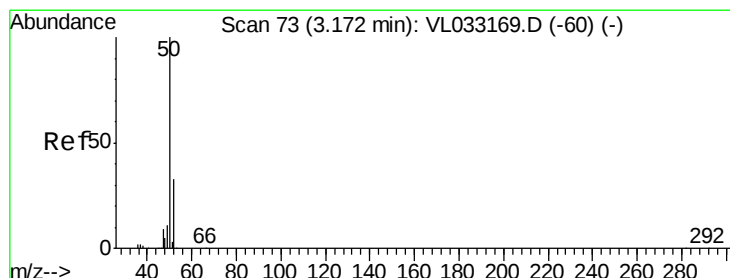
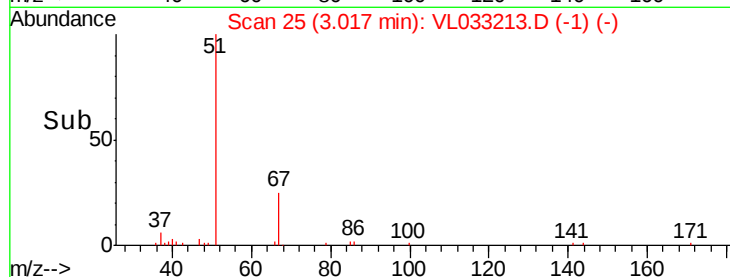
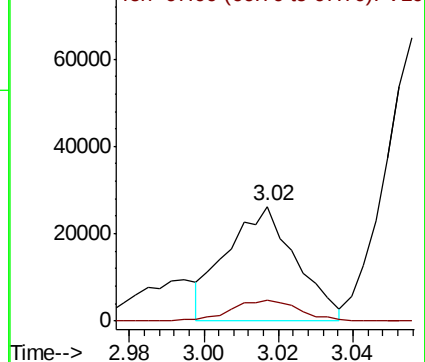
51 100

67 18.1 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.183 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033213.D

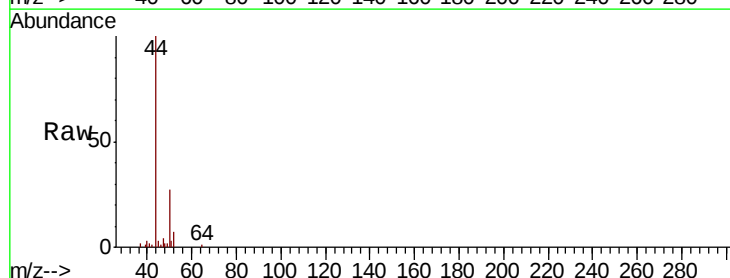
Acq: 15 Feb 2019 00:53

Tgt Ion: 50 Resp: 11235

Ion Ratio Lower Upper

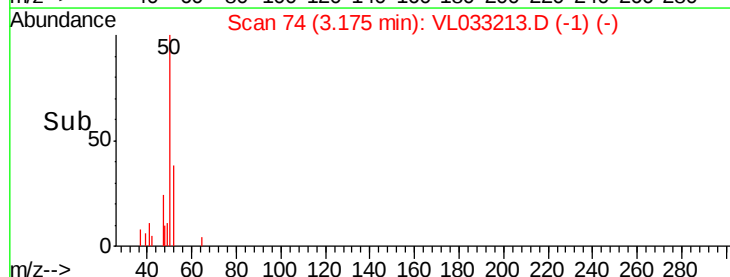
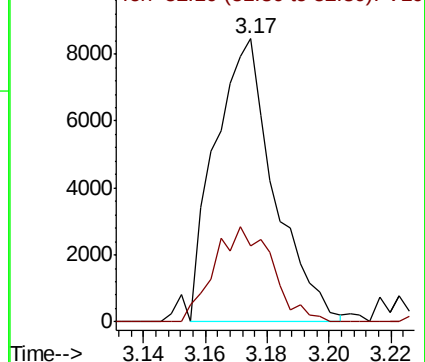
50 100

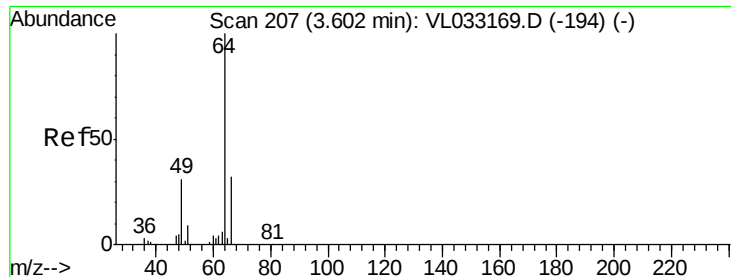
52 27.4 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 5.669 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033213.D

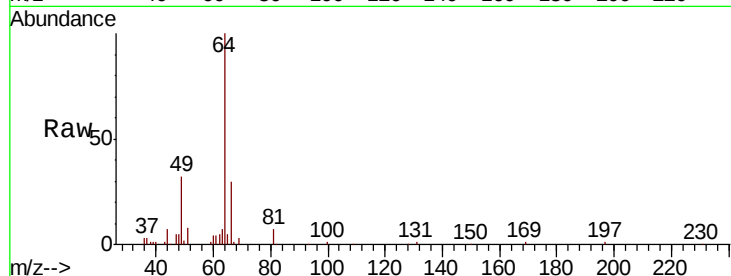
Acq: 15 Feb 2019 00:53

Tot Ion: 64 Resp: 118657

Ion Ratio Lower Upper

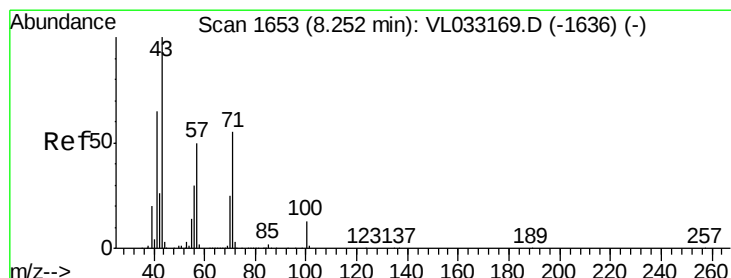
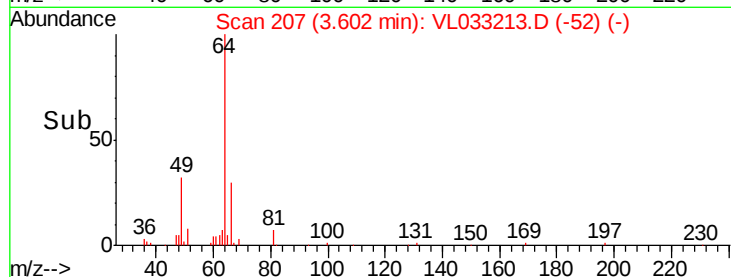
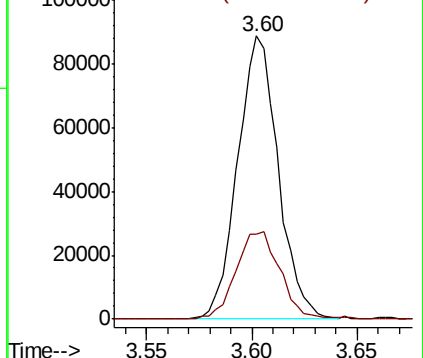
64 100

66 30.1 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: 0.142 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL033213.D

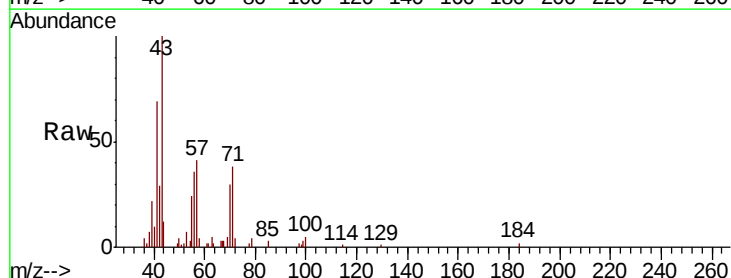
Acq: 15 Feb 2019 00:53

Tgt Ion: 43 Resp: 24017

Ion Ratio Lower Upper

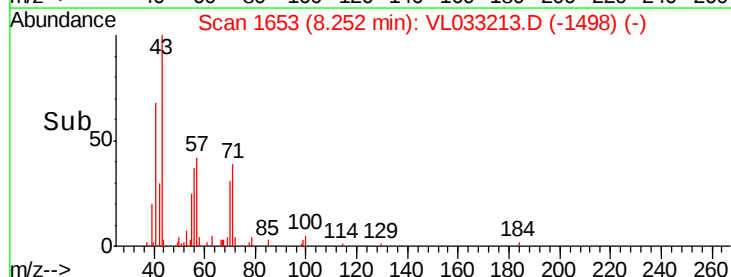
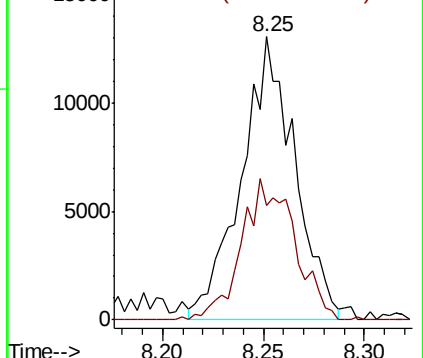
43 100

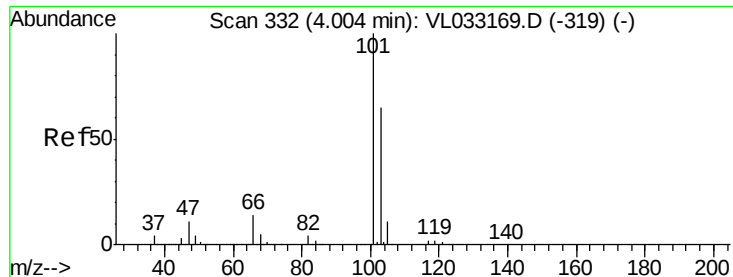
57 49.5 39.5 59.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

