

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031429.D
 Acq On : 22 Jan 2018 23:39
 Operator : SY/AP
 Sample : J1089-11
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 23 10:28:20 2018

Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 17:52:32 2018

QLast Update : Mon Jan 22 17:52:32 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.90	49	1175135	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.44	114	2699585	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2628977	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2162993	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.18	85	35359	0.21	ppbv	100
3) Chlorodifluoromethane	3.11	51	20934	0.13	ppbv	95
4) Chloromethane	3.27	50	9616	0.14	ppbv #	82
5) Vinyl Chloride	3.40	62	8631	0.13	ppbv #	83
6) Bromomethane	3.63	94	6684m	0.14	ppbv	
7) Chloroethane	3.72	64	4068	0.14	ppbv #	74
8) Dichlorotetrafluoroethane	3.32	85	26997	0.15	ppbv	96
9) Propene	3.14	41	6738m	0.12	ppbv	
10) Heptane	8.41	43	15760m	0.09	ppbv	
11) Trichlorofluoromethane	4.13	101	31713	0.14	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.68	101	20257	0.14	ppbv	95
13) Ethanol	3.78	45	3876m	0.24	ppbv	
14) Bromoethene	3.91	108	7961m	0.14	ppbv	
15) Acetone	4.04	43	30769	0.20	ppbv	99
16) 1,3-Butadiene	3.47	39	6503	0.10	ppbv #	78
17) tert-Butyl alcohol	4.52	59	9628m	0.13	ppbv	
18) 1,1-Dichloroethene	4.48	96	7565	0.12	ppbv	86
19) Isopropyl Alcohol	4.17	45	14264m	0.15	ppbv	
20) Methylene Chloride	4.54	84	16928	0.28	ppbv	87
21) Allyl Chloride	4.61	41	11348	0.12	ppbv	99
22) trans-1,2-Dichloroethene	5.10	96	8493	0.13	ppbv	92
23) Vinyl Acetate	5.30	43	21856m	0.12	ppbv	
24) 1,1-Dichloroethane	5.22	63	22400	0.14	ppbv	96
25) Ethyl Acetate	5.93	43	32953	0.12	ppbv #	98
26) Hexane	5.92	57	14775m	0.12	ppbv	
27) Carbon Disulfide	4.76	76	18502	0.11	ppbv #	78
28) Methyl tert-Butyl Ether	5.27	73	15858m	0.11	ppbv	
29) Chloroform	5.99	83	26505	0.12	ppbv	91
30) Cyclohexane	7.42	84	16140m	0.17	ppbv	
31) cis-1,2-Dichloroethene	5.78	61	13274	0.11	ppbv	89
32) 1,1,1-Trichloroethane	6.77	97	26597m	0.13	ppbv	
34) 2-Butanone	5.49	43	20548	0.12	ppbv	99
35) Carbon Tetrachloride	7.29	117	28821	0.13	ppbv	96
36) Benzene	7.16	78	25796m	0.11	ppbv	
37) 1,2-Dichloroethane	6.56	62	23232	0.12	ppbv #	96
38) Trichloroethene	8.12	130	12999m	0.14	ppbv	
39) 1,2-Dichloropropane	7.90	63	11349m	0.13	ppbv	
40) 1,4-Dioxane	8.19	88	3294m	0.09	ppbv	
41) Tetrahydrofuran	6.34	42	8799	0.09	ppbv	94
42) Bromodichloromethane	8.07	83	26927	0.12	ppbv	94
43) Methyl Methacrylate	8.31	69	8179	0.09	ppbv	96

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031429.D
 Acq On : 22 Jan 2018 23:39
 Operator : SY/AP
 Sample : J1089-11
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 23 10:28:20 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 17:52:32 2018
 QLast Update : Mon Jan 22 17:52:32 2018
 Response via : Initial Calibration

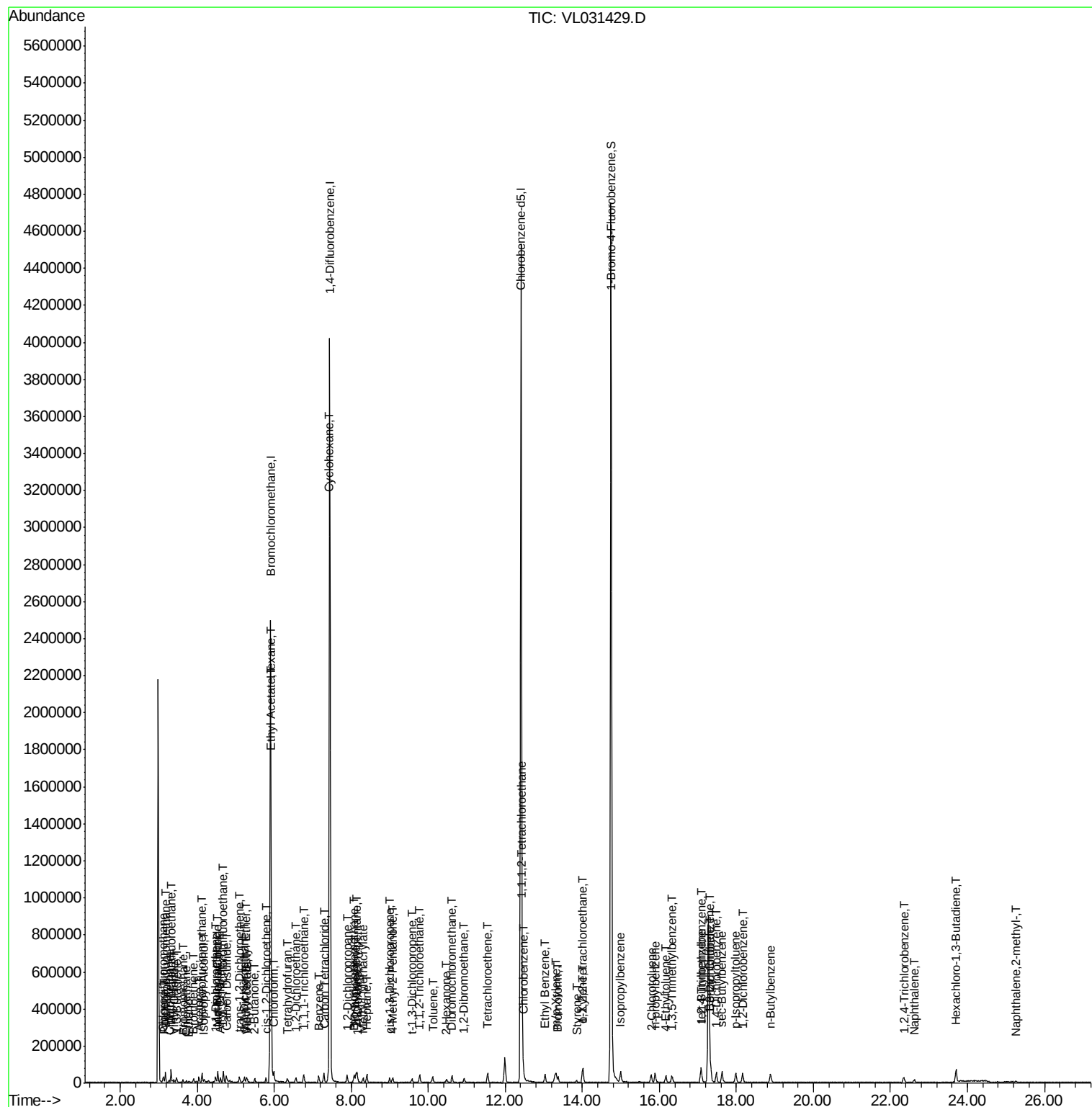
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

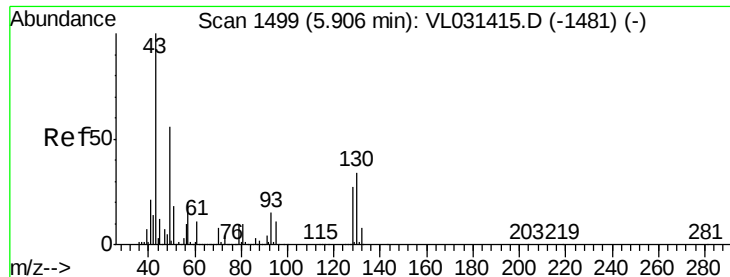
44) 2,2,4-Trimethylpentane	8.15	57	37110m	0.09	ppbv	
45) t-1,3-Dichloropropene	9.58	75	10389m	0.08	ppbv	
46) cis-1,3-Dichloropropene	8.99	75	12530	0.08	ppbv	90
47) 1,1,2-Trichloroethane	9.77	97	13308m	0.13	ppbv	
48) Dibromochloromethane	10.61	129	20747m	0.11	ppbv	
49) Bromoform	13.37	173	15206m	0.11	ppbv	
50) 4-Methyl-2-Pentanone	9.07	43	19576m	0.09	ppbv	
51) 2-Hexanone	10.47	43	16258m	0.07	ppbv	
52) Tetrachloroethene	11.54	164	10576m	0.12	ppbv	
53) Toluene	10.11	91	23898m	0.08	ppbv	
54) 1,2-Dibromoethane	10.93	107	17873m	0.11	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.45	131	17031m	0.14	ppbv	
57) Chlorobenzene	12.47	112	30459m	0.13	ppbv	
58) Ethyl Benzene	13.03	91	35707	0.09	ppbv	95
59) m/p-Xylene	13.30	91	58657m	0.18	ppbv	
60) o-Xylene	14.02	91	27276	0.08	ppbv	99
61) Styrene	13.85	104	5173m	0.07	ppbv	
62) Isopropylbenzene	15.00	105	42258	0.10	ppbv	97
63) 1,1,2,2-Tetrachloroethane	14.01	83	27920	0.12	ppbv	95
64) n-propylbenzene	15.89	120	7910m	0.08	ppbv	
65) tert-Butylbenzene	17.08	119	31068m	0.09	ppbv	
66) Benzyl Chloride	17.33	91	3907m	0.11	ppbv	
67) sec-Butylbenzene	17.63	105	46717	0.09	ppbv	99
69) p-Isopropyltoluene	17.98	119	33013	0.08	ppbv	94
70) n-Butylbenzene	18.88	91	35709m	0.08	ppbv	
71) 2-Chlorotoluene	15.78	91	29540m	0.09	ppbv	
72) 4-Ethyltoluene	16.17	105	28105m	0.08	ppbv	
73) 1,3,5-Trimethylbenzene	16.33	105	25000	0.08	ppbv #	77
74) 1,2,4-Trimethylbenzene	17.10	105	26734	0.08	ppbv #	92
75) 1,3-Dichlorobenzene	17.33	146	27470m	0.13	ppbv	
76) 1,4-Dichlorobenzene	17.48	146	23949m	0.12	ppbv	
77) 1,2-Dichlorobenzene	18.17	146	24631m	0.12	ppbv	
78) Hexachloro-1,3-Butadiene	23.70	225	14328m	0.20	ppbv	
79) Naphthalene	22.62	128	15585m	0.08	ppbv	
80) Naphthalene, 2-methyl-	25.26	142	3541	0.06	ppbv #	93
81) 1,2,4-Trichlorobenzene	22.35	180	11517m	0.10	ppbv	

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

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
Data File : VL031429.D
Acq On : 22 Jan 2018 23:39
Operator : SY/AP
Sample : J1089-11
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 23 10:28:20 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 17:52:32 2018
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.90 min Scan# 1498

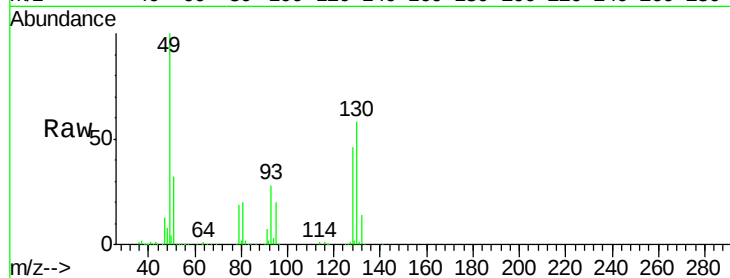
Delta R.T. -0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

Tot Ion: 49 Resp: 1175135

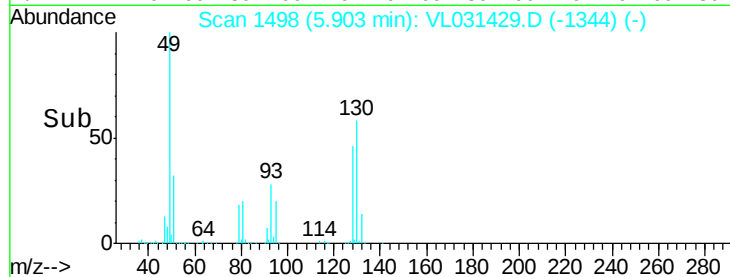
Ion	Ratio	Lower	Upper
49	100		
128	45.8	23.5	70.6
130	58.5	29.9	89.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.21 ppbv

RT: 3.18 min Scan# 651

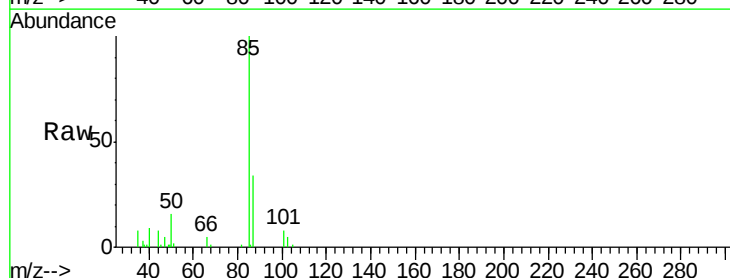
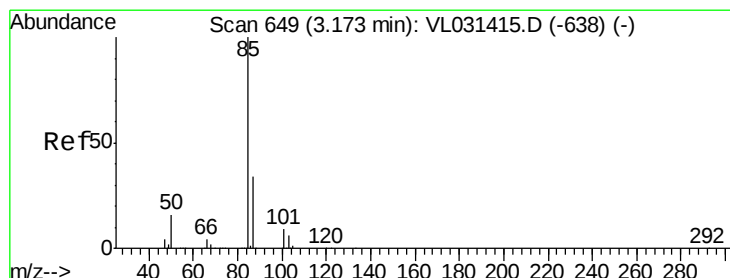
Delta R.T. 0.00 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

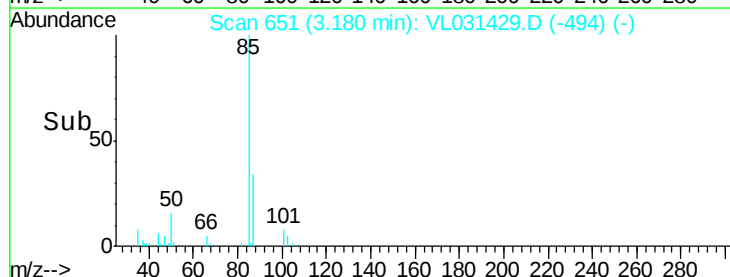
Tgt Ion: 85 Resp: 35359

Ion	Ratio	Lower	Upper
85	100		
87	33.9	27.4	41.0

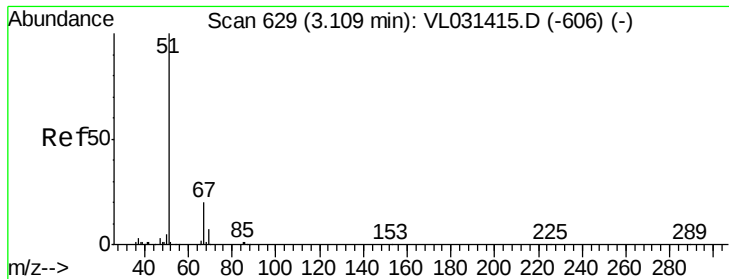


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 0.13 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL031429.D

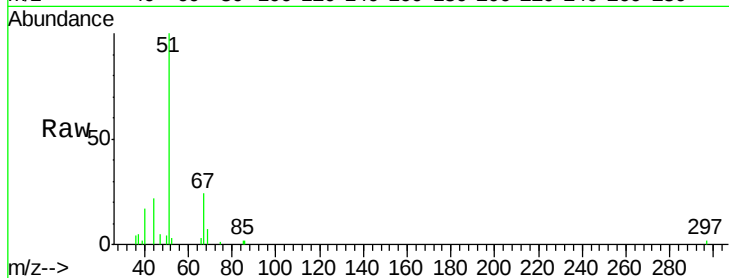
Acq: 22 Jan 2018 23:39

Tot Ion: 51 Resp: 20934

Ion Ratio Lower Upper

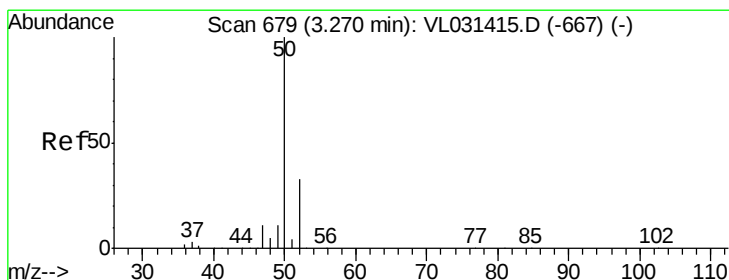
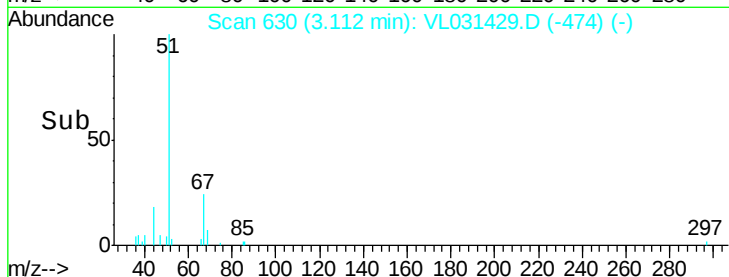
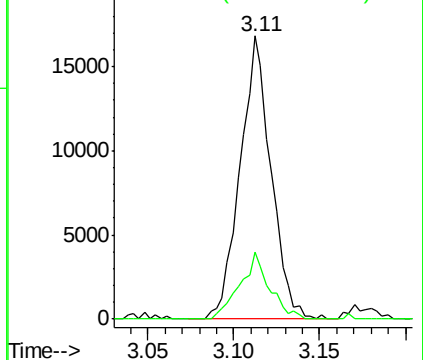
51 100

67 22.3 16.0 24.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.14 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL031429.D

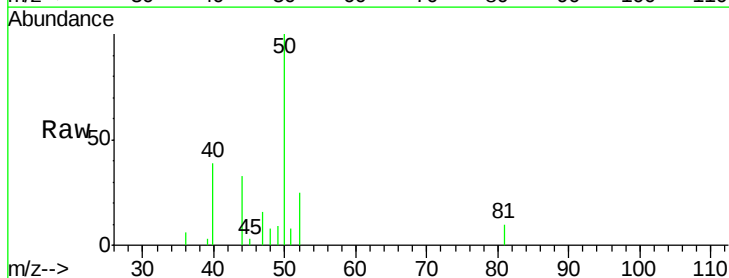
Acq: 22 Jan 2018 23:39

Tgt Ion: 50 Resp: 9616

Ion Ratio Lower Upper

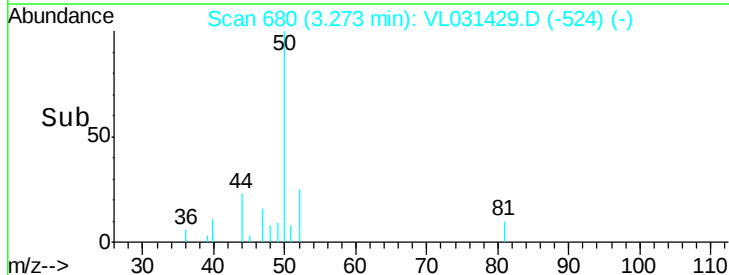
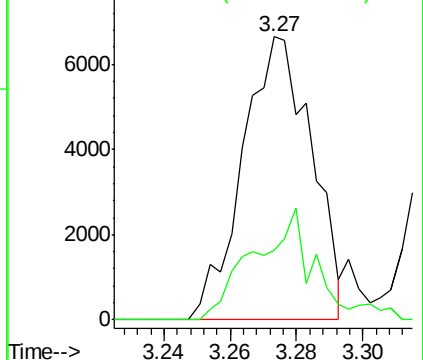
50 100

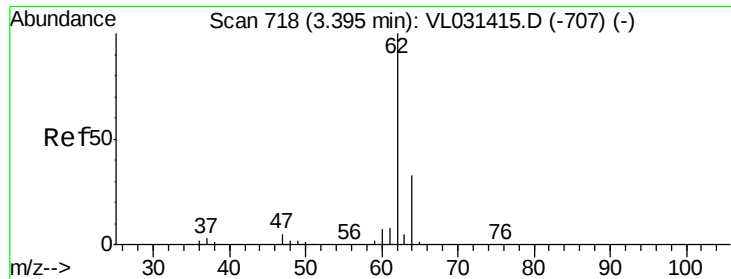
52 22.9 26.4 39.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.13 ppbv

RT: 3.40 min Scan# 719

Delta R.T. 0.00 min

Lab File: VL031429.D

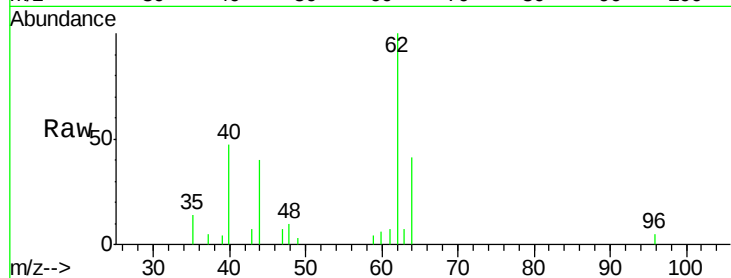
Acq: 22 Jan 2018 23:39

Tot Ion: 62 Resp: 8631

Ion Ratio Lower Upper

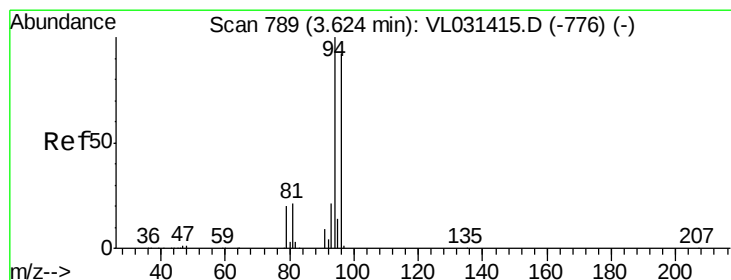
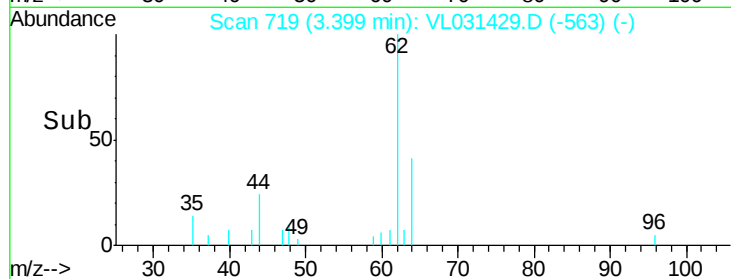
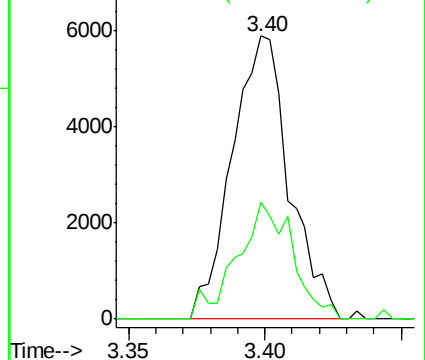
62 100

64 41.4 25.4 38.0#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.14 ppbv m

RT: 3.63 min Scan# 791

Delta R.T. 0.00 min

Lab File: VL031429.D

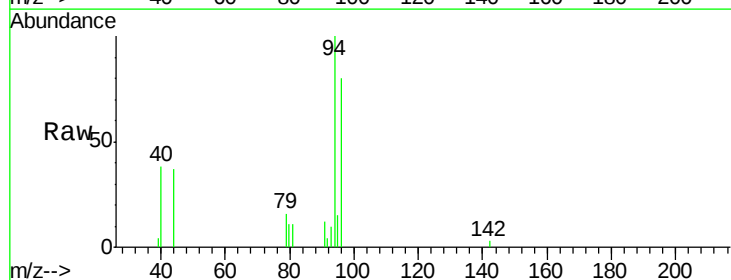
Acq: 22 Jan 2018 23:39

Tgt Ion: 94 Resp: 6684

Ion Ratio Lower Upper

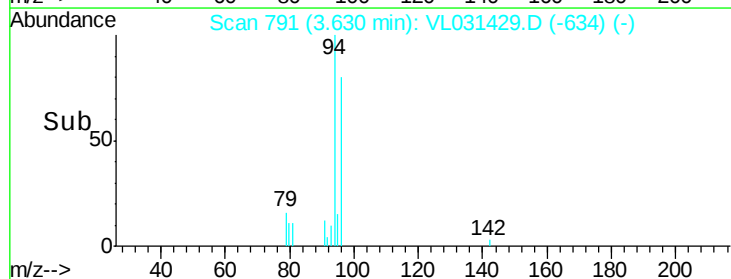
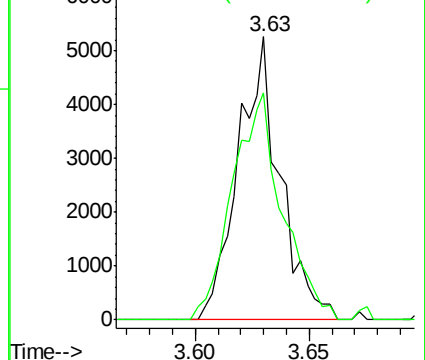
94 100

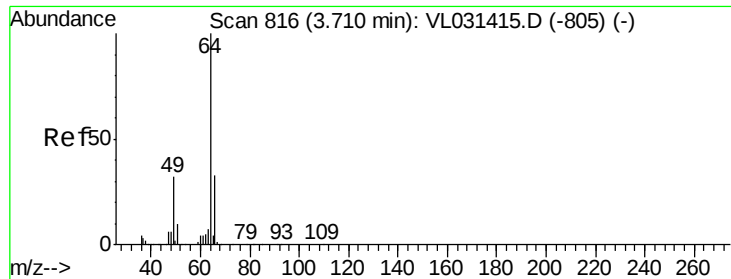
96 80.3 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.14 ppbv

RT: 3.72 min Scan# 818

Delta R.T. 0.00 min

Lab File: VL031429.D

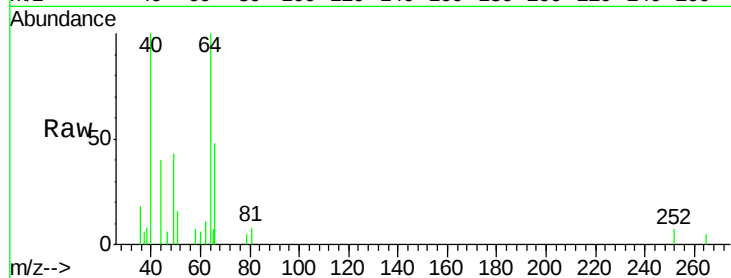
Acq: 22 Jan 2018 23:39

Tot Ion: 64 Resp: 4068

Ion Ratio Lower Upper

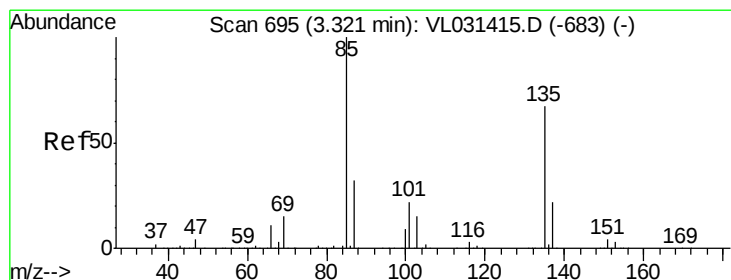
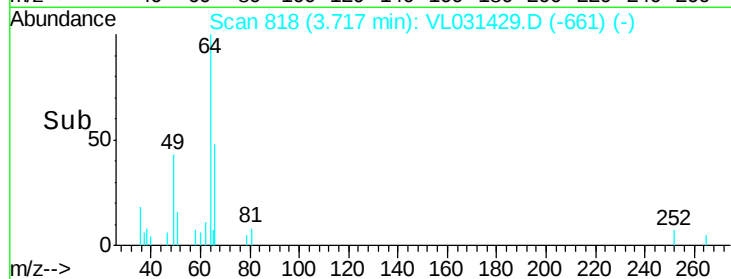
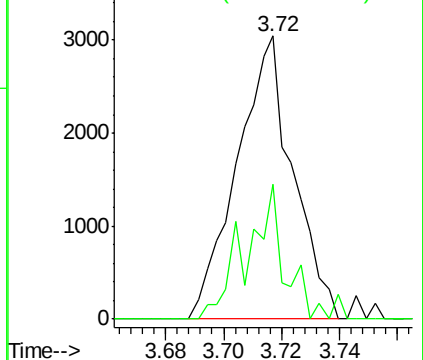
64 100

