

Data File : VL033224.D
Acq On : 15 Feb 2019 9:48
Operator : SY/AP
Sample : K1483-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 16 04:13:33 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)
1) Bromochloromethane	5.76	49	873176	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1866762	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1882036	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1524878	10.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	89404	0.536	ppbv	98
3) Chlorodifluoromethane	3.02	51	46922	0.446	ppbv	97
4) Chloromethane	3.17	50	11202	0.202	ppbv	96
7) Chloroethane	3.60	64	24895	1.314	ppbv #	87
9) Propene	3.24	41	146110	2.877	ppbv	94
10) Heptane	8.25	43	25669	0.167	ppbv	97
11) Trichlorofluoromethane	4.01	101	49815	0.369	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.56	101	121532	1.297	ppbv	96
13) Ethanol	3.65	45	73645	4.348	ppbv	99
15) Acetone	3.91	43	675006	6.862	ppbv #	84
16) 1,3-Butadiene	3.34	39	30391	0.651	ppbv #	11
17) tert-Butyl alcohol	4.37	59	23213	1.238	ppbv #	74
18) 1,1-Dichloroethene	4.35	96	56433	1.346	ppbv	97
19) Isopropyl Alcohol	4.02	45	843676	12.645	ppbv	99
20) Methylene Chloride	4.41	84	101700	2.599	ppbv	94
21) Allyl Chloride	4.44	41	7066	0.109	ppbv #	2
22) trans-1,2-Dichloroethene	4.97	96	13068	0.321	ppbv	87
23) Vinyl Acetate	5.14	43	27970	0.164	ppbv #	1
24) 1,1-Dichloroethane	5.09	63	3306069	27.414	ppbv	100
25) Ethyl Acetate	5.78	43	99259	0.449	ppbv #	79
26) Hexane	5.78	57	134878	1.299	ppbv #	41
29) Chloroform	5.85	83	10320	0.065	ppbv	86
30) Cyclohexane	7.25	84	4103	0.043	ppbv #	1
31) cis-1,2-Dichloroethene	5.64	61	16393	0.158	ppbv	94
32) 1,1,1-Trichloroethane	6.62	97	5268155	30.067	ppbv	99
34) 2-Butanone	5.34	43	48283	0.408	ppbv	100
35) Carbon Tetrachloride	7.13	117	7329	0.051	ppbv	89
36) Benzene	7.01	78	48612	0.257	ppbv #	94
37) 1,2-Dichloroethane	6.62	62	374279	3.570	ppbv #	1
38) Trichloroethene	7.96	130	41710	0.515	ppbv	91
39) 1,2-Dichloropropane	7.30	63	511664	6.848	ppbv #	25
40) 1,4-Dioxane	7.97	88	115646	4.259	ppbv #	1
41) Tetrahydrofuran	6.17	42	2313	0.032	ppbv #	30
44) 2,2,4-Trimethylpentane	7.99	57	95874	0.299	ppbv #	91
47) 1,1,2-Trichloroethane	9.62	97	8724	0.113	ppbv #	69
52) Tetrachloroethene	11.37	164	36766	0.506	ppbv	94
53) Toluene	9.95	91	190579	0.851	ppbv	95
58) Ethyl Benzene	12.86	91	128405	0.422	ppbv #	85
59) m/p-Xylene	13.12	91	598307	2.354	ppbv #	100
60) o-Xylene	13.85	91	155444	0.629	ppbv	96
72) 4-Ethyltoluene	16.00	105	18676	0.066	ppbv #	70

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021419\
Quantitation Report (Not Reviewed)

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Acq On : 15 Feb 2019 9:48
Operator : SY/AP
Sample : K1483-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

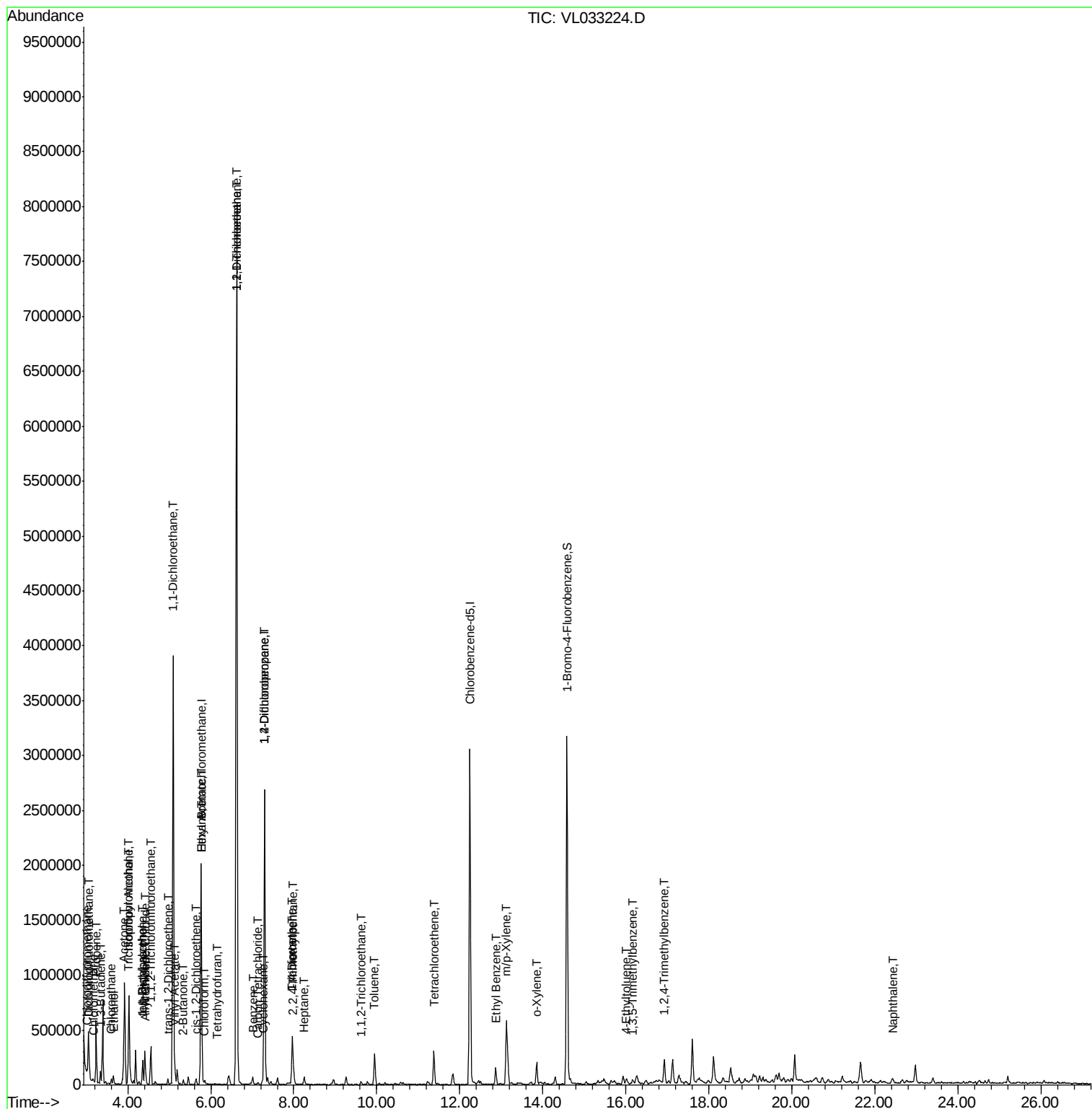
Quant Time: Feb 16 04:13:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

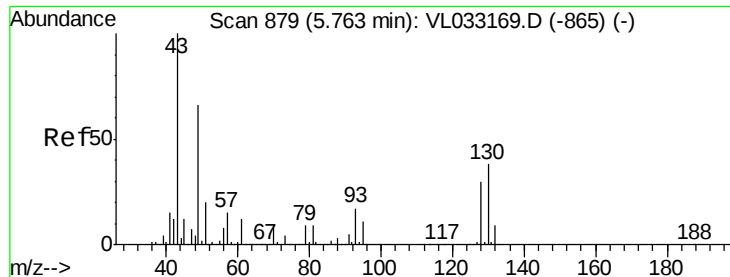
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	16.16	105	14083	0.052	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.93	105	95857	0.339	ppbv #	70
79) Naphthalene	22.42	128	17157	0.056	ppbv	98

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

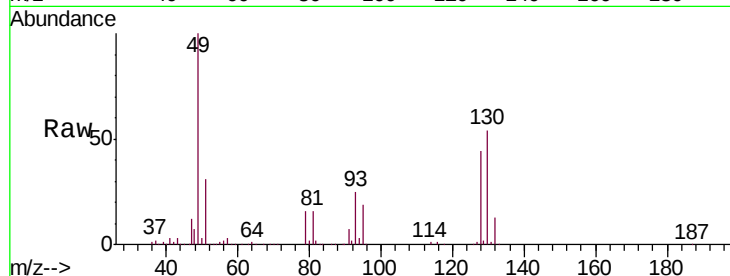
Tgt Ion: 49 Resp: 873176

Ion Ratio Lower Upper

49 100

128 44.6 23.6 71.0

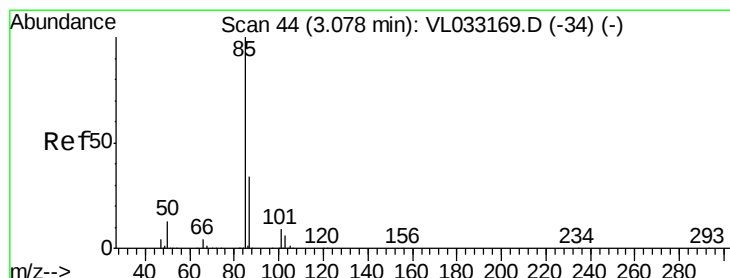
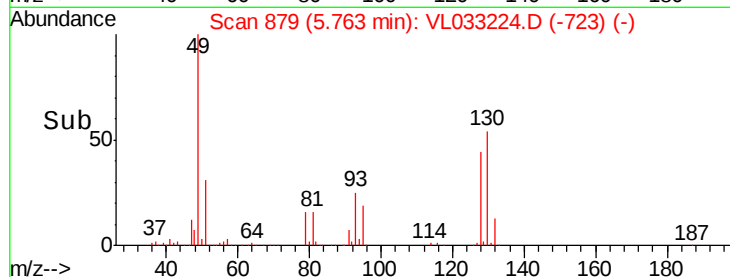
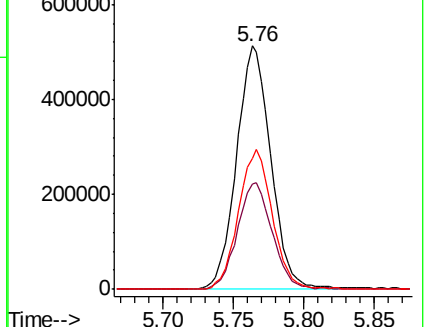
130 57.5 30.3 91.0



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: 0.536 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033224.D

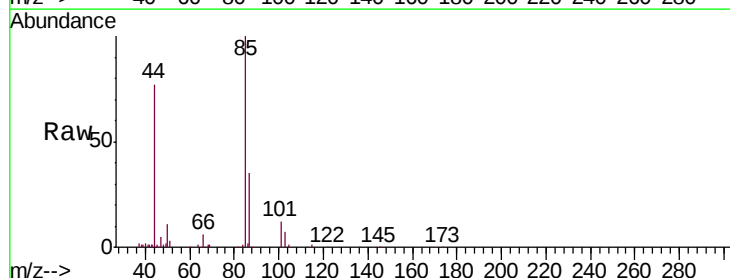
Acq: 15 Feb 2019 9:48

Tgt Ion: 85 Resp: 89404

Ion Ratio Lower Upper

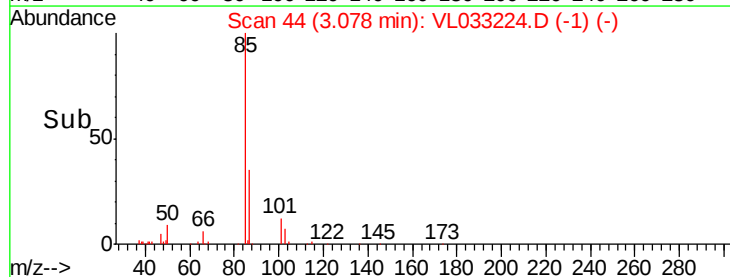
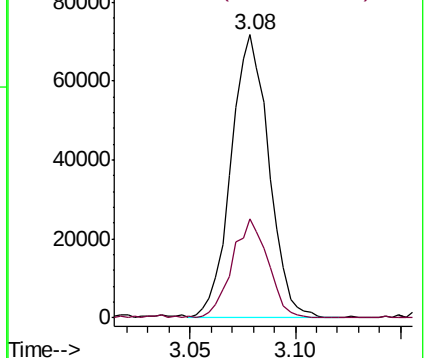
85 100

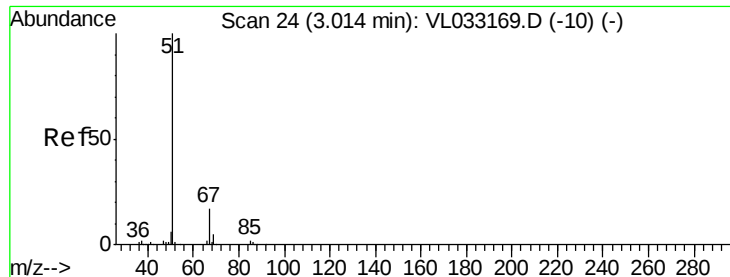
87 35.2 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.446 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033224.D

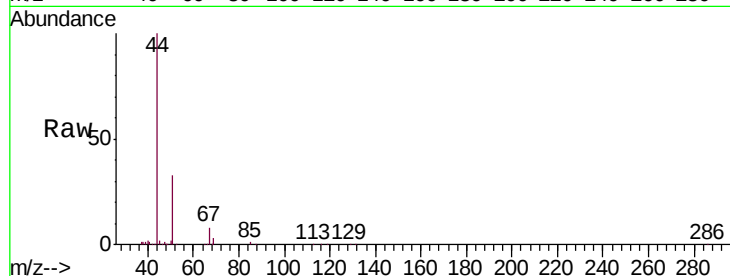
Acq: 15 Feb 2019 9:48

Tgt Ion: 51 Resp: 46922

Ion Ratio Lower Upper

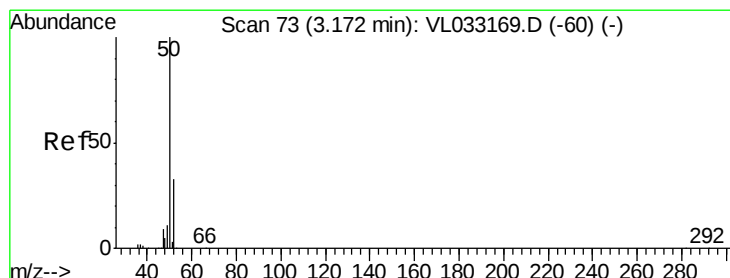
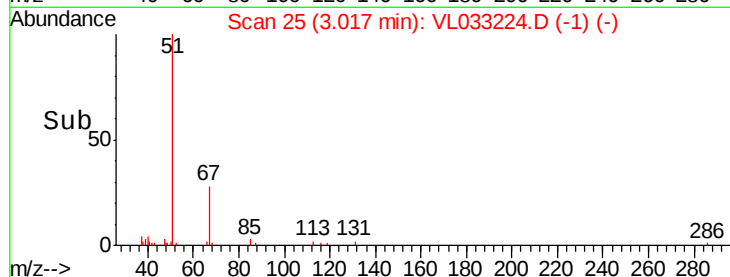
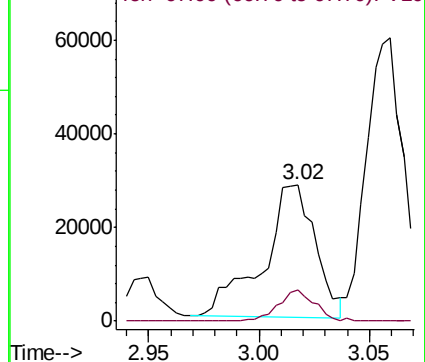
51 100

67 16.3 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: 0.202 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033224.D

