

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
 Data File : VL031433.D
 Acq On : 23 Jan 2018 2:04
 Operator : SY/AP
 Sample : J1089-08 0.025 MDL
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

Quant Time: Jan 23 06:23:20 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	5.91	49	1209087	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2698591	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2638308	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2159292	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.18	85	8992	0.05	ppbv	99
3) Chlorodifluoromethane	3.12	51	4809	0.03	ppbv	97
4) Chloromethane	3.27	50	989	0.01	ppbv #	69
5) Vinyl Chloride	3.41	62	2629	0.04	ppbv #	71
6) Bromomethane	3.62	94	1236	0.02	ppbv #	52
7) Chloroethane	3.71	64	322	0.01	ppbv	98
8) Dichlorotetrafluoroethane	3.32	85	7289	0.04	ppbv	93
9) Propene	3.50	41	227	0.00	ppbv	96
10) Heptane	8.40	43	3408	0.02	ppbv	100
11) Trichlorofluoromethane	4.13	101	5566	0.02	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.68	101	2448	0.02	ppbv #	11
13) Ethanol	3.79	45	745	0.04	ppbv	73
14) Bromoethene	3.91	108	1406	0.02	ppbv #	52
15) Acetone	4.05	43	6871	0.04	ppbv #	57
16) 1,3-Butadiene	3.48	39	1266	0.02	ppbv #	73
17) tert-Butyl alcohol	4.51	59	40	0.00	ppbv #	71
18) 1,1-Dichloroethene	4.48	96	2140	0.03	ppbv #	88
19) Isopropyl Alcohol	4.16	45	65	0.00	ppbv #	97
20) Methylene Chloride	4.53	84	2748	0.04	ppbv #	71
21) Allyl Chloride	4.60	41	2472	0.03	ppbv #	65
22) trans-1,2-Dichloroethene	5.10	96	1330	0.02	ppbv #	35
23) Vinyl Acetate	5.28	43	744	0.00	ppbv #	32
24) 1,1-Dichloroethane	5.23	63	4202	0.02	ppbv #	94
25) Ethyl Acetate	5.93	43	5376	0.02	ppbv #	88
26) Hexane	5.92	57	3259	0.03	ppbv #	3
27) Carbon Disulfide	4.75	76	2529	0.02	ppbv #	1
28) Methyl tert-Butyl Ether	5.26	73	161	0.00	ppbv #	54
29) Chloroform	5.99	83	4605	0.02	ppbv	95
30) Cyclohexane	7.40	84	659	0.01	ppbv #	1
31) cis-1,2-Dichloroethene	5.79	61	1652	0.01	ppbv #	53
32) 1,1,1-Trichloroethane	6.77	97	4844	0.02	ppbv #	55
34) 2-Butanone	5.50	43	2977	0.02	ppbv #	62
35) Carbon Tetrachloride	7.30	117	1122	0.01	ppbv #	56
36) Benzene	7.17	78	2260	0.01	ppbv #	88
37) 1,2-Dichloroethane	6.57	62	2543	0.01	ppbv #	85
38) Trichloroethene	8.12	130	1945	0.02	ppbv #	41
39) 1,2-Dichloropropane	7.44	63	751696	8.34	ppbv #	22
40) 1,4-Dioxane	8.21	88	242	0.01	ppbv #	1
41) Tetrahydrofuran	6.34	42	347	0.00	ppbv #	1
42) Bromodichloromethane	8.07	83	6151	0.03	ppbv #	61
43) Methyl Methacrylate	8.29	69	423	0.00	ppbv #	1

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 MDL-AIR-1DL

Quant Time: Jan 23 06:23:20 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

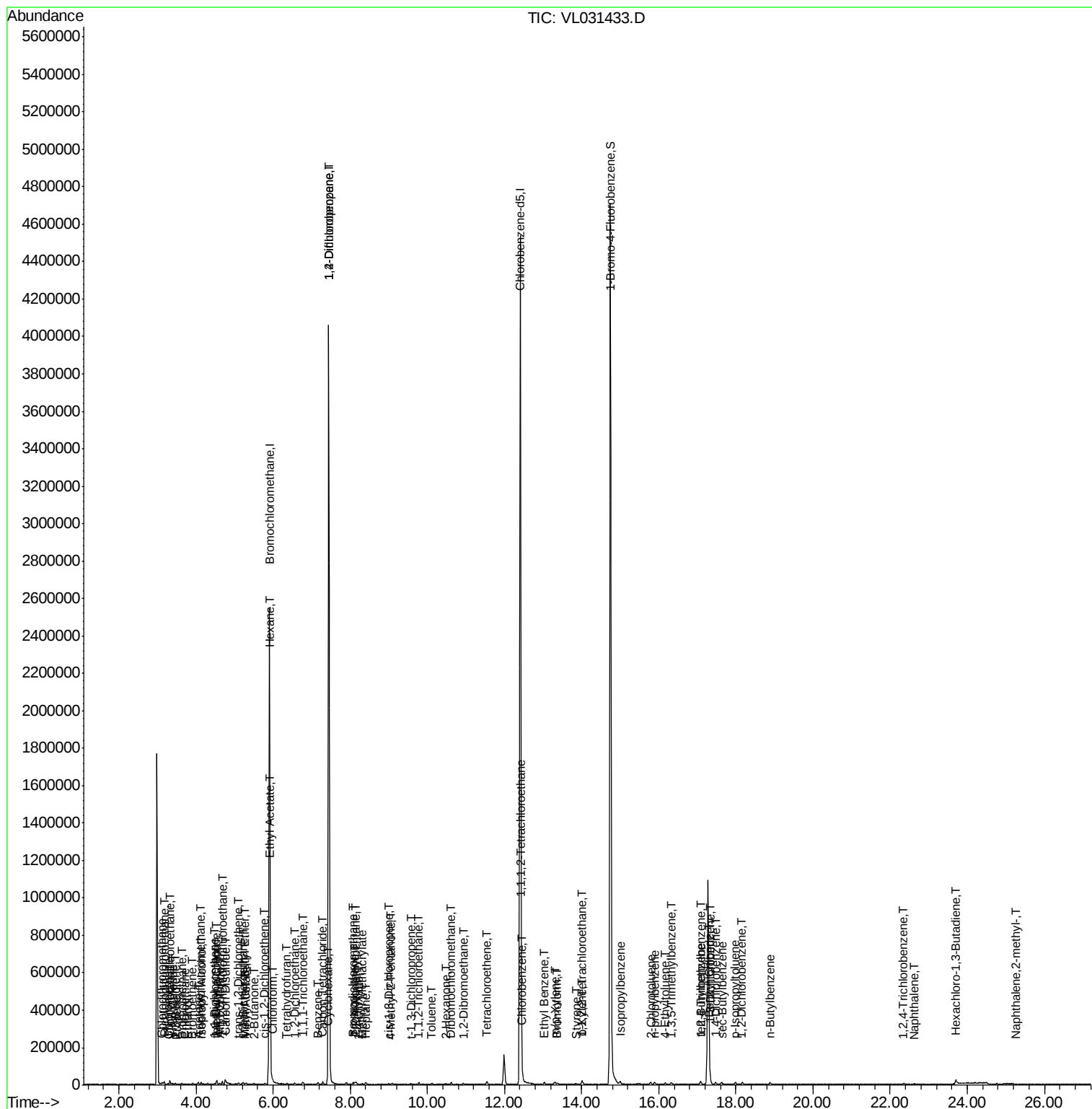
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	3042	0.01	ppbv #	23
45) t-1,3-Dichloropropene	9.57	75	741	0.01	ppbv	93
46) cis-1,3-Dichloropropene	9.00	75	1231	0.01	ppbv #	66
47) 1,1,2-Trichloroethane	9.78	97	1345	0.01	ppbv #	62
48) Dibromochloromethane	10.62	129	1431	0.01	ppbv #	1
49) Bromoform	13.38	173	926	0.01	ppbv #	27
50) 4-Methyl-2-Pentanone	9.05	43	84	0.00	ppbv #	41
51) 2-Hexanone	10.48	43	1705	0.01	ppbv #	20
52) Tetrachloroethene	11.54	164	1010	0.01	ppbv #	58
53) Toluene	10.11	91	3158	0.01	ppbv #	21
54) 1,2-Dibromoethane	10.94	107	1320	0.01	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.45	131	1217	0.01	ppbv #	1
57) Chlorobenzene	12.47	112	6920	0.03	ppbv #	93
58) Ethyl Benzene	13.03	91	3120	0.01	ppbv	95
59) m/p-Xylene	13.32	91	958	0.00	ppbv #	1
60) o-Xylene	14.03	91	1067	0.00	ppbv #	1
61) Styrene	13.86	104	554	0.01	ppbv #	65
62) Isopropylbenzene	15.00	105	5631	0.01	ppbv #	75
63) 1,1,2,2-Tetrachloroethane	14.00	83	2849	0.01	ppbv #	28
64) n-propylbenzene	15.89	120	1057	0.01	ppbv #	1
65) tert-Butylbenzene	17.08	119	2552	0.01	ppbv #	1
66) Benzyl Chloride	17.33	91	301	0.01	ppbv #	66
67) sec-Butylbenzene	17.63	105	3139	0.01	ppbv #	59
69) p-Isopropyltoluene	17.98	119	2606	0.01	ppbv #	26
70) n-Butylbenzene	18.88	91	2374	0.01	ppbv #	22
71) 2-Chlorotoluene	15.79	91	3102	0.01	ppbv #	45
72) 4-Ethyltoluene	16.17	105	1299	0.00	ppbv #	53
73) 1,3,5-Trimethylbenzene	16.32	105	2149	0.01	ppbv #	83
74) 1,2,4-Trimethylbenzene	17.10	105	2093	0.01	ppbv #	66
75) 1,3-Dichlorobenzene	17.33	146	3224	0.02	ppbv #	23
76) 1,4-Dichlorobenzene	17.48	146	4657	0.02	ppbv	81
77) 1,2-Dichlorobenzene	18.16	146	3048	0.02	ppbv #	36
78) Hexachloro-1,3-Butadiene	23.69	225	1887	0.03	ppbv #	18
79) Naphthalene	22.61	128	820	0.00	ppbv #	77
80) Naphthalene,2-methyl-	25.26	142	464	0.01	ppbv #	68
81) 1,2,4-Trichlorobenzene	22.33	180	361	0.00	ppbv #	12

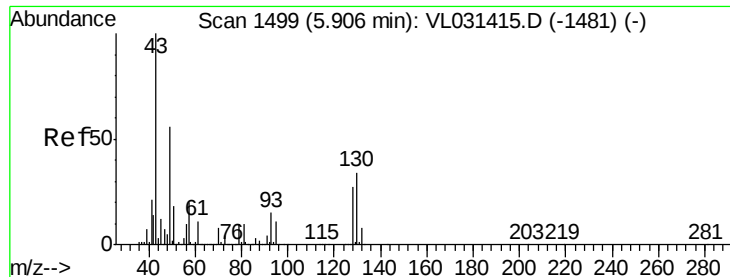
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\  
Data File : VL031433.D  
Acq On    : 23 Jan 2018    2:04  
Operator  : SY/AP  
Sample    : J1089-08 0.025 MDL  
Misc      : 400ml/MSVOA_L  
ALS Vial  : 1    Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

Quant Time: Jan 23 06:23:20 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: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

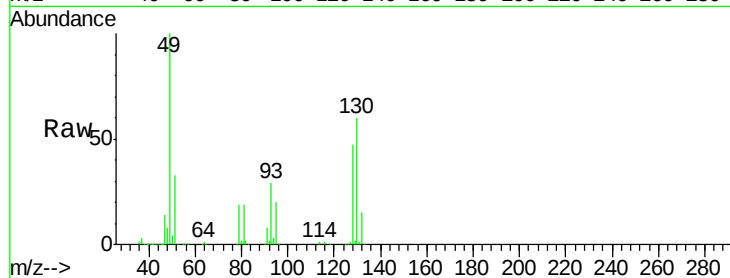
Tgt Ion: 49 Resp: 1209087

Ion Ratio Lower Upper

49 100

128 45.2 23.5 70.6

130 58.3 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

5.91

800000

600000

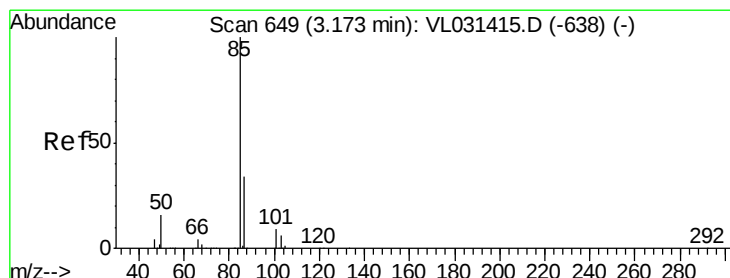
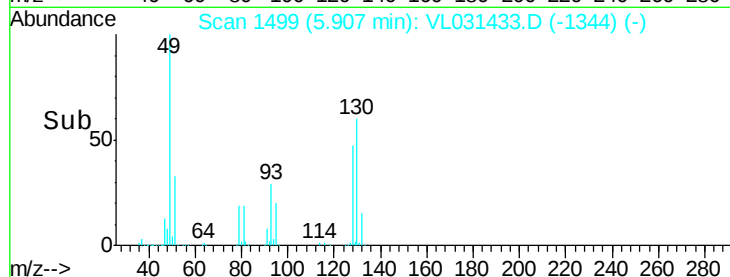
400000

200000

0

5.85 5.90 5.95 6.00

Time-->



#2

Dichlorodifluoromethane

Concen: 0.05 ppbv

RT: 3.18 min Scan# 650

Delta R.T. 0.00 min

Lab File: VL031433.D

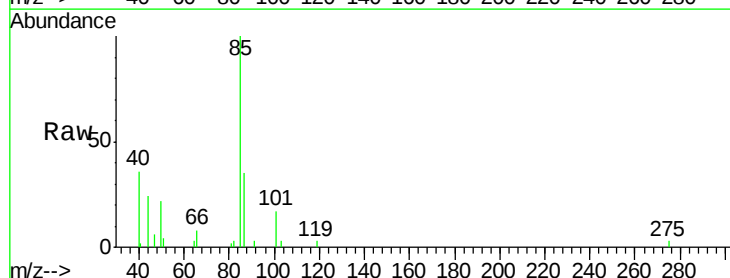
Acq: 23 Jan 2018 2:04

Tgt Ion: 85 Resp: 8992

Ion Ratio Lower Upper

85 100

87 34.7 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.18

6000

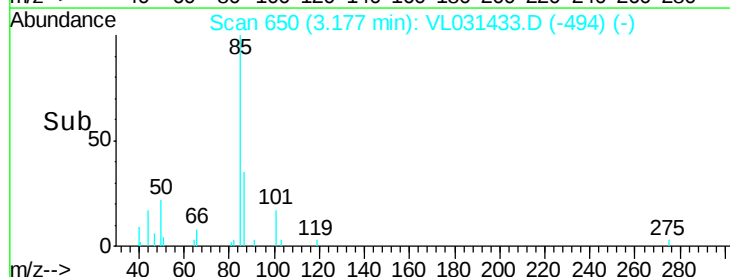
4000

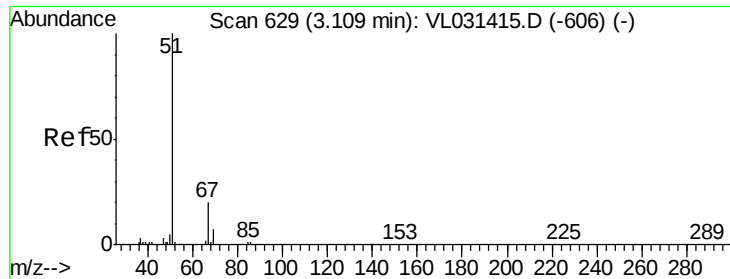
2000

0

3.15 3.20

Time-->





#3

Chlorodifluoromethane

Concen: 0.03 ppbv

RT: 3.12 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

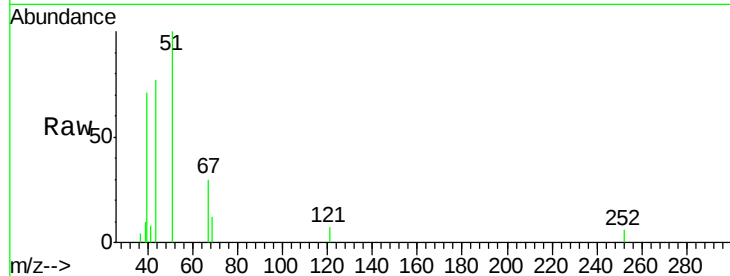
MDL-AIR-1DL

Tgt Ion: 51 Resp: 4809

Ion Ratio Lower Upper

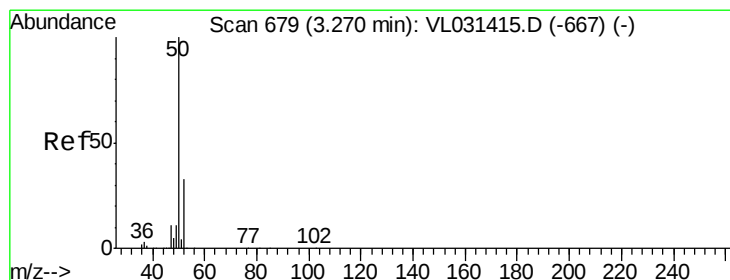
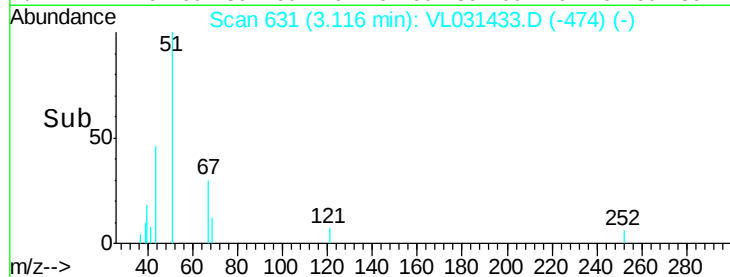
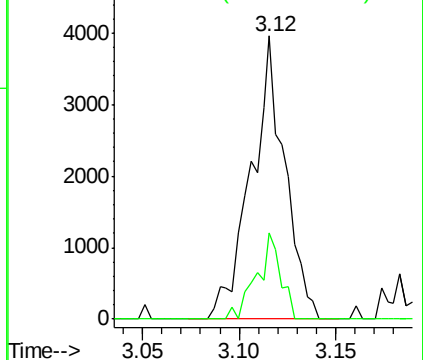
51 100

67 21.3 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: 0.01 ppbv

RT: 3.27 min Scan# 678

Delta R.T. -0.01 min

Lab File: VL031433.D

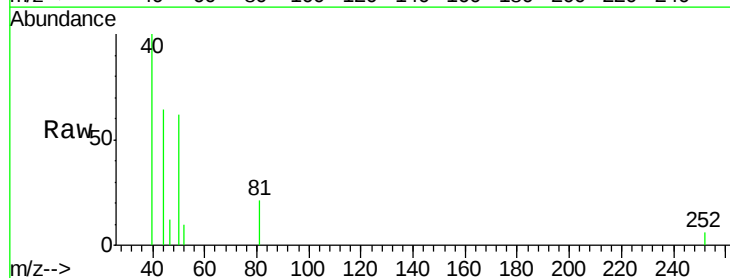
Acq: 23 Jan 2018 2:04

Tgt Ion: 50 Resp: 989

Ion Ratio Lower Upper

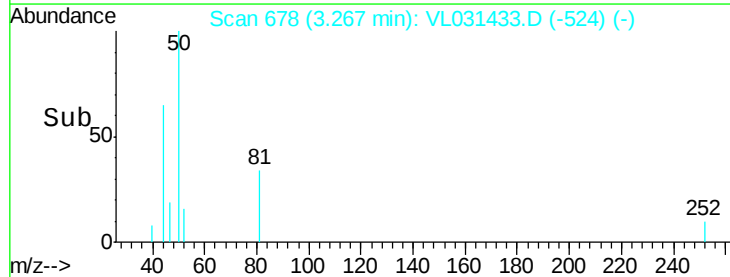
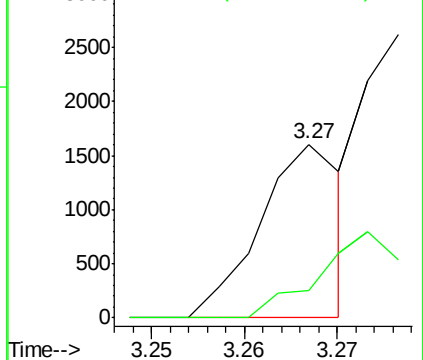
50 100

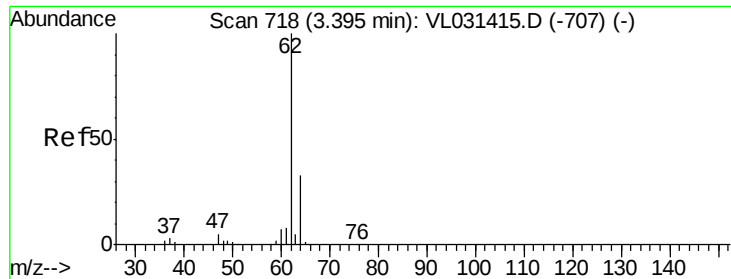
52 15.6 26.4 39.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.04 ppbv

