

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
 Data File : VL031438.D
 Acq On : 23 Jan 2018 5:04
 Operator : SY/AP
 Sample : J1089-13
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Quant Time: Jan 23 06:25:42 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	5.91	49	1197943	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2827346	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2710879	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2277905	10.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.33	85	3712	0.02	ppbv	98
3) Chlorodifluoromethane	3.12	51	4856	0.03	ppbv	97
4) Chloromethane	3.28	50	2341	0.03	ppbv	89
5) Vinyl Chloride	3.40	62	972	0.01	ppbv	93
6) Bromomethane	3.62	94	1016	0.02	ppbv #	46
7) Chloroethane	3.71	64	353	0.01	ppbv #	42
8) Dichlorotetrafluoroethane	3.32	85	3050	0.02	ppbv #	17
9) Propene	3.13	41	683	0.01	ppbv #	1
10) Heptane	8.40	43	902	0.01	ppbv #	28
11) Trichlorofluoromethane	4.13	101	7718	0.03	ppbv #	65
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1840	0.01	ppbv #	13
13) Ethanol	3.78	45	128	0.01	ppbv #	38
14) Bromoethene	3.91	108	1017	0.02	ppbv #	24
15) Acetone	4.05	43	6550	0.04	ppbv #	67
16) 1,3-Butadiene	3.47	39	882	0.01	ppbv #	1
17) tert-Butyl alcohol	4.53	59	919	0.01	ppbv #	71
18) 1,1-Dichloroethene	4.48	96	667	0.01	ppbv #	67
19) Isopropyl Alcohol	4.16	45	100	0.00	ppbv #	1
20) Methylene Chloride	4.54	84	6084	0.10	ppbv	95
21) Allyl Chloride	4.59	41	733	0.01	ppbv #	1
22) trans-1,2-Dichloroethene	5.10	96	1057	0.02	ppbv #	33
23) Vinyl Acetate	5.29	43	1775	0.01	ppbv #	59
24) 1,1-Dichloroethane	5.23	63	4072	0.02	ppbv #	94
25) Ethyl Acetate	5.94	43	4854	0.02	ppbv #	73
26) Hexane	5.92	57	1659	0.01	ppbv #	1
27) Carbon Disulfide	4.75	76	4695	0.03	ppbv #	1
28) Methyl tert-Butyl Ether	5.28	73	1394	0.01	ppbv #	54
29) Chloroform	5.99	83	6422	0.03	ppbv #	68
30) Cyclohexane	7.40	84	780	0.01	ppbv #	1
31) cis-1,2-Dichloroethene	5.78	61	2027	0.02	ppbv #	71
32) 1,1,1-Trichloroethane	6.77	97	3031	0.01	ppbv #	22
34) 2-Butanone	5.47	43	162	0.00	ppbv #	55
35) Carbon Tetrachloride	7.29	117	4511	0.02	ppbv #	79
36) Benzene	7.16	78	3483	0.01	ppbv	95
37) 1,2-Dichloroethane	6.56	62	1844	0.01	ppbv #	55
38) Trichloroethene	8.12	130	290	0.00	ppbv #	26
39) 1,2-Dichloropropane	7.45	63	799644	8.47	ppbv #	22
40) 1,4-Dioxane	8.21	88	33	0.00	ppbv #	1
41) Tetrahydrofuran	6.33	42	379	0.00	ppbv #	15
42) Bromodichloromethane	8.08	83	3274	0.01	ppbv #	57
43) Methyl Methacrylate	8.29	69	263	0.00	ppbv #	1

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 ClientSampleId :
 MDL-AIR-6

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 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

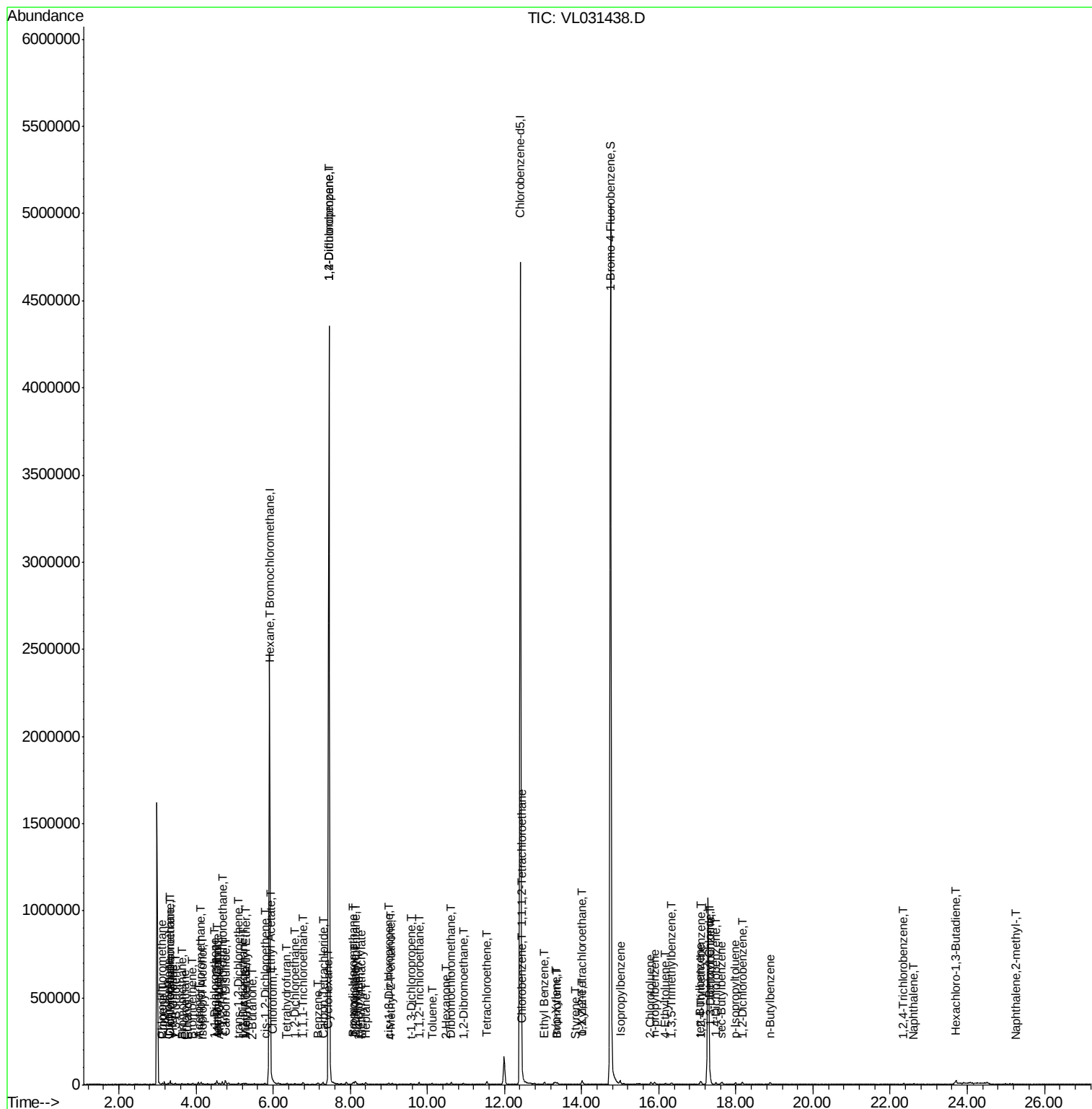
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	1369	0.00	ppbv	# 1
45) t-1,3-Dichloropropene	9.58	75	1094	0.01	ppbv	# 71
46) cis-1,3-Dichloropropene	9.00	75	1087	0.01	ppbv	# 43
47) 1,1,2-Trichloroethane	9.77	97	1527	0.01	ppbv	# 39
48) Dibromochloromethane	10.62	129	1971	0.01	ppbv	# 10
49) Bromoform	13.37	173	1447	0.01	ppbv	# 27
50) 4-Methyl-2-Pentanone	9.05	43	49	0.00	ppbv	# 41
51) 2-Hexanone	10.47	43	424	0.00	ppbv	# 31
52) Tetrachloroethene	11.55	164	2271	0.02	ppbv	# 37
53) Toluene	10.12	91	4048	0.01	ppbv	# 71
54) 1,2-Dibromoethane	10.93	107	2644	0.02	ppbv	# 79
56) 1,1,1,2-Tetrachloroethane	12.45	131	802	0.01	ppbv	# 9
57) Chlorobenzene	12.47	112	4535	0.02	ppbv	# 64
58) Ethyl Benzene	13.03	91	4115	0.01	ppbv	# 92
59) m/p-Xylene	13.32	91	4179	0.01	ppbv	# 32
60) o-Xylene	14.02	91	2831	0.01	ppbv	# 3
61) Styrene	13.85	104	383	0.01	ppbv	# 26
62) Isopropylbenzene	14.99	105	2691	0.01	ppbv	# 50
63) 1,1,2,2-Tetrachloroethane	14.00	83	2034	0.01	ppbv	# 25
64) n-propylbenzene	15.89	120	845	0.01	ppbv	# 1
65) tert-Butylbenzene	17.08	119	2070	0.01	ppbv	# 16
66) Benzyl Chloride	17.32	91	163	0.00	ppbv	# 66
67) sec-Butylbenzene	17.63	105	3129	0.01	ppbv	# 18
69) p-Isopropyltoluene	17.98	119	1330	0.00	ppbv	# 1
70) n-Butylbenzene	18.88	91	1729	0.00	ppbv	# 34
71) 2-Chlorotoluene	15.79	91	1601	0.00	ppbv	# 45
72) 4-Ethyltoluene	16.16	105	2008	0.01	ppbv	# 27
73) 1,3,5-Trimethylbenzene	16.32	105	1663	0.01	ppbv	# 1
74) 1,2,4-Trimethylbenzene	17.10	105	1660	0.00	ppbv	# 71
75) 1,3-Dichlorobenzene	17.34	146	2650	0.01	ppbv	# 1
76) 1,4-Dichlorobenzene	17.48	146	1426	0.01	ppbv	# 1
77) 1,2-Dichlorobenzene	18.15	146	1784	0.01	ppbv	# 1
78) Hexachloro-1,3-Butadiene	23.70	225	1684	0.02	ppbv	# 18
79) Naphthalene	22.60	128	492	0.00	ppbv	# 68
80) Naphthalene,2-methyl-	25.26	142	445	0.01	ppbv	# 19
81) 1,2,4-Trichlorobenzene	22.33	180	383	0.00	ppbv	# 1

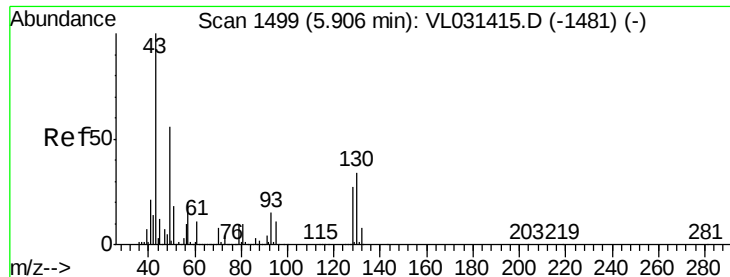
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator  : SY/AP  
Sample    : J1089-13  
Misc      : 400ml/MSVOA_L  
ALS Vial  : 1    Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

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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
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

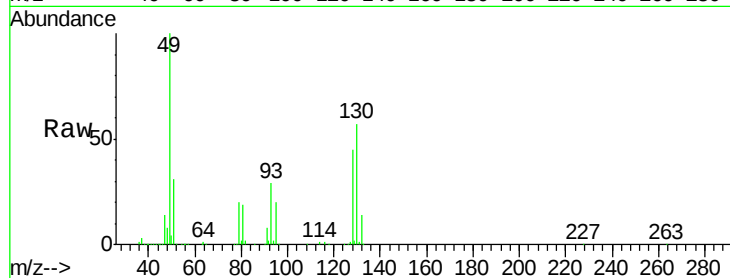
Tgt Ion: 49 Resp: 1197943

Ion Ratio Lower Upper

49 100

128 44.4 23.5 70.6

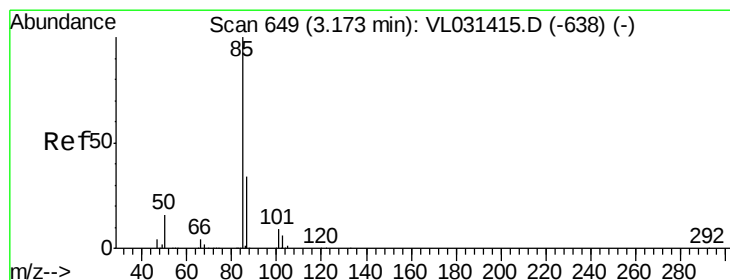
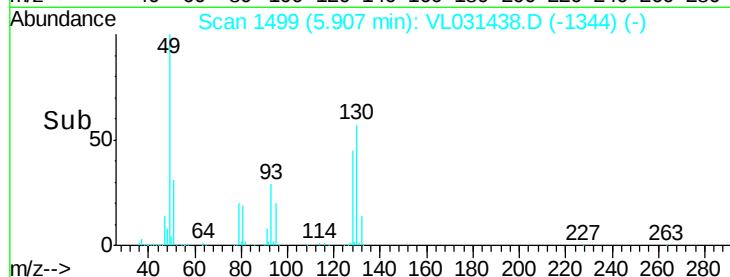
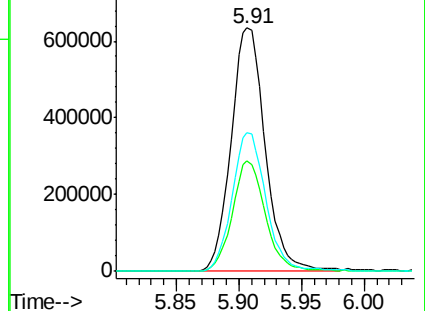
130 57.3 29.9 89.7



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: 0.02 ppbv

RT: 3.33 min Scan# 697

Delta R.T. 0.15 min

Lab File: VL031438.D

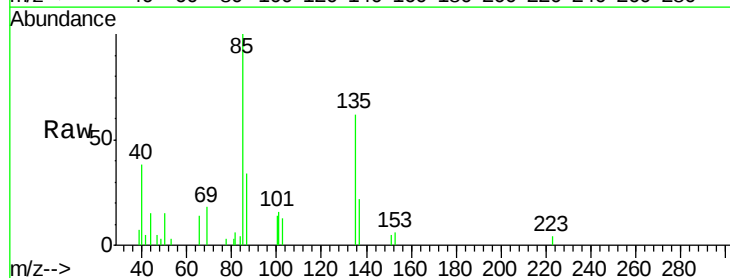
Acq: 23 Jan 2018 5:04

Tgt Ion: 85 Resp: 3712

Ion Ratio Lower Upper

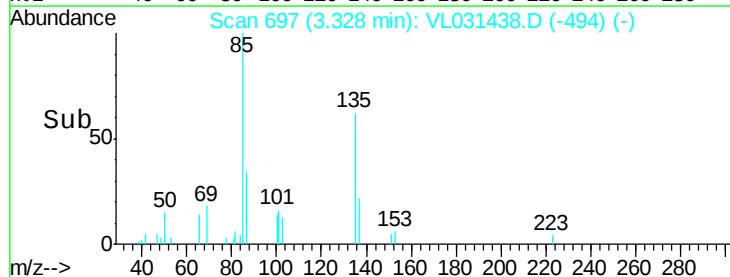
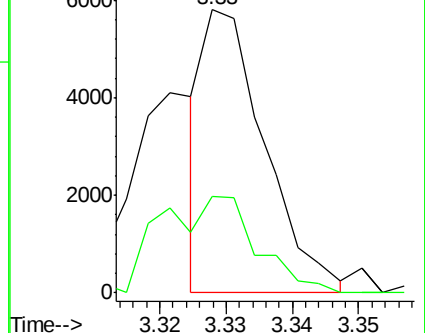
85 100

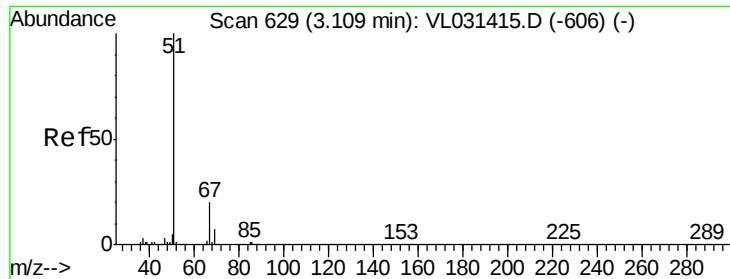
87 35.4 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.03 ppbv

RT: 3.12 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

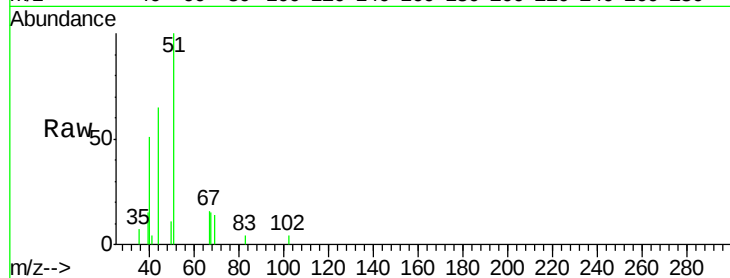
MDL-AIR-6

Tgt Ion: 51 Resp: 4856

Ion Ratio Lower Upper

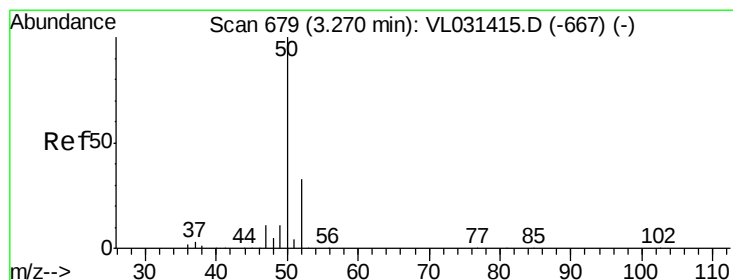
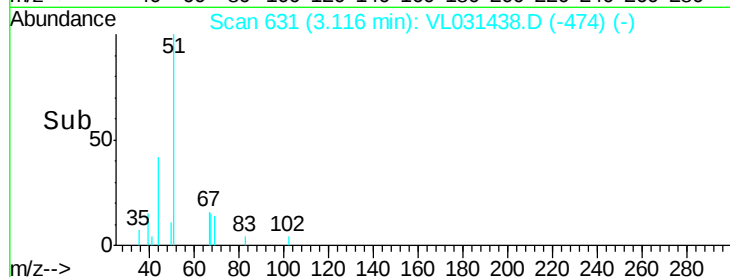
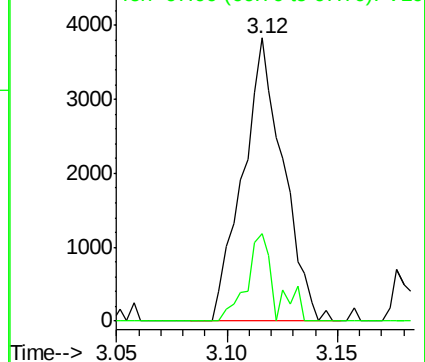
51 100

67 21.6 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: 0.03 ppbv

RT: 3.28 min Scan# 682

Delta R.T. 0.01 min

Lab File: VL031438.D

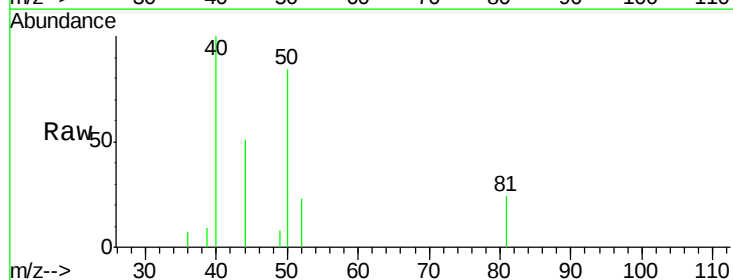
Acq: 23 Jan 2018 5:04

Tgt Ion: 50 Resp: 2341

Ion Ratio Lower Upper

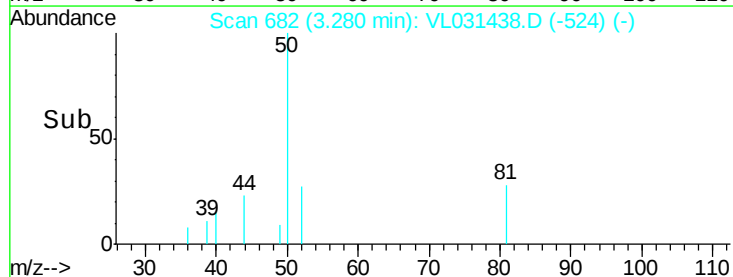
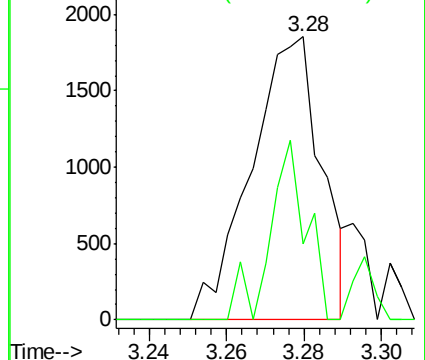
50 100

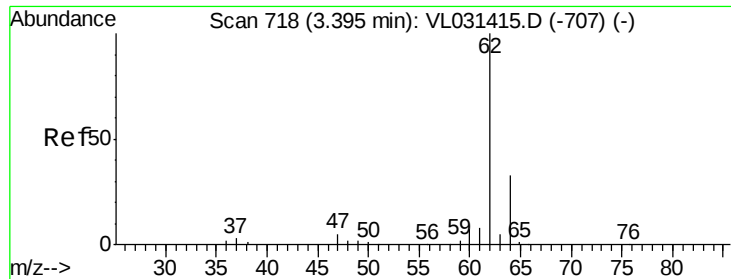
52 26.9 26.4 39.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.01 ppbv

RT: 3.40 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

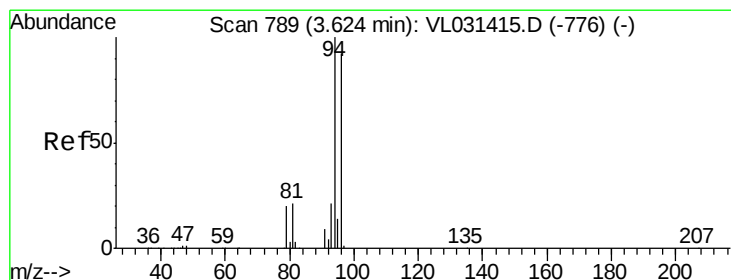
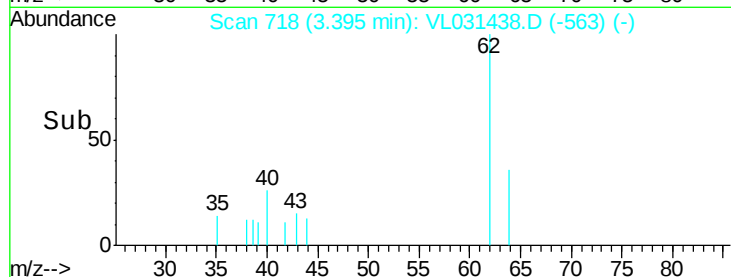
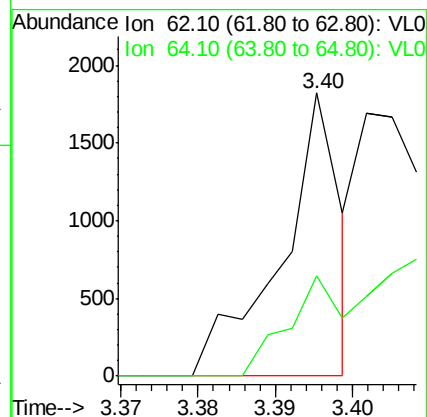
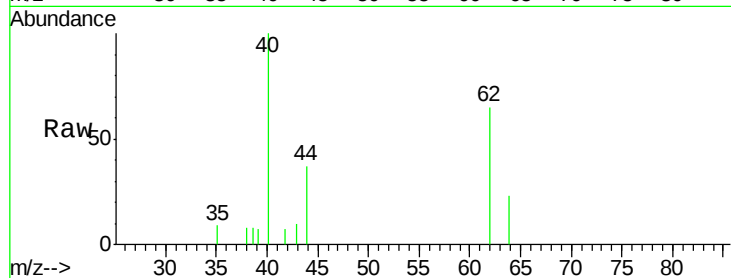
MDL-AIR-6

Tgt Ion: 62 Resp: 972

Ion Ratio Lower Upper

62 100

64 35.6 25.4 38.0



#6

Bromomethane

Concen: 0.02 ppbv

RT: 3.62 min Scan# 789

Delta R.T. -0.00 min

Lab File: VL031438.D

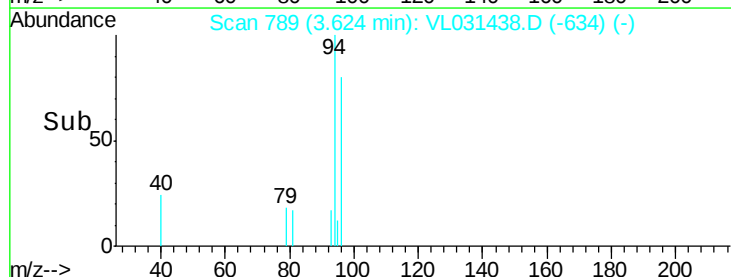
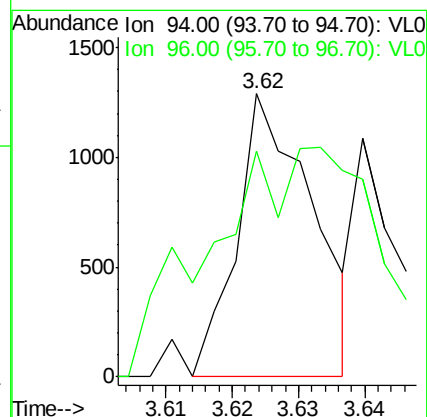
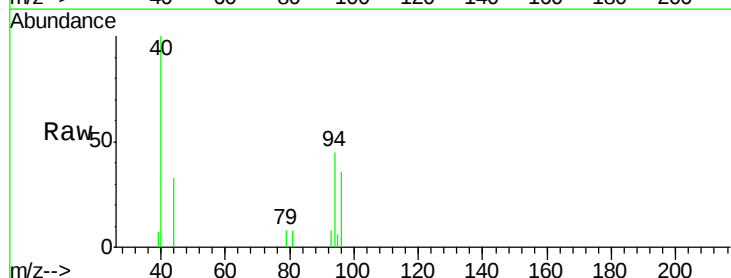
Acq: 23 Jan 2018 5:04

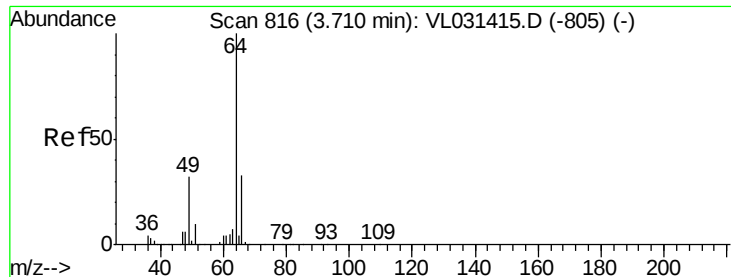
Tgt Ion: 94 Resp: 1016

Ion Ratio Lower Upper

94 100

96 41.7 75.1 112.7#





#7

Chloroethane

Concen: 0.01 ppbv

RT: 3.71 min Scan# 815

Delta R.T. -0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

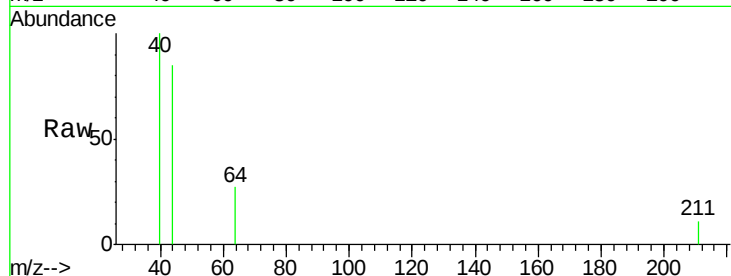
MDL-AIR-6

Tgt Ion: 64 Resp: 353

Ion Ratio Lower Upper

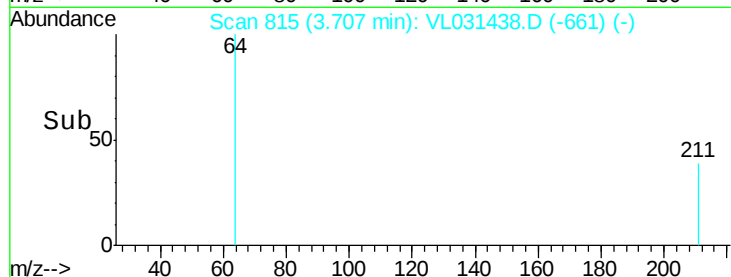
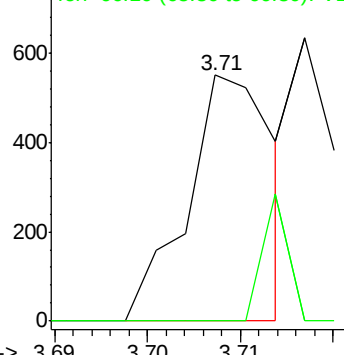
64 100