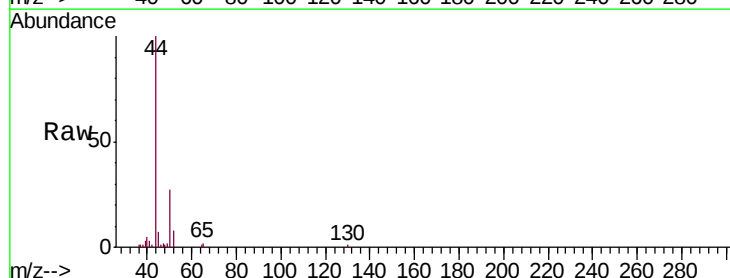
Acq: 15 Feb 2019 9:48

Tgt Ion: 50 Resp: 11202

Ion Ratio Lower Upper

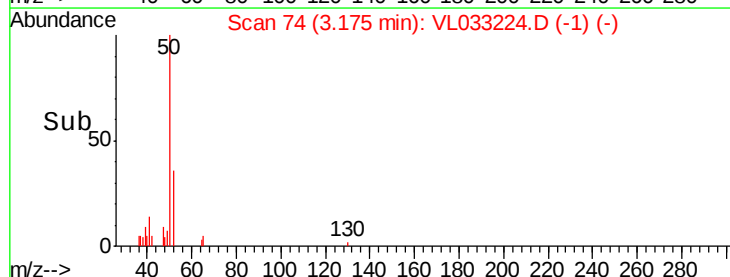
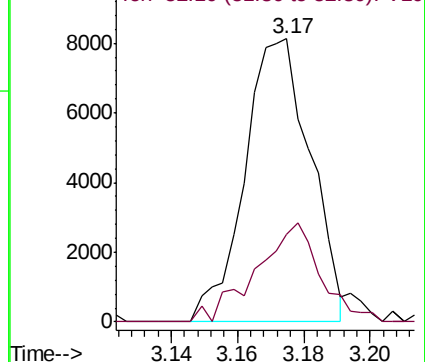
50 100

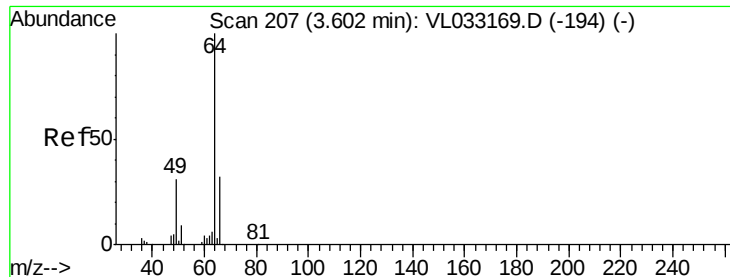
52 31.0 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 1.314 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033224.D

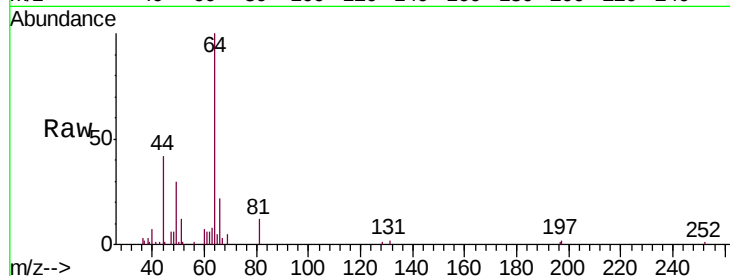
Acq: 15 Feb 2019 9:48

Tgt Ion: 64 Resp: 24895

Ion Ratio Lower Upper

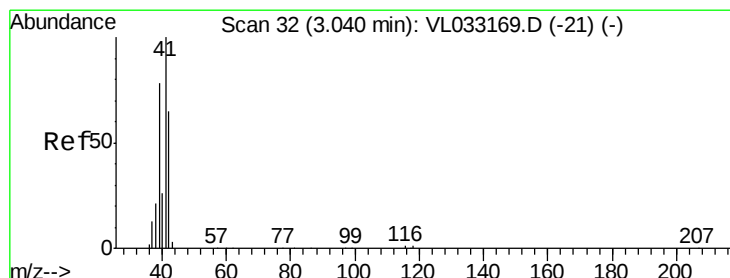
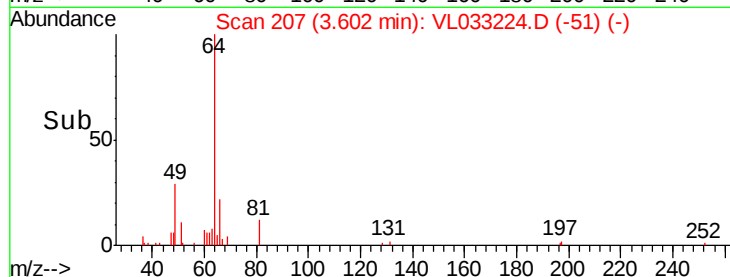
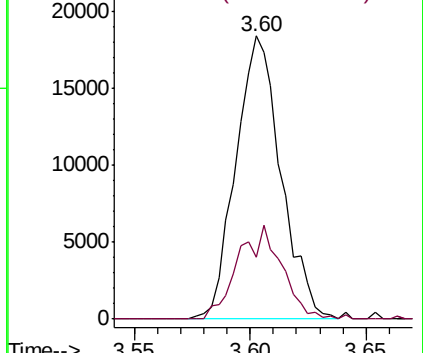
64 100

66 25.0 26.0 39.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 2.877 ppbv

RT: 3.24 min Scan# 95

Delta R.T. 0.20 min

Lab File: VL033224.D

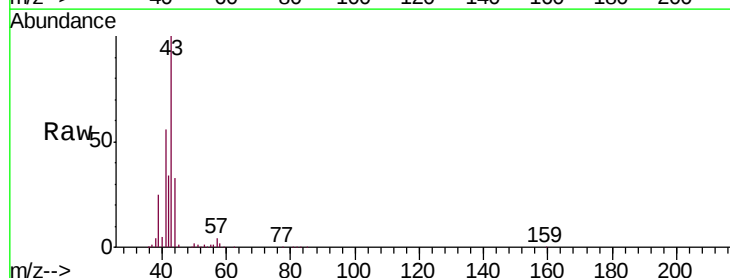
Acq: 15 Feb 2019 9:48

Tgt Ion: 41 Resp: 146110

Ion Ratio Lower Upper

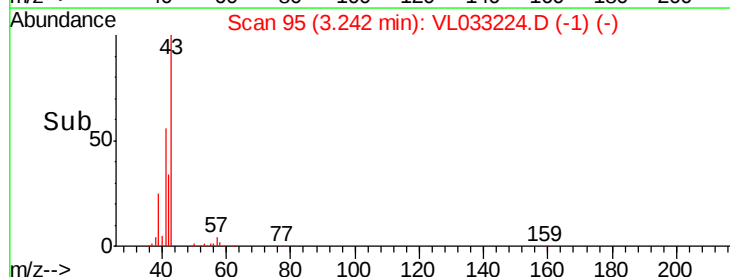
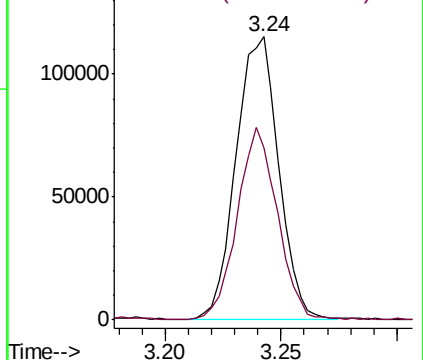
41 100

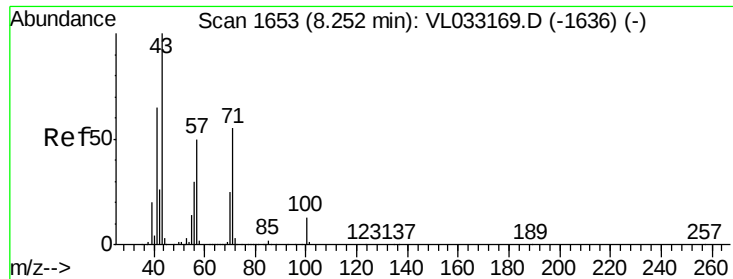
42 64.1 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.167 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033224.D

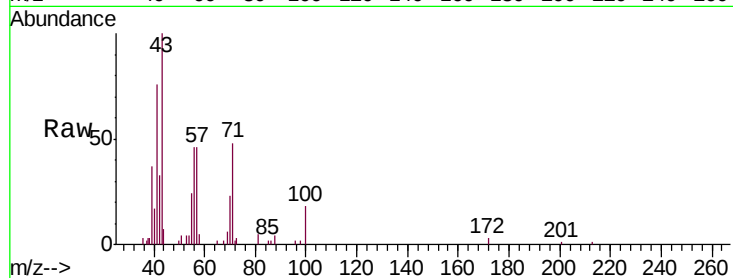
Acq: 15 Feb 2019 9:48

Tgt Ion: 43 Resp: 25669

Ion Ratio Lower Upper

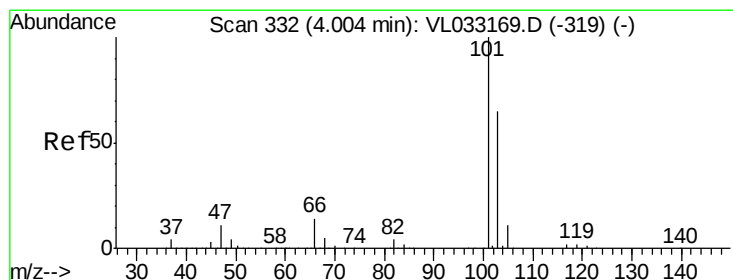
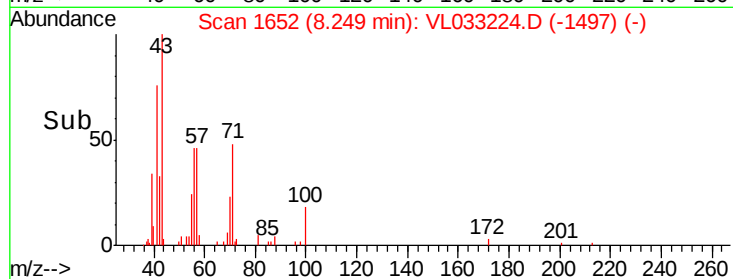
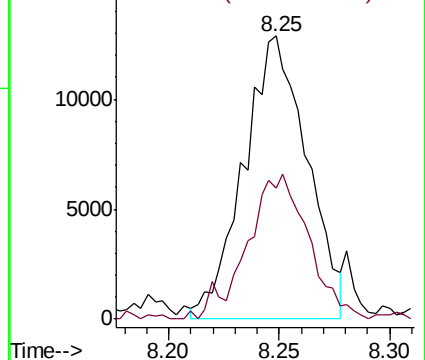
43 100

57 51.3 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: 0.369 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033224.D

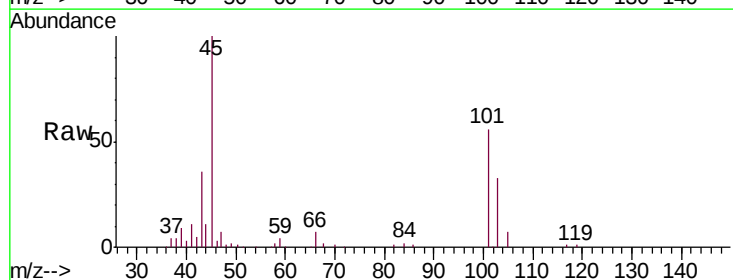
Acq: 15 Feb 2019 9:48

Tgt Ion: 101 Resp: 49815

Ion Ratio Lower Upper

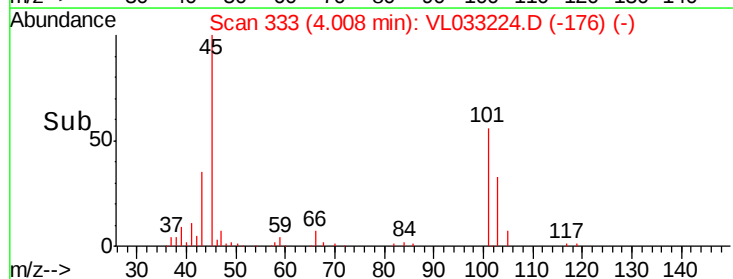
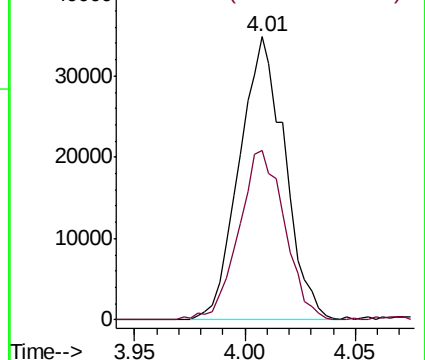
101 100

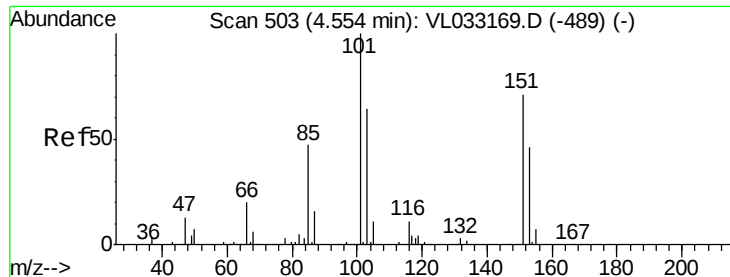
103 59.7 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.297 ppbv

RT: 4.56 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL033224.D

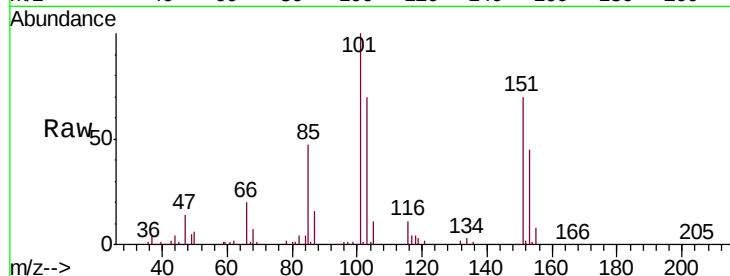
Acq: 15 Feb 2019 9:48

Tgt Ion: 101 Resp: 121532

Ion Ratio Lower Upper

101 100

151 68.1 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

80000

60000

40000

20000

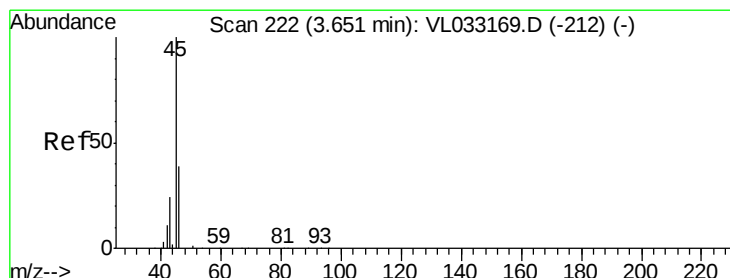
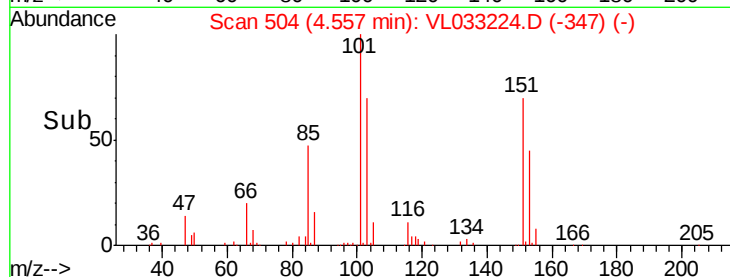
0

4.56

4.55

4.60

Time-->



#13

Ethanol

Concen: 4.348 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033224.D

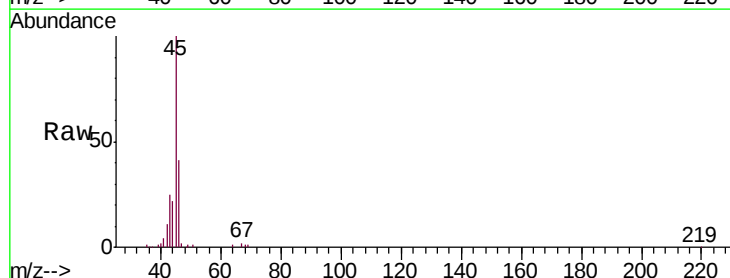
Acq: 15 Feb 2019 9:48

Tgt Ion: 45 Resp: 73645

Ion Ratio Lower Upper

45 100

46 37.1 15.0 60.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

40000

30000

20000

10000

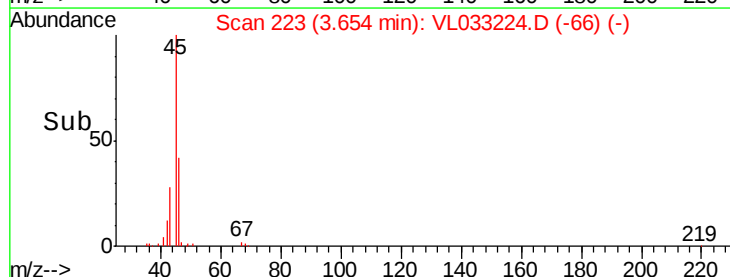
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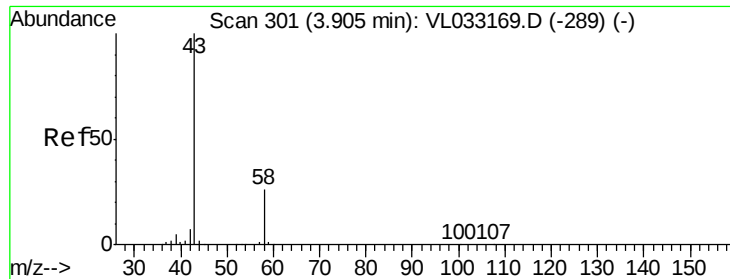
3.65