RT: 3.41 min Scan# 721

Delta R.T. 0.01 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

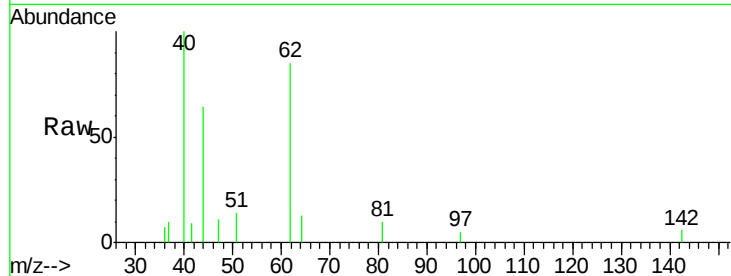
MDL-AIR-1DL

Tgt Ion: 62 Resp: 2629

Ion Ratio Lower Upper

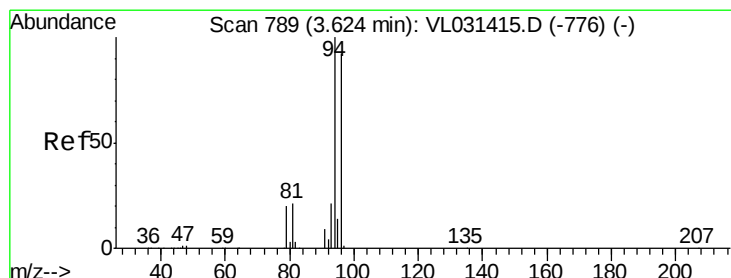
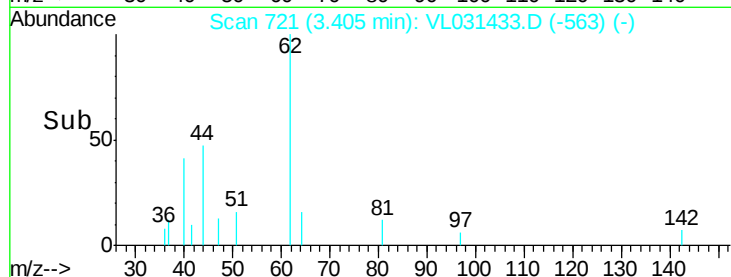
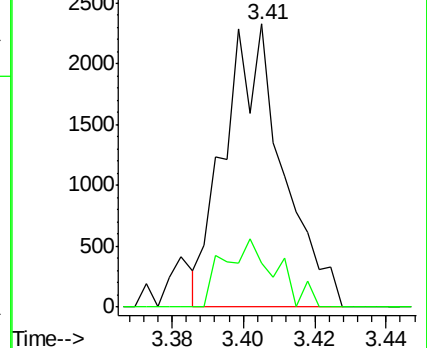
62 100

64 15.7 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: 0.02 ppbv

RT: 3.62 min Scan# 789

Delta R.T. -0.00 min

Lab File: VL031433.D

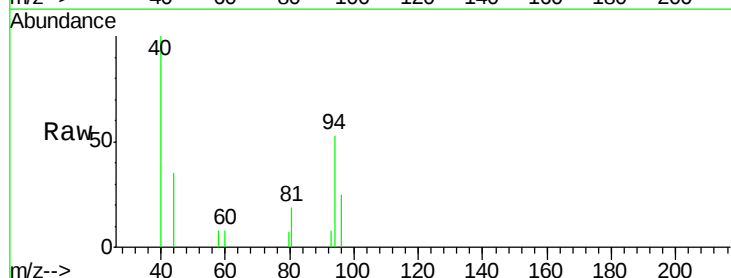
Acq: 23 Jan 2018 2:04

Tgt Ion: 94 Resp: 1236

Ion Ratio Lower Upper

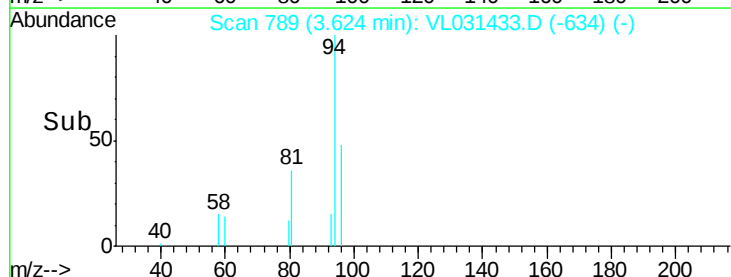
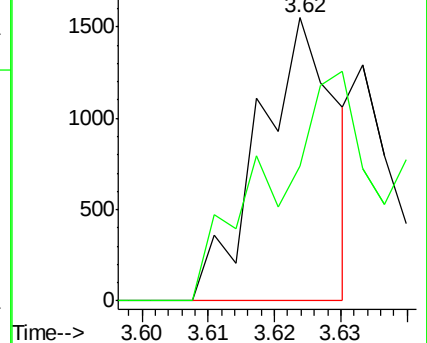
94 100

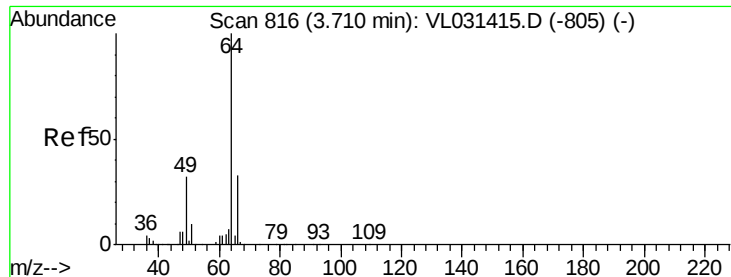
96 47.6 75.1 112.7#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.01 ppbv

RT: 3.71 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

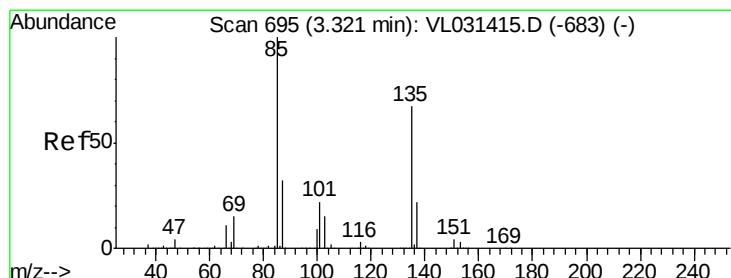
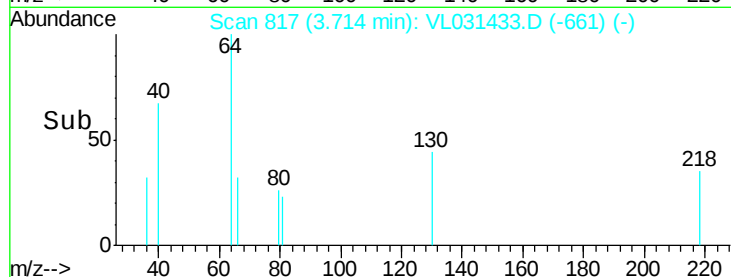
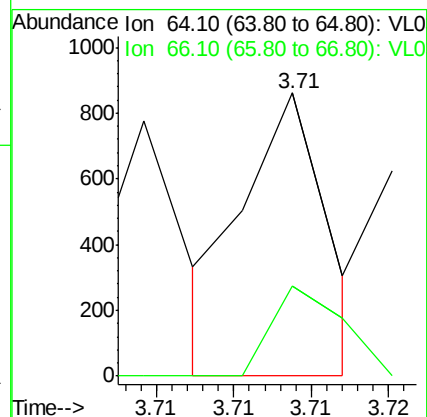
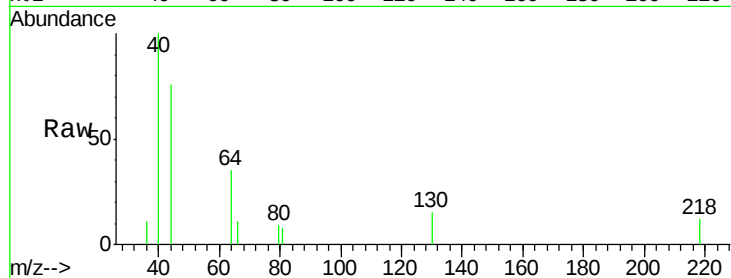
MDL-AIR-1DL

Tgt Ion: 64 Resp: 322

Ion Ratio Lower Upper

64 100

66 31.7 26.3 39.5



#8

Dichlorotetrafluoroethane

Concen: 0.04 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL031433.D

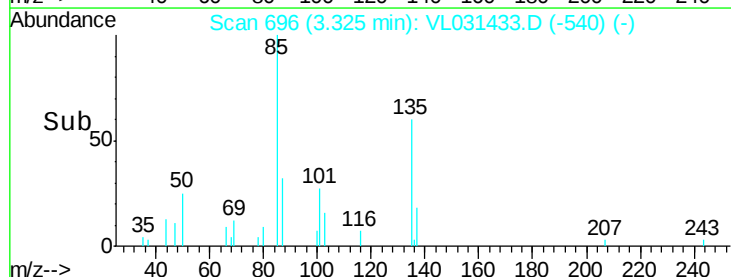
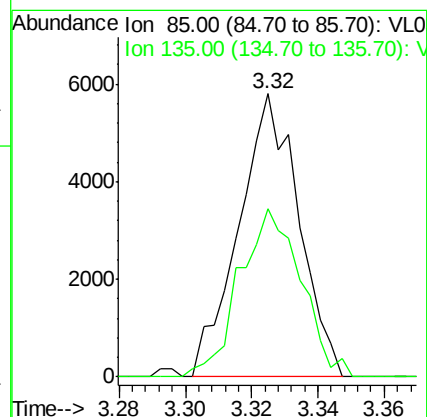
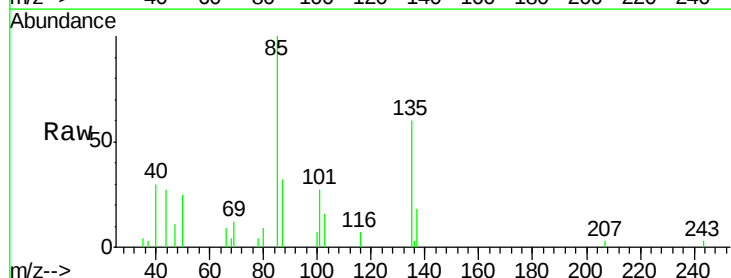
Acq: 23 Jan 2018 2:04

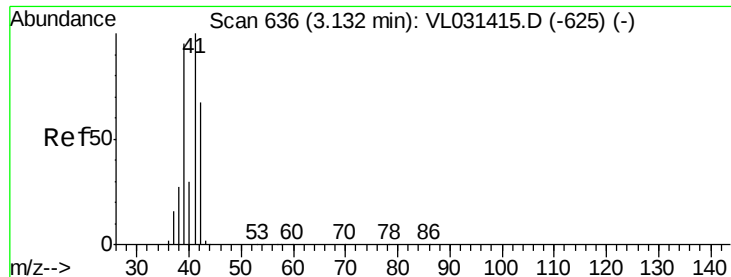
Tgt Ion: 85 Resp: 7289

Ion Ratio Lower Upper

85 100

135 60.8 53.3 79.9





#9

Propene

Concen: 0.00 ppbv

RT: 3.50 min Scan# 752

Delta R.T. 0.37 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

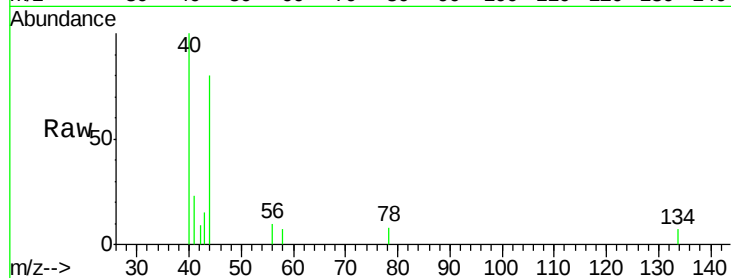
MDL-AIR-1DL

Tgt Ion: 41 Resp: 227

Ion Ratio Lower Upper

41 100

42 71.8 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.50

3.51

3.52

3.53

3.54

3.55

3.56

3.57

3.58

3.59

3.60

3.61

3.62

3.63

3.64

3.65

3.66

3.67

3.68

3.69

3.70

3.71

3.72

3.73

3.74

3.75

3.76

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3.79

3.80

3.81

3.82

3.83

3.84

3.85

3.86

3.87

3.88

3.89

3.90

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3.96

3.97

3.98

3.99

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4.87

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4.89

4.90

4.91

4.92

4.93

4.94

4.95

4.96

4.97

4.98

4.99

5.00

5.01

5.02

5.03

5.04

5.05

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6.00

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6.02

6.03

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6.14

6.15

6.16

6.17

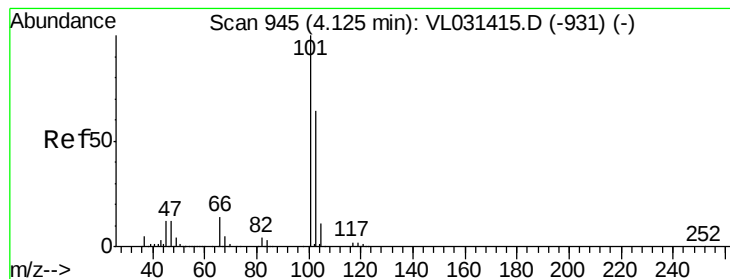
6.18

6.19

6.20

6.21

6.22



#11

Trichlorofluoromethane

Concen: 0.02 ppbv

RT: 4.13 min Scan# 945

Delta R.T. 0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

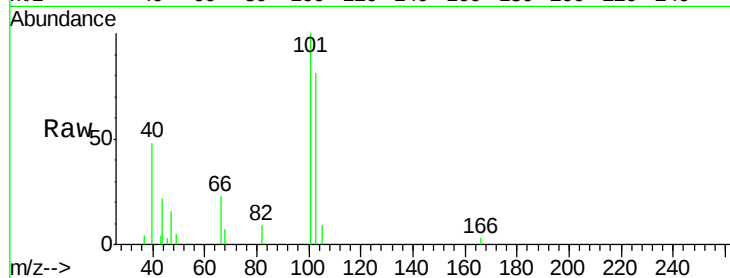
MDL-AIR-1DL

Tgt Ion:101 Resp: 5566

Ion Ratio Lower Upper

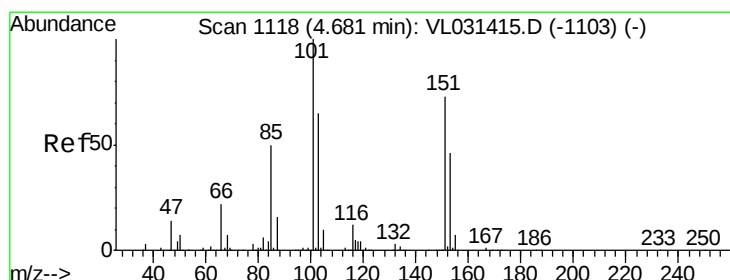
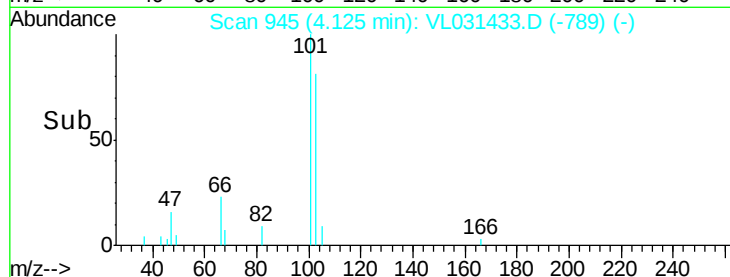
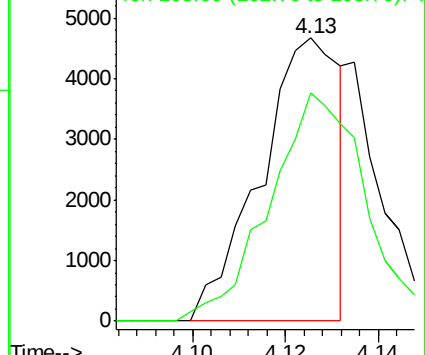
101 100

103 77.7 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.02 ppbv

RT: 4.68 min Scan# 1117

Delta R.T. -0.01 min

Lab File: VL031433.D

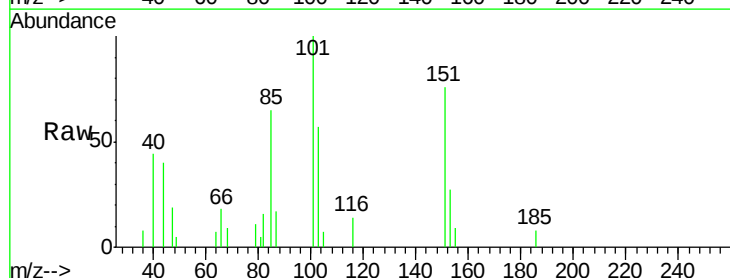
Acq: 23 Jan 2018 2:04

Tgt Ion:101 Resp: 2448

Ion Ratio Lower Upper

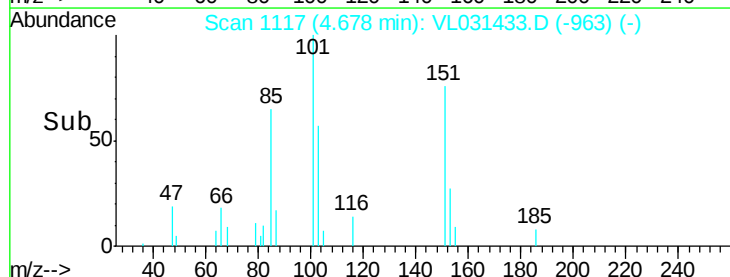
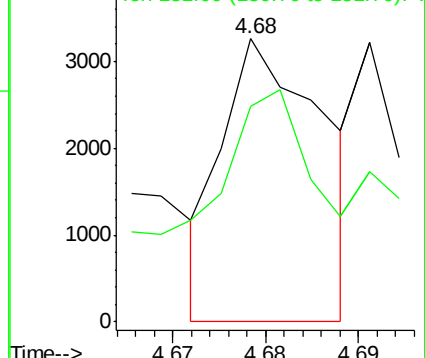
101 100

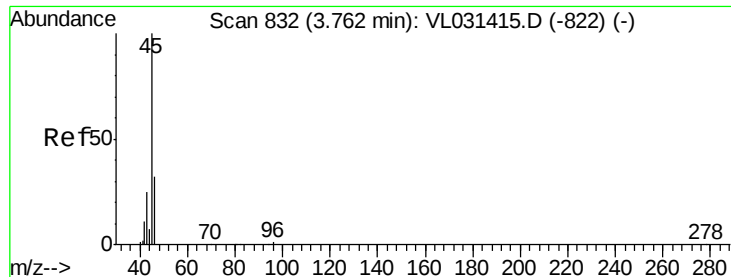
151 146.8 58.1 87.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.04 ppbv

RT: 3.79 min Scan# 840

Delta R.T. 0.02 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

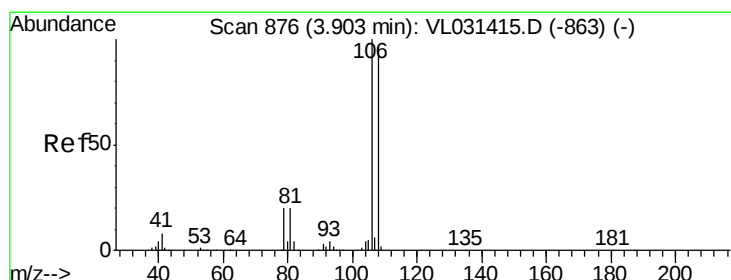
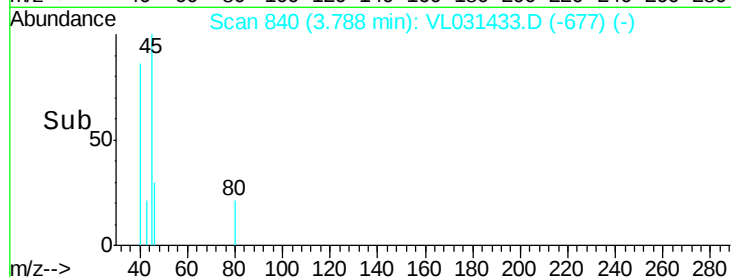
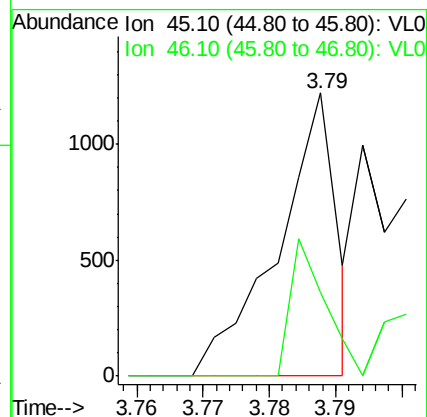
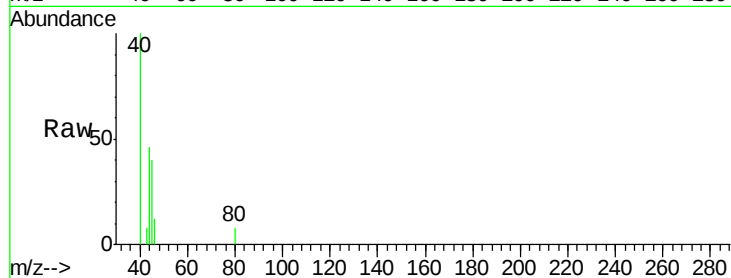
MDL-AIR-1DL

Tgt Ion: 45 Resp: 745

Ion Ratio Lower Upper

45 100

46 53.2 14.9 59.5



#14

Bromoethene

Concen: 0.02 ppbv

RT: 3.91 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

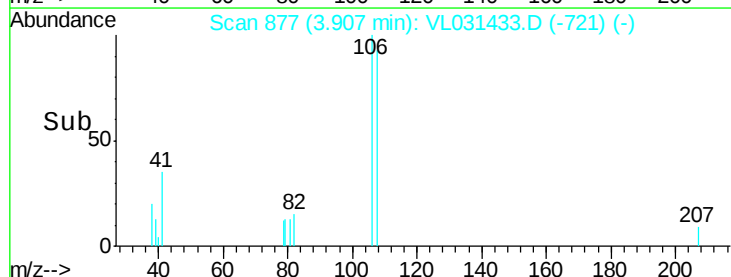
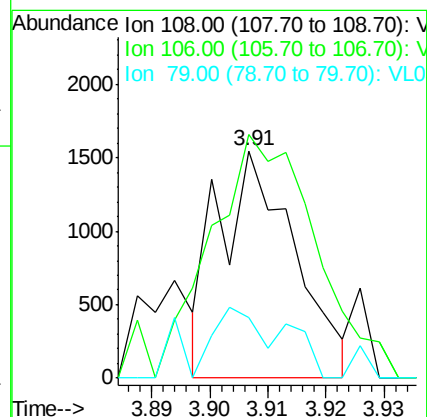
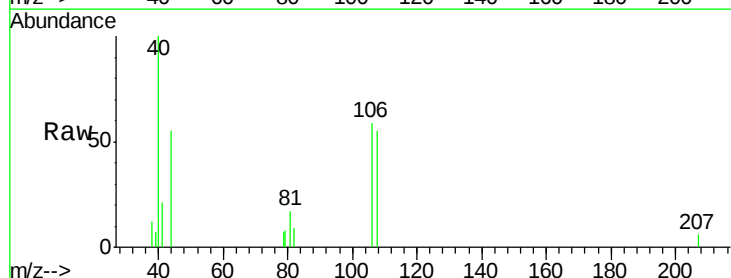
Tgt Ion: 108 Resp: 1406