66 47.6 26.3 39.5#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.15 ppbv

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL031429.D

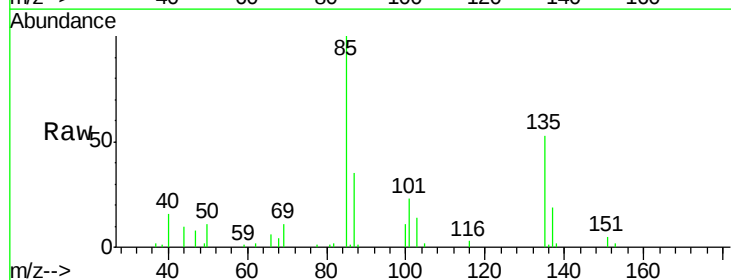
Acq: 22 Jan 2018 23:39

Tgt Ion: 85 Resp: 26997

Ion Ratio Lower Upper

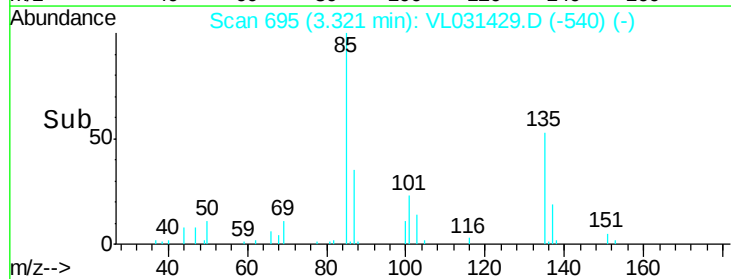
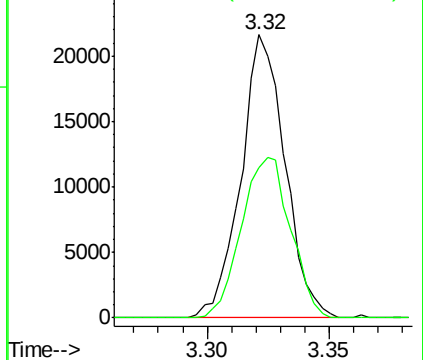
85 100

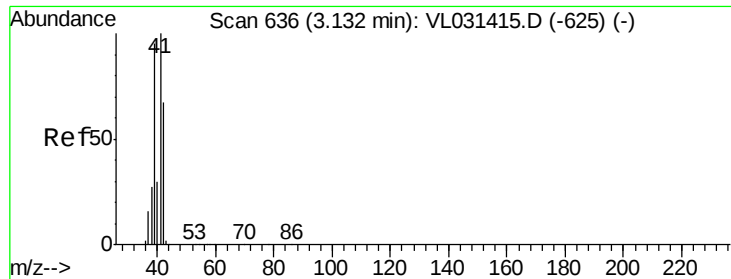
135 63.3 53.3 79.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.12 ppbv m

RT: 3.14 min Scan# 638

Delta R.T. 0.00 min

Lab File: VL031429.D

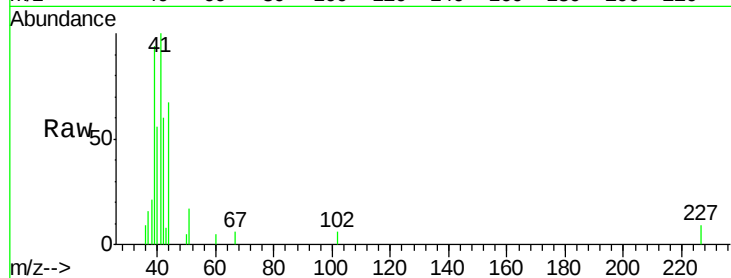
Acq: 22 Jan 2018 23:39

Tot Ion: 41 Resp: 6738

Ion Ratio Lower Upper

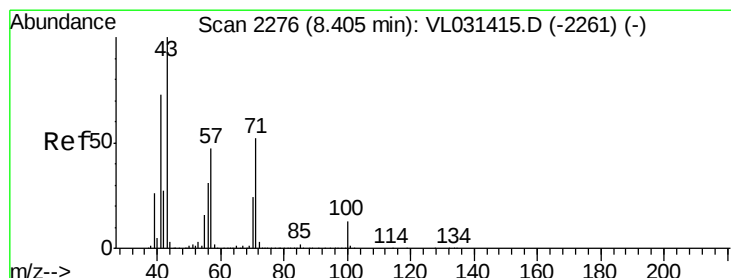
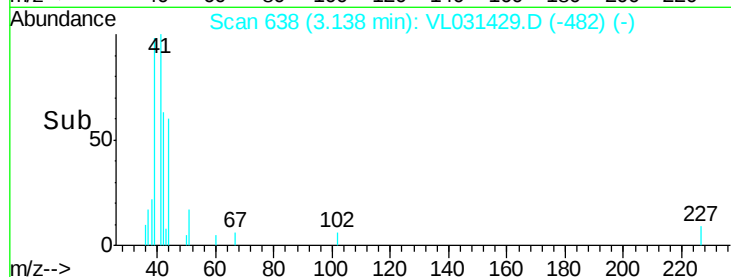
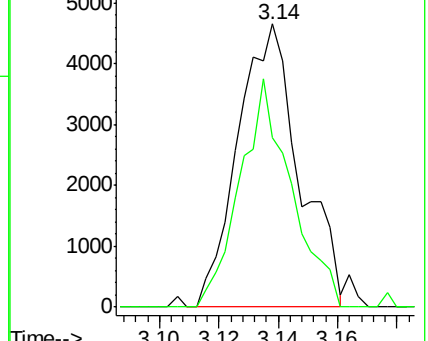
41 100

42 68.0 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.09 ppbv m

RT: 8.41 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VL031429.D

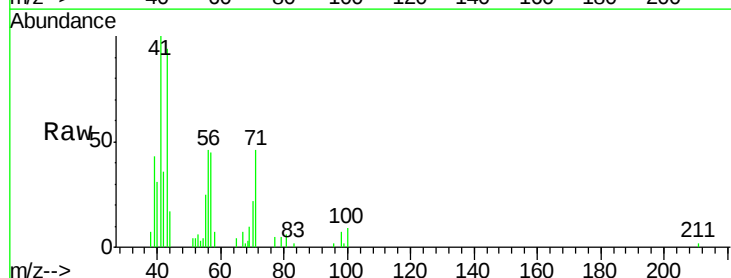
Acq: 22 Jan 2018 23:39

Tgt Ion: 43 Resp: 15760

Ion Ratio Lower Upper

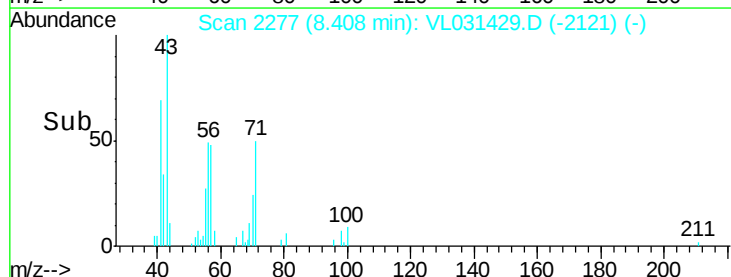
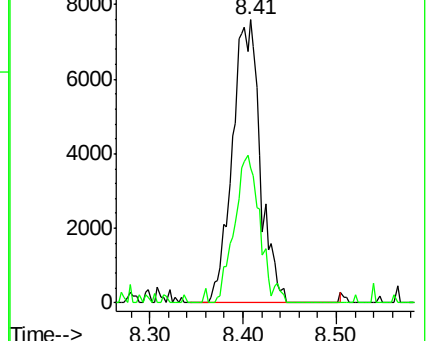
43 100

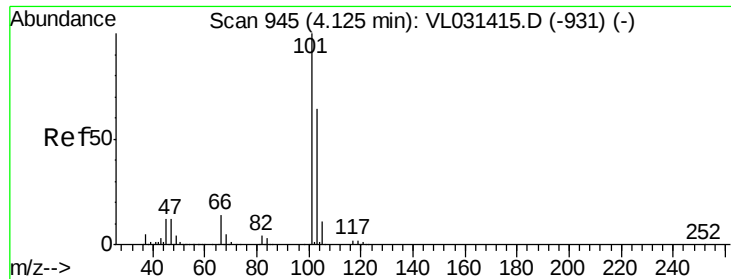
57 0.0 39.7 59.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

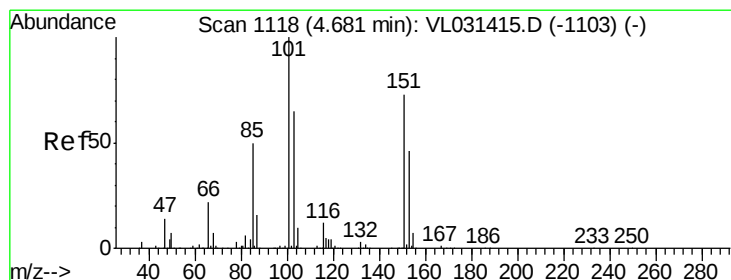
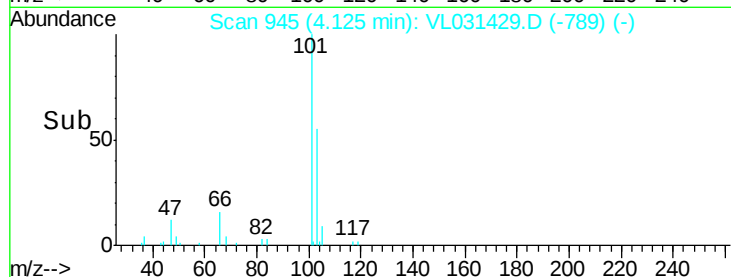
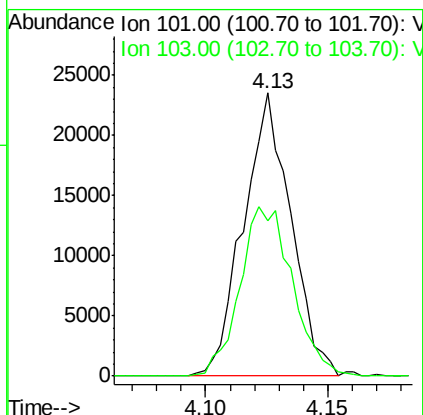
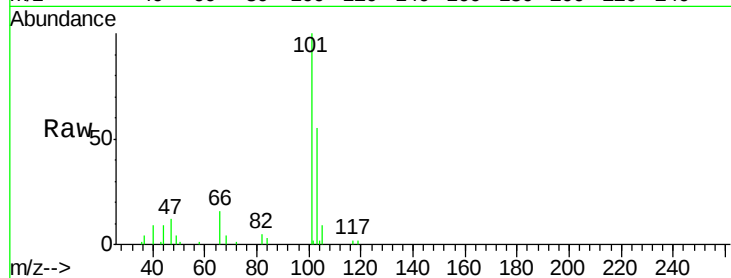
Ion 57.10 (56.80 to 57.80): VL0





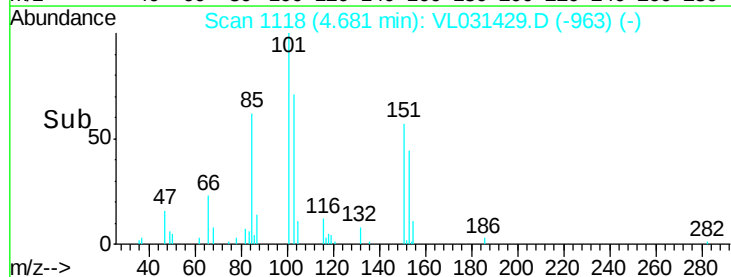
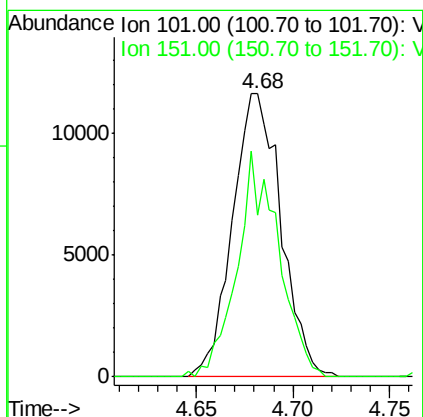
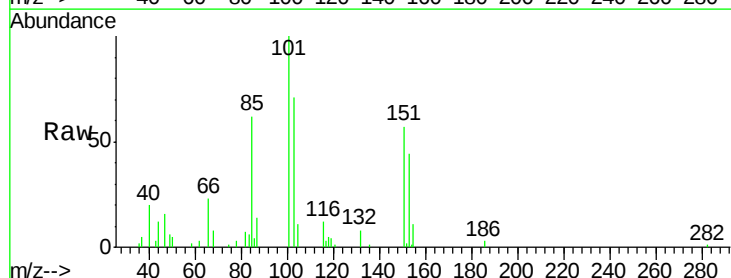
#11
 Trichlorofluoromethane
 Concen: 0.14 ppbv
 RT: 4.13 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VL031429.D
 Acq: 22 Jan 2018 23:39

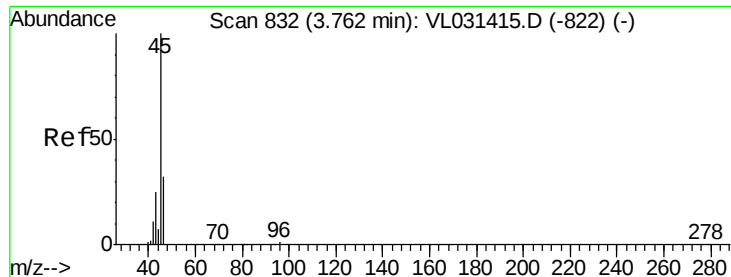
Tot Ion:101 Resp: 31713
 Ion Ratio Lower Upper
 101 100
 103 55.0 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.14 ppbv
 RT: 4.68 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: VL031429.D
 Acq: 22 Jan 2018 23:39

Tgt Ion:101 Resp: 20257
 Ion Ratio Lower Upper
 101 100
 151 68.0 58.1 87.1



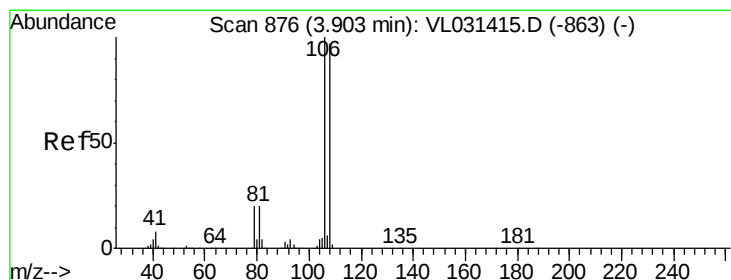
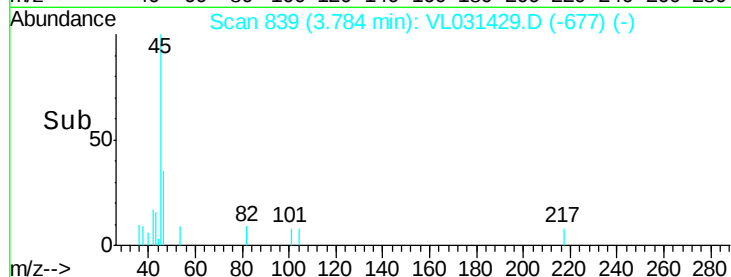
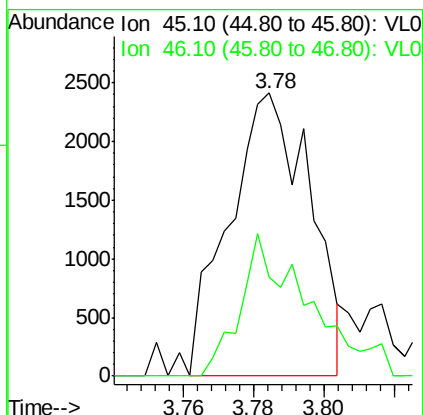
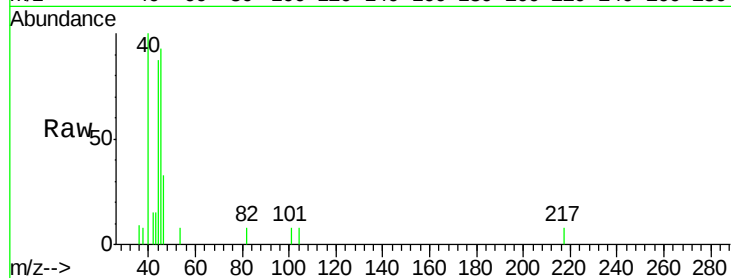


#13

Ethanol

Concen: 0.24 ppbv m
RT: 3.78 min Scan# 839
Delta R.T. 0.02 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tot Ion: 45 Resp: 3876
Ion Ratio Lower Upper
45 100
46 42.4 14.9 59.5

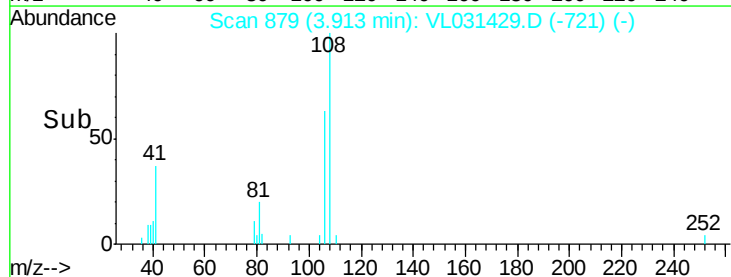
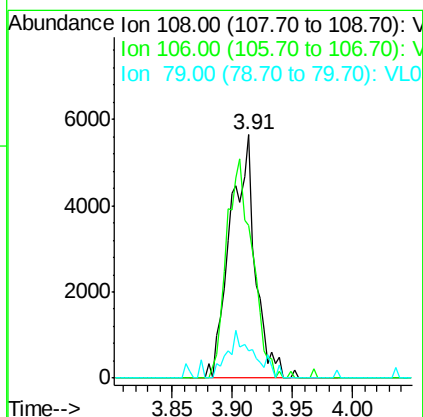
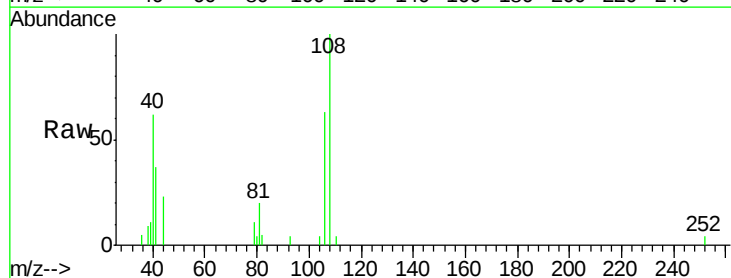


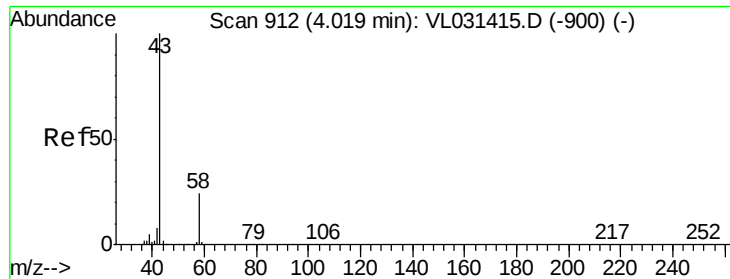
#14

Bromoethene

Concen: 0.14 ppbv m
RT: 3.91 min Scan# 879
Delta R.T. 0.01 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tgt Ion: 108 Resp: 7961
Ion Ratio Lower Upper
108 100
106 92.5 85.3 127.9
79 22.6 16.8 25.2





#15

Acetone

Concen: 0.20 ppbv

RT: 4.04 min Scan# 919

Delta R.T. 0.02 min

Lab File: VL031429.D

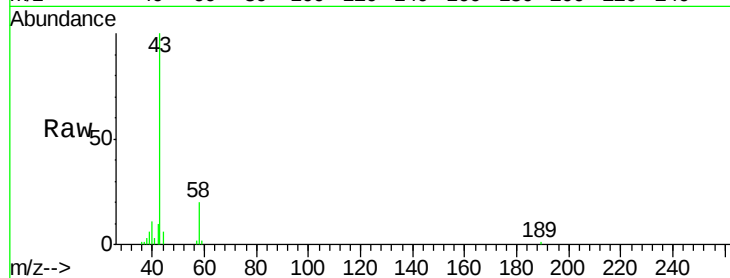
Acq: 22 Jan 2018 23:39

Tot Ion: 43 Resp: 30769

Ion Ratio Lower Upper

43 100

58 24.7 19.4 29.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

25000

20000

15000

10000

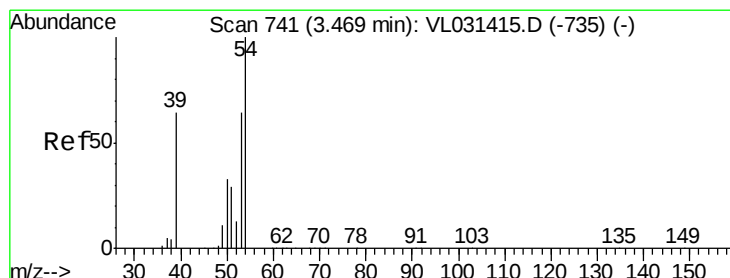
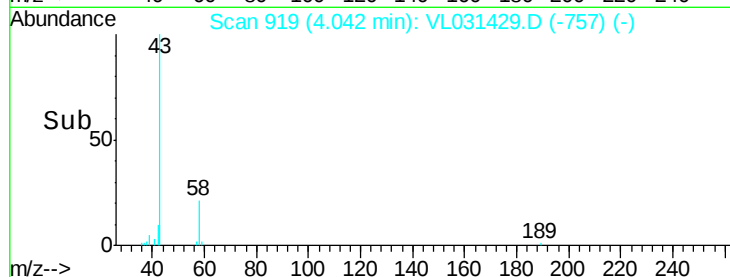
5000

0

Time-->

4.00 4.05

4.04



#16

1,3-Butadiene

Concen: 0.10 ppbv

RT: 3.47 min Scan# 741

Delta R.T. -0.00 min

Lab File: VL031429.D

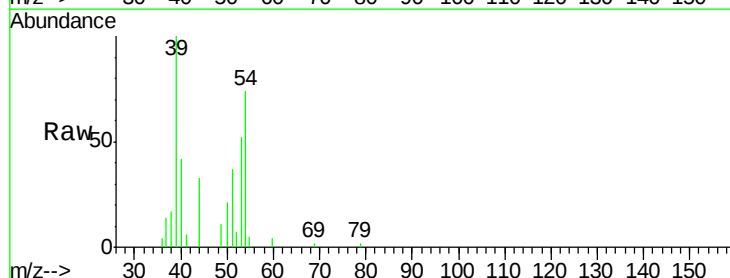
Acq: 22 Jan 2018 23:39

Tgt Ion: 39 Resp: 6503

Ion Ratio Lower Upper

39 100

54 103.5 67.0 100.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

8000

6000

4000

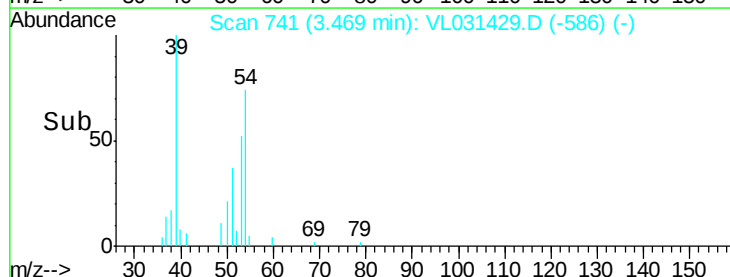
2000

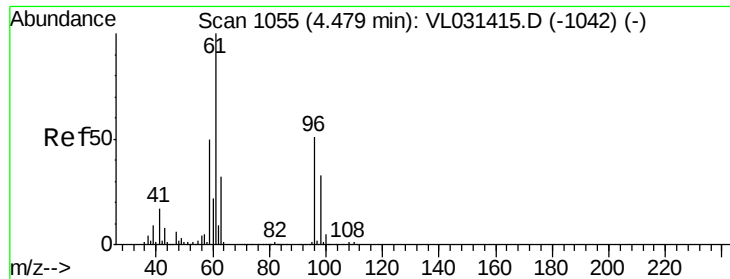
0

Time-->

3.46 3.48 3.50

3.47





#17

tert-Butyl alcohol

Concen: 0.13 ppbv m

RT: 4.52 min Scan# 1069

Delta R.T. 0.04 min

Lab File: VL031429.D

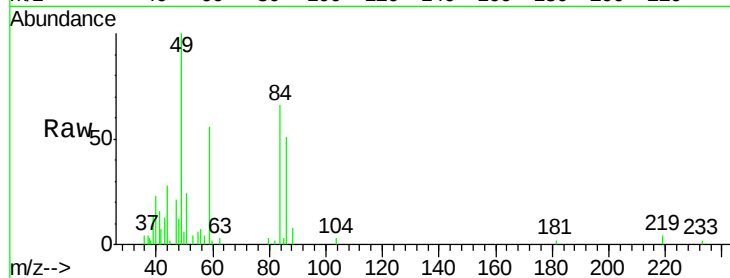
Acq: 22 Jan 2018 23:39

Tot Ion: 59 Resp: 9628

Ion Ratio Lower Upper

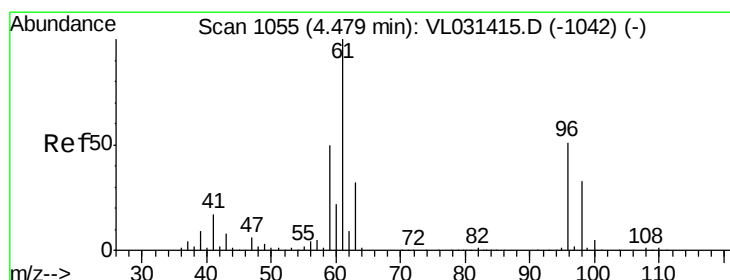
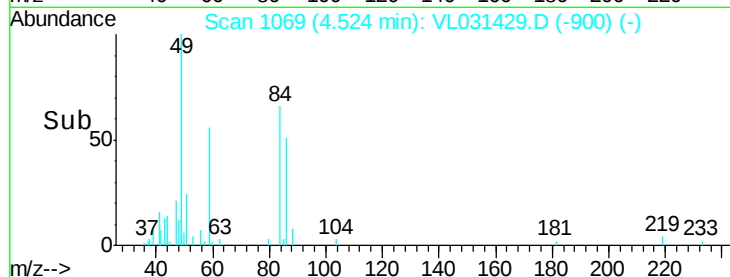
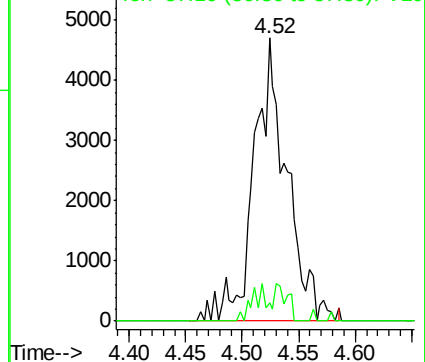
59 100

57 0.0 8.6 13.0#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.12 ppbv

RT: 4.48 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

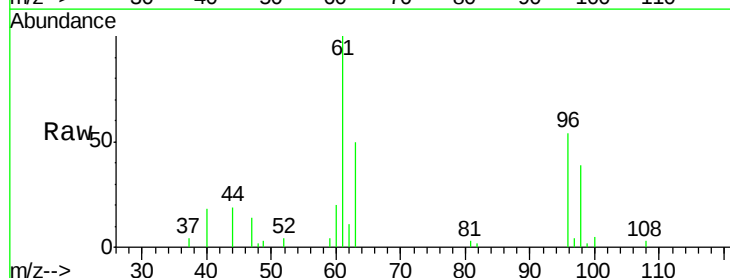
Tgt Ion: 96 Resp: 7565

Ion Ratio Lower Upper

96 100

61 181.0 161.6 242.4

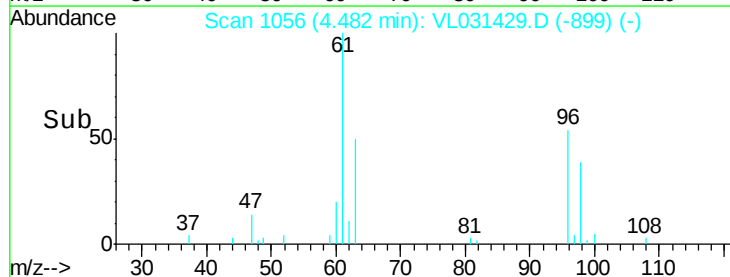
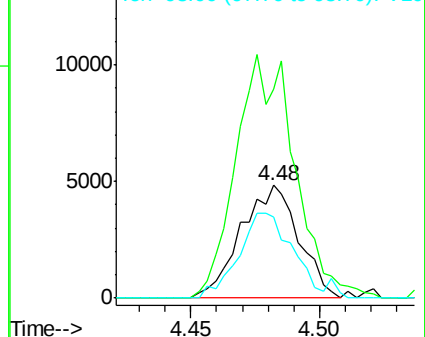
98 72.4 49.6 74.4