66 0.0 26.3 39.5#

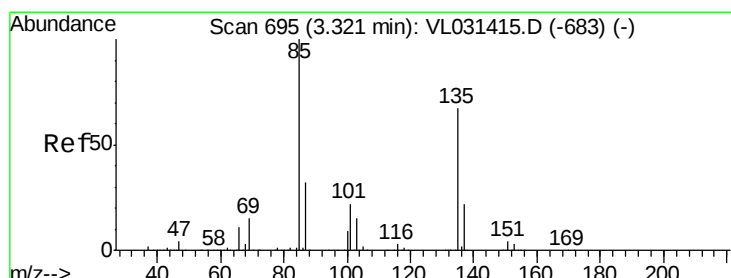


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



Time--> 3.69 3.70 3.71



#8

Dichlorotetrafluoroethane

Concen: 0.02 ppbv

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL031438.D

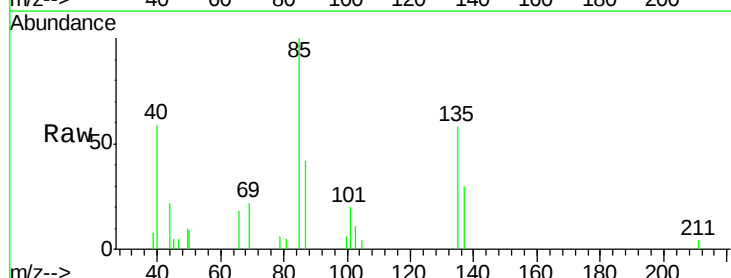
Acq: 23 Jan 2018 5:04

Tgt Ion: 85 Resp: 3050

Ion Ratio Lower Upper

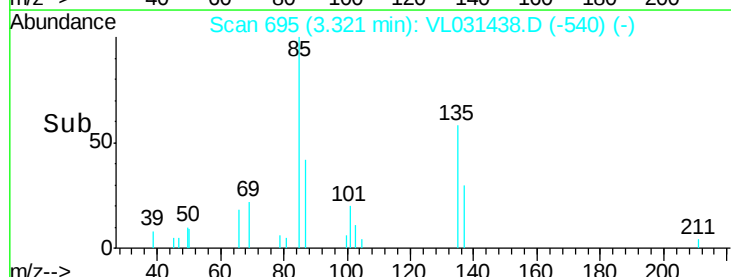
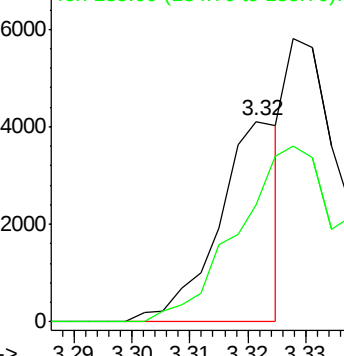
85 100

135 0.0 53.3 79.9#

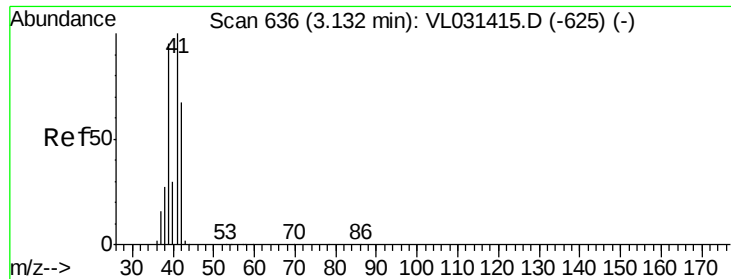


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



Time--> 3.29 3.30 3.31 3.32 3.33



#9

Propene

Concen: 0.01 ppbv

RT: 3.13 min Scan# 637

Delta R.T. -0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

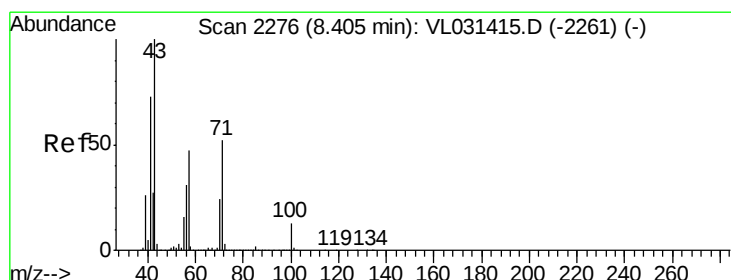
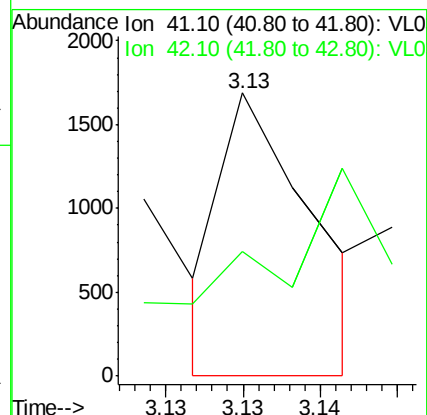
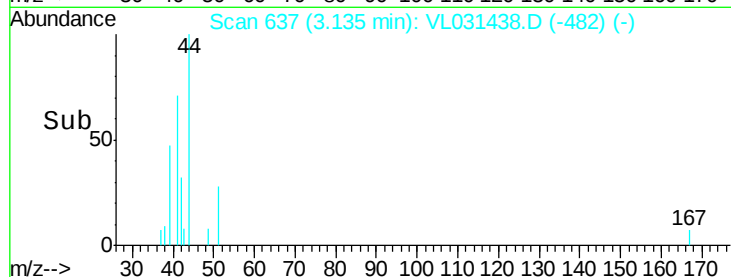
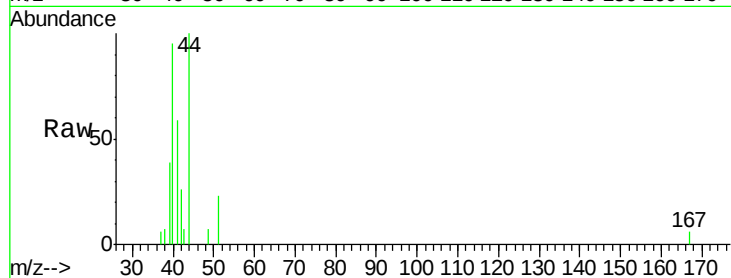
MDL-AIR-6

Tgt Ion: 41 Resp: 683

Ion Ratio Lower Upper

41 100

42 181.6 54.6 82.0#



#10

Heptane

Concen: 0.01 ppbv

RT: 8.40 min Scan# 2276

Delta R.T. -0.00 min

Lab File: VL031438.D

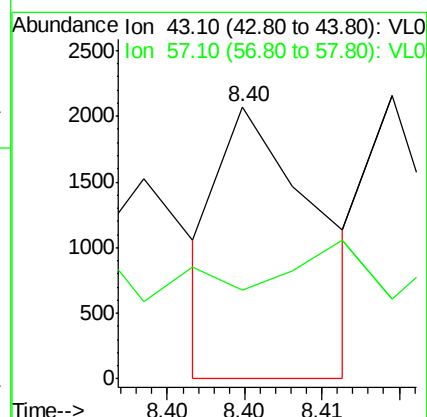
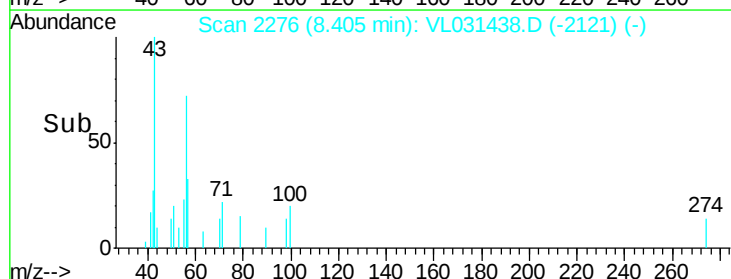
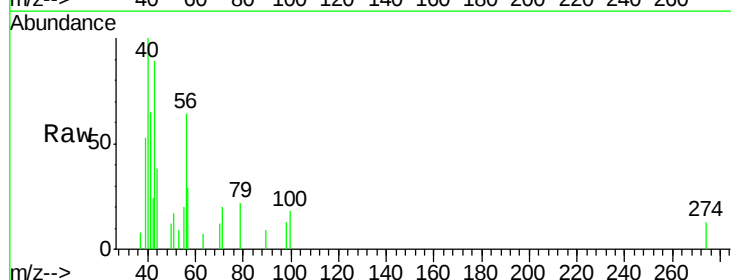
Acq: 23 Jan 2018 5:04

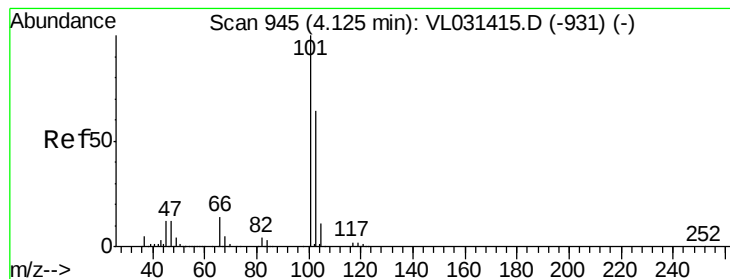
Tgt Ion: 43 Resp: 902

Ion Ratio Lower Upper

43 100

57 0.0 39.7 59.5#





#11

Trichlorofluoromethane

Concen: 0.03 ppbv

RT: 4.13 min Scan# 946

Delta R.T. 0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

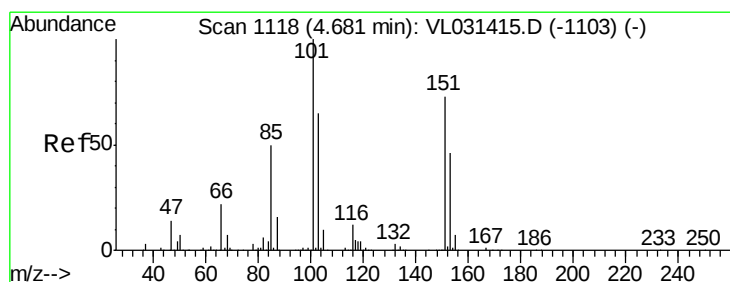
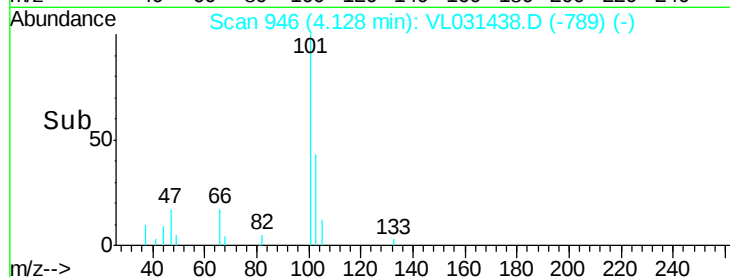
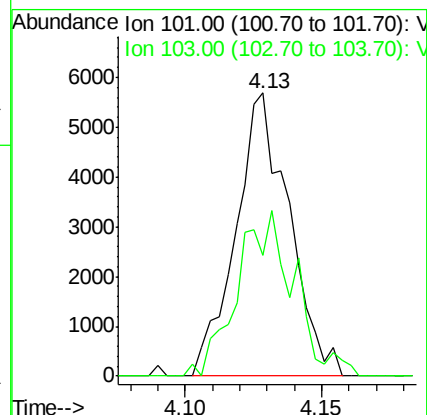
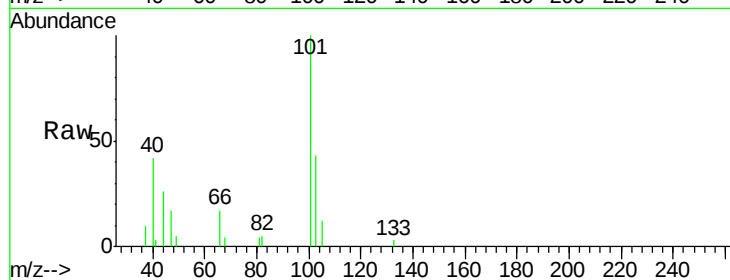
MDL-AIR-6

Tgt Ion:101 Resp: 7718

Ion Ratio Lower Upper

101 100

103 38.6 53.1 79.7#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.01 ppbv

RT: 4.68 min Scan# 1117

Delta R.T. -0.01 min

Lab File: VL031438.D

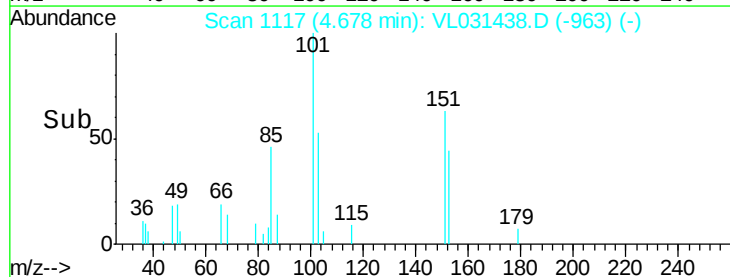
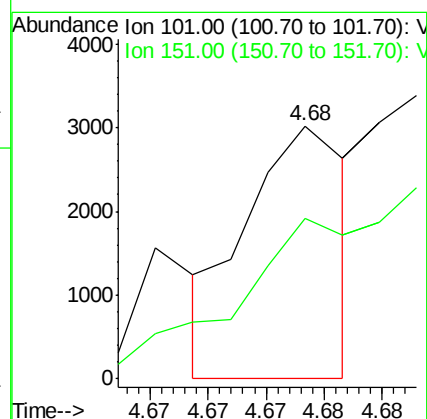
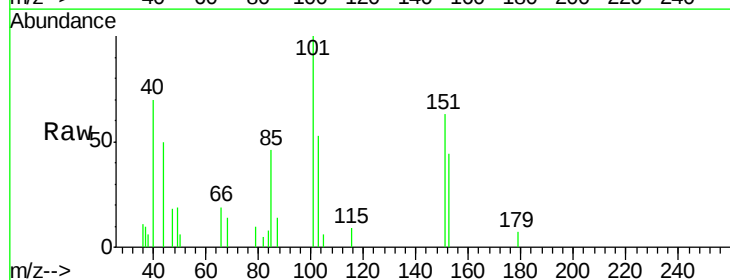
Acq: 23 Jan 2018 5:04

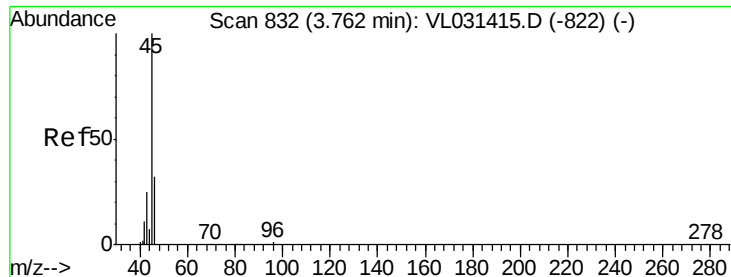
Tgt Ion:101 Resp: 1840

Ion Ratio Lower Upper

101 100

151 0.0 58.1 87.1#





#13

Ethanol

Concen: 0.01 ppbv

RT: 3.78 min Scan# 837

Delta R.T. 0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

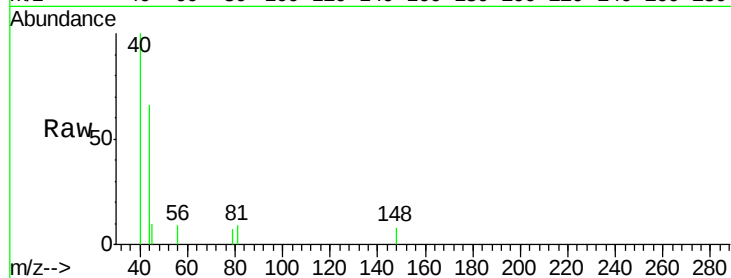
MDL-AIR-6

Tgt Ion: 45 Resp: 128

Ion Ratio Lower Upper

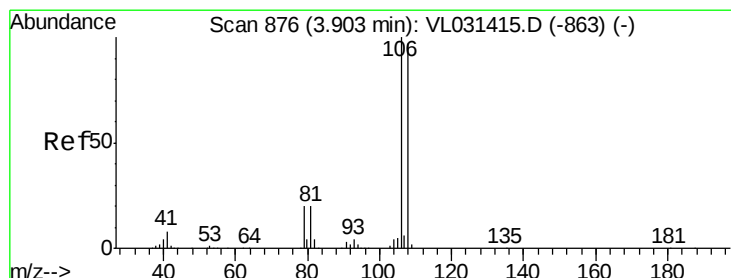
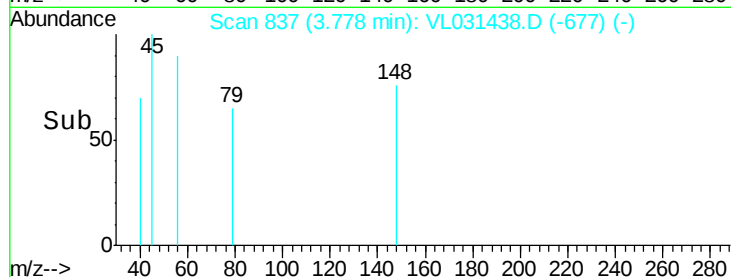
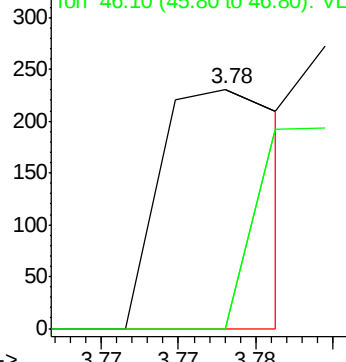
45 100

46 0.0 14.9 59.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.02 ppbv

RT: 3.91 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

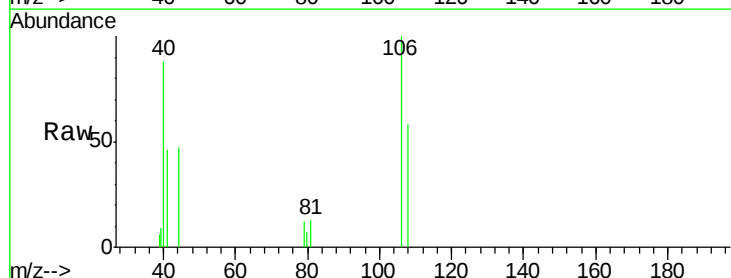
Tgt Ion: 108 Resp: 1017

Ion Ratio Lower Upper

108 100

106 191.3 85.3 127.9#

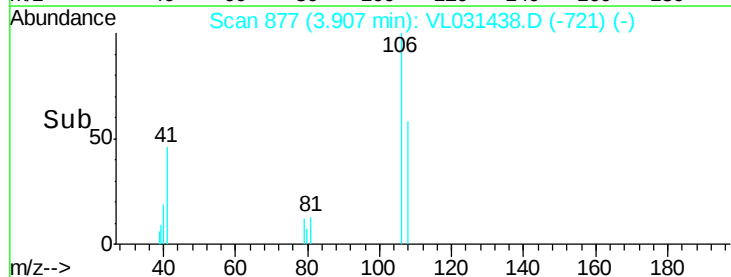
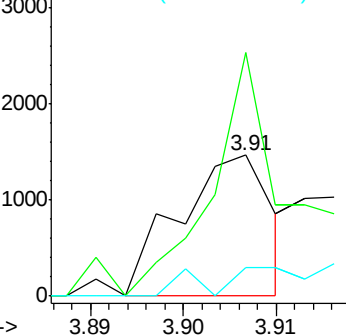
79 0.0 16.8 25.2#

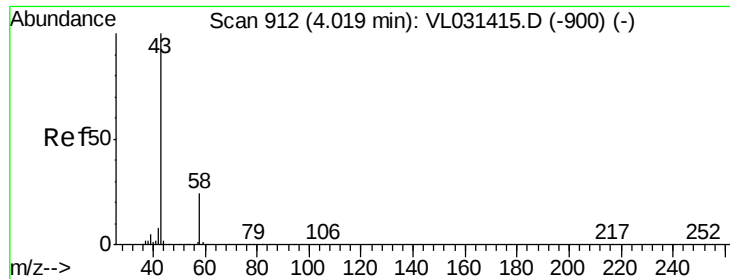


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.04 ppbv

RT: 4.05 min Scan# 923

Delta R.T. 0.03 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

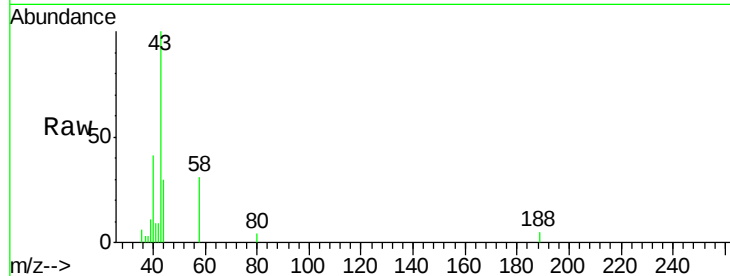
MDL-AIR-6

Tgt Ion: 43 Resp: 6550

Ion Ratio Lower Upper

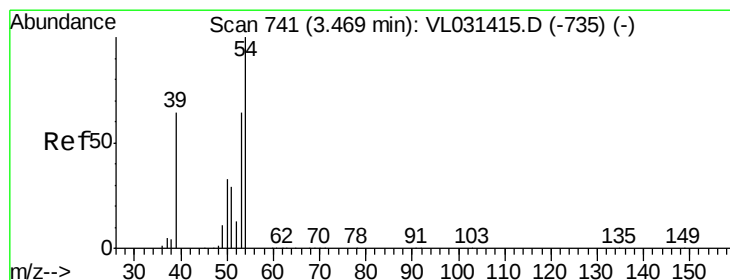
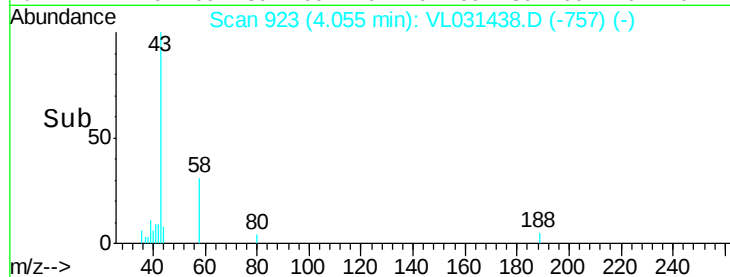
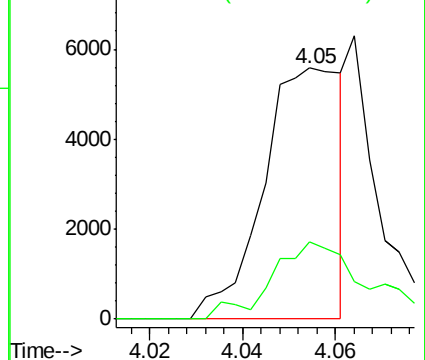
43 100

58 40.6 19.4 29.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.01 ppbv

RT: 3.47 min Scan# 741

Delta R.T. -0.00 min

Lab File: VL031438.D

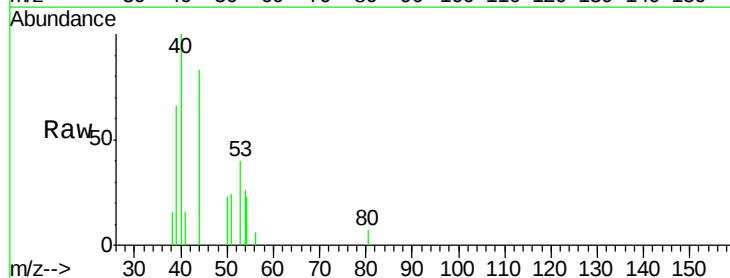
Acq: 23 Jan 2018 5:04

Tgt Ion: 39 Resp: 882

Ion Ratio Lower Upper

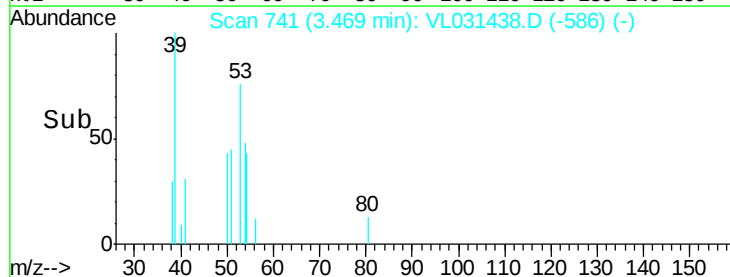
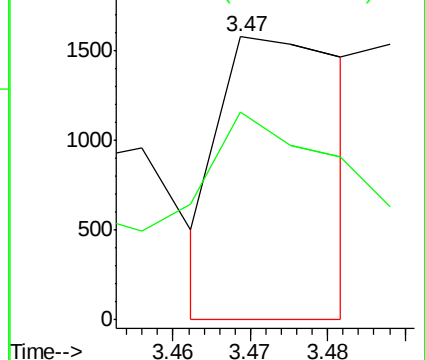
39 100

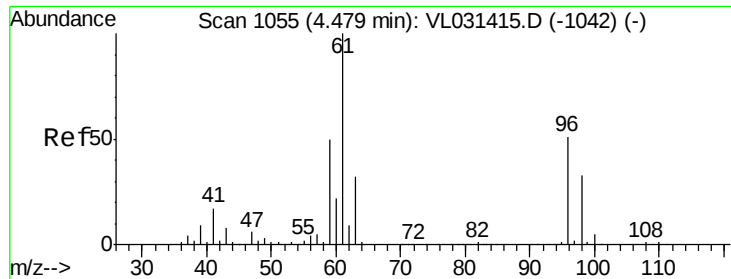
54 193.2 67.0 100.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

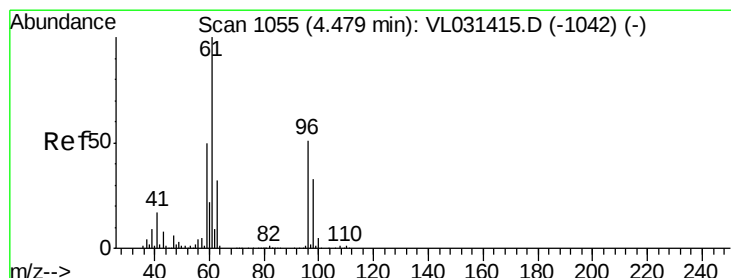
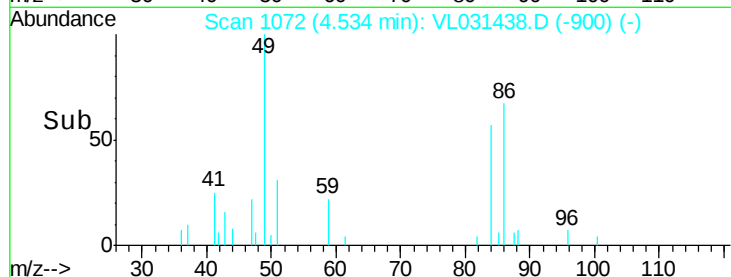
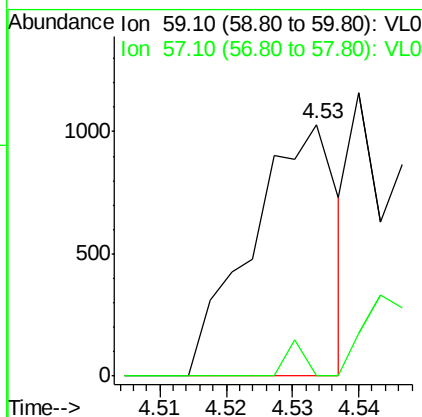
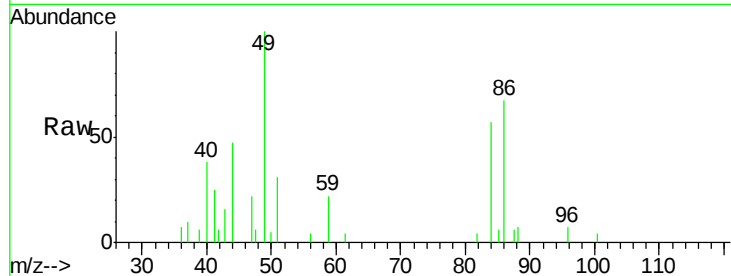




#17
 tert-Butyl alcohol
 Concen: 0.01 ppbv
 RT: 4.53 min Scan# 1072
 Delta R.T. 0.05 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