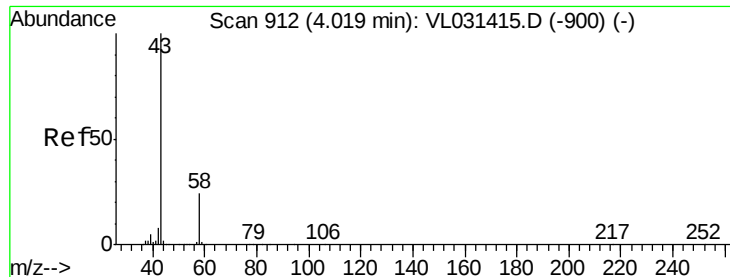
Ion Ratio Lower Upper

108 100

106 157.9 85.3 127.9#

79 40.5 16.8 25.2#





#15

Acetone

Concen: 0.04 ppbv

RT: 4.05 min Scan# 923

Delta R.T. 0.03 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

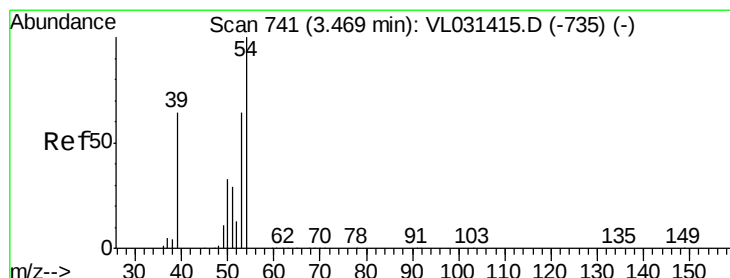
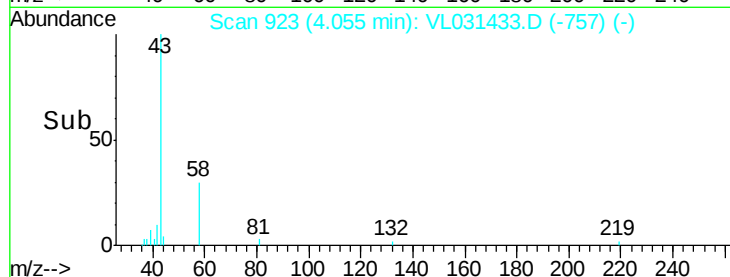
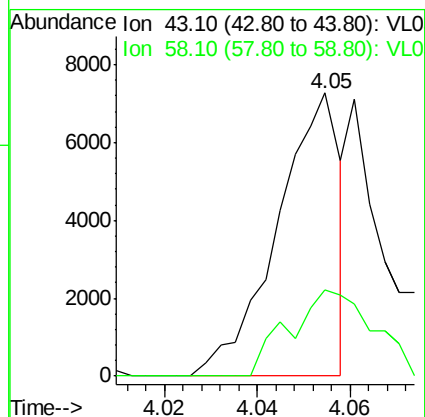
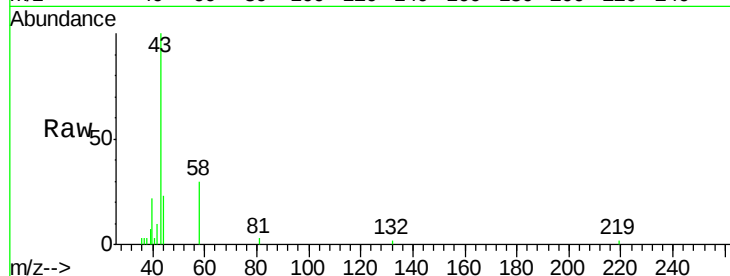
MDL-AIR-1DL

Tgt Ion: 43 Resp: 6871

Ion Ratio Lower Upper

43 100

58 45.8 19.4 29.2#



#16

1,3-Butadiene

Concen: 0.02 ppbv

RT: 3.48 min Scan# 743

Delta R.T. 0.00 min

Lab File: VL031433.D

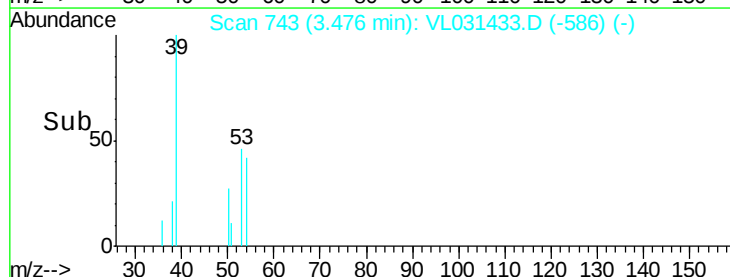
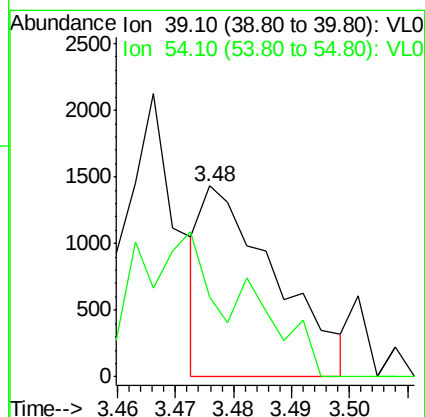
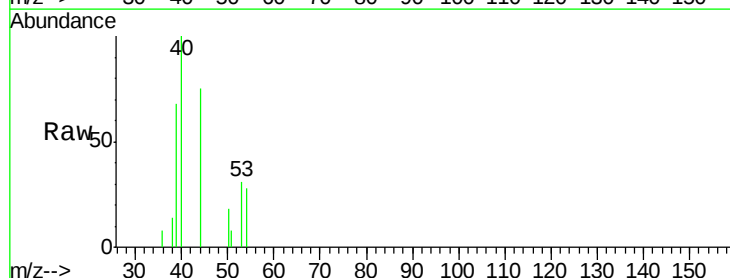
Acq: 23 Jan 2018 2:04

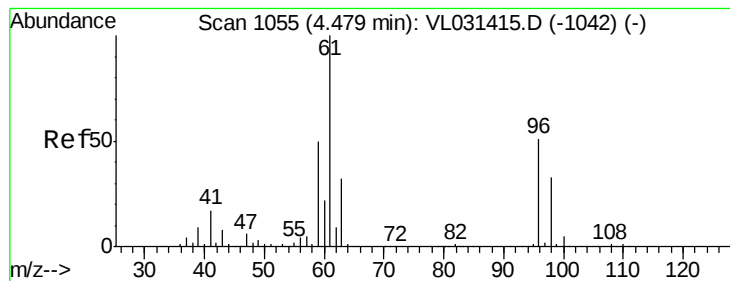
Tgt Ion: 39 Resp: 1266

Ion Ratio Lower Upper

39 100

54 108.3 67.0 100.6#



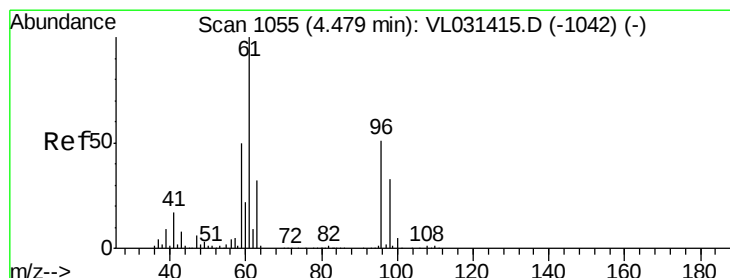
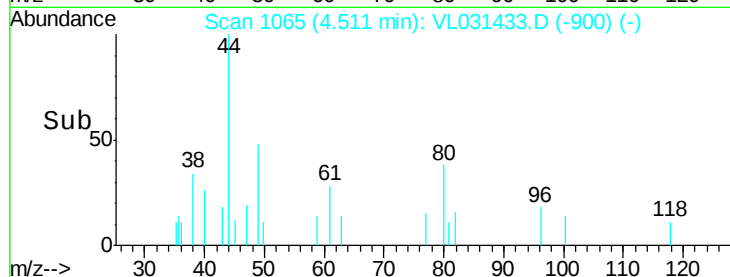
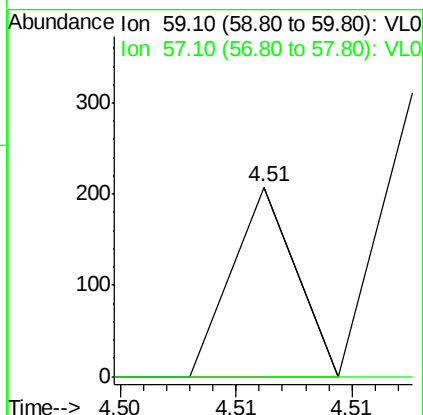
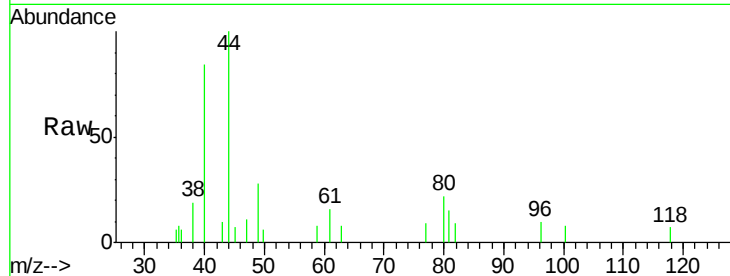


#17

tert-Butyl alcohol
 Concen: 0.00 ppbv
 RT: 4.51 min Scan# 1065
 Delta R.T. 0.03 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

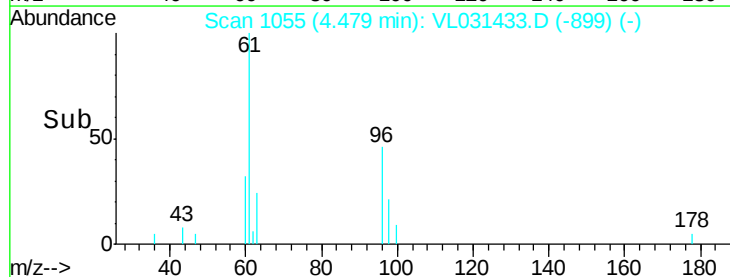
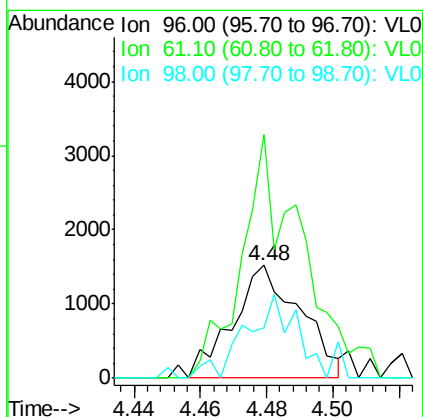
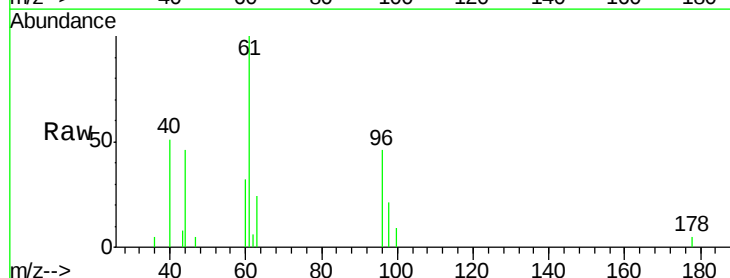
Tgt Ion: 59 Resp: 40
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

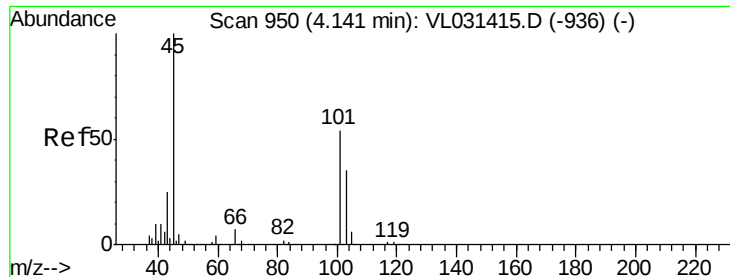


#18

1,1-Dichloroethene
 Concen: 0.03 ppbv
 RT: 4.48 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Tgt Ion: 96 Resp: 2140
 Ion Ratio Lower Upper
 96 100
 61 215.7 161.6 242.4
 98 44.7 49.6 74.4#

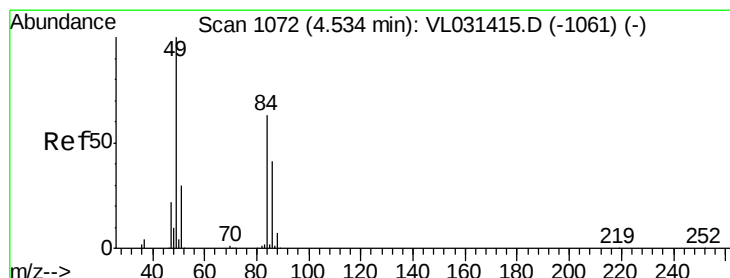
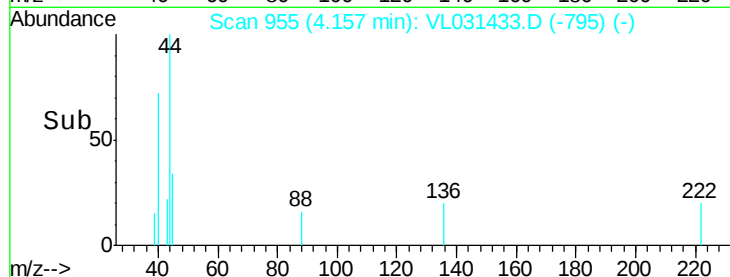
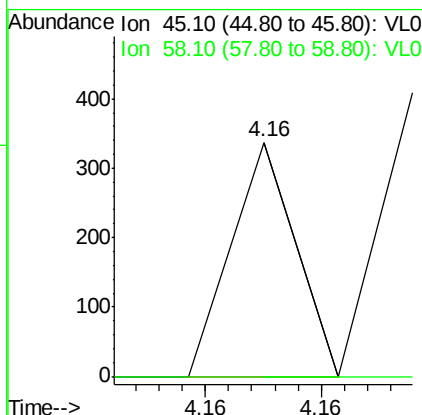
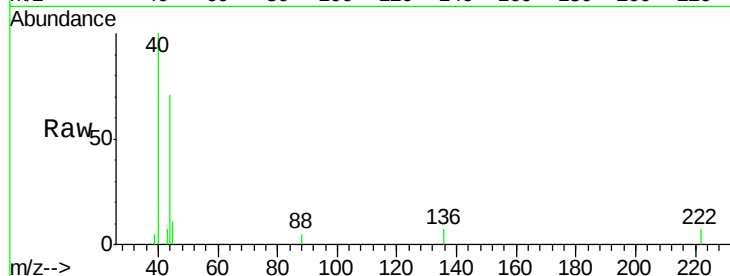




#19
Isopropyl Alcohol
Concen: 0.00 ppbv
RT: 4.16 min Scan# 955
Delta R.T. 0.01 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

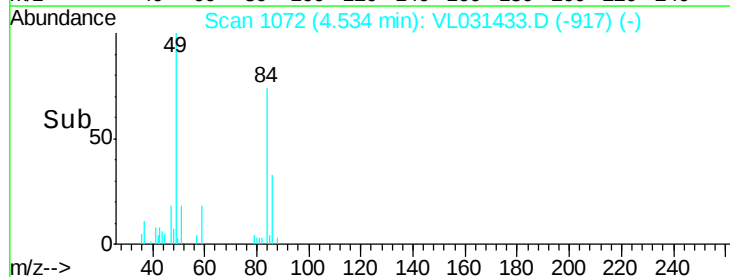
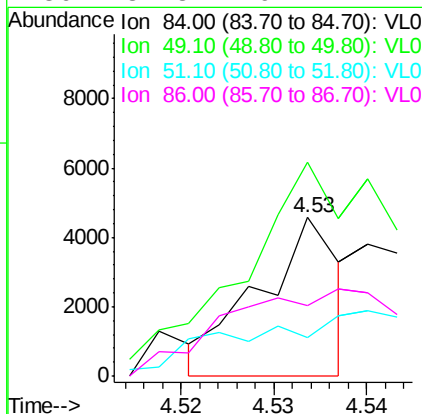
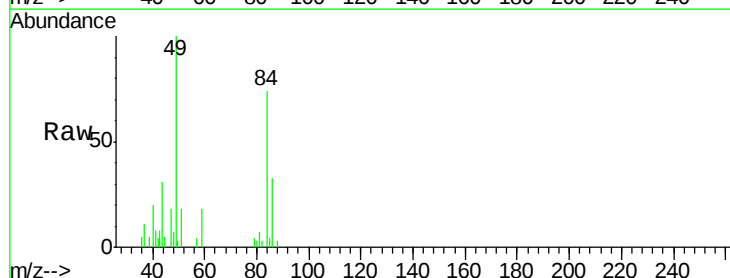
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

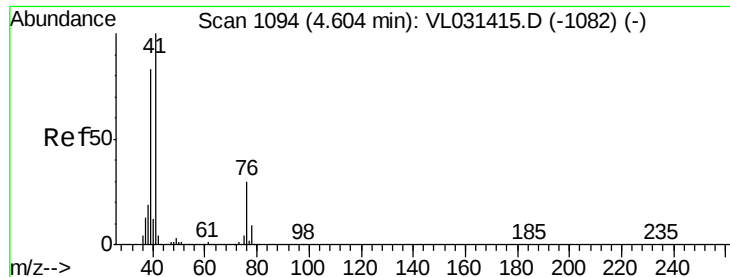
Tgt Ion: 45 Resp: 65
Ion Ratio Lower Upper
45 100
58 0.0 1.0 1.4#



#20
Methylene Chloride
Concen: 0.04 ppbv
RT: 4.53 min Scan# 1072
Delta R.T. -0.00 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

Tgt Ion: 84 Resp: 2748
Ion Ratio Lower Upper
84 100
49 132.4 123.4 185.0
51 1.0 35.6 53.4#
86 37.3 49.4 74.2#

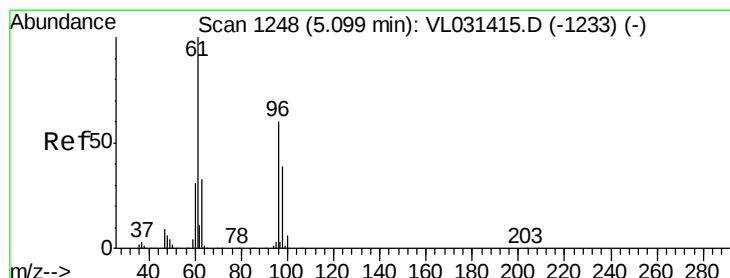
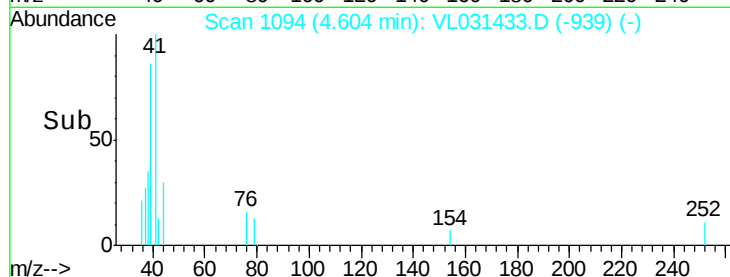
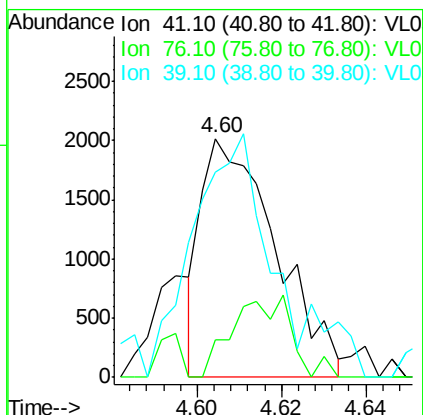
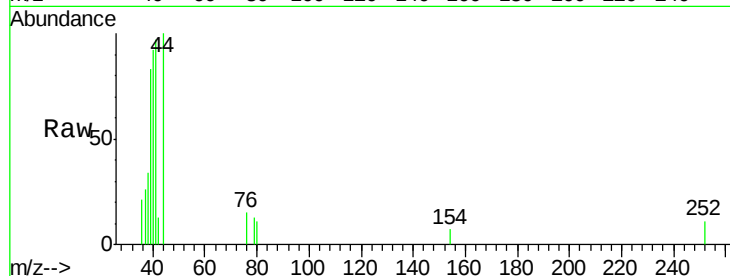




#21
 Allyl Chloride
 Concen: 0.03 ppbv
 RT: 4.60 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

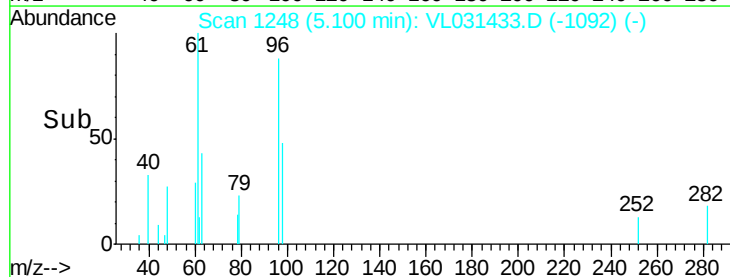
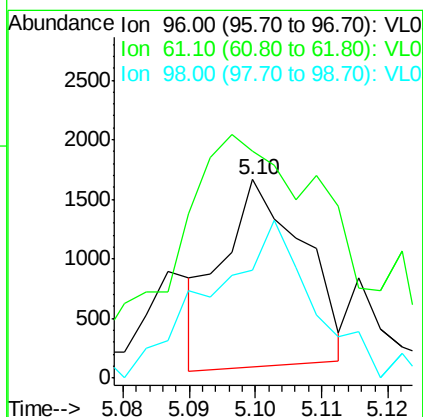
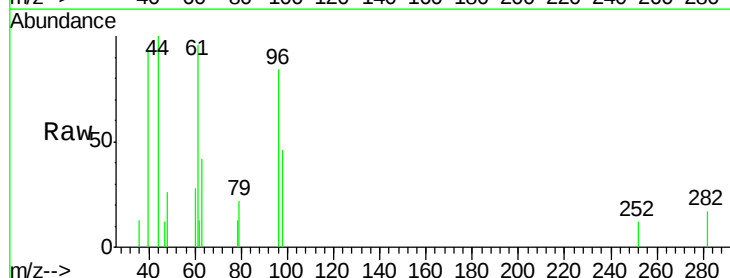
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