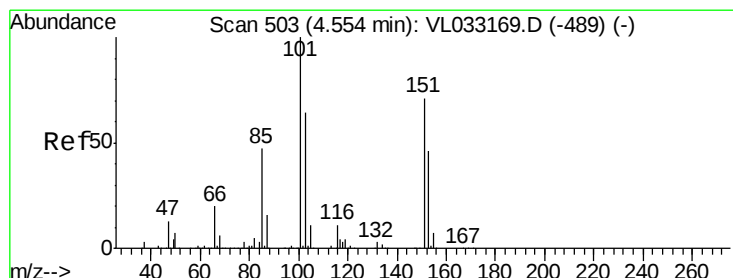
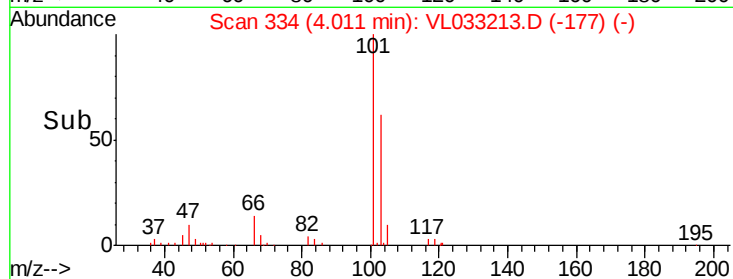
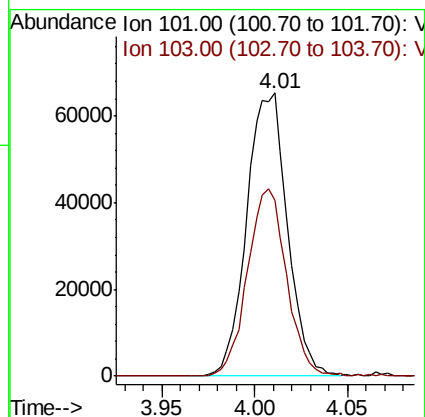
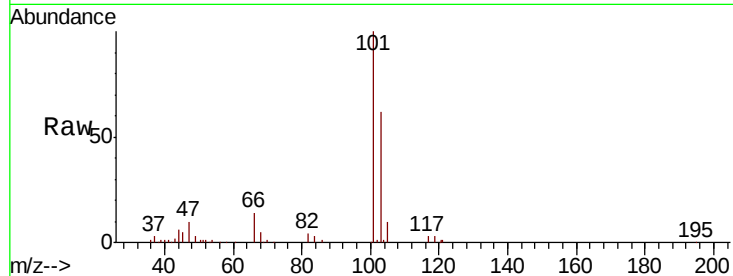
Ion 57.10 (56.80 to 57.80): VL0





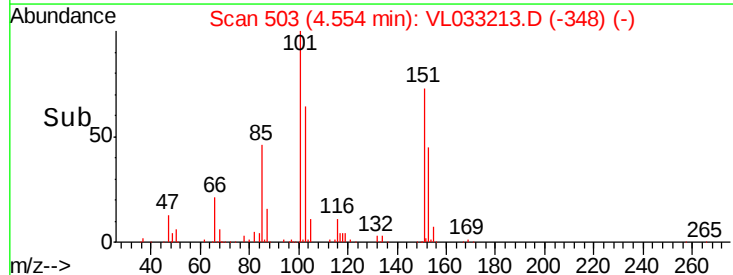
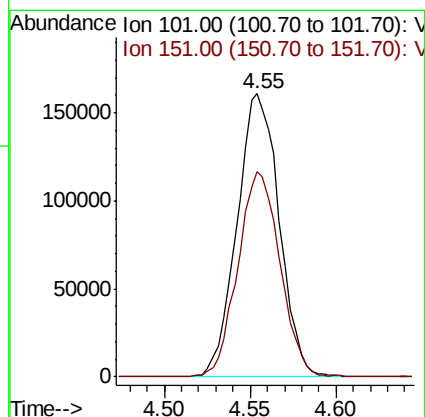
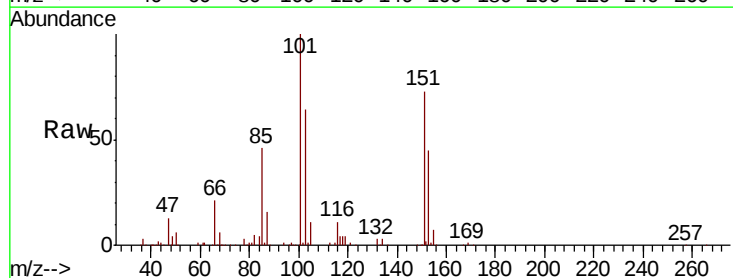
#11
 Trichlorofluoromethane
 Concen: 0.670 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: VL033213.D
 Acq: 15 Feb 2019 00:53

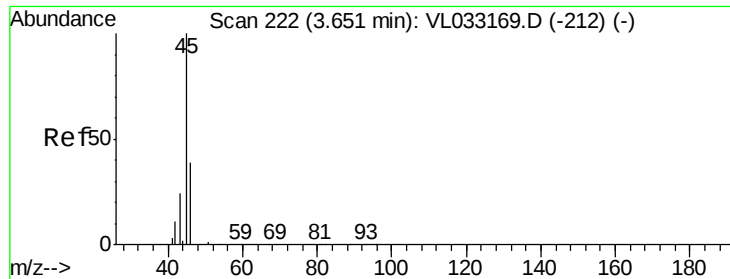
Tot Ion:101 Resp: 99976
 Ion Ratio Lower Upper
 101 100
 103 62.0 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.646 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VL033213.D
 Acq: 15 Feb 2019 00:53

Tgt Ion:101 Resp: 273729
 Ion Ratio Lower Upper
 101 100
 151 72.4 57.4 86.0





#13

Ethanol

Concen: 7.524 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL033213.D

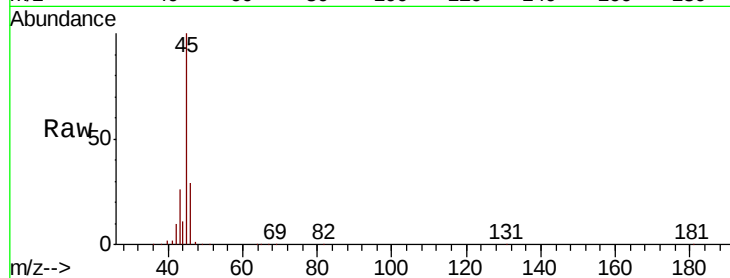
Acq: 15 Feb 2019 00:53

Tot Ion: 45 Resp: 143437

Ion Ratio Lower Upper

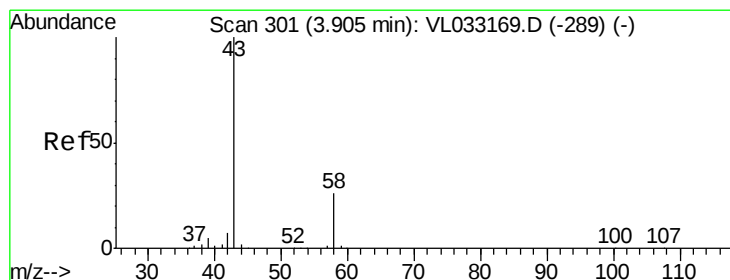
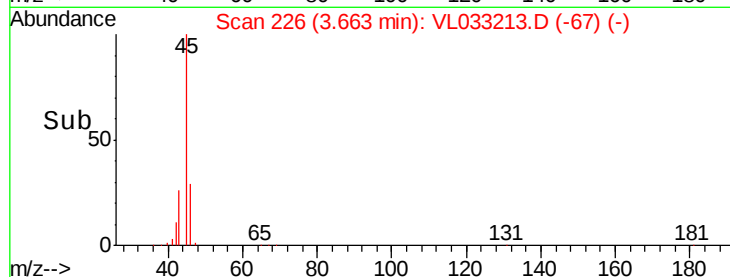
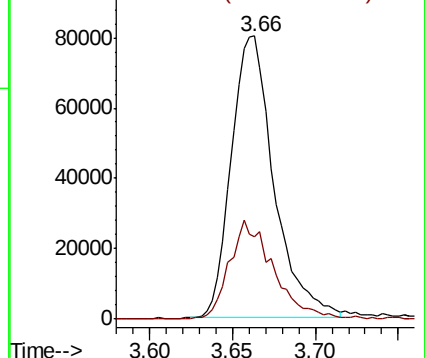
45 100

46 36.4 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: 4.888 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033213.D

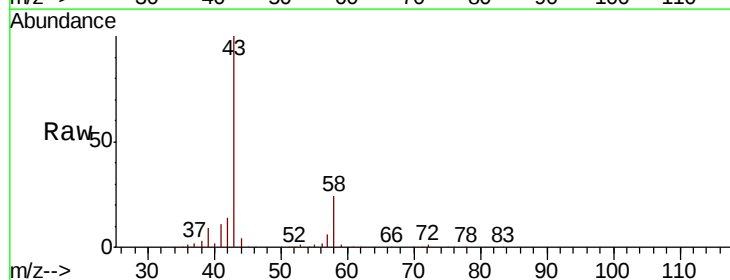
Acq: 15 Feb 2019 00:53

Tgt Ion: 43 Resp: 531134

Ion Ratio Lower Upper

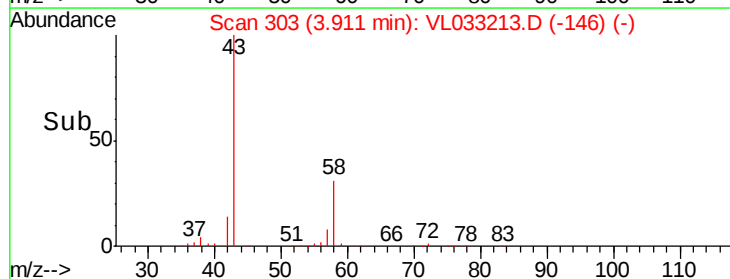
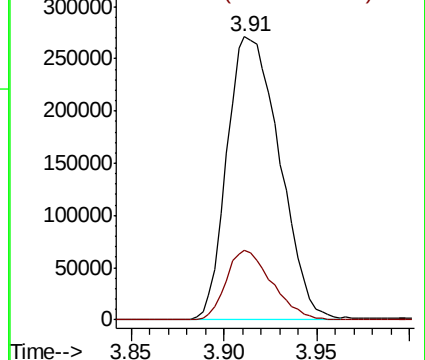
43 100