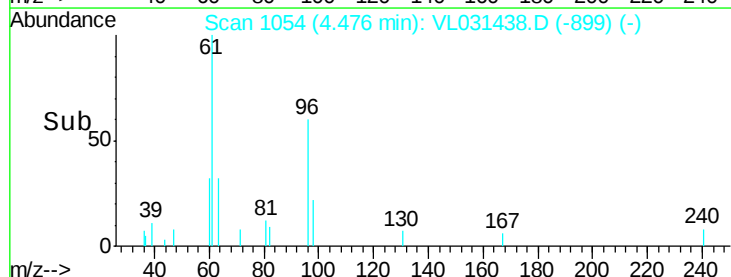
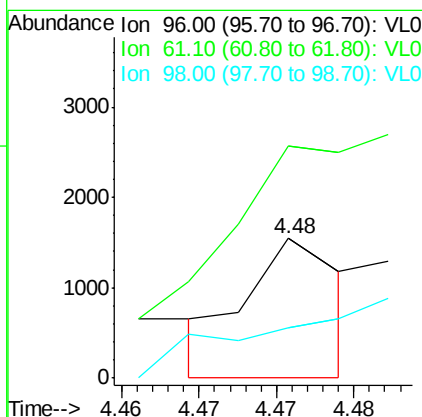
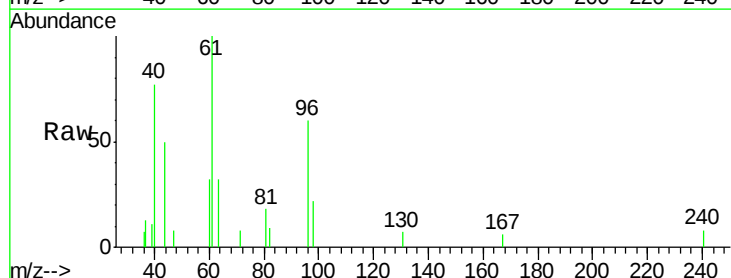
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

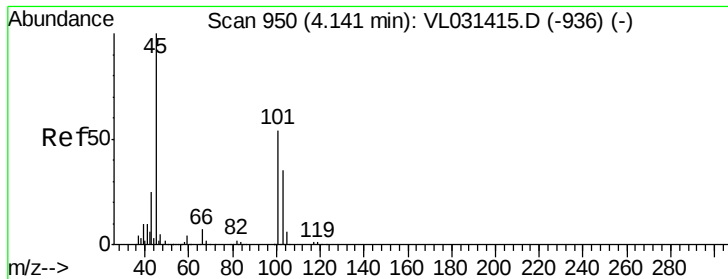
Tgt Ion: 59 Resp: 919
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#



#18
 1,1-Dichloroethene
 Concen: 0.01 ppbv
 RT: 4.48 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

Tgt Ion: 96 Resp: 667
 Ion Ratio Lower Upper
 96 100
 61 168.7 161.6 242.4
 98 8.0 49.6 74.4#





#19

Isopropyl Alcohol

Concen: 0.00 ppbv

RT: 4.16 min Scan# 957

Delta R.T. 0.02 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

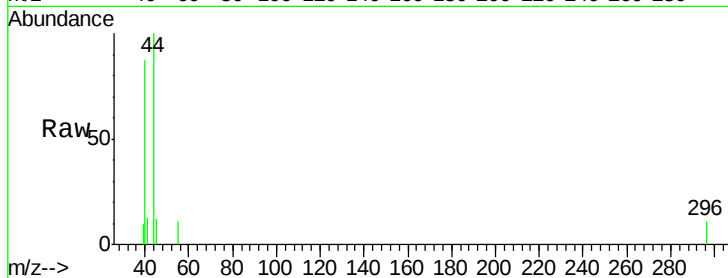
MDL-AIR-6

Tgt Ion: 45 Resp: 100

Ion Ratio Lower Upper

45 100

58 2657.0 1.0 1.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

400

300

200

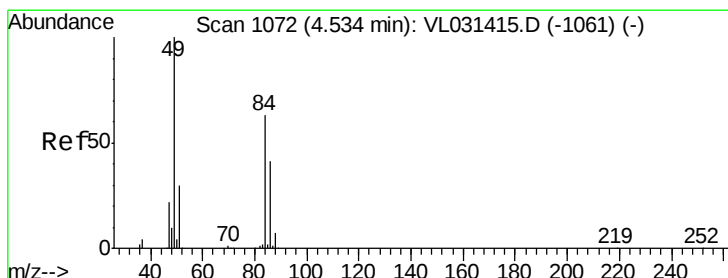
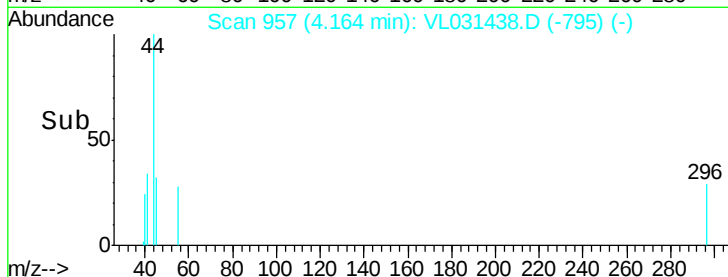
100

0

4.16

4.17

Time-->



#20

Methylene Chloride

Concen: 0.10 ppbv

RT: 4.54 min Scan# 1075

Delta R.T. 0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Tgt Ion: 84 Resp: 6084

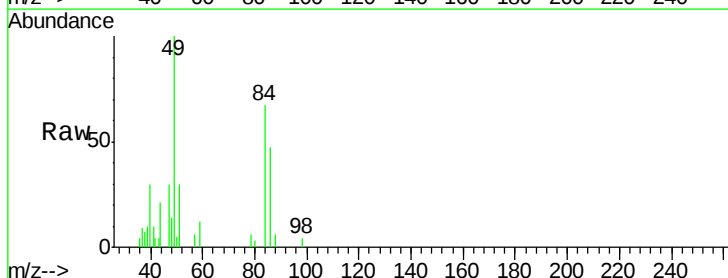
Ion Ratio Lower Upper

84 100

49 149.4 123.4 185.0

51 45.4 35.6 53.4

86 70.6 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

10000

8000

6000

4000

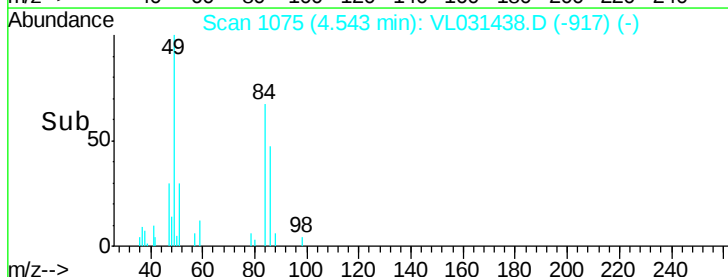
2000

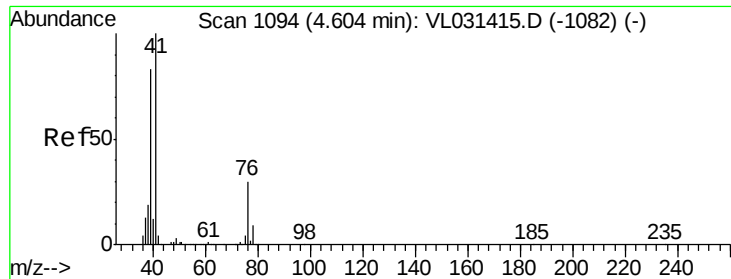
0

4.50

4.55

Time-->

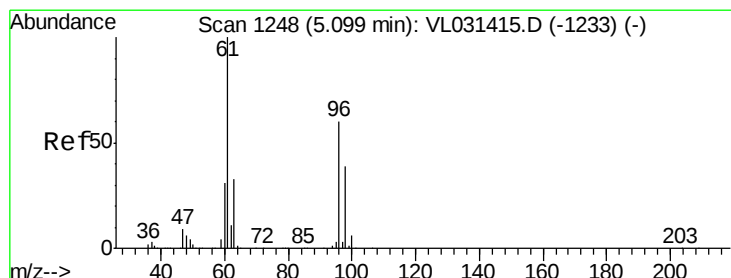
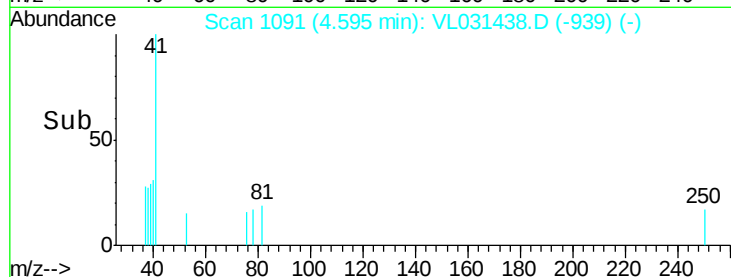
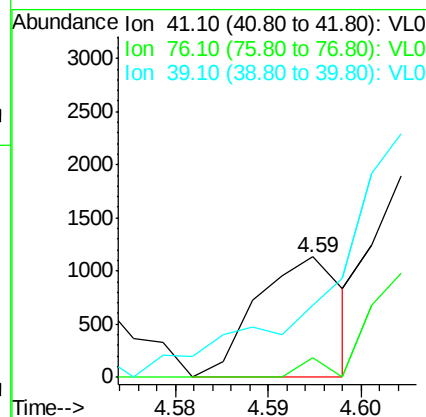
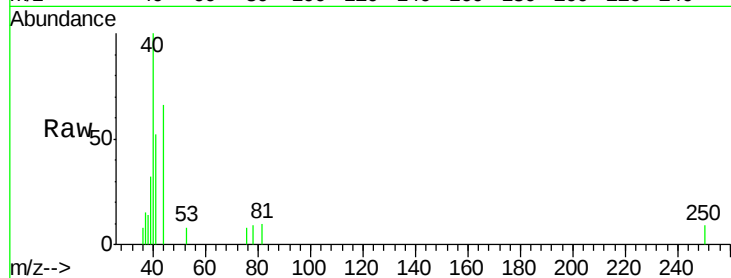




#21
 Allyl Chloride
 Concen: 0.01 ppbv
 RT: 4.59 min Scan# 1091
 Delta R.T. -0.01 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

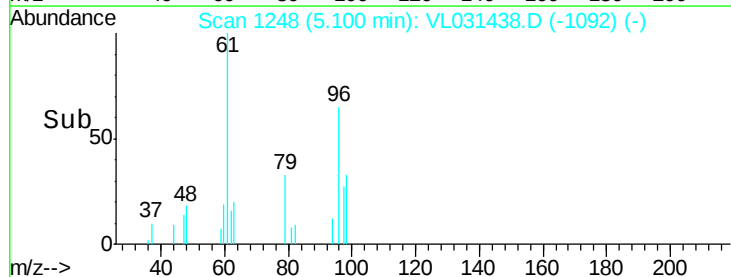
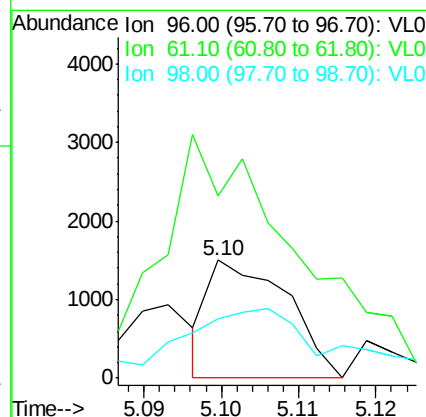
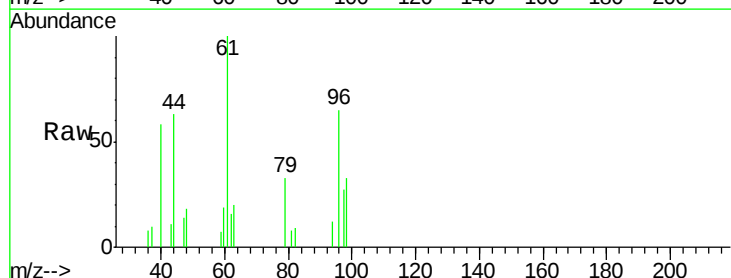
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

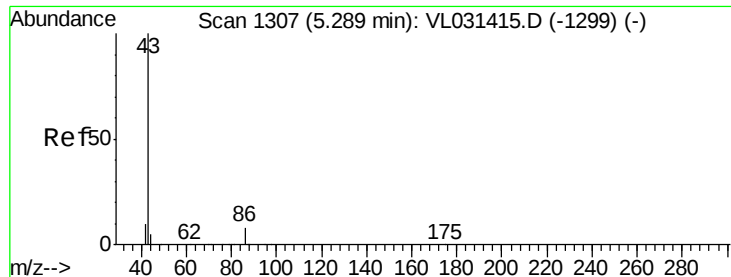
Tgt Ion: 41 Resp: 733
 Ion Ratio Lower Upper
 41 100
 76 110.9 24.2 36.2#
 39 489.8 69.8 104.8#



#22
 trans-1,2-Dichloroethene
 Concen: 0.02 ppbv
 RT: 5.10 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

Tgt Ion: 96 Resp: 1057
 Ion Ratio Lower Upper
 96 100
 61 70.3 135.0 202.4#
 98 23.4 52.2 78.2#





#23

Vinyl Acetate

Concen: 0.01 ppbv

RT: 5.29 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

Tgt Ion: 43 Resp: 1775

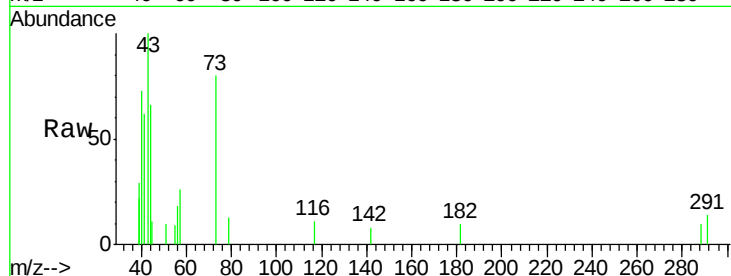
Ion Ratio Lower Upper

43 100

86 0.0 5.6 8.4#

42 0.0 8.6 12.8#

44 36.7 4.2 6.4#

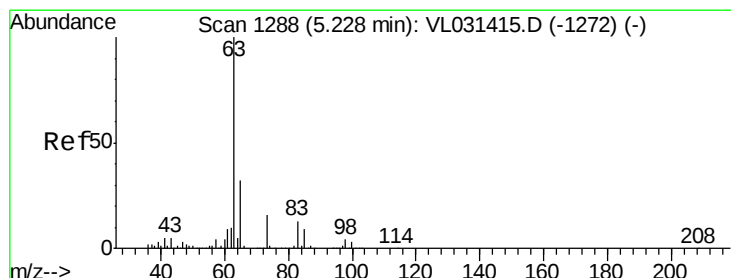
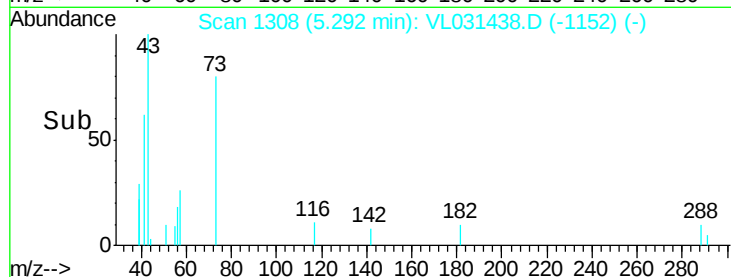
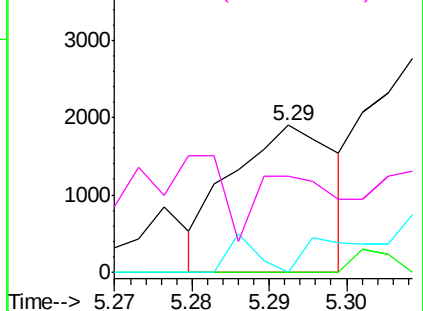


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.02 ppbv

RT: 5.23 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

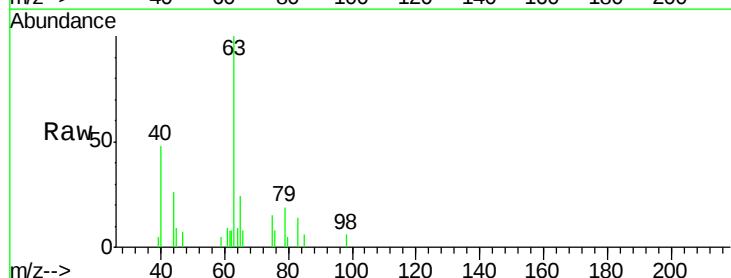
Tgt Ion: 63 Resp: 4072

Ion Ratio Lower Upper

63 100

98 6.3 2.4 7.1

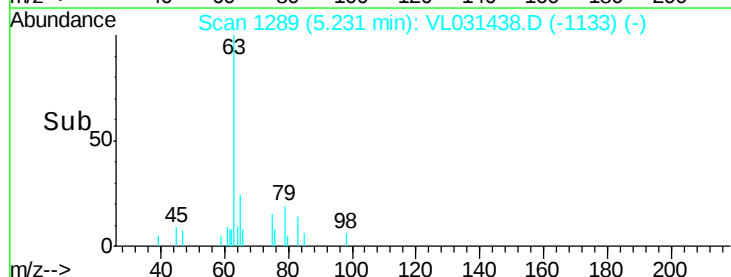
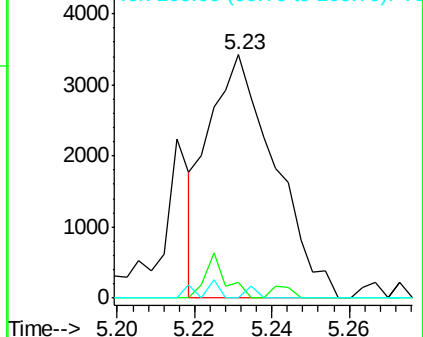
100 0.0 1.3 3.9#

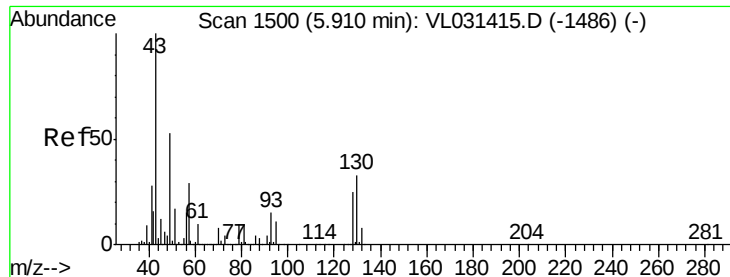


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

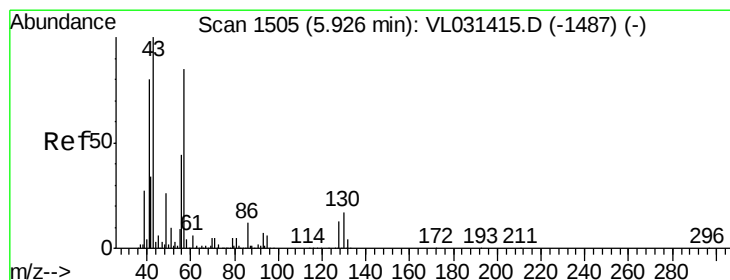
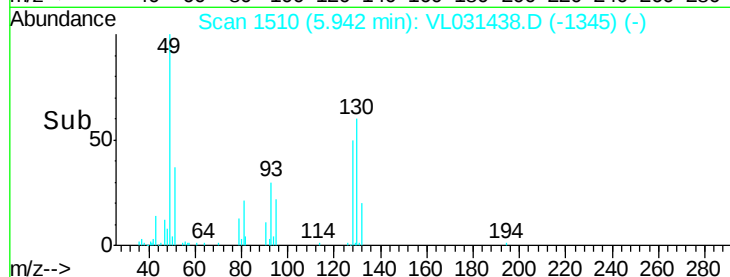
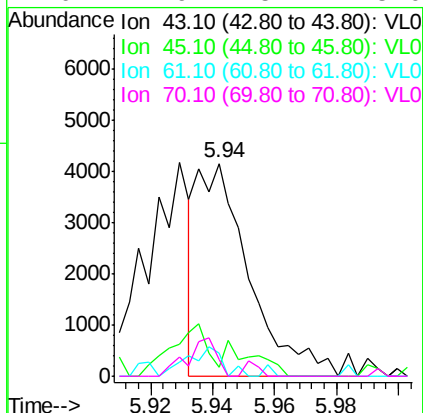
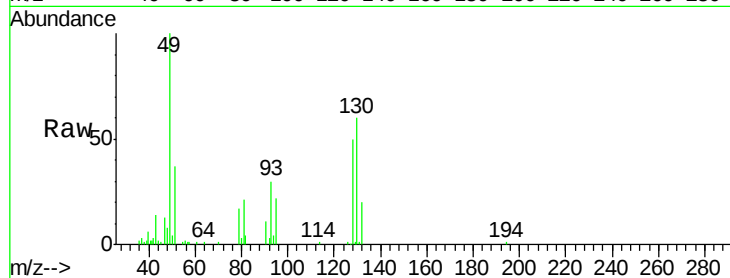




#25
Ethyl Acetate
Concen: 0.02 ppbv
RT: 5.94 min Scan# 1510
Delta R.T. 0.03 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

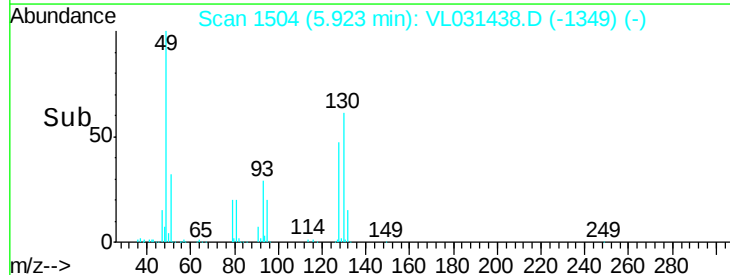
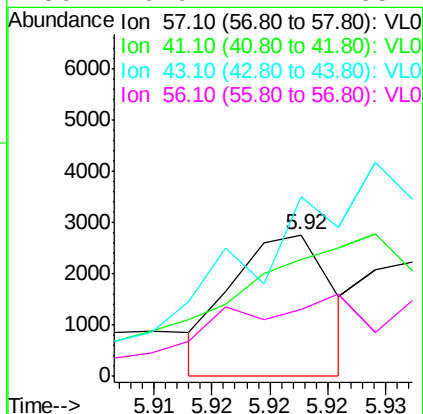
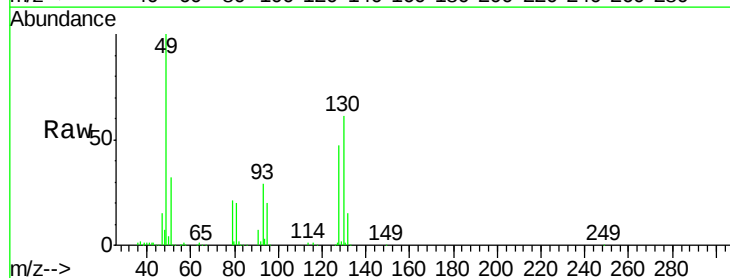
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

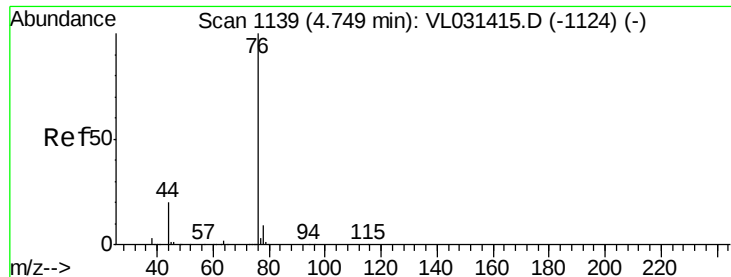
Tgt Ion: 43 Resp: 4854
Ion Ratio Lower Upper
43 100
45 28.7 7.8 11.6#
61 12.2 7.0 10.6#
70 11.9 5.4 8.0#



#26
Hexane
Concen: 0.01 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

Tgt Ion: 57 Resp: 1659
Ion Ratio Lower Upper
57 100
41 0.0 77.1 115.7#
43 0.0 180.7 271.1#
56 0.0 42.2 63.2#





#27

Carbon Disulfide

Concen: 0.03 ppbv

RT: 4.75 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

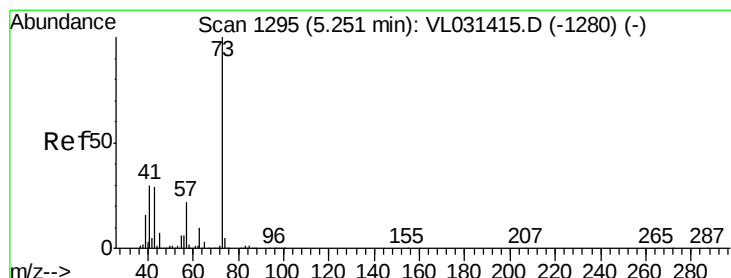
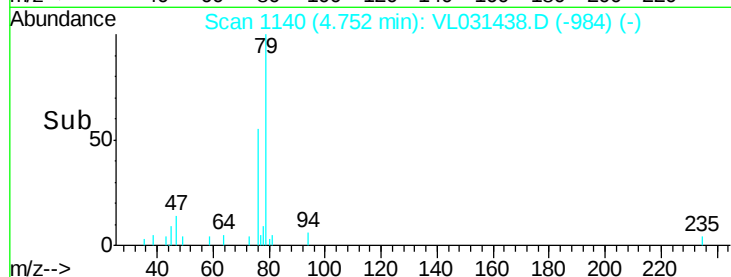
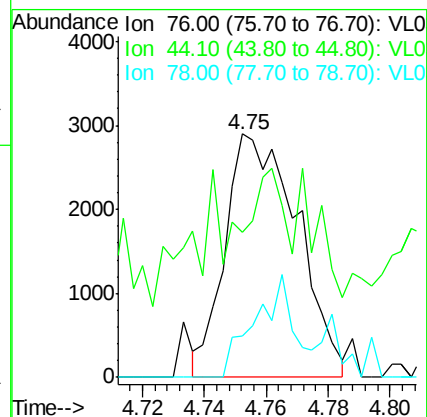
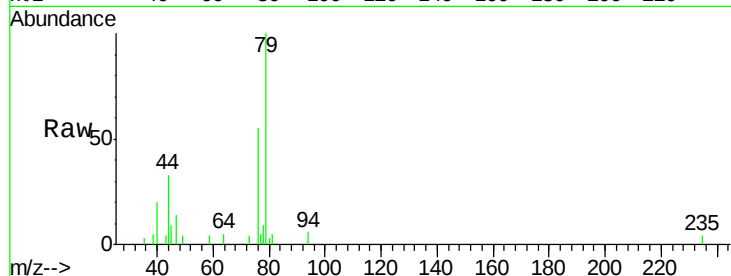
Tgt Ion: 76 Resp: 4695

Ion Ratio Lower Upper

76 100

44 86.6 16.7 25.1#

78 31.6 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 0.01 ppbv

RT: 5.28 min Scan# 1303

Delta R.T. 0.03 min

Lab File: VL031438.D

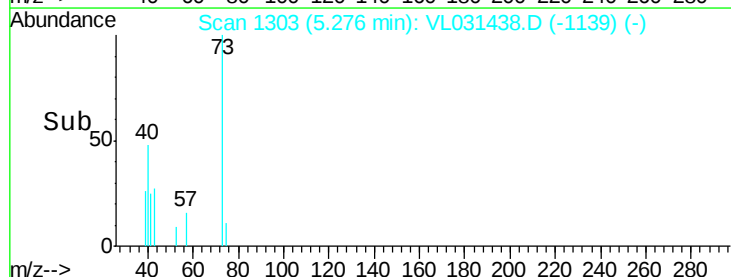
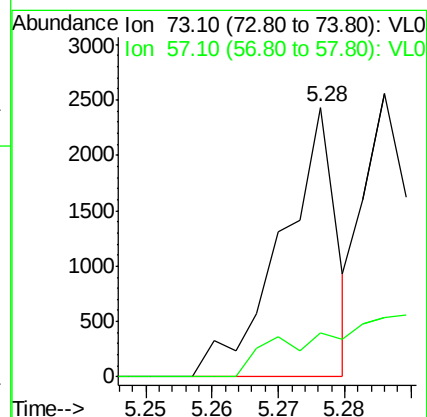
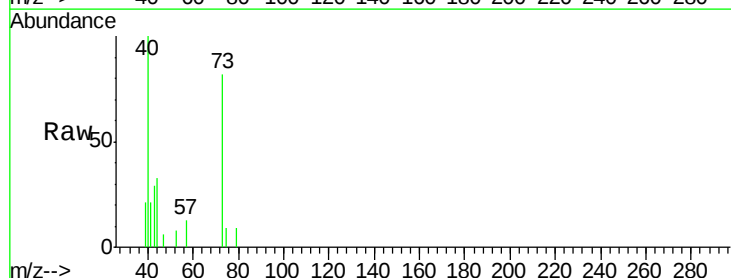
Acq: 23 Jan 2018 5:04