3.60

3.70

Time-->





#15

Acetone

Concen: 6.862 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033224.D

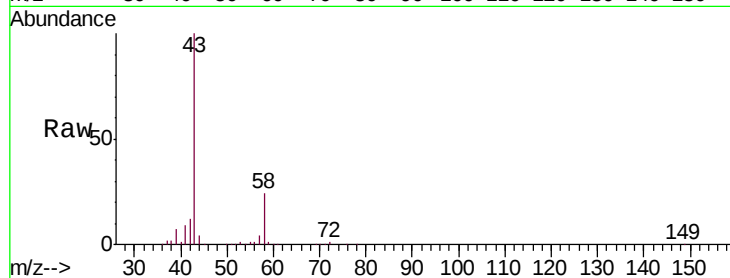
Acq: 15 Feb 2019 9:48

Tgt Ion: 43 Resp: 675006

Ion Ratio Lower Upper

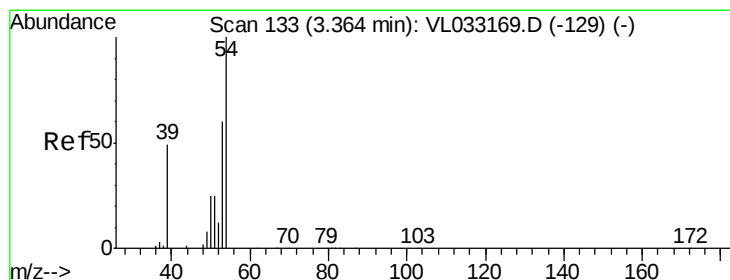
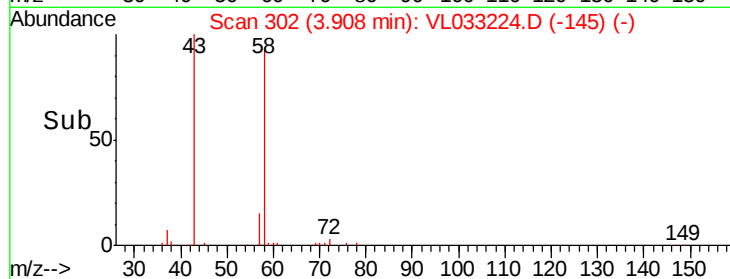
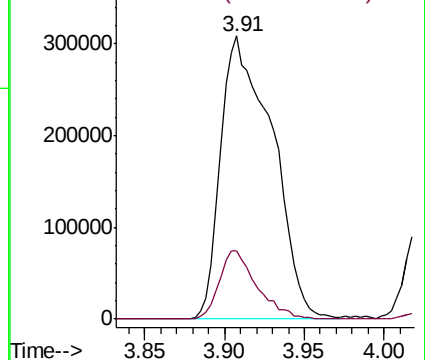
43 100

58 18.0 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: 0.651 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.02 min

Lab File: VL033224.D

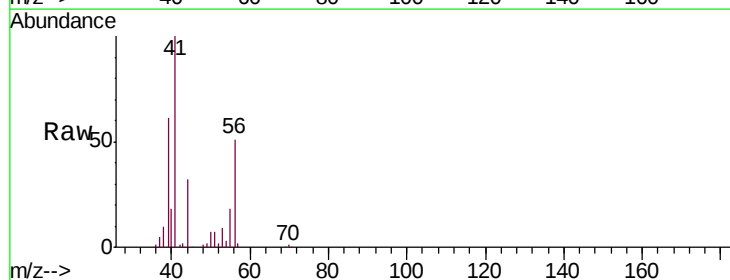
Acq: 15 Feb 2019 9:48

Tgt Ion: 39 Resp: 30391

Ion Ratio Lower Upper

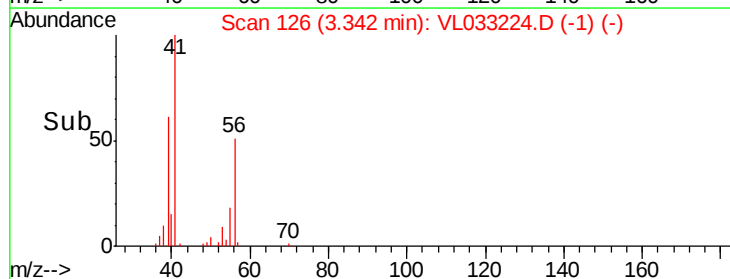
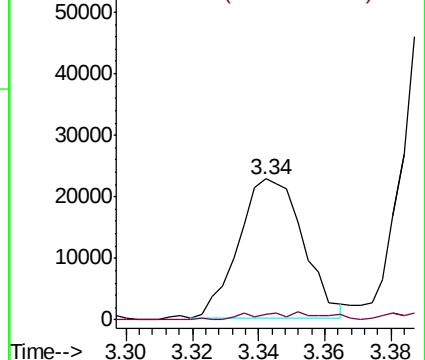
39 100

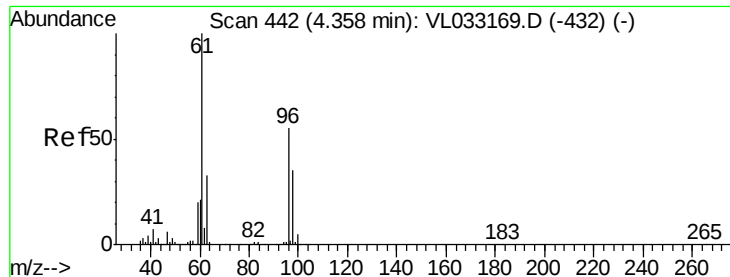
54 6.1 71.3 106.9#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

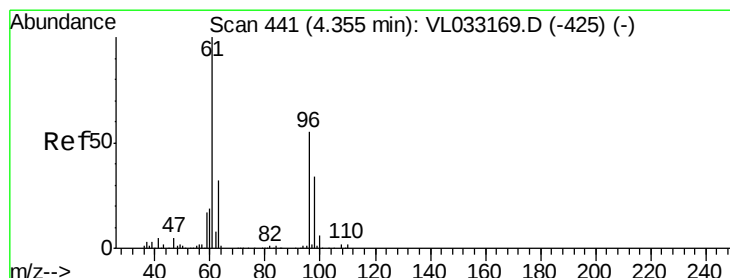
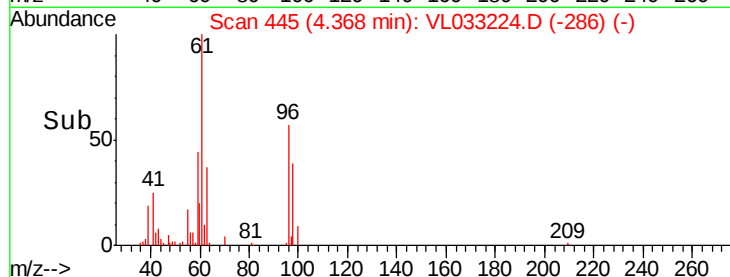
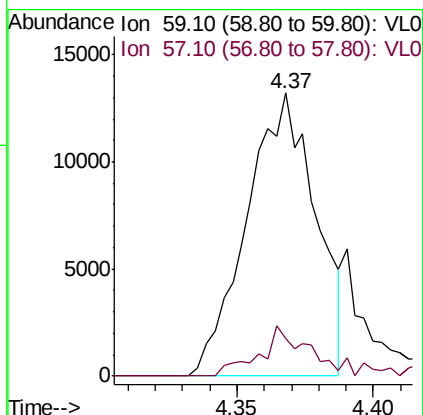
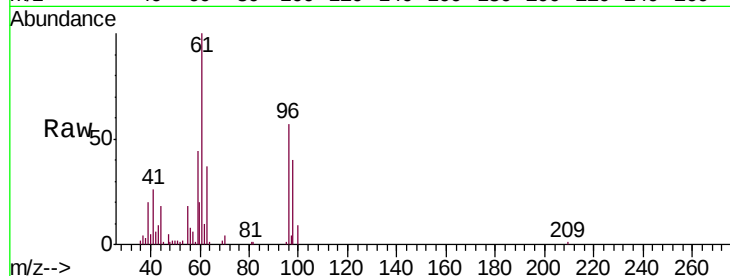




#17

tert-Butyl alcohol
Concen: 1.238 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.01 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

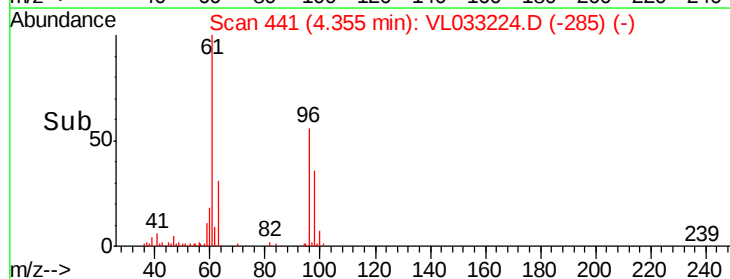
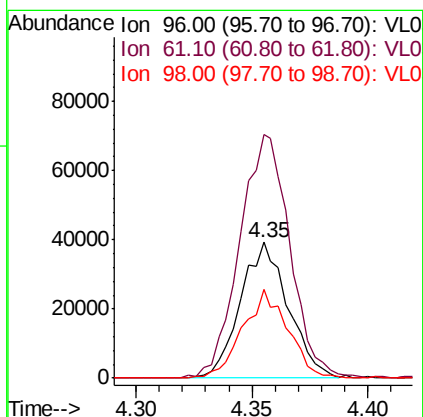
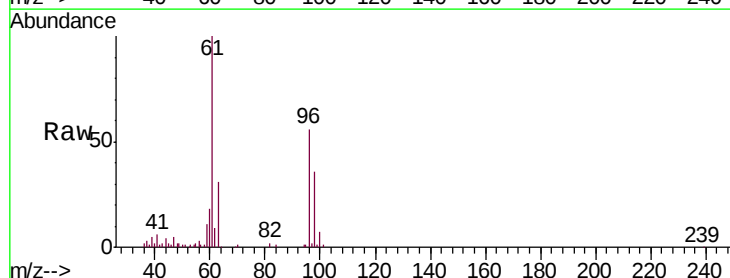
Tgt Ion: 59 Resp: 23213
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#

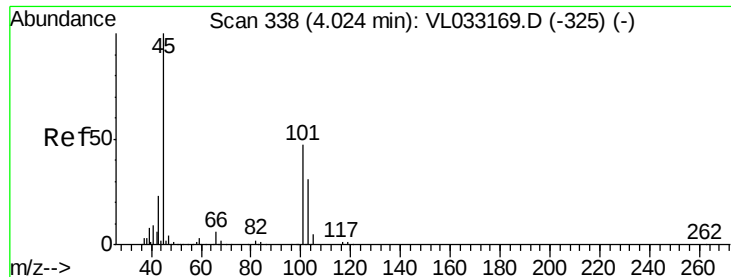


#18

1,1-Dichloroethene
Concen: 1.346 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

Tgt Ion: 96 Resp: 56433
Ion Ratio Lower Upper
96 100
61 177.2 145.0 217.6
98 64.5 50.0 75.0





#19

Isopropyl Alcohol

Concen: 12.645 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033224.D

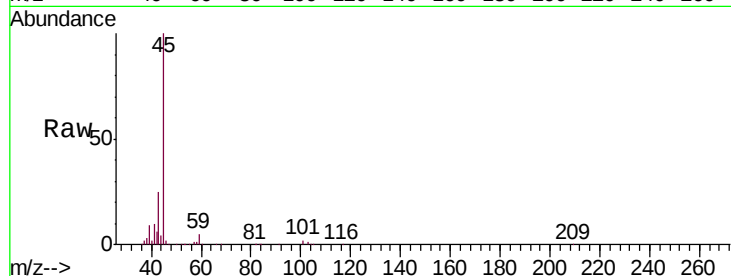
Acq: 15 Feb 2019 9:48

Tgt Ion: 45 Resp: 843676

Ion Ratio Lower Upper

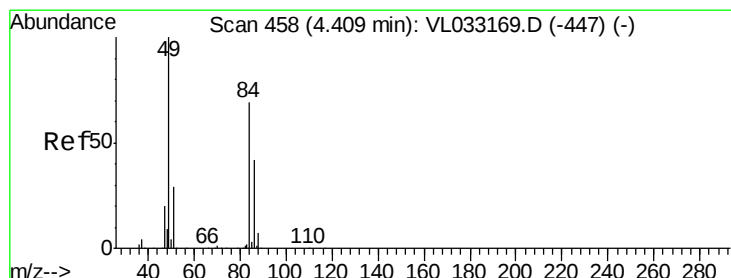
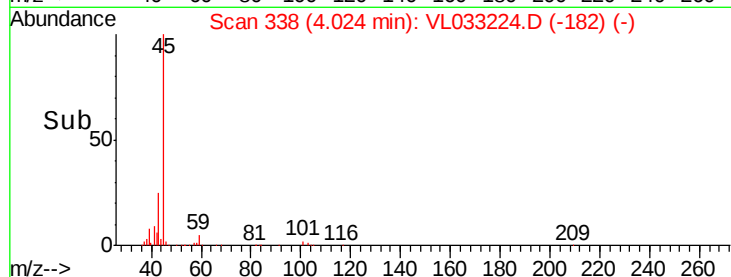
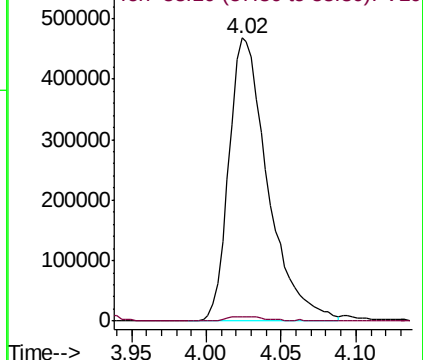
45 100

58 2.1 1.5 2.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 2.599 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Tgt Ion: 84 Resp: 101700

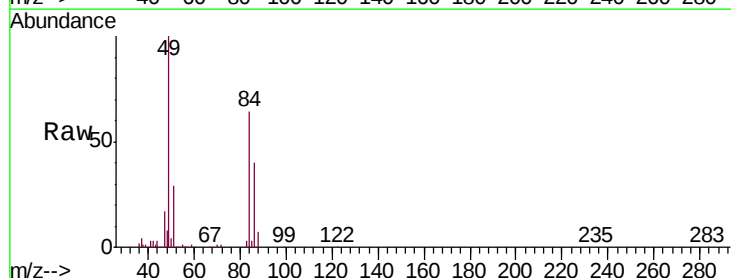
Ion Ratio Lower Upper

84 100

49 155.6 115.8 173.8

51 44.5 33.0 49.6

86 61.8 48.2 72.2

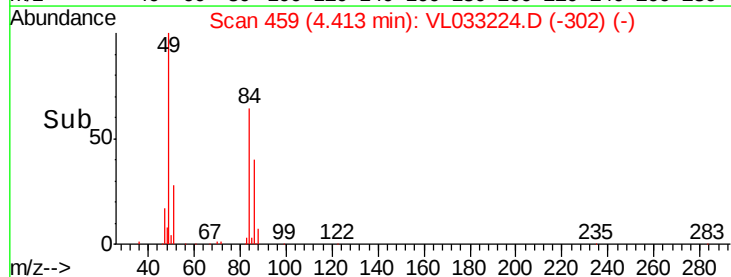
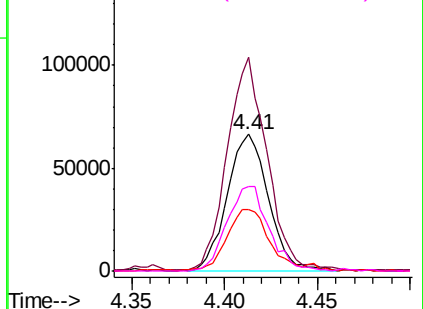


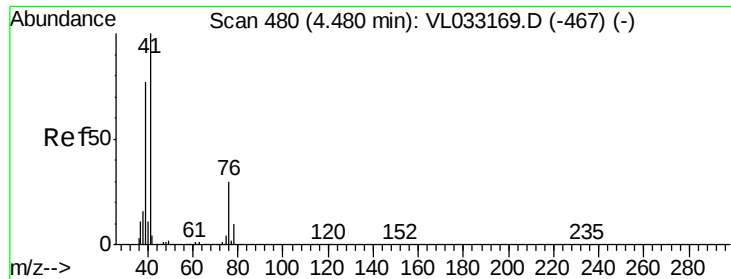
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