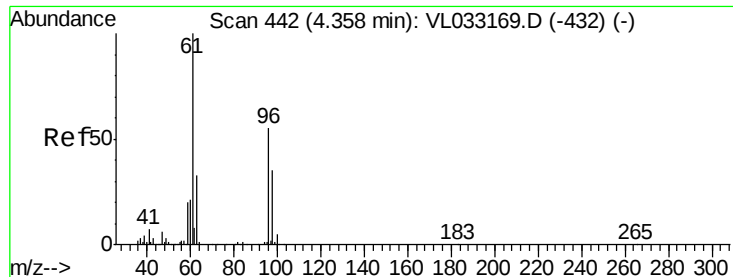
58 21.7 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#17

tert-Butyl alcohol

Concen: 1.980 ppbv

RT: 4.38 min Scan# 448

Delta R.T. 0.02 min

Lab File: VL033213.D

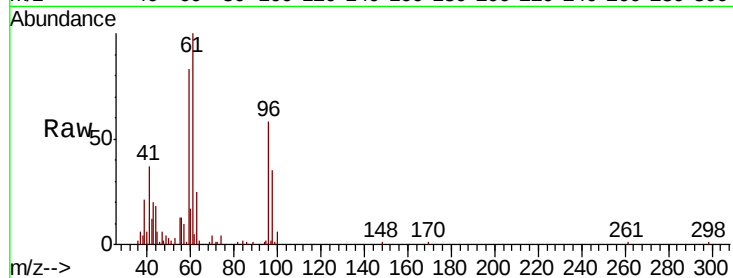
Acq: 15 Feb 2019 00:53

Tot Ion: 59 Resp: 41319

Ion Ratio Lower Upper

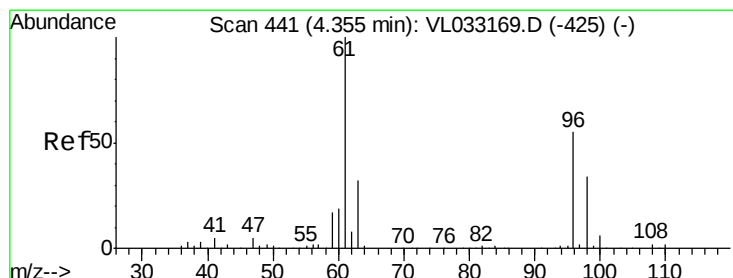
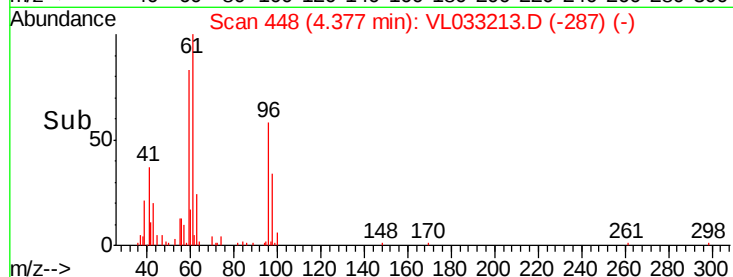
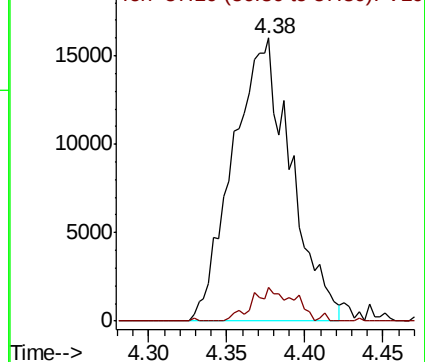
59 100

57 0.0 7.6 11.4#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 3.662 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033213.D

Acq: 15 Feb 2019 00:53

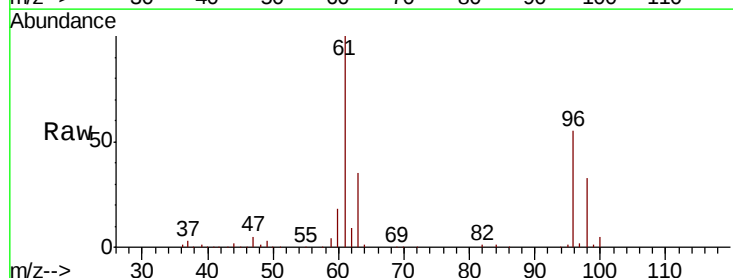
Tgt Ion: 96 Resp: 169578

Ion Ratio Lower Upper

96 100

61 181.5 145.0 217.6

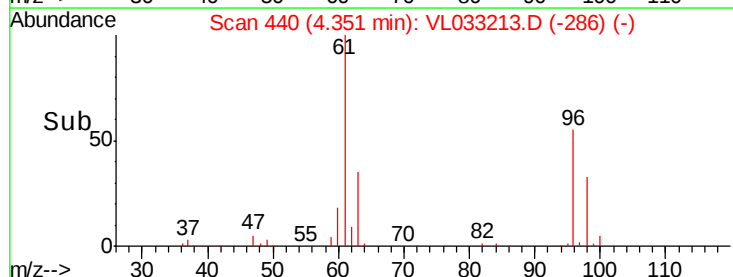
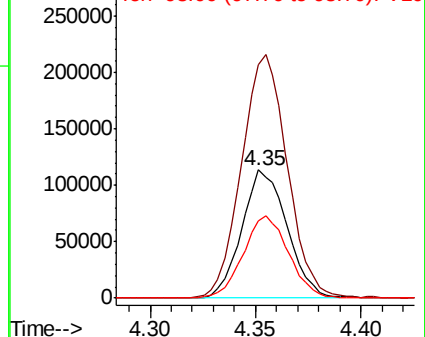
98 59.7 50.0 75.0

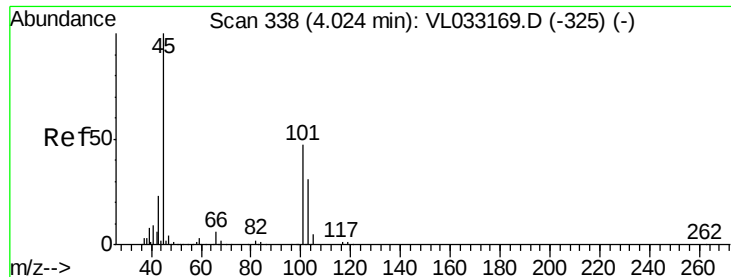


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 2.886 ppbv m

RT: 4.04 min Scan# 342

Delta R.T. 0.01 min

Lab File: VL033213.D

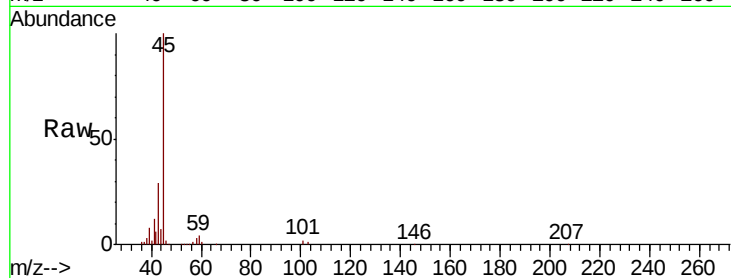
Acq: 15 Feb 2019 00:53

Tot Ion: 45 Resp: 212708

Ion Ratio Lower Upper

45 100

58 2.5 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

120000

100000

80000

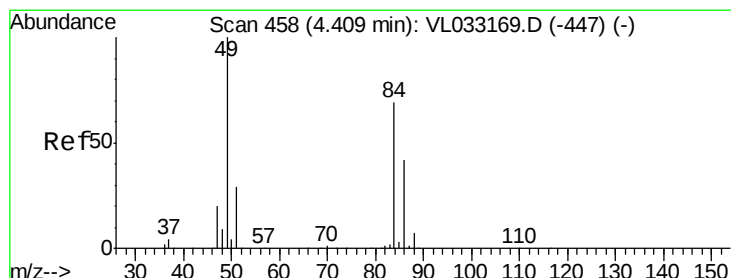
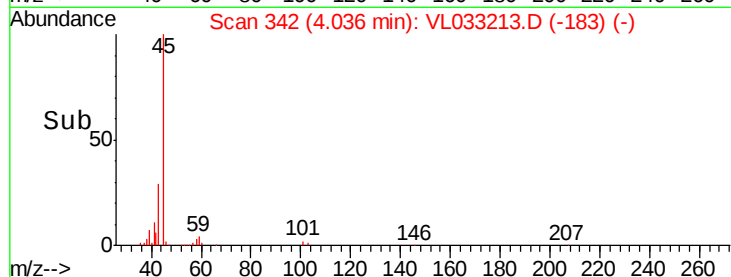
60000