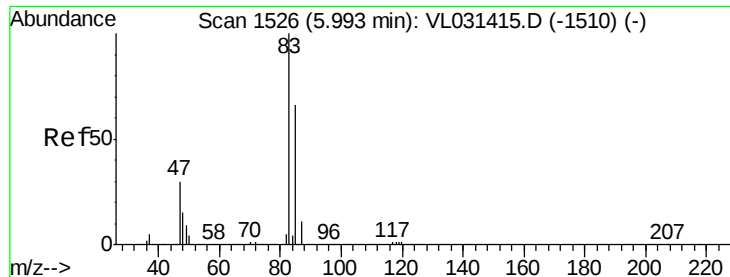
Tgt Ion: 73 Resp: 1394

Ion Ratio Lower Upper

73 100

57 0.0 17.5 26.3#





#29

Chloroform

Concen: 0.03 ppbv

RT: 5.99 min Scan# 1525

Delta R.T. -0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

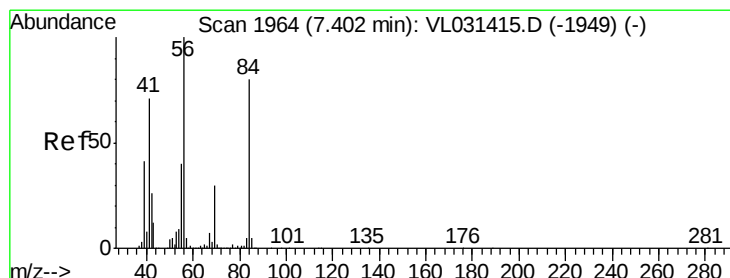
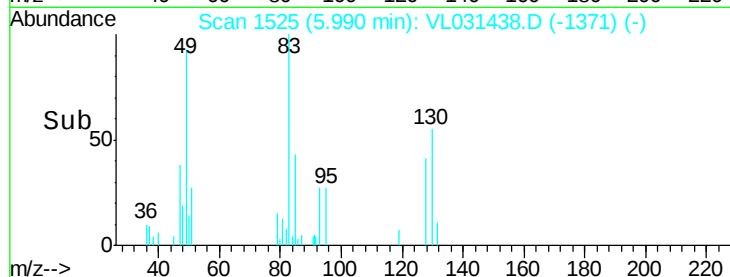
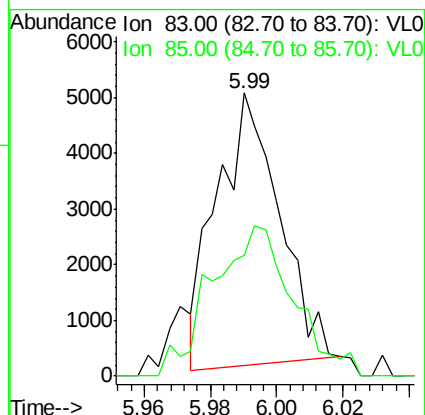
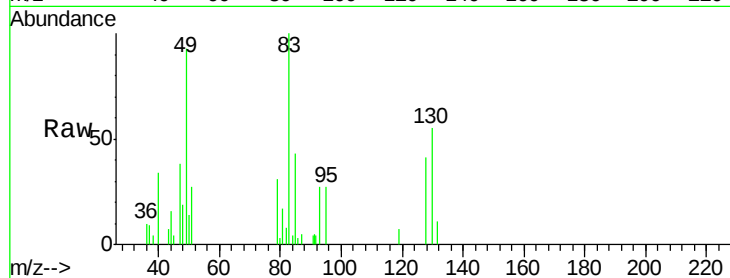
MDL-AIR-6

Tgt Ion: 83 Resp: 6422

Ion Ratio Lower Upper

83 100

85 39.1 51.3 76.9#



#30

Cyclohexane

Concen: 0.01 ppbv

RT: 7.40 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

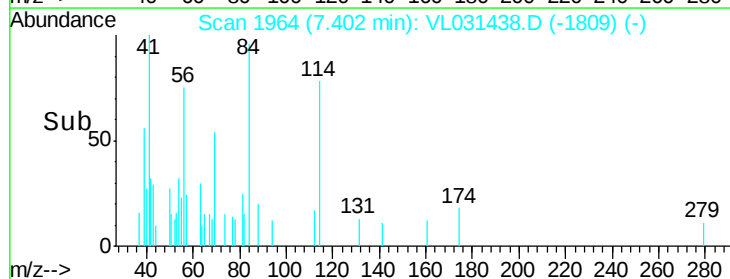
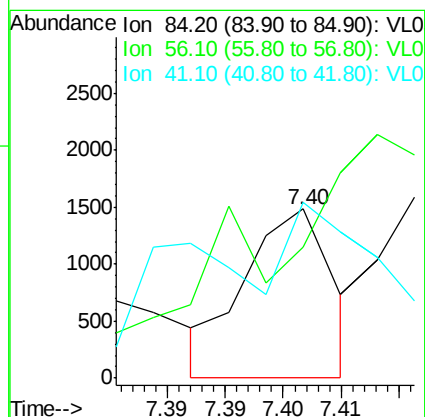
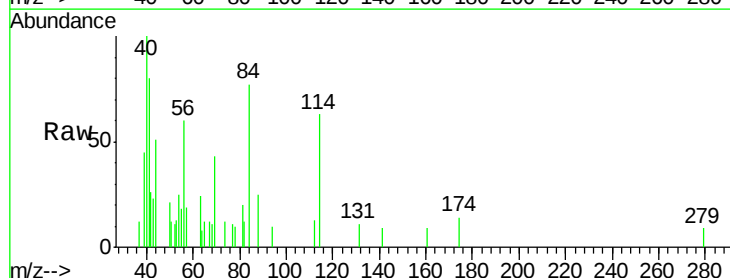
Tgt Ion: 84 Resp: 780

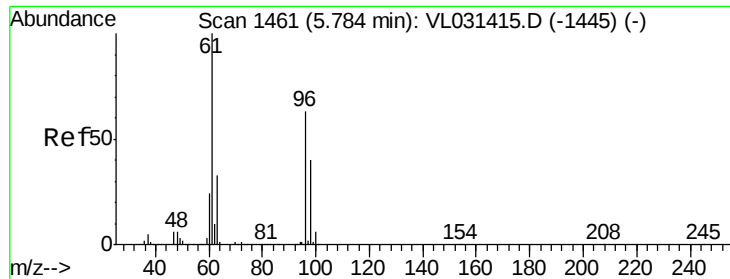
Ion Ratio Lower Upper

84 100

56 0.0 109.0 163.4#

41 406.7 73.3 109.9#





#31

cis-1,2-Dichloroethene

Concen: 0.02 ppbv

RT: 5.78 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

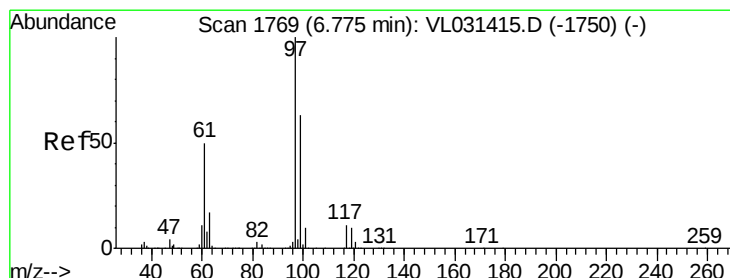
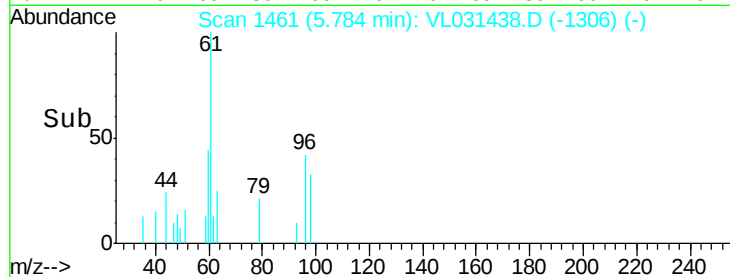
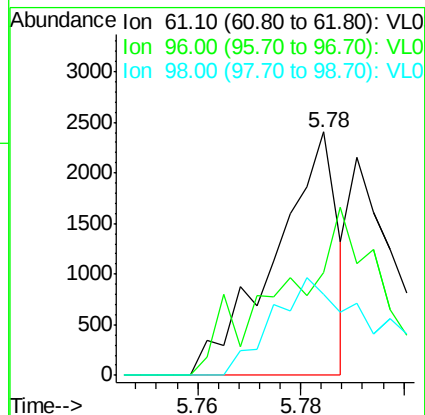
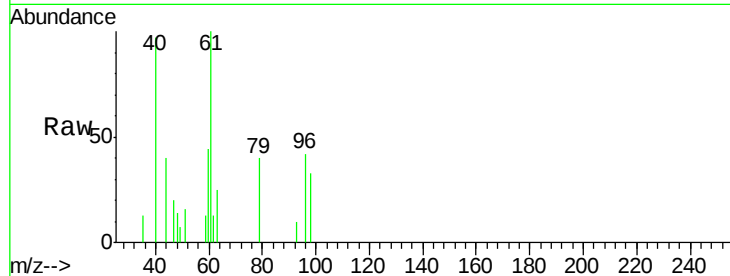
Tgt Ion: 61 Resp: 2027

Ion Ratio Lower Upper

61 100

96 37.1 51.3 76.9#

98 29.5 33.6 50.4#



#32

1,1,1-Trichloroethane

Concen: 0.01 ppbv

RT: 6.77 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

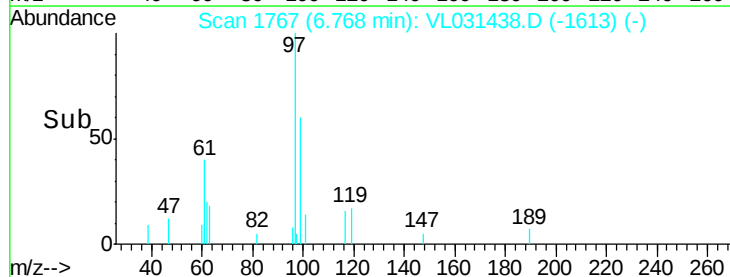
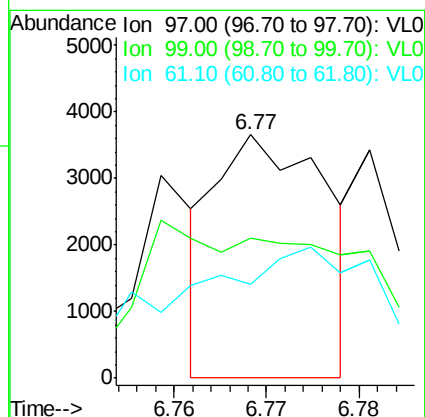
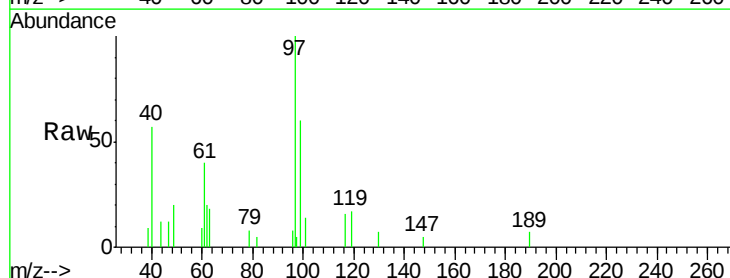
Tgt Ion: 97 Resp: 3031

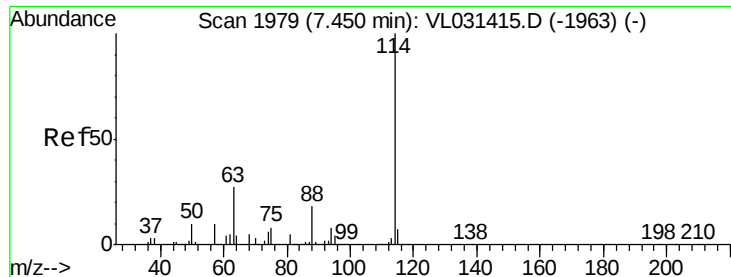
Ion Ratio Lower Upper

97 100

99 0.0 51.9 77.9#

61 0.0 40.6 61.0#

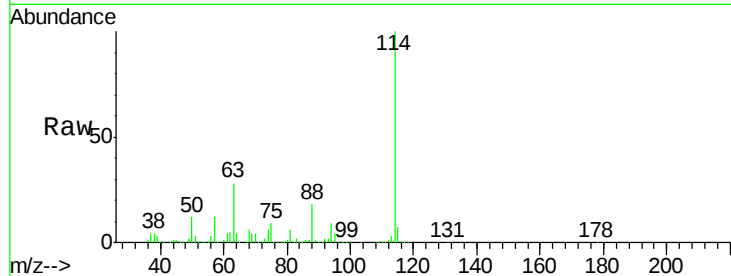




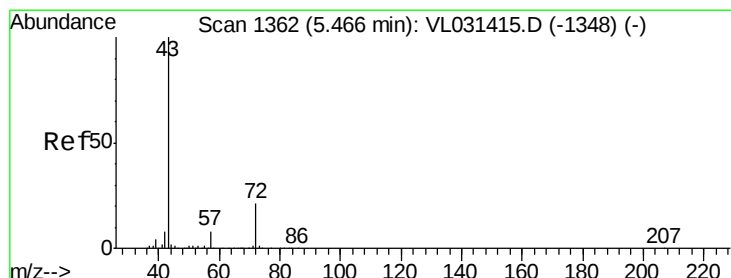
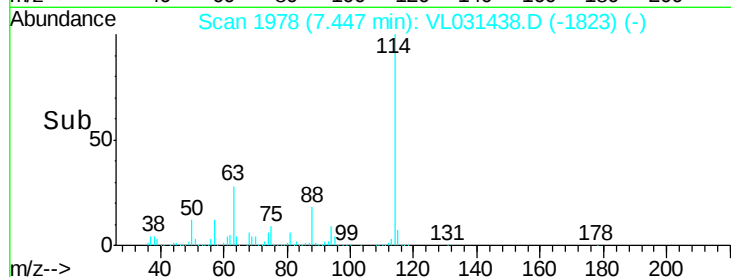
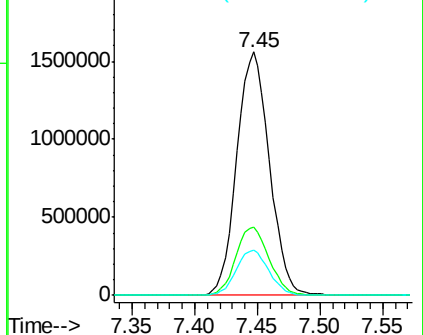
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1978
 Delta R.T. -0.00 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Tgt Ion:114 Resp: 2827346
 Ion Ratio Lower Upper
 114 100
 63 28.5 22.5 33.7
 88 18.7 14.6 22.0

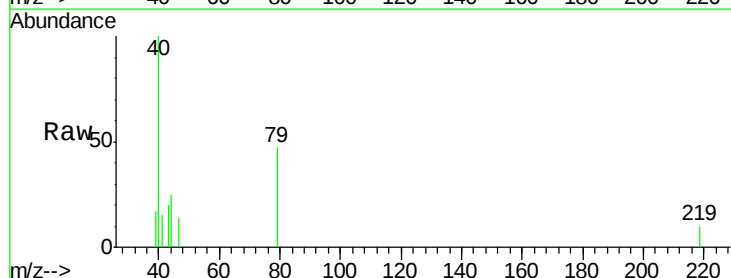


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

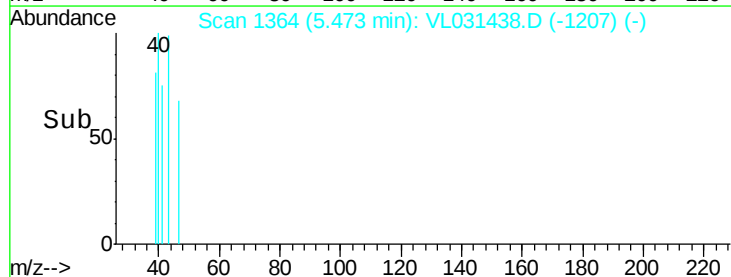
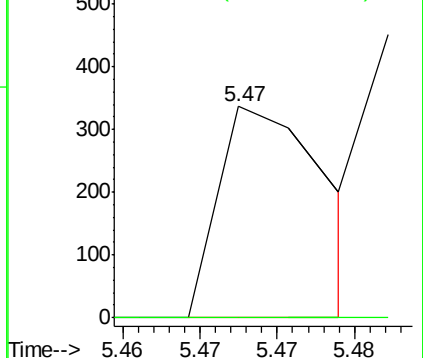


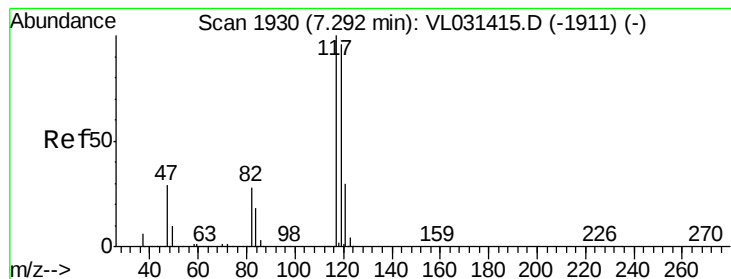
#34
 2-Butanone
 Concen: 0.00 ppbv
 RT: 5.47 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

Tgt Ion: 43 Resp: 162
 Ion Ratio Lower Upper
 43 100
 72 0.0 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: 0.02 ppbv

RT: 7.29 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

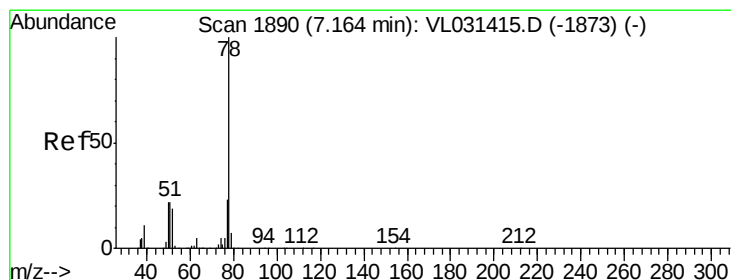
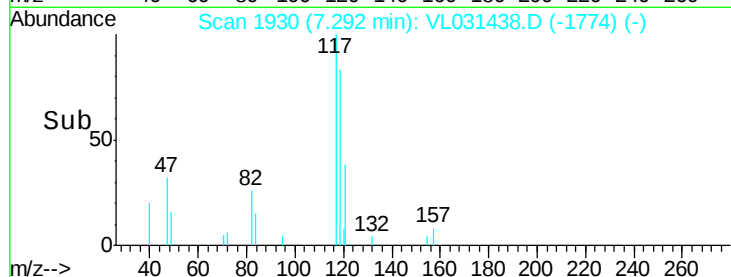
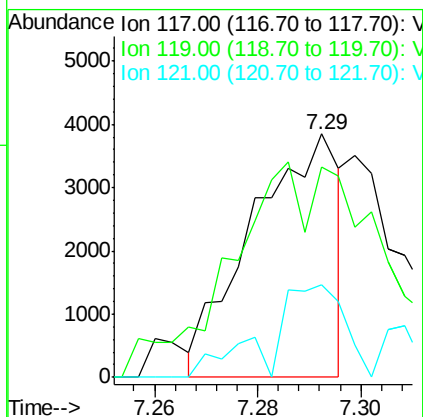
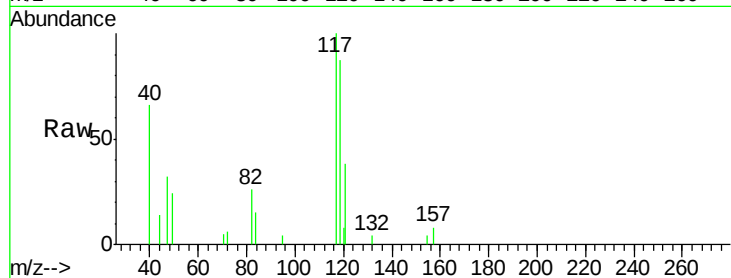
Tgt Ion:117 Resp: 4511

Ion Ratio Lower Upper

117 100

119 73.5 74.2 111.4#

121 42.2 24.2 36.4#



#36

Benzene

Concen: 0.01 ppbv

RT: 7.16 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

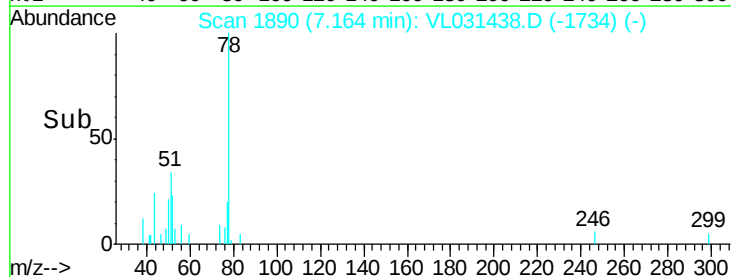
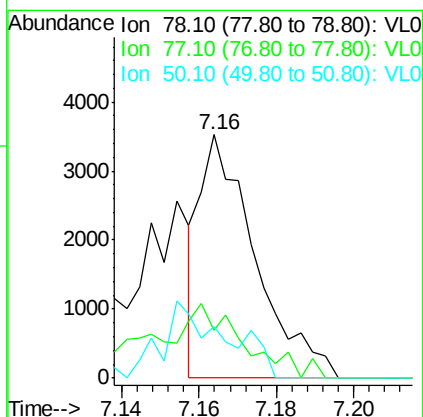
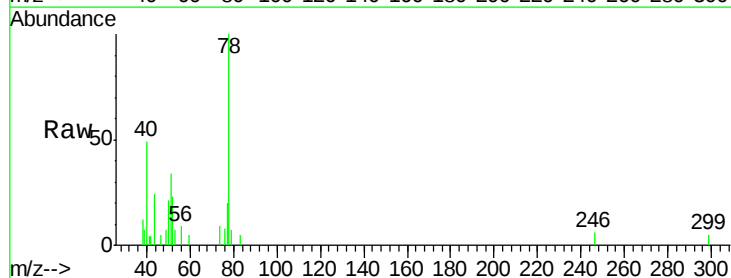
Tgt Ion: 78 Resp: 3483

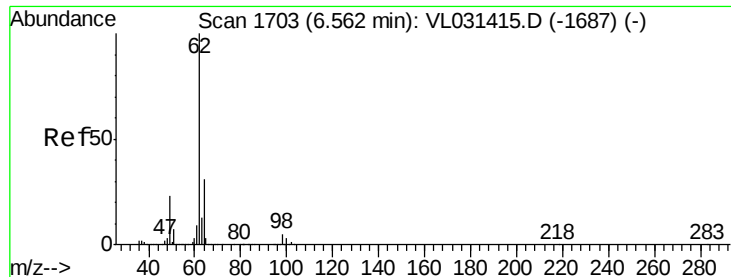
Ion Ratio Lower Upper

78 100

77 19.8 18.7 28.1

50 21.4 18.4 27.6





#37

1,2-Dichloroethane

Concen: 0.01 ppbv

RT: 6.56 min Scan# 1703

Delta R.T. -0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

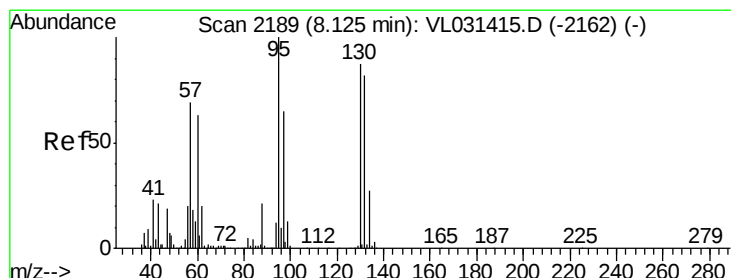
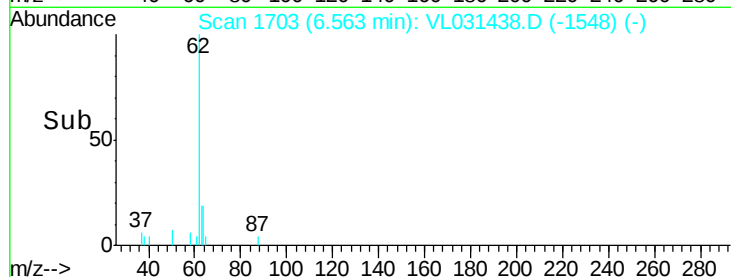
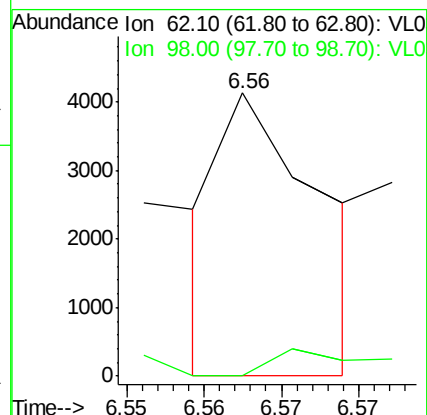
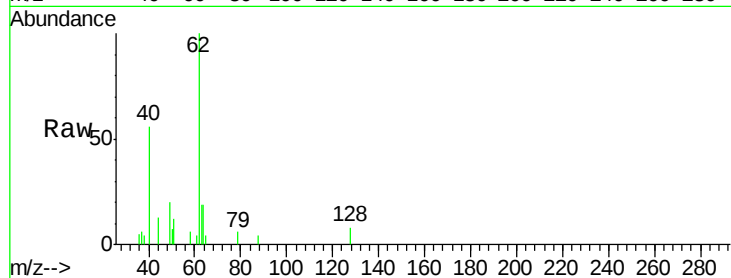
MDL-AIR-6

Tgt Ion: 62 Resp: 1844

Ion Ratio Lower Upper

62 100

98 19.9 4.1 6.1#



#38

Trichloroethene

Concen: 0.00 ppbv

RT: 8.12 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Tgt Ion: 130 Resp: 290

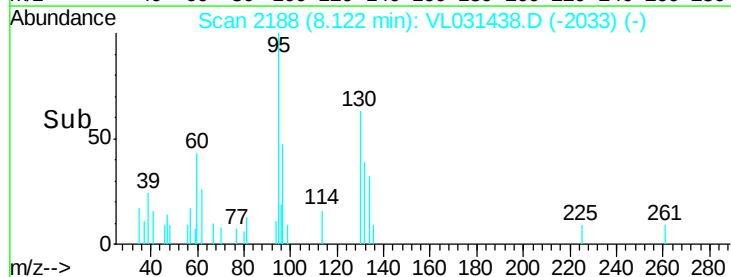
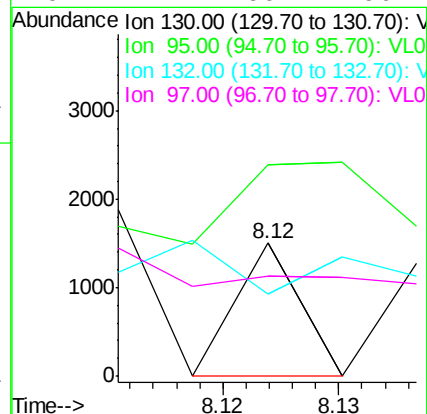
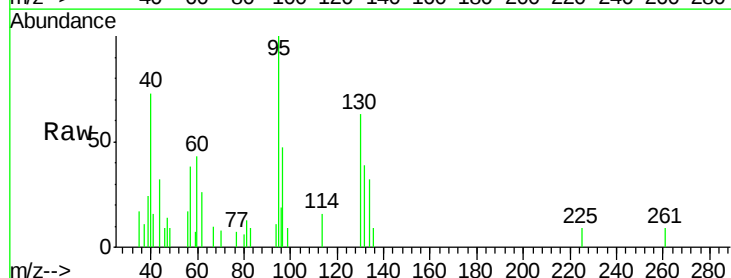
Ion Ratio Lower Upper