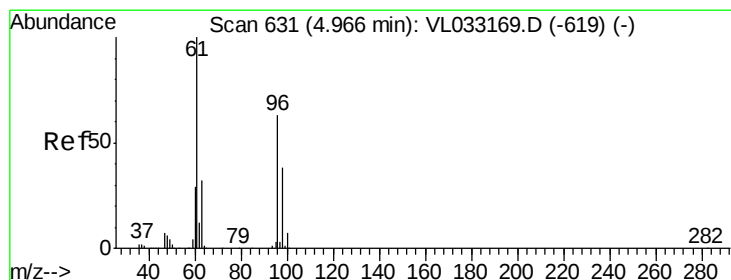
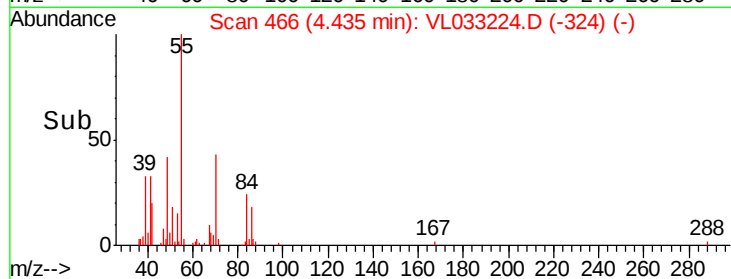
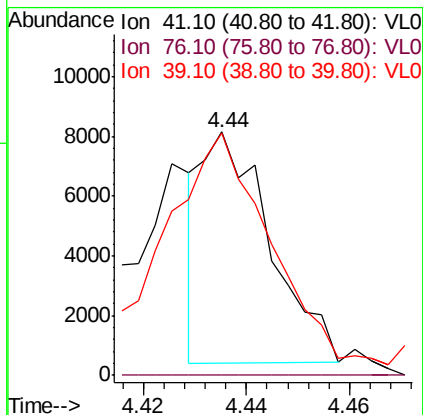
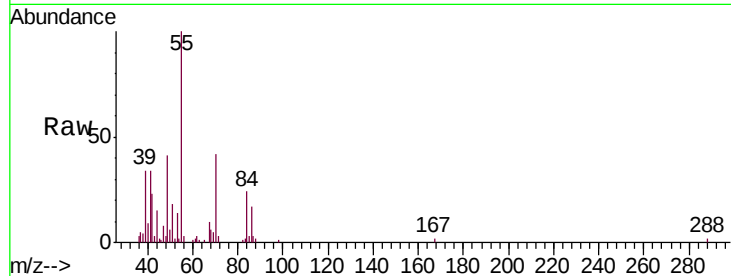
Ion 86.00 (85.70 to 86.70): VL0





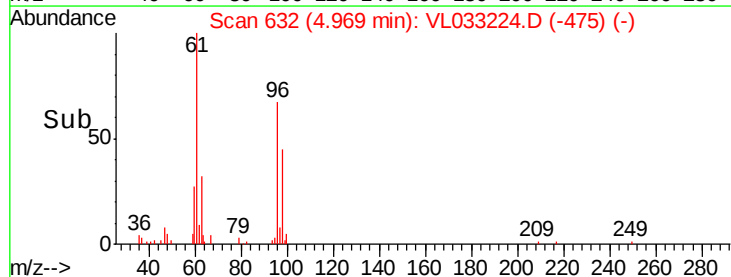
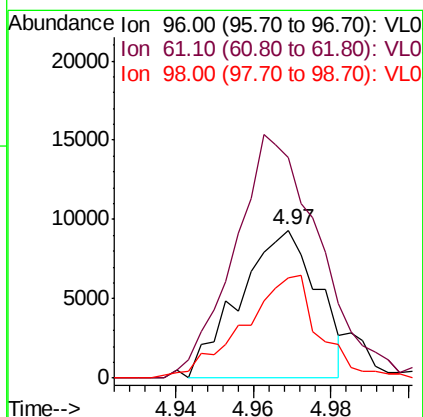
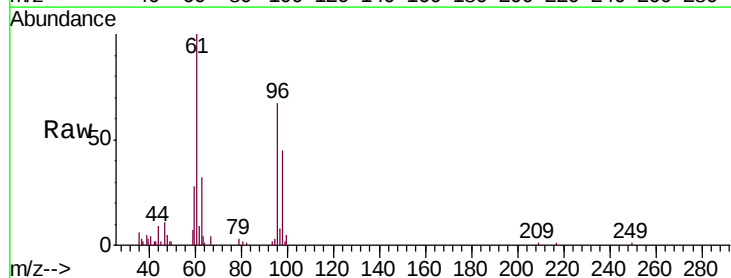
#21
 Allyl Chloride
 Concen: 0.109 ppbv
 RT: 4.44 min Scan# 466
 Delta R.T. -0.04 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

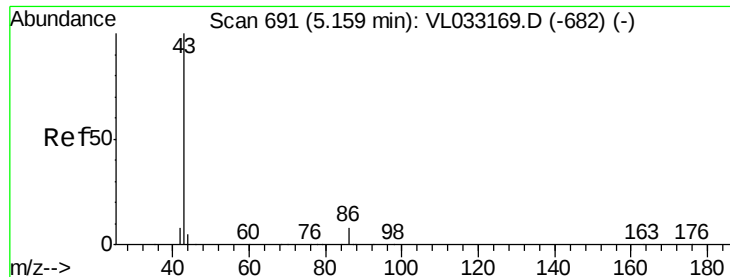
Tgt Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.5	36.7#
39	181.3	64.1	96.1#



#22
 trans-1,2-Dichloroethene
 Concen: 0.321 ppbv
 RT: 4.97 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.8	126.4	189.6
98	63.3	48.4	72.6





#23

Vinyl Acetate

Concen: 0.164 ppbv

RT: 5.14 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Tgt Ion: 43 Resp: 27970

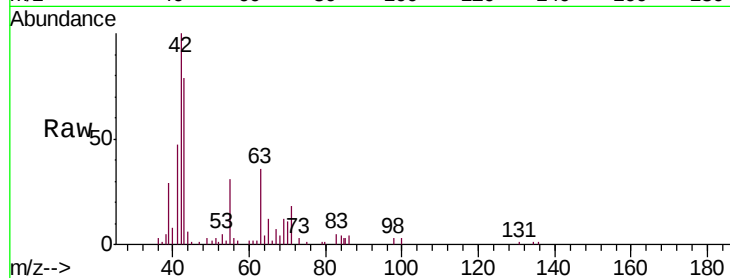
Ion Ratio Lower Upper

43 100

86 4.7 5.8 8.8#

42 155.1 7.4 11.0#

44 0.0 3.7 5.5#

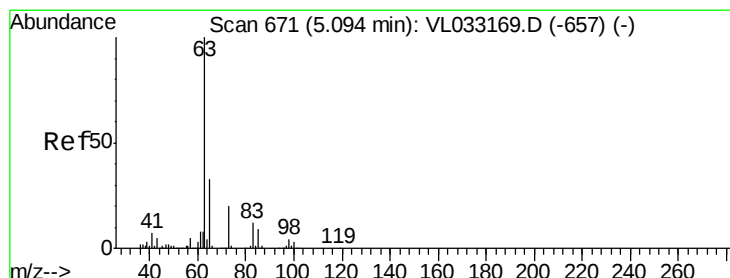
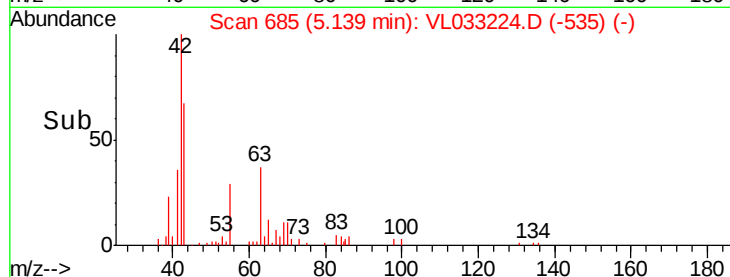
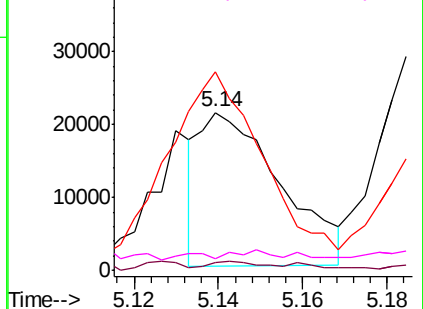


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 27.414 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

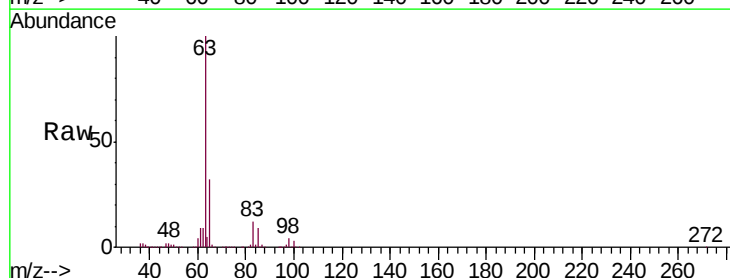
Tgt Ion: 63 Resp: 3306069

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

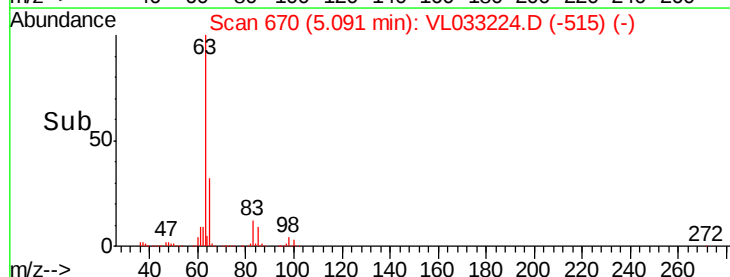
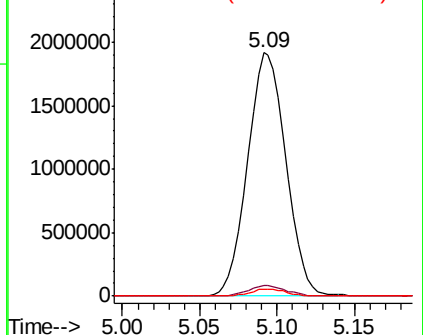
100 2.6 1.4 4.2

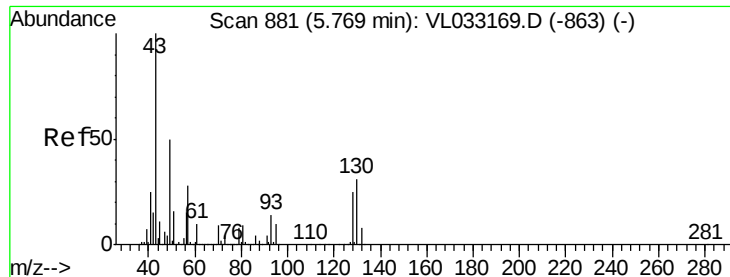


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

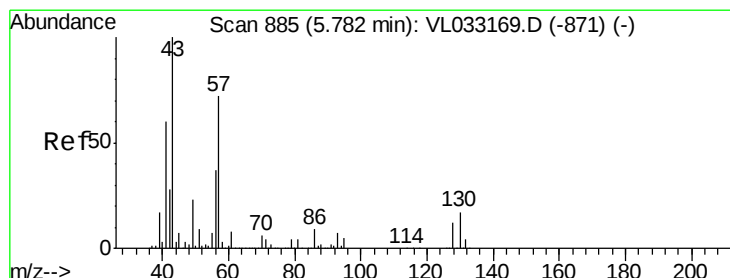
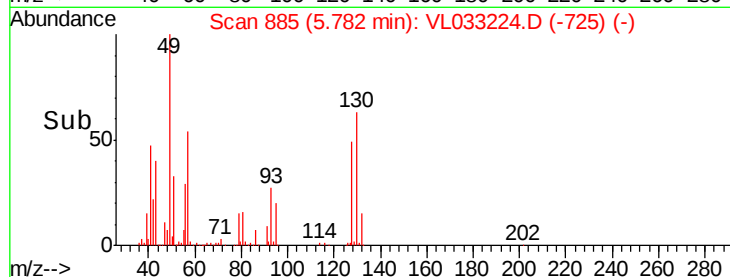
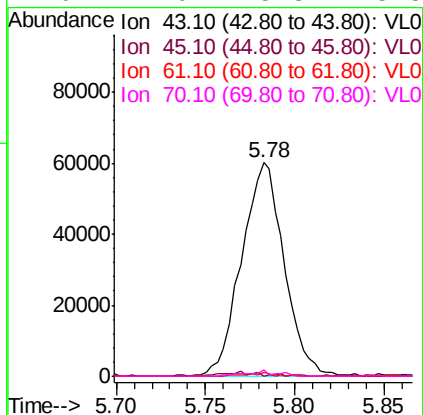
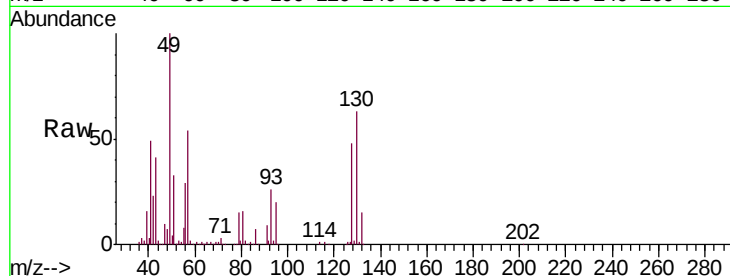
Ion 100.00 (99.70 to 100.70): VL0





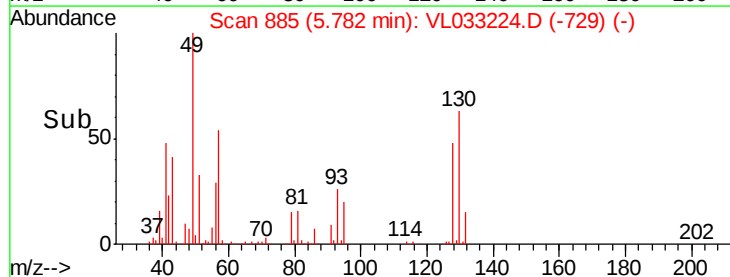
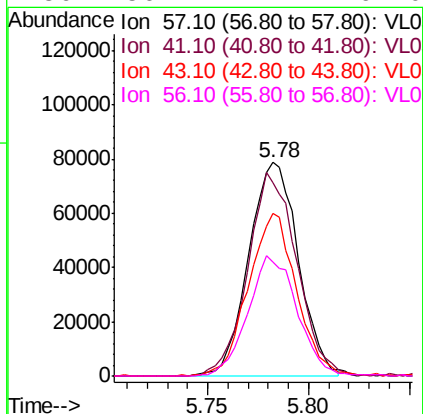
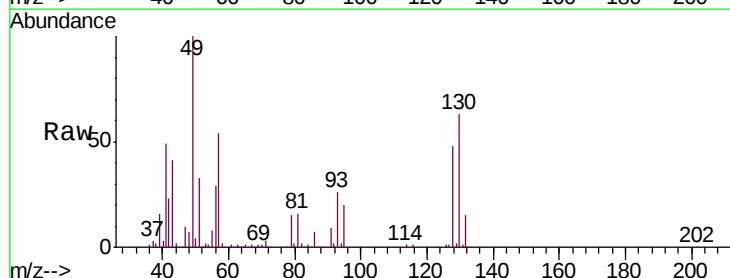
#25
Ethyl Acetate
Concen: 0.449 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

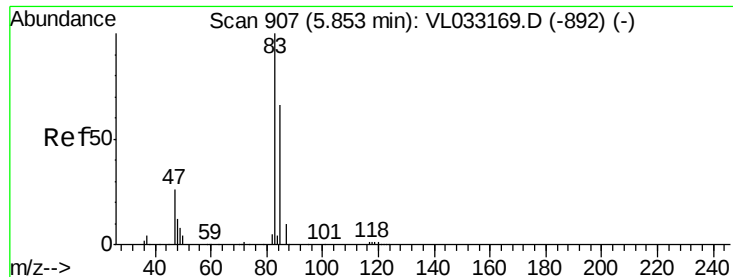
Tgt Ion:	43	Resp:	99259
Ion	Ratio	Lower	Upper
43	100		
45	2.2	7.9	11.9#
61	0.0	7.5	11.3#
70	2.0	5.8	8.8#