40000

20000

0

Time--> 3.95 4.00 4.05 4.10 4.15



#20

Methylene Chloride

Concen: 3.014 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033213.D

Acq: 15 Feb 2019 00:53

Tgt Ion: 84 Resp: 130279

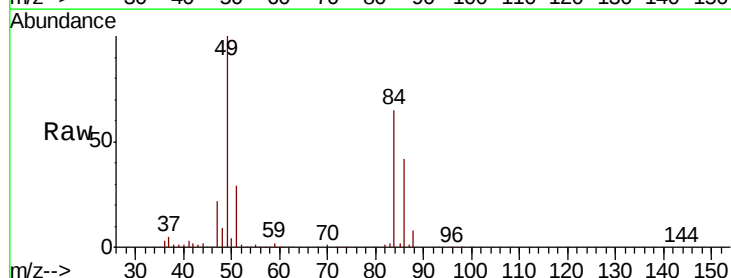
Ion Ratio Lower Upper

84 100

49 151.8 115.8 173.8

51 44.4 33.0 49.6

86 64.7 48.2 72.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

200000

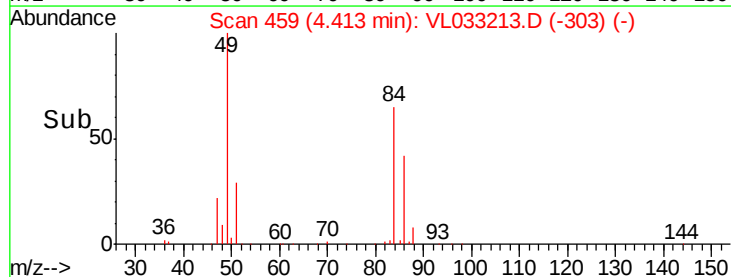
150000

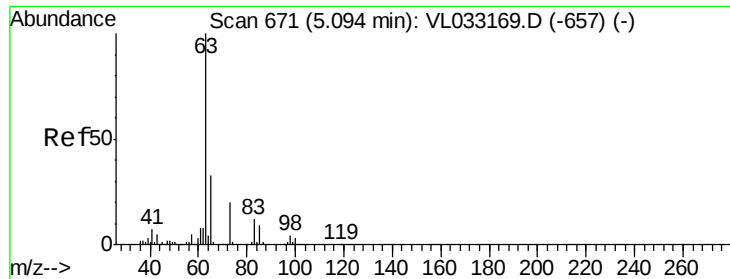
100000

50000

0

Time--> 4.35 4.40 4.45





#24

1,1-Dichloroethane

Concen: 56.203 ppbv

RT: 5.09 min Scan# 671

Delta R.T. -0.00 min

Lab File: VL033213.D

Acq: 15 Feb 2019 00:53

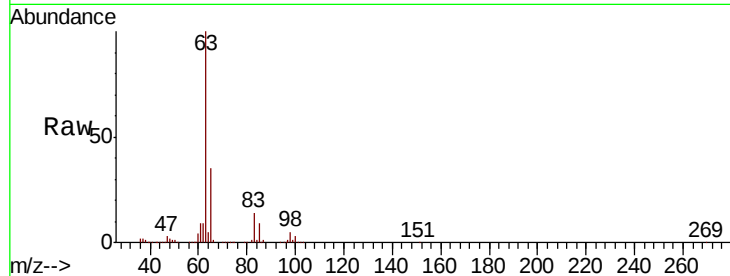
Tot Ion: 63 Resp: 7486220

Ion Ratio Lower Upper

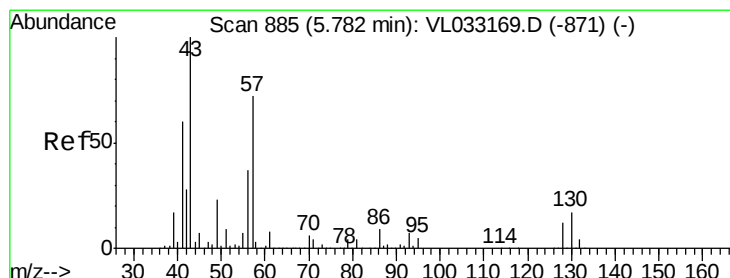
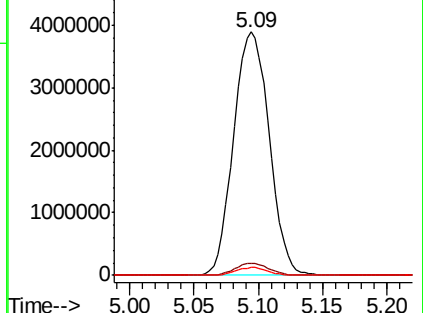
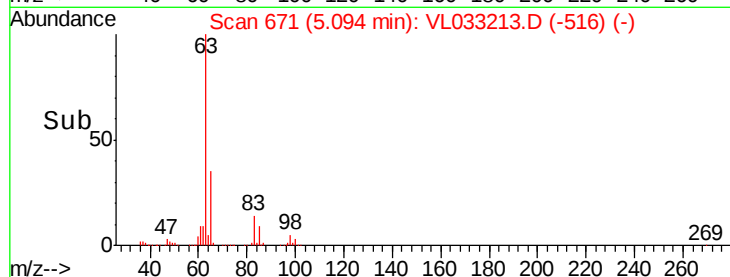
63 100

98 4.9 2.1 6.5

100 3.3 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: 1.912 ppbv

RT: 5.78 min Scan# 885

Delta R.T. -0.00 min

Lab File: VL033213.D

Acq: 15 Feb 2019 00:53

Tgt Ion: 57 Resp: 219242

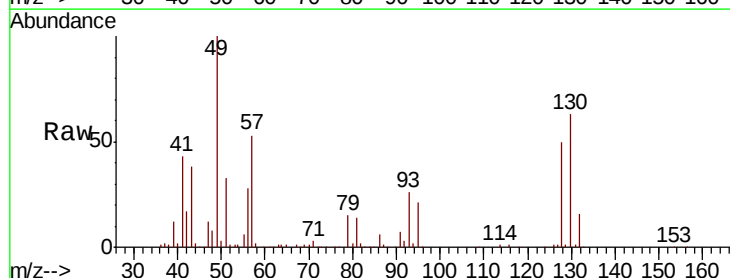
Ion Ratio Lower Upper

57 100

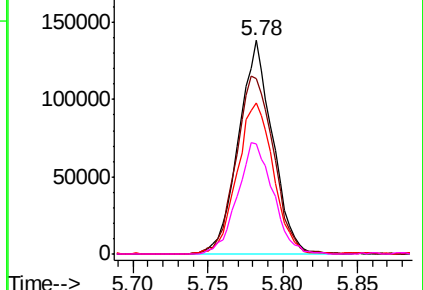
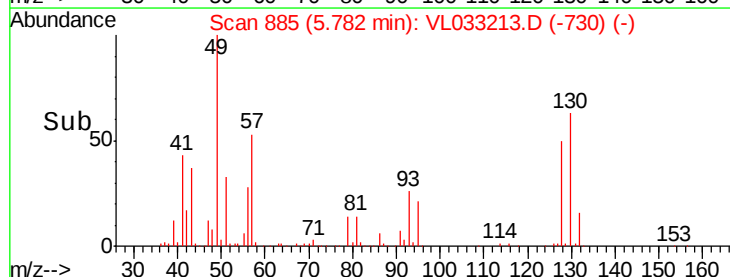
41 92.0 69.4 104.2

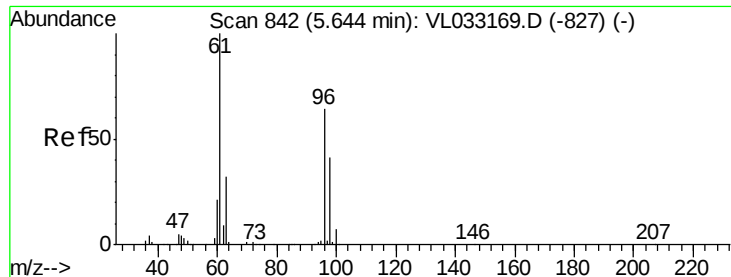
43 75.6 176.7 265.1#

56 54.4 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

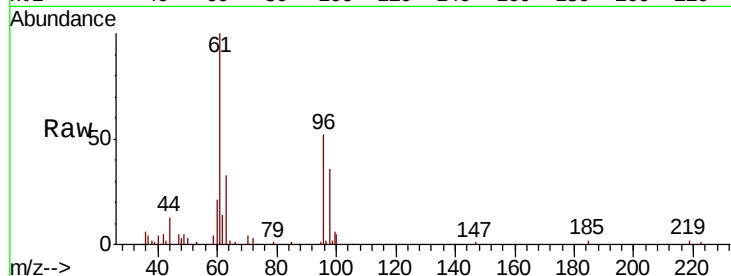




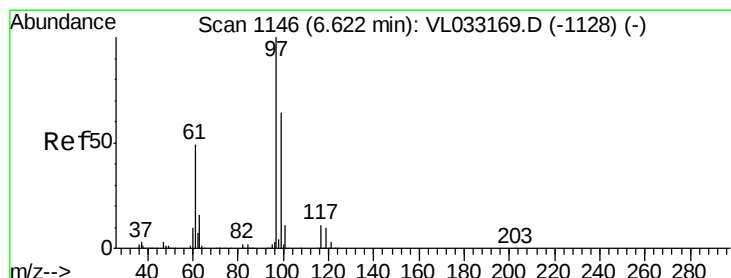
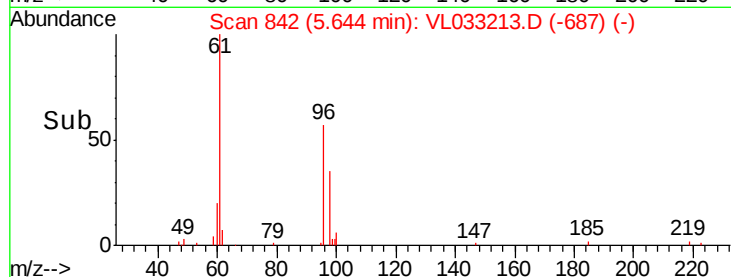
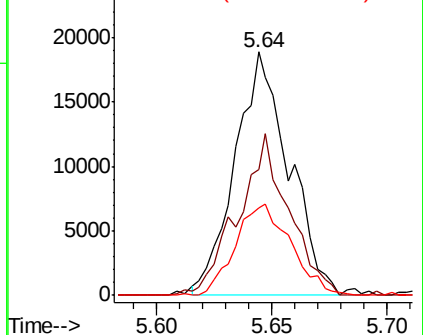
#31

cis-1,2-Dichloroethene
Concen: 0.268 ppbv m
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL033213.D
Acq: 15 Feb 2019 00:53

Tot Ion	61	Resp	30793
Ion Ratio	100		
Lower	51.2		
Upper	76.8		
96	51.6		
98	36.0		



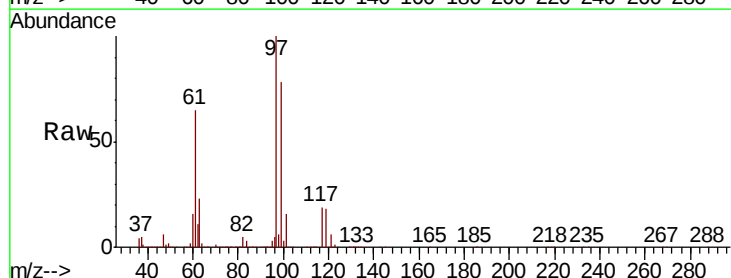
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



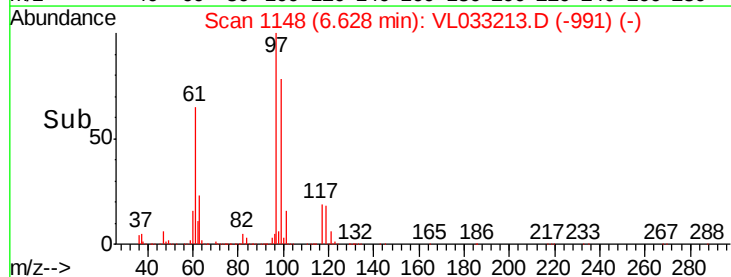
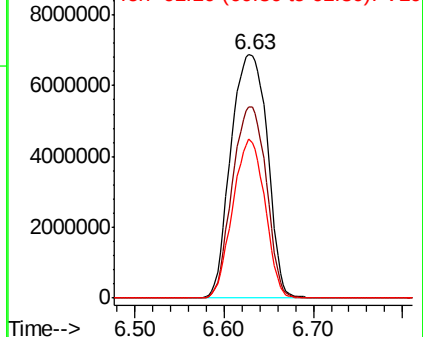
#32

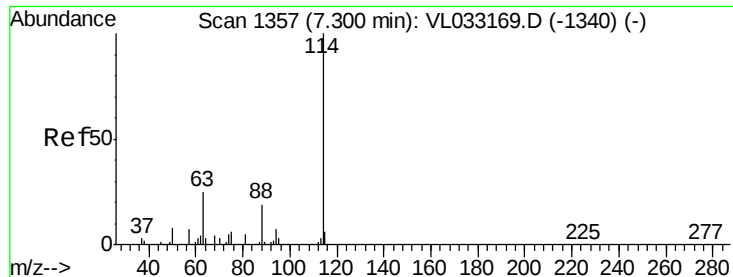
1,1,1-Trichloroethane
Concen: 101.373 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VL033213.D
Acq: 15 Feb 2019 00:53