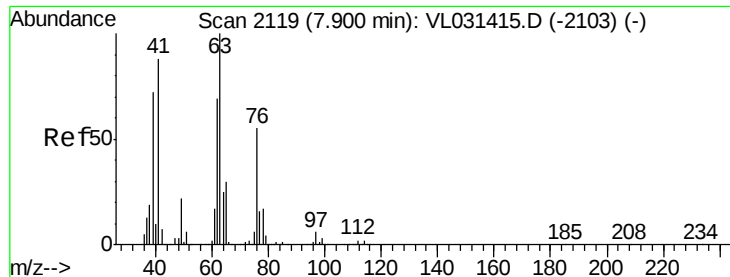
130 100

95 59.9 92.9 139.3#

132 0.0 74.9 112.3#

97 7.7 60.2 90.4#





#39

1,2-Dichloropropane

Concen: 8.47 ppbv

RT: 7.45 min Scan# 1978

Delta R.T. -0.45 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

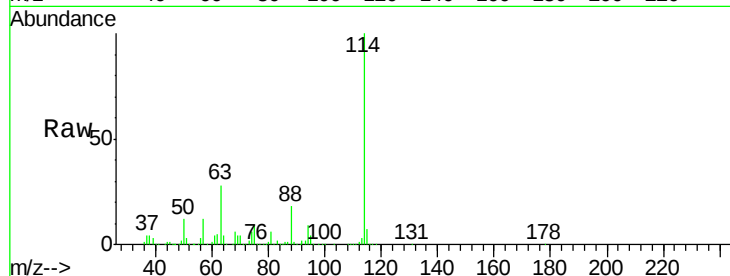
Tgt Ion: 63 Resp: 799644

Ion Ratio Lower Upper

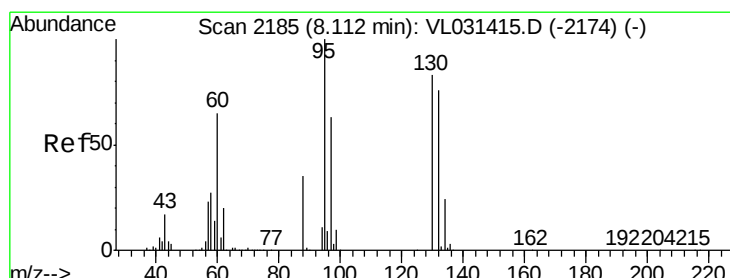
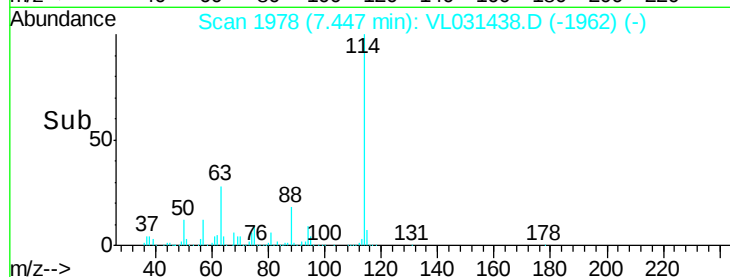
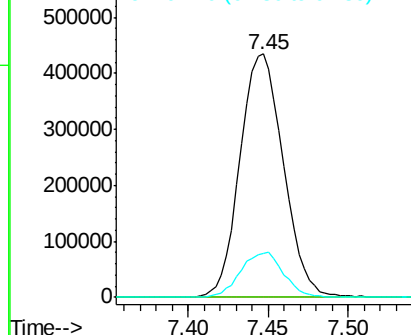
63 100

41 0.0 67.6 101.4#

62 17.9 51.8 77.6#



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: 0.00 ppbv

RT: 8.21 min Scan# 2215

Delta R.T. 0.10 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Tgt Ion: 88 Resp: 33

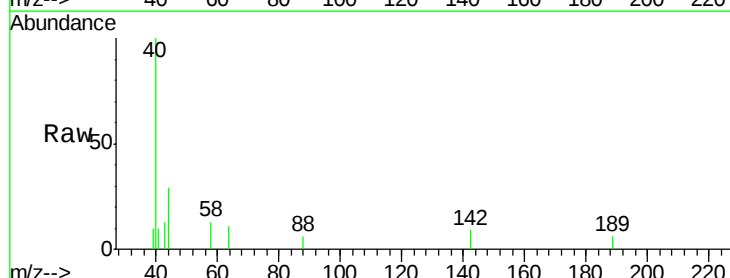
Ion Ratio Lower Upper

88 100

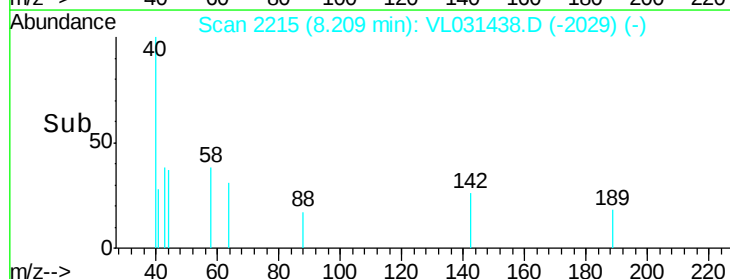
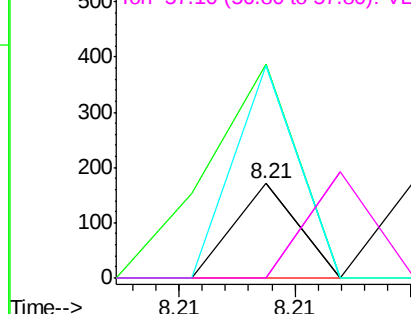
58 1218.2 98.2 147.2#

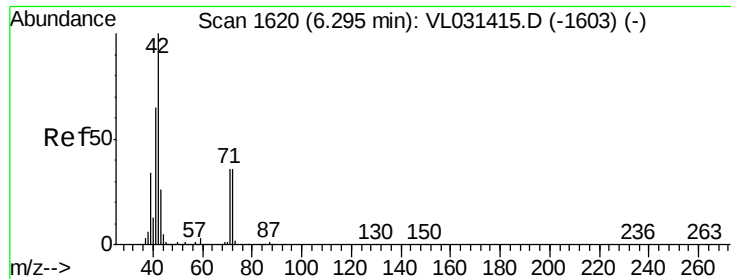
43 472.7 197.3 295.9#

57 0.0 806.0 1209.0#



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

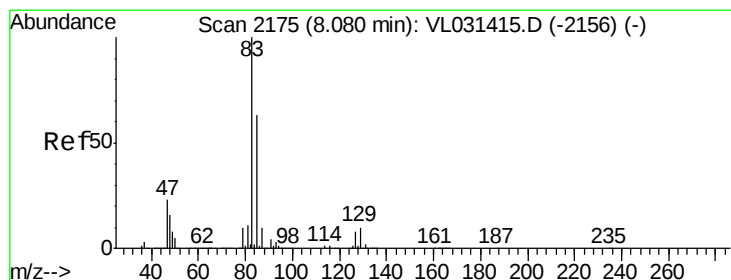
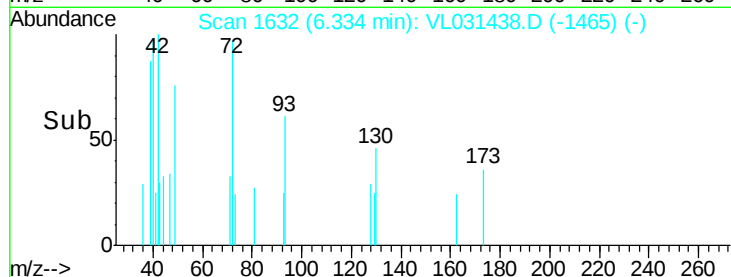
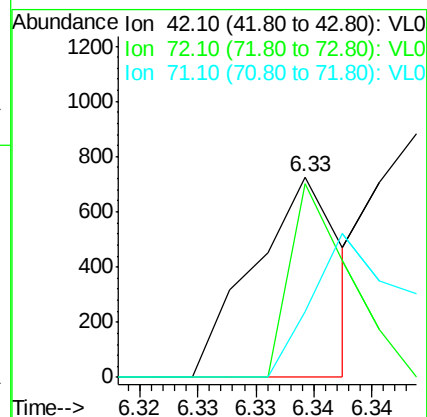
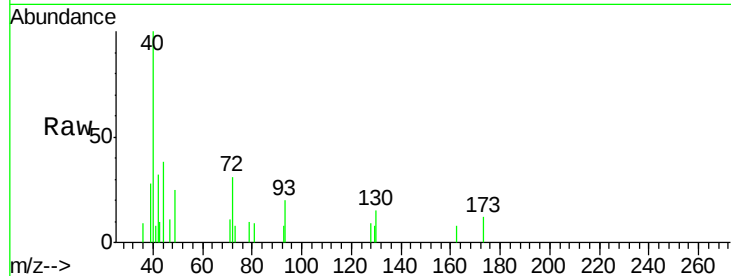




#41
Tetrahydrofuran
Concen: 0.00 ppbv
RT: 6.33 min Scan# 1632
Delta R.T. 0.04 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

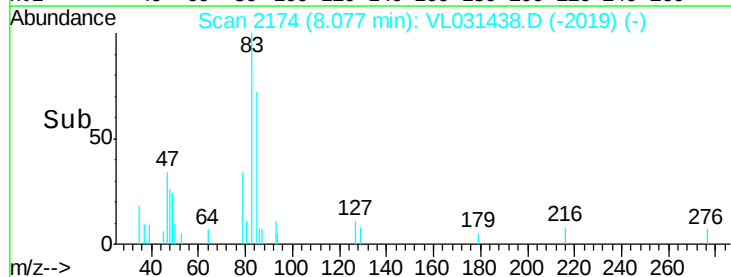
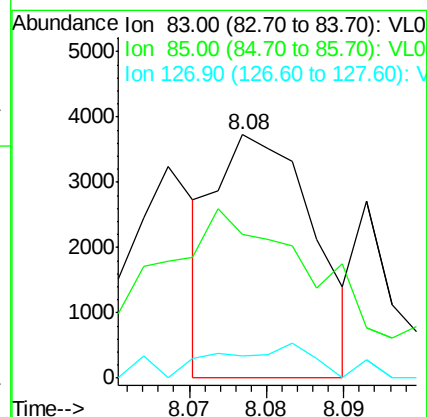
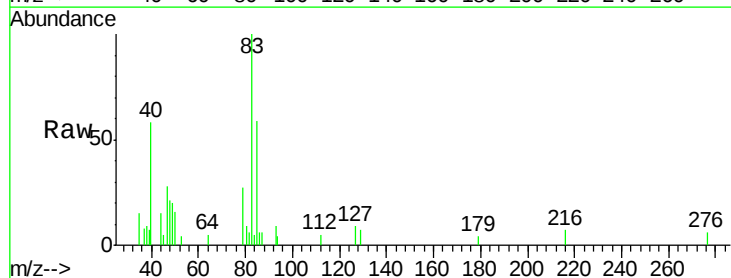
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

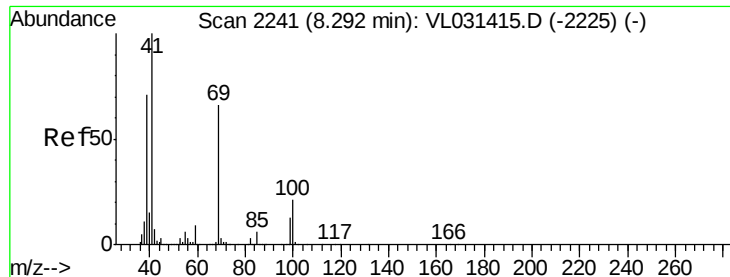
Tgt Ion: 42 Resp: 379
Ion Ratio Lower Upper
42 100
72 102.4 30.4 45.6#
71 0.0 29.2 43.8#



#42
Bromodichloromethane
Concen: 0.01 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

Tgt Ion: 83 Resp: 3274
Ion Ratio Lower Upper
83 100
85 28.5 52.1 78.1#
127 14.8 6.6 10.0#

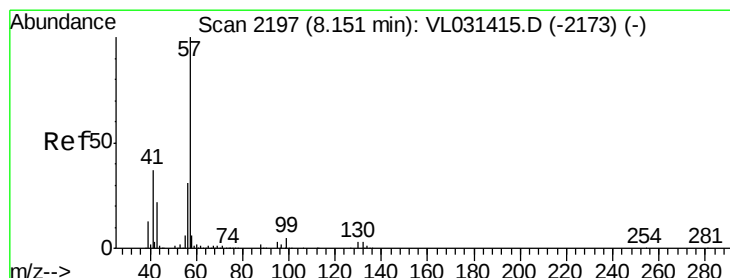
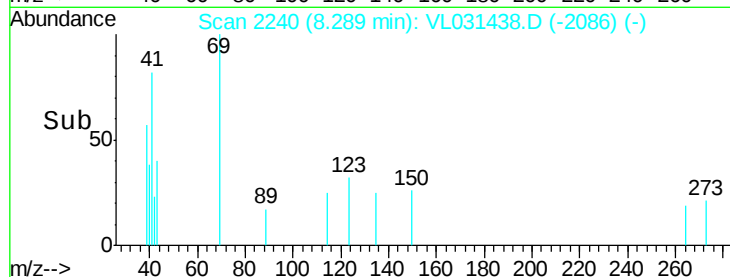
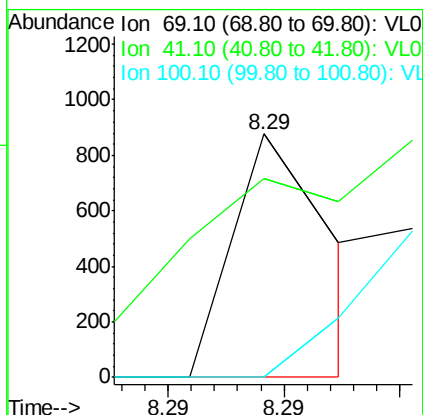
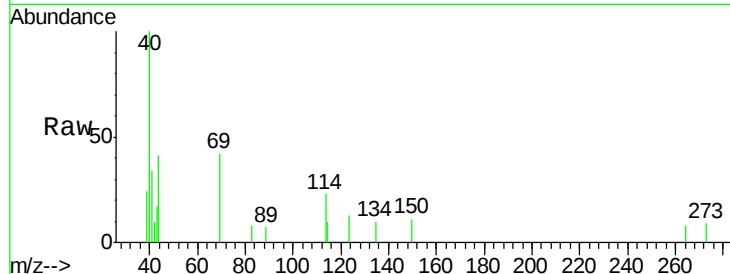




#43
Methyl Methacrylate
Concen: 0.00 ppbv
RT: 8.29 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

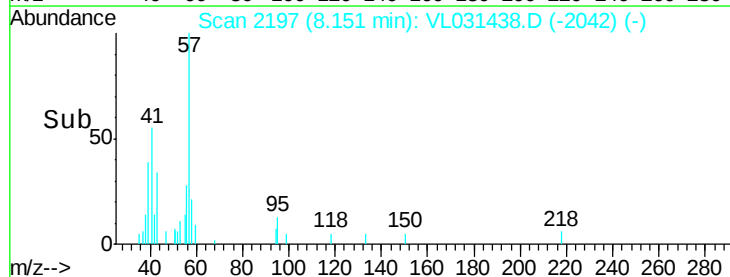
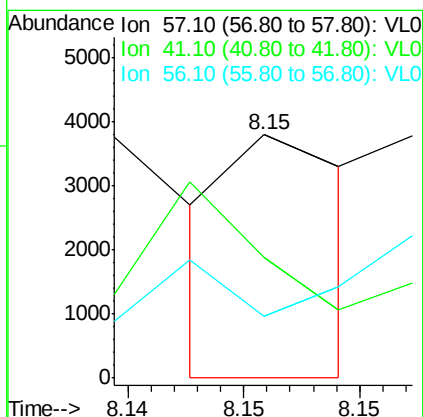
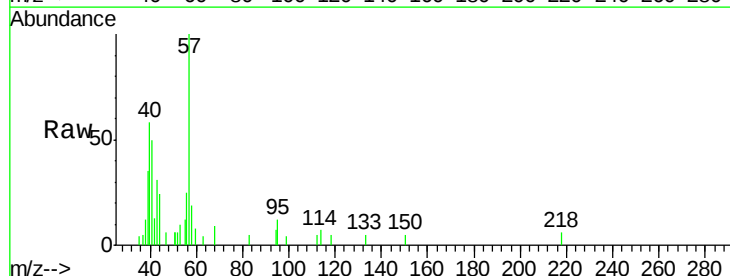
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

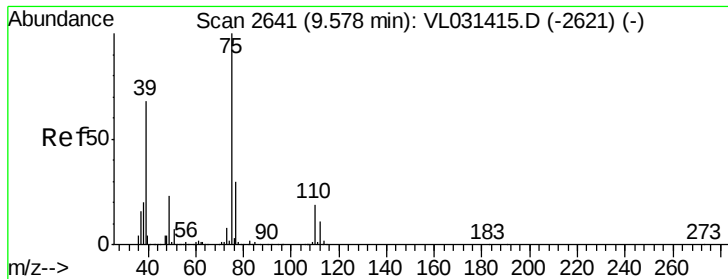
Tgt Ion: 69 Resp: 263
Ion Ratio Lower Upper
69 100
41 0.0 127.0 190.6#
100 0.0 24.6 37.0#



#44
2,2,4-Trimethylpentane
Concen: 0.00 ppbv
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

Tgt Ion: 57 Resp: 1369
Ion Ratio Lower Upper
57 100
41 340.1 28.8 43.2#
56 0.0 24.6 37.0#





#45

t-1,3-Dichloropropene

Concen: 0.01 ppbv

RT: 9.58 min Scan# 2640

Delta R.T. -0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

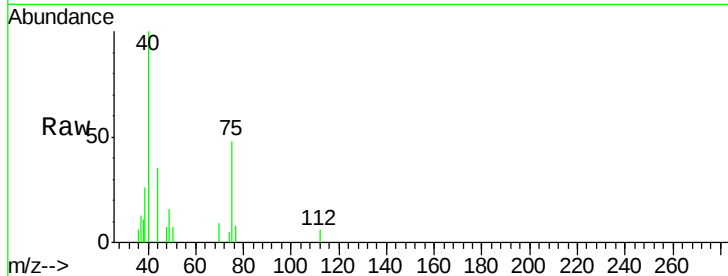
MDL-AIR-6

Tgt Ion: 75 Resp: 1094

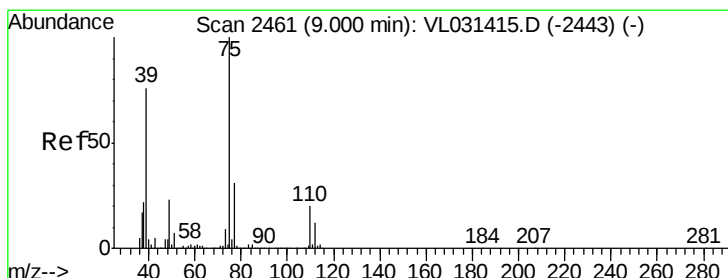
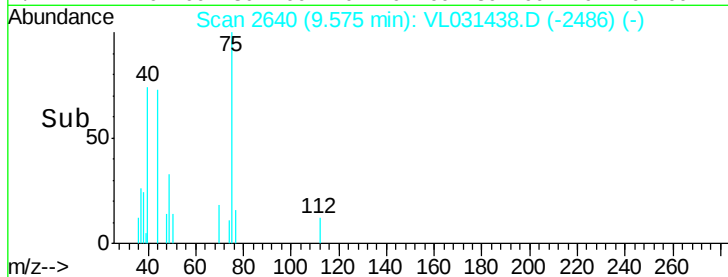
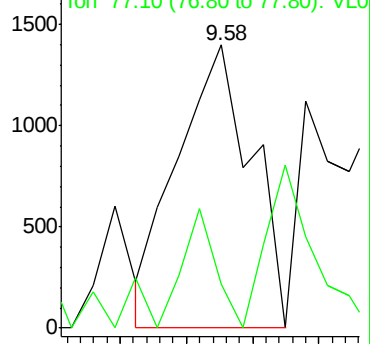
Ion Ratio Lower Upper

75 100

77 15.7 25.3 37.9#



Abundance Ion 75.10 (74.80 to 75.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.01 ppbv

RT: 9.00 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

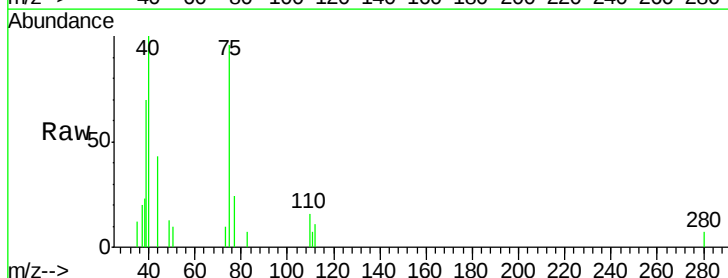
Tgt Ion: 75 Resp: 1087

Ion Ratio Lower Upper

75 100

39 30.9 59.4 89.0#

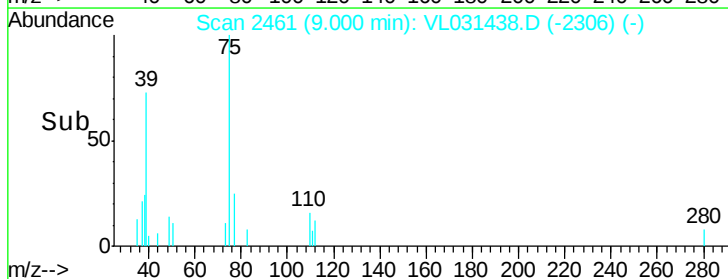
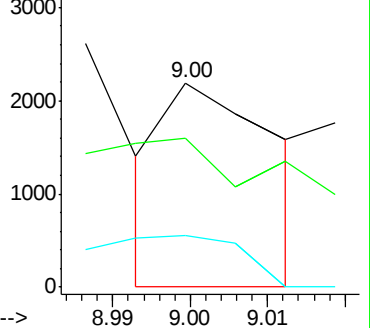
77 69.6 25.0 37.4#

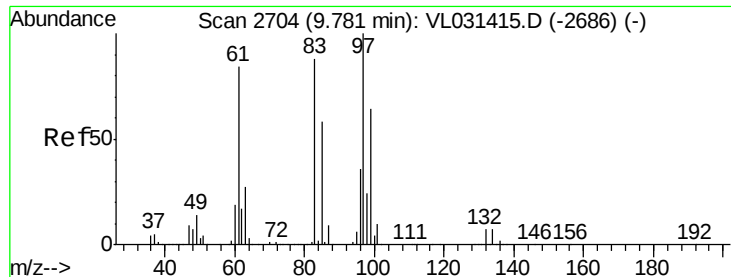


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

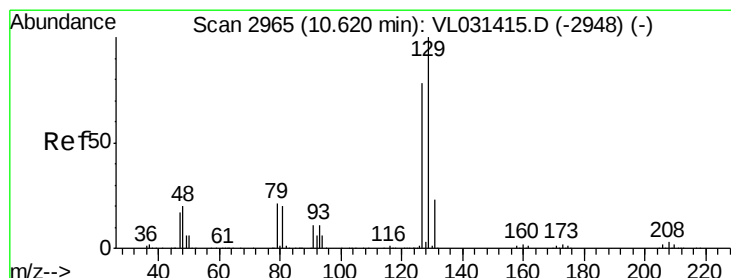
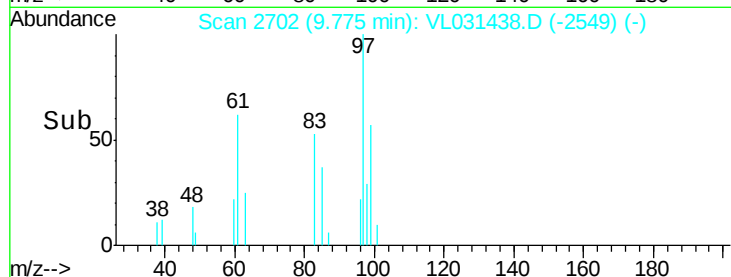
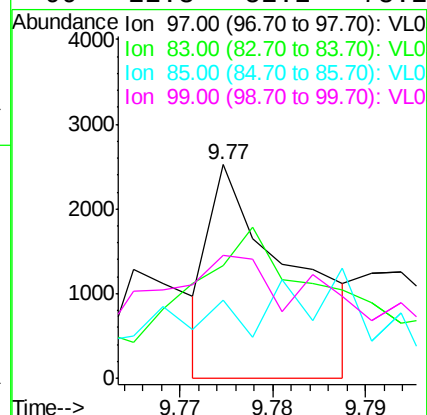
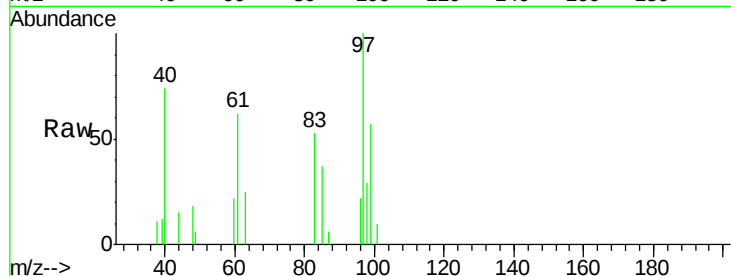




#47
 1,1,2-Trichloroethane
 Concen: 0.01 ppbv
 RT: 9.77 min Scan# 2702
 Delta R.T. -0.01 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

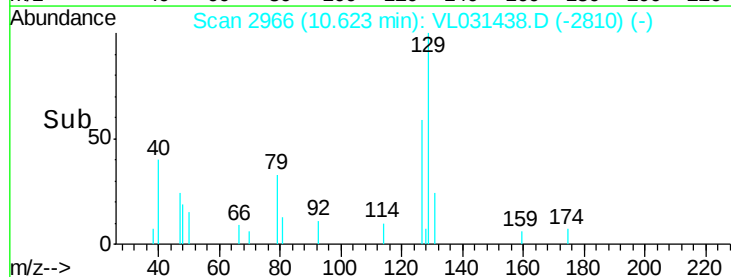
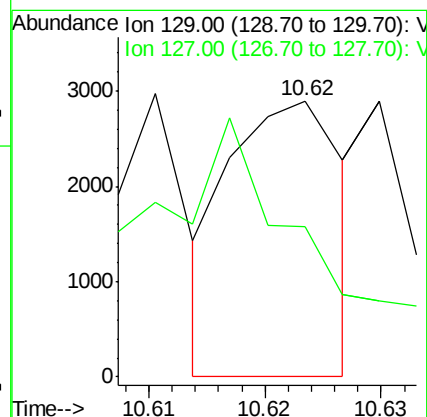
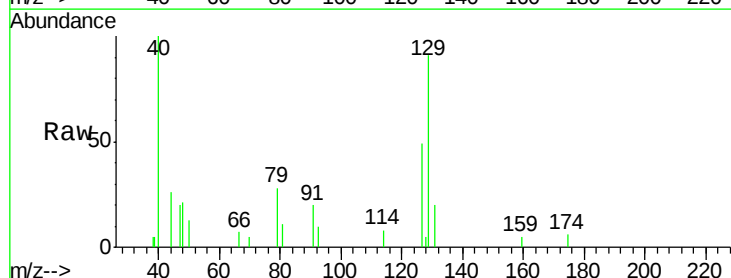
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

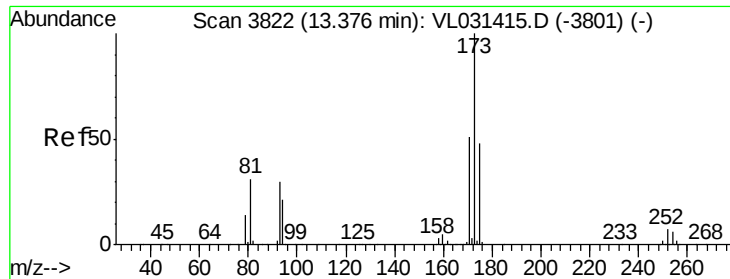
Tgt Ion: 97 Resp: 1527
 Ion Ratio Lower Upper
 97 100
 83 19.1 71.4 107.2#
 85 22.4 46.2 69.2#
 99 22.3 52.2 78.2#



#48
 Dibromochloromethane
 Concen: 0.01 ppbv
 RT: 10.62 min Scan# 2966
 Delta R.T. 0.00 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

Tgt Ion: 129 Resp: 1971
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.4 118.1#





#49

Bromoform

Concen: 0.01 ppbv

RT: 13.37 min Scan# 3819

Delta R.T. -0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

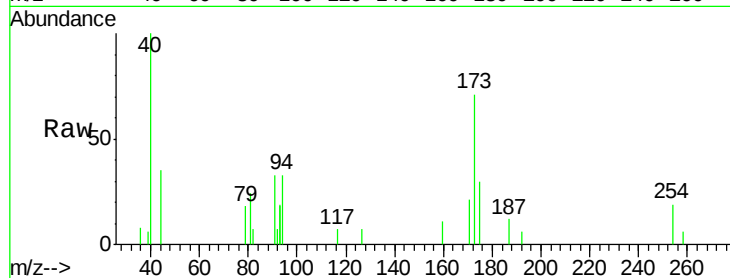
Tgt Ion:173 Resp: 1447

Ion Ratio Lower Upper

173 100

175 0.0 39.0 58.4#

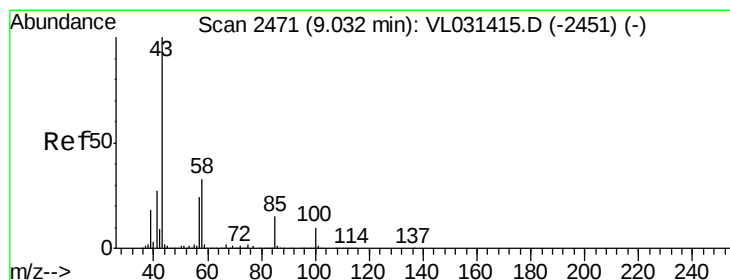
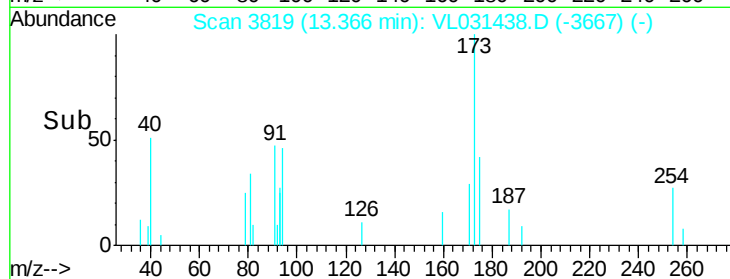
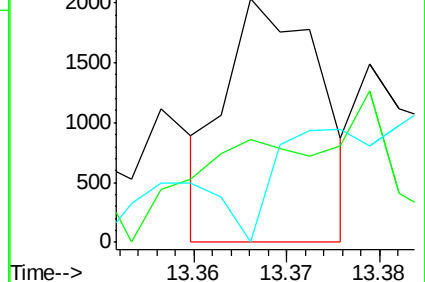
171 0.0 42.0 63.0#