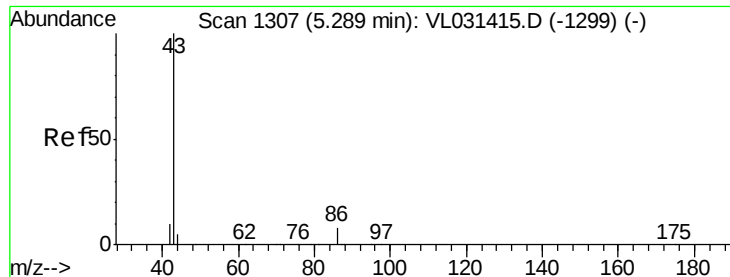
Tgt Ion: 41 Resp: 2472
 Ion Ratio Lower Upper
 41 100
 76 32.4 24.2 36.2
 39 129.3 69.8 104.8#



#22
 trans-1,2-Dichloroethene
 Concen: 0.02 ppbv
 RT: 5.10 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Tgt Ion: 96 Resp: 1330
 Ion Ratio Lower Upper
 96 100
 61 59.7 135.0 202.4#
 98 43.1 52.2 78.2#

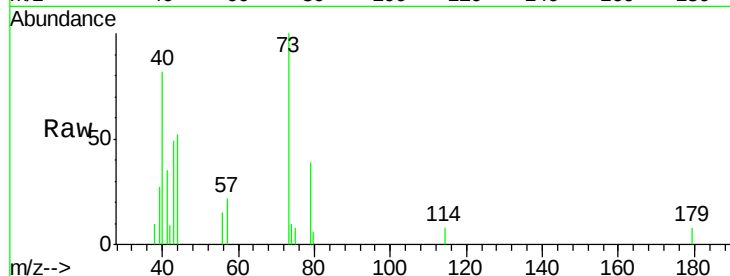




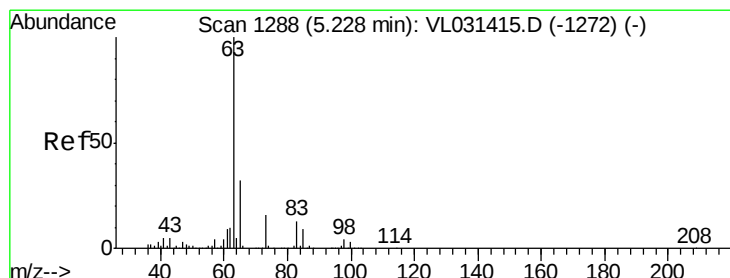
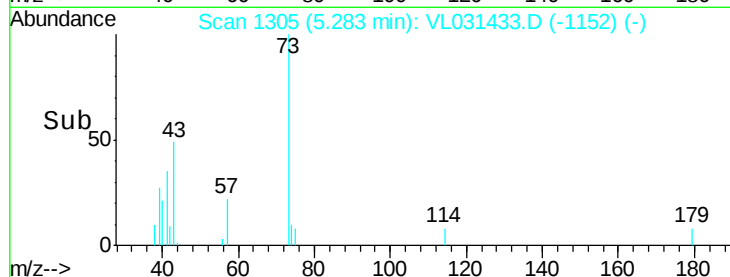
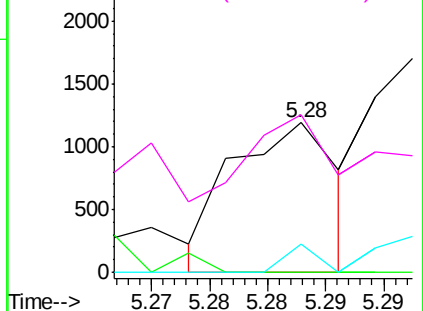
#23
 Vinyl Acetate
 Concen: 0.00 ppbv
 RT: 5.28 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

Tgt Ion: 43 Resp: 744
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.6 8.4#
 42 23.0 8.6 12.8#
 44 72.2 4.2 6.4#

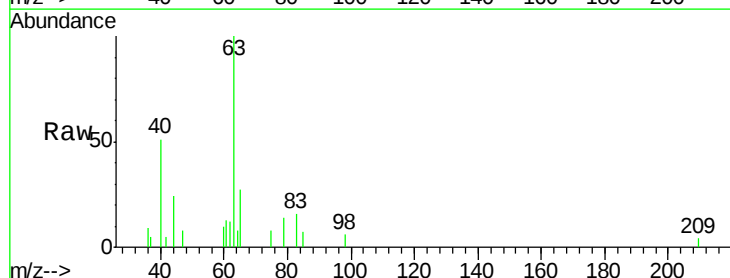


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

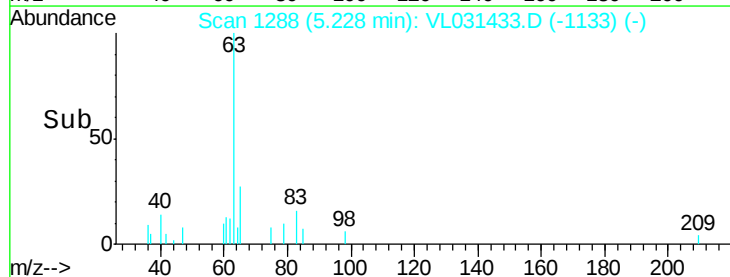
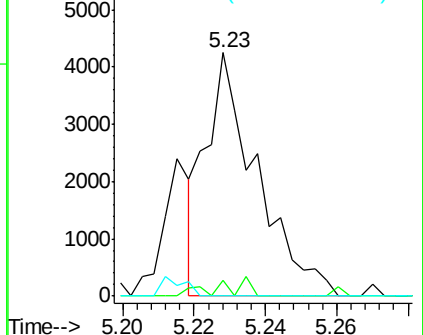


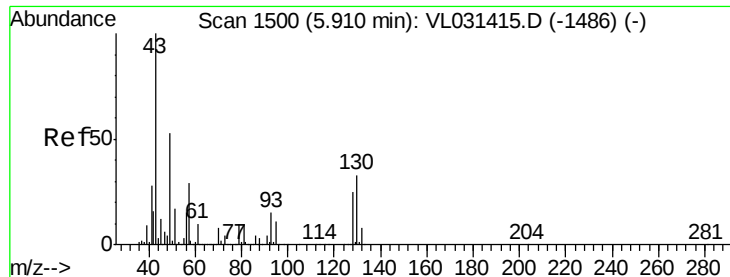
#24
 1,1-Dichloroethane
 Concen: 0.02 ppbv
 RT: 5.23 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Tgt Ion: 63 Resp: 4202
 Ion Ratio Lower Upper
 63 100
 98 2.9 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

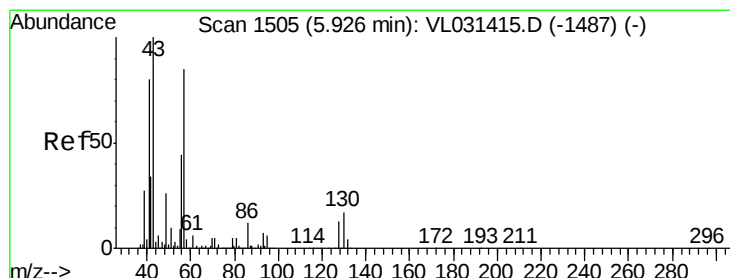
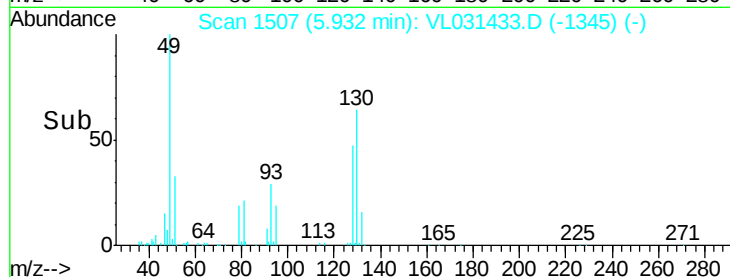
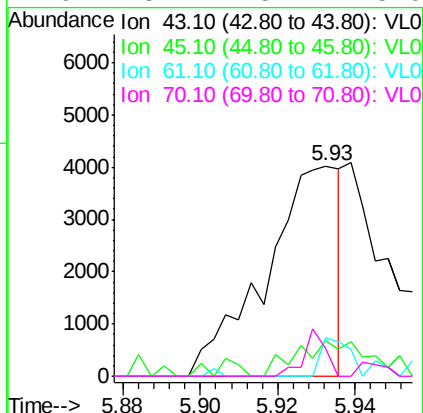
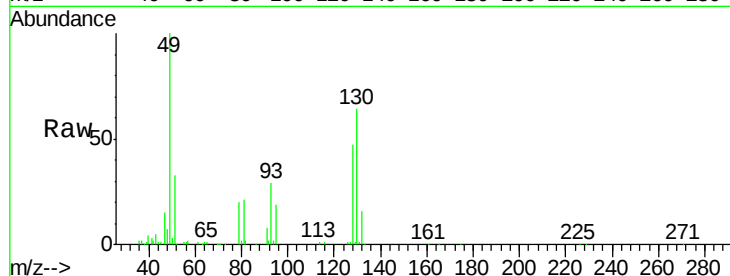




#25
Ethyl Acetate
Concen: 0.02 ppbv
RT: 5.93 min Scan# 1507
Delta R.T. 0.02 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

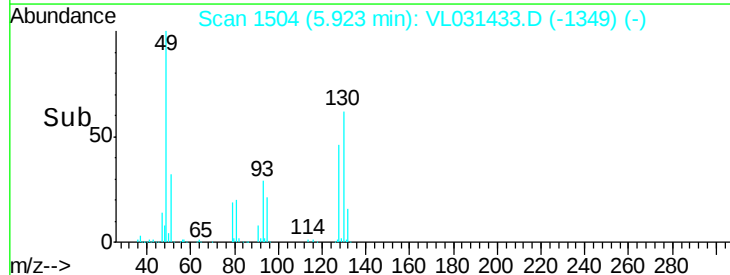
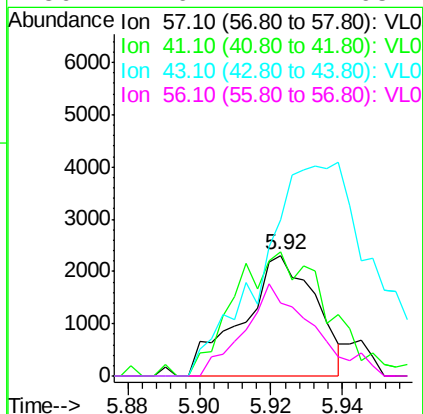
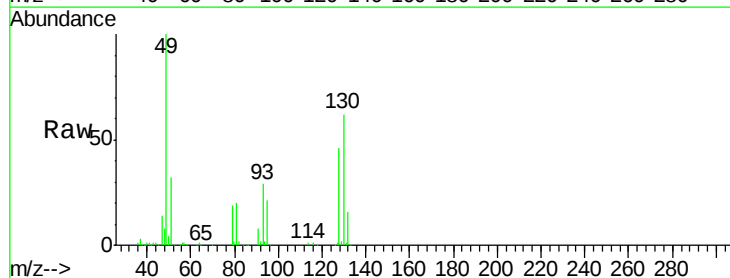
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

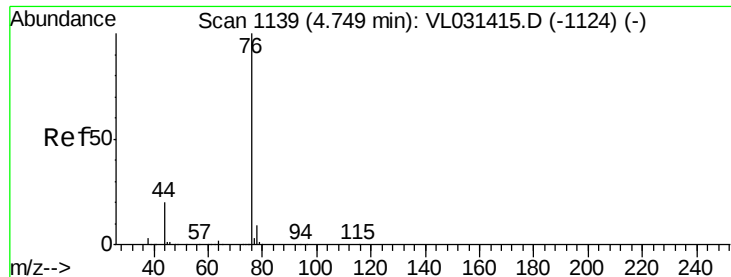
Tgt Ion:	43	Resp:	5376
Ion	Ratio	Lower	Upper
43	100		
45	19.4	7.8	11.6#
61	9.0	7.0	10.6
70	8.7	5.4	8.0#



#26
Hexane
Concen: 0.03 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

Tgt Ion:	57	Resp:	3259
Ion	Ratio	Lower	Upper
57	100		
41	133.5	77.1	115.7#
43	0.0	180.7	271.1#
56	71.6	42.2	63.2#





#27

Carbon Disulfide

Concen: 0.02 ppbv

RT: 4.75 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

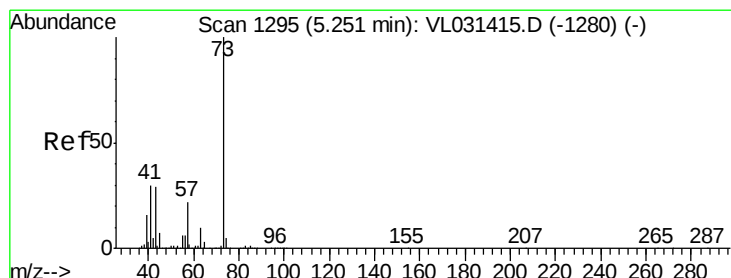
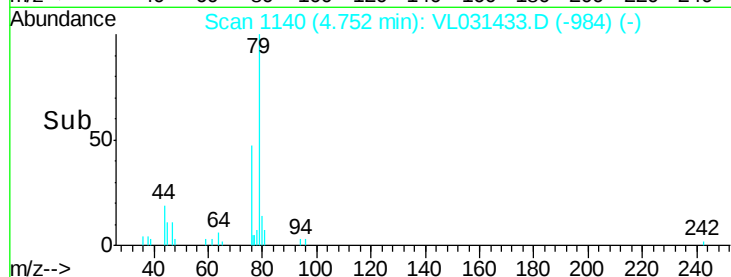
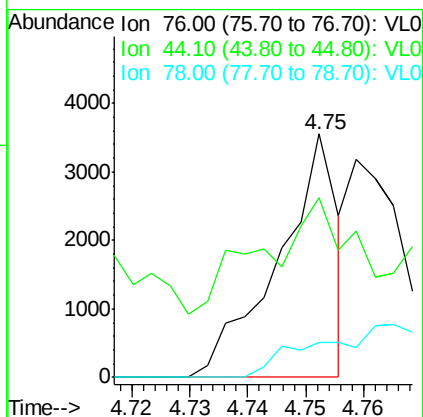
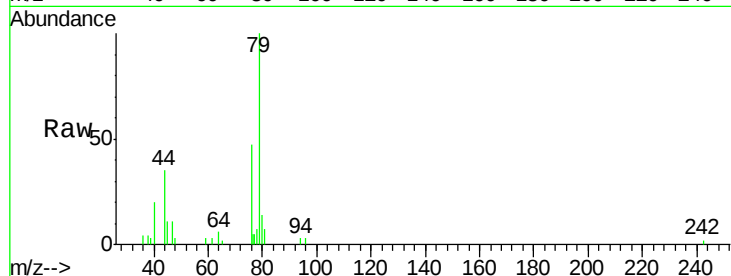
Tgt Ion: 76 Resp: 2529

Ion Ratio Lower Upper

76 100

44 106.6 16.7 25.1#

78 0.0 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 0.00 ppbv

RT: 5.26 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VL031433.D

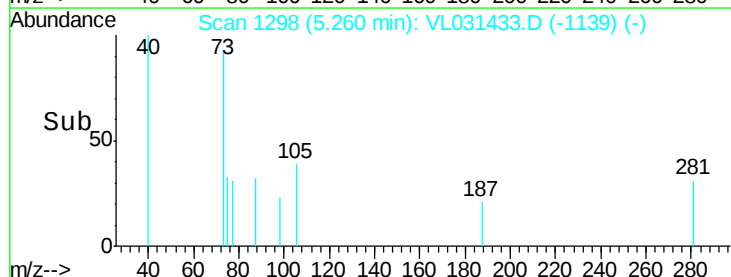
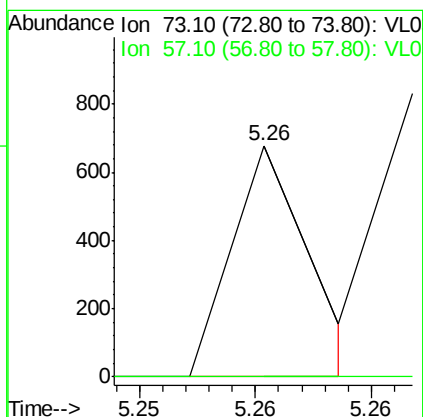
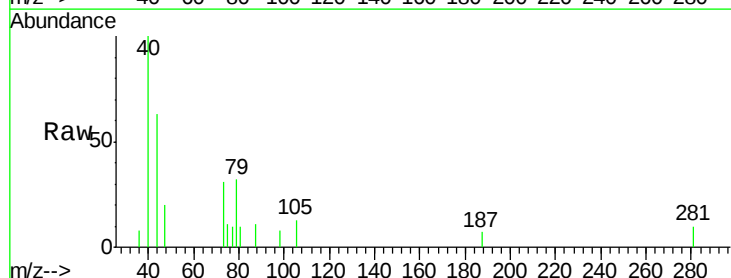
Acq: 23 Jan 2018 2:04

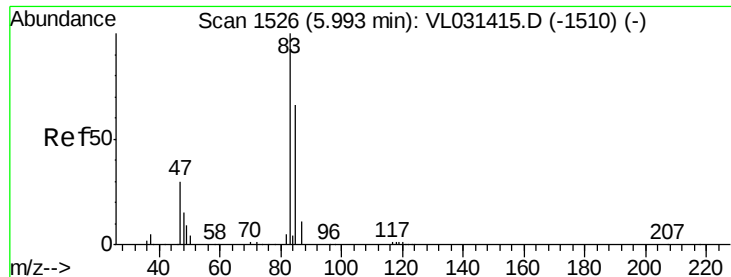
Tgt Ion: 73 Resp: 161

Ion Ratio Lower Upper

73 100

57 0.0 17.5 26.3#

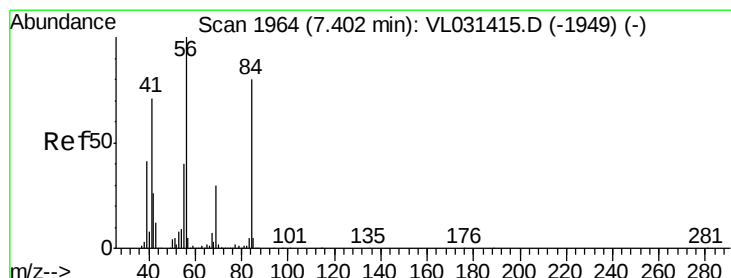
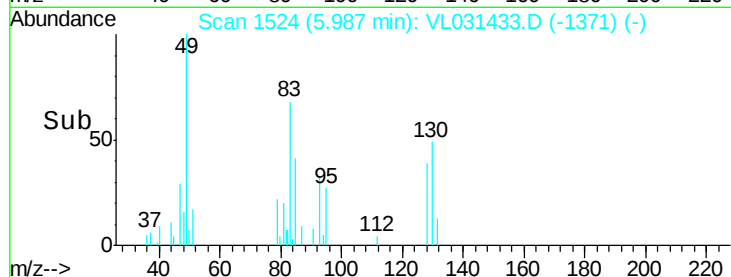
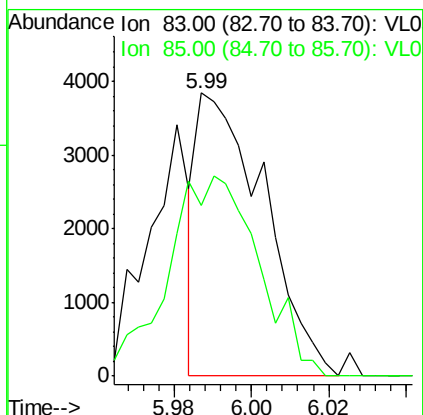
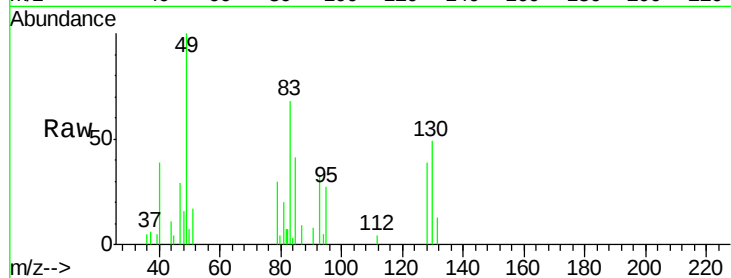




#29
Chloroform
Concen: 0.02 ppbv
RT: 5.99 min Scan# 1524
Delta R.T. -0.01 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

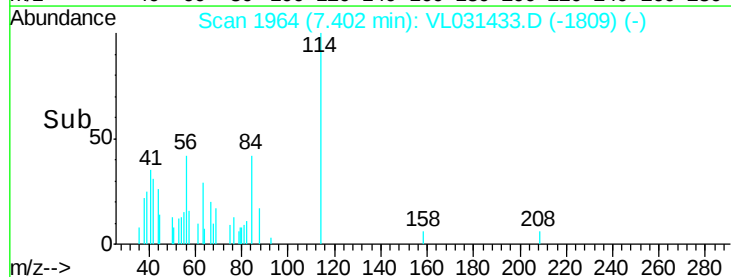
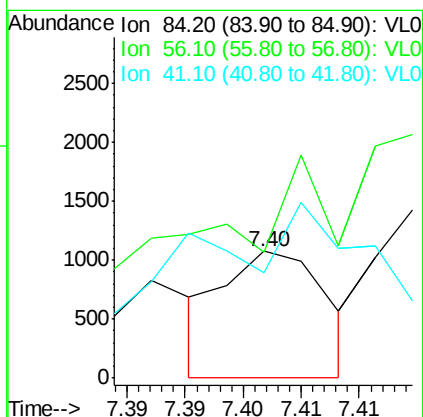
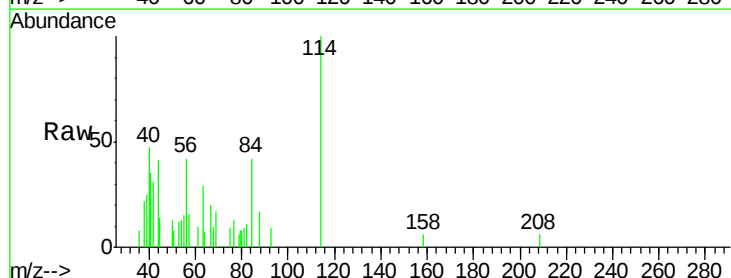
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