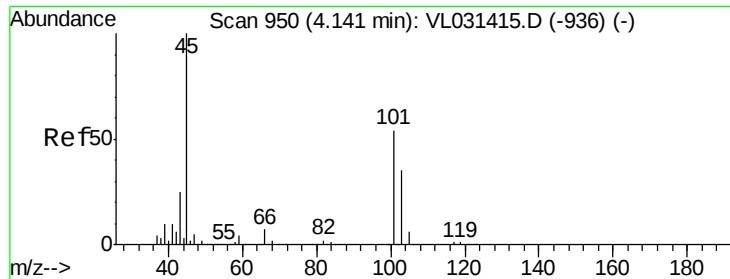


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.15 ppbv m

RT: 4.17 min Scan# 960

Delta R.T. 0.03 min

Lab File: VL031429.D

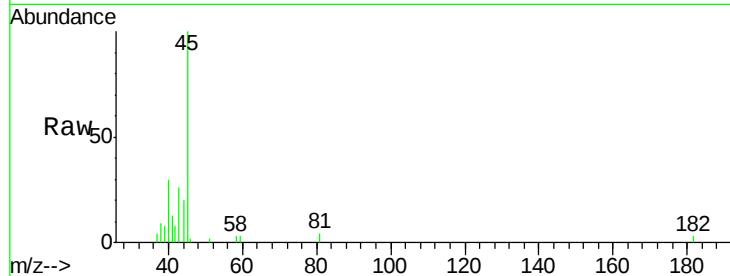
Acq: 22 Jan 2018 23:39

Tot Ion: 45 Resp: 14264

Ion Ratio Lower Upper

45 100

58 2.8 1.0 1.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.17

8000

6000

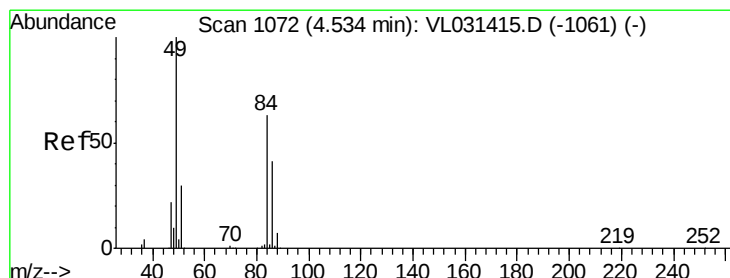
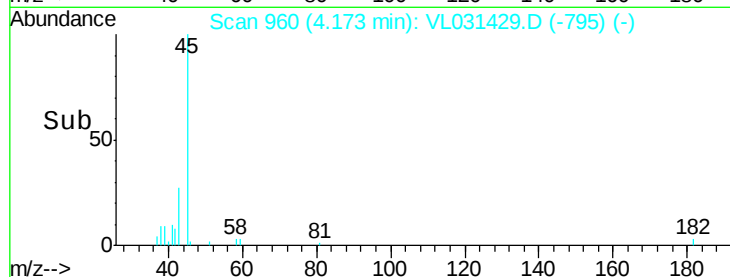
4000

2000

0

Time-->

4.10 4.15 4.20 4.25



#20

Methylene Chloride

Concen: 0.28 ppbv

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

Tgt Ion: 84 Resp: 16928

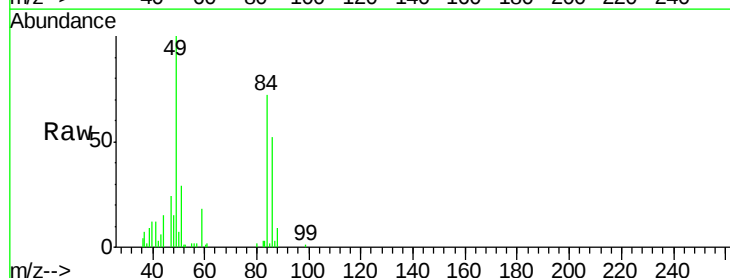
Ion Ratio Lower Upper

84 100

49 135.9 123.4 185.0

51 39.5 35.6 53.4

86 71.7 49.4 74.2



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

25000

20000

15000

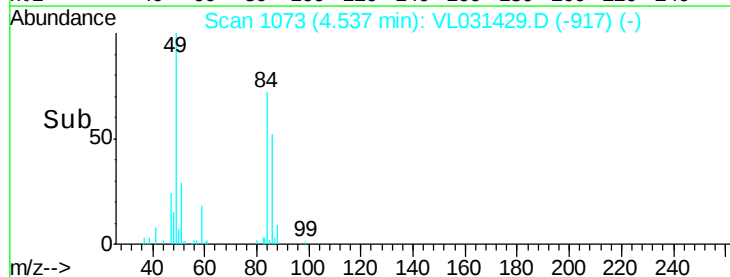
10000

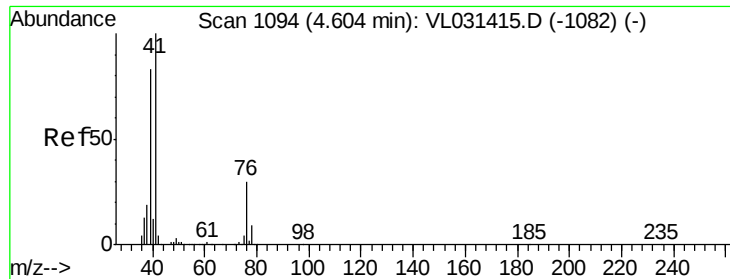
5000

0

Time-->

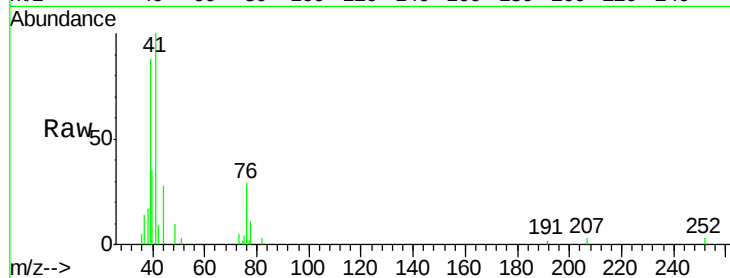
4.50 4.55



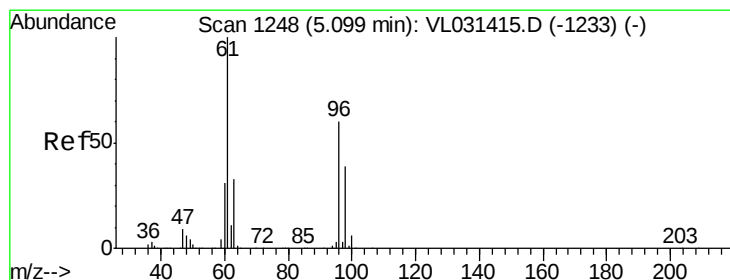
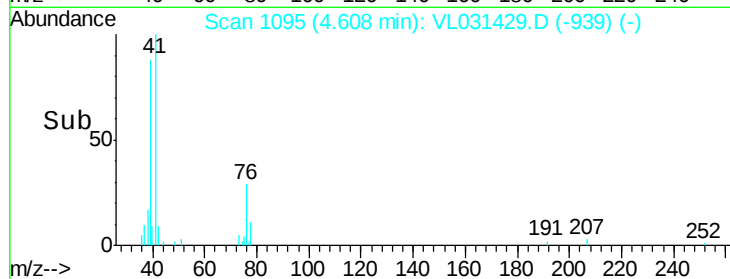
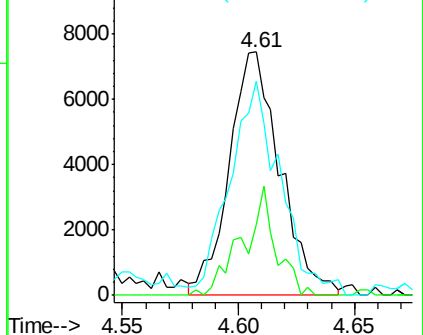


#21
Allvl Chloride
Concen: 0.12 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tot Ion: 41 Resp: 11348
Ion Ratio Lower Upper
41 100
76 29.3 24.2 36.2
39 87.6 69.8 104.8

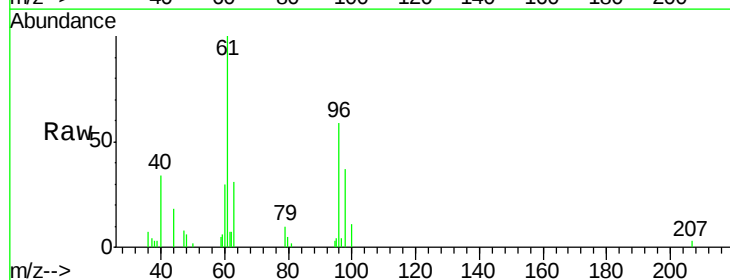


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

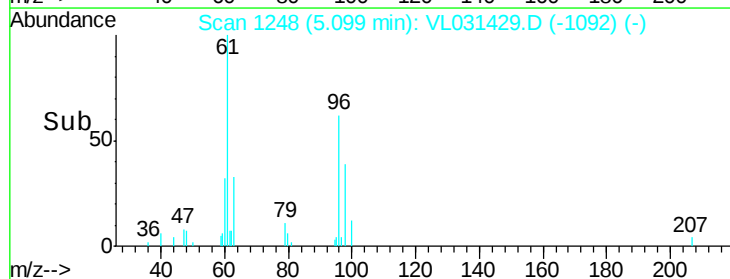
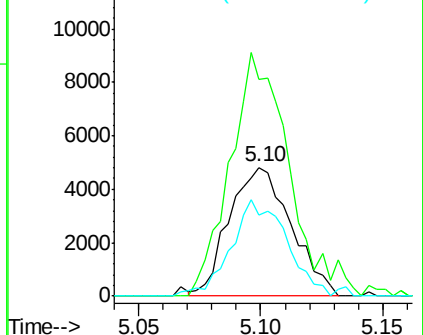


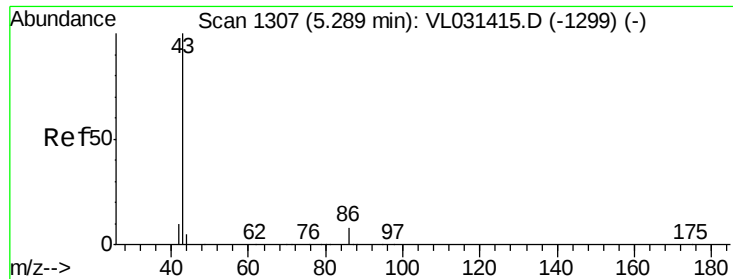
#22
trans-1,2-Dichloroethene
Concen: 0.13 ppbv
RT: 5.10 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tgt Ion: 96 Resp: 8493
Ion Ratio Lower Upper
96 100
61 180.3 135.0 202.4
98 58.8 52.2 78.2



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





#23

Vinyl Acetate

Concen: 0.12 ppbv m

RT: 5.30 min Scan# 1311

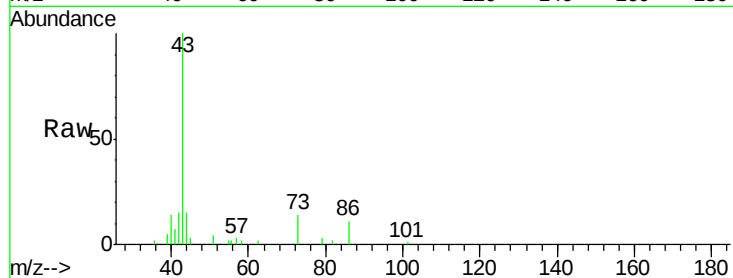
Delta R.T. 0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

Tot Ion: 43 Resp: 21856

Ion	Ratio	Lower	Upper
43	100		
86	11.1	5.6	8.4#
42	15.0	8.6	12.8#
44	14.8	4.2	6.4#

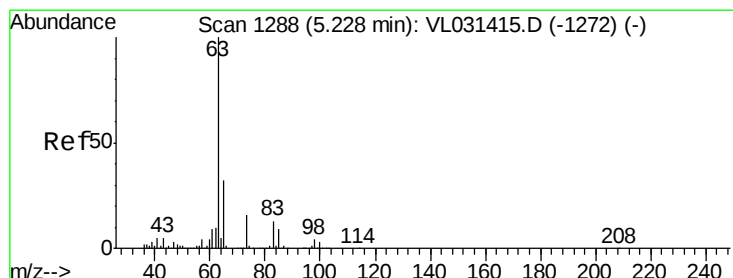
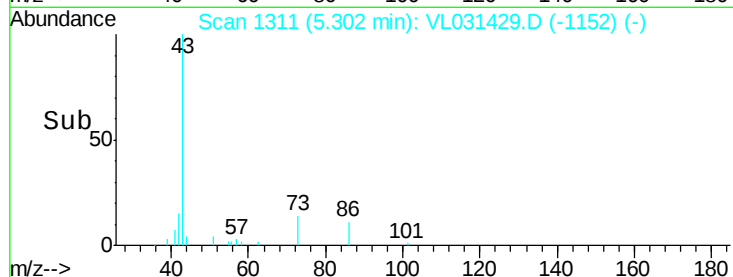
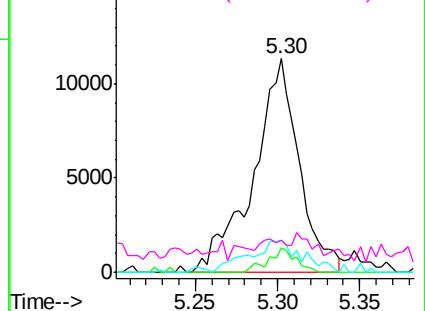


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.14 ppbv

RT: 5.22 min Scan# 1287

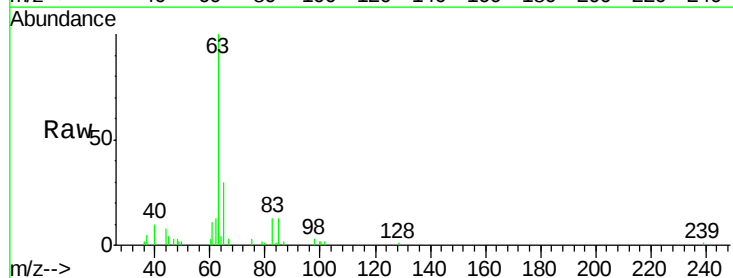
Delta R.T. -0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

Tgt Ion: 63 Resp: 22400

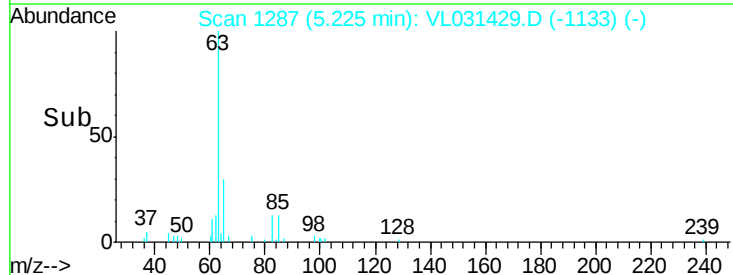
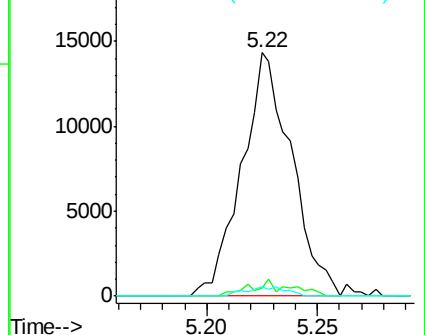
Ion	Ratio	Lower	Upper
63	100		
98	3.2	2.4	7.1
100	3.9	1.3	3.9

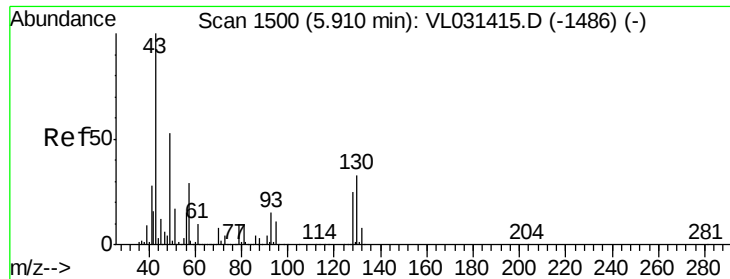


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

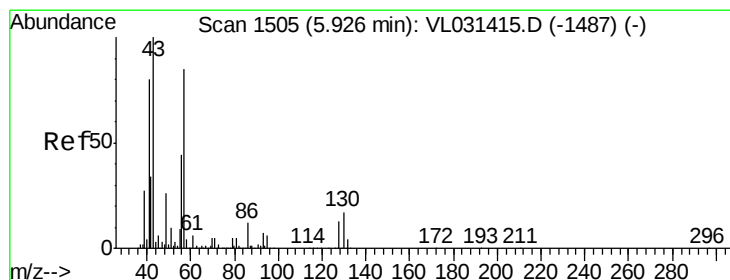
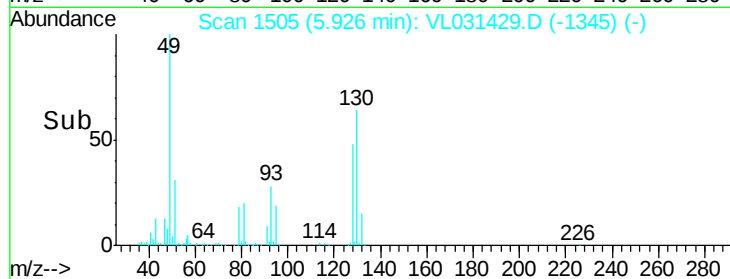
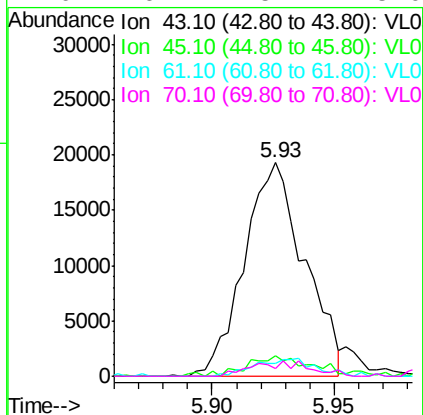
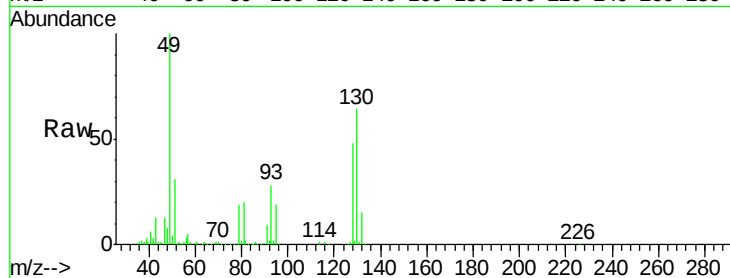
Ion 100.00 (99.70 to 100.70): VL0





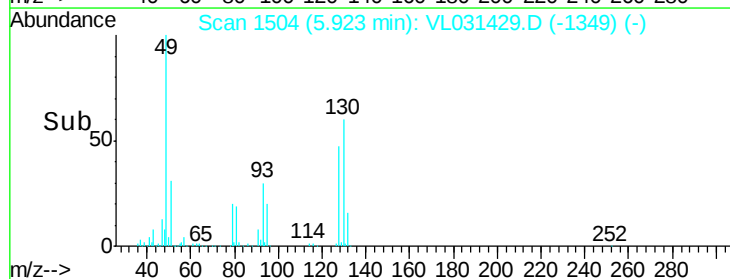
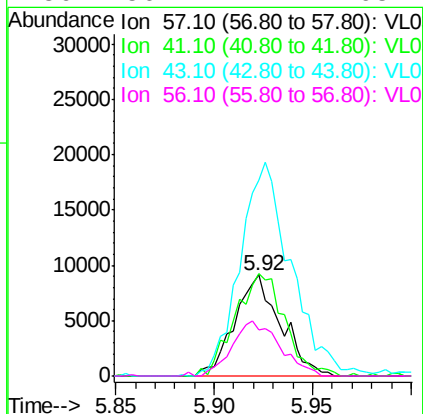
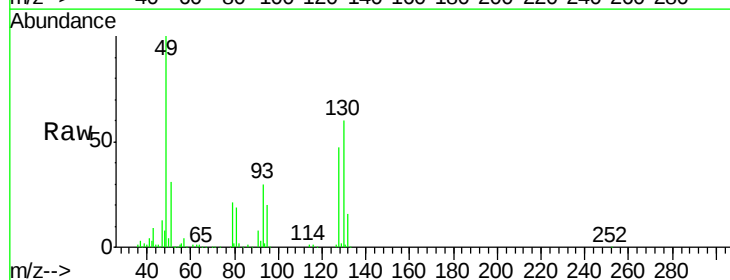
#25
Ethyl Acetate
Concen: 0.12 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.01 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

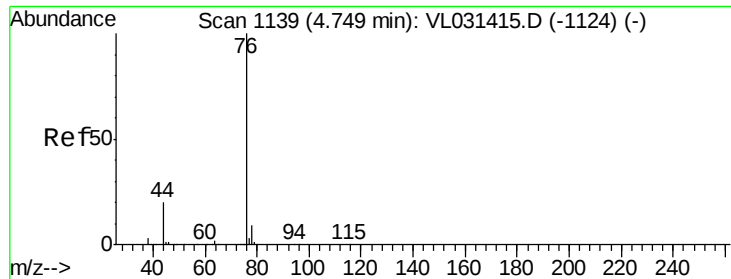
Tot Ion:	43	Resp:	32953
Ion	Ratio	Lower	Upper
43	100		
45	11.7	7.8	11.6#
61	8.6	7.0	10.6
70	6.7	5.4	8.0



#26
Hexane
Concen: 0.12 ppbv m
RT: 5.92 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tgt Ion:	57	Resp:	14775
Ion	Ratio	Lower	Upper
57	100		
41	110.2	77.1	115.7
43	236.7	180.7	271.1
56	56.7	42.2	63.2





#27

Carbon Disulfide

Concen: 0.11 ppbv

RT: 4.76 min Scan# 1142

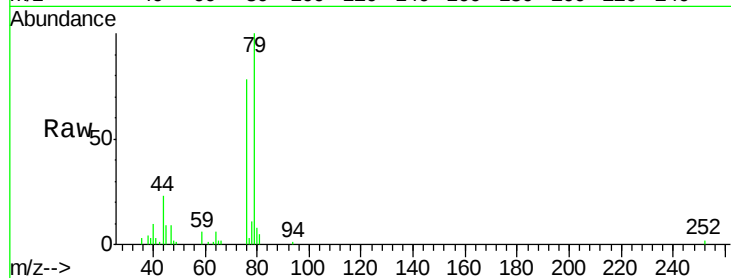
Delta R.T. 0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

Tot Ion: 76 Resp: 18502

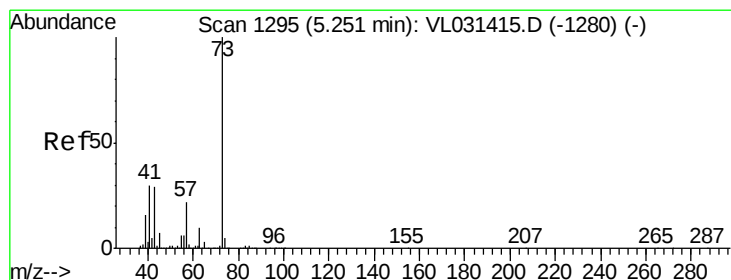
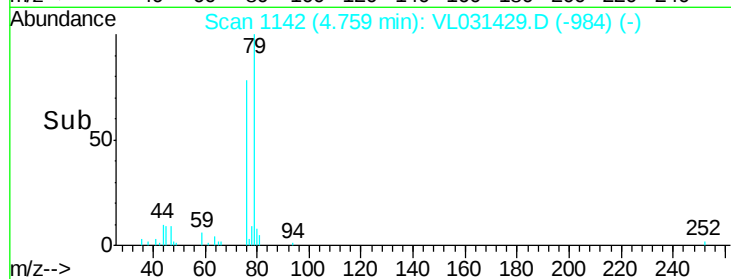
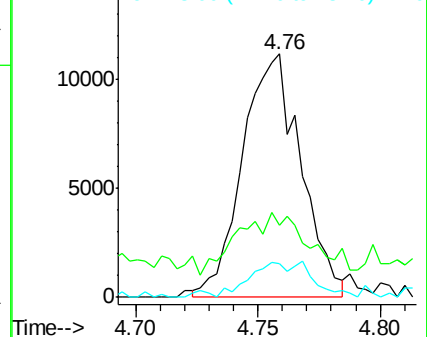
Ion	Ratio	Lower	Upper
76	100		
44	31.1	16.7	25.1#
78	17.4	7.5	11.3#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.11 ppbv m

RT: 5.27 min Scan# 1302

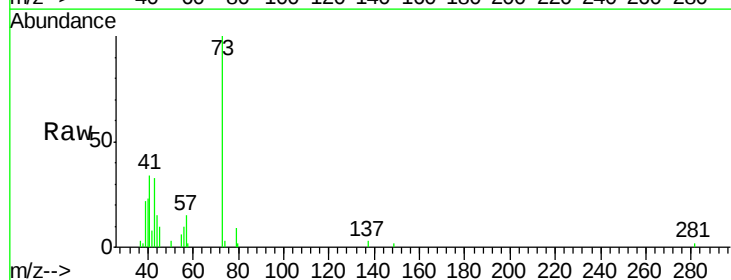
Delta R.T. 0.02 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

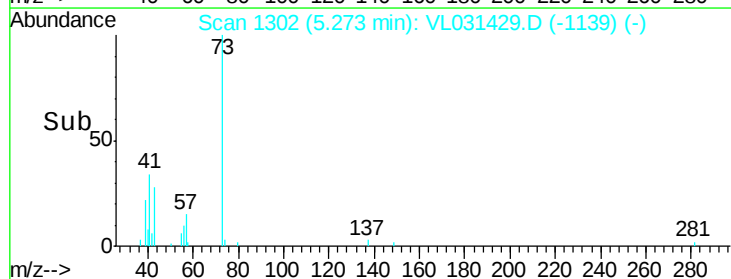
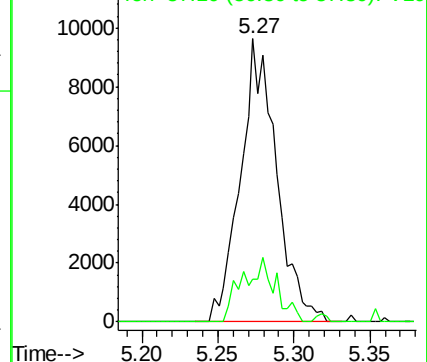
Tgt Ion: 73 Resp: 15858

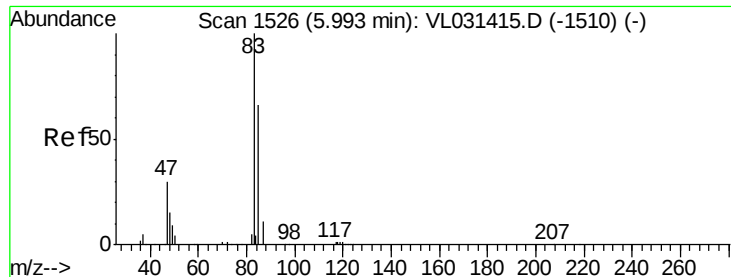
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.5	26.3