Tgt Ion	97	Resp	19618276
Ion Ratio	100		
Lower	51.4		
Upper	77.2		
99	73.2		
61	57.6		



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: VL033213.D

Acq: 15 Feb 2019 00:53

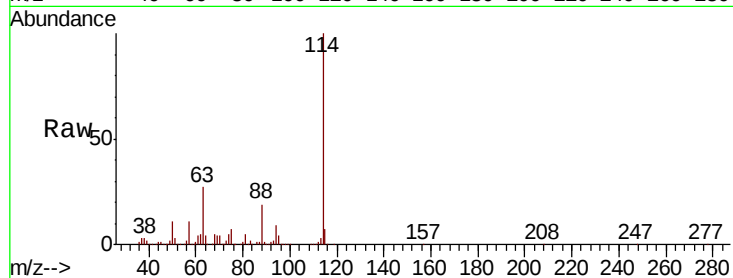
Tot Ion:114 Resp: 2103016

Ion Ratio Lower Upper

114 100

63 27.4 20.8 31.2

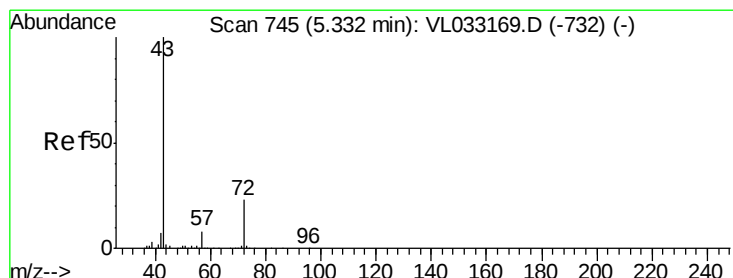
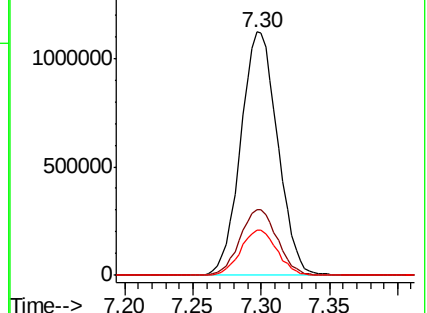
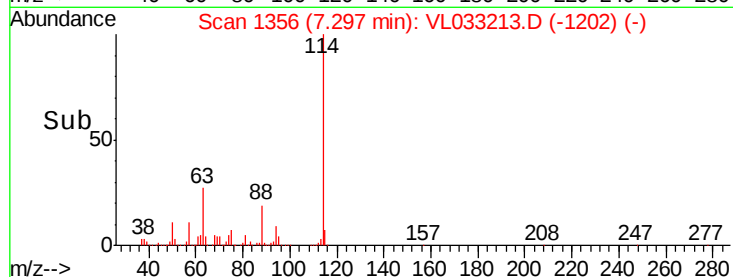
88 18.3 14.6 22.0



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: 0.542 ppbv

RT: 5.34 min Scan# 748

Delta R.T. 0.01 min

Lab File: VL033213.D

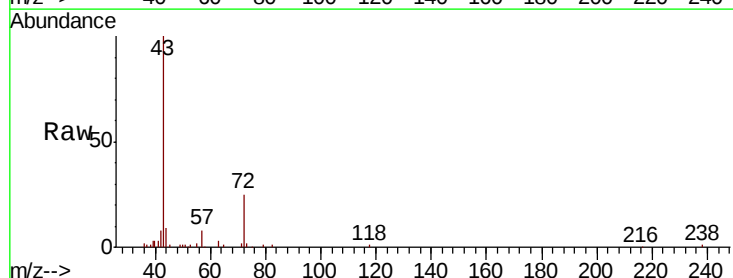
Acq: 15 Feb 2019 00:53

Tgt Ion: 43 Resp: 72316

Ion Ratio Lower Upper

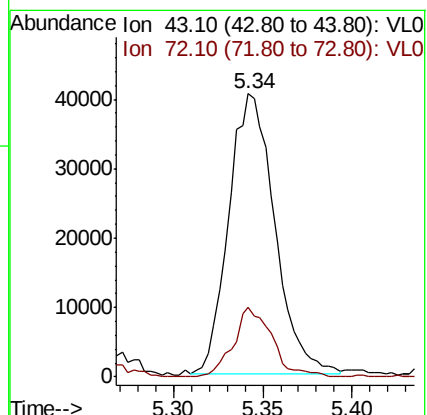
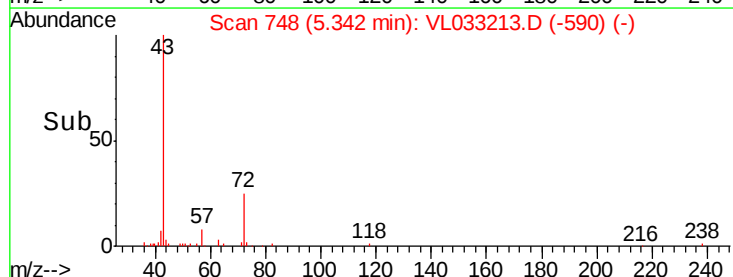
43 100

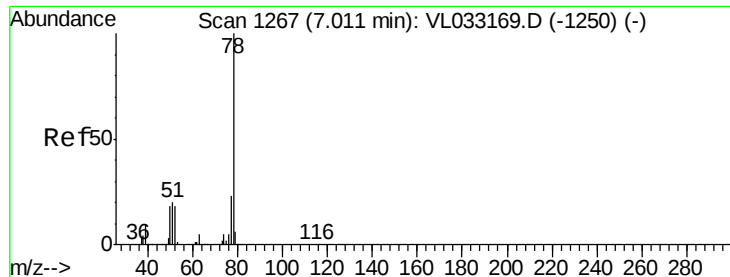
72 20.9 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.202 ppbv

RT: 7.01 min Scan# 1267

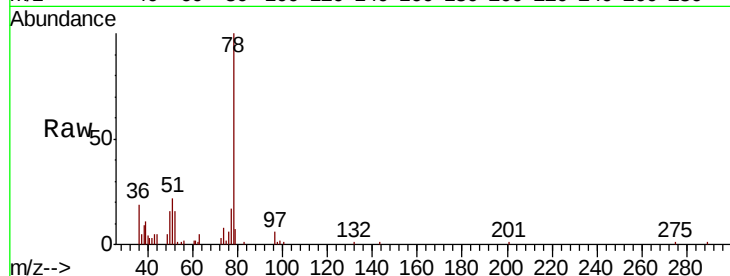
Delta R.T. -0.00 min

Lab File: VL033213.D

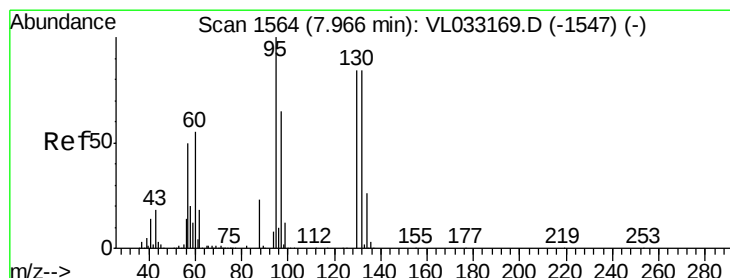
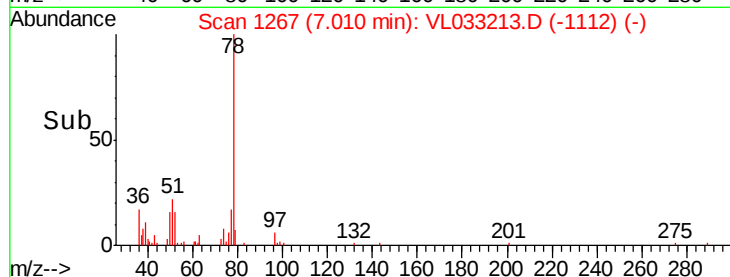
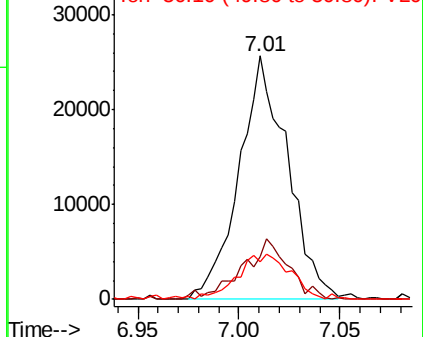
Acq: 15 Feb 2019 00:53

Tot Ion: 78 Resp: 43080

Ion	Ratio	Lower	Upper
78	100		
77	16.6	18.0	27.0#
50	14.9	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



#38

Trichloroethene

Concen: 0.846 ppbv

RT: 7.97 min Scan# 1564

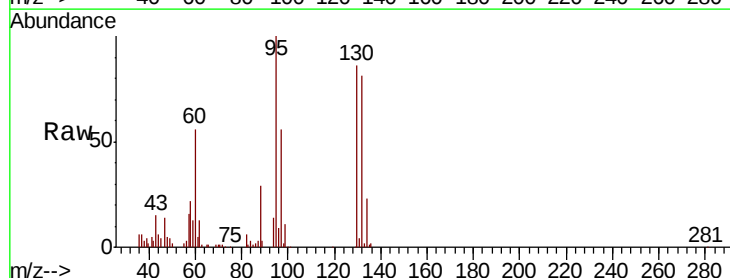
Delta R.T. -0.00 min

Lab File: VL033213.D

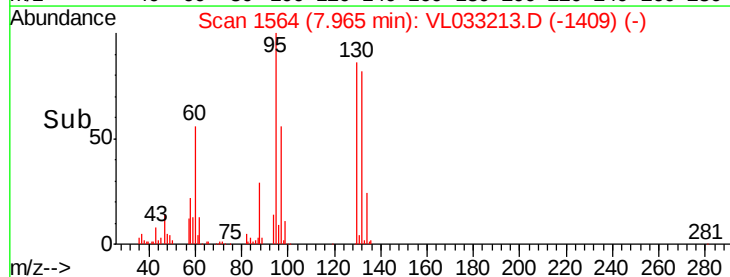
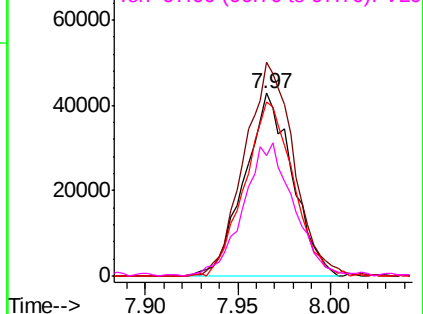
Acq: 15 Feb 2019 00:53