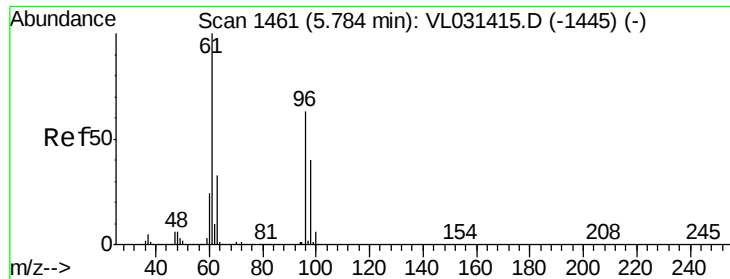
Tgt Ion: 83 Resp: 4605
Ion Ratio Lower Upper
83 100
85 60.5 51.3 76.9



#30
Cyclohexane
Concen: 0.01 ppbv
RT: 7.40 min Scan# 1964
Delta R.T. -0.00 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

Tgt Ion: 84 Resp: 659
Ion Ratio Lower Upper
84 100
56 0.0 109.0 163.4#
41 459.9 73.3 109.9#

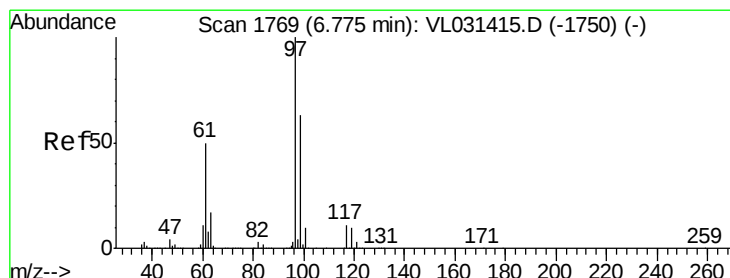
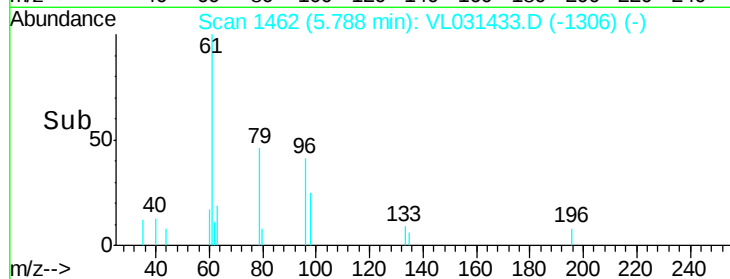
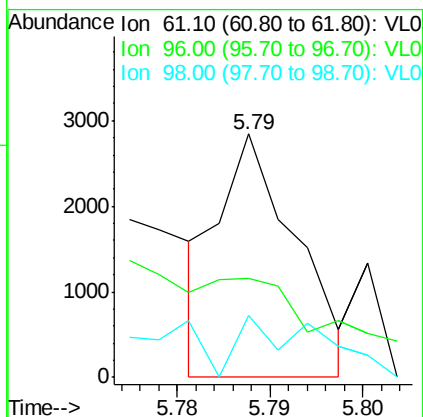
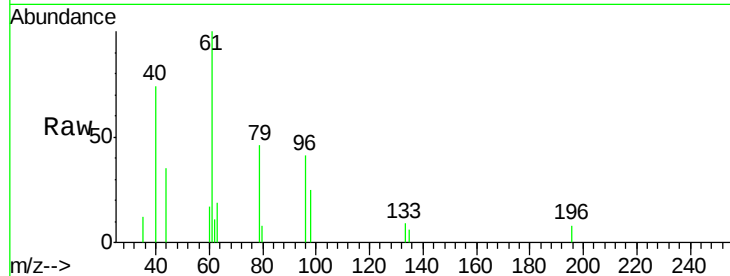




#31
 cis-1,2-Dichloroethene
 Concen: 0.01 ppbv
 RT: 5.79 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

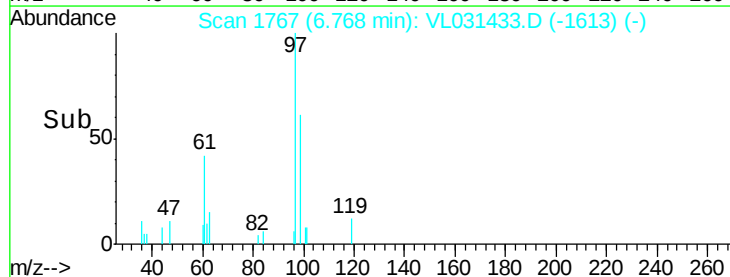
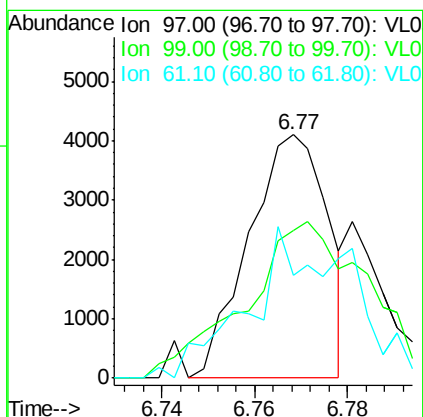
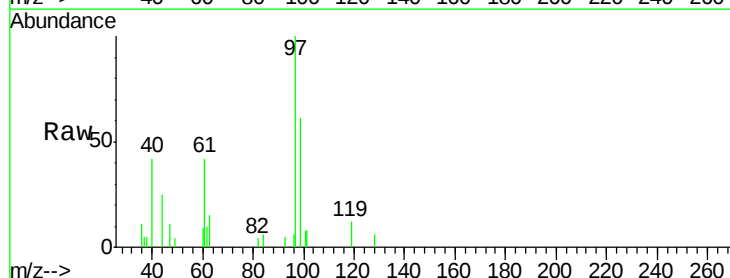
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

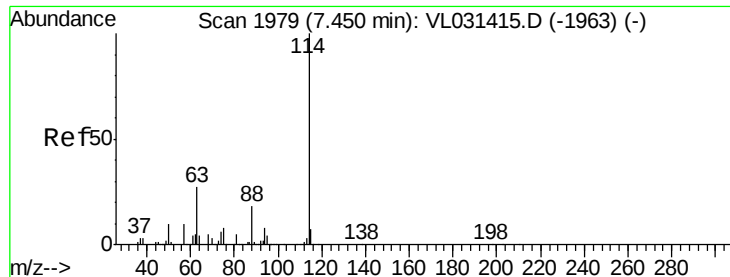
Tgt Ion: 61 Resp: 1652
 Ion Ratio Lower Upper
 61 100
 96 23.4 51.3 76.9#
 98 17.0 33.6 50.4#



#32
 1,1,1-Trichloroethane
 Concen: 0.02 ppbv
 RT: 6.77 min Scan# 1767
 Delta R.T. -0.01 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Tgt Ion: 97 Resp: 4844
 Ion Ratio Lower Upper
 97 100
 99 101.9 51.9 77.9#
 61 79.7 40.6 61.0#

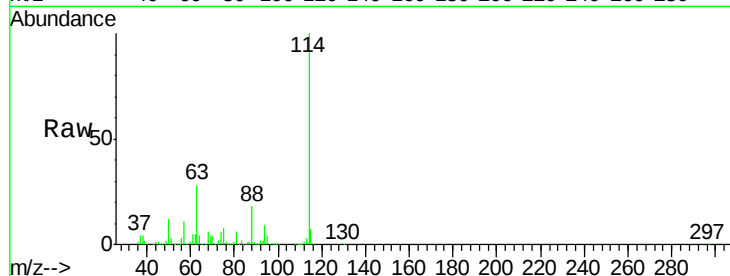




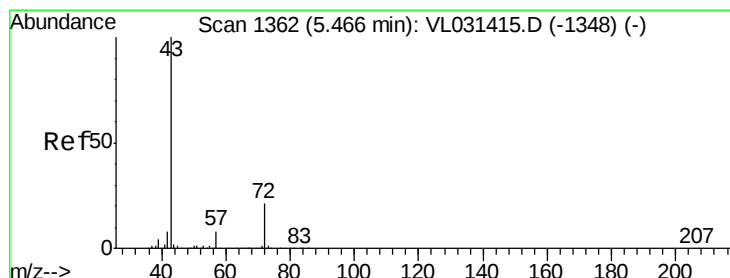
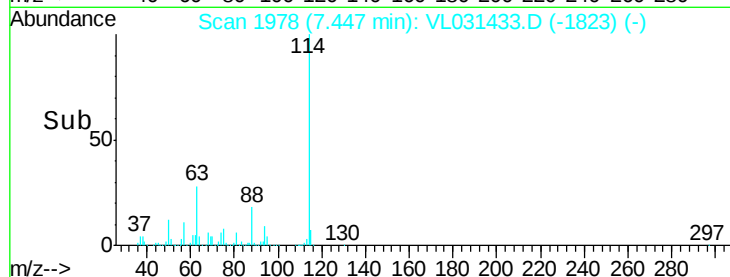
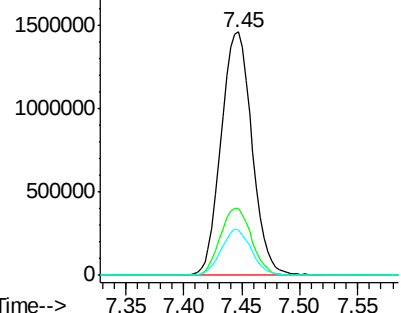
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1978
 Delta R.T. -0.00 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

Tgt Ion:114 Resp: 2698591
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.5 33.7
 88 18.5 14.6 22.0

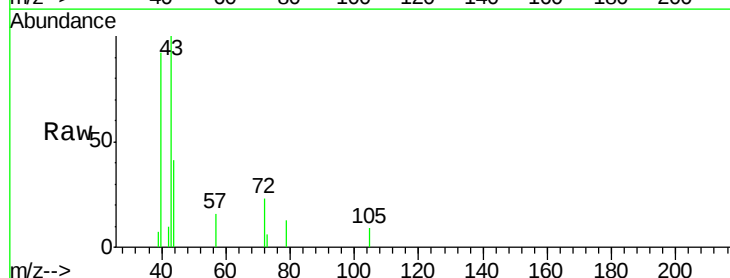


Abundance Ion 114.10 (113.80 to 114.80): V
 2000000
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

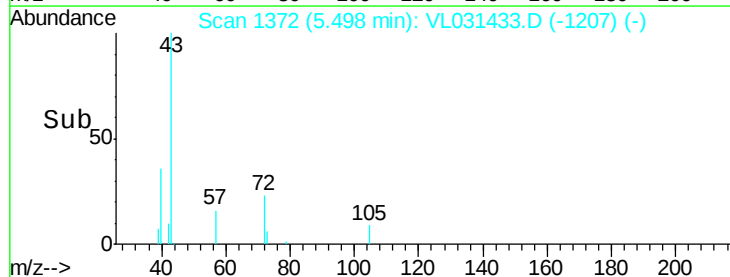
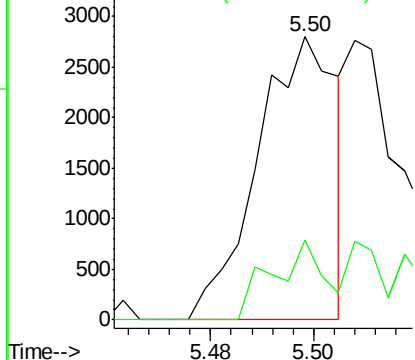


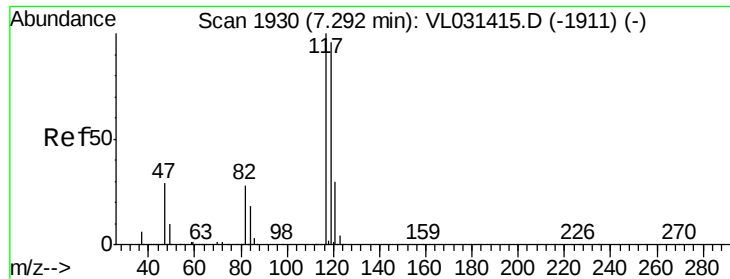
#34
 2-Butanone
 Concen: 0.02 ppbv
 RT: 5.50 min Scan# 1372
 Delta R.T. 0.03 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Tgt Ion: 43 Resp: 2977
 Ion Ratio Lower Upper
 43 100
 72 38.7 16.8 25.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 3000
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.01 ppbv

RT: 7.30 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

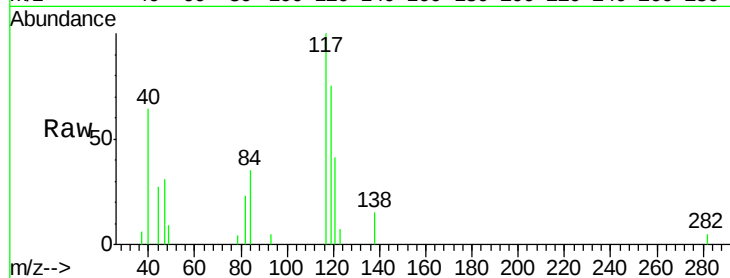
Tgt Ion: 117 Resp: 1122

Ion Ratio Lower Upper

117 100

119 56.3 74.2 111.4#

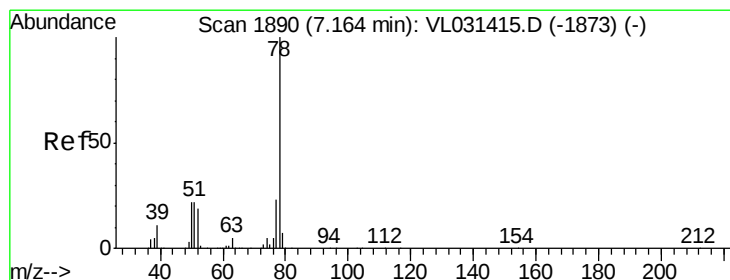
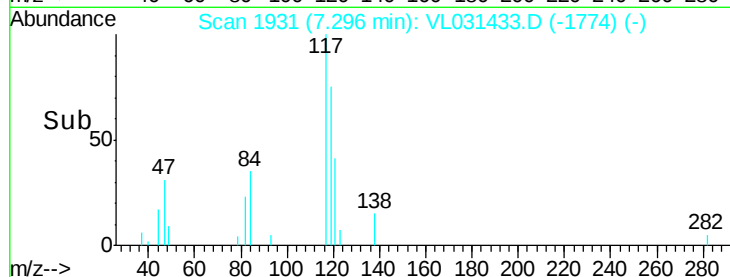
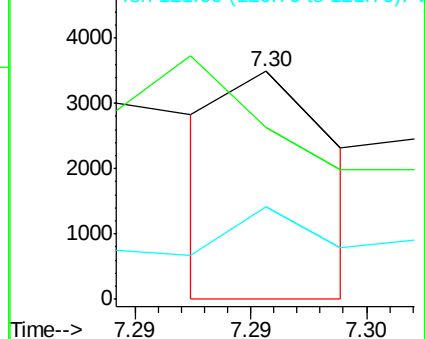
121 64.7 24.2 36.4#



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: 0.01 ppbv

RT: 7.17 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

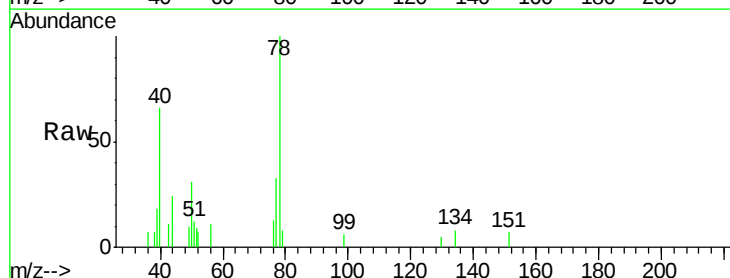
Tgt Ion: 78 Resp: 2260

Ion Ratio Lower Upper

78 100

77 32.7 18.7 28.1#

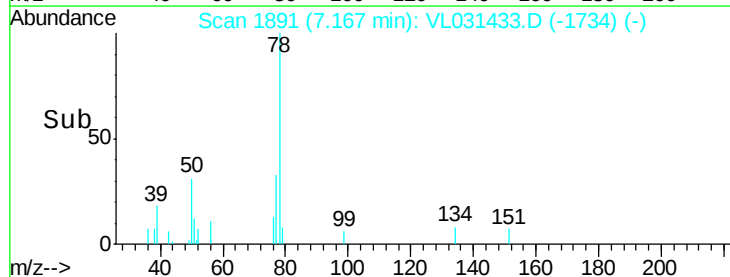
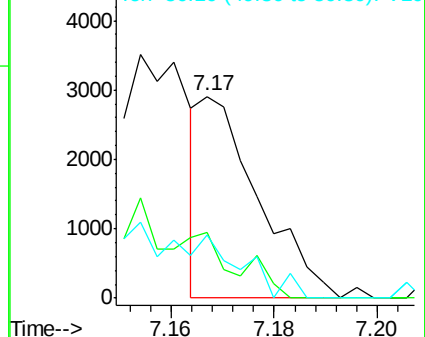
50 25.8 18.4 27.6

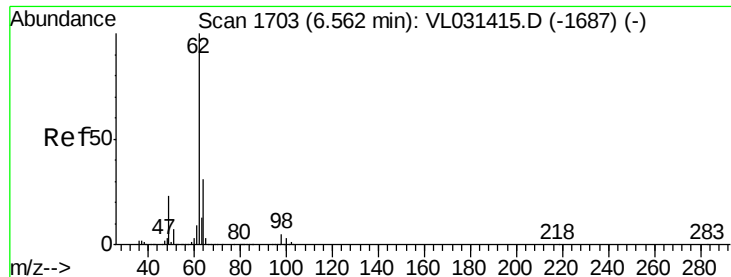


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

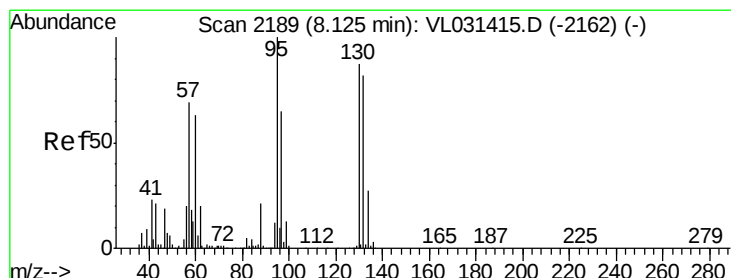
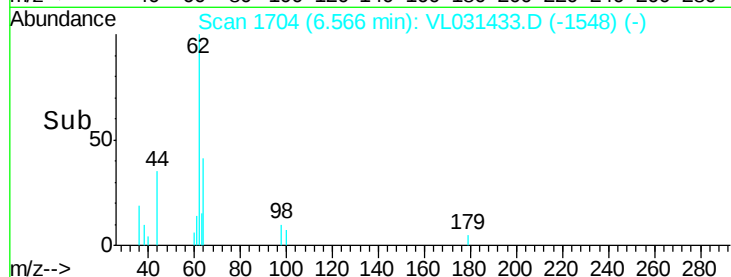
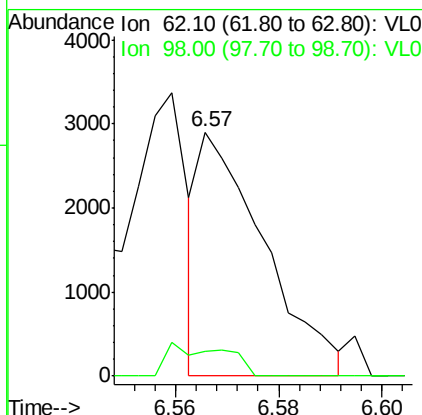
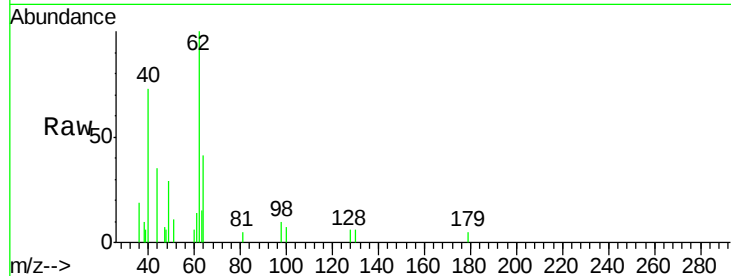




#37
 1,2-Dichloroethane
 Concen: 0.01 ppbv
 RT: 6.57 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

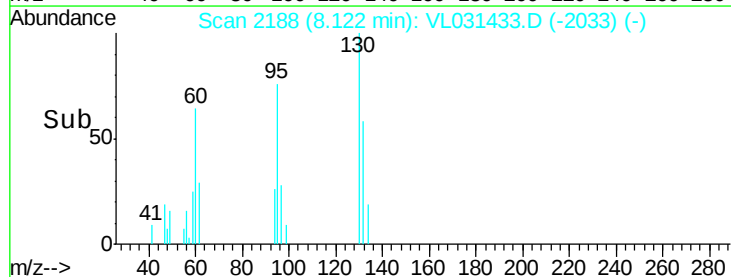
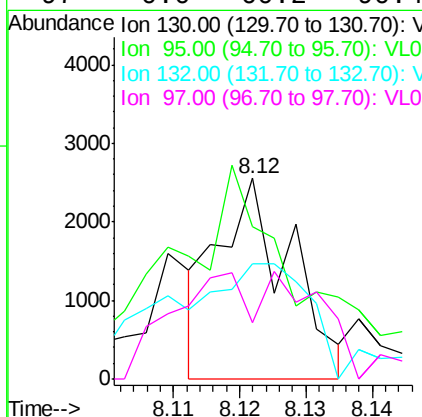
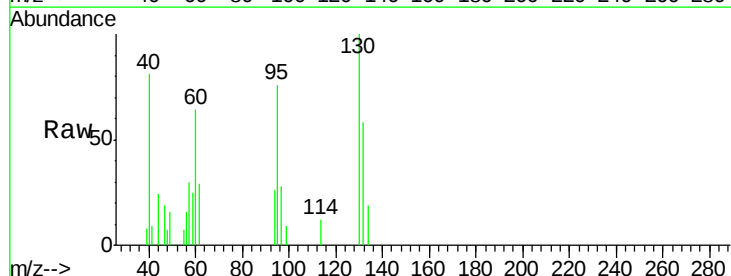
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