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.12 ppbv

RT: 5.99 min Scan# 1525

Delta R.T. -0.01 min

Lab File: VL031429.D

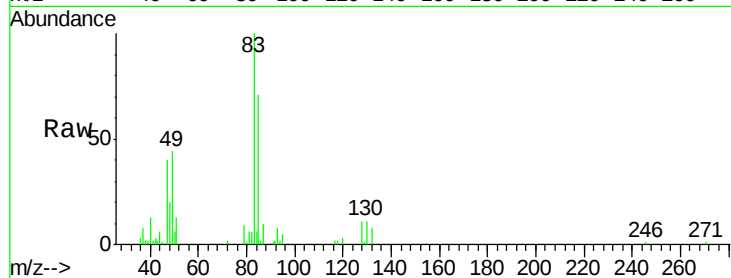
Acq: 22 Jan 2018 23:39

Tot Ion: 83 Resp: 26505

Ion Ratio Lower Upper

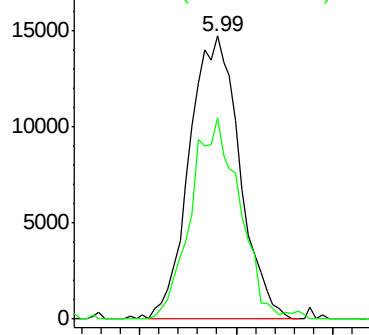
83 100

85 71.1 51.3 76.9

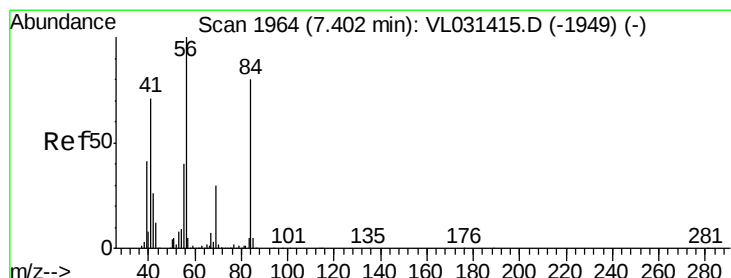
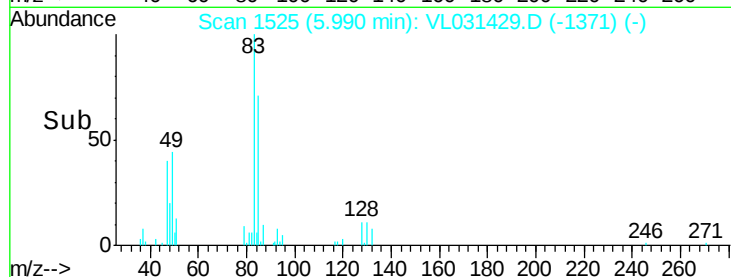


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



Time-->



#30

Cyclohexane

Concen: 0.17 ppbv m

RT: 7.42 min Scan# 1971

Delta R.T. 0.02 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

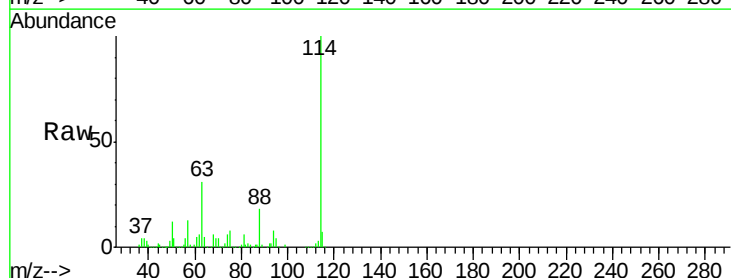
Tgt Ion: 84 Resp: 16140

Ion Ratio Lower Upper

84 100

56 0.0 109.0 163.4#

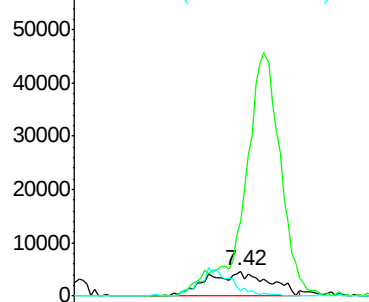
41 60.3 73.3 109.9#



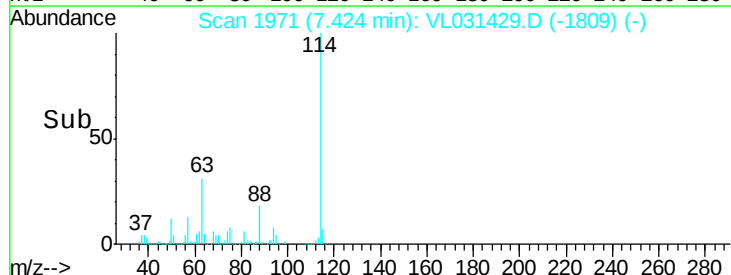
Abundance Ion 84.20 (83.90 to 84.90): VL0

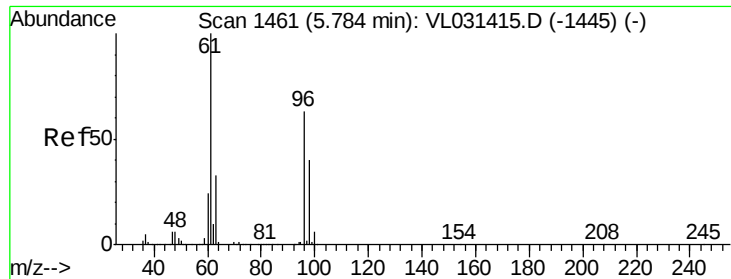
Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



Time-->





#31

cis-1,2-Dichloroethene

Concen: 0.11 ppbv

RT: 5.78 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

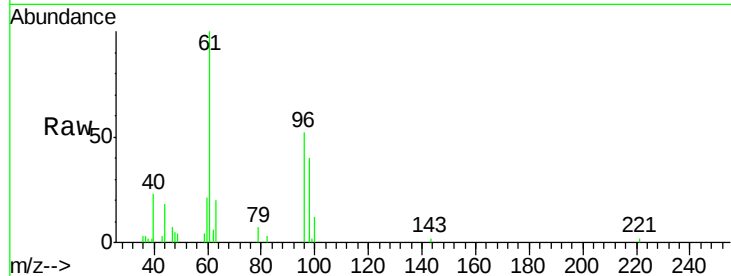
Tot Ion: 61 Resp: 13274

Ion Ratio Lower Upper

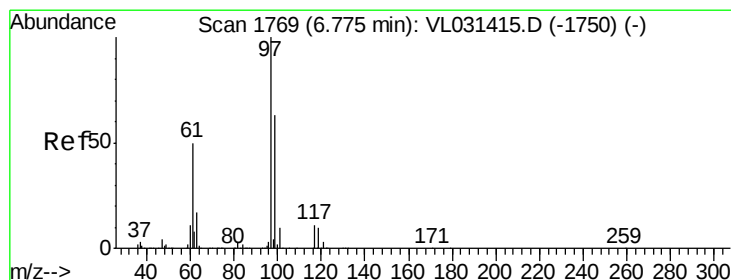
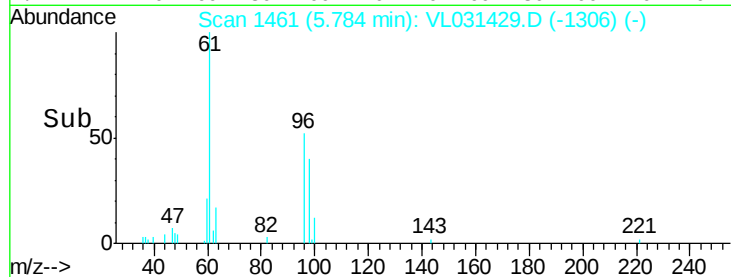
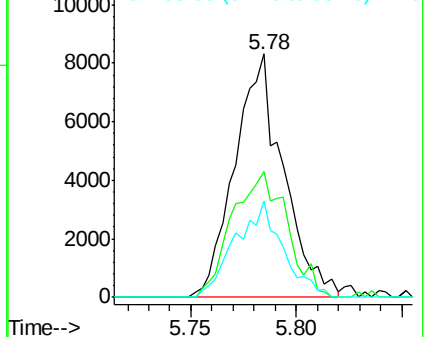
61 100

96 51.8 51.3 76.9

98 39.7 33.6 50.4



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: 0.13 ppbv m

RT: 6.77 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

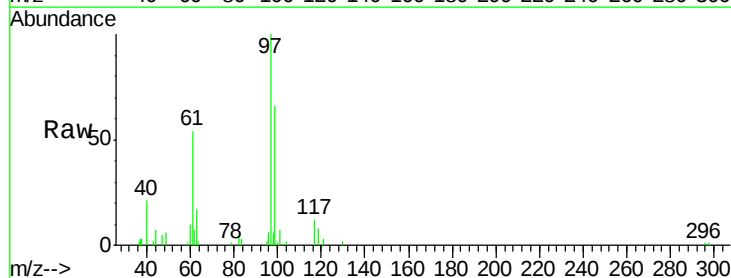
Tgt Ion: 97 Resp: 26597

Ion Ratio Lower Upper

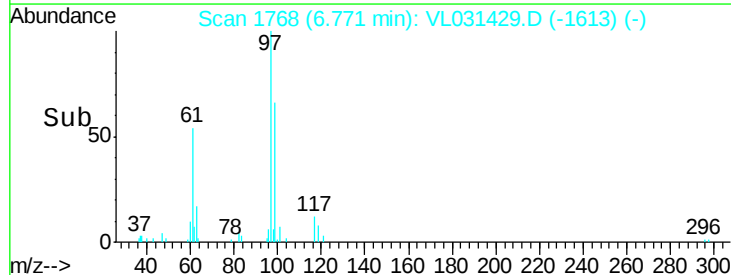
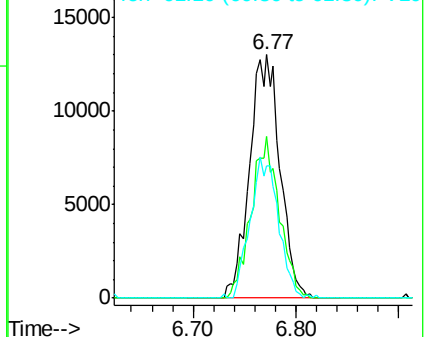
97 100

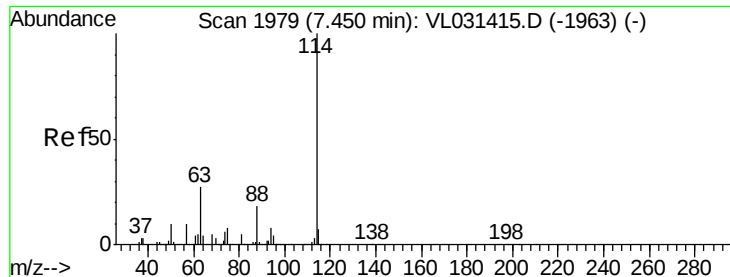
99 0.0 51.9 77.9#

61 53.8 40.6 61.0



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: 10.00 ppbv

RT: 7.44 min Scan# 1977

Delta R.T. -0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

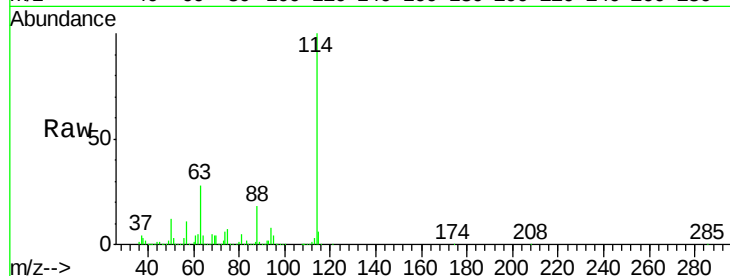
Tot Ion:114 Resp: 2699585

Ion Ratio Lower Upper

114 100

63 28.1 22.5 33.7

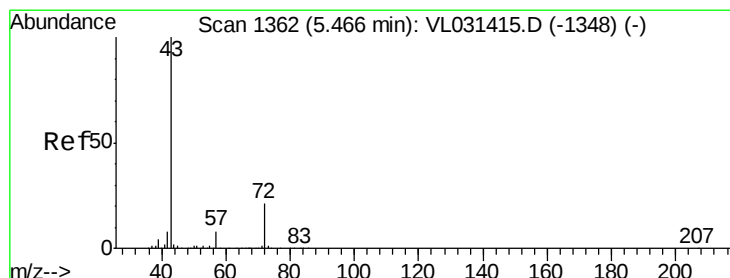
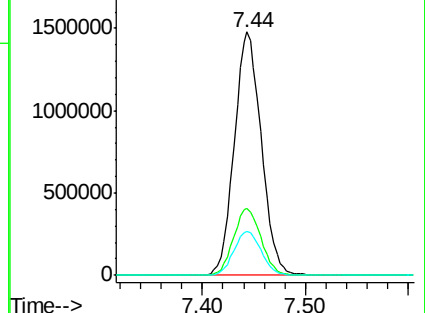
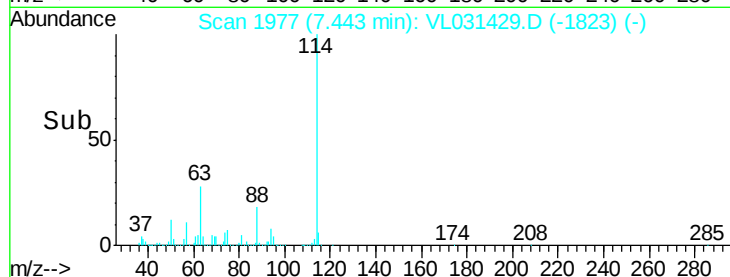
88 18.5 14.6 22.0



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: 0.12 ppbv

RT: 5.49 min Scan# 1370

Delta R.T. 0.02 min

Lab File: VL031429.D

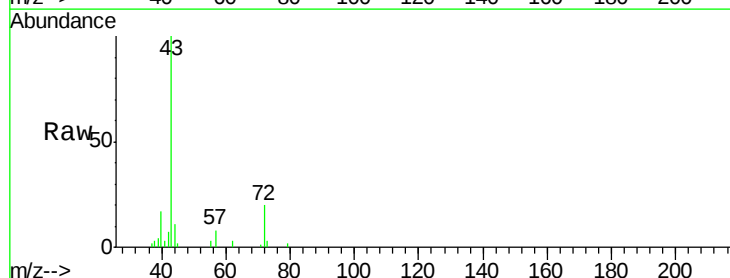
Acq: 22 Jan 2018 23:39

Tgt Ion: 43 Resp: 20548

Ion Ratio Lower Upper

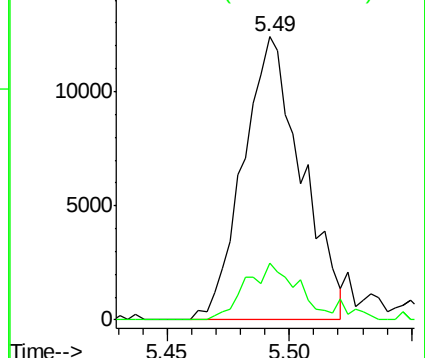
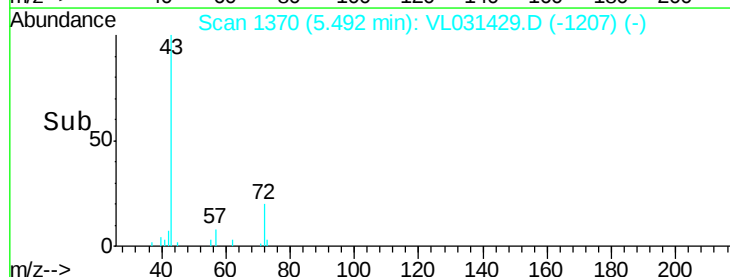
43 100

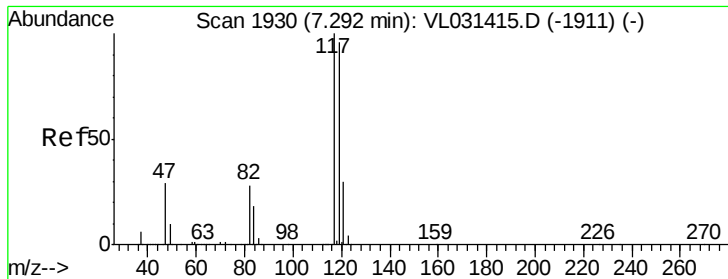
72 20.3 16.8 25.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.13 ppbv

RT: 7.29 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

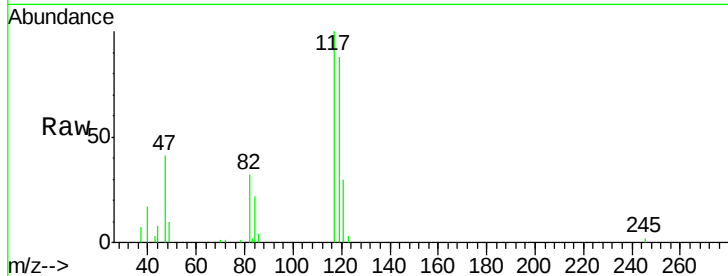
Tot Ion:117 Resp: 28821

Ion Ratio Lower Upper

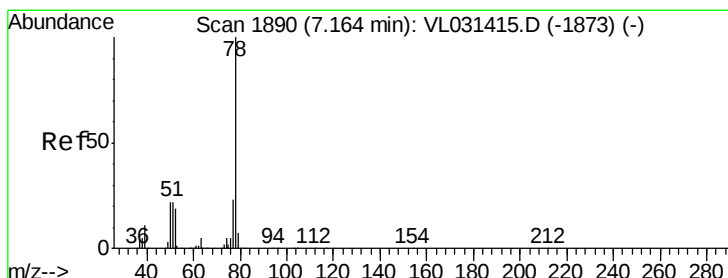
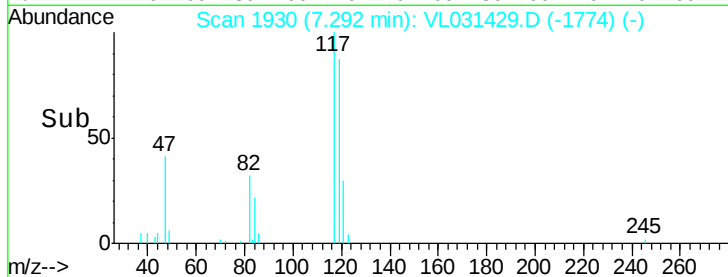
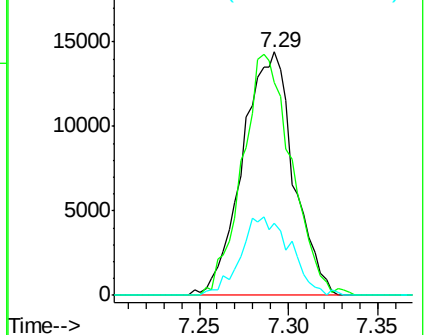
117 100

119 87.7 74.2 111.4

121 29.5 24.2 36.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.11 ppbv m

RT: 7.16 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

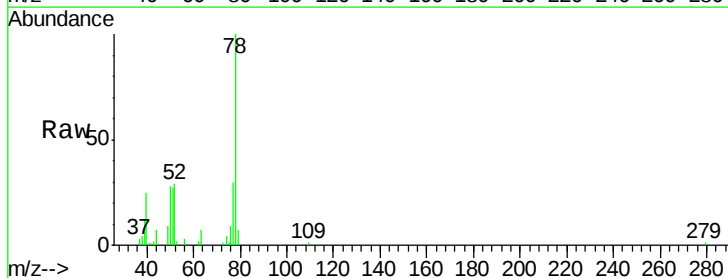
Tgt Ion: 78 Resp: 25796

Ion Ratio Lower Upper

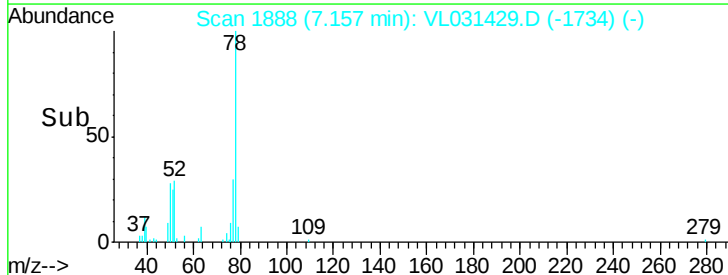
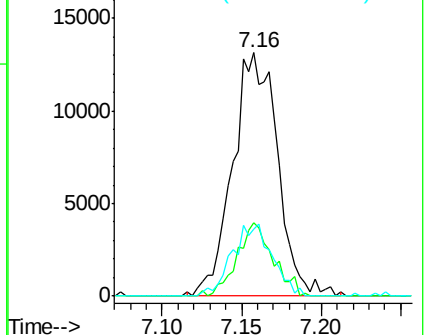
78 100

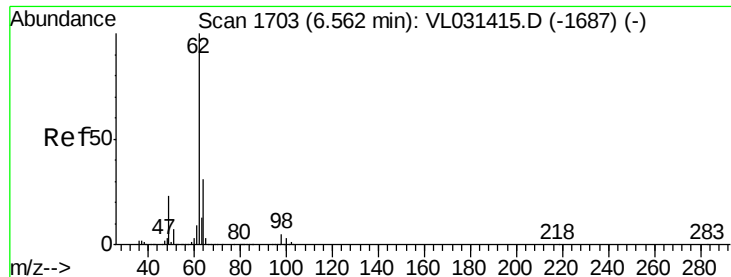
77 30.3 18.7 28.1#

50 27.7 18.4 27.6#



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: 0.12 ppbv

RT: 6.56 min Scan# 1703

Delta R.T. -0.00 min

Lab File: VL031429.D

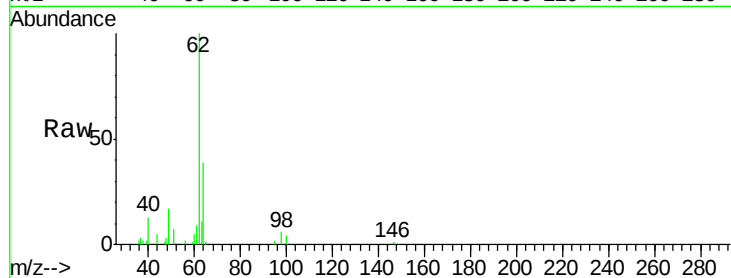
Acq: 22 Jan 2018 23:39

Tot Ion: 62 Resp: 23232

Ion Ratio Lower Upper

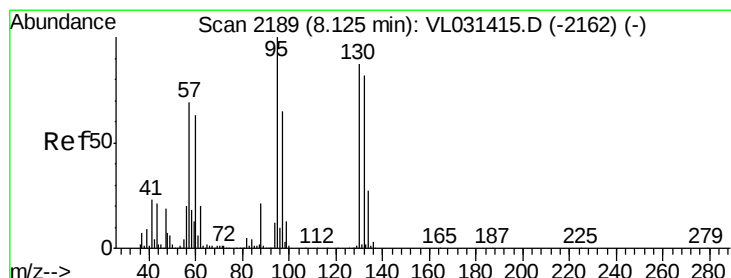
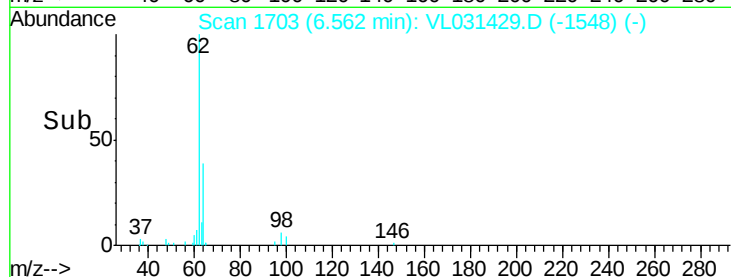
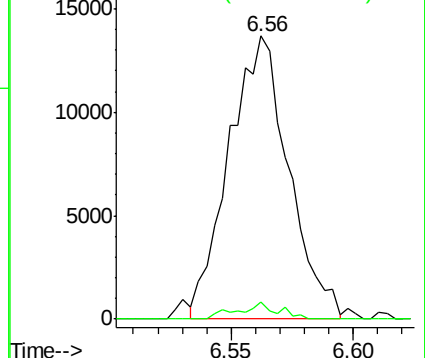
62 100

98 3.9 4.1 6.1#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.14 ppbv m

RT: 8.12 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

Tgt Ion:130 Resp: 12999

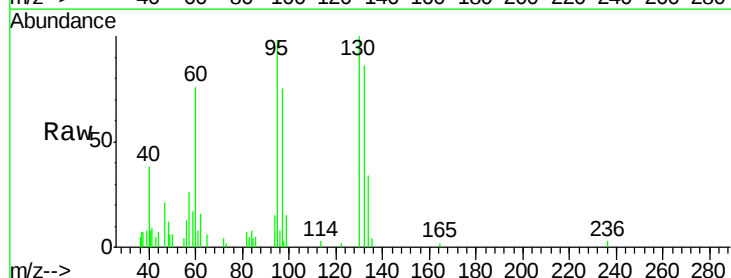
Ion Ratio Lower Upper

130 100

95 98.5 92.9 139.3

132 86.5 74.9 112.3

97 75.5 60.2 90.4

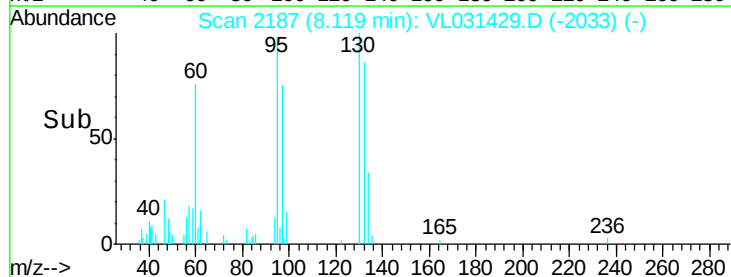
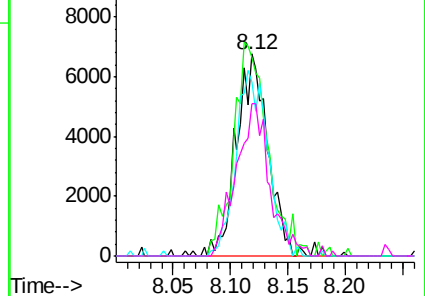


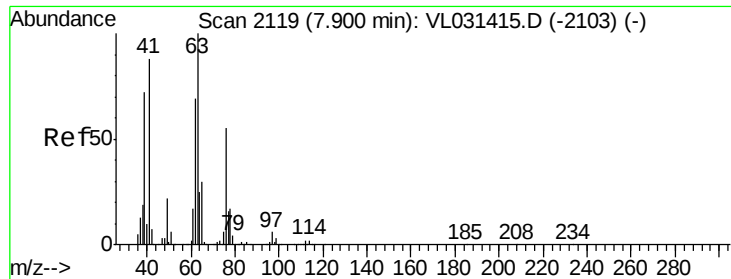
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 0.13 ppbv m

RT: 7.90 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

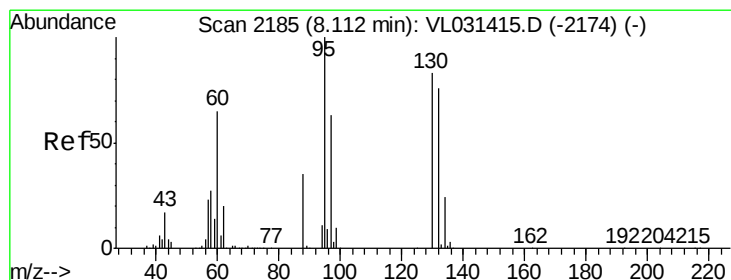
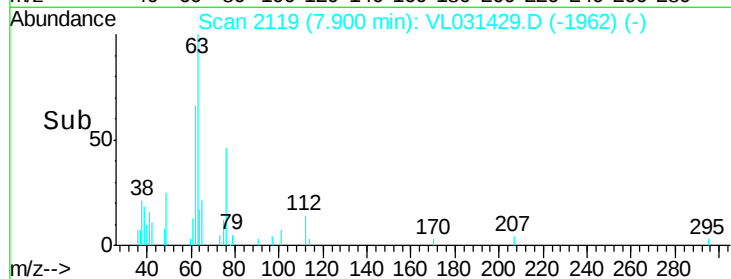
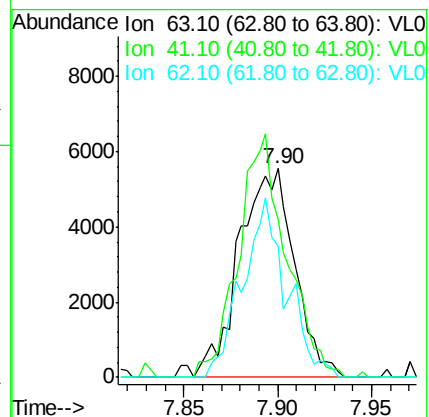
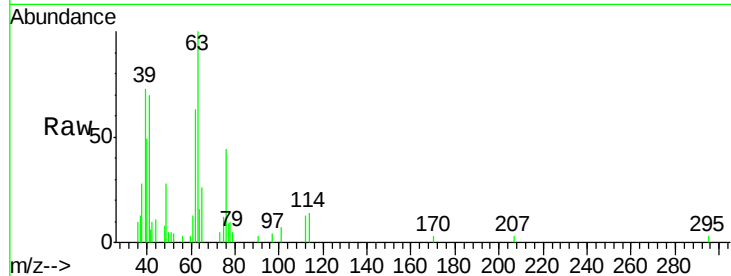
Tot Ion: 63 Resp: 11349