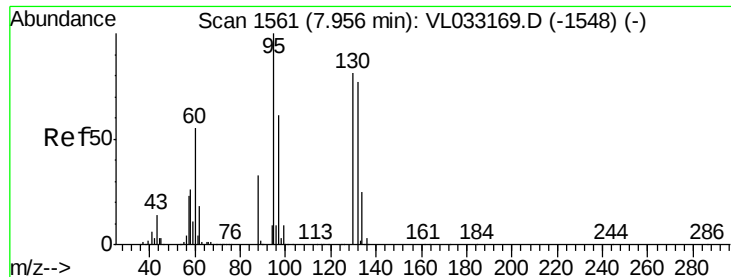
Tgt Ion: 130 Resp: 77019

Ion	Ratio	Lower	Upper
130	100		
95	116.1	95.5	143.3
132	97.9	80.0	120.0
97	64.8	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: 1.680 ppbv m

RT: 7.98 min Scan# 1567

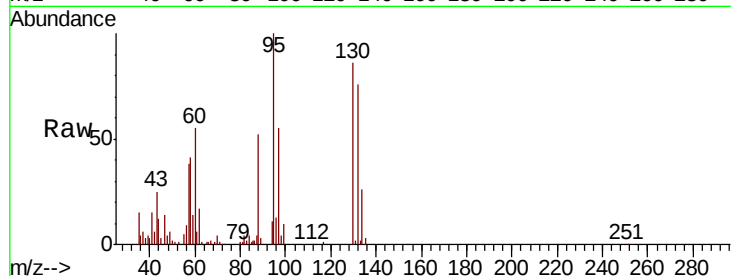
Delta R.T. 0.02 min

Lab File: VL033213.D

Acq: 15 Feb 2019 00:53

Tot Ion: 88 Resp: 50223

Ion	Ratio	Lower	Upper
88	100		
58	93.0	106.4	159.6#
43	10.2	219.6	329.4#
57	0.0	993.3	1489.9#

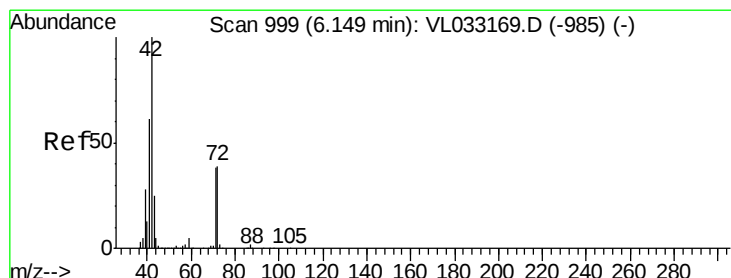
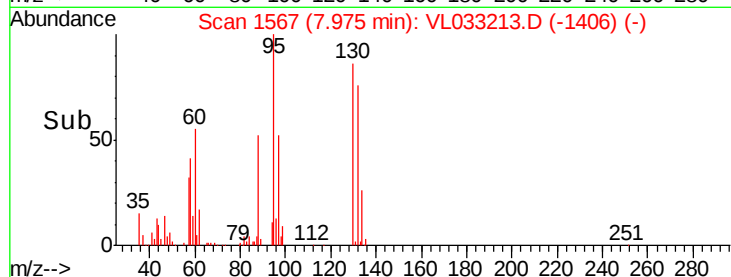


Abundance Ion 88.10 (87.80 to 88.80): VL0

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



#41

Tetrahydrofuran

Concen: 0.149 ppbv

RT: 6.16 min Scan# 1004

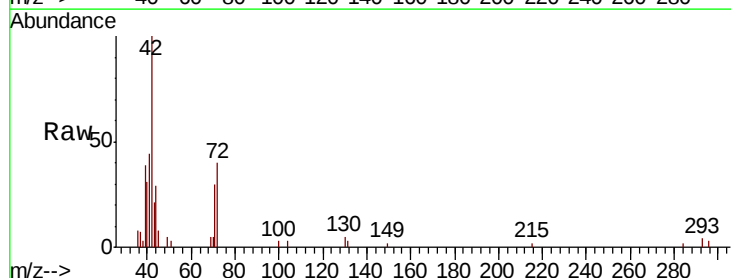
Delta R.T. 0.02 min

Lab File: VL033213.D

Acq: 15 Feb 2019 00:53

Tgt Ion: 42 Resp: 12311

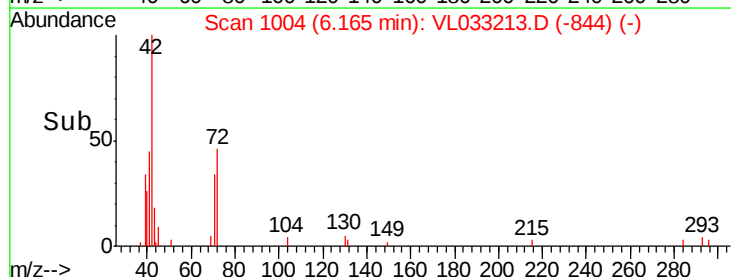
Ion	Ratio	Lower	Upper
42	100		
72	40.5	31.4	47.2
71	43.1	30.2	45.2

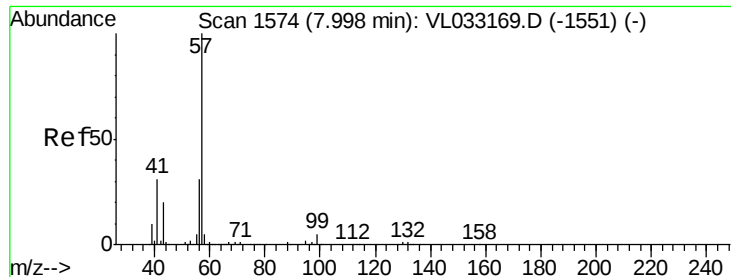


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.206 ppbv m

RT: 8.00 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL033213.D

Acq: 15 Feb 2019 00:53

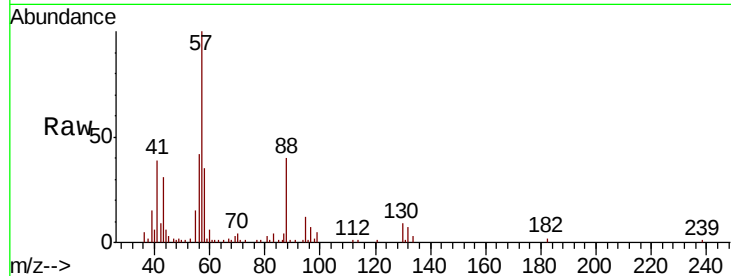
Tot Ion: 57 Resp: 74354

Ion Ratio Lower Upper

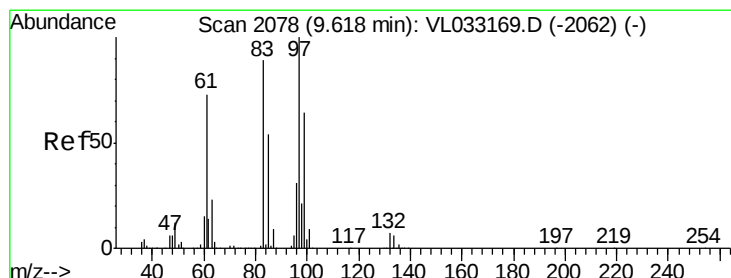
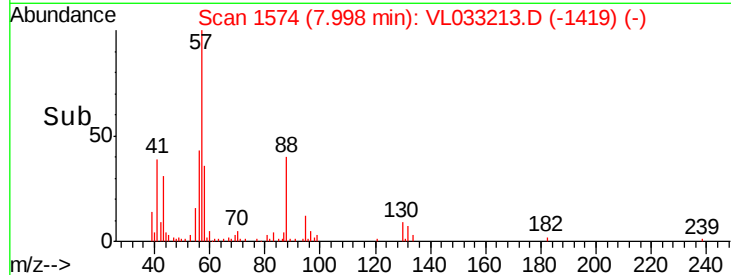
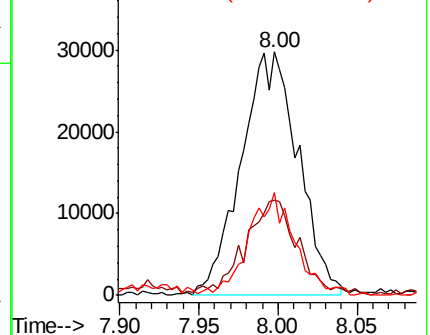
57 100

41 36.2 25.2 37.8

56 34.2 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: 0.273 ppbv m

RT: 9.62 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VL033213.D

Acq: 15 Feb 2019 00:53

Tgt Ion: 97 Resp: 23793

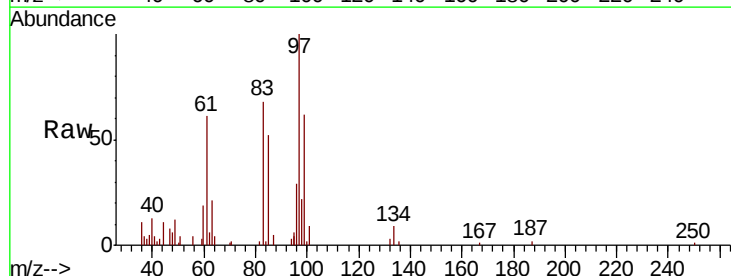
Ion Ratio Lower Upper

97 100

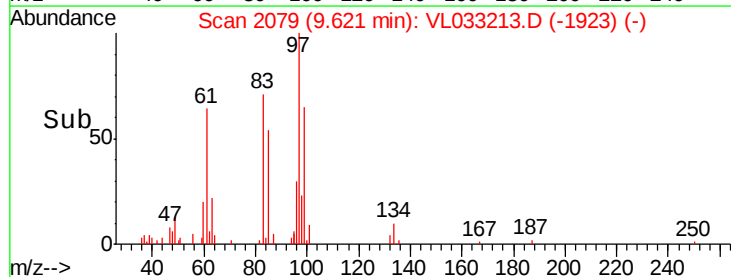
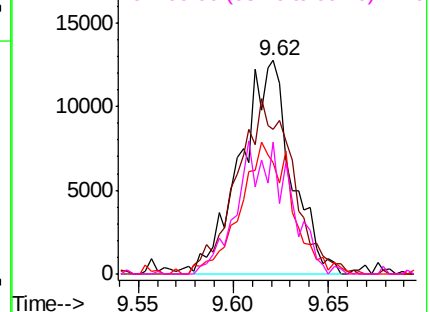
83 68.0 71.4 107.2#