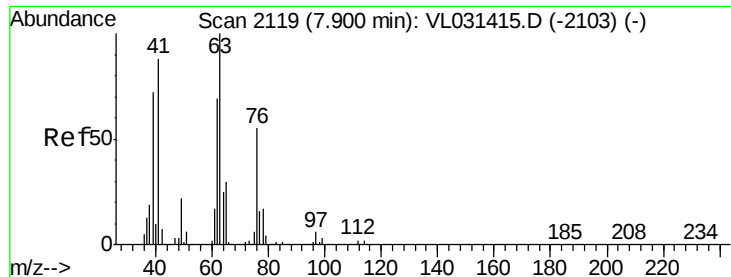
Tgt Ion: 62 Resp: 2543
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.1 6.1#



#38
 Trichloroethene
 Concen: 0.02 ppbv
 RT: 8.12 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Tgt Ion: 130 Resp: 1945
 Ion Ratio Lower Upper
 130 100
 95 41.8 92.9 139.3#
 132 69.8 74.9 112.3#
 97 0.0 60.2 90.4#

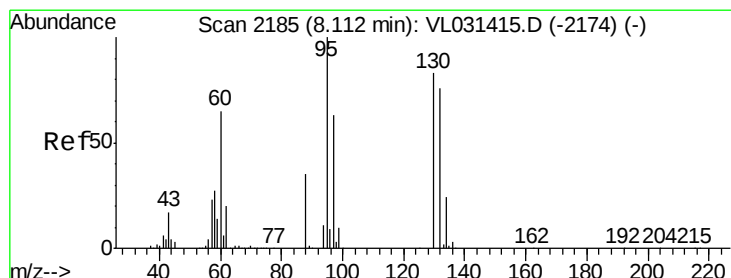
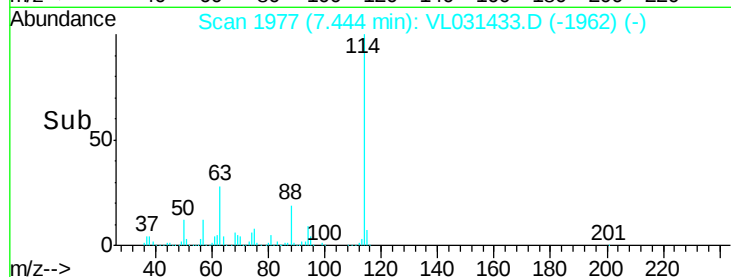
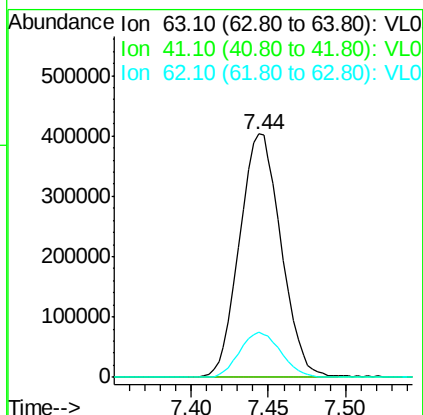
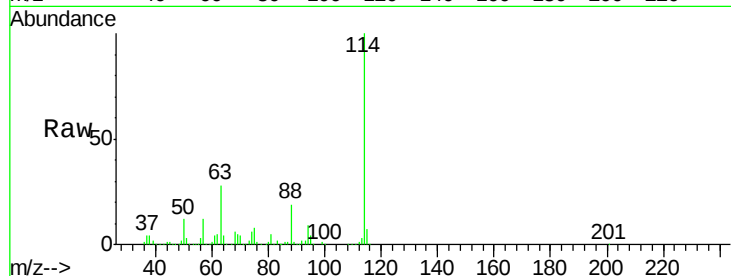




#39
 1,2-Dichloropropane
 Concen: 8.34 ppbv
 RT: 7.44 min Scan# 1977
 Delta R.T. -0.45 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

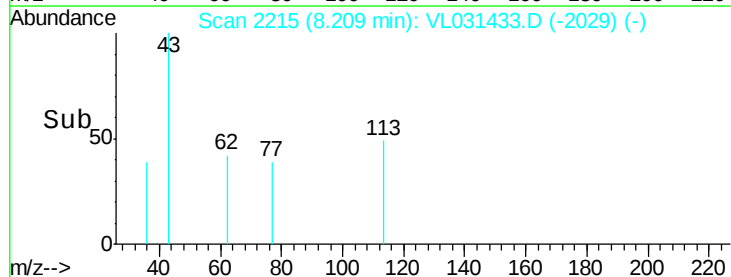
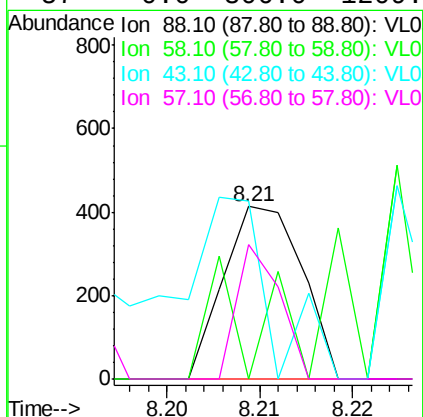
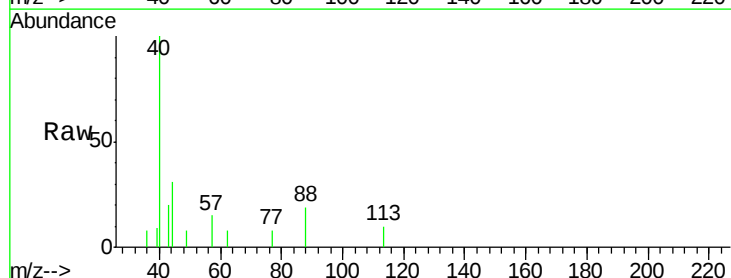
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

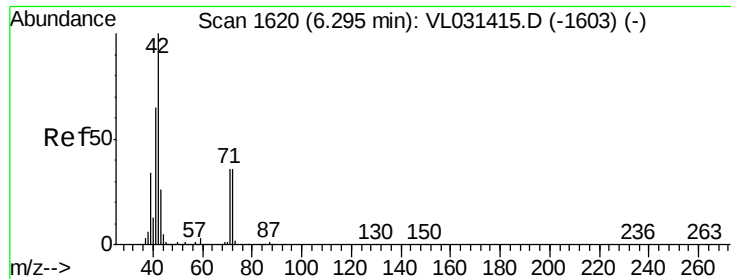
Tgt Ion: 63 Resp: 751696
 Ion Ratio Lower Upper
 63 100
 41 0.0 67.6 101.4#
 62 18.7 51.8 77.6#



#40
 1,4-Dioxane
 Concen: 0.01 ppbv
 RT: 8.21 min Scan# 2215
 Delta R.T. 0.10 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Tgt Ion: 88 Resp: 242
 Ion Ratio Lower Upper
 88 100
 58 194.6 98.2 147.2#
 43 282.2 197.3 295.9
 57 0.0 806.0 1209.0#

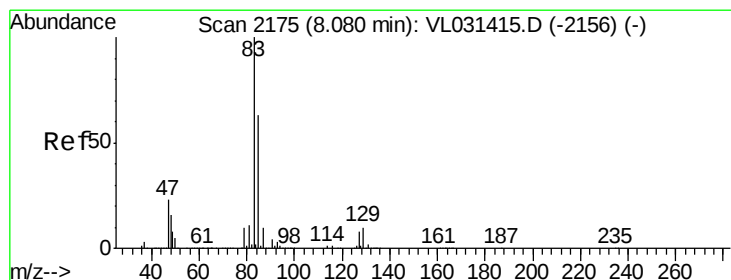
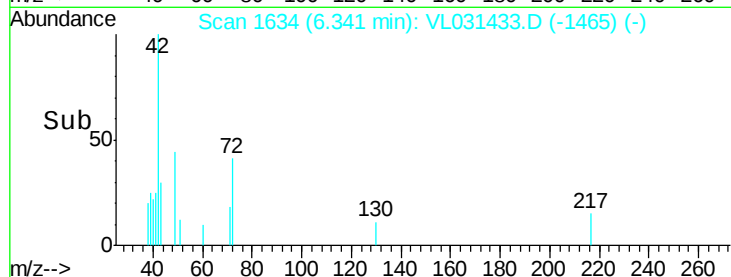
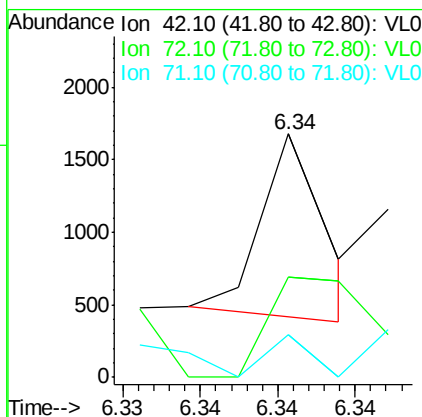
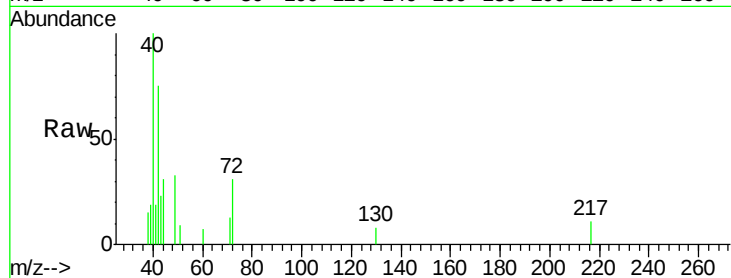




#41
Tetrahydrofuran
Concen: 0.00 ppbv
RT: 6.34 min Scan# 1634
Delta R.T. 0.04 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

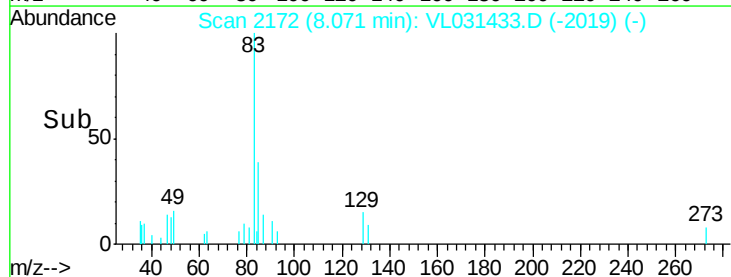
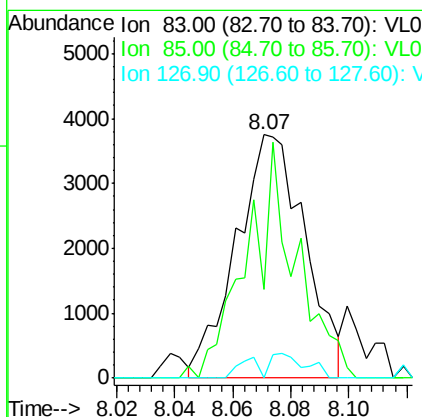
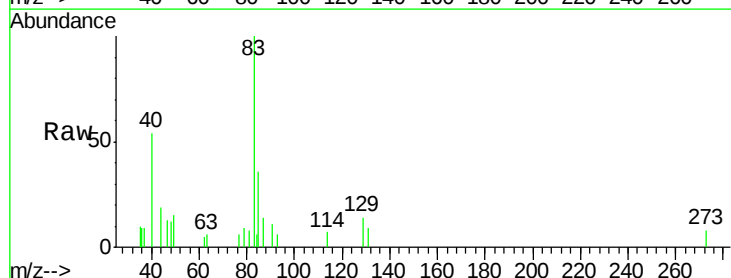
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

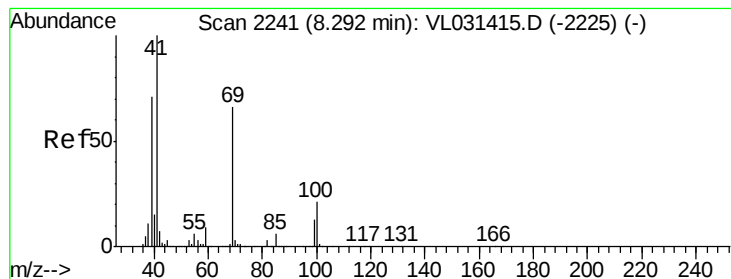
Tgt Ion: 42 Resp: 347
Ion Ratio Lower Upper
42 100
72 236.9 30.4 45.6#
71 0.0 29.2 43.8#



#42
Bromodichloromethane
Concen: 0.03 ppbv
RT: 8.07 min Scan# 2172
Delta R.T. -0.01 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

Tgt Ion: 83 Resp: 6151
Ion Ratio Lower Upper
83 100
85 32.6 52.1 78.1#
127 0.0 6.6 10.0#





#43

Methyl Methacrylate

Concen: 0.00 ppbv

RT: 8.29 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

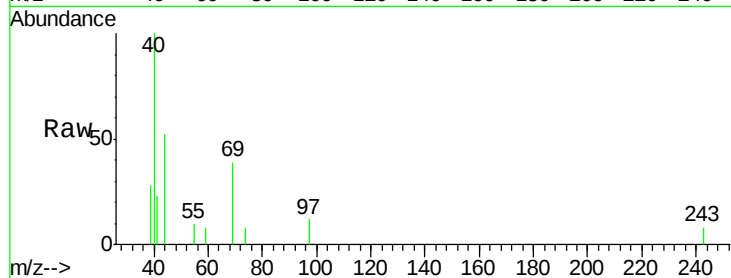
Tgt Ion: 69 Resp: 423

Ion Ratio Lower Upper

69 100

41 0.0 127.0 190.6#

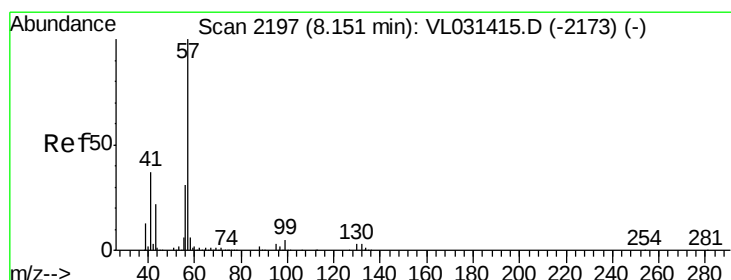
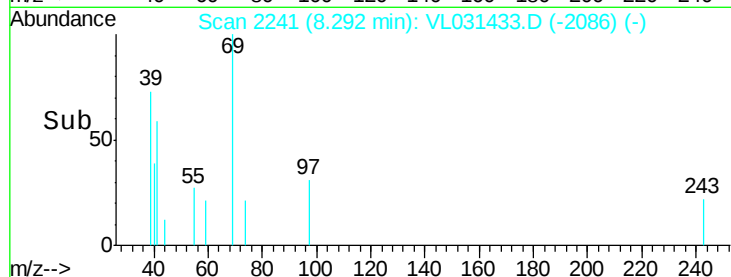
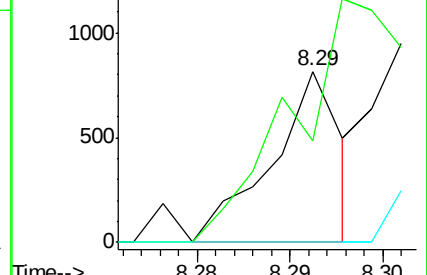
100 0.0 24.6 37.0#



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.01 ppbv

RT: 8.15 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

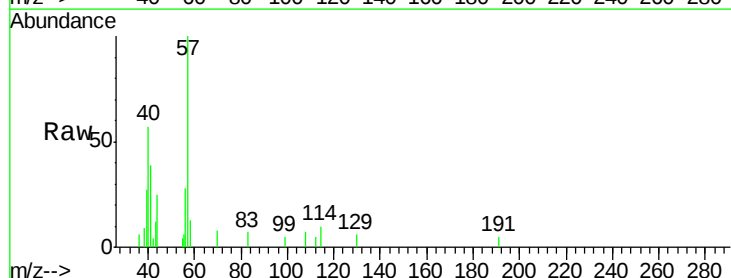
Tgt Ion: 57 Resp: 3042

Ion Ratio Lower Upper

57 100

41 0.0 28.8 43.2#

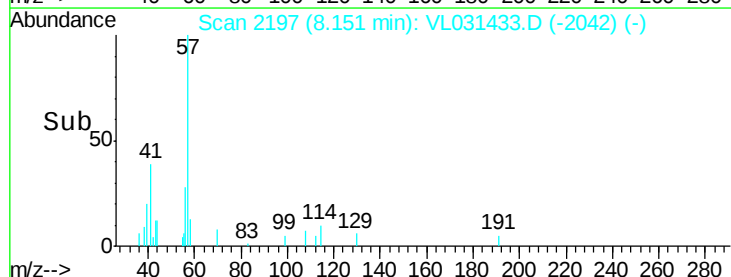
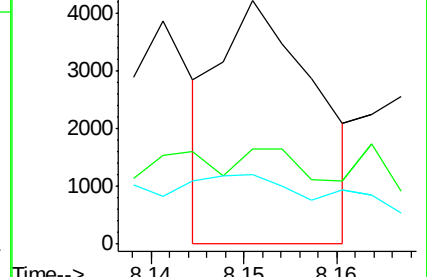
56 82.7 24.6 37.0#

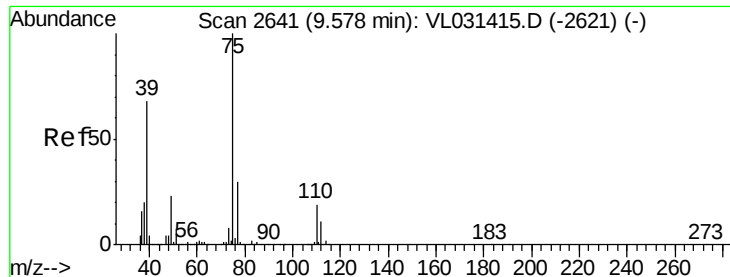


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 0.01 ppbv

RT: 9.57 min Scan# 2638

Delta R.T. -0.01 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

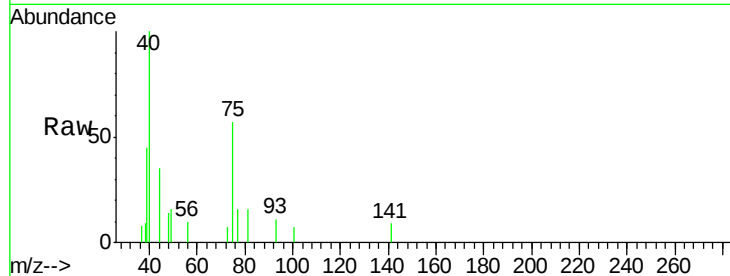
MDL-AIR-1DL

Tgt Ion: 75 Resp: 741

Ion Ratio Lower Upper

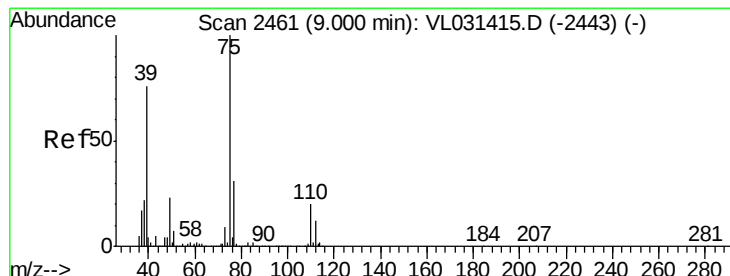
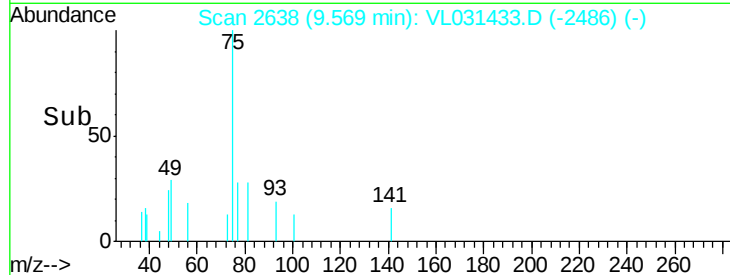
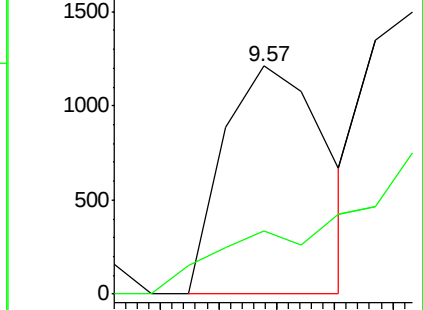
75 100

77 27.5 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: 0.01 ppbv

RT: 9.00 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

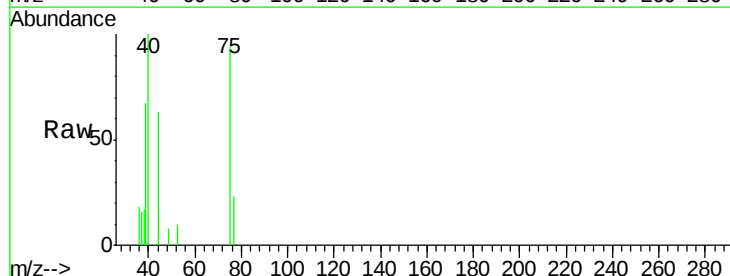
Tgt Ion: 75 Resp: 1231

Ion Ratio Lower Upper

75 100

39 38.4 59.4 89.0#

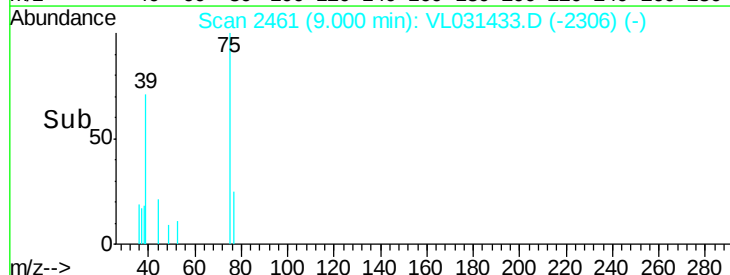
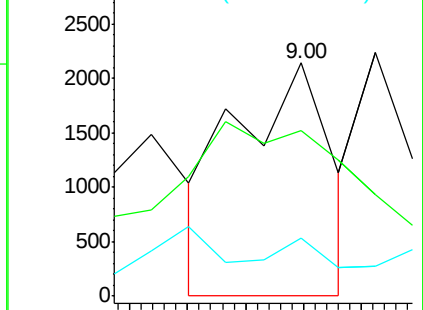
77 24.1 25.0 37.4#