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: 0.00 ppbv

RT: 9.05 min Scan# 2477

Delta R.T. 0.02 min

Lab File: VL031438.D

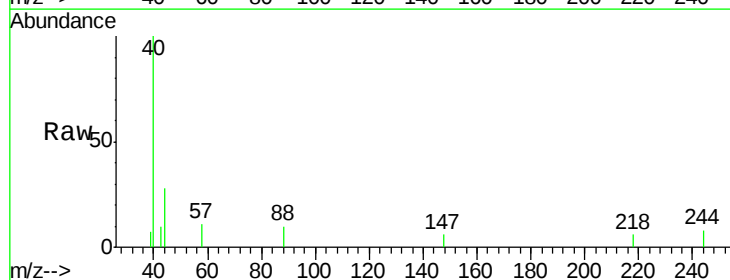
Acq: 23 Jan 2018 5:04

Tgt Ion: 43 Resp: 49

Ion Ratio Lower Upper

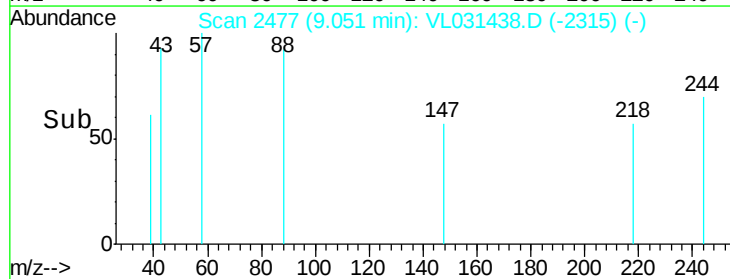
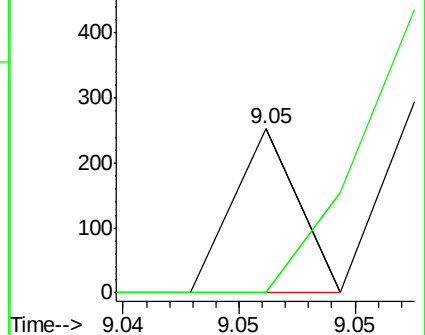
43 100

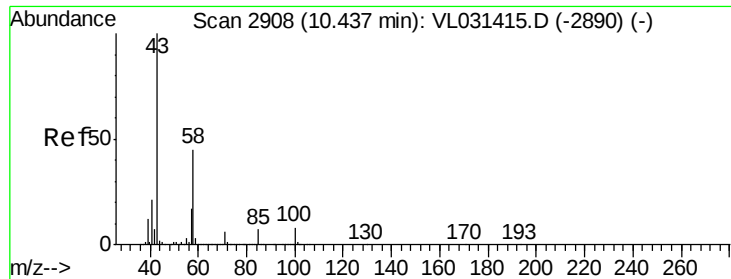
58 0.0 27.1 40.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

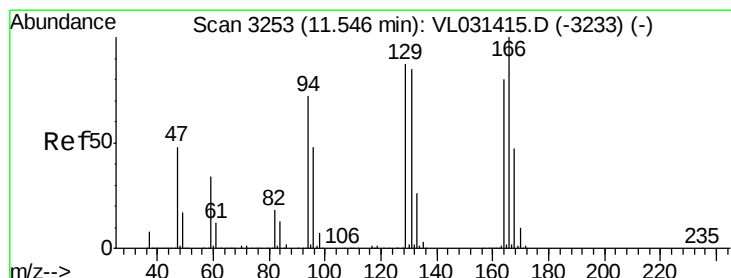
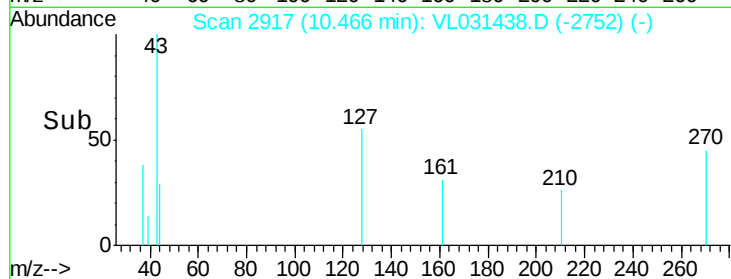
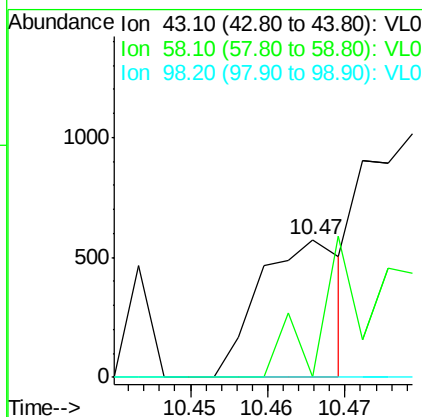
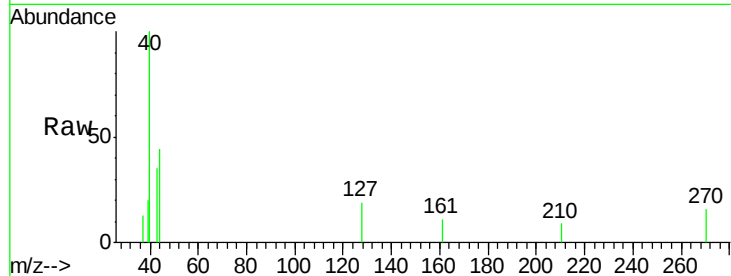




#51
2-Hexanone
Concen: 0.00 ppbv
RT: 10.47 min Scan# 2917
Delta R.T. 0.03 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

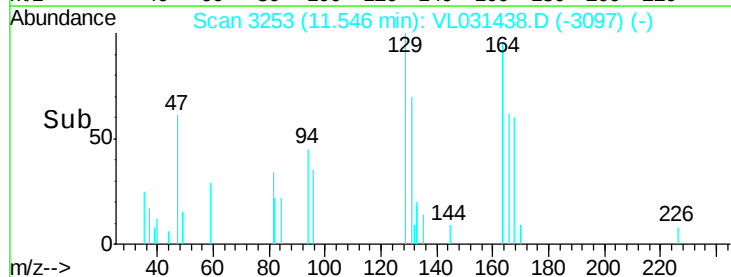
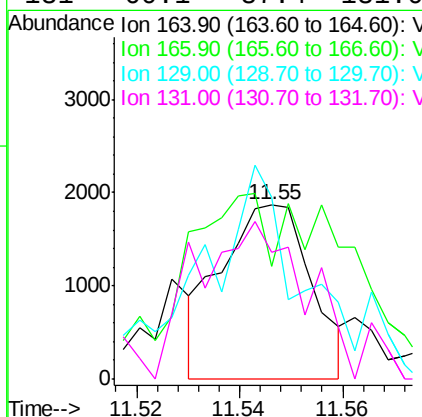
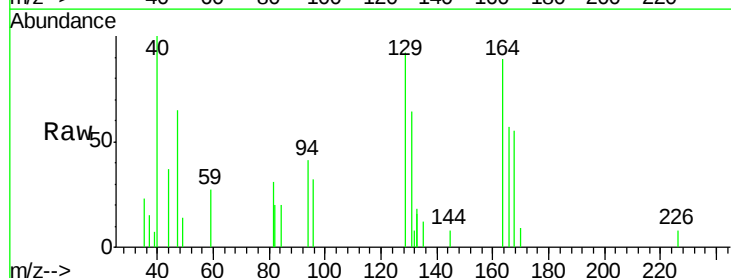
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

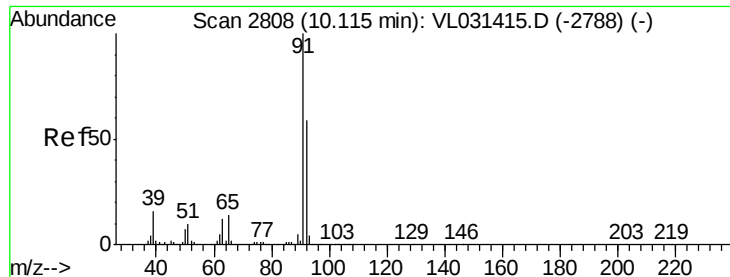
Tgt Ion: 43 Resp: 424
Ion Ratio Lower Upper
43 100
58 0.0 36.2 54.4#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.02 ppbv
RT: 11.55 min Scan# 3253
Delta R.T. 0.00 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

Tgt Ion: 164 Resp: 2271
Ion Ratio Lower Upper
164 100
166 0.0 100.2 150.2#
129 85.9 91.4 137.0#
131 60.1 87.4 131.0#





#53

Toluene

Concen: 0.01 ppbv

RT: 10.12 min Scan# 2808

Delta R.T. -0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

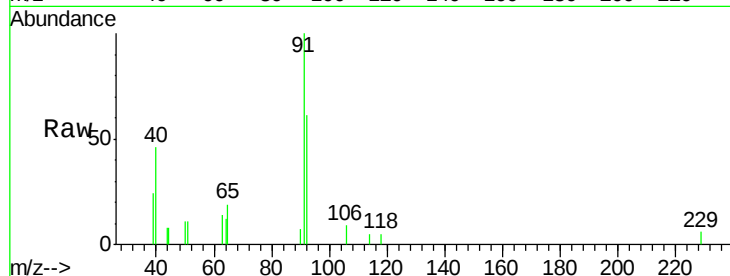
MDL-AIR-6

Tgt Ion: 91 Resp: 4048

Ion Ratio Lower Upper

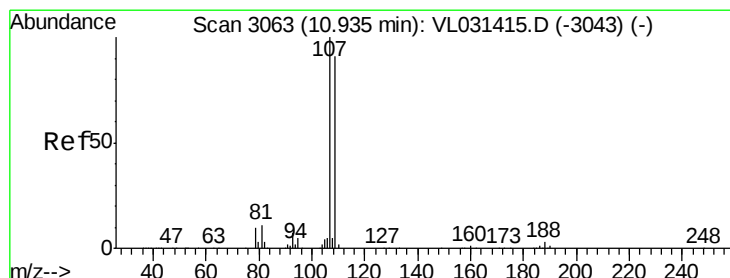
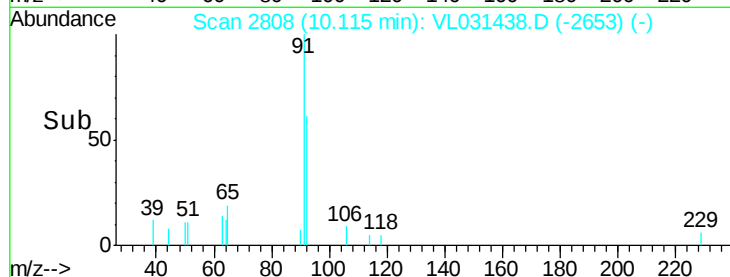
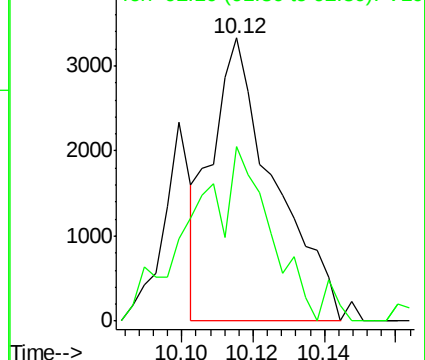
91 100

92 81.8 47.8 71.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.02 ppbv

RT: 10.93 min Scan# 3060

Delta R.T. -0.01 min

Lab File: VL031438.D

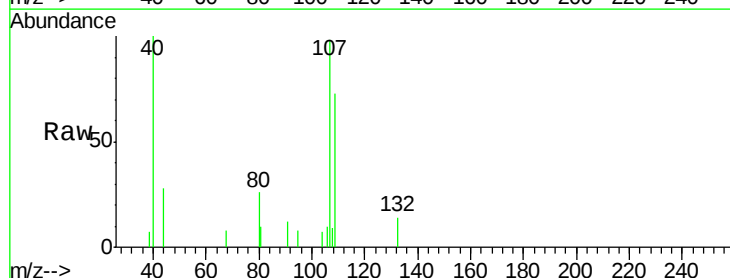
Acq: 23 Jan 2018 5:04

Tgt Ion: 107 Resp: 2644

Ion Ratio Lower Upper

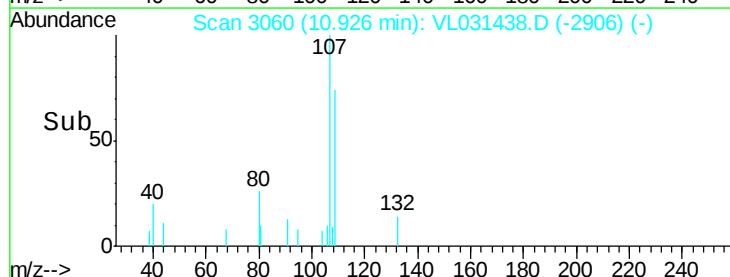
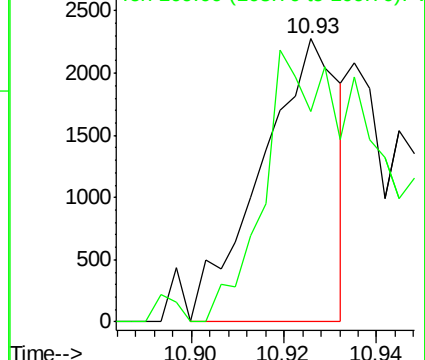
107 100

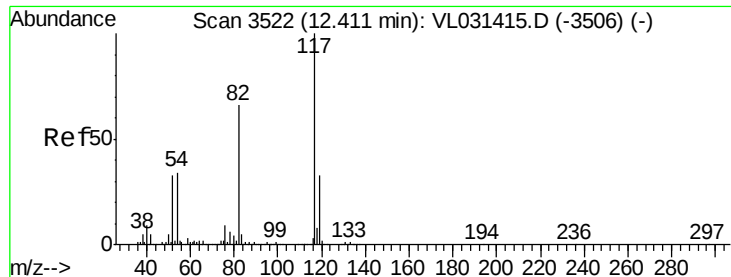
109 74.4 75.5 113.3#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

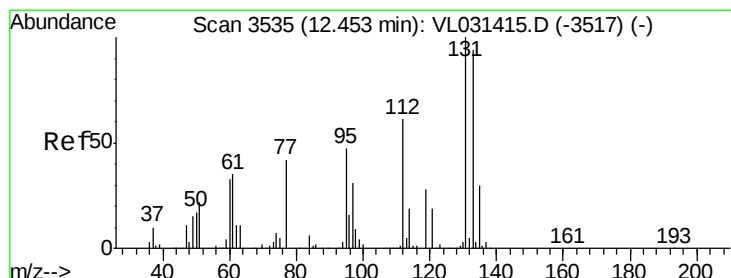
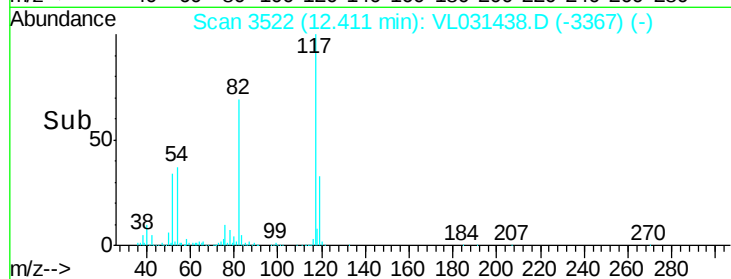
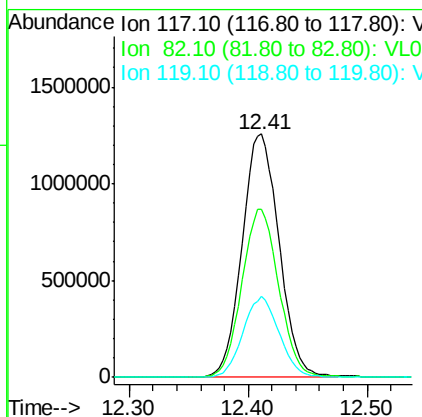
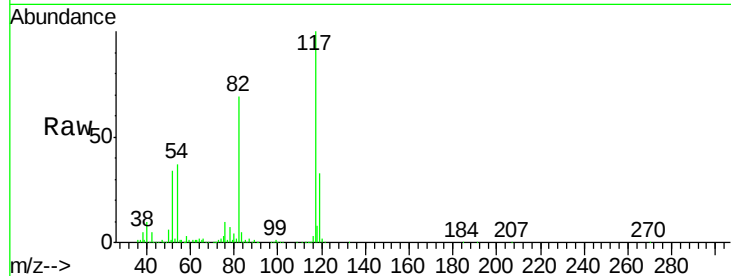




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

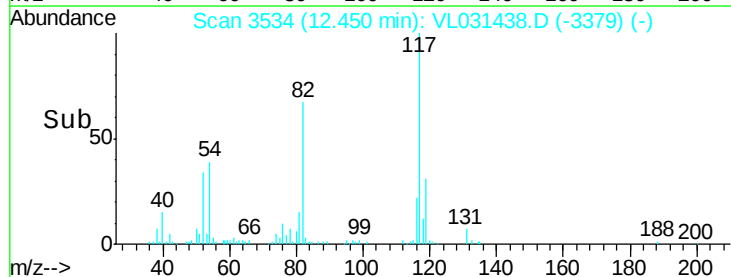
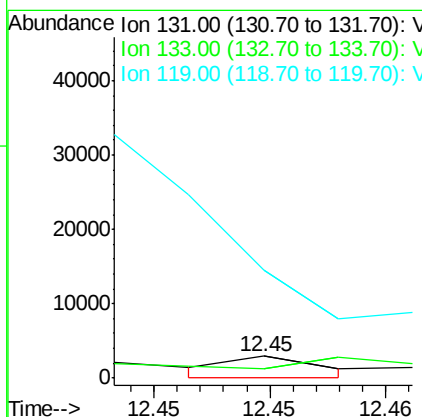
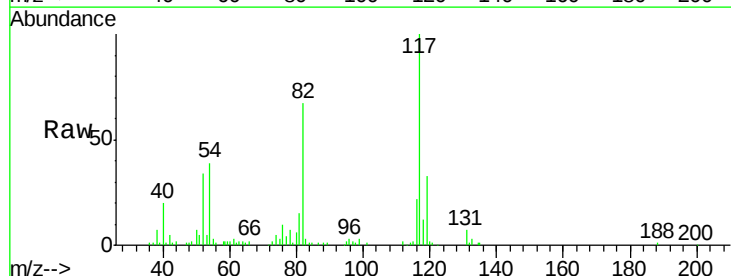
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

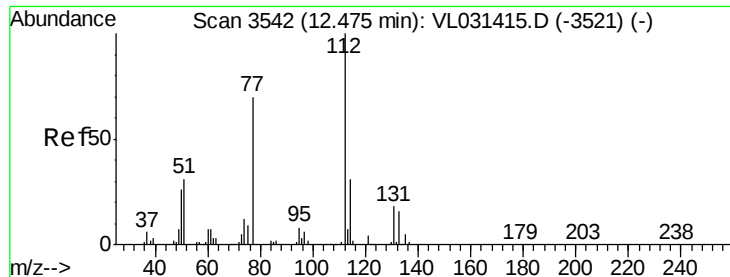
Tgt Ion:117 Resp: 2710879
Ion Ratio Lower Upper
117 100
82 69.6 51.8 77.6
119 32.8 24.2 36.2



#56
1,1,1,2-Tetrachloroethane
Concen: 0.01 ppbv
RT: 12.45 min Scan# 3534
Delta R.T. -0.00 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

Tgt Ion:131 Resp: 802
Ion Ratio Lower Upper
131 100
133 0.0 76.9 115.3#
119 0.0 47.7 71.5#





#57

Chlorobenzene

Concen: 0.02 ppbv

RT: 12.47 min Scan# 3540

Delta R.T. -0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

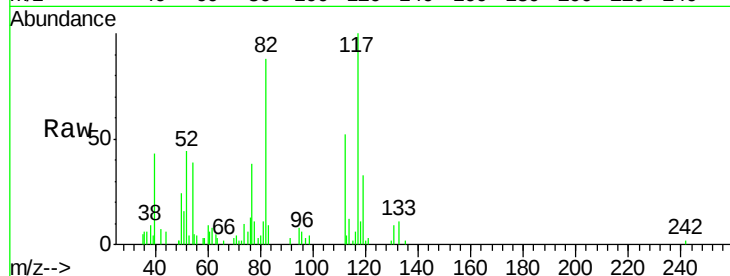
Tgt Ion: 112 Resp: 4535

Ion Ratio Lower Upper

112 100

77 48.4 56.0 84.0#

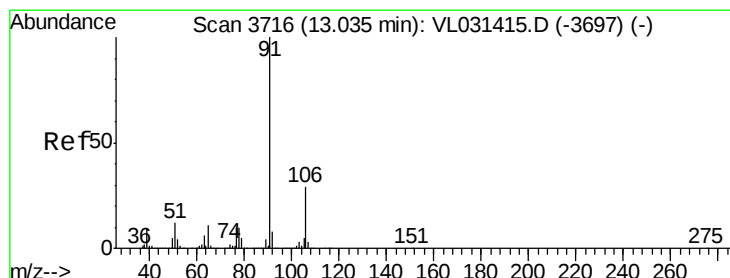
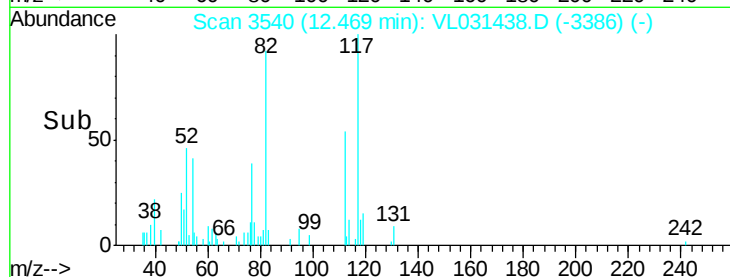
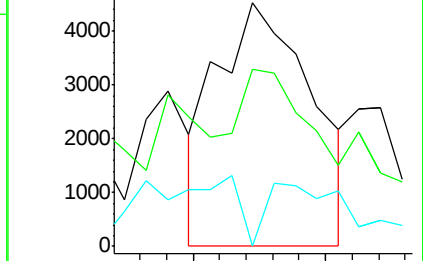
114 0.0 29.1 35.5#



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: 0.01 ppbv

RT: 13.03 min Scan# 3716

Delta R.T. -0.00 min

Lab File: VL031438.D

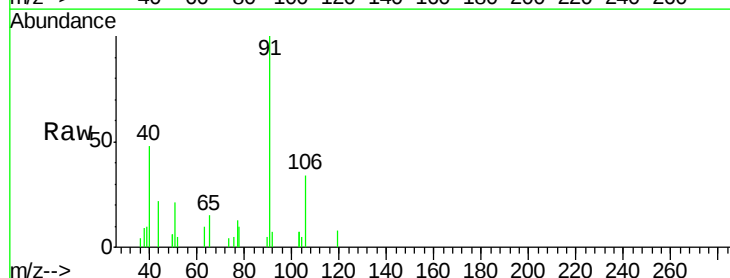
Acq: 23 Jan 2018 5:04

Tgt Ion: 91 Resp: 4115

Ion Ratio Lower Upper

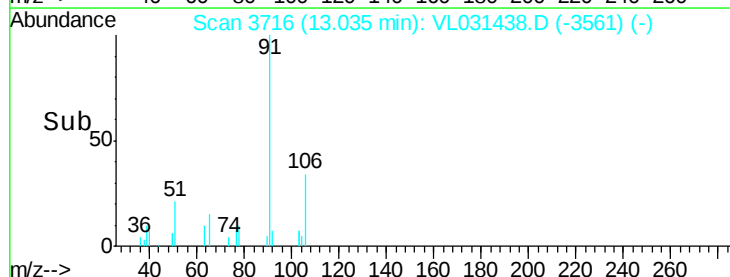
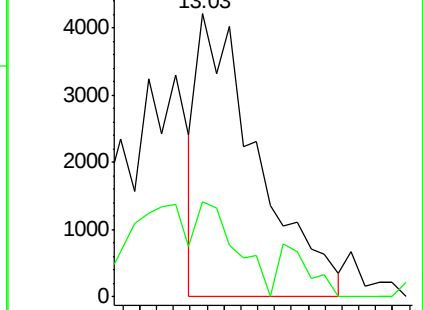
91 100

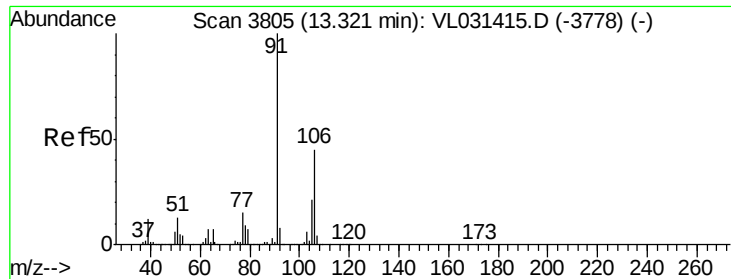
106 34.1 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.01 ppbv

RT: 13.32 min Scan# 3805

Delta R.T. 0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

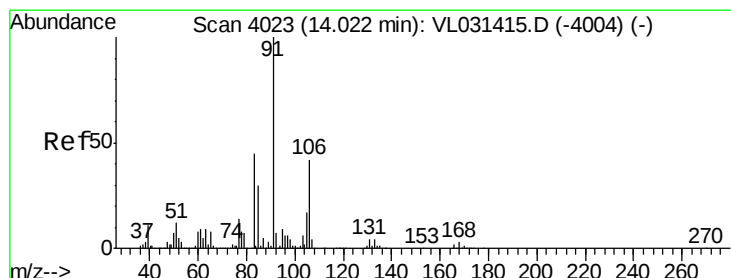
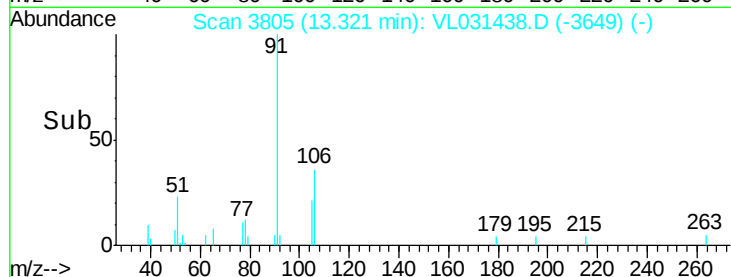
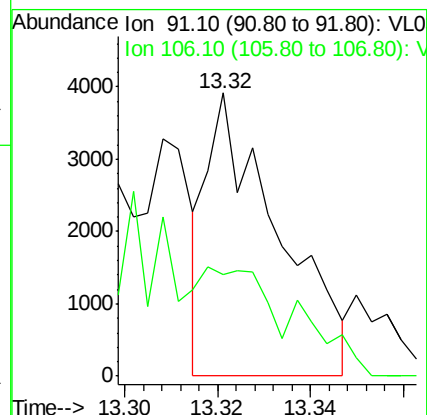
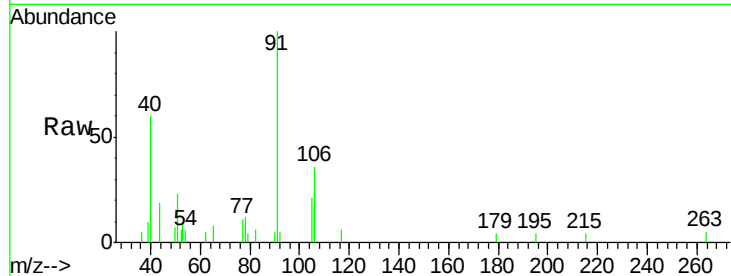
MDL-AIR-6

Tgt Ion: 91 Resp: 4179

Ion Ratio Lower Upper

91 100

106 0.0 35.6 53.4#



#60

o-Xylene

Concen: 0.01 ppbv

RT: 14.02 min Scan# 4021

Delta R.T. -0.01 min

Lab File: VL031438.D

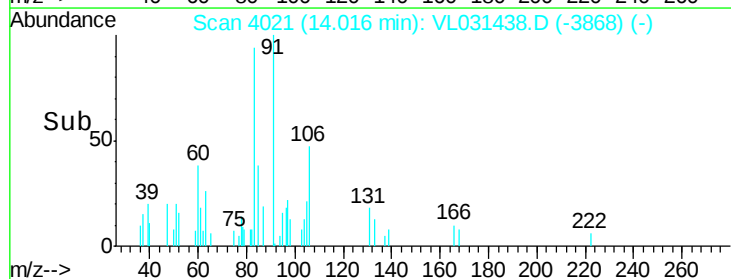
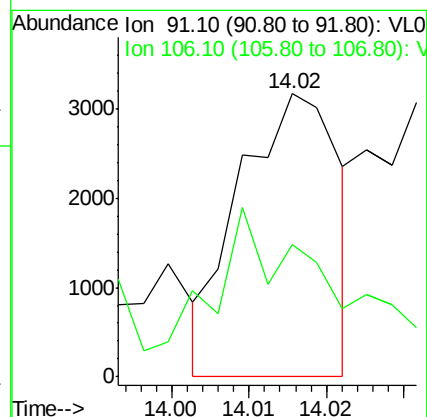
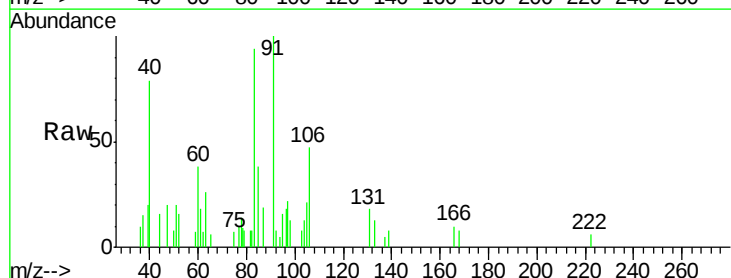
Acq: 23 Jan 2018 5:04