#26
Hexane
Concen: 1.299 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

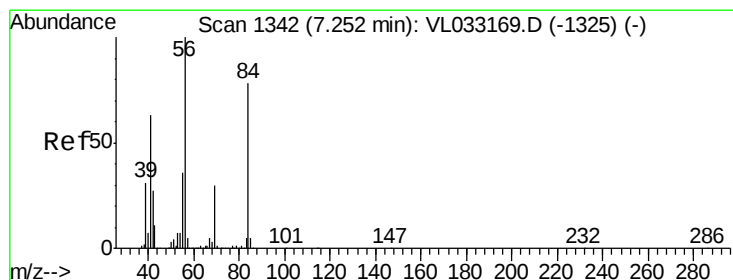
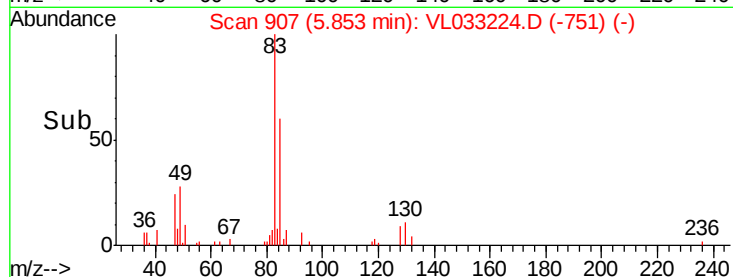
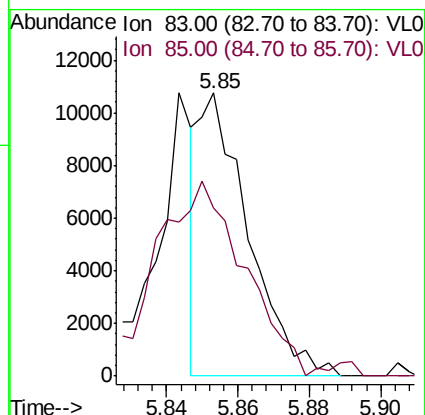
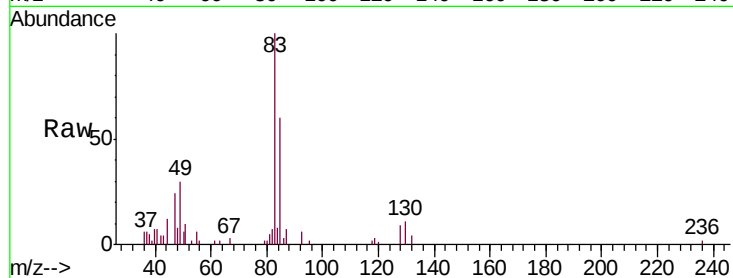
Tgt Ion:	57	Resp:	134878
Ion	Ratio	Lower	Upper
57	100		
41	94.5	69.4	104.2
43	75.1	176.7	265.1#
56	56.4	41.4	62.0





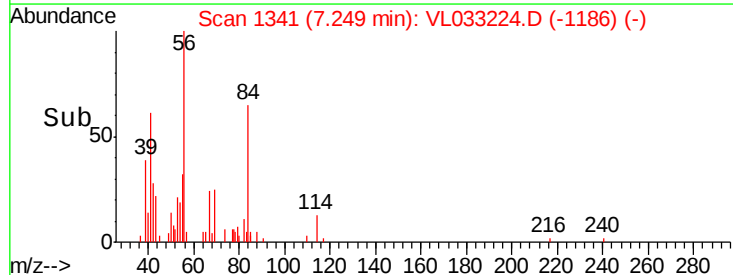
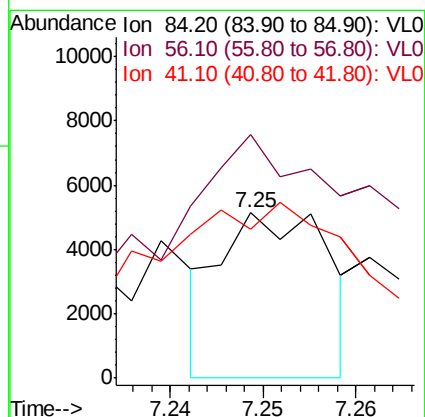
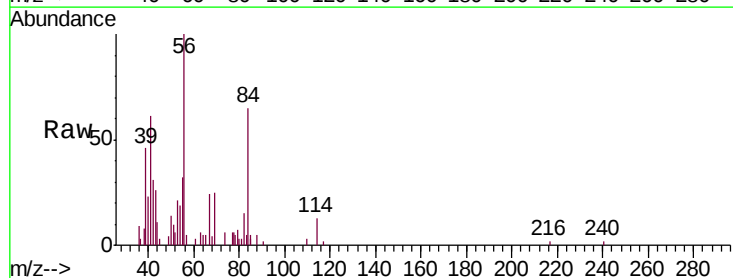
#29
Chloroform
Concen: 0.065 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

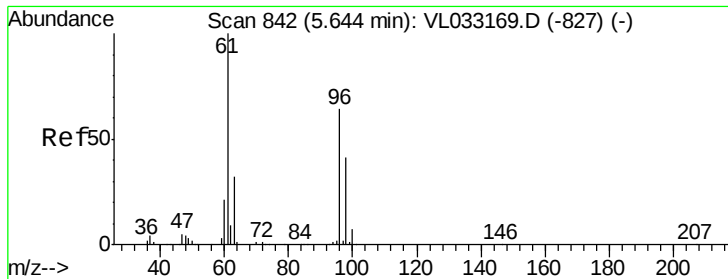
Tgt Ion: 83 Resp: 10320
Ion Ratio Lower Upper
83 100
85 54.6 52.6 78.8



#30
Cyclohexane
Concen: 0.043 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

Tgt Ion: 84 Resp: 4103
Ion Ratio Lower Upper
84 100
56 0.0 109.5 164.3#
41 304.3 66.6 100.0#

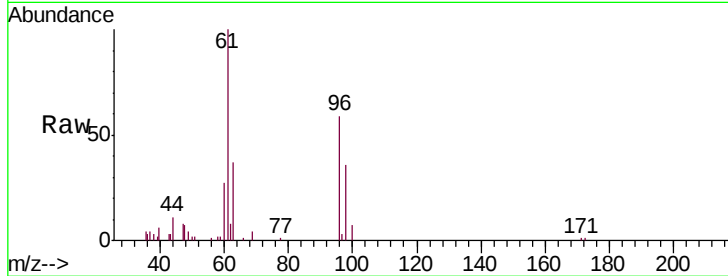




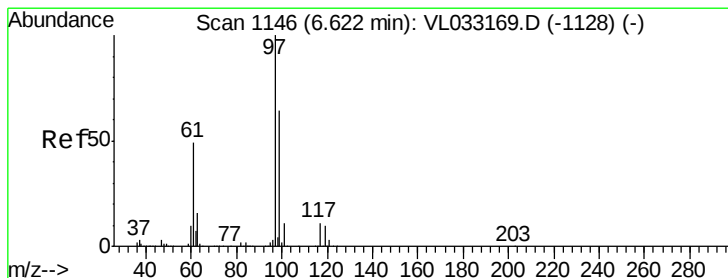
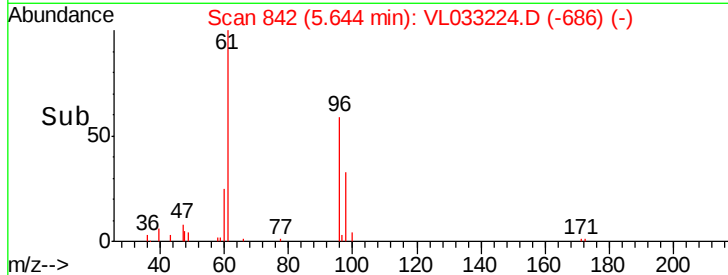
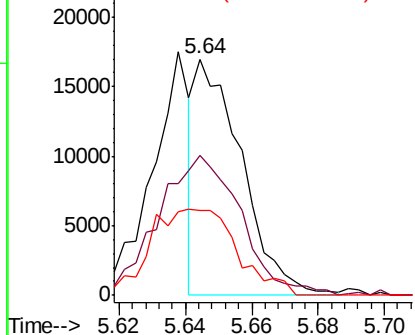
#31

cis-1,2-Dichloroethene
 Concen: 0.158 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

Tgt Ion	Ratio	Lower	Upper
61	100		
96	59.7	51.2	76.8
98	36.5	32.8	49.2



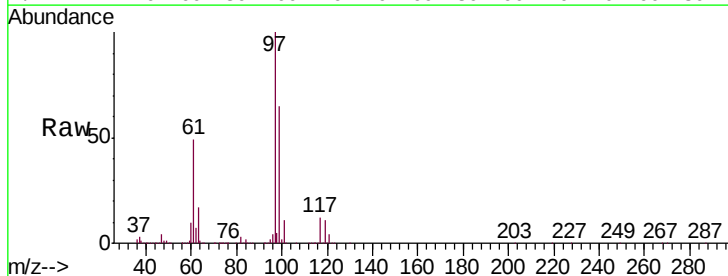
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



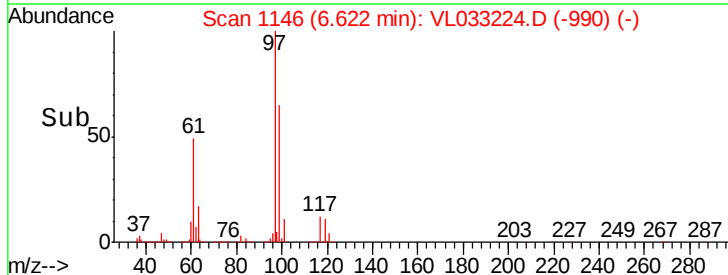
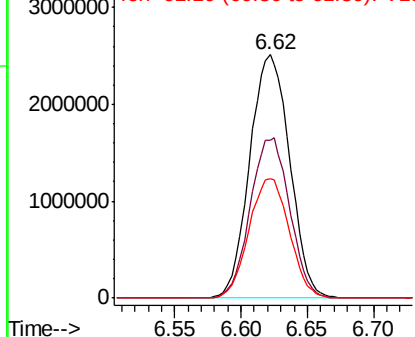
#32

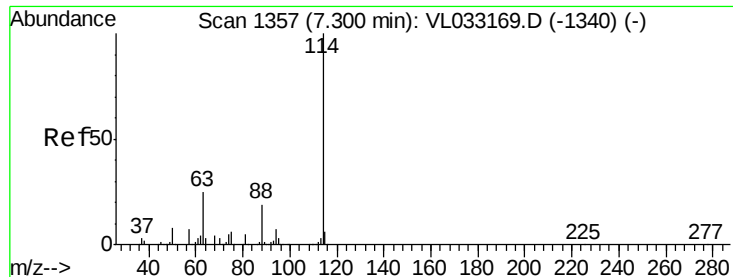
1,1,1-Trichloroethane
 Concen: 30.067 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.2
61	49.7	38.9	58.3



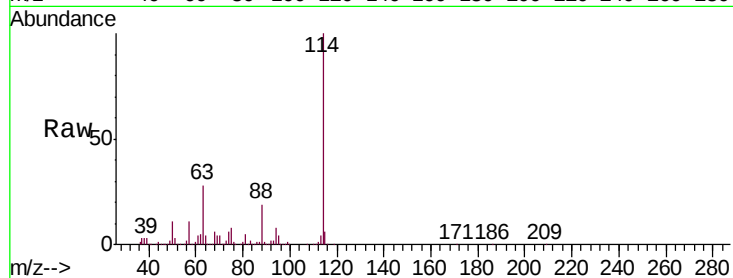
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0



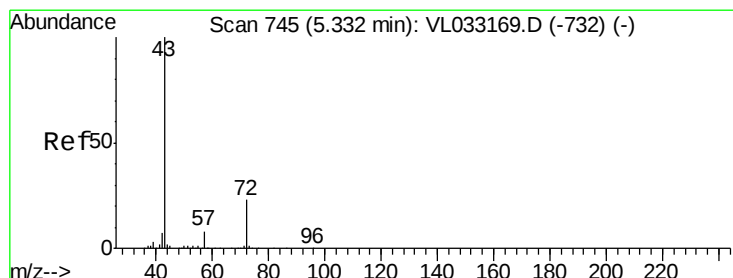
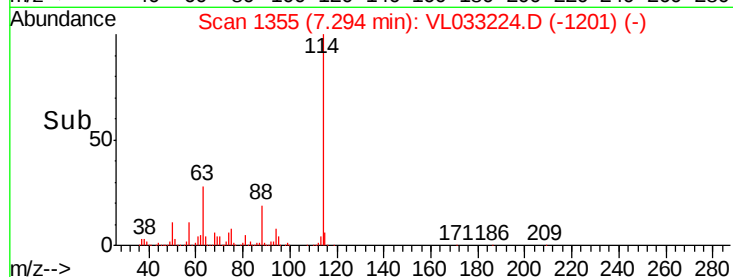
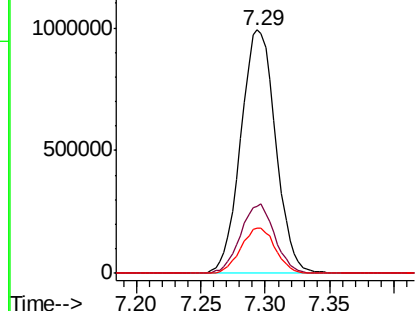


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

Tgt Ion: 114 Resp: 1866762
 Ion Ratio Lower Upper
 114 100
 63 28.1 20.8 31.2
 88 18.5 14.6 22.0

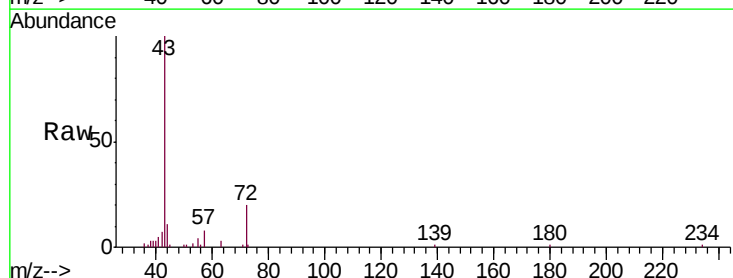


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

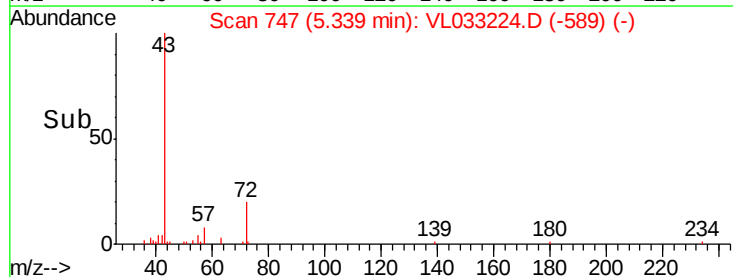
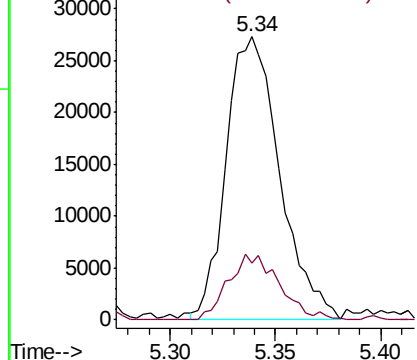


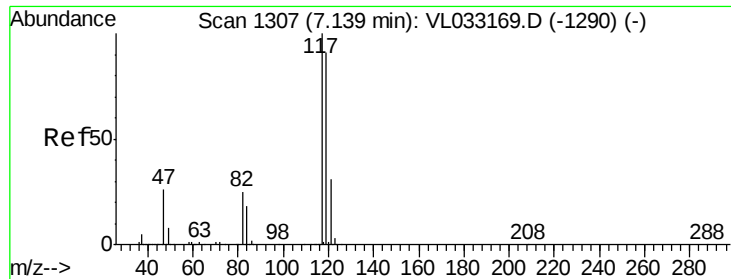
#34
 2-Butanone
 Concen: 0.408 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

Tgt Ion: 43 Resp: 48283
 Ion Ratio Lower Upper
 43 100
 72 22.2 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: 0.051 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

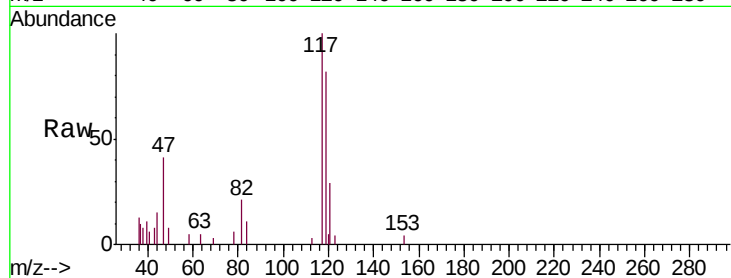
Tgt Ion: 117 Resp: 7329

Ion Ratio Lower Upper

117 100

119 78.9 73.0 109.6

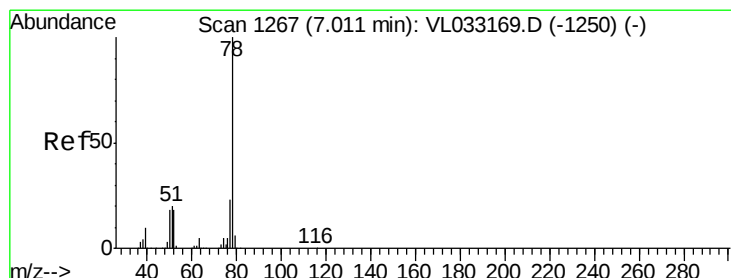
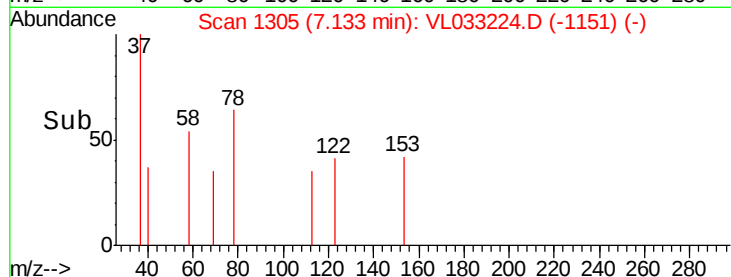
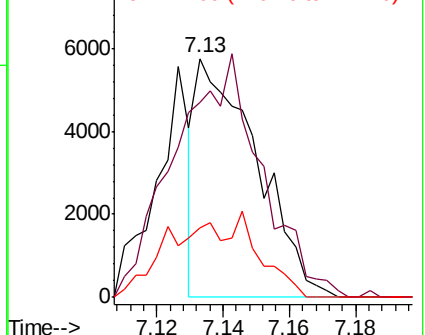
121 29.1 25.1 37.7