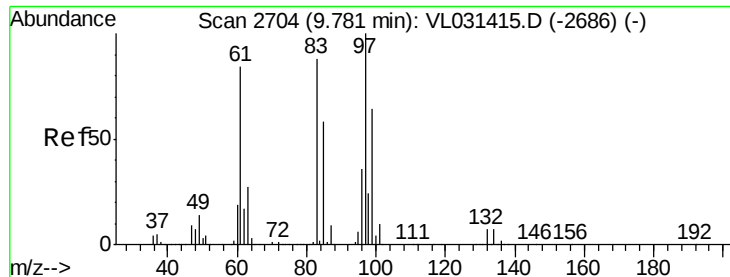


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

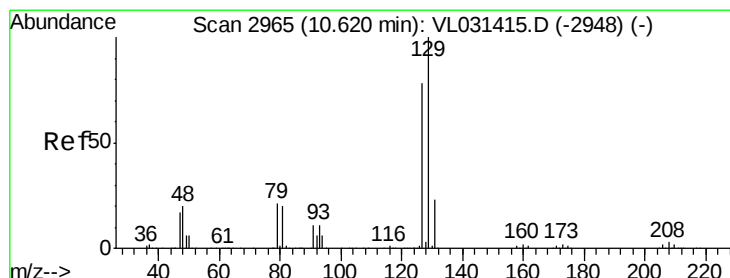
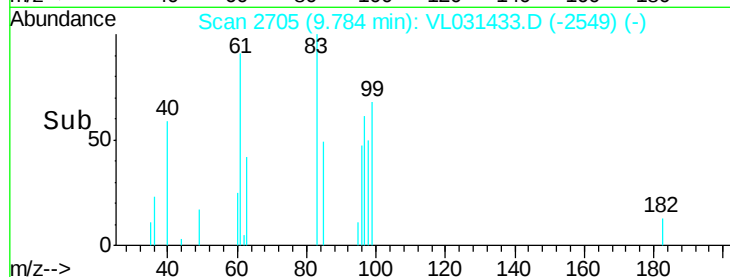
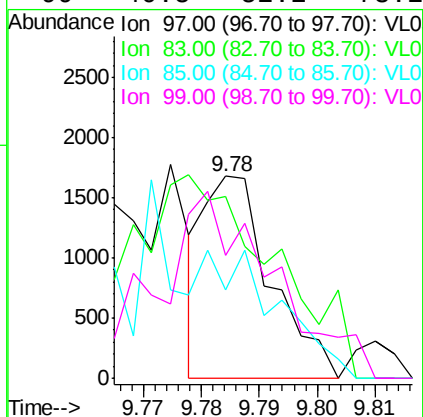
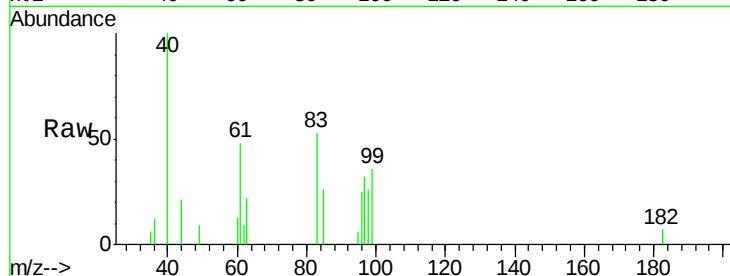




#47
 1,1,2-Trichloroethane
 Concen: 0.01 ppbv
 RT: 9.78 min Scan# 2705
 Delta R.T. 0.00 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

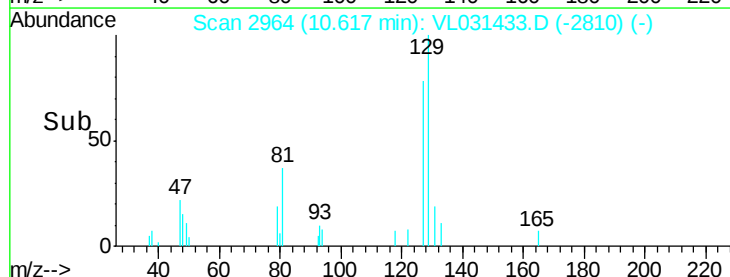
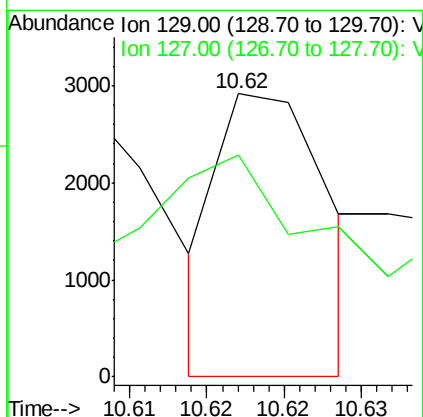
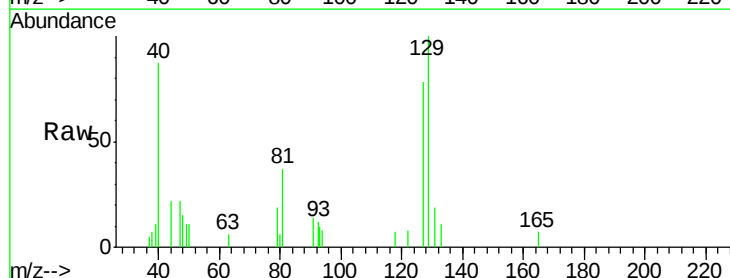
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

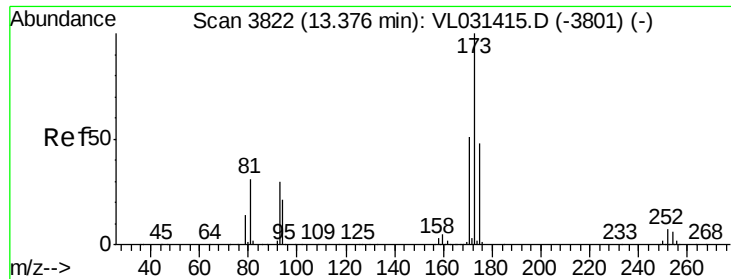
Tgt Ion: 97 Resp: 1345
 Ion Ratio Lower Upper
 97 100
 83 45.9 71.4 107.2#
 85 34.5 46.2 69.2#
 99 40.5 52.2 78.2#



#48
 Dibromochloromethane
 Concen: 0.01 ppbv
 RT: 10.62 min Scan# 2964
 Delta R.T. -0.01 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Tgt Ion: 129 Resp: 1431
 Ion Ratio Lower Upper
 129 100
 127 270.6 39.4 118.1#





#49

Bromoform

Concen: 0.01 ppbv

RT: 13.38 min Scan# 3822

Delta R.T. -0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

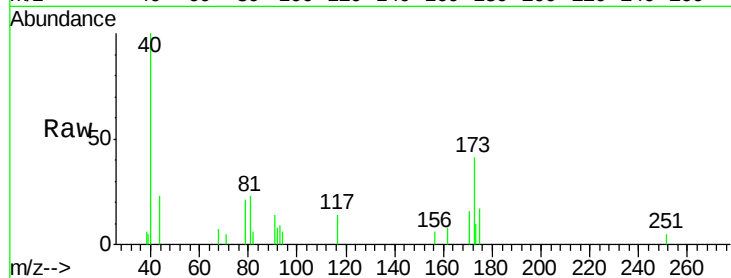
Tgt Ion: 173 Resp: 926

Ion Ratio Lower Upper

173 100

175 0.0 39.0 58.4#

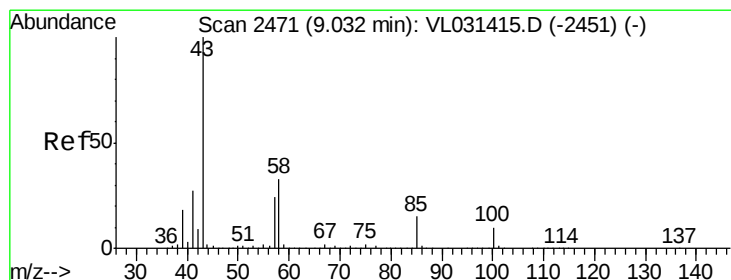
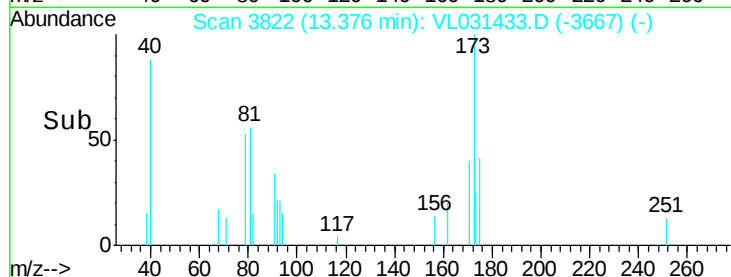
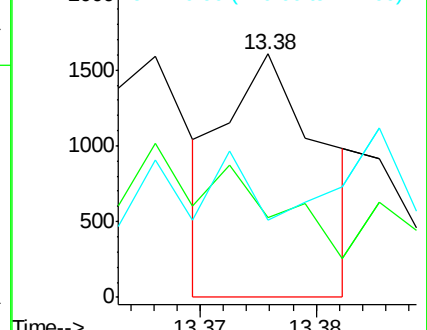
171 0.0 42.0 63.0#



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: VL031433.D

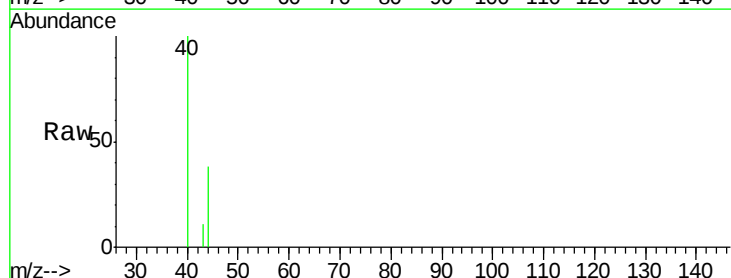
Acq: 23 Jan 2018 2:04

Tgt Ion: 43 Resp: 84

Ion Ratio Lower Upper

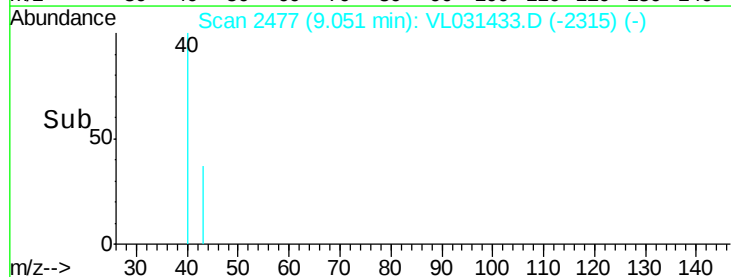
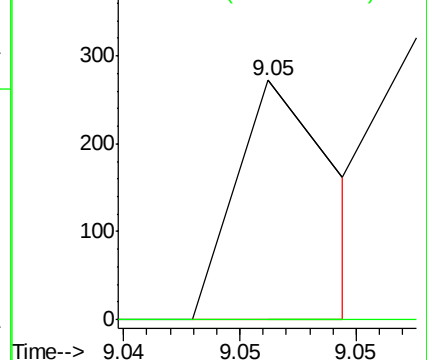
43 100

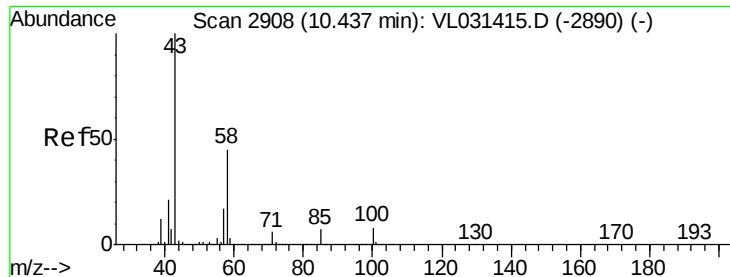
58 0.0 27.1 40.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.01 ppbv

RT: 10.48 min Scan# 2922

Delta R.T. 0.05 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

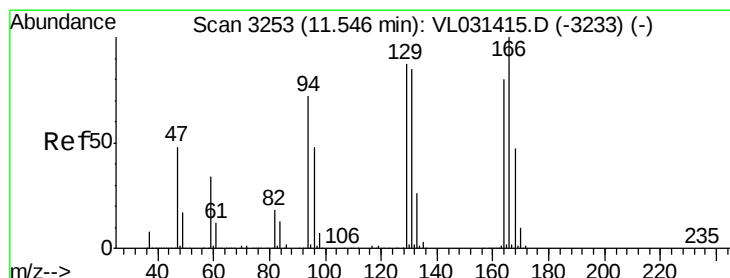
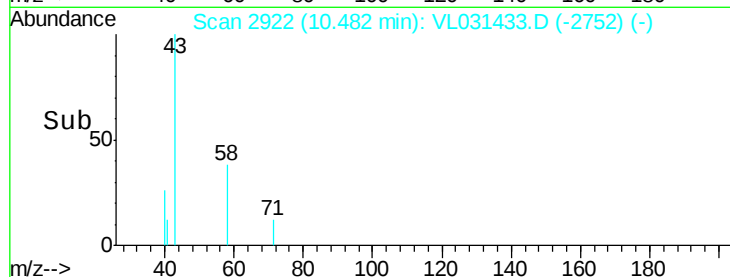
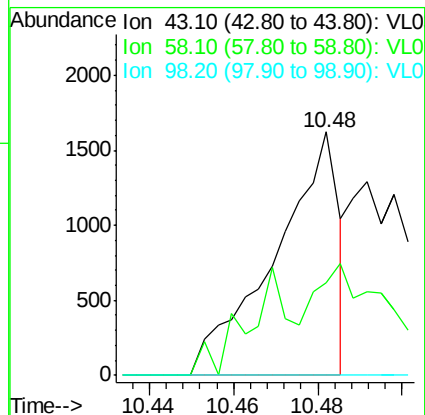
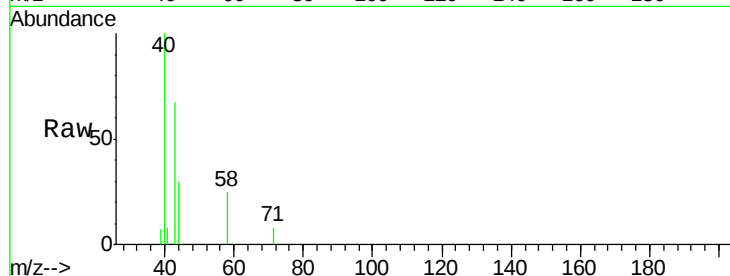
Tgt Ion: 43 Resp: 1705

Ion Ratio Lower Upper

43 100

58 97.9 36.2 54.4#

98 0.0 0.1 0.1#



#52

Tetrachloroethene

Concen: 0.01 ppbv

RT: 11.54 min Scan# 3252

Delta R.T. -0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Tgt Ion: 164 Resp: 1010

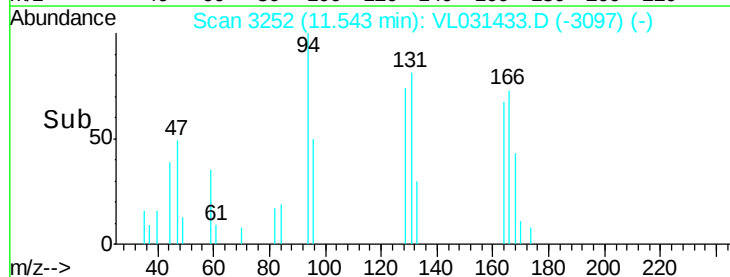
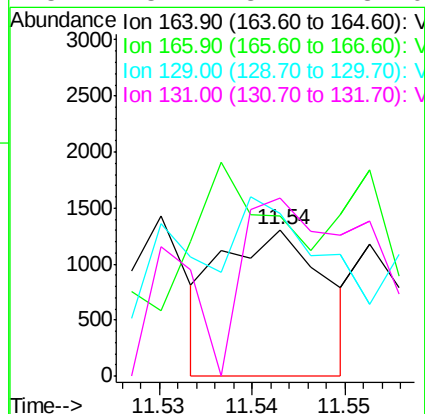
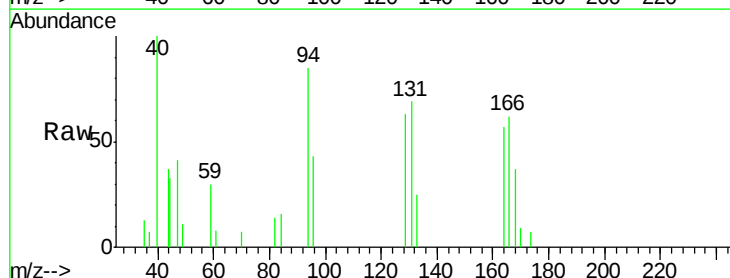
Ion Ratio Lower Upper

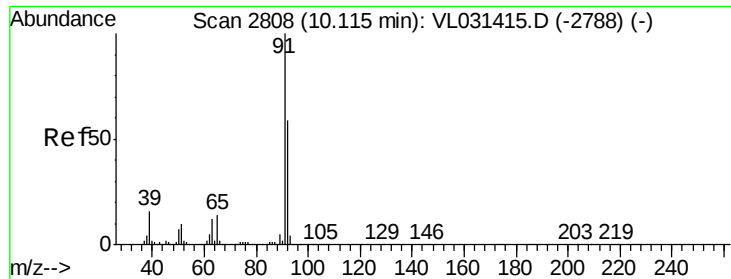
164 100

166 43.1 100.2 150.2#

129 73.8 91.4 137.0#

131 123.4 87.4 131.0





#53

Toluene

Concen: 0.01 ppbv

RT: 10.11 min Scan# 2806

Delta R.T. -0.01 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

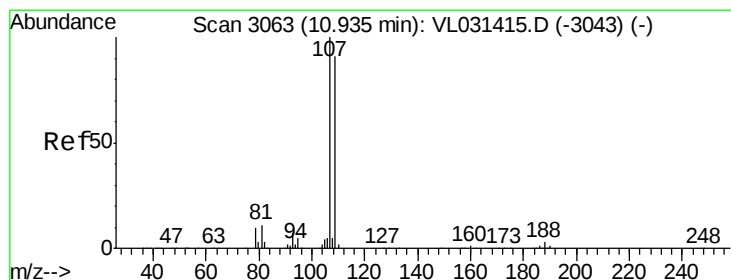
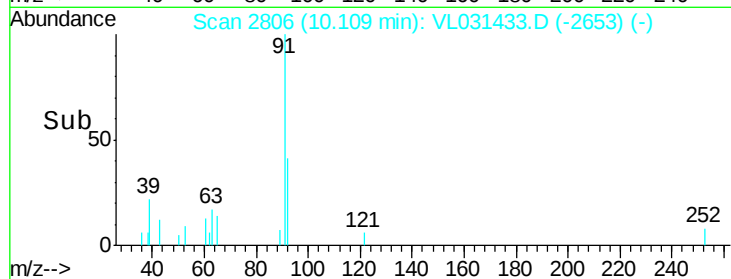
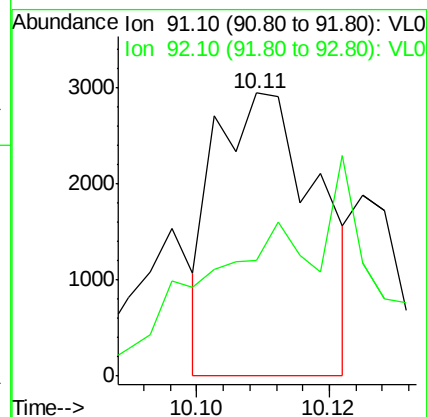
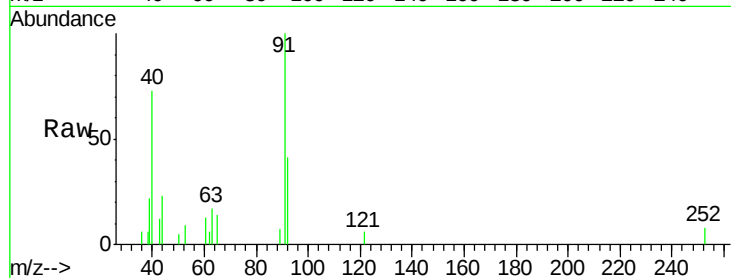
MDL-AIR-1DL

Tgt Ion: 91 Resp: 3158

Ion Ratio Lower Upper

91 100

92 0.0 47.8 71.6#



#54

1,2-Dibromoethane

Concen: 0.01 ppbv

RT: 10.94 min Scan# 3064

Delta R.T. 0.01 min

Lab File: VL031433.D

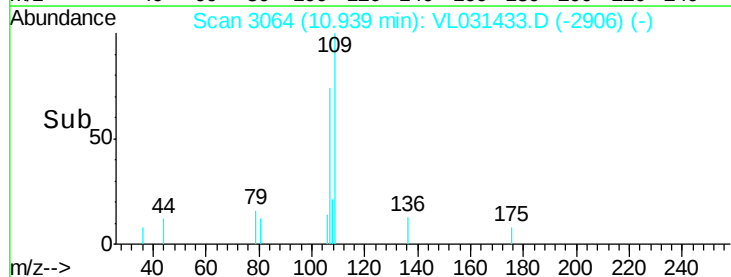
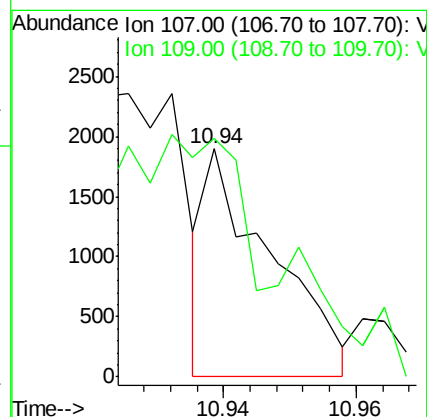
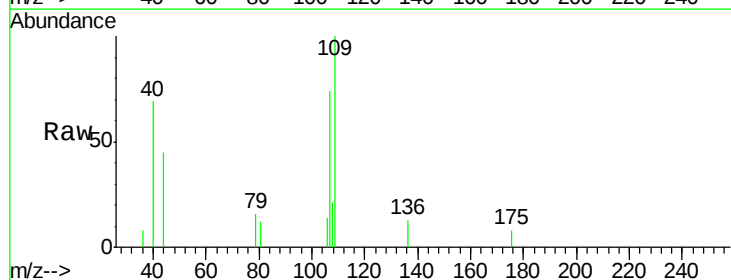
Acq: 23 Jan 2018 2:04