Ion Ratio Lower Upper

63 100

41 69.8 67.6 101.4

62 63.0 51.8 77.6



#40

1,4-Dioxane

Concen: 0.09 ppbv m

RT: 8.19 min Scan# 2208

Delta R.T. 0.07 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

Tgt Ion: 88 Resp: 3294

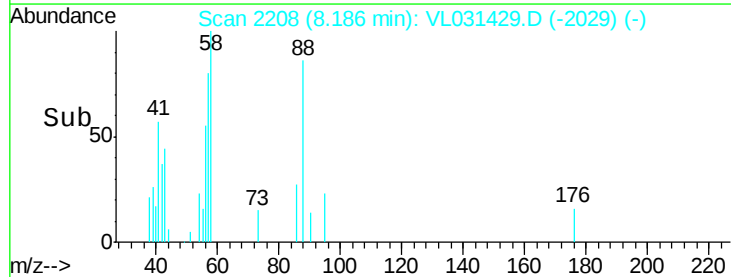
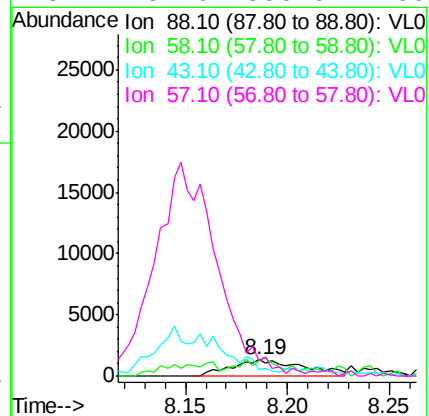
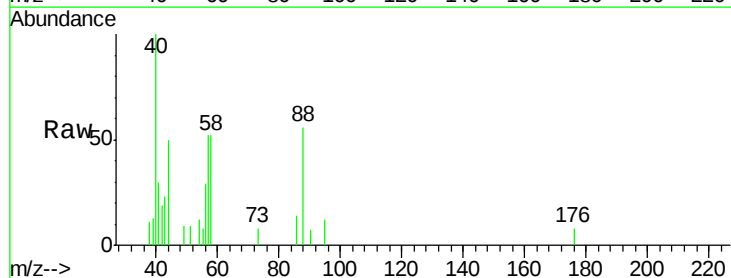
Ion Ratio Lower Upper

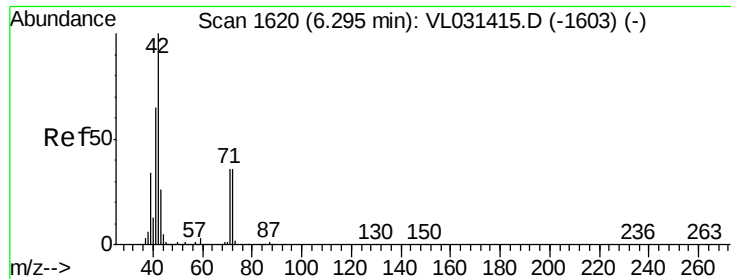
88 100

58 79.6 98.2 147.2#

43 298.7 197.3 295.9#

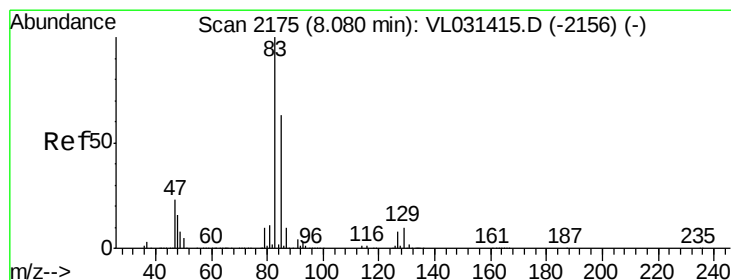
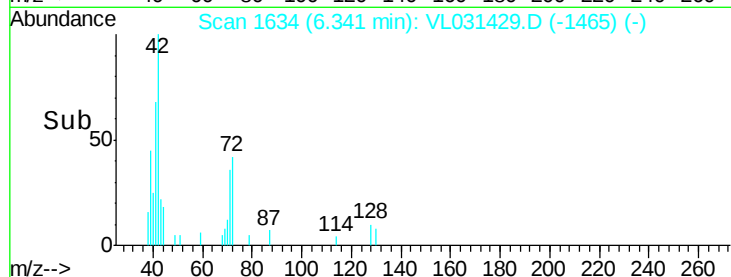
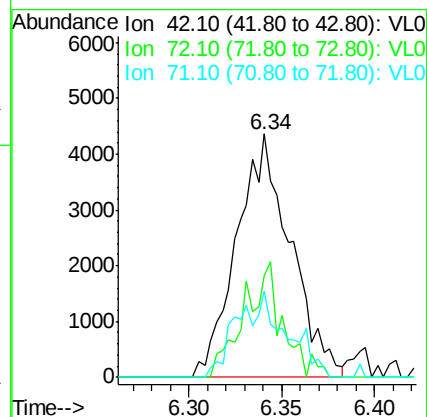
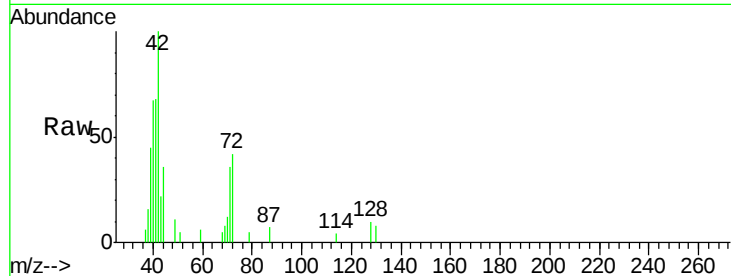
57 1151.0 806.0 1209.0





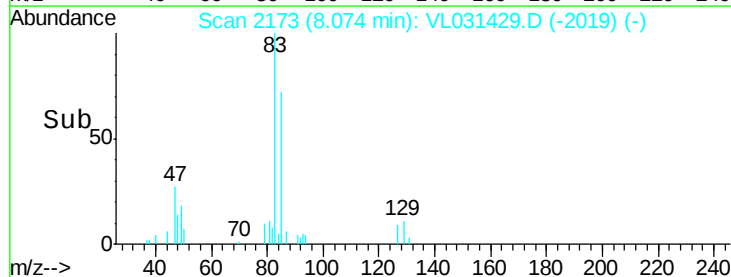
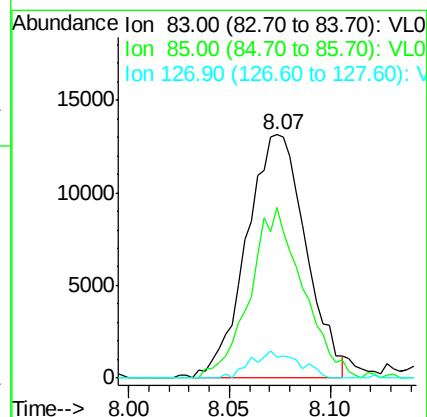
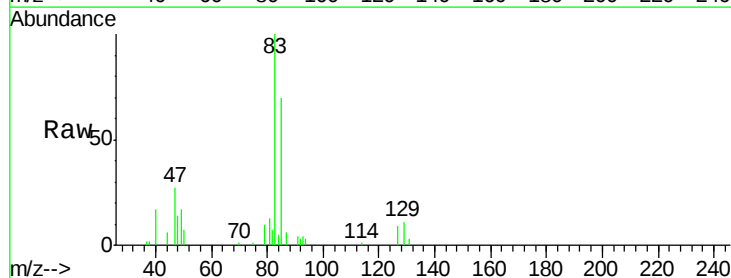
#41
Tetrahydrofuran
Concen: 0.09 ppbv
RT: 6.34 min Scan# 1634
Delta R.T. 0.04 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

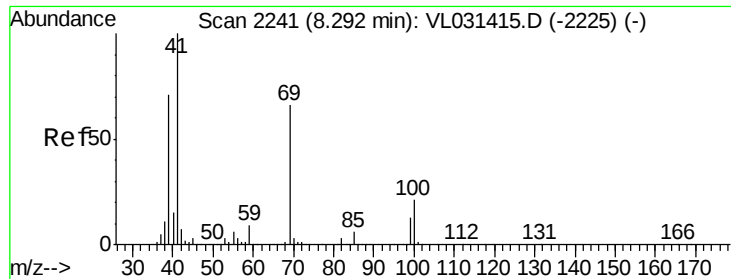
Tot Ion:	42	Resp:	8799
Ion	Ratio	Lower	Upper
42	100		
72	34.0	30.4	45.6
71	32.7	29.2	43.8



#42
Bromodichloromethane
Concen: 0.12 ppbv
RT: 8.07 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tgt Ion:	83	Resp:	26927
Ion	Ratio	Lower	Upper
83	100		
85	70.1	52.1	78.1
127	8.8	6.6	10.0





#43

Methyl Methacrylate

Concen: 0.09 ppbv

RT: 8.31 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

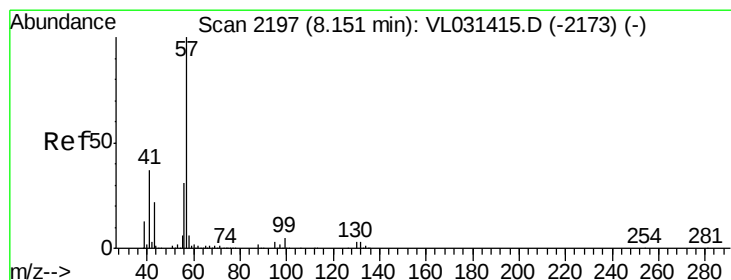
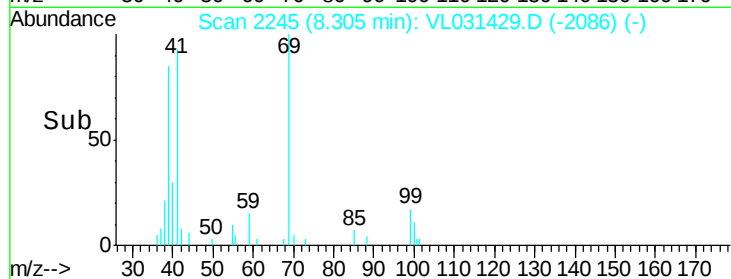
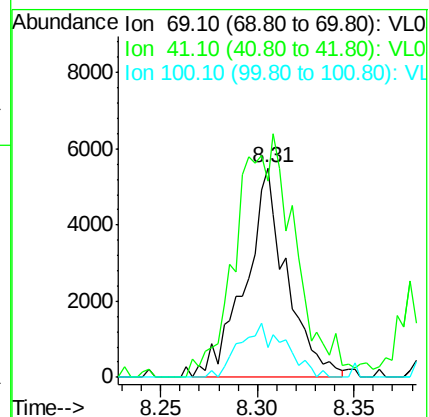
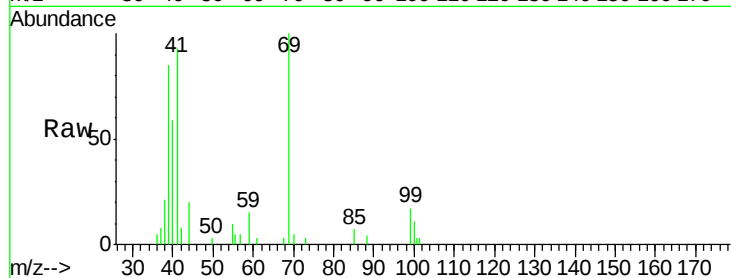
Tot Ion: 69 Resp: 8179

Ion Ratio Lower Upper

69 100

41 163.6 127.0 190.6

100 28.4 24.6 37.0



#44

2,2,4-Trimethylpentane

Concen: 0.09 ppbv m

RT: 8.15 min Scan# 2196

Delta R.T. -0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

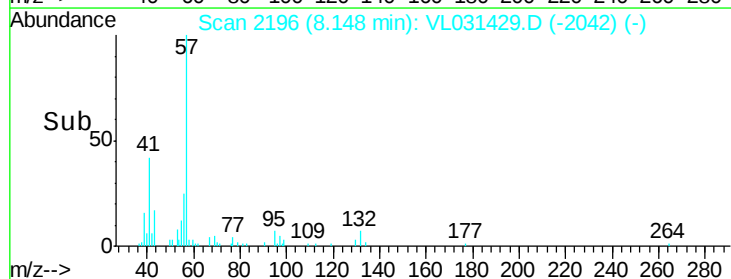
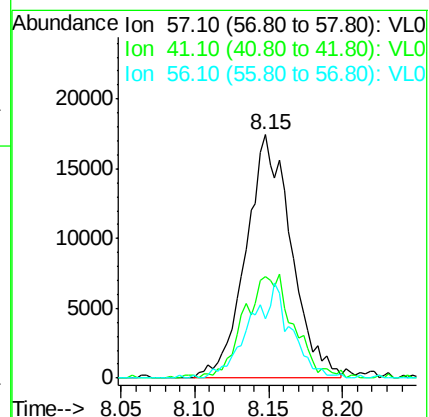
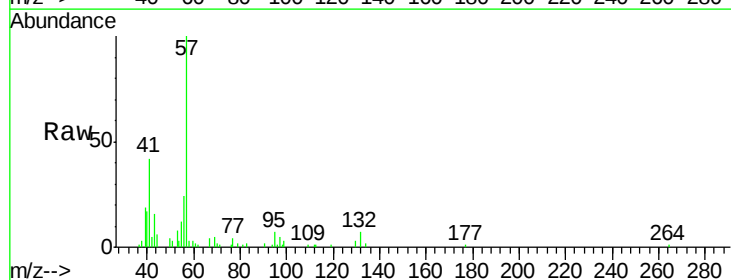
Tgt Ion: 57 Resp: 37110

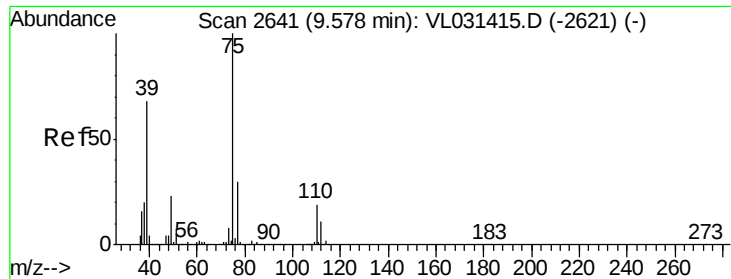
Ion Ratio Lower Upper

57 100

41 0.0 28.8 43.2#

56 0.0 24.6 37.0#





#45

t-1,3-Dichloropropene

Concen: 0.08 ppbv m

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VL031429.D

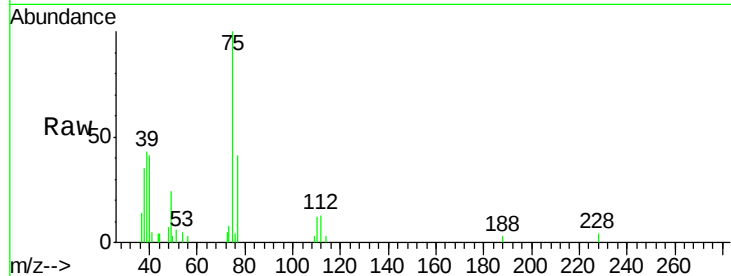
Acq: 22 Jan 2018 23:39

Tot Ion: 75 Resp: 10389

Ion Ratio Lower Upper

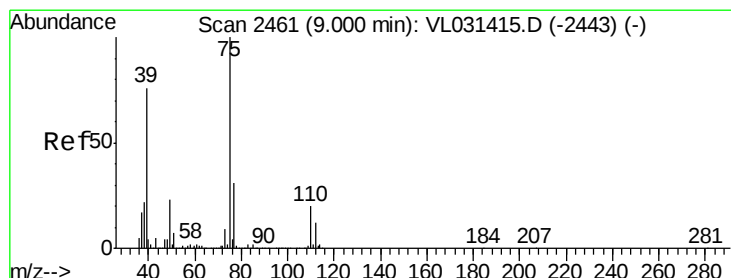
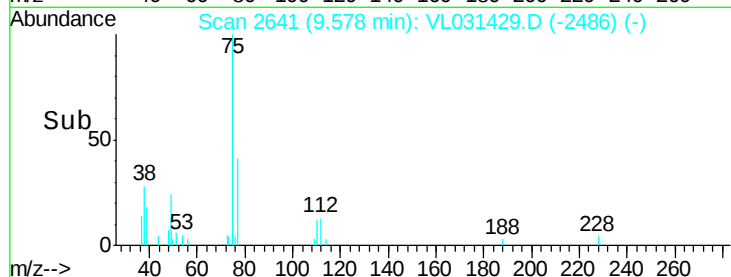
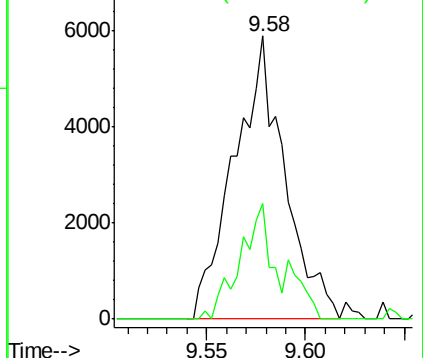
75 100

77 40.9 25.3 37.9#



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.08 ppbv

RT: 8.99 min Scan# 2459

Delta R.T. -0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

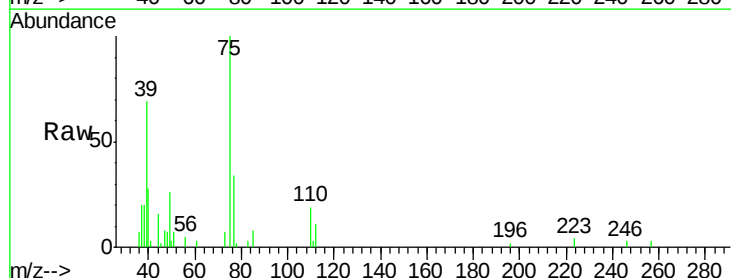
Tgt Ion: 75 Resp: 12530

Ion Ratio Lower Upper

75 100

39 63.9 59.4 89.0

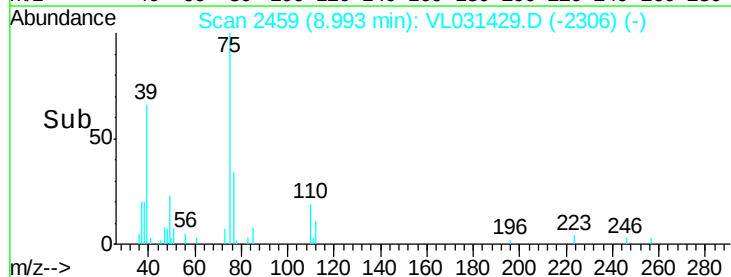
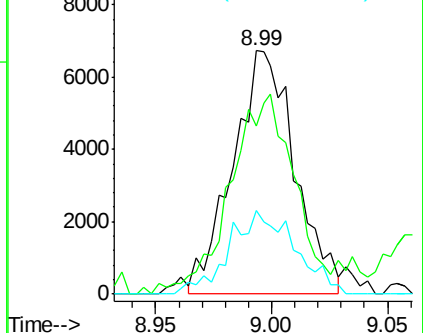
77 33.7 25.0 37.4

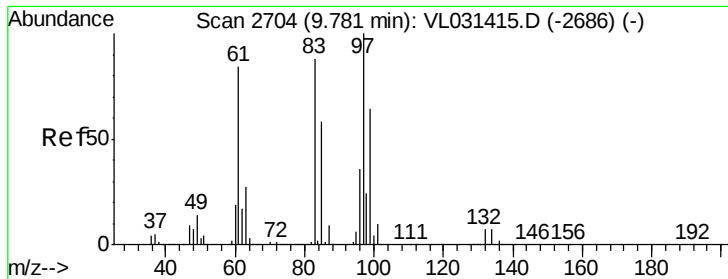


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.13 ppbv m

RT: 9.77 min Scan# 2702

Delta R.T. -0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

Tot Ion: 97 Resp: 13308

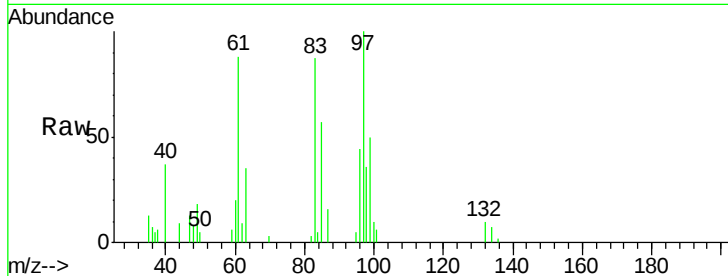
Ion Ratio Lower Upper

97 100

83 86.8 71.4 107.2

85 56.9 46.2 69.2

99 50.4 52.2 78.2#

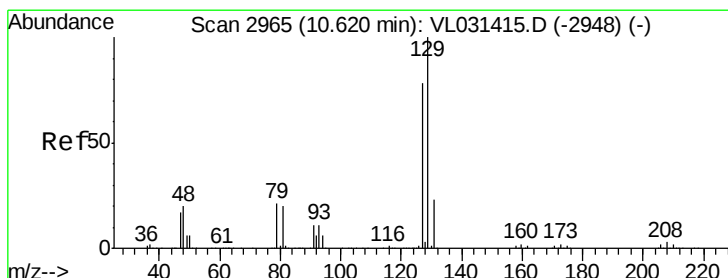
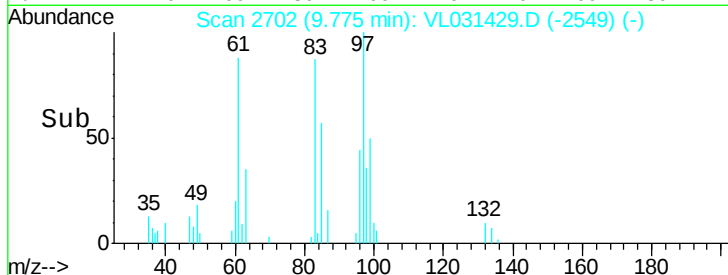
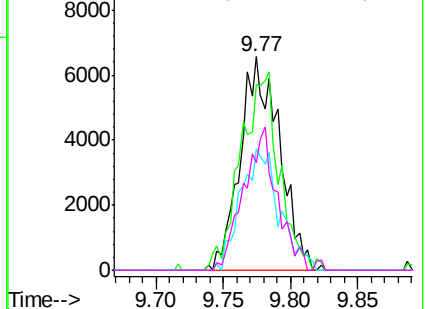


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.11 ppbv m

RT: 10.61 min Scan# 2963

Delta R.T. -0.01 min

Lab File: VL031429.D

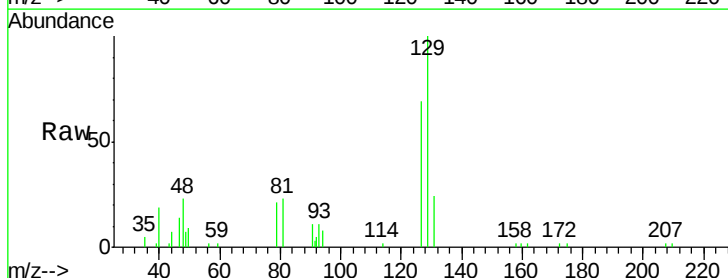
Acq: 22 Jan 2018 23:39

Tgt Ion: 129 Resp: 20747

Ion Ratio Lower Upper

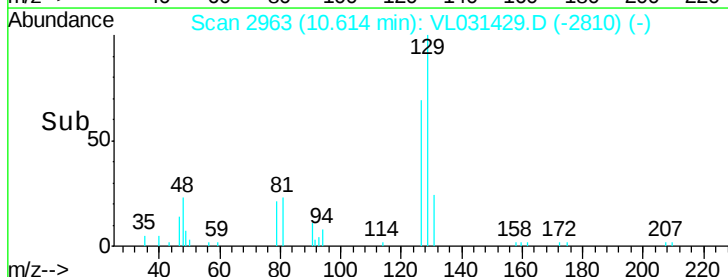
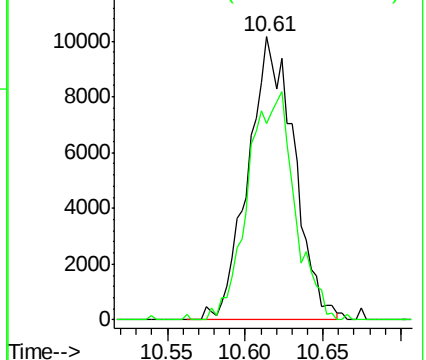
129 100

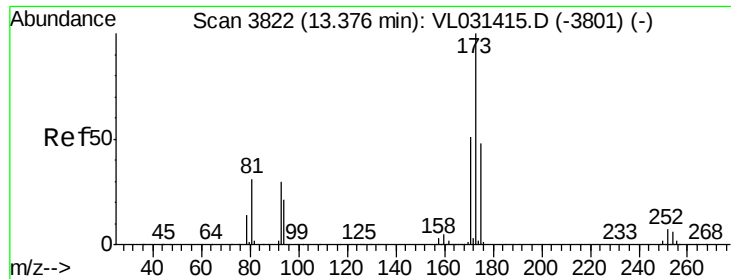
127 0.0 39.4 118.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.11 ppbv m

RT: 13.37 min Scan# 3821

Delta R.T. -0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

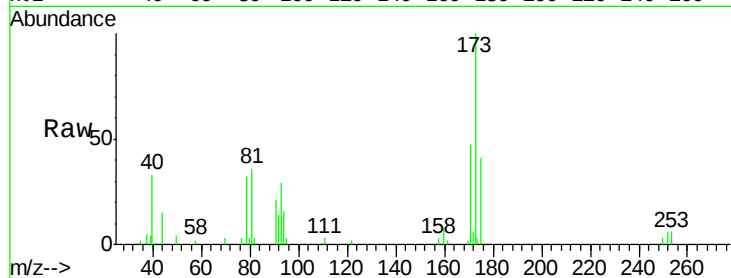
Tot Ion:173 Resp: 15206

Ion Ratio Lower Upper

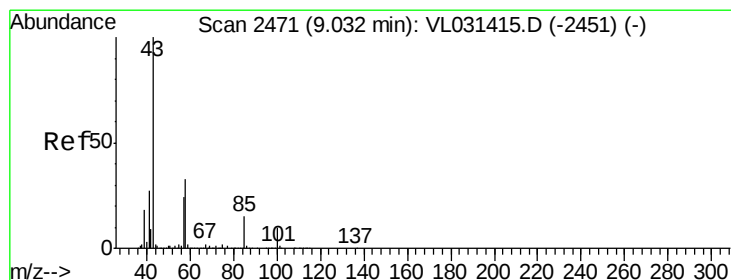
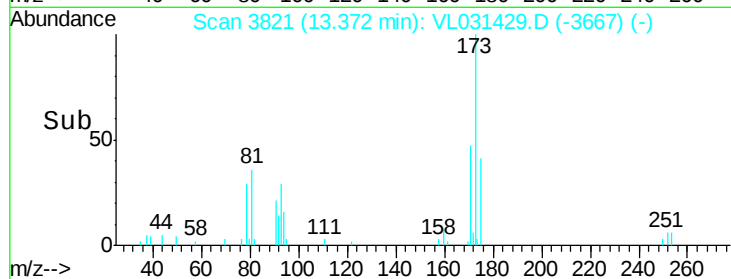
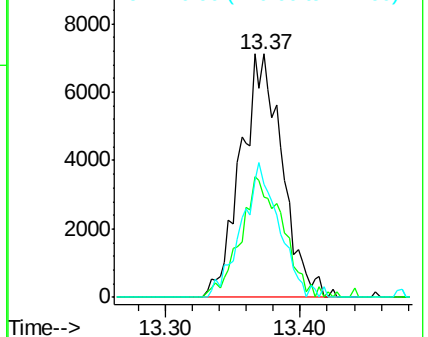
173 100

175 50.9 39.0 58.4

171 0.0 42.0 63.0#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.09 ppbv m

RT: 9.07 min Scan# 2482

Delta R.T. 0.04 min

Lab File: VL031429.D

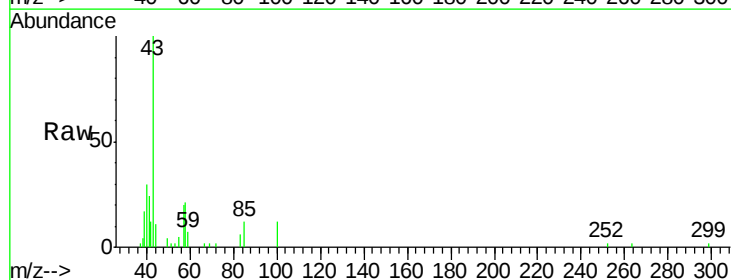
Acq: 22 Jan 2018 23:39

Tgt Ion: 43 Resp: 19576

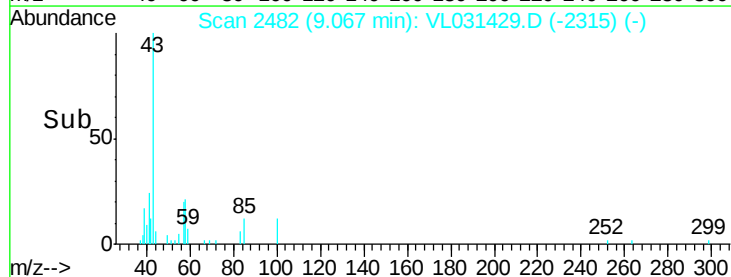
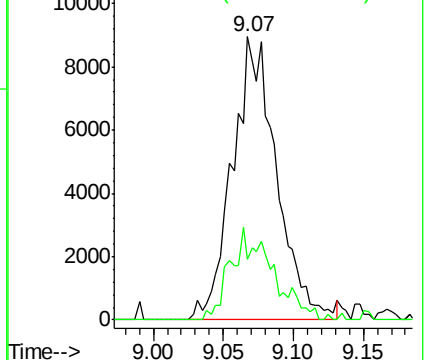
Ion Ratio Lower Upper