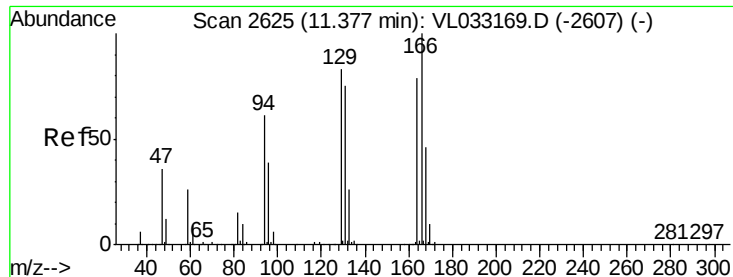
85 52.2 43.5 65.3

99 62.0 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: 1.409 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. -0.00 min

Lab File: VL033213.D

Acq: 15 Feb 2019 00:53

Tot Ion:164 Resp: 115414

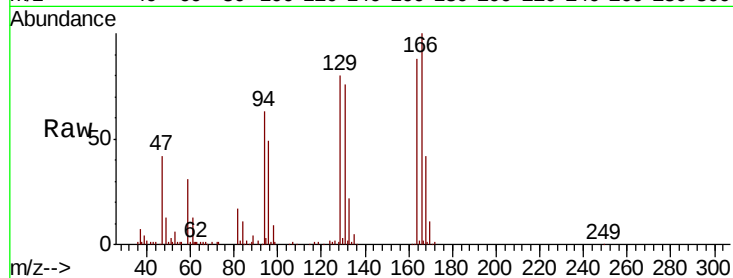
Ion Ratio Lower Upper

164 100

166 113.7 100.9 151.3

129 90.8 83.9 125.9

131 86.8 76.2 114.2



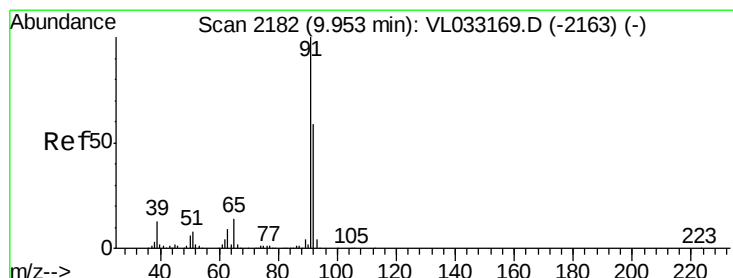
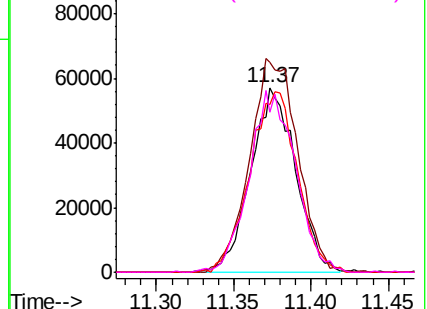
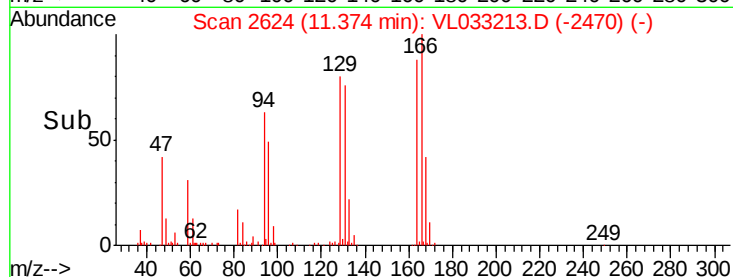
Abundance

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: 0.561 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033213.D

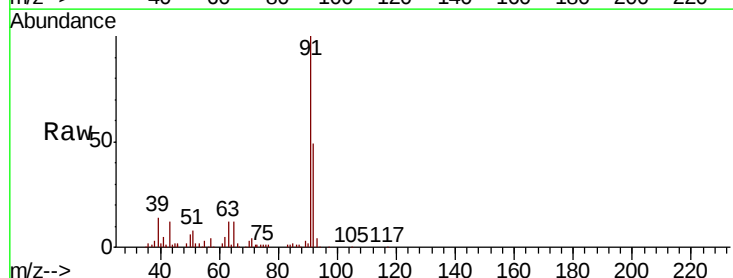
Acq: 15 Feb 2019 00:53

Tgt Ion: 91 Resp: 141466

Ion Ratio Lower Upper

91 100

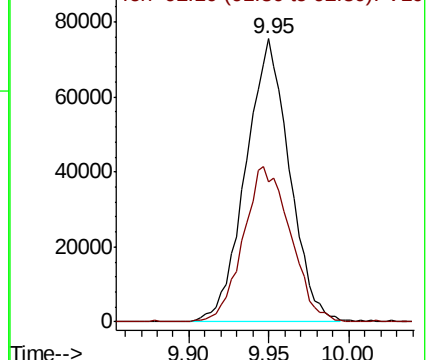
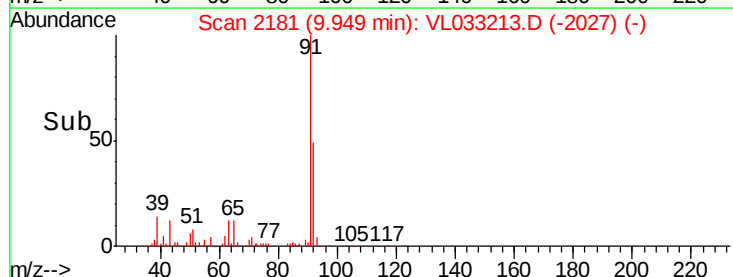
92 59.2 48.0 72.0

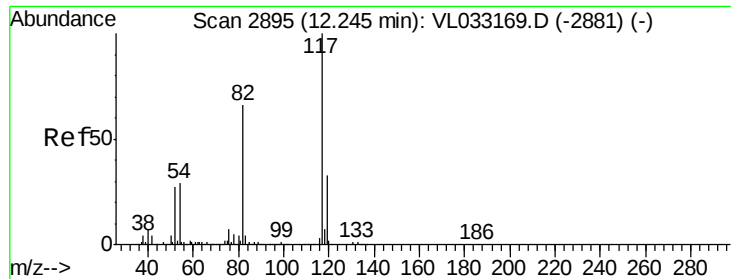


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

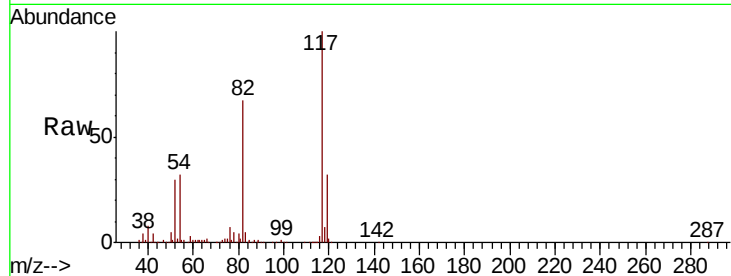




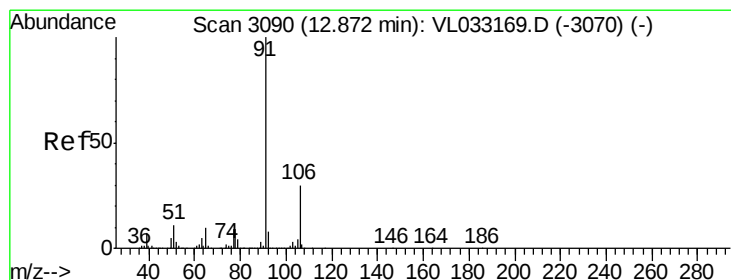
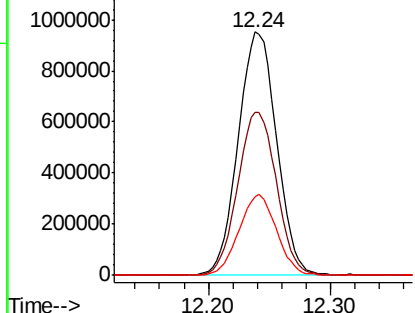
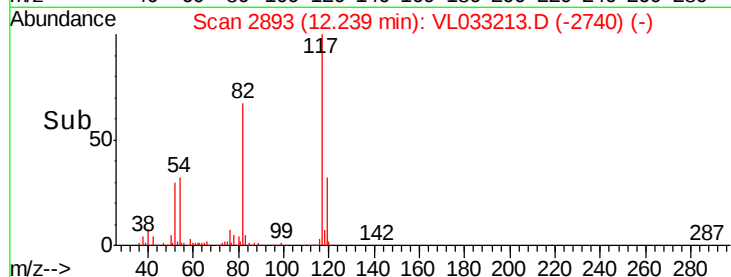
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033213.D
Acq: 15 Feb 2019 00:53

Tot Ion:117 Resp: 2074358

Ion	Ratio	Lower	Upper
117	100		
82	67.5	53.8	80.8
119	32.4	46.9	70.3#



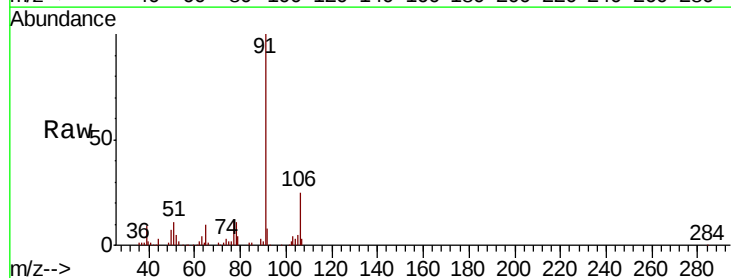
Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V



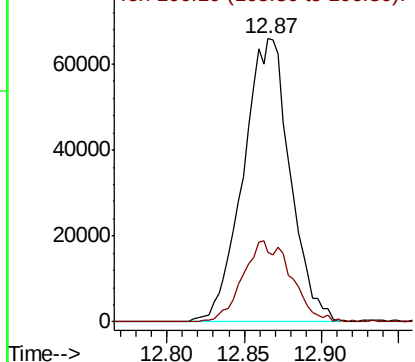
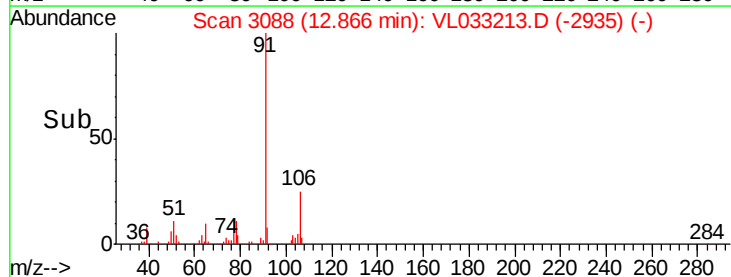
#58
Ethyl Benzene
Concen: 0.408 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033213.D
Acq: 15 Feb 2019 00:53