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: 0.257 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

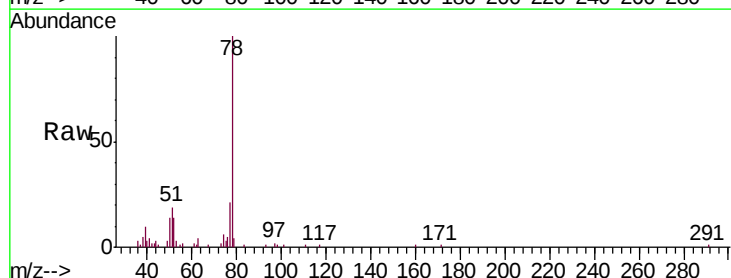
Tgt Ion: 78 Resp: 48612

Ion Ratio Lower Upper

78 100

77 20.4 18.0 27.0

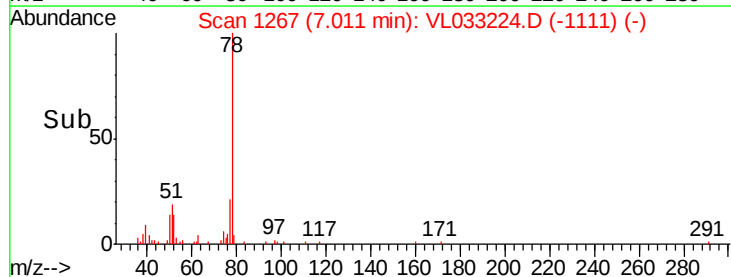
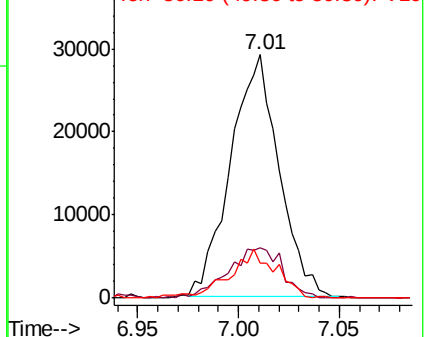
50 13.8 14.2 21.2#

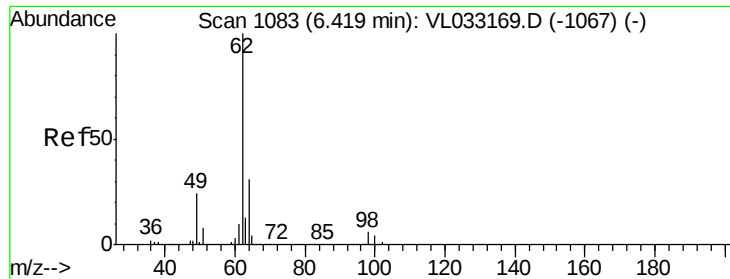


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

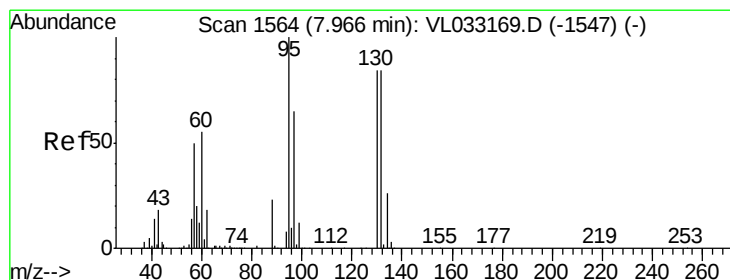
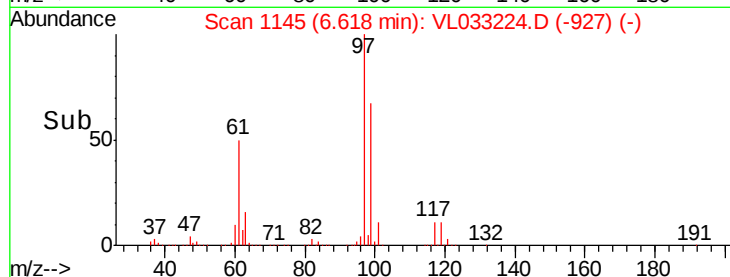
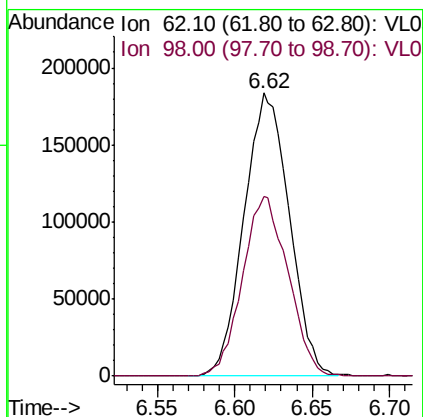
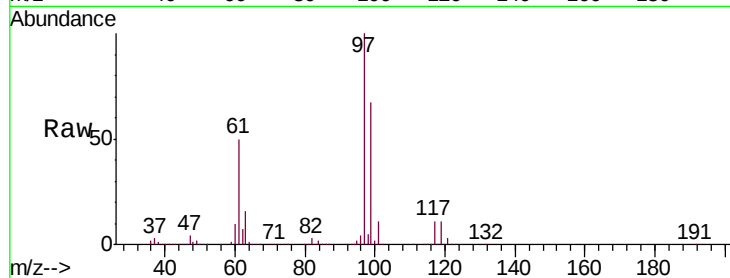
Ion 50.10 (49.80 to 50.80): VL0





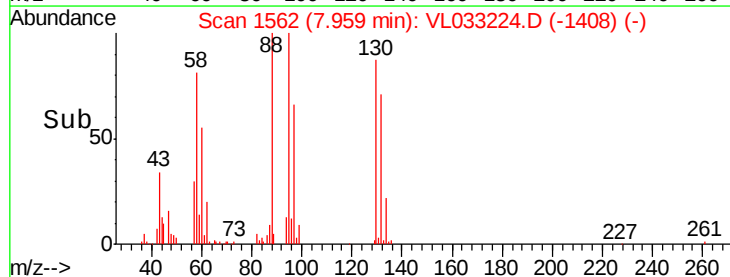
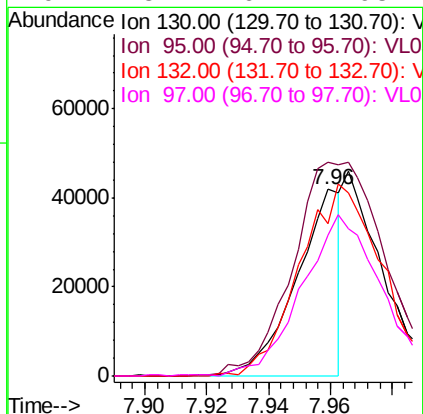
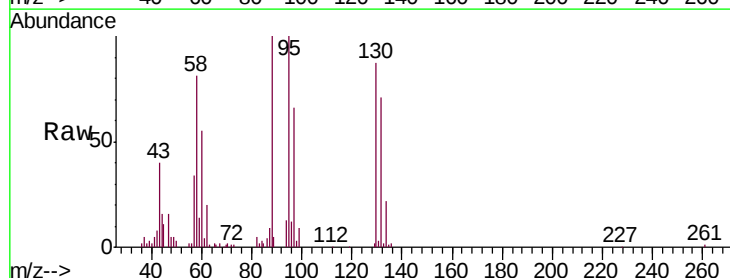
#37
 1,2-Dichloroethane
 Concen: 3.570 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. 0.20 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

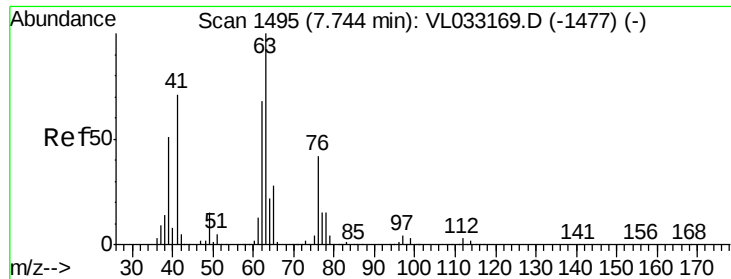
Tgt Ion: 62 Resp: 374279
 Ion Ratio Lower Upper
 62 100
 98 63.8 4.7 7.1#



#38
 Trichloroethene
 Concen: 0.515 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

Tgt Ion: 130 Resp: 41710
 Ion Ratio Lower Upper
 130 100
 95 114.3 95.5 143.3
 132 81.3 80.0 120.0
 97 75.1 62.2 93.2





#39

1,2-Dichloropropane

Concen: 6.848 ppbv

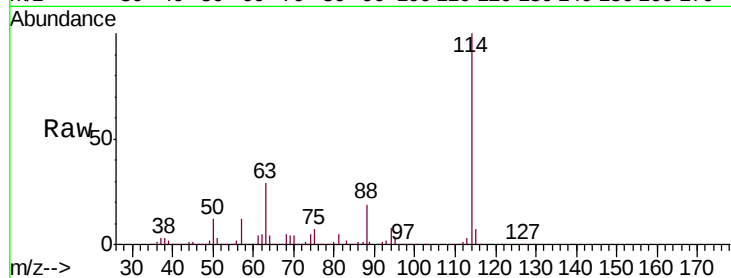
RT: 7.30 min Scan# 1356

Delta R.T. -0.45 min

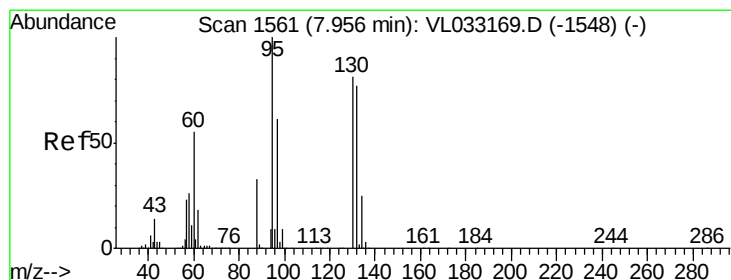
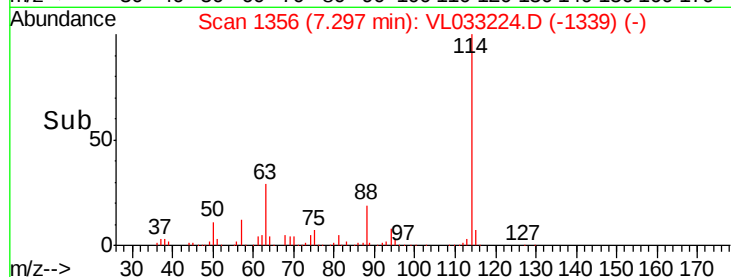
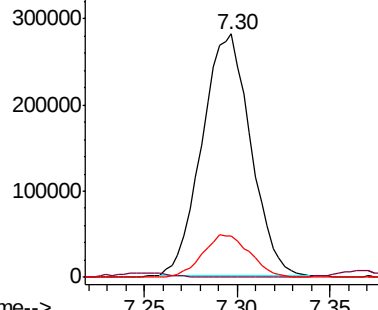
Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Tgt Ion:	63	Resp:	511664
Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.4	84.6#
62	16.7	54.2	81.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 4.259 ppbv

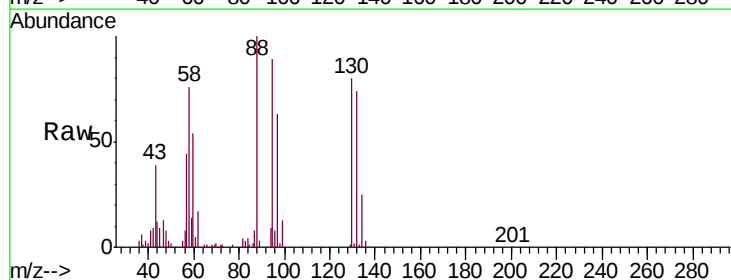
RT: 7.97 min Scan# 1565

Delta R.T. 0.01 min

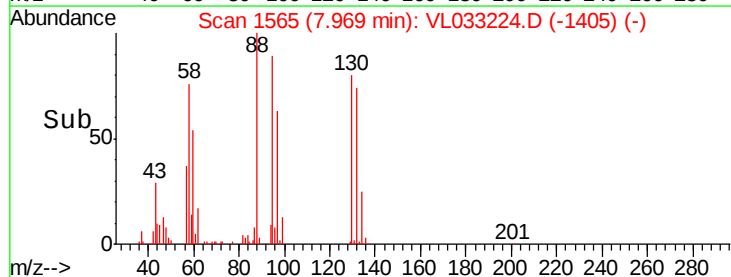
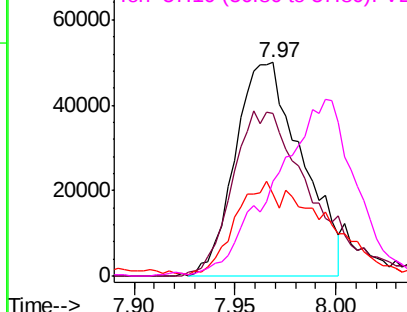
Lab File: VL033224.D

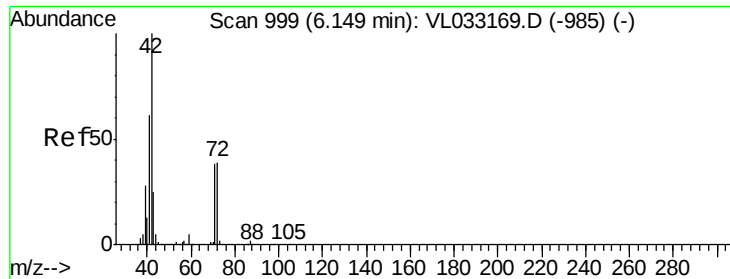
Acq: 15 Feb 2019 9:48

Tgt Ion:	88	Resp:	115646
Ion	Ratio	Lower	Upper
88	100		
58	93.3	106.6	160.0#
43	60.2	220.2	330.2#
57	0.0	992.6	1489.0#



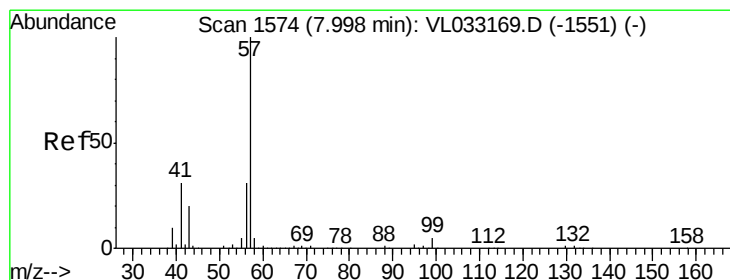
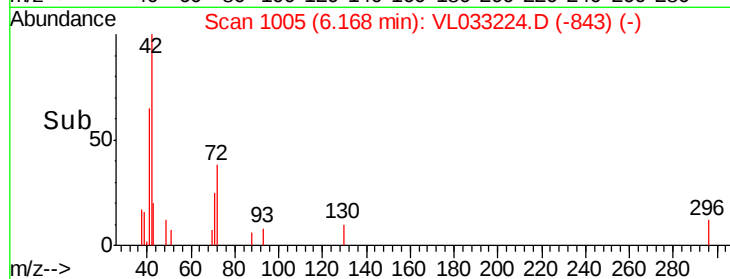
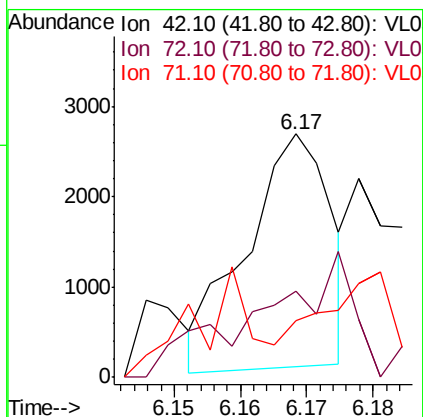
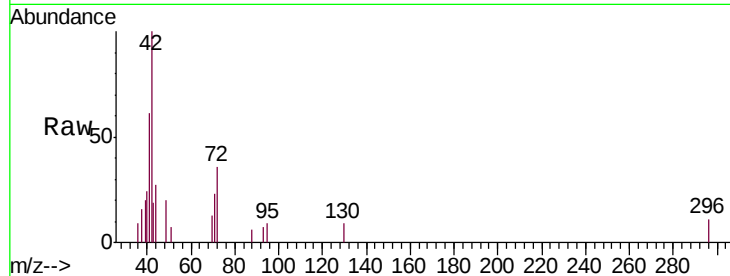
Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