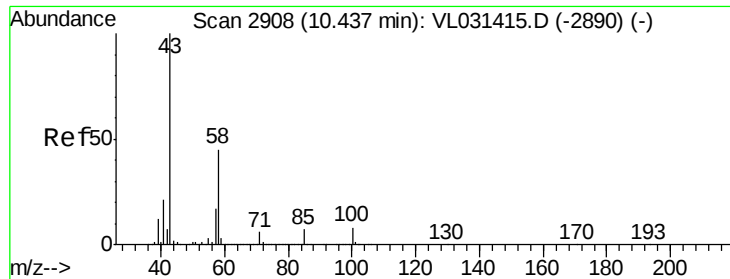
43 100

58 0.0 27.1 40.7#



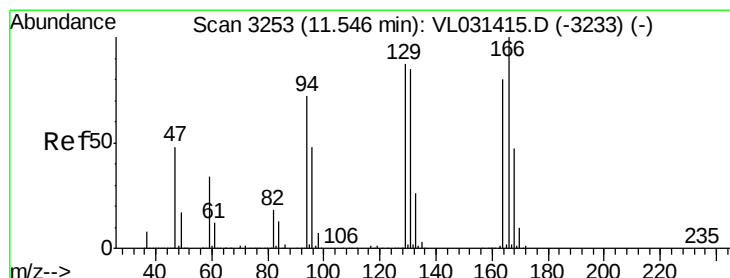
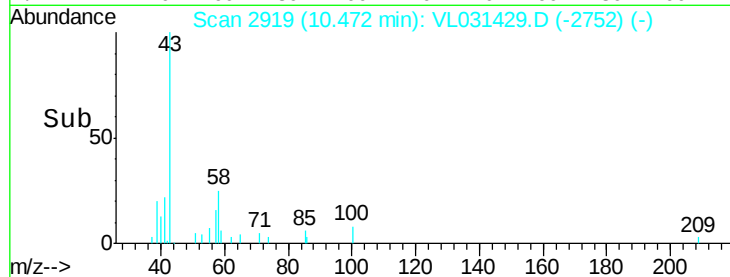
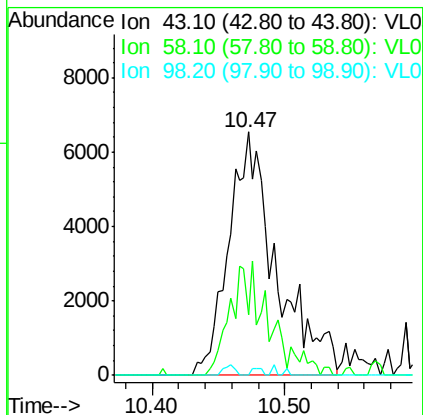
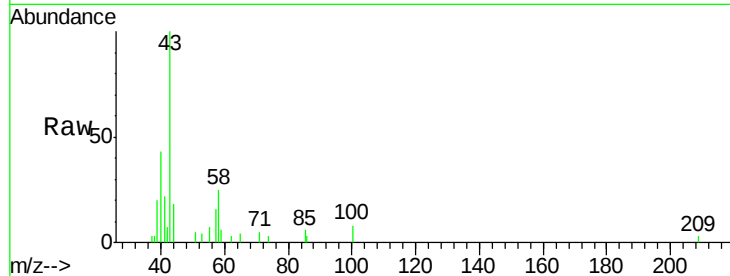
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





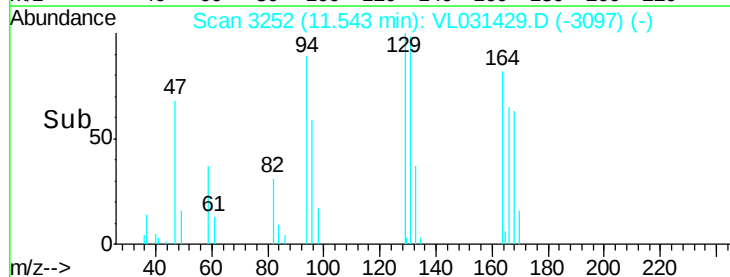
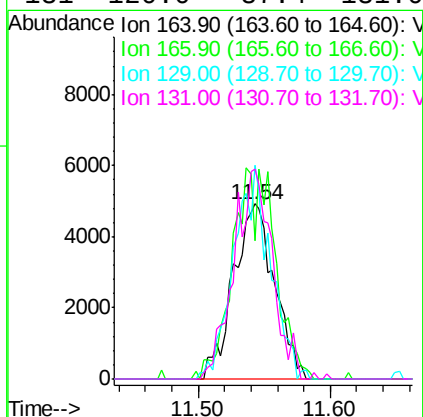
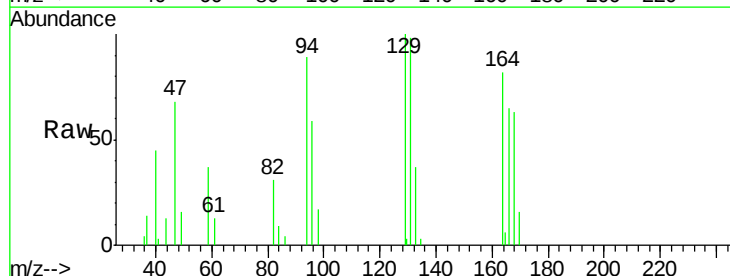
#51
2-Hexanone
Concen: 0.07 ppbv m
RT: 10.47 min Scan# 2919
Delta R.T. 0.04 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

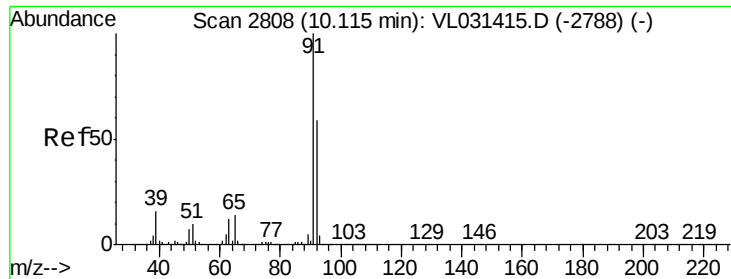
Tot Ion: 43 Resp: 16258
Ion Ratio Lower Upper
43 100
58 0.0 36.2 54.4#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.12 ppbv m
RT: 11.54 min Scan# 3252
Delta R.T. -0.00 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tgt Ion: 164 Resp: 10576
Ion Ratio Lower Upper
164 100
166 79.1 100.2 150.2#
129 122.1 91.4 137.0
131 120.0 87.4 131.0





#53

Toluene

Concen: 0.08 ppbv m

RT: 10.11 min Scan# 2805

Delta R.T. -0.01 min

Lab File: VL031429.D

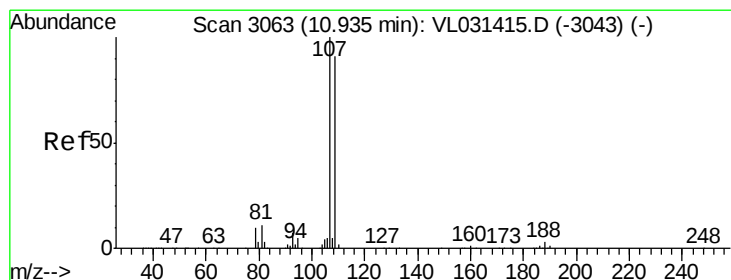
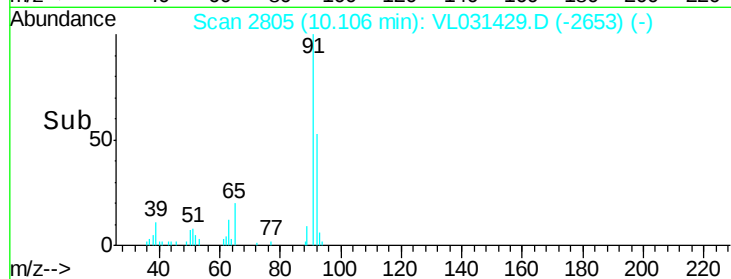
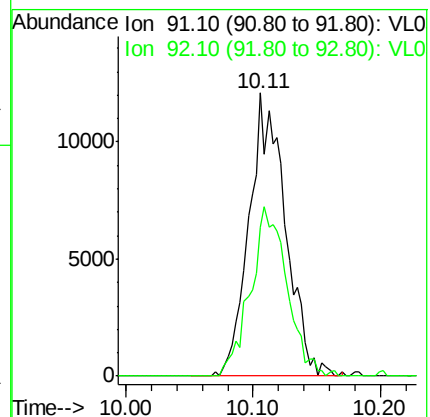
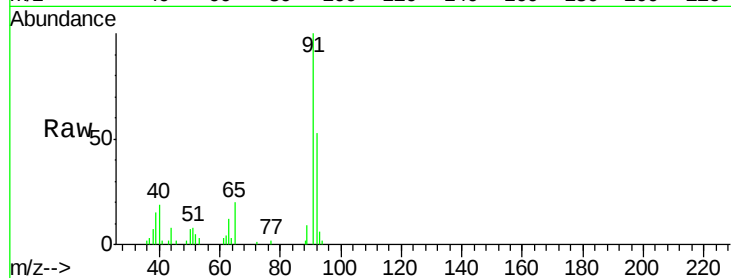
Acq: 22 Jan 2018 23:39

Tot Ion: 91 Resp: 23898

Ion Ratio Lower Upper

91 100

92 60.2 47.8 71.6



#54

1,2-Dibromoethane

Concen: 0.11 ppbv m

RT: 10.93 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VL031429.D

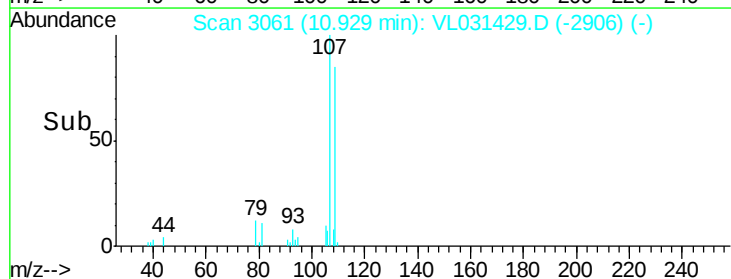
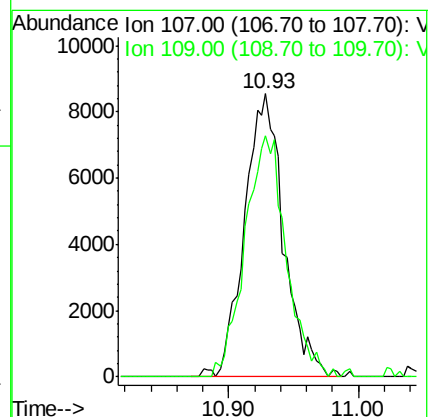
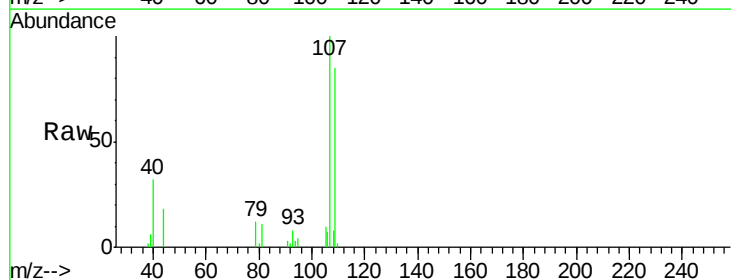
Acq: 22 Jan 2018 23:39

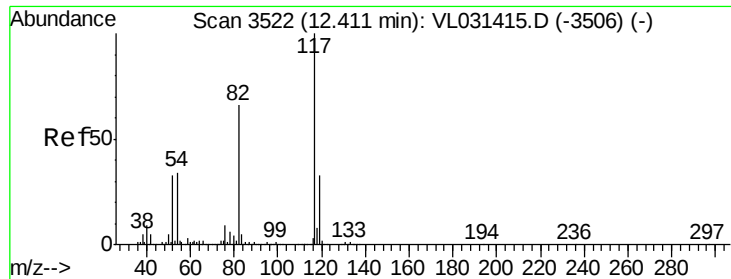
Tgt Ion: 107 Resp: 17873

Ion Ratio Lower Upper

107 100

109 85.0 75.5 113.3

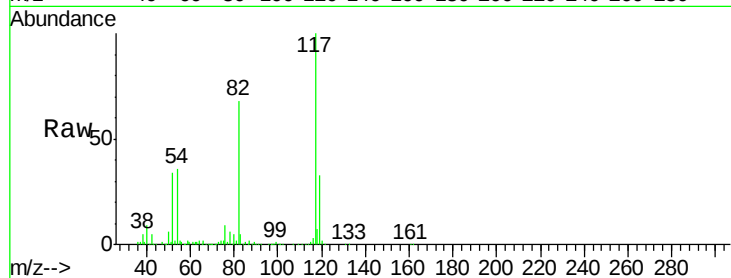




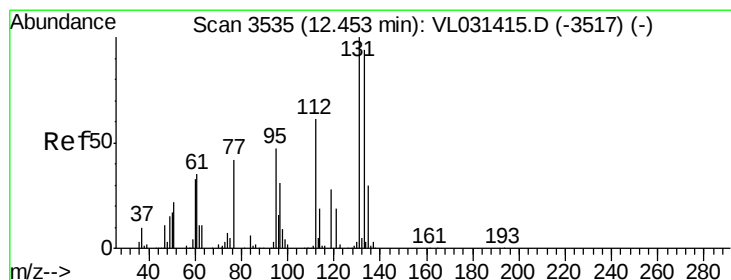
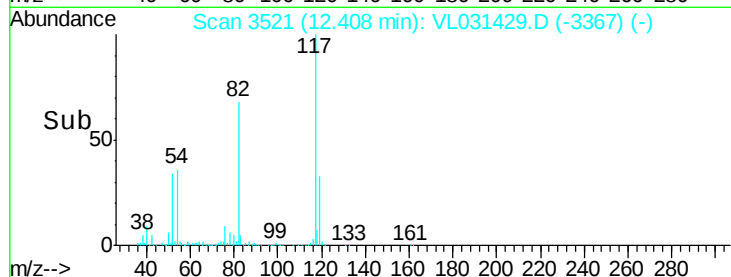
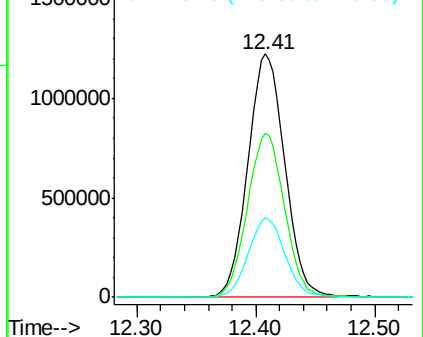
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. -0.01 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tot Ion:117 Resp: 2628977

Ion	Ratio	Lower	Upper
117	100		
82	68.1	51.8	77.6
119	32.6	24.2	36.2



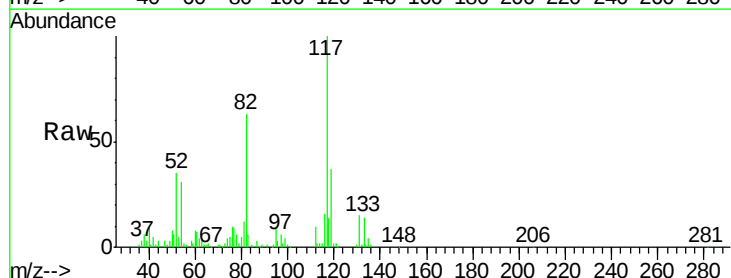
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



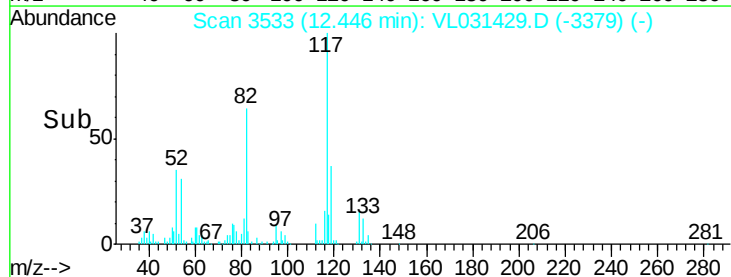
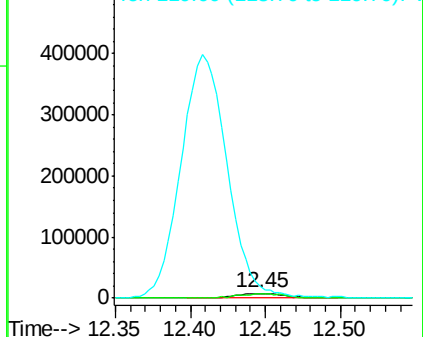
#56
1,1,1,2-Tetrachloroethane
Concen: 0.14 ppbv m
RT: 12.45 min Scan# 3533
Delta R.T. -0.01 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

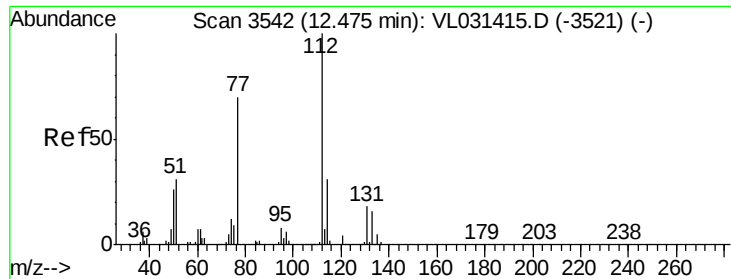
Tgt Ion:131 Resp: 17031

Ion	Ratio	Lower	Upper
131	100		
133	98.4	76.9	115.3
119	0.0	47.7	71.5#



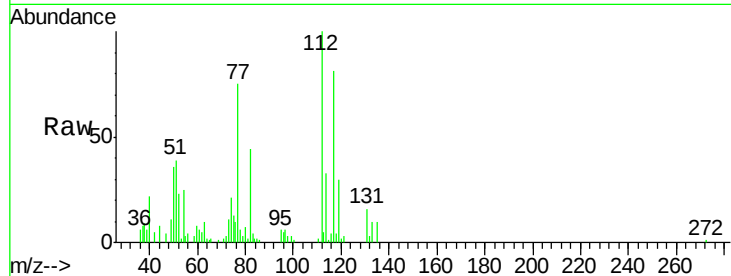
Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



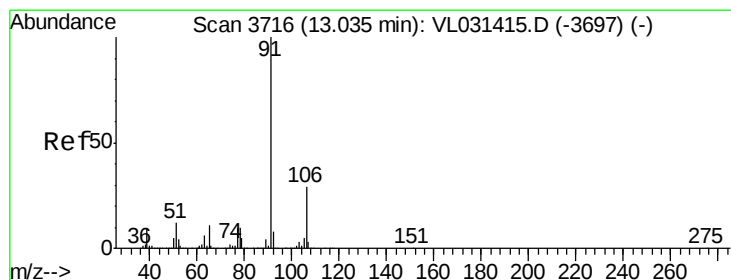
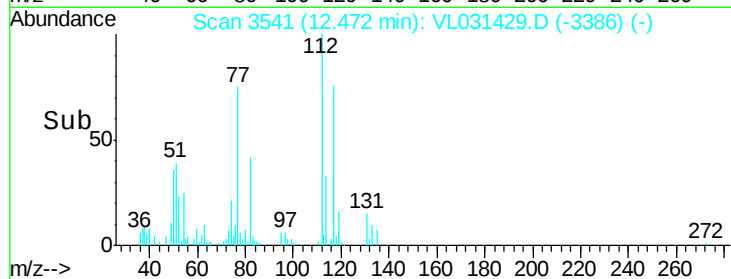
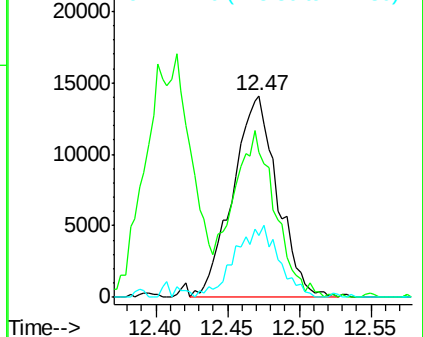


#57
Chlorobenzene
Concen: 0.13 ppbv m
RT: 12.47 min Scan# 3541
Delta R.T. -0.00 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tot Ion: 112 Resp: 30459
Ion Ratio Lower Upper
112 100
77 75.4 56.0 84.0
114 32.5 29.1 35.5

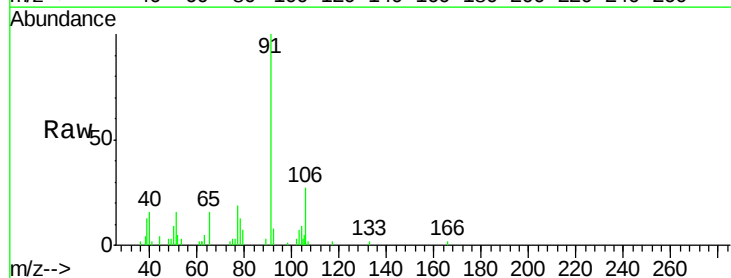


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

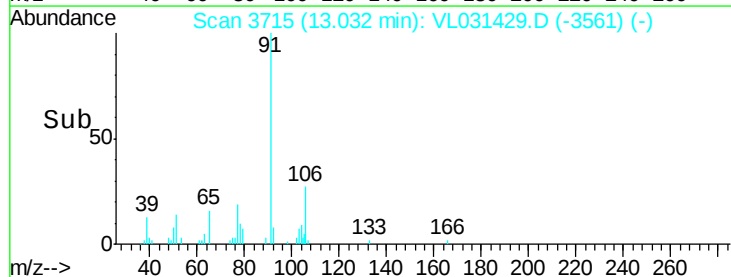
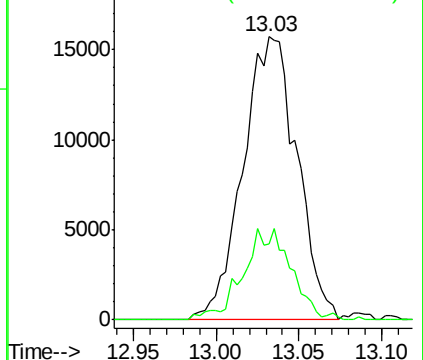


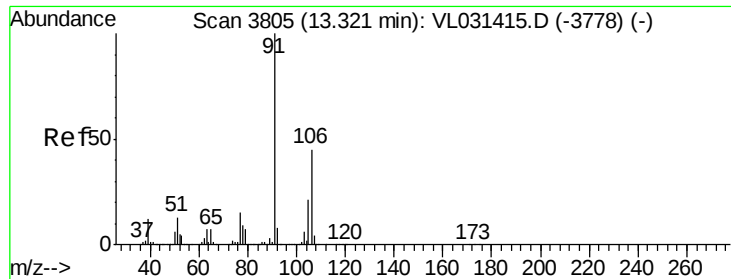
#58
Ethyl Benzene
Concen: 0.09 ppbv
RT: 13.03 min Scan# 3715
Delta R.T. -0.01 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tgt Ion: 91 Resp: 35707
Ion Ratio Lower Upper
91 100
106 26.7 23.8 35.6



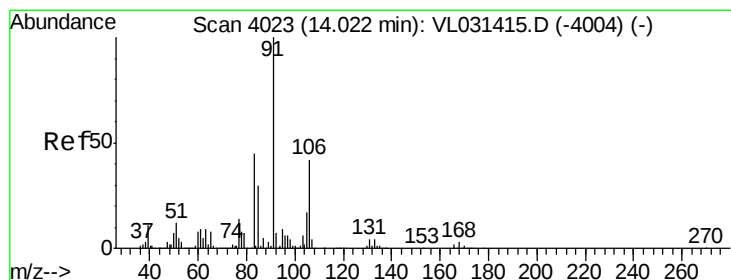
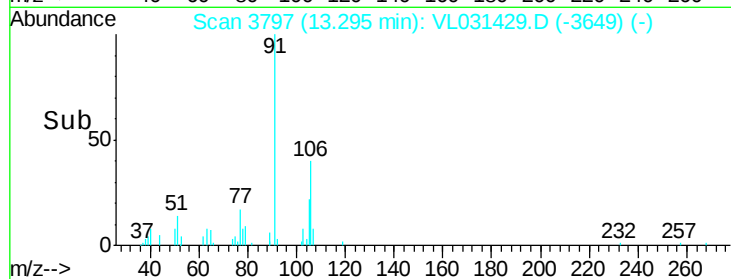
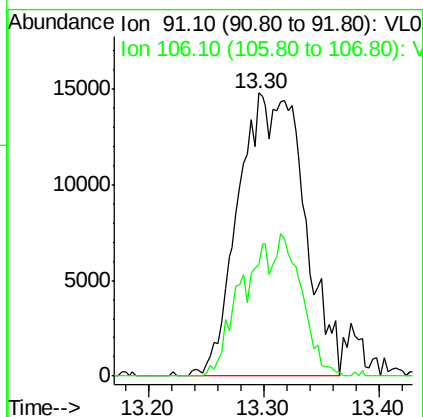
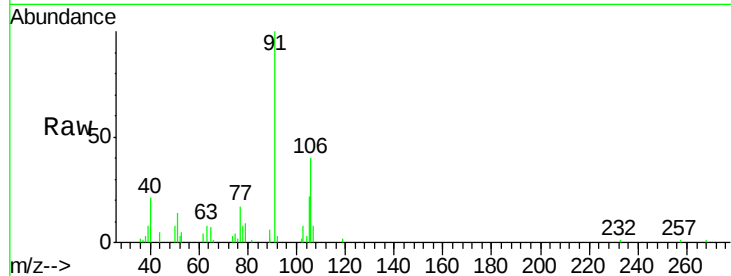
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





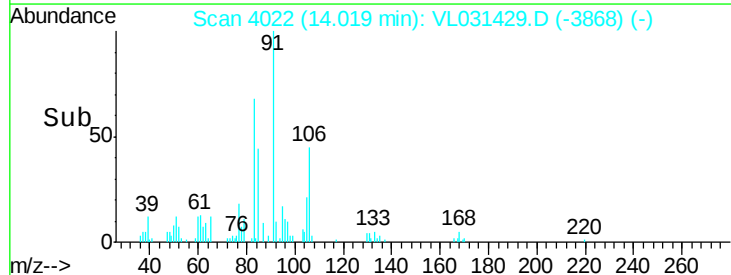
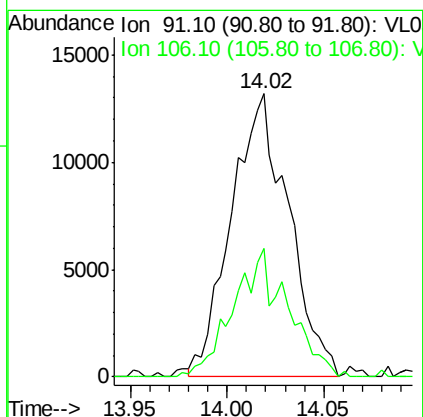
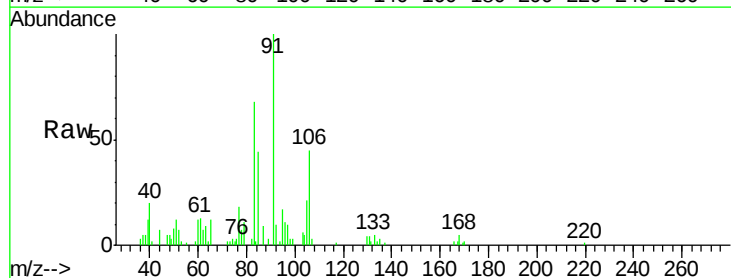
#59
m/p-Xylene
Concen: 0.18 ppbv m
RT: 13.30 min Scan# 3797
Delta R.T. -0.03 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