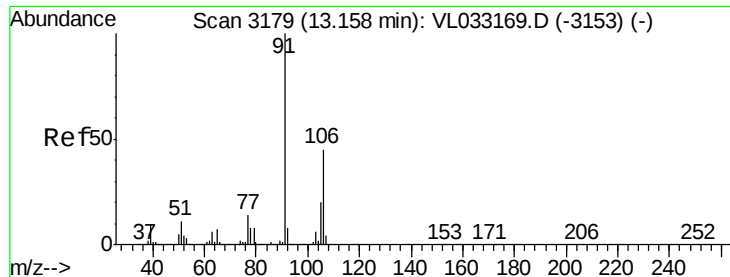
Tgt Ion: 91 Resp: 138981

Ion	Ratio	Lower	Upper
91	100		
106	24.7	23.8	35.8



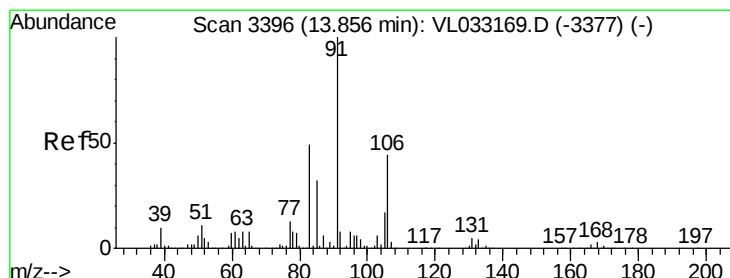
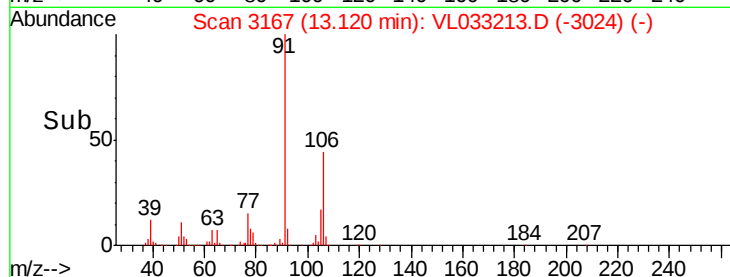
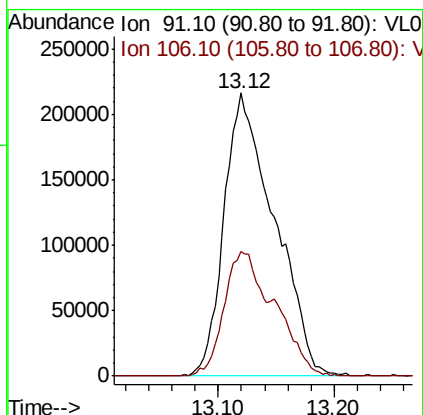
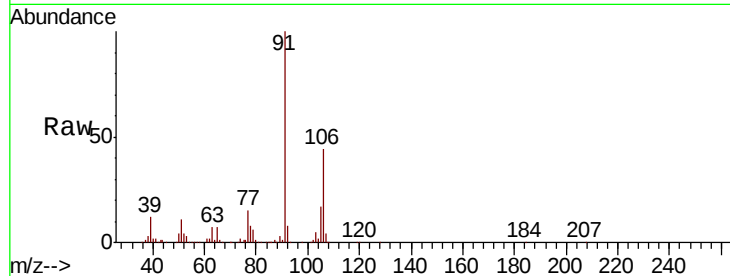
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 106.10 (105.80 to 106.80): V





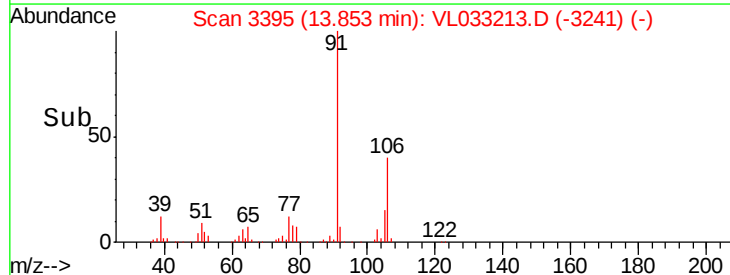
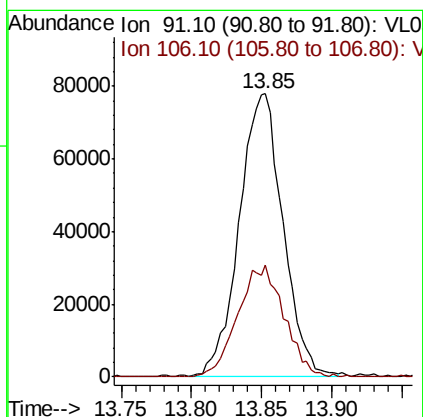
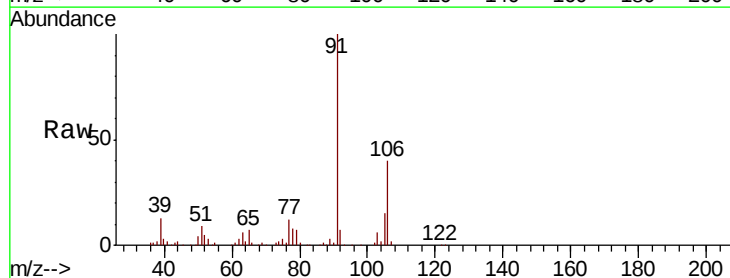
#59
m/p-Xylene
Concen: 2.269 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. -0.04 min
Lab File: VL033213.D
Acq: 15 Feb 2019 00:53

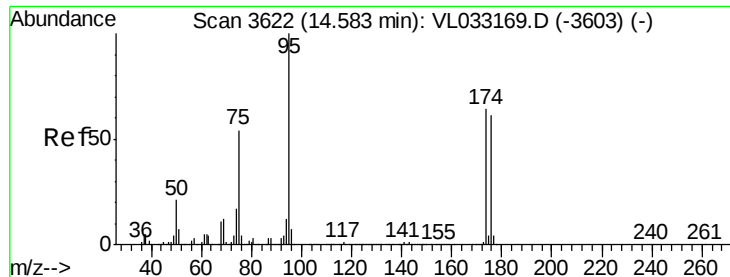
Tot Ion: 91 Resp: 642593
Ion Ratio Lower Upper
91 100
106 44.6 36.6 55.0



#60
o-Xylene
Concen: 0.607 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033213.D
Acq: 15 Feb 2019 00:53

Tgt Ion: 91 Resp: 167549
Ion Ratio Lower Upper
91 100
106 42.0 21.8 65.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.376 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033213.D

Acq: 15 Feb 2019 00:53

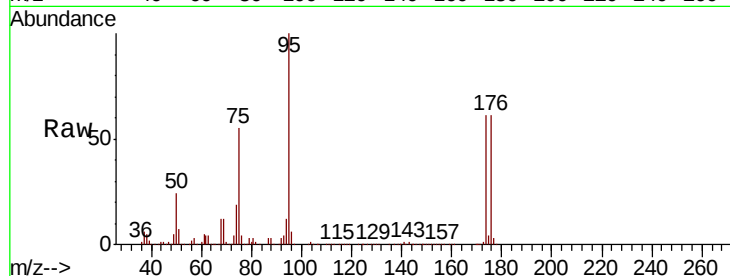
Tot Ion: 95 Resp: 1677308

Ion Ratio Lower Upper

95 100

174 62.8 51.1 76.7

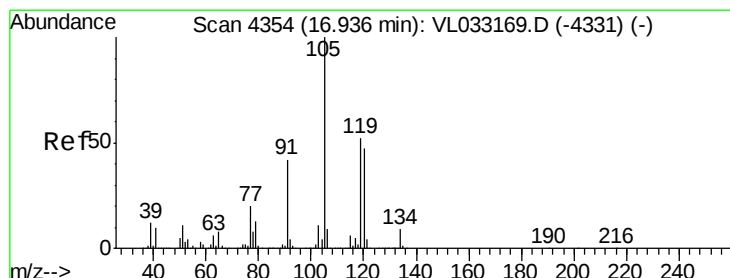
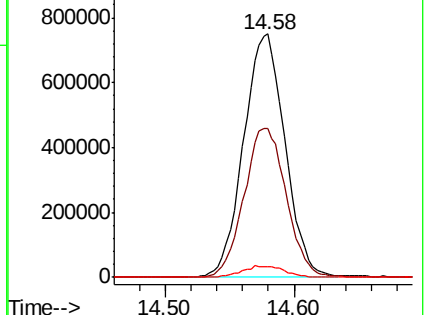
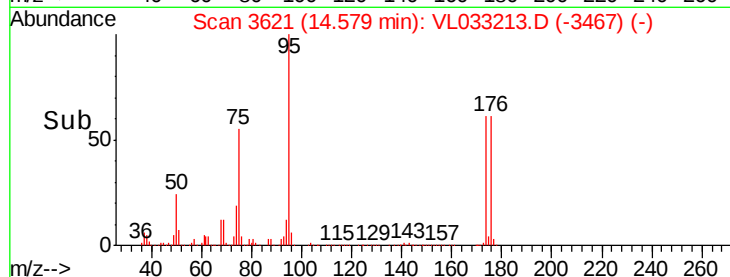
175 4.8 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#74

1,2,4-Trimethylbenzene

Concen: 0.326 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.01 min

Lab File: VL033213.D

Acq: 15 Feb 2019 00:53

Tgt Ion: 105 Resp: 102948

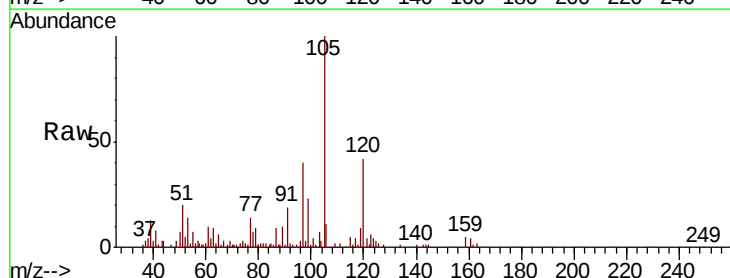
Ion Ratio Lower Upper

105 100

120 41.9 37.9 56.9

91 18.7 34.0 51.0#

77 14.4 15.7 23.5#



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