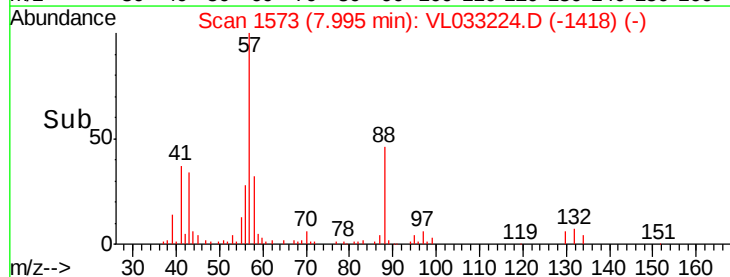
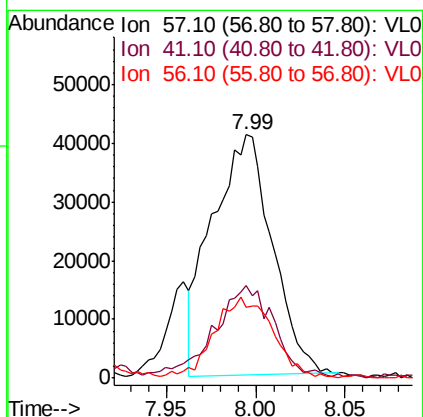
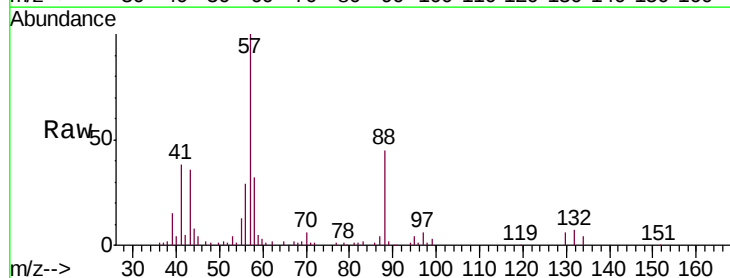
#41
Tetrahydrofuran
Concen: 0.032 ppbv
RT: 6.17 min Scan# 1005
Delta R.T. 0.02 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

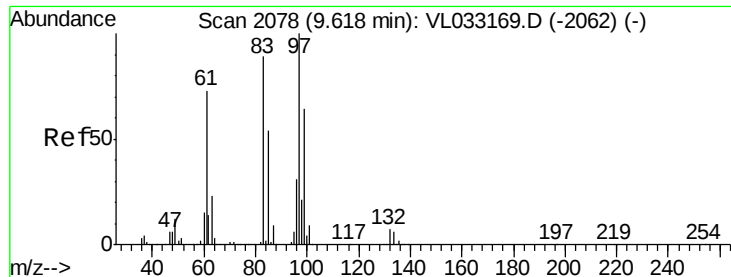
Tgt Ion: 42 Resp: 2313
Ion Ratio Lower Upper
42 100
72 0.0 31.6 47.4#
71 83.9 30.3 45.5#



#44
2,2,4-Trimethylpentane
Concen: 0.299 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

Tgt Ion: 57 Resp: 95874
Ion Ratio Lower Upper
57 100
41 39.0 25.1 37.7#
56 33.3 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 0.113 ppbv

RT: 9.62 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Tgt Ion: 97 Resp: 8724

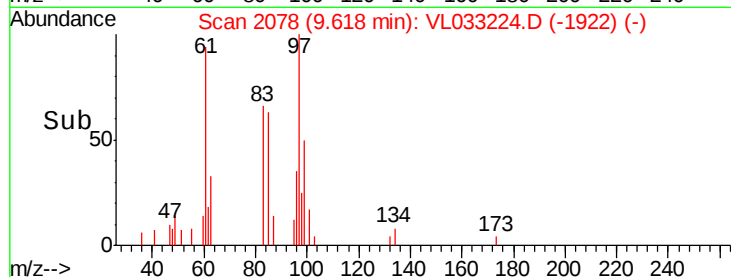
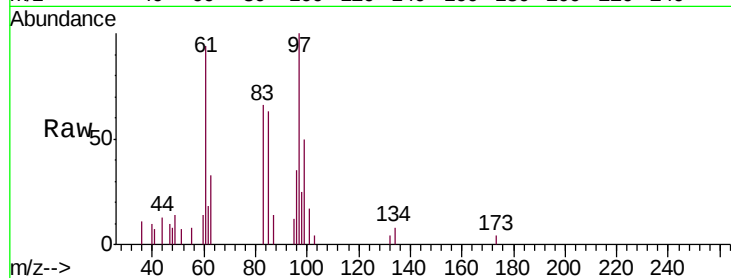
Ion Ratio Lower Upper

97 100

83 52.6 71.4 107.2#

85 45.0 43.5 65.3

99 36.3 51.4 77.0#

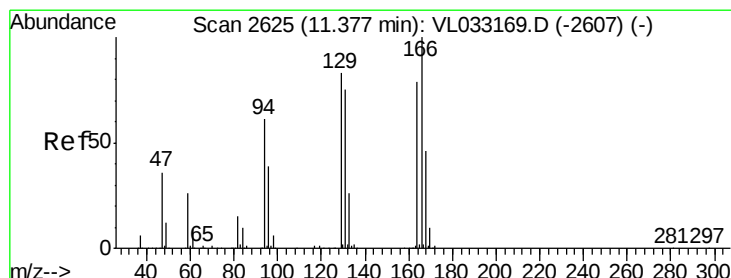
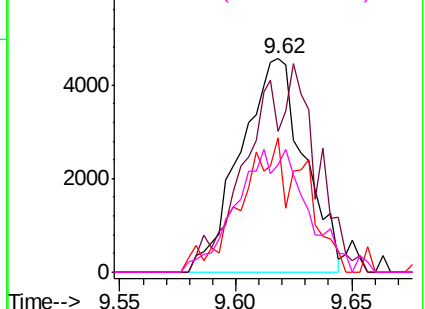


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.506 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. -0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Tgt Ion: 164 Resp: 36766

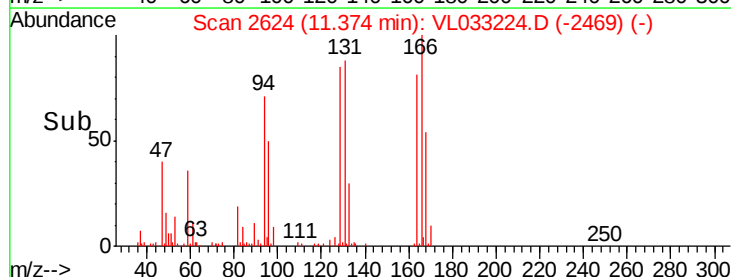
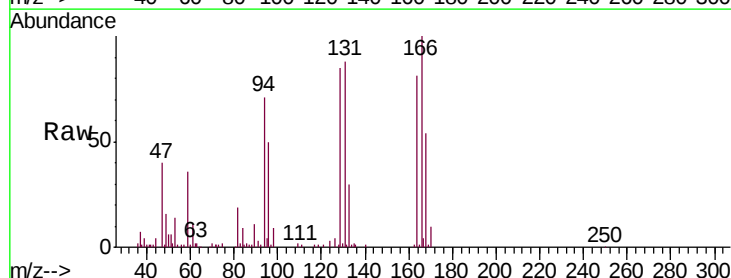
Ion Ratio Lower Upper

164 100

166 122.3 100.9 151.3

129 103.5 83.9 125.9

131 109.8 76.2 114.2

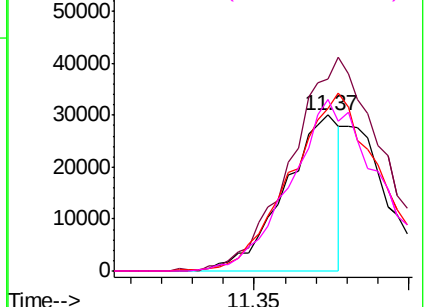


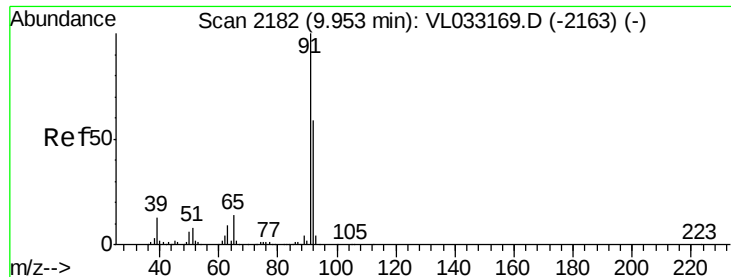
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.851 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033224.D

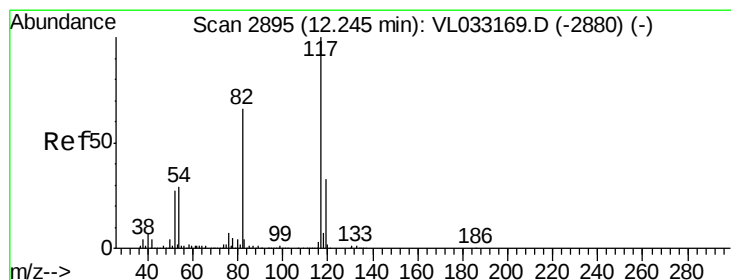
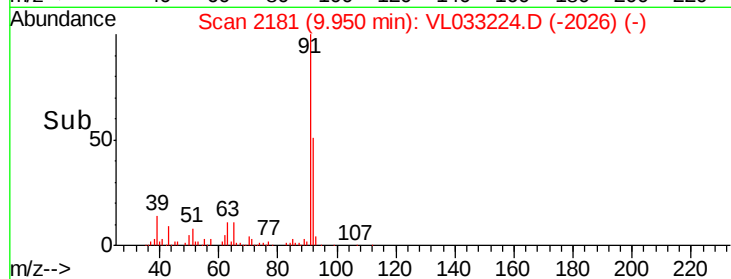
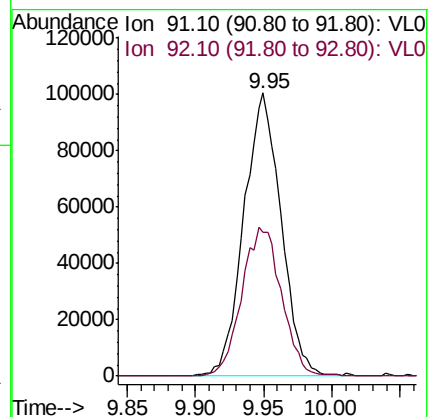
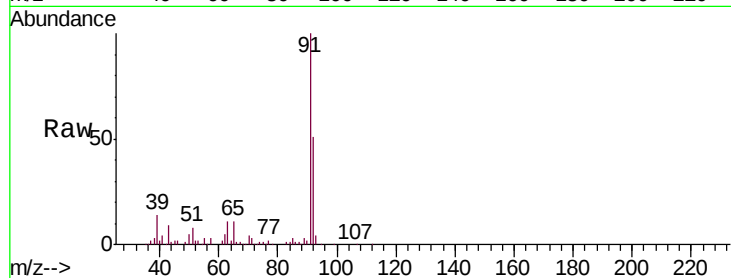
Acq: 15 Feb 2019 9:48

Tgt Ion: 91 Resp: 190579

Ion Ratio Lower Upper

91 100

92 56.1 48.0 72.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

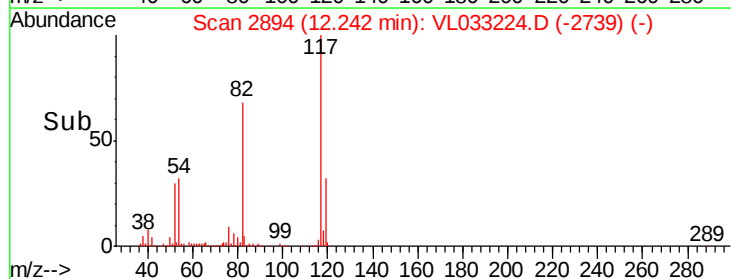
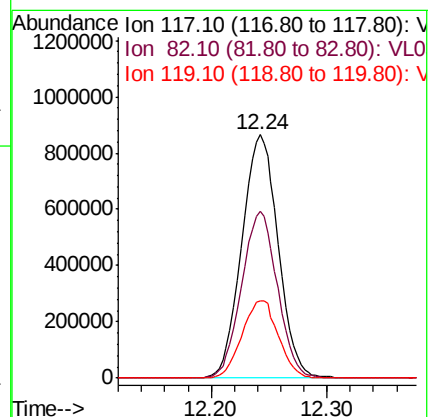
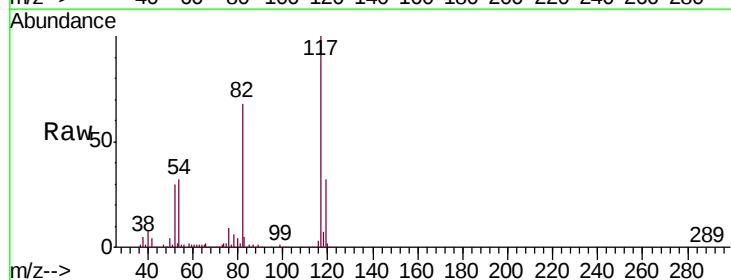
Tgt Ion: 117 Resp: 1882036

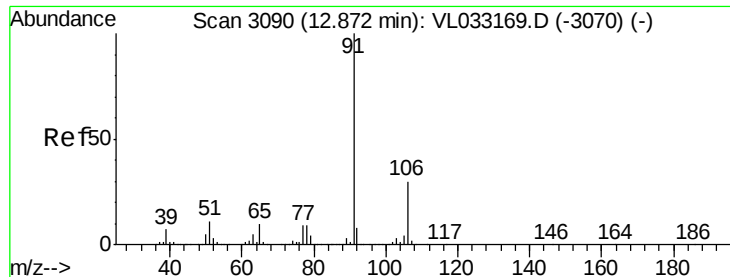
Ion Ratio Lower Upper

117 100

82 67.7 49.5 74.3

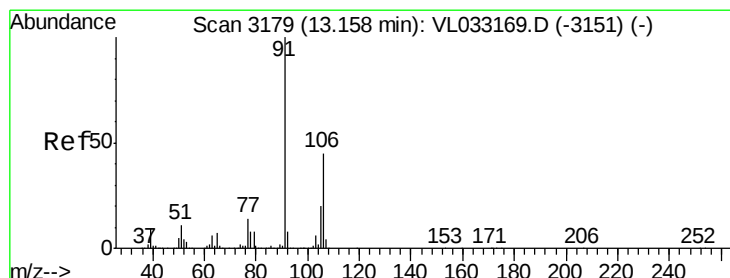
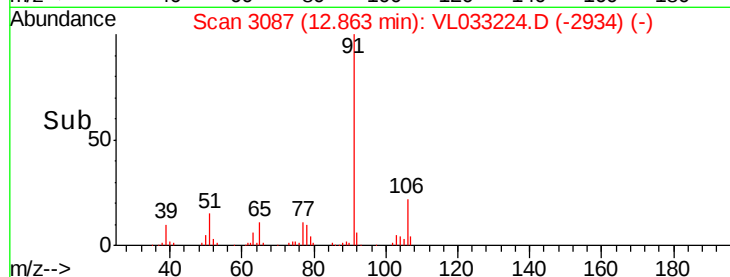
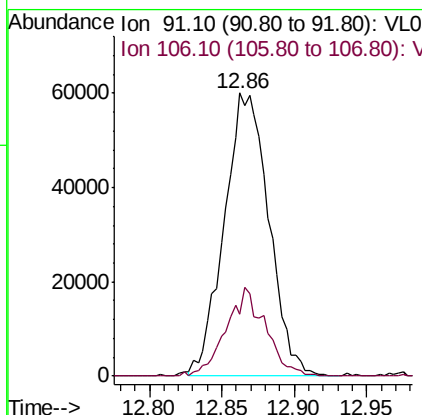
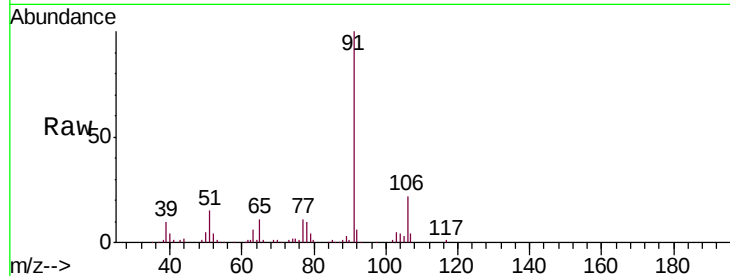
119 32.1 24.4 36.6