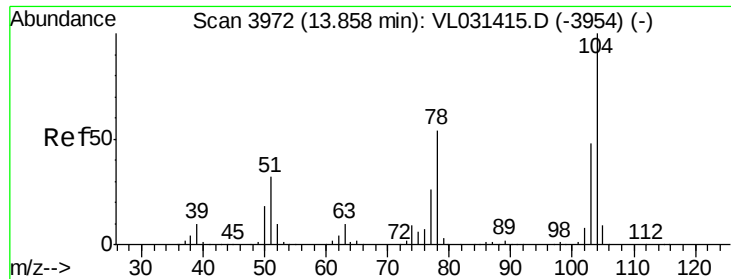
Tgt Ion: 91 Resp: 2831

Ion Ratio Lower Upper

91 100

106 104.5 21.3 64.0#





#61

Styrene

Concen: 0.01 ppbv

RT: 13.85 min Scan# 3970

Delta R.T. -0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

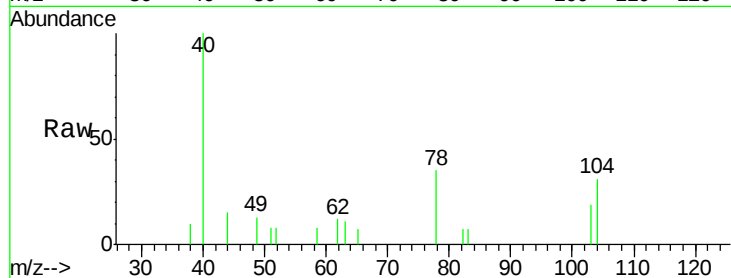
Tgt Ion:104 Resp: 383

Ion Ratio Lower Upper

104 100

78 0.0 45.4 68.0#

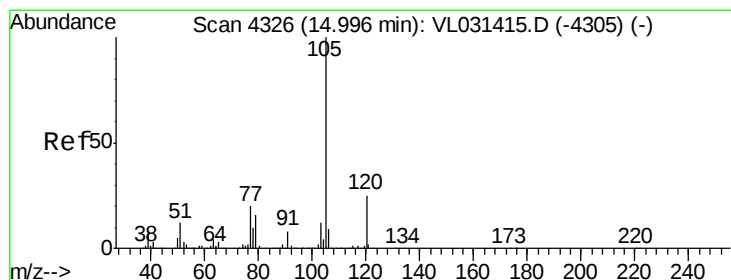
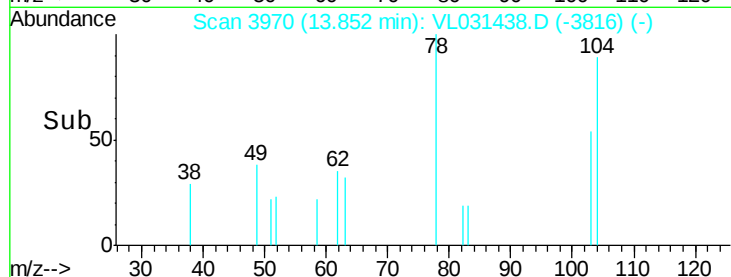
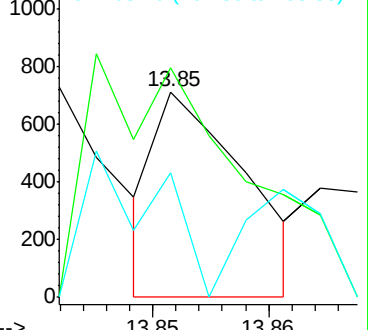
103 0.0 38.6 57.8#



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: 0.01 ppbv

RT: 14.99 min Scan# 4325

Delta R.T. -0.01 min

Lab File: VL031438.D

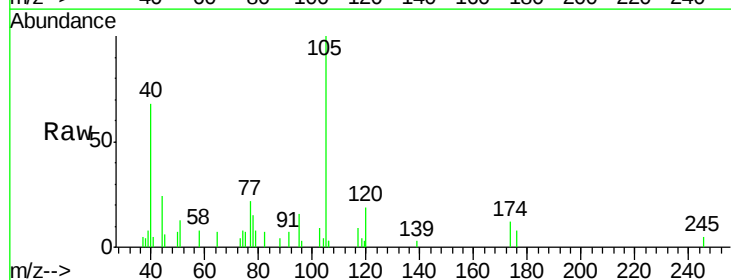
Acq: 23 Jan 2018 5:04

Tgt Ion:105 Resp: 2691

Ion Ratio Lower Upper

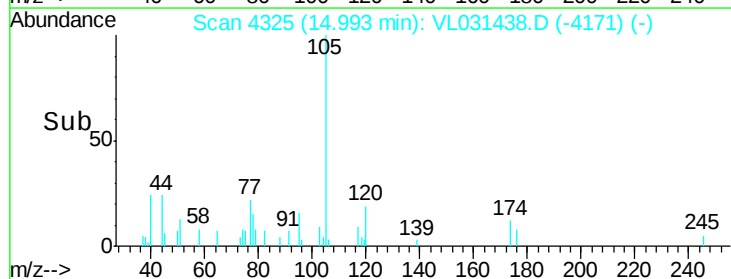
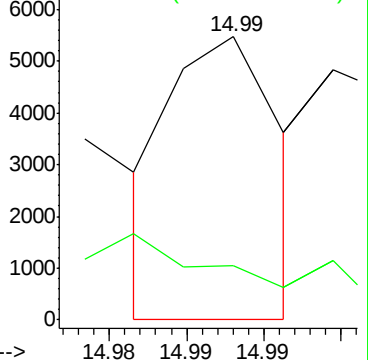
105 100

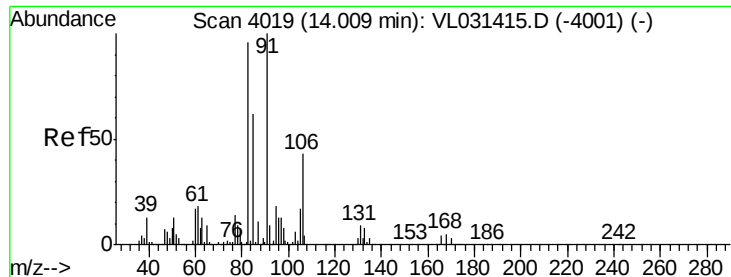
120 0.0 19.9 29.9#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

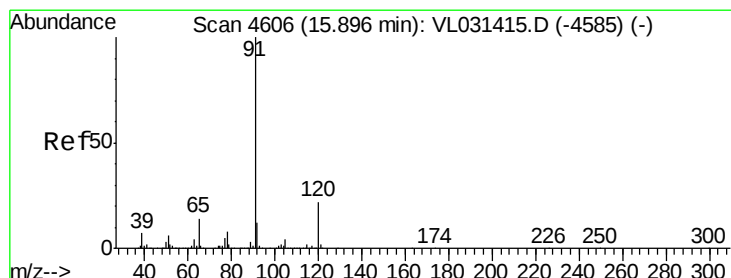
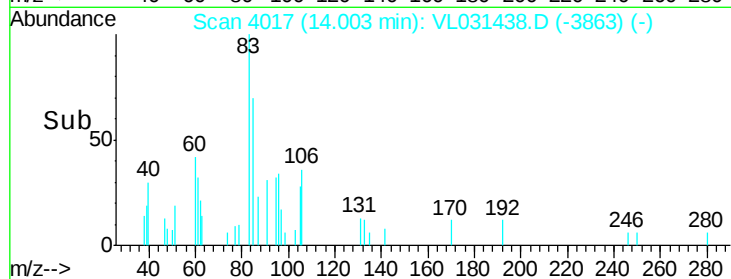
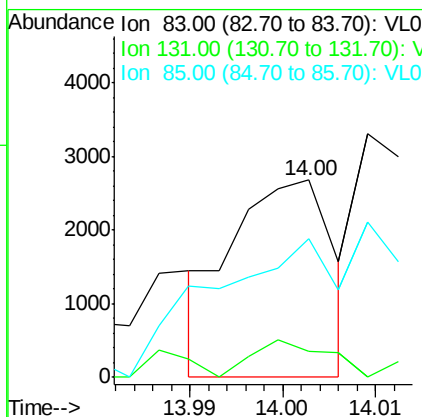
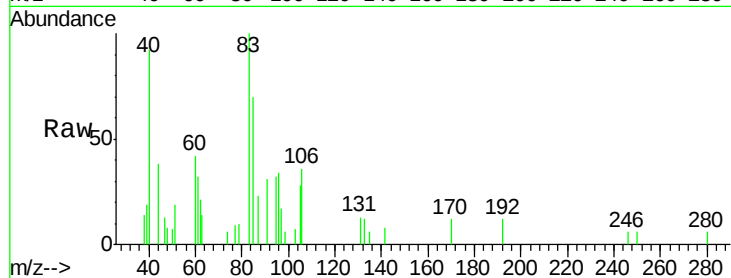




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.01 ppbv
 RT: 14.00 min Scan# 4017
 Delta R.T. -0.01 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

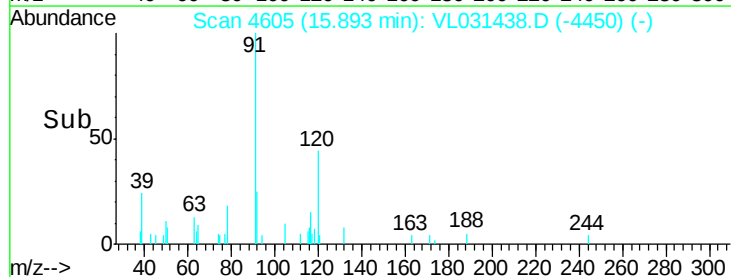
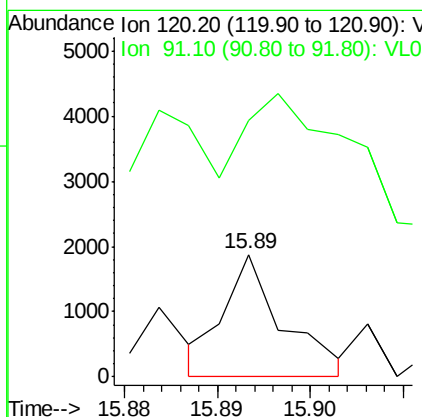
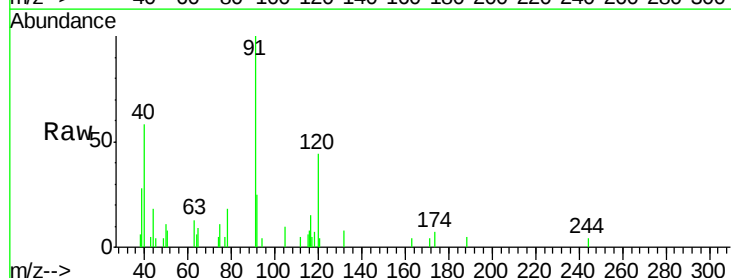
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

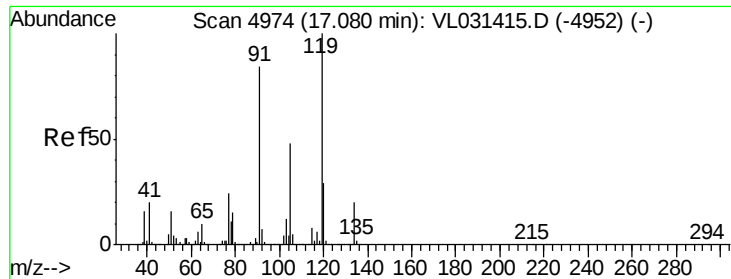
Tgt Ion: 83 Resp: 2034
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.8 14.3#
 85 0.0 32.4 97.0#



#64
 n-propylbenzene
 Concen: 0.01 ppbv
 RT: 15.89 min Scan# 4605
 Delta R.T. -0.00 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

Tgt Ion: 120 Resp: 845
 Ion Ratio Lower Upper
 120 100
 91 1255.5 389.8 584.6#





#65

tert-Butylbenzene

Concen: 0.01 ppbv

RT: 17.08 min Scan# 4973

Delta R.T. -0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

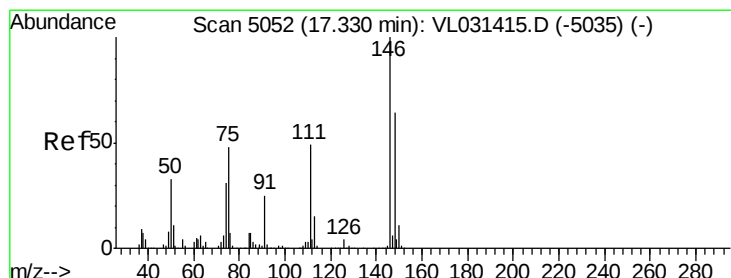
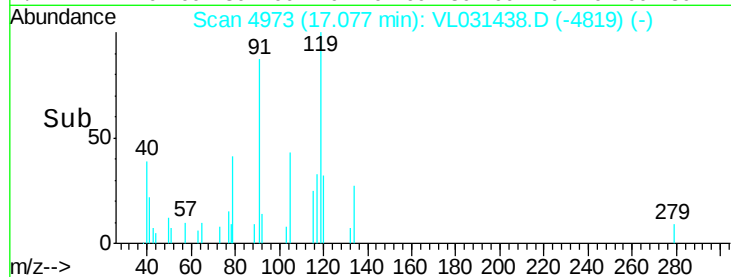
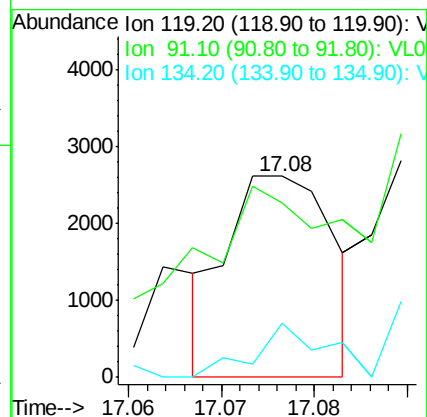
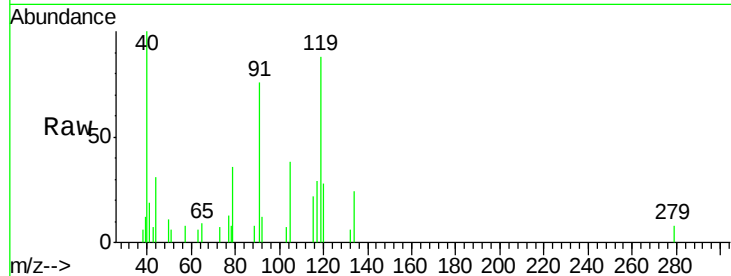
Tgt Ion: 119 Resp: 2070

Ion Ratio Lower Upper

119 100

91 0.0 69.0 103.6#

134 0.0 15.7 23.5#



#66

Benzyl Chloride

Concen: 0.00 ppbv

RT: 17.32 min Scan# 5049

Delta R.T. -0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

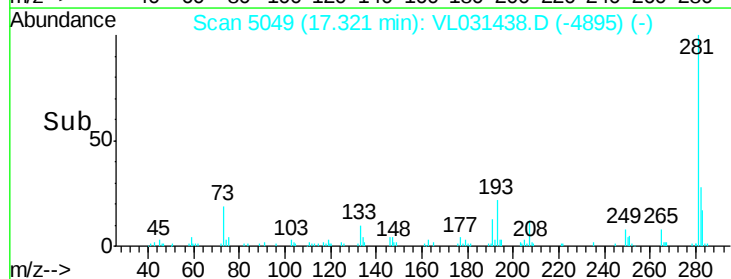
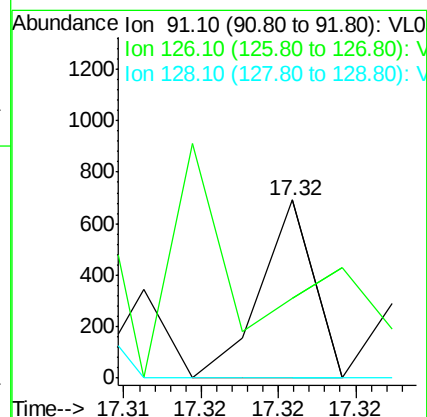
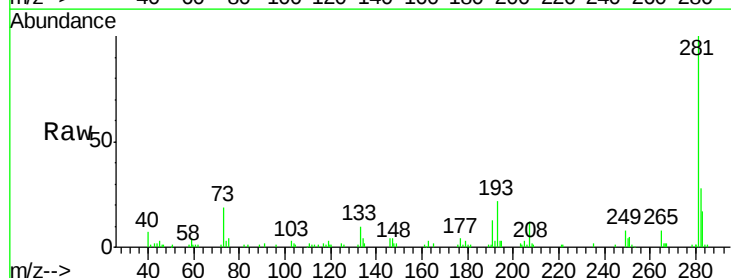
Tgt Ion: 91 Resp: 163

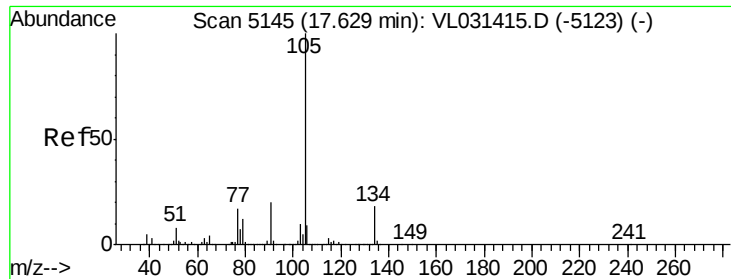
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.8#

128 0.0 4.6 6.8#

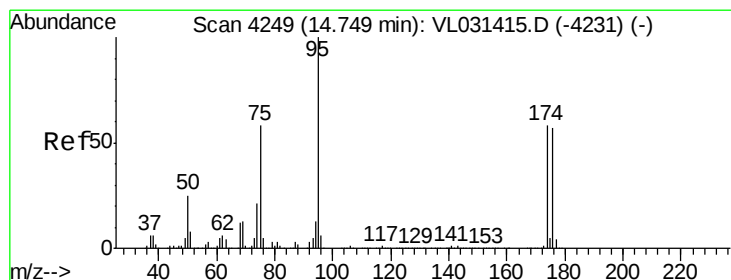
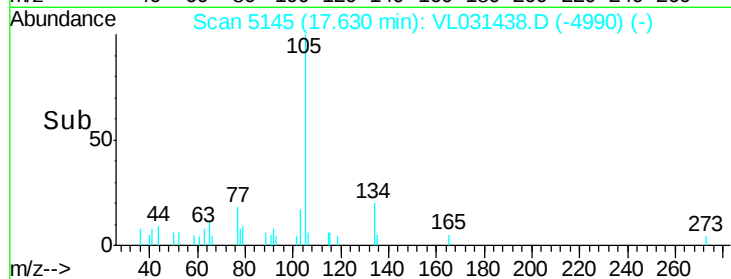
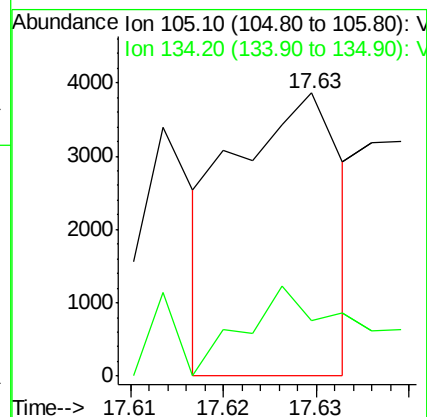
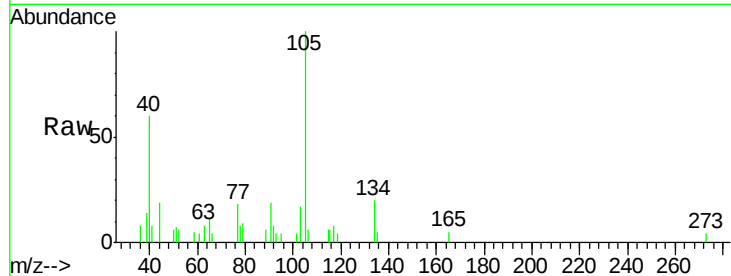




#67
 sec-Butylbenzene
 Concen: 0.01 ppbv
 RT: 17.63 min Scan# 5145
 Delta R.T. -0.00 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

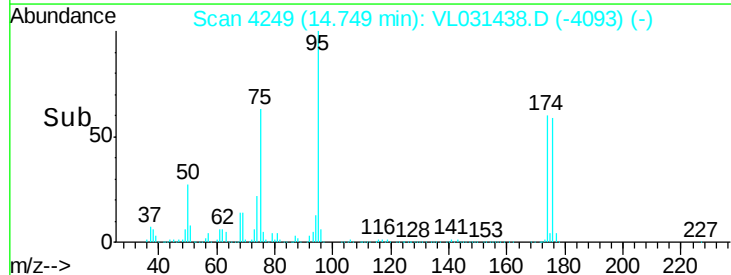
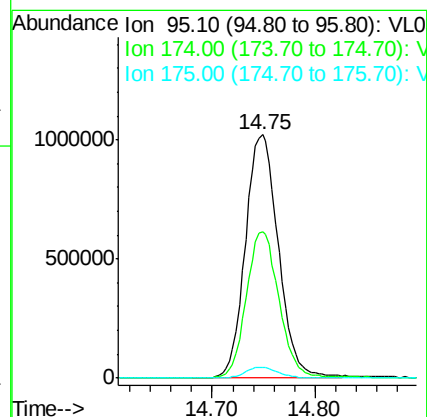
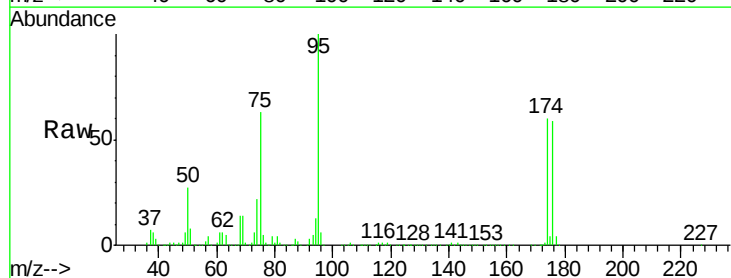
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

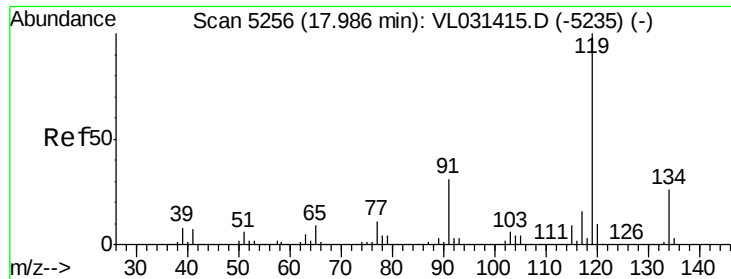
Tgt Ion: 105 Resp: 3129
 Ion Ratio Lower Upper
 105 100
 134 54.5 14.5 21.7#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.49 ppbv
 RT: 14.75 min Scan# 4249
 Delta R.T. 0.00 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

Tgt Ion: 95 Resp: 2277905
 Ion Ratio Lower Upper
 95 100
 174 60.4 48.2 72.4
 175 4.4 3.6 5.4





#69

p-Isopropyltoluene

Concen: 0.00 ppbv

RT: 17.98 min Scan# 5254

Delta R.T. -0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

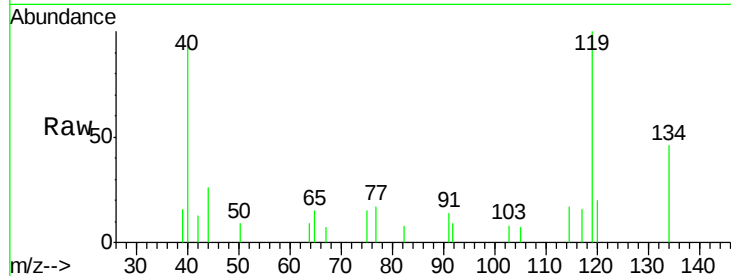
MSVOA_L

ClientSampleId :

MDL-AIR-6

Tgt Ion: 119 Resp: 1330

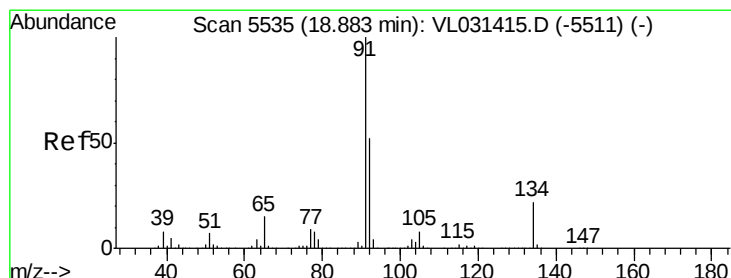
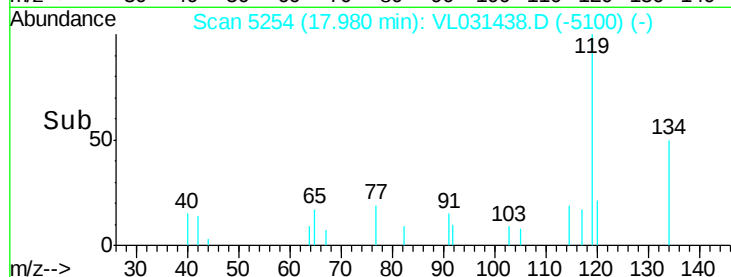
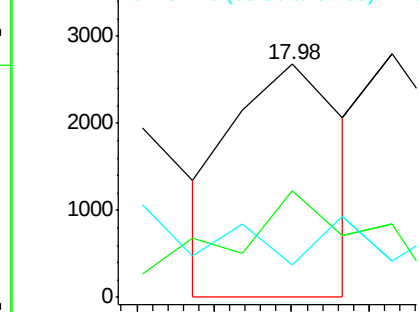
Ion	Ratio	Lower	Upper
119	100		
134	138.0	20.2	30.4#
91	0.0	25.0	37.4#



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: 0.00 ppbv

RT: 18.88 min Scan# 5534

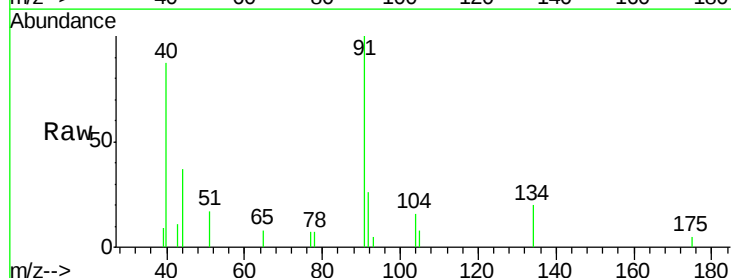
Delta R.T. -0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Tgt Ion: 91 Resp: 1729

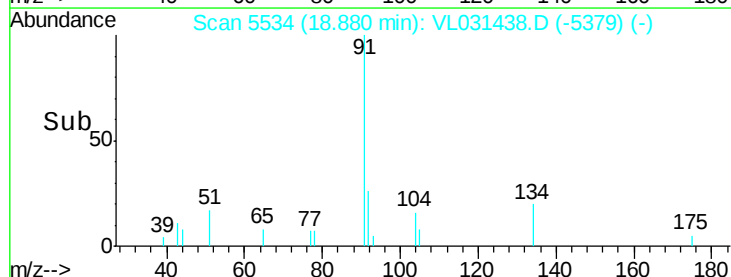
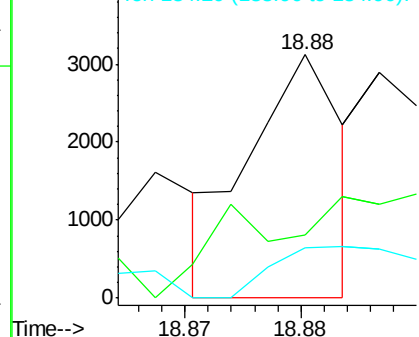
Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.2	63.4#
134	0.0	17.4	26.2#