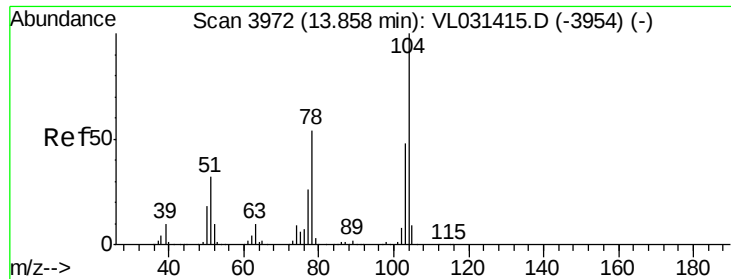
Tot Ion: 91 Resp: 58657
Ion Ratio Lower Upper
91 100
106 43.5 35.6 53.4



#60
o-Xylene
Concen: 0.08 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

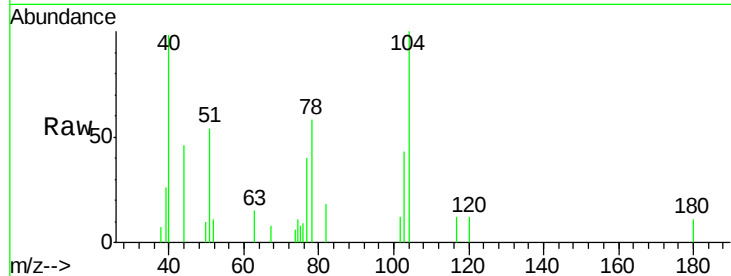
Tgt Ion: 91 Resp: 27276
Ion Ratio Lower Upper
91 100
106 43.1 21.3 64.0



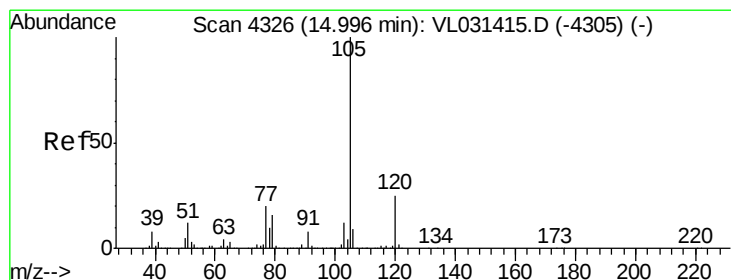
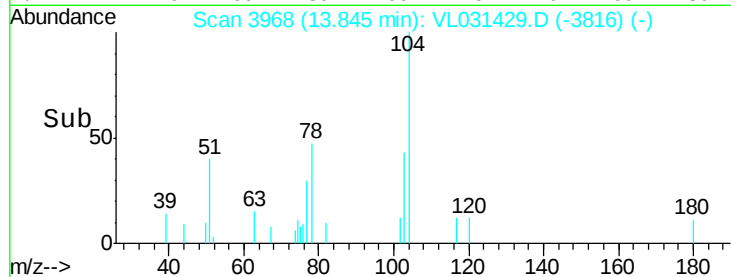
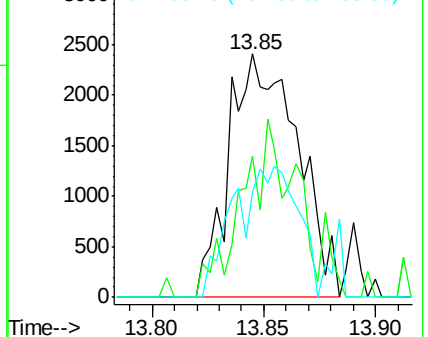


#61
Stvrene
Concen: 0.07 ppbv m
RT: 13.85 min Scan# 3968
Delta R.T. -0.01 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tot Ion:104 Resp: 5173
Ion Ratio Lower Upper
104 100
78 61.9 45.4 68.0
103 55.3 38.6 57.8

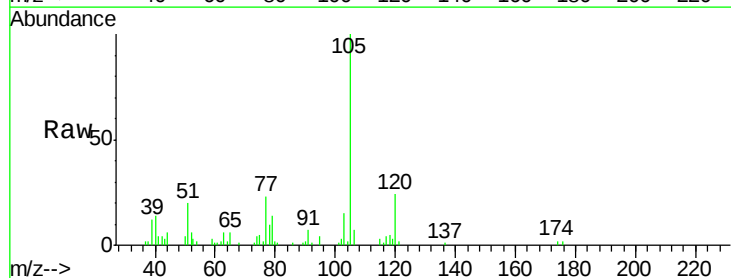


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

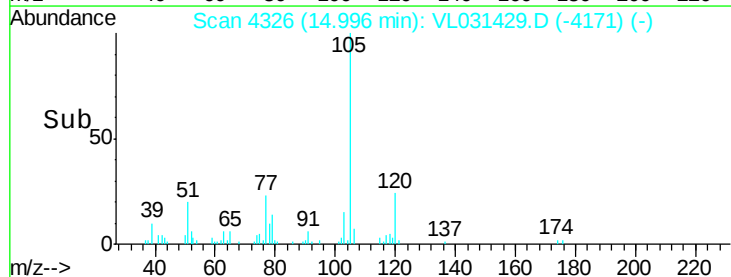
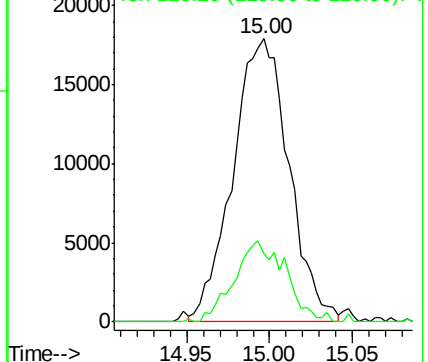


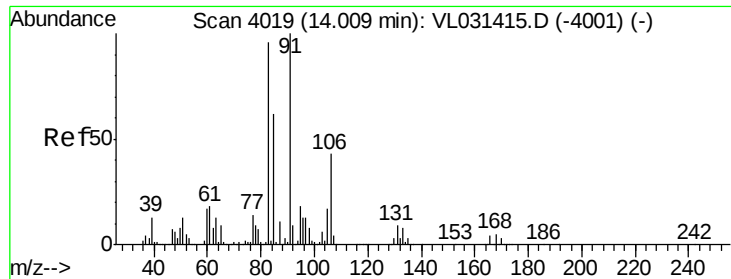
#62
Isopropylbenzene
Concen: 0.10 ppbv
RT: 15.00 min Scan# 4326
Delta R.T. -0.00 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tgt Ion:105 Resp: 42258
Ion Ratio Lower Upper
105 100
120 26.4 19.9 29.9



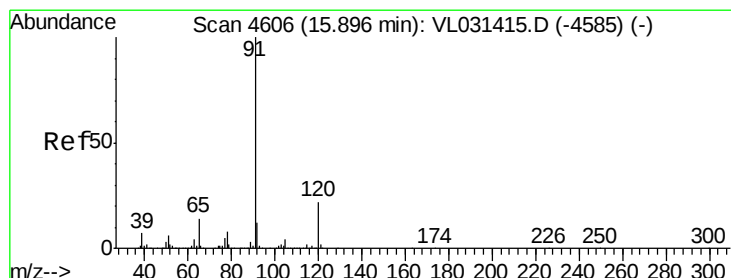
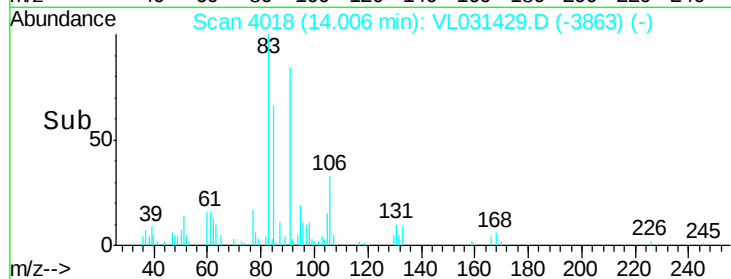
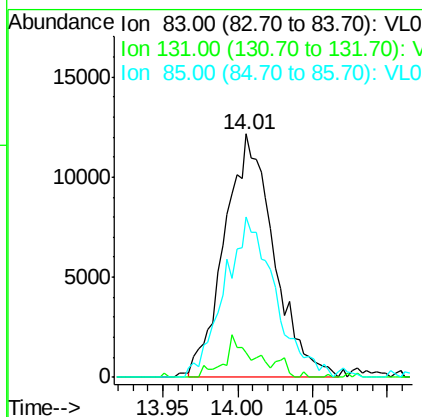
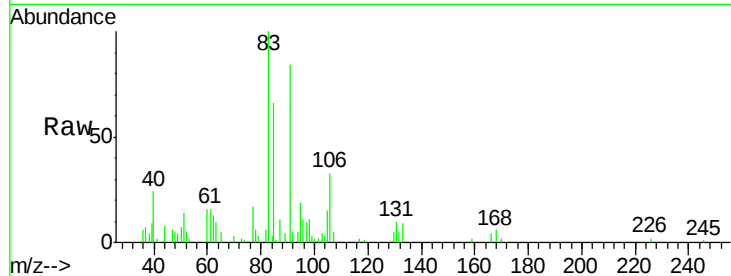
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





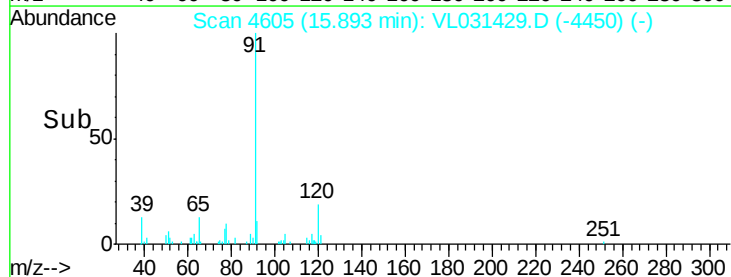
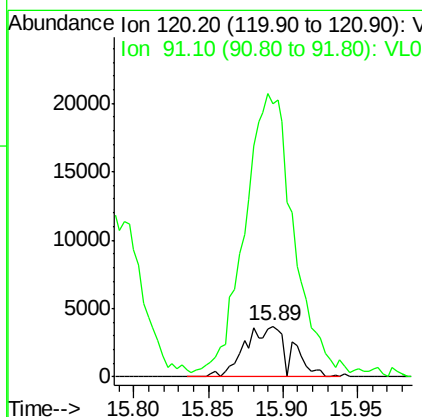
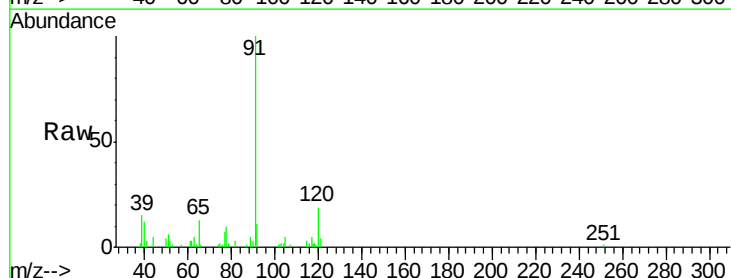
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.12 ppbv
 RT: 14.01 min Scan# 4018
 Delta R.T. -0.00 min
 Lab File: VL031429.D
 Acq: 22 Jan 2018 23:39

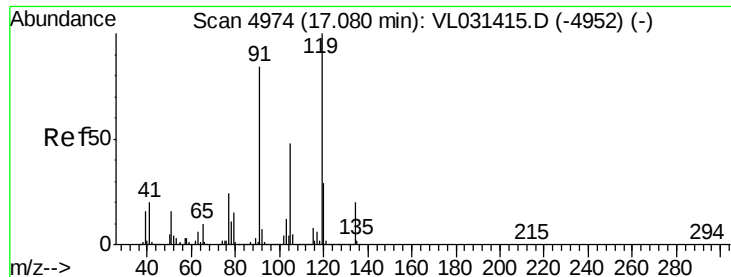
Tot Ion	83	Resp	27920
Ion	Ratio	Lower	Upper
83	100		
131	11.6	4.8	14.3
85	68.2	32.4	97.0



#64
 n-propylbenzene
 Concen: 0.08 ppbv m
 RT: 15.89 min Scan# 4605
 Delta R.T. -0.00 min
 Lab File: VL031429.D
 Acq: 22 Jan 2018 23:39

Tgt Ion	120	Resp	7910
Ion	Ratio	Lower	Upper
120	100		
91	620.4	389.8	584.6#





#65

tert-Butylbenzene

Concen: 0.09 ppbv m

RT: 17.08 min Scan# 4975

Delta R.T. 0.00 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

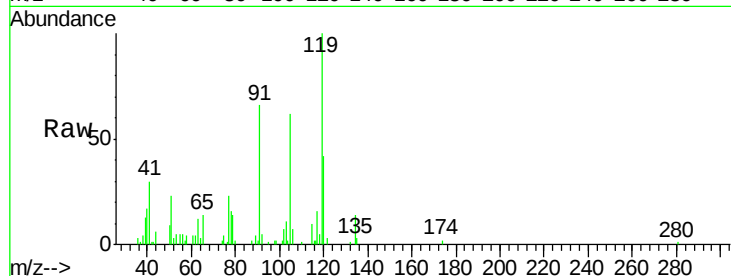
Tot Ion: 119 Resp: 31068

Ion Ratio Lower Upper

119 100

91 0.0 69.0 103.6#

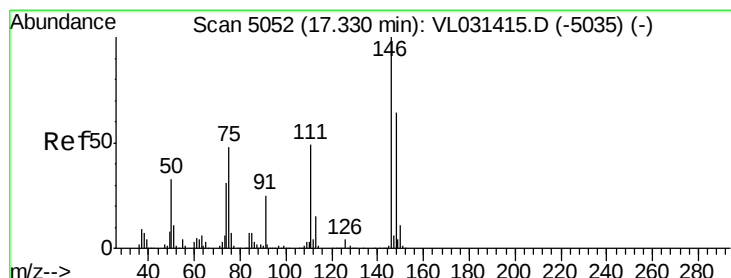
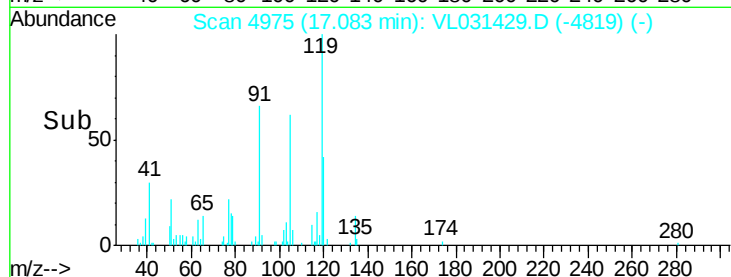
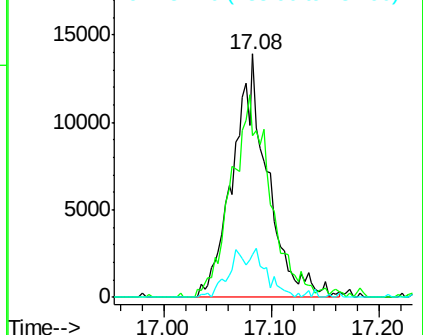
134 0.0 15.7 23.5#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.11 ppbv m

RT: 17.33 min Scan# 5051

Delta R.T. 0.00 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

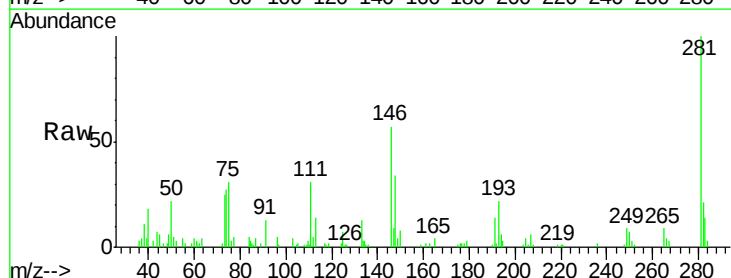
Tgt Ion: 91 Resp: 3907

Ion Ratio Lower Upper

91 100

126 15.1 13.8 20.8

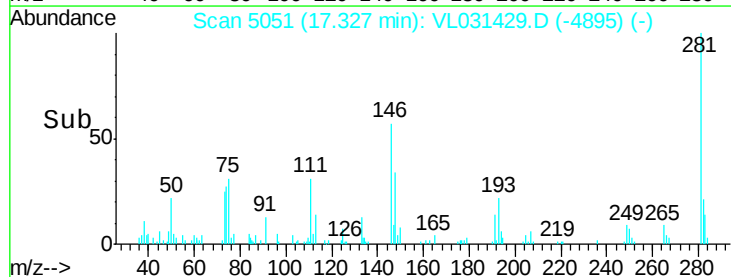
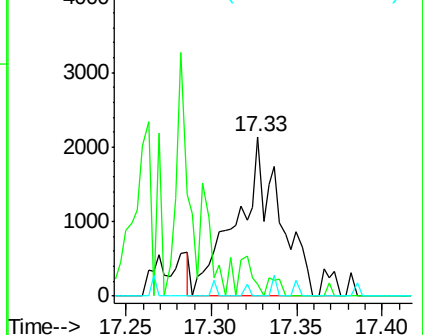
128 0.0 4.6 6.8#

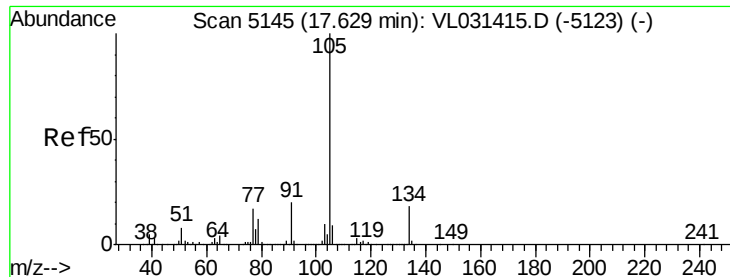


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.09 ppbv

RT: 17.63 min Scan# 5145

Delta R.T. -0.00 min

Lab File: VL031429.D

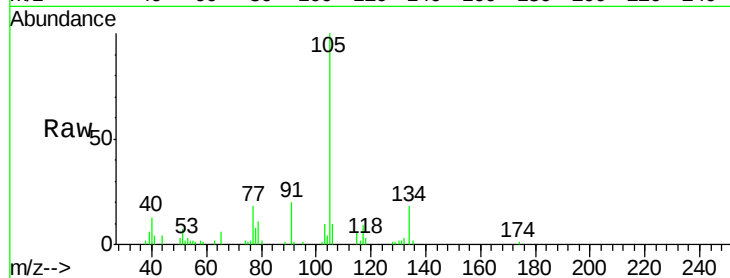
Acq: 22 Jan 2018 23:39

Tot Ion:105 Resp: 46717

Ion Ratio Lower Upper

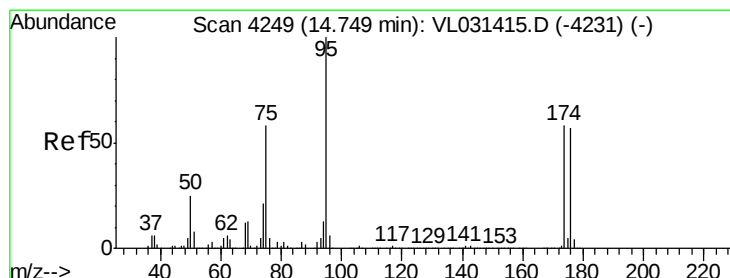
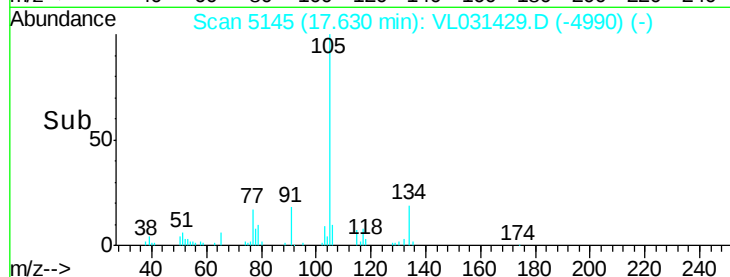
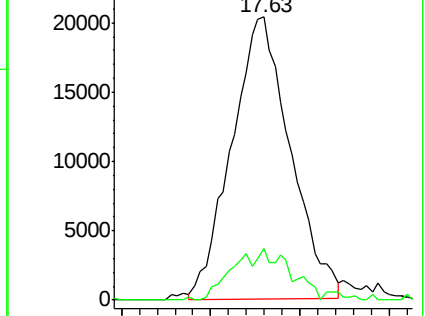
105 100

134 18.7 14.5 21.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.27 ppbv

RT: 14.75 min Scan# 4249

Delta R.T. 0.00 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

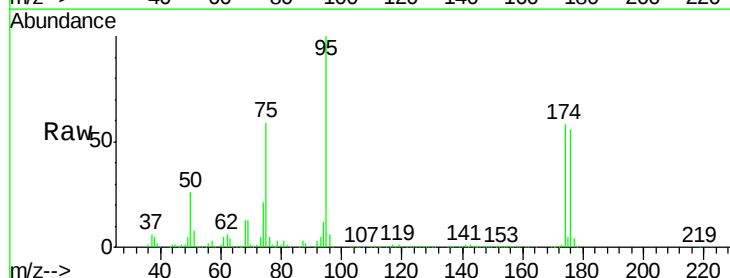
Tgt Ion: 95 Resp: 2162993

Ion Ratio Lower Upper

95 100

174 60.8 48.2 72.4

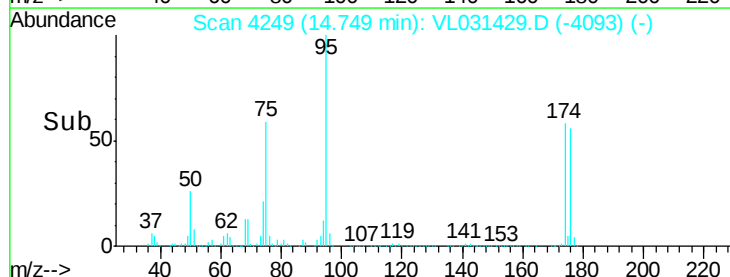
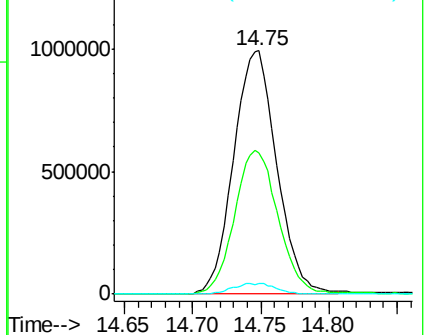
175 4.5 3.6 5.4

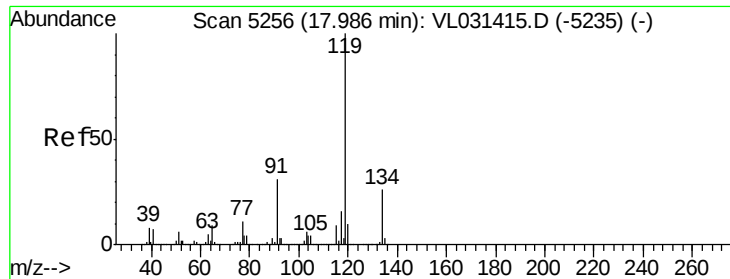


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

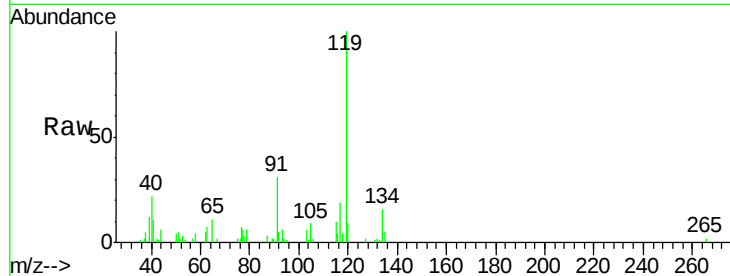
Ion 175.00 (174.70 to 175.70): V



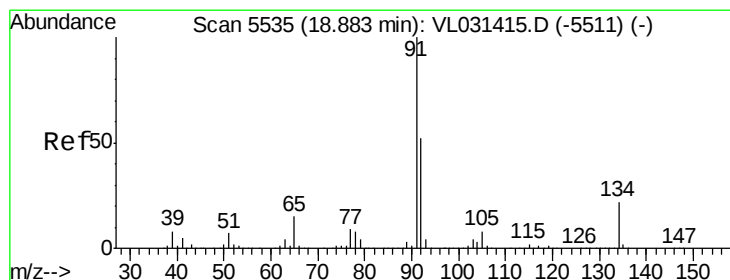
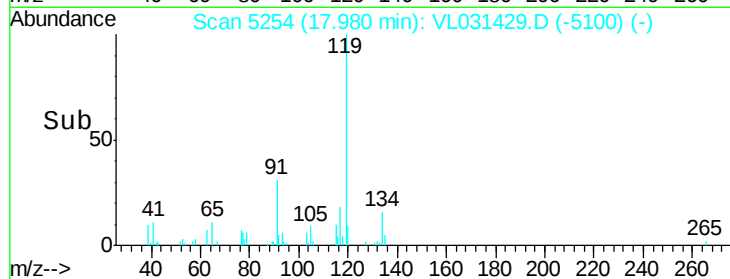
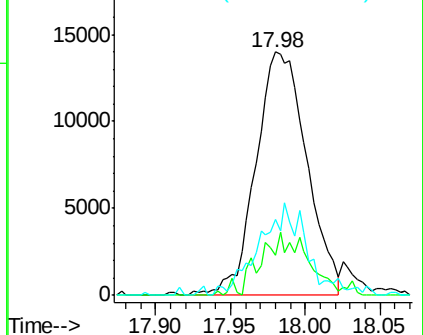


#69
 p-Isopropyltoluene
 Concen: 0.08 ppbv
 RT: 17.98 min Scan# 5254
 Delta R.T. -0.01 min
 Lab File: VL031429.D
 Acq: 22 Jan 2018 23:39

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.4
91	36.8	25.0	37.4

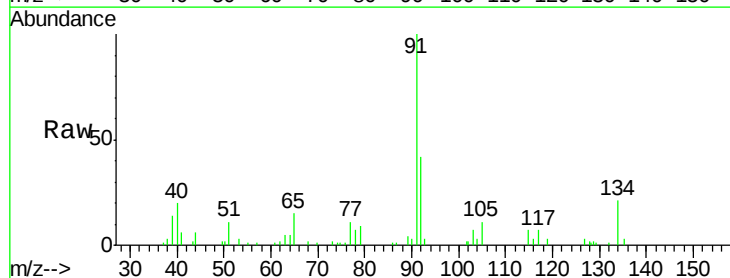


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

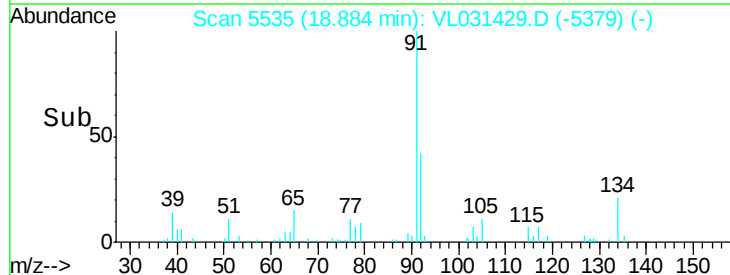
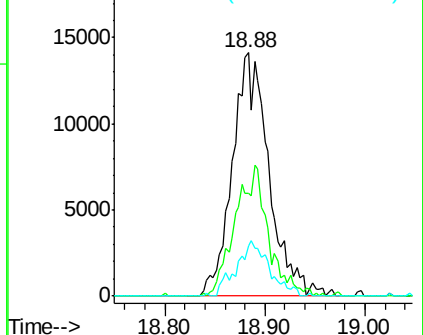


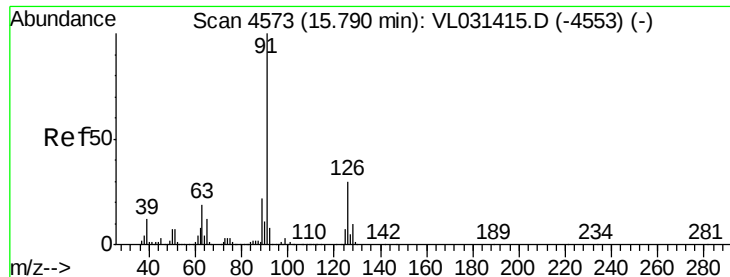
#70
 n-Butylbenzene
 Concen: 0.08 ppbv m
 RT: 18.88 min Scan# 5535
 Delta R.T. 0.00 min
 Lab File: VL031429.D
 Acq: 22 Jan 2018 23:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.2	63.4#
134	0.0	17.4	26.2#