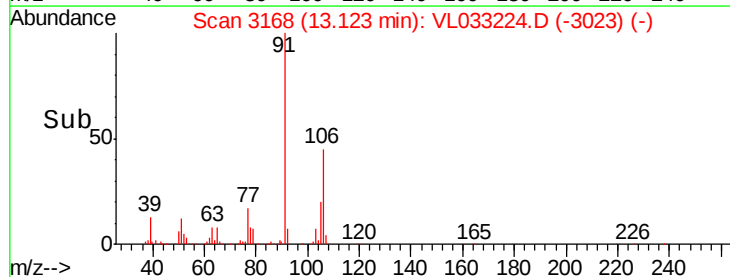
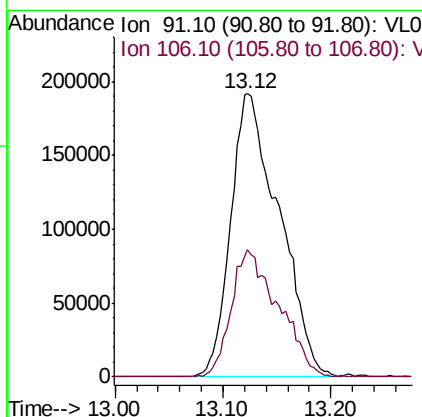
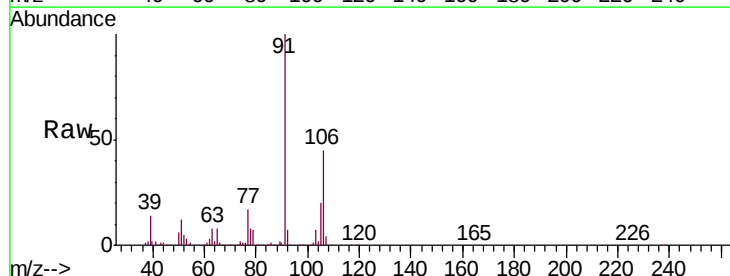
#58
Ethyl Benzene
Concen: 0.422 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

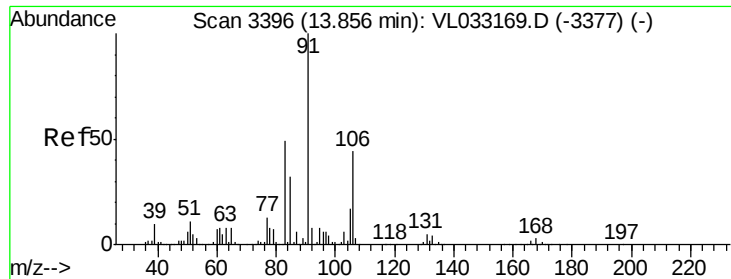
Tgt Ion: 91 Resp: 128405
Ion Ratio Lower Upper
91 100
106 21.9 23.8 35.8#



#59
m/p-Xylene
Concen: 2.354 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.04 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

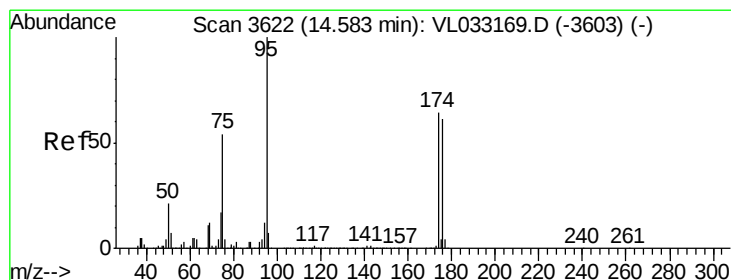
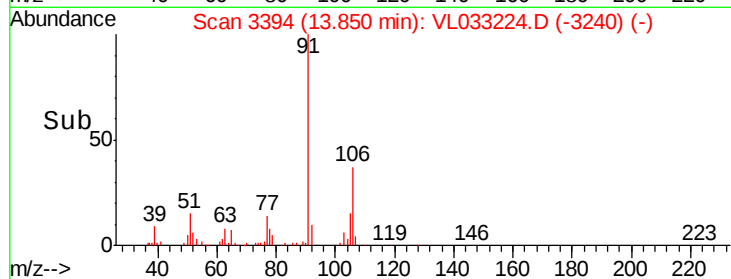
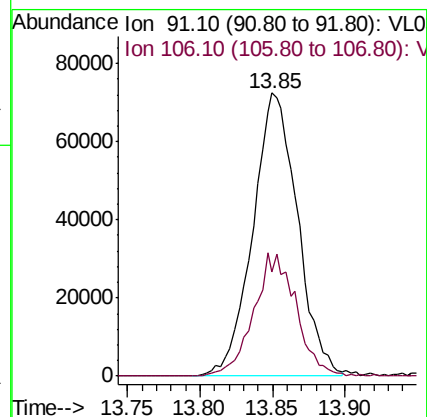
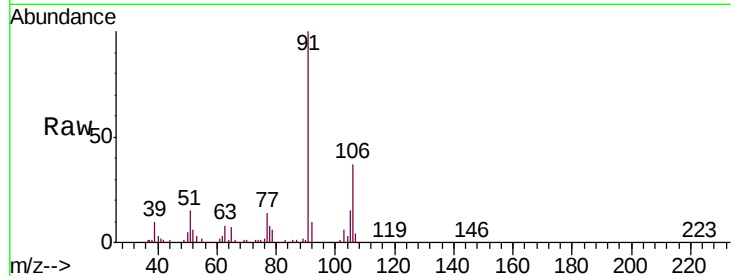
Tgt Ion: 91 Resp: 598307
Ion Ratio Lower Upper
91 100
106 43.8 0.0 0.0#





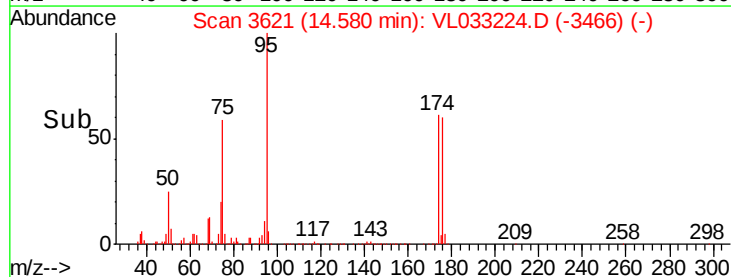
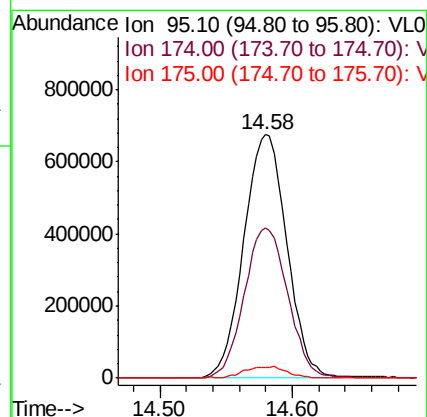
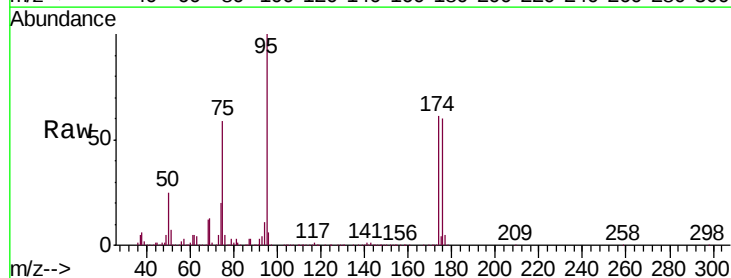
#60
o-Xylene
Concen: 0.629 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

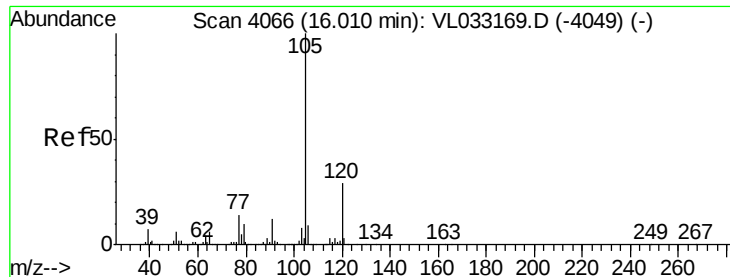
Tgt Ion: 91 Resp: 155444
Ion Ratio Lower Upper
91 100
106 41.0 21.8 65.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.520 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033224.D
Acq: 15 Feb 2019 9:48

Tgt Ion: 95 Resp: 1524878
Ion Ratio Lower Upper
95 100
174 63.0 51.2 76.8
175 4.7 3.8 5.6





#72

4-Ethyltoluene

Concen: 0.066 ppbv

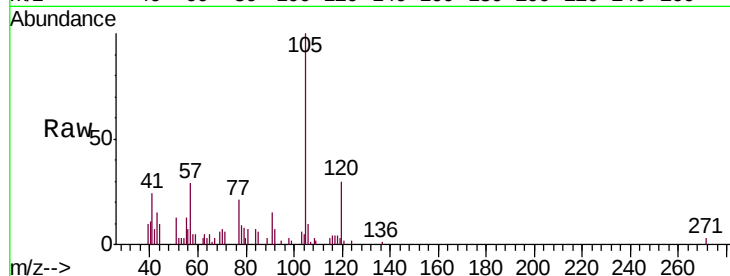
RT: 16.00 min Scan# 4063

Delta R.T. -0.01 min

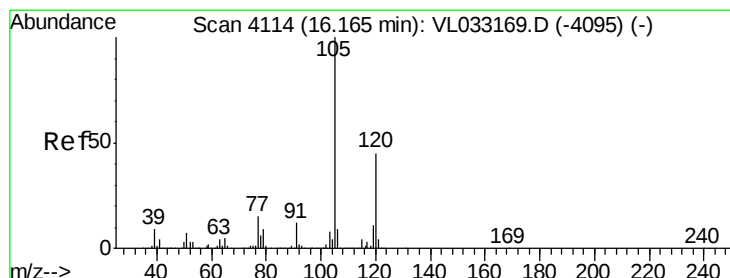
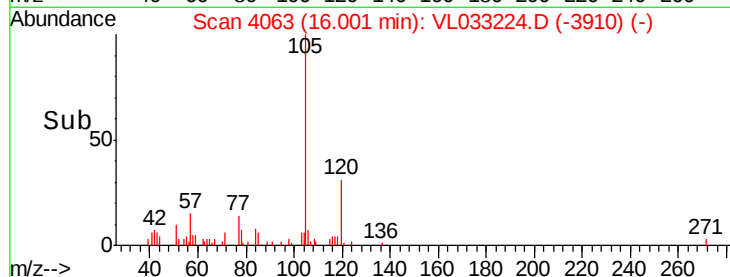
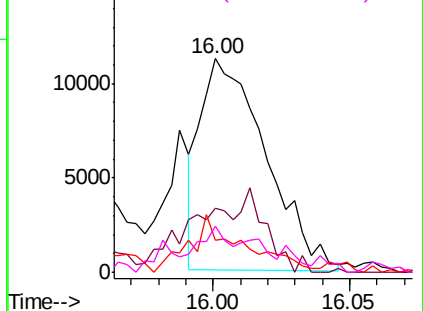
Lab File: VL033224.D

Acq: 15 Feb 2019 9:48

Tgt Ion:	105	Resp:	18676
Ion	Ratio	Lower	Upper
105	100		
120	42.4	23.1	34.7#
91	24.8	9.8	14.6#
77	28.5	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



#73

1,3,5-Trimethylbenzene

Concen: 0.052 ppbv

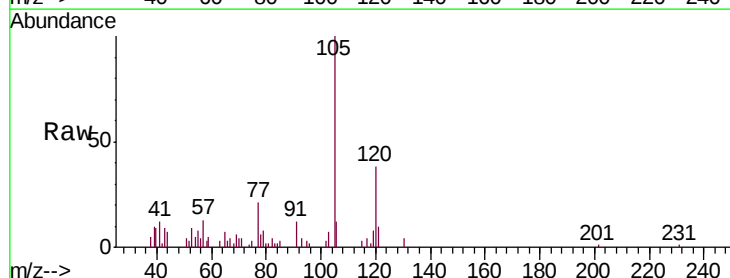
RT: 16.16 min Scan# 4113

Delta R.T. -0.00 min

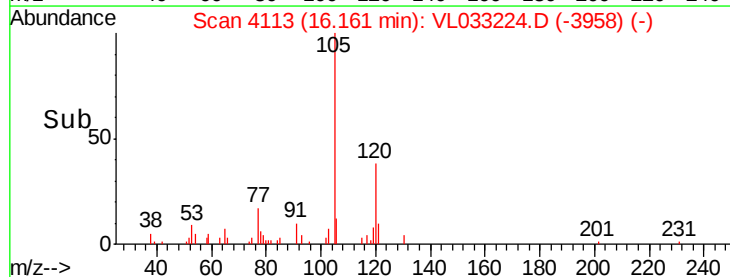
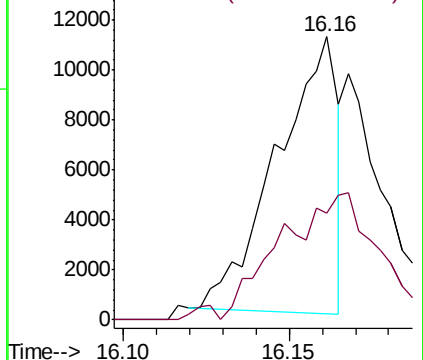
Lab File: VL033224.D

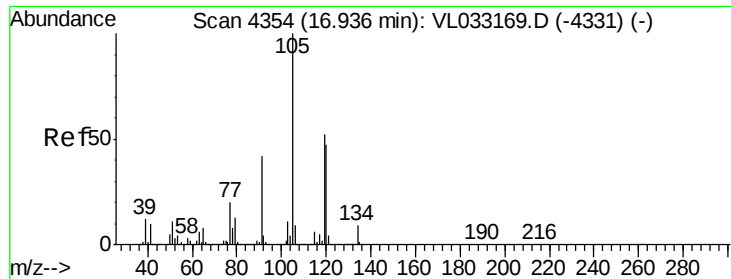
Acq: 15 Feb 2019 9:48

Tgt Ion:	105	Resp:	14083
Ion	Ratio	Lower	Upper
105	100		
120	33.4	36.2	54.4#



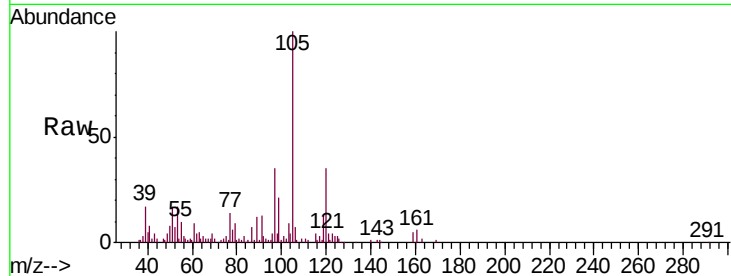
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V



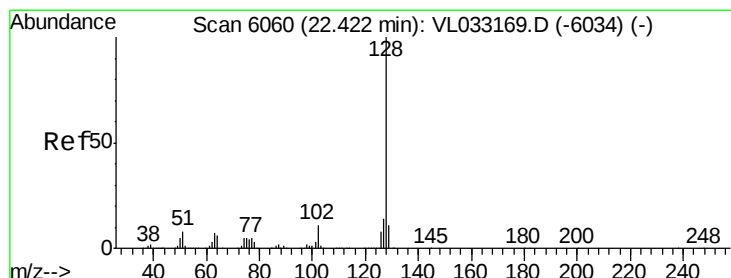
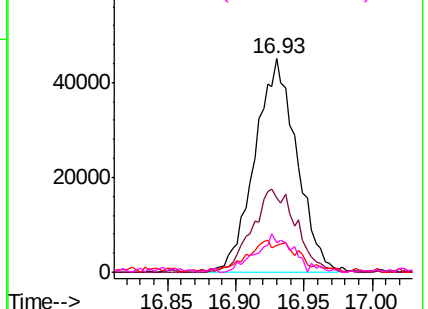
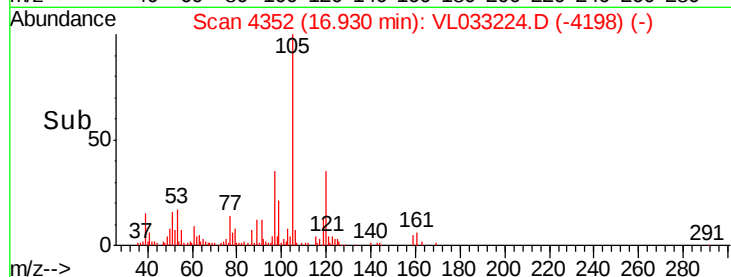


#74
 1,2,4-Trimethylbenzene
 Concen: 0.339 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

Tgt Ion:	105	Resp:	95857
Ion Ratio	Lower	Upper	
105	100		
120	34.6	37.9	56.9#
91	12.0	34.0	51.0#
77	12.8	15.7	23.5#

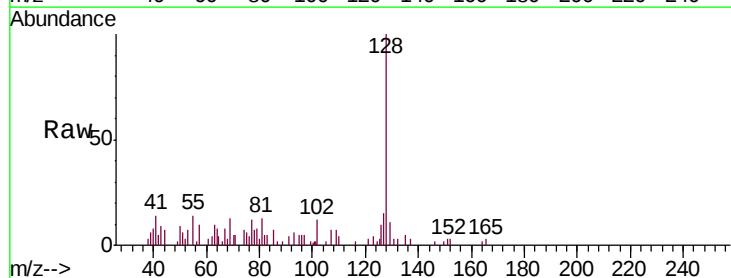


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0



#79
 Naphthalene
 Concen: 0.056 ppbv
 RT: 22.42 min Scan# 6059
 Delta R.T. -0.00 min
 Lab File: VL033224.D
 Acq: 15 Feb 2019 9:48

Tgt Ion:	128	Resp:	17157
Ion Ratio	Lower	Upper	
128	100		
127	12.7	11.0	16.4
129	11.0	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