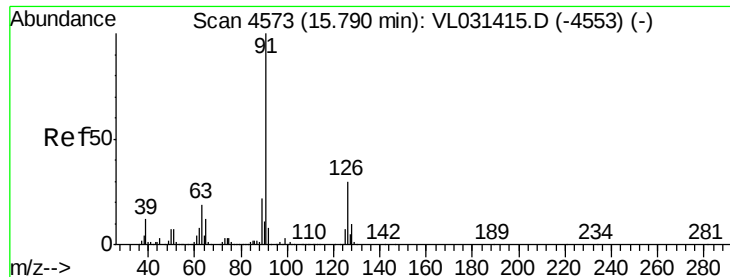


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

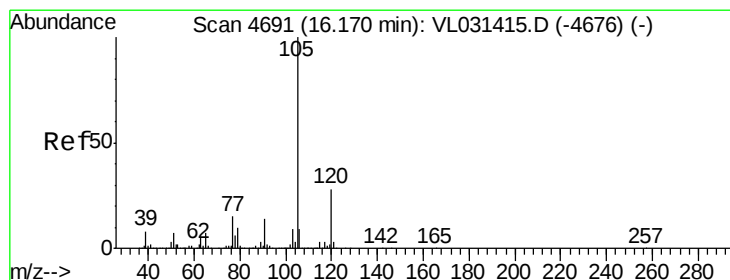
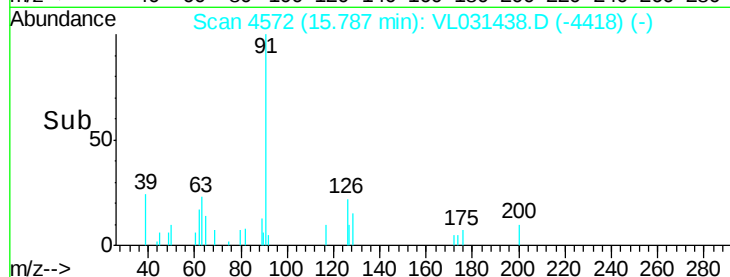
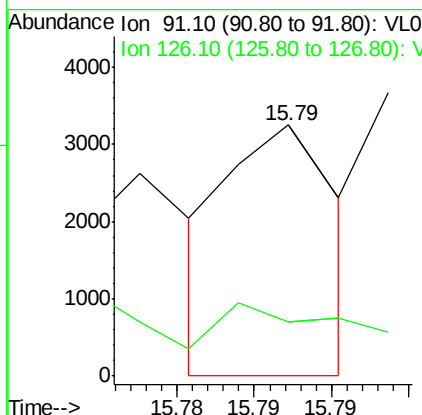
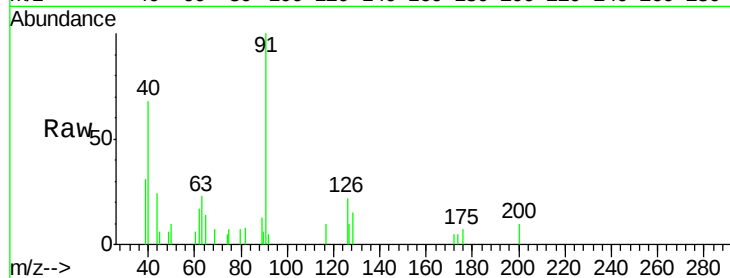




#71
2-Chlorotoluene
Concen: 0.00 ppbv
RT: 15.79 min Scan# 4572
Delta R.T. -0.01 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

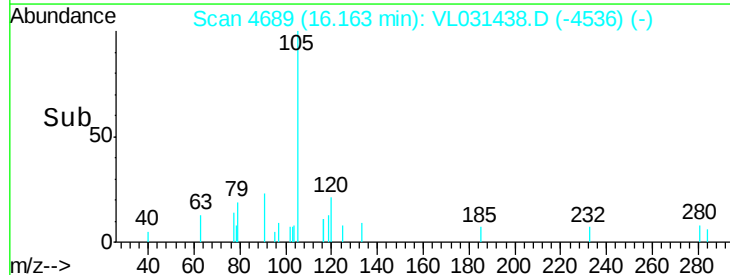
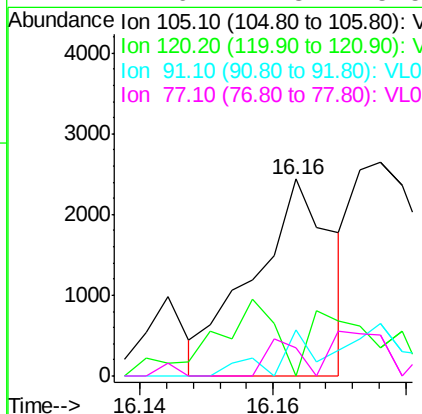
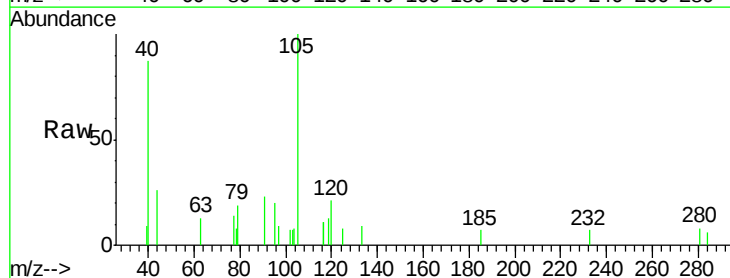
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

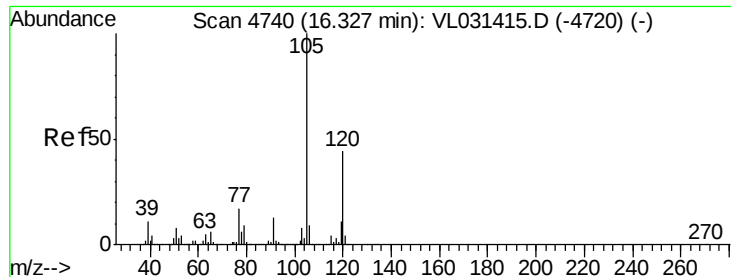
Tgt Ion: 91 Resp: 1601
Ion Ratio Lower Upper
91 100
126 0.0 11.7 46.9#



#72
4-Ethyltoluene
Concen: 0.01 ppbv
RT: 16.16 min Scan# 4689
Delta R.T. -0.01 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

Tgt Ion: 105 Resp: 2008
Ion Ratio Lower Upper
105 100
120 80.5 23.0 34.6#
91 0.0 11.0 16.4#
77 41.6 12.3 18.5#





#73

1,3,5-Trimethylbenzene

Concen: 0.01 ppbv

RT: 16.32 min Scan# 4739

Delta R.T. -0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

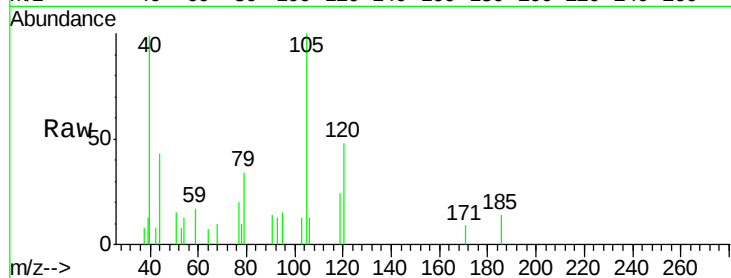
MDL-AIR-6

Tgt Ion:105 Resp: 1663

Ion Ratio Lower Upper

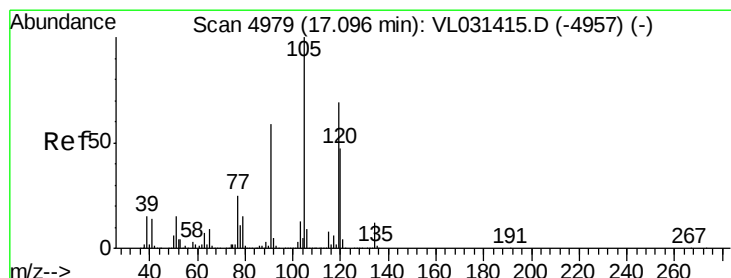
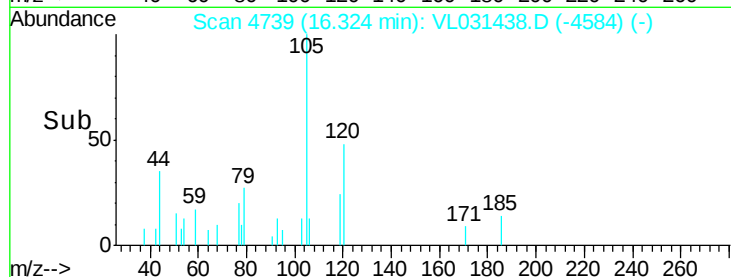
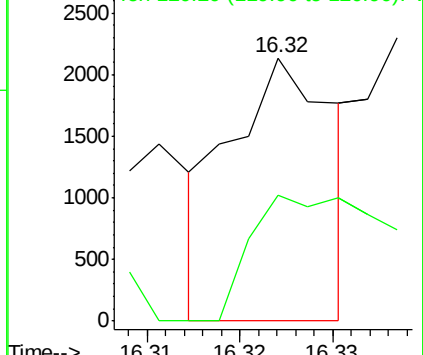
105 100

120 109.9 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: 0.00 ppbv

RT: 17.10 min Scan# 4981

Delta R.T. 0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Tgt Ion:105 Resp: 1660

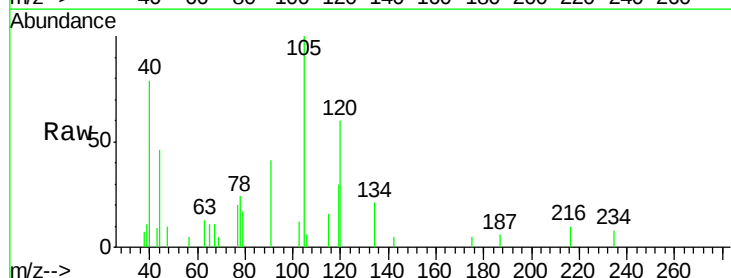
Ion Ratio Lower Upper

105 100

120 33.6 37.0 55.6#

91 20.5 35.1 52.7#

77 38.3 17.9 26.9#

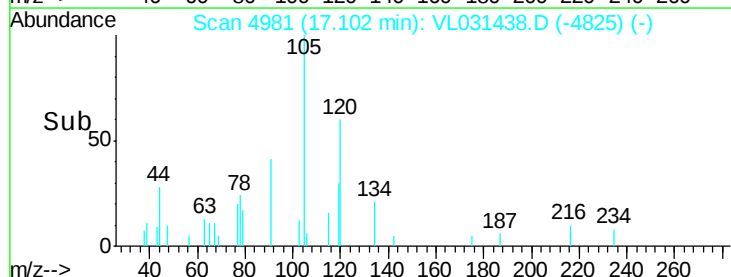
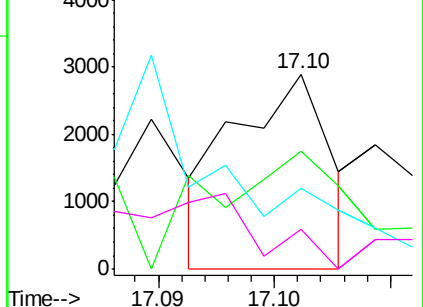


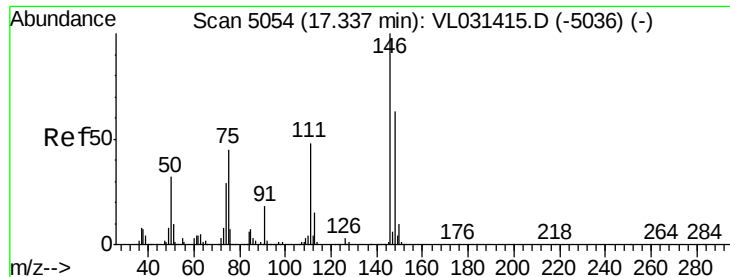
Abundance Ion 105.10 (104.80 to 105.80): V

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

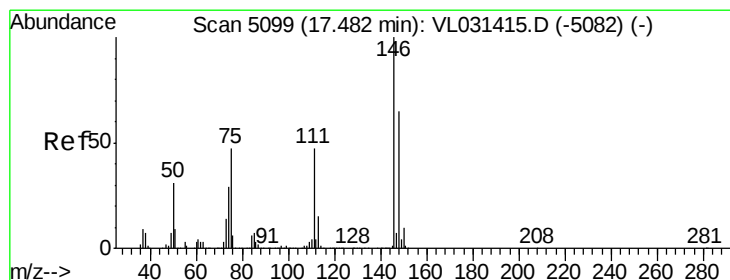
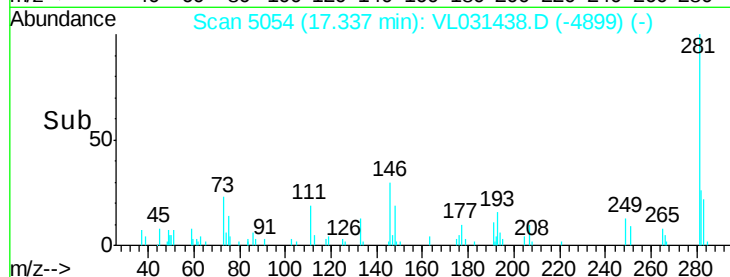
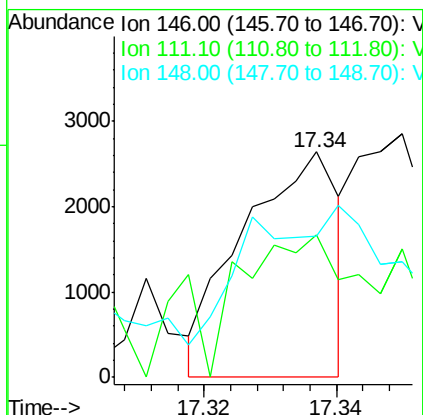
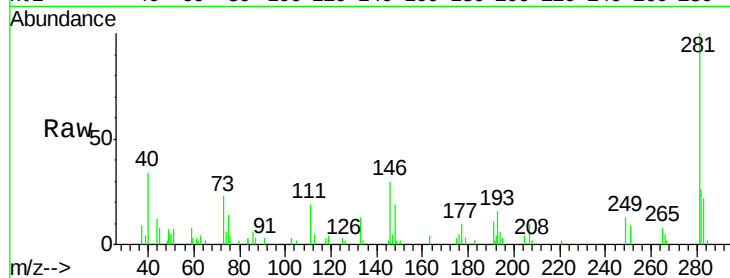




#75
 1,3-Dichlorobenzene
 Concen: 0.01 ppbv
 RT: 17.34 min Scan# 5054
 Delta R.T. -0.00 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

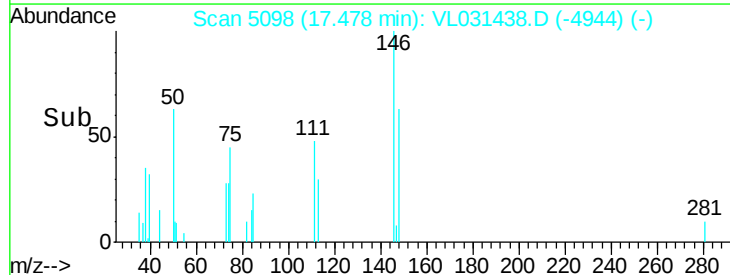
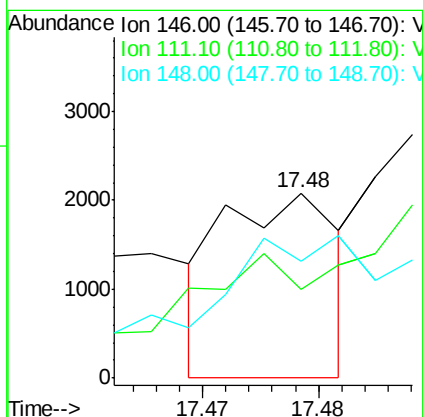
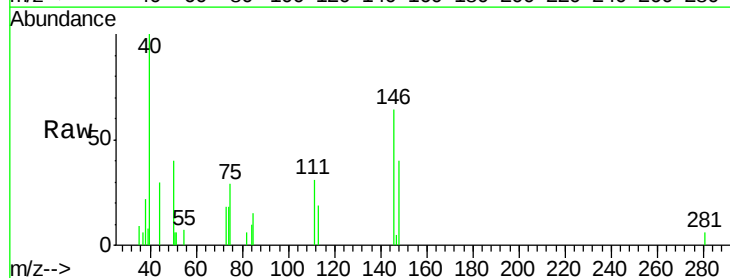
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

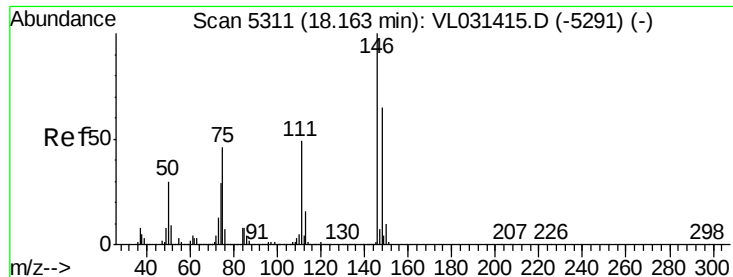
Tgt Ion:146 Resp: 2650
 Ion Ratio Lower Upper
 146 100
 111 134.5 24.2 72.6#
 148 173.4 32.1 96.3#



#76
 1,4-Dichlorobenzene
 Concen: 0.01 ppbv
 RT: 17.48 min Scan# 5098
 Delta R.T. -0.01 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

Tgt Ion:146 Resp: 1426
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.3 69.9#
 148 234.7 32.4 97.2#





#77

1,2-Dichlorobenzene

Concen: 0.01 ppbv

RT: 18.15 min Scan# 5308

Delta R.T. -0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

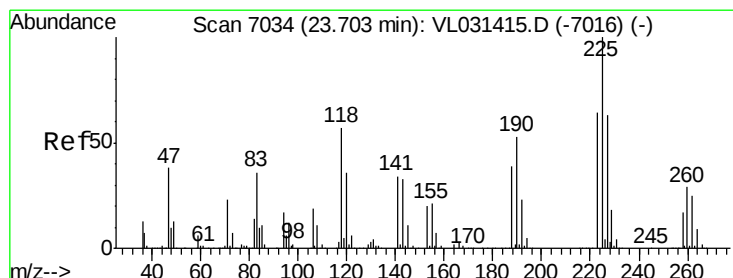
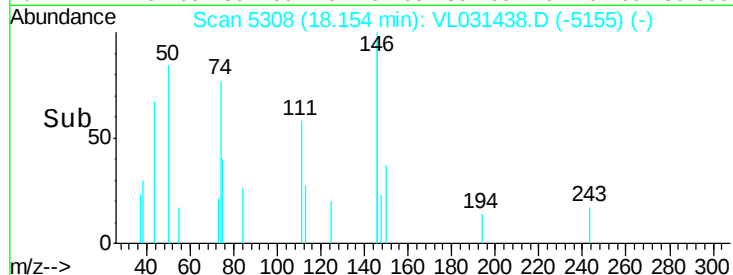
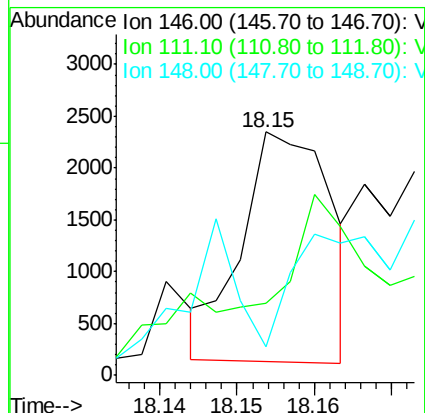
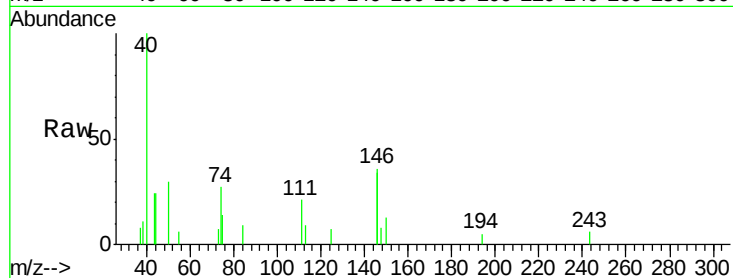
Tgt Ion:146 Resp: 1784

Ion Ratio Lower Upper

146 100

111 183.1 24.6 74.0#

148 193.3 32.3 96.8#



#78

Hexachloro-1,3-Butadiene

Concen: 0.02 ppbv

RT: 23.70 min Scan# 7034

Delta R.T. -0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

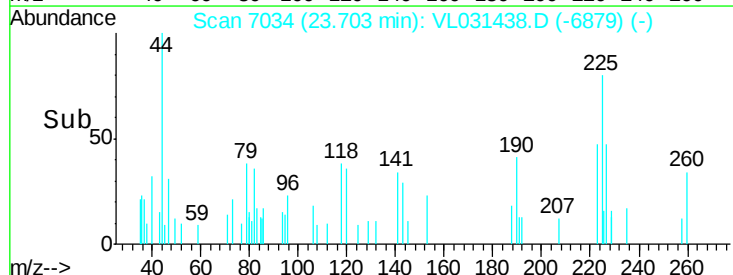
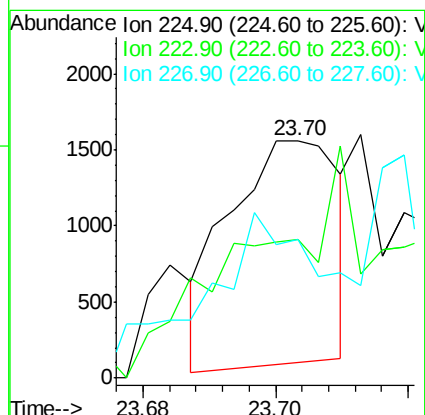
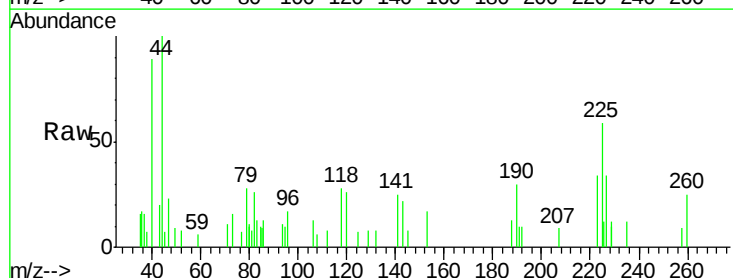
Tgt Ion:225 Resp: 1684

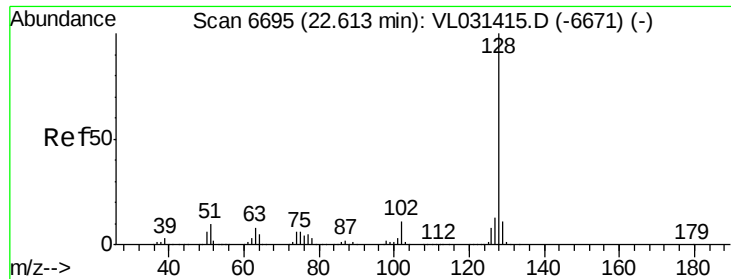
Ion Ratio Lower Upper

225 100

223 0.0 51.3 76.9#

227 0.0 50.7 76.1#

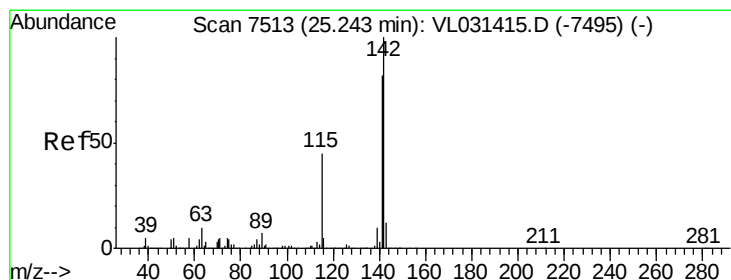
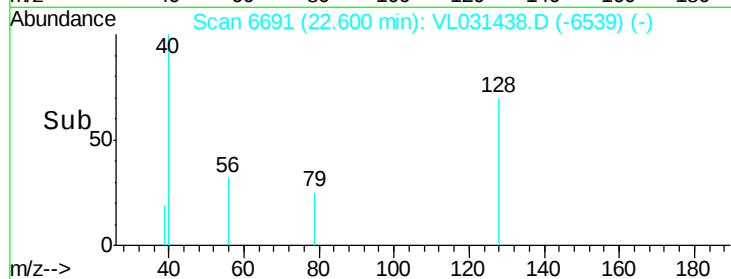
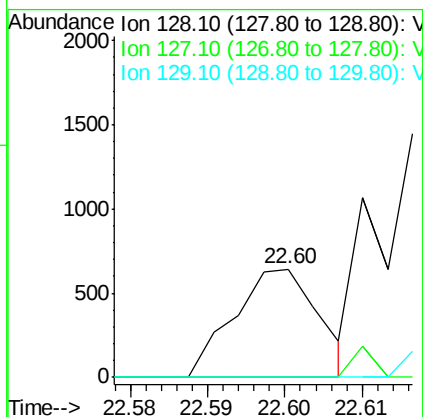
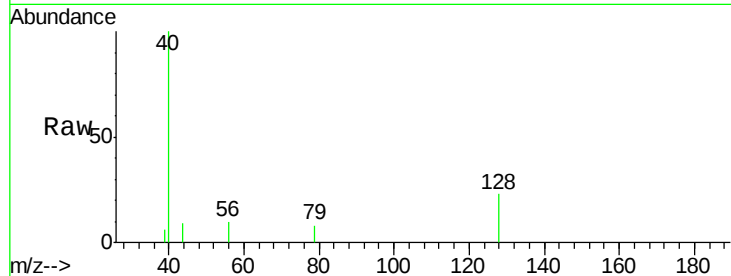




#79
Naphthalene
Concen: 0.00 ppbv
RT: 22.60 min Scan# 6691
Delta R.T. -0.01 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

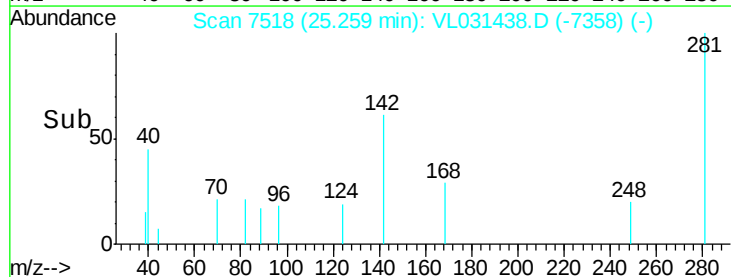
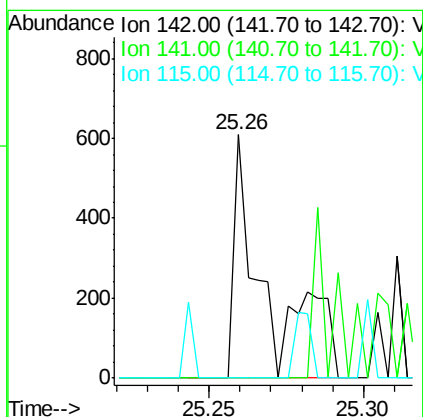
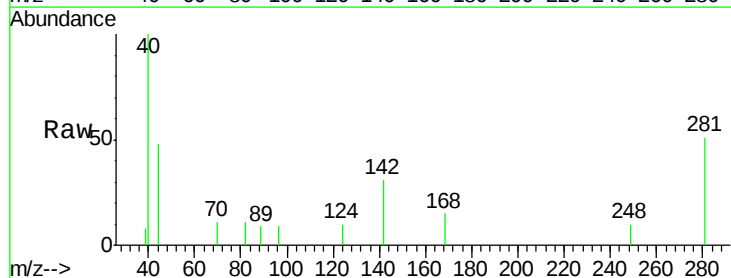
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

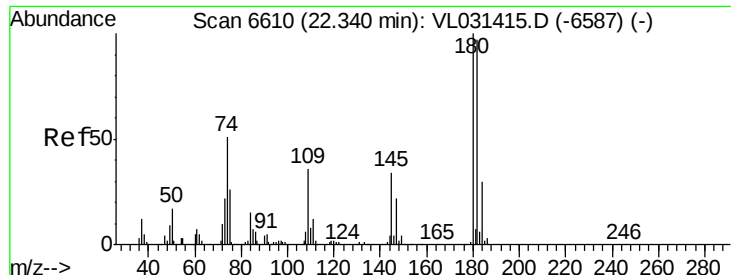
Tgt Ion:128 Resp: 492
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 9.2 13.8#



#80
Naphthalene, 2-methyl-
Concen: 0.01 ppbv
RT: 25.26 min Scan# 7518
Delta R.T. 0.01 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

Tgt Ion:142 Resp: 445
Ion Ratio Lower Upper
142 100
141 0.0 68.7 103.1#
115 8.3 36.3 54.5#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.00 ppbv
 RT: 22.33 min Scan# 6607
 Delta R.T. -0.01 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Tgt Ion:180 Resp: 383
 Ion Ratio Lower Upper
 180 100
 182 609.7 76.2 114.4#
 184 0.0 24.2 36.4#