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





#71

2-Chlorotoluene

Concen: 0.09 ppbv m

RT: 15.78 min Scan# 4570

Delta R.T. -0.01 min

Lab File: VL031429.D

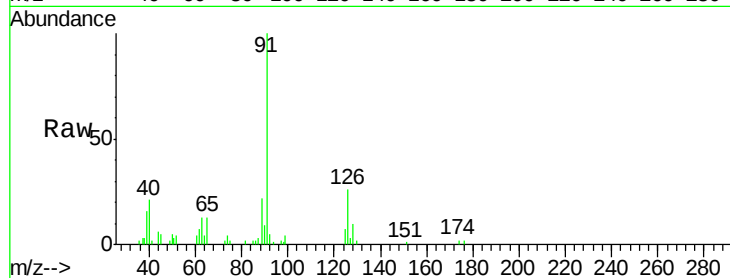
Acq: 22 Jan 2018 23:39

Tot Ion: 91 Resp: 29540

Ion Ratio Lower Upper

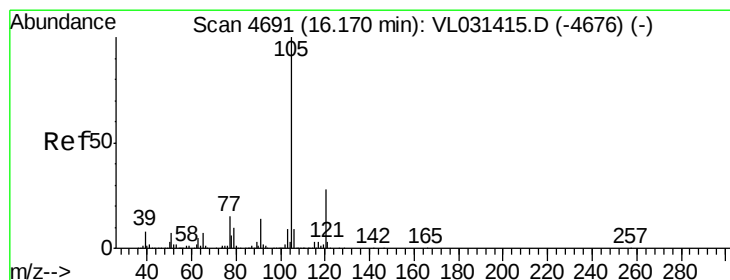
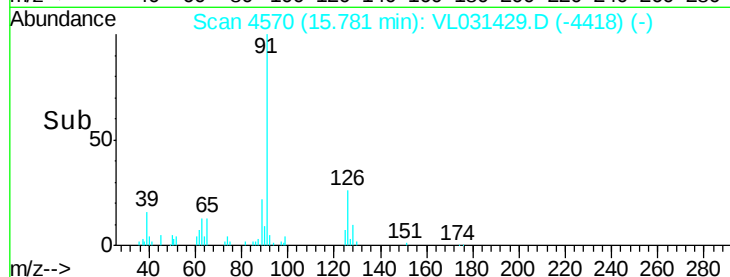
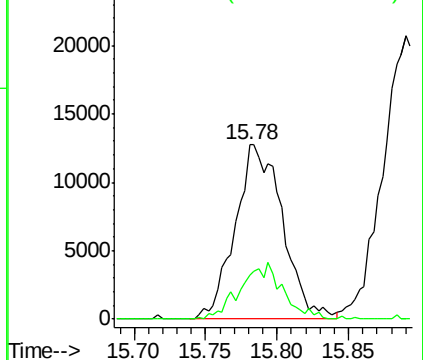
91 100

126 0.0 11.7 46.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.08 ppbv m

RT: 16.17 min Scan# 4692

Delta R.T. 0.00 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

Tgt Ion: 105 Resp: 28105

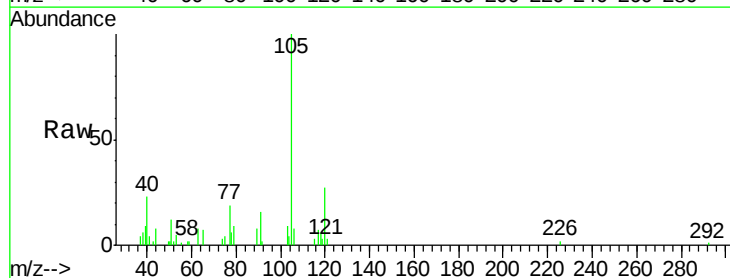
Ion Ratio Lower Upper

105 100

120 0.0 23.0 34.6#

91 18.5 11.0 16.4#

77 0.0 12.3 18.5#

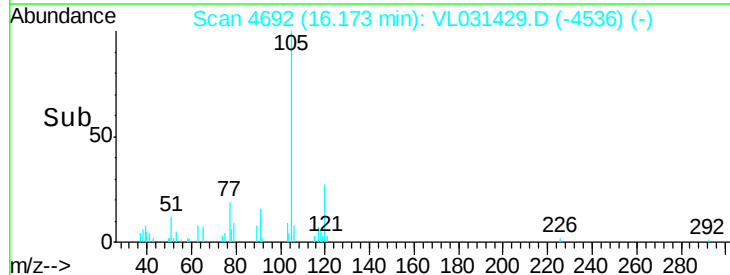
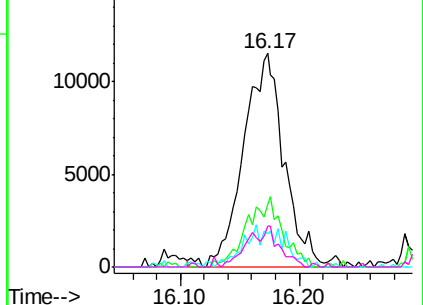


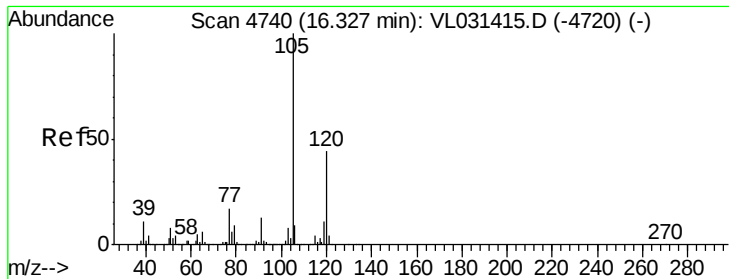
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 0.08 ppbv

RT: 16.33 min Scan# 4740

Delta R.T. 0.00 min

Lab File: VL031429.D

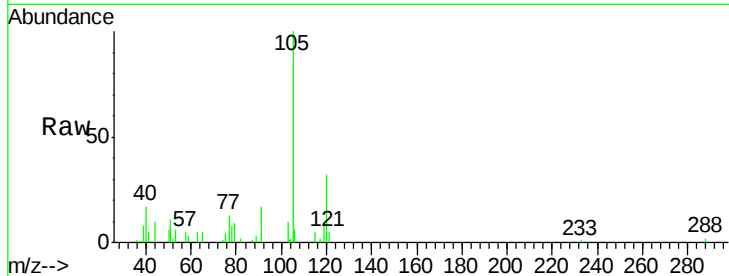
Acq: 22 Jan 2018 23:39

Tot Ion:105 Resp: 25000

Ion Ratio Lower Upper

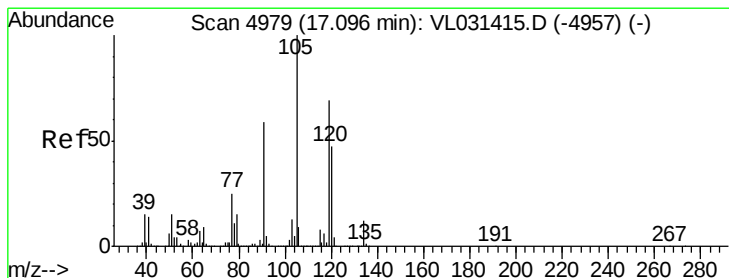
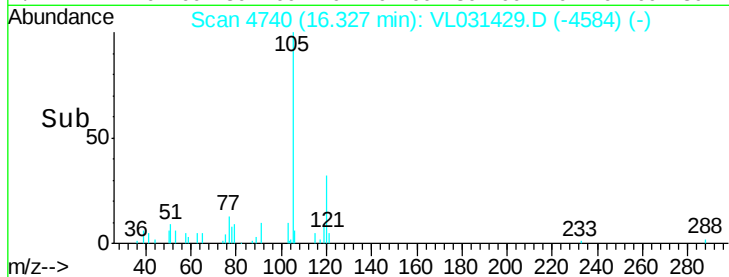
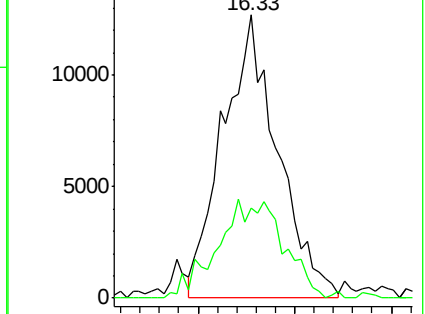
105 100

120 29.8 35.8 53.6#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.08 ppbv

RT: 17.10 min Scan# 4980

Delta R.T. -0.00 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

Tgt Ion:105 Resp: 26734

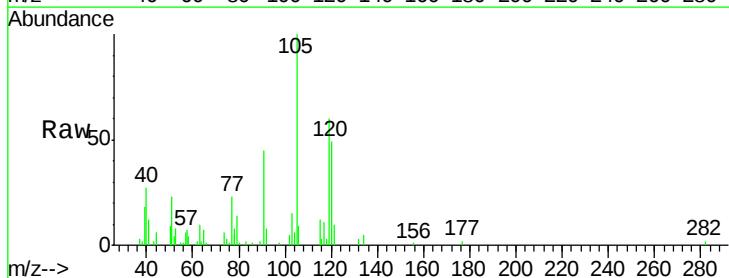
Ion Ratio Lower Upper

105 100

120 51.3 37.0 55.6

91 40.7 35.1 52.7

77 29.4 17.9 26.9#

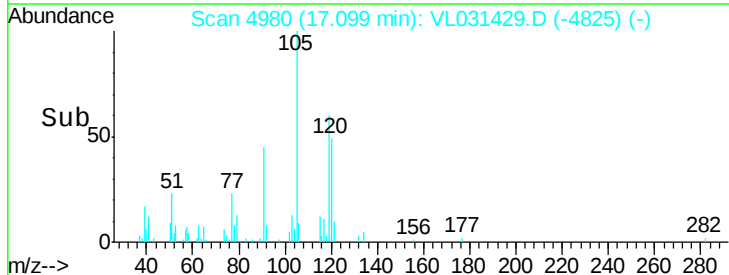
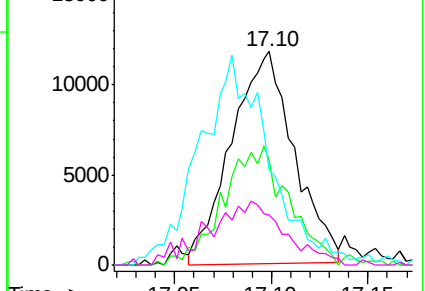


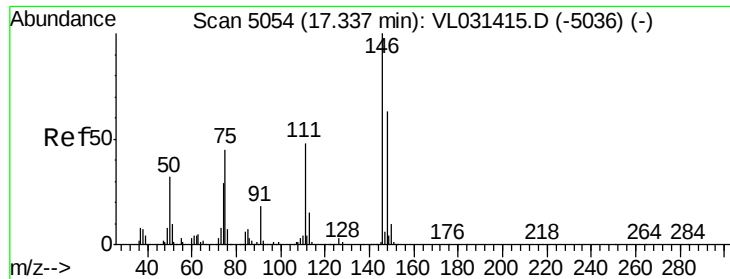
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 0.13 ppbv m

RT: 17.33 min Scan# 5052

Delta R.T. -0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

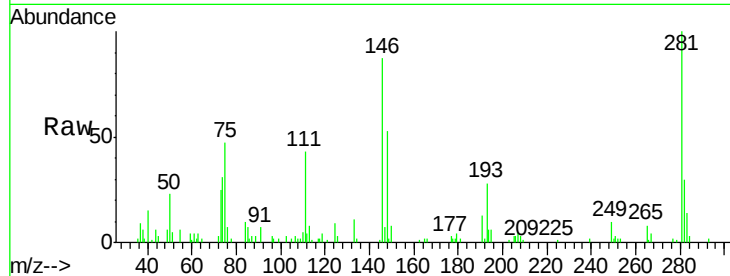
Tot Ion:146 Resp: 27470

Ion Ratio Lower Upper

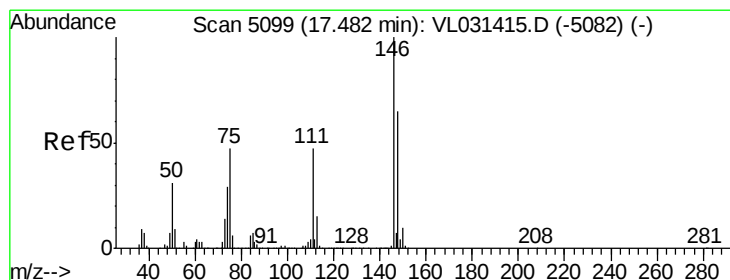
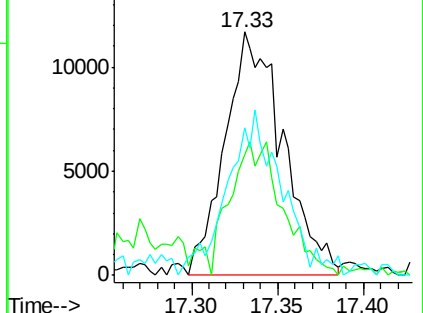
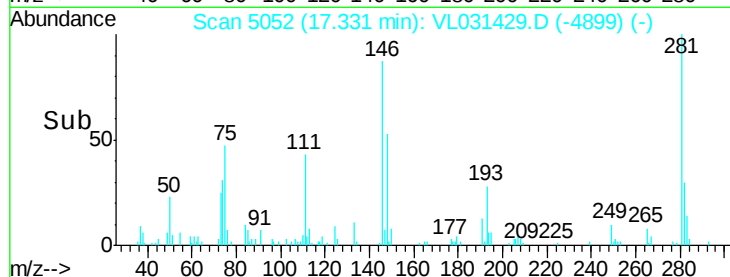
146 100

111 54.6 24.2 72.6

148 0.0 32.1 96.3#



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



#76

1,4-Dichlorobenzene

Concen: 0.12 ppbv m

RT: 17.48 min Scan# 5098

Delta R.T. -0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

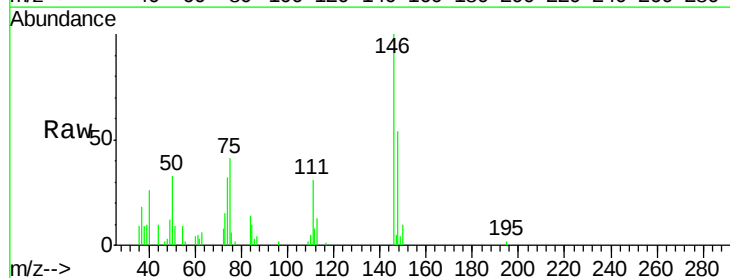
Tgt Ion:146 Resp: 23949

Ion Ratio Lower Upper

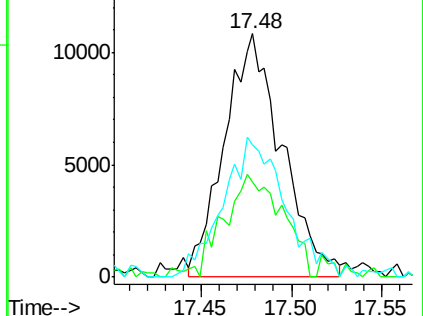
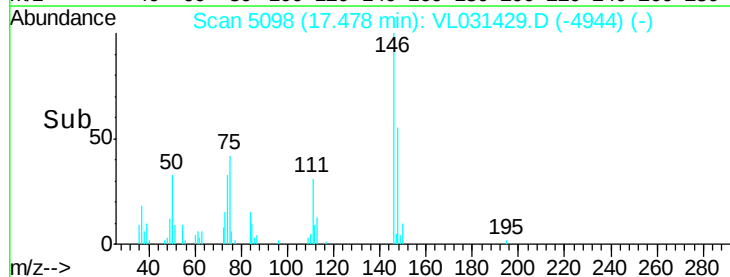
146 100

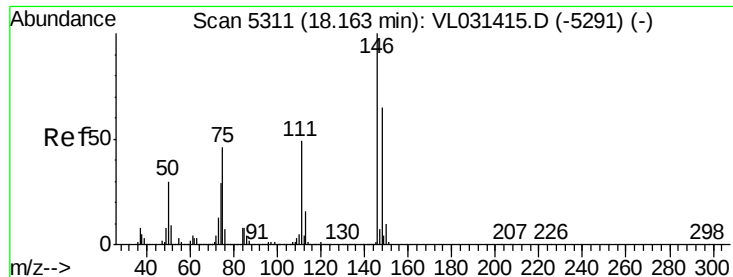
111 46.3 23.3 69.9

148 62.3 32.4 97.2



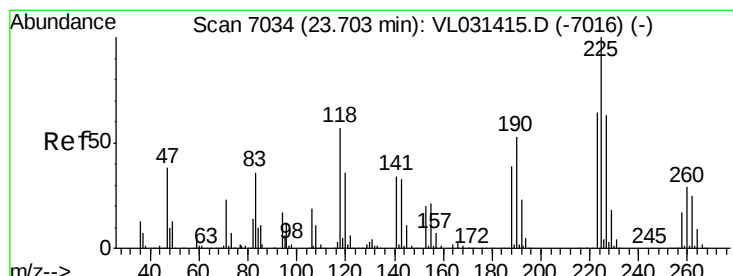
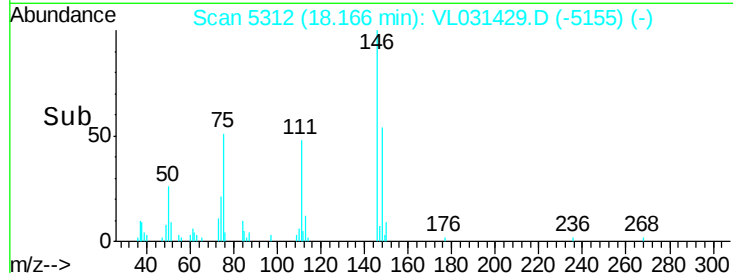
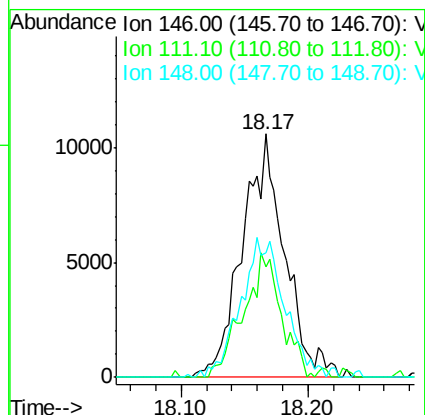
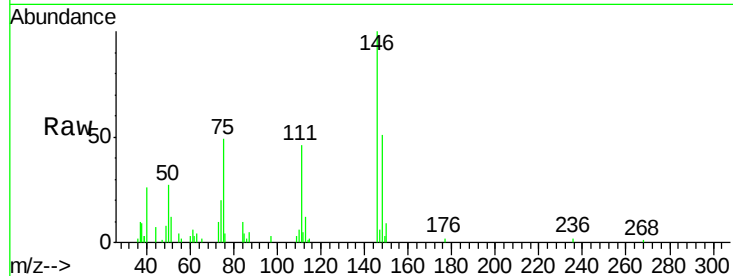
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





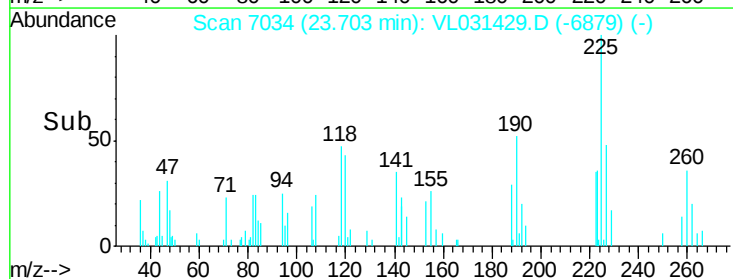
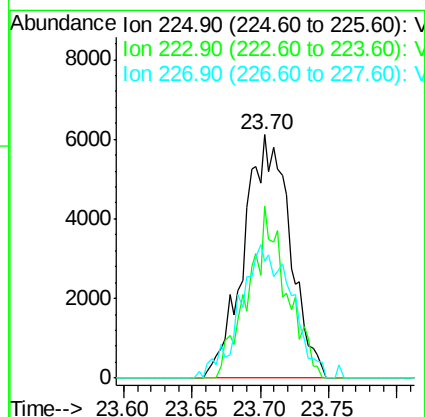
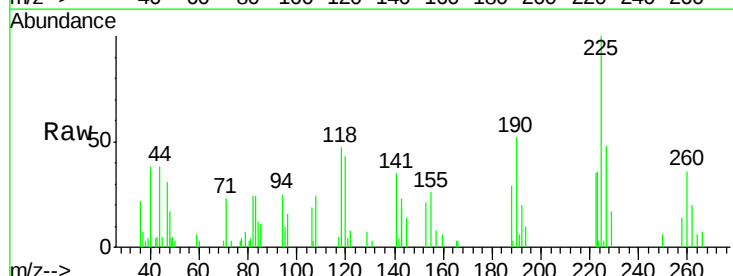
#77
 1,2-Dichlorobenzene
 Concen: 0.12 ppbv m
 RT: 18.17 min Scan# 5312
 Delta R.T. 0.00 min
 Lab File: VL031429.D
 Acq: 22 Jan 2018 23:39

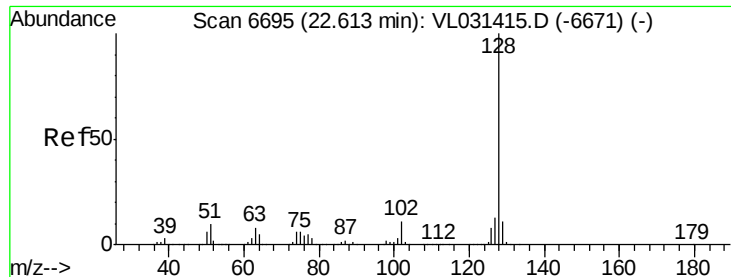
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.6	74.0#
148	59.8	32.3	96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.20 ppbv m
 RT: 23.70 min Scan# 7034
 Delta R.T. -0.00 min
 Lab File: VL031429.D
 Acq: 22 Jan 2018 23:39

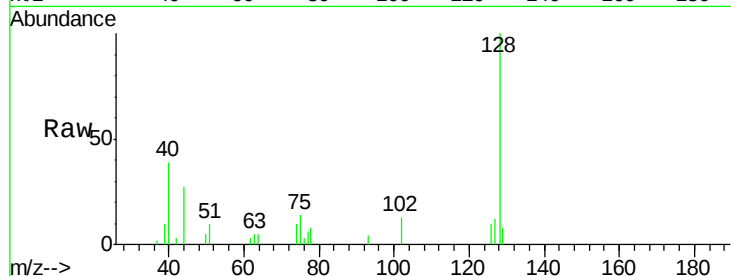
Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.3	76.9#
227	0.0	50.7	76.1#



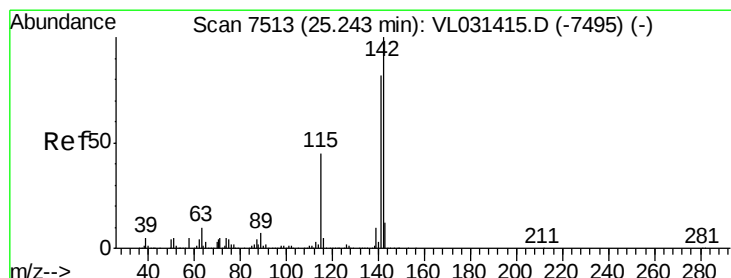
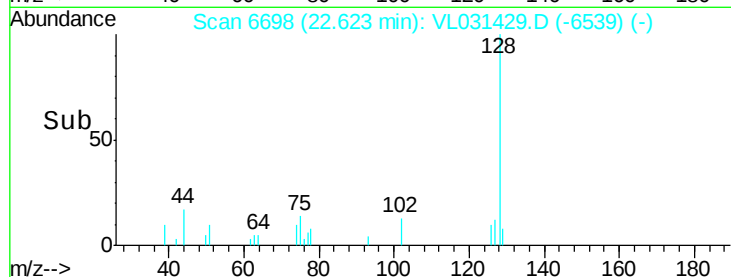
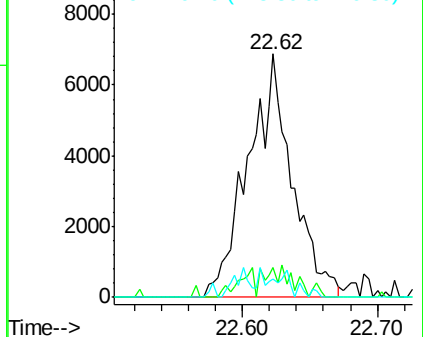


#79
Naphthalene
Concen: 0.08 ppbv m
RT: 22.62 min Scan# 6698
Delta R.T. 0.01 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.6	16.0
129	7.6	9.2	13.8#

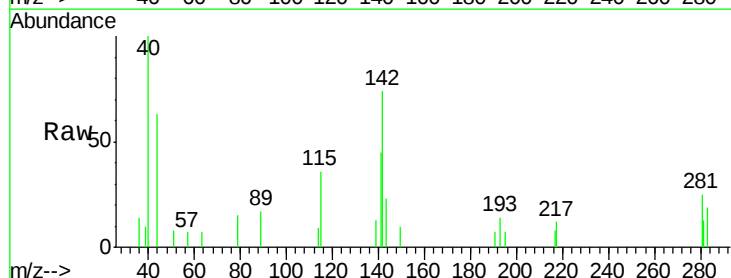


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

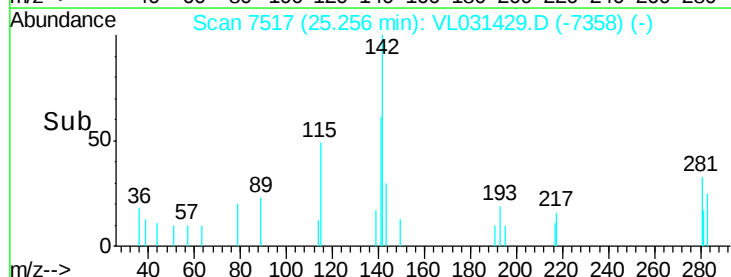
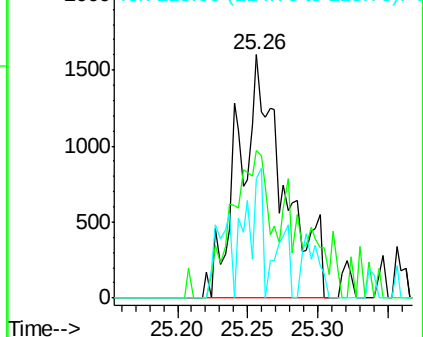


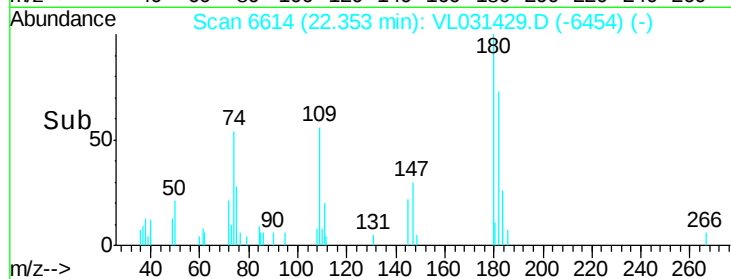
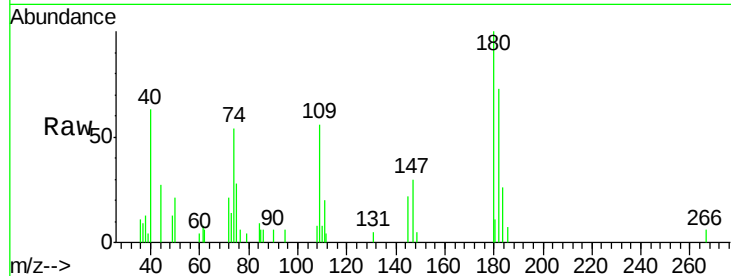
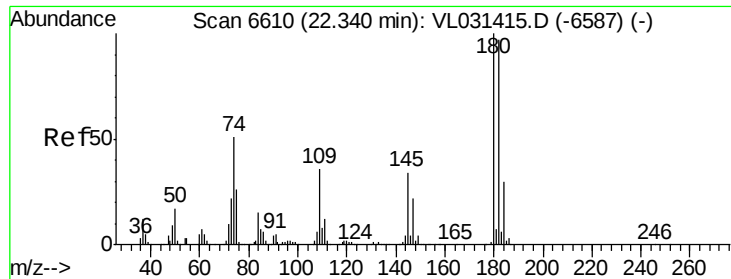
#80
Naphthalene, 2-methyl-
Concen: 0.06 ppbv
RT: 25.26 min Scan# 7517
Delta R.T. 0.01 min
Lab File: VL031429.D
Acq: 22 Jan 2018 23:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.7	68.7	103.1
115	32.6	36.3	54.5#



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





#81

1,2,4-Trichlorobenzene

Concen: 0.10 ppbv m

RT: 22.35 min Scan# 6614

Delta R.T. 0.01 min

Lab File: VL031429.D

Acq: 22 Jan 2018 23:39

Tot Ion:180 Resp: 11517

Ion Ratio Lower Upper

180 100

182 0.0 76.2 114.4#

184 27.7 24.2 36.4