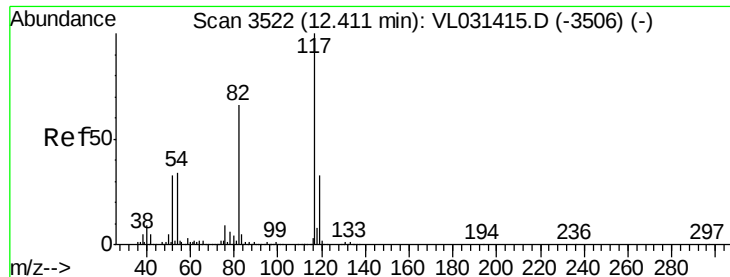
Tgt Ion: 107 Resp: 1320

Ion Ratio Lower Upper

107 100

109 95.2 75.5 113.3

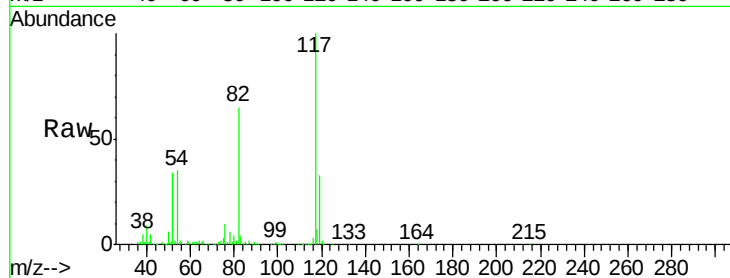




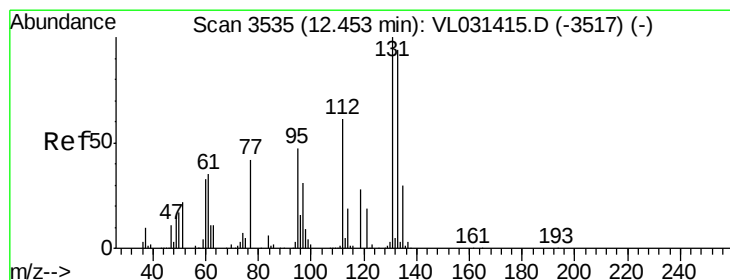
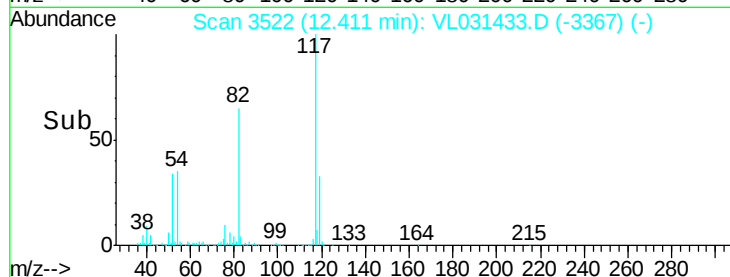
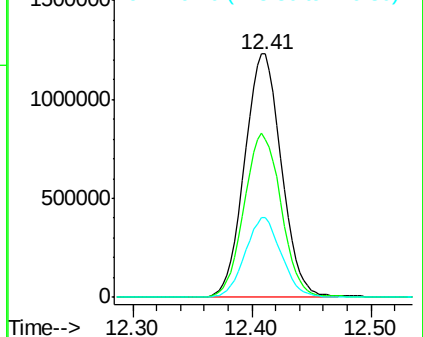
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

Tgt Ion:117 Resp: 2638308
Ion Ratio Lower Upper
117 100
82 68.3 51.8 77.6
119 32.3 24.2 36.2

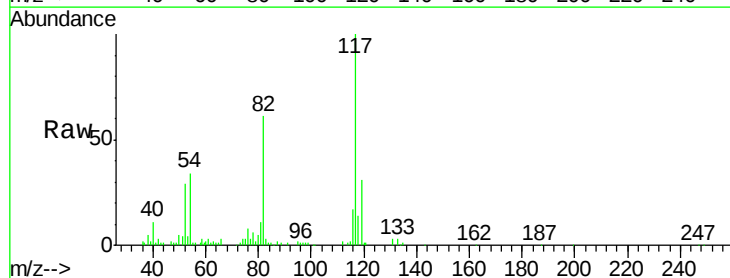


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

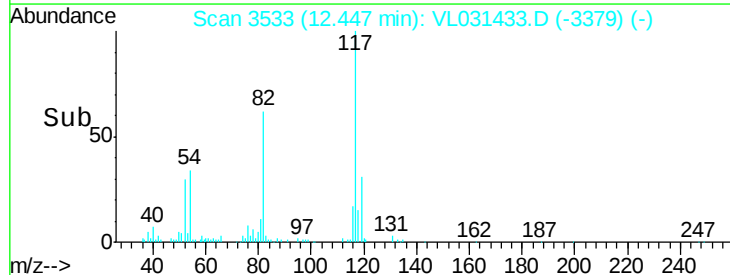
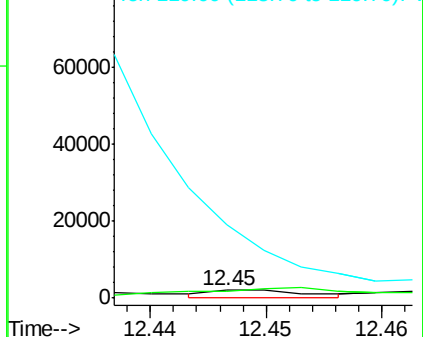


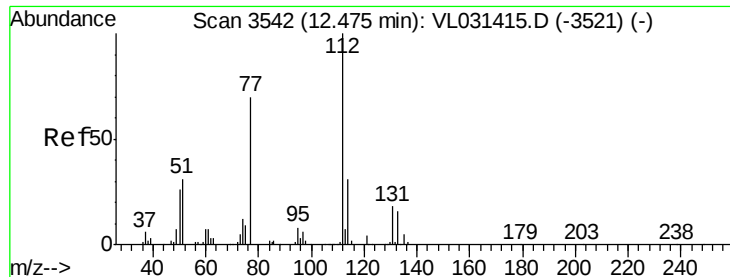
#56
1,1,1,2-Tetrachloroethane
Concen: 0.01 ppbv
RT: 12.45 min Scan# 3533
Delta R.T. -0.01 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

Tgt Ion:131 Resp: 1217
Ion Ratio Lower Upper
131 100
133 338.9 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

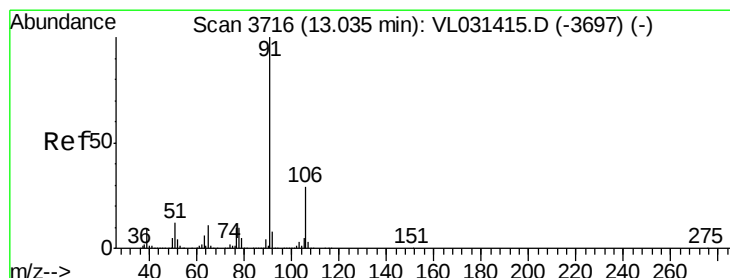
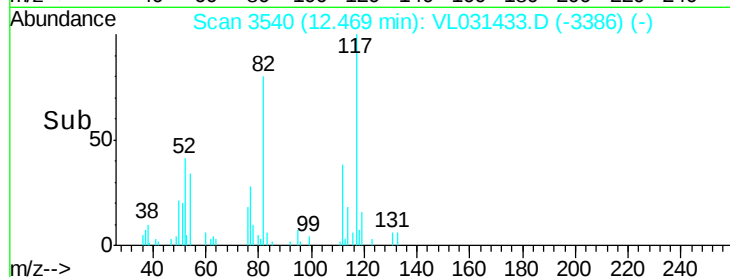
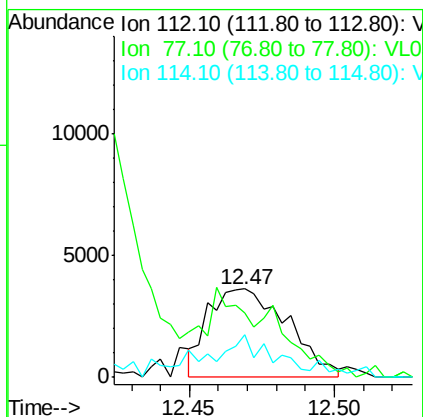
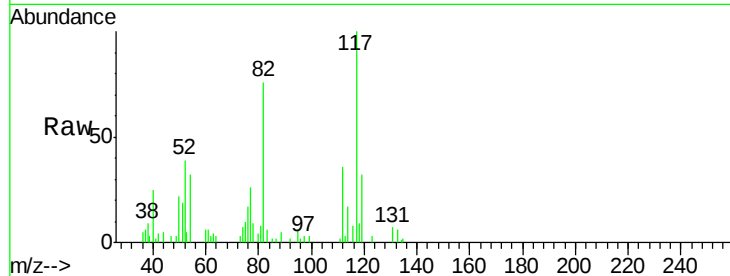




#57
Chlorobenzene
Concen: 0.03 ppbv
RT: 12.47 min Scan# 3540
Delta R.T. -0.01 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

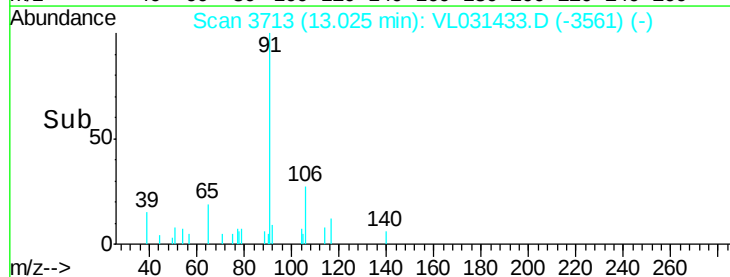
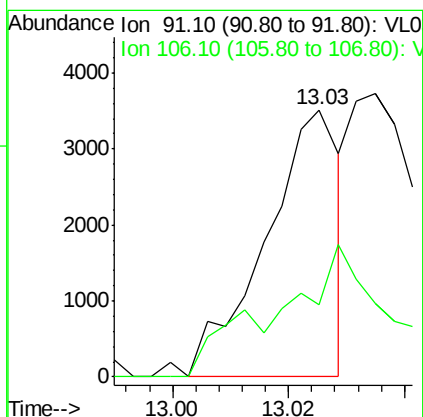
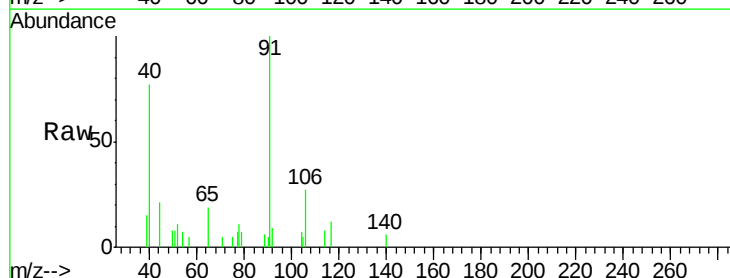
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

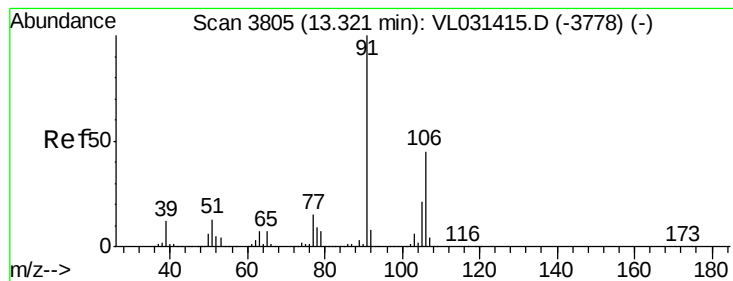
Tgt Ion: 112 Resp: 6920
Ion Ratio Lower Upper
112 100
77 65.8 56.0 84.0
114 39.3 29.1 35.5#



#58
Ethyl Benzene
Concen: 0.01 ppbv
RT: 13.03 min Scan# 3713
Delta R.T. -0.01 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

Tgt Ion: 91 Resp: 3120
Ion Ratio Lower Upper
91 100
106 27.2 23.8 35.6





#59

m/p-Xylene

Concen: 0.00 ppbv

RT: 13.32 min Scan# 3805

Delta R.T. 0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

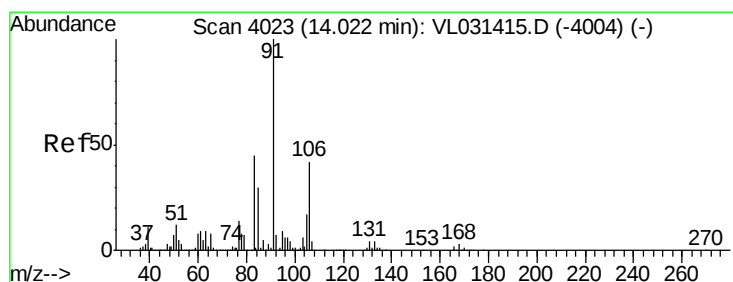
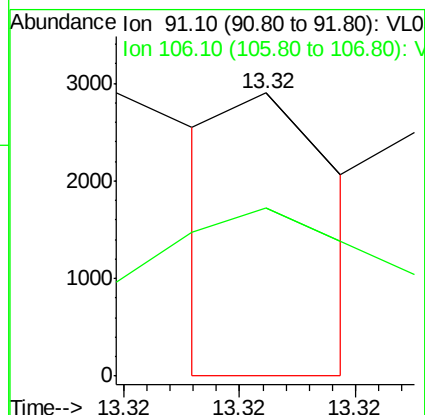
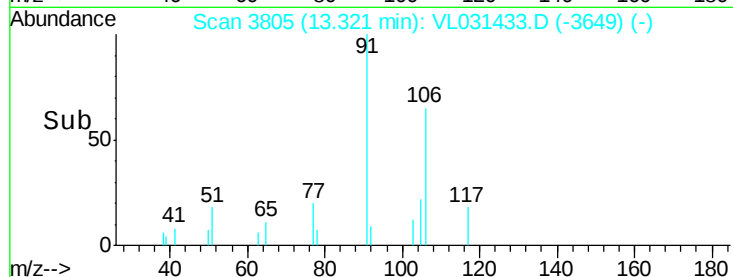
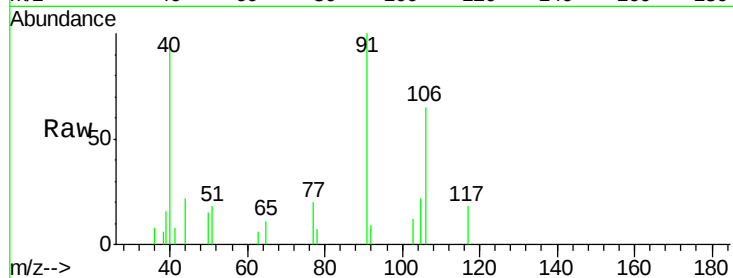
MDL-AIR-1DL

Tgt Ion: 91 Resp: 958

Ion Ratio Lower Upper

91 100

106 583.1 35.6 53.4#



#60

o-Xylene

Concen: 0.00 ppbv

RT: 14.03 min Scan# 4024

Delta R.T. 0.00 min

Lab File: VL031433.D

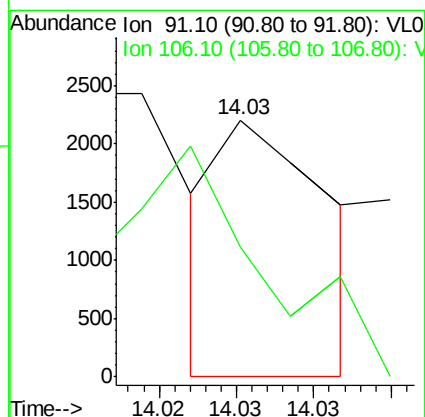
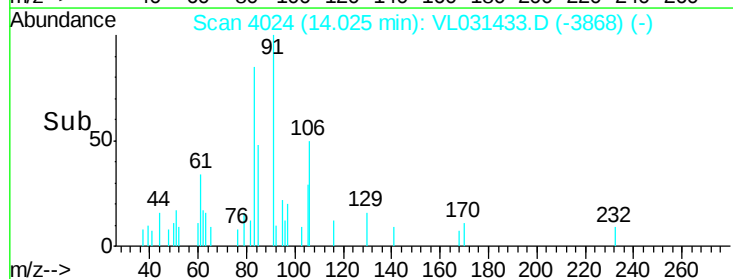
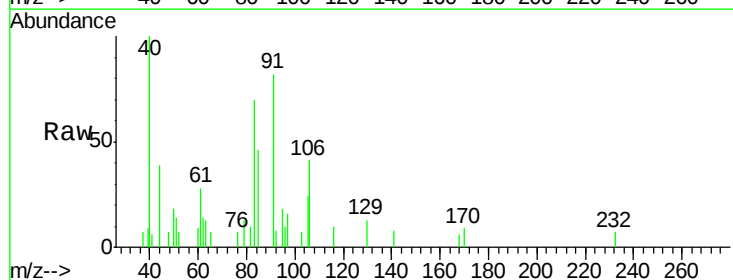
Acq: 23 Jan 2018 2:04

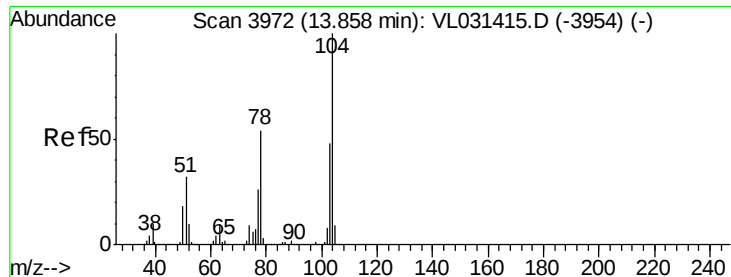
Tgt Ion: 91 Resp: 1067

Ion Ratio Lower Upper

91 100

106 250.2 21.3 64.0#

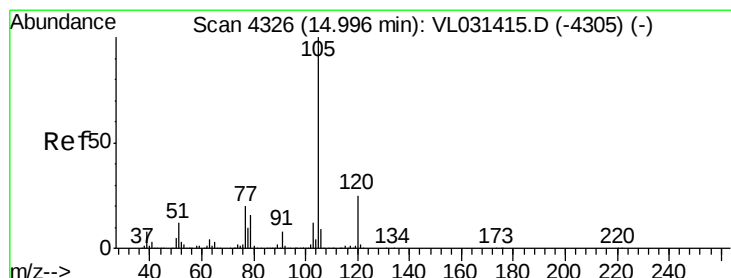
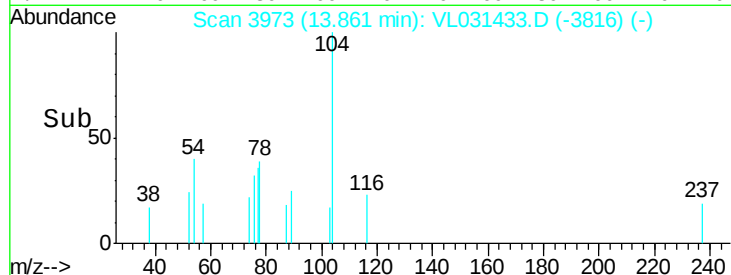
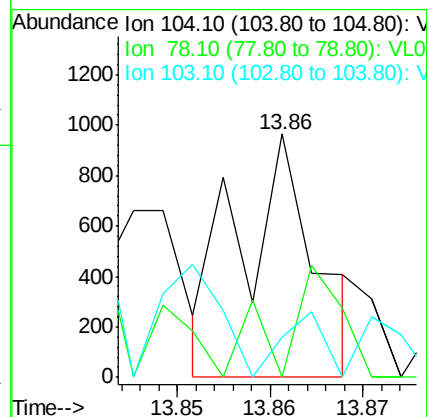
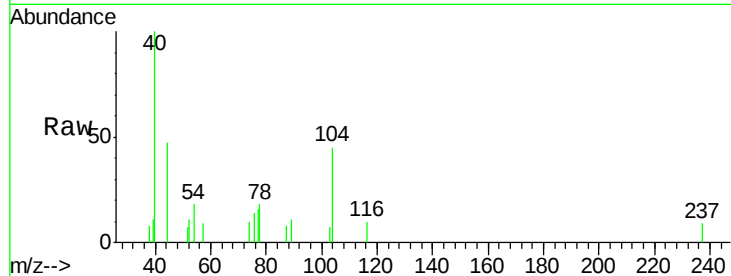




#61
Styrene
Concen: 0.01 ppbv
RT: 13.86 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

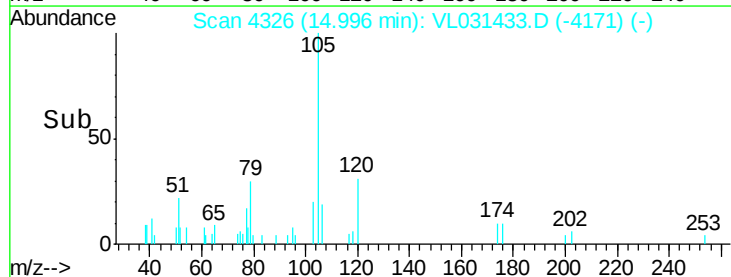
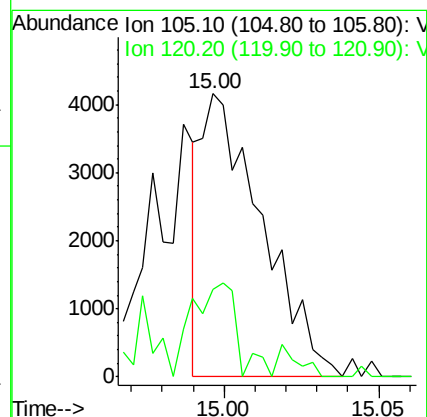
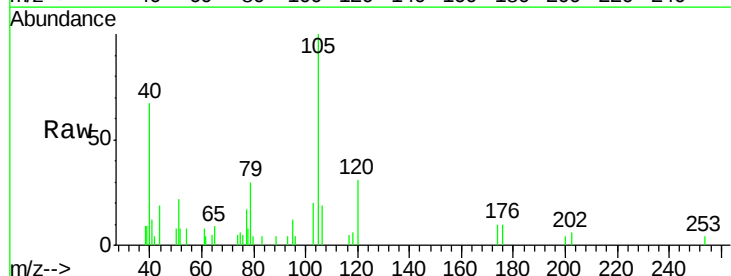
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

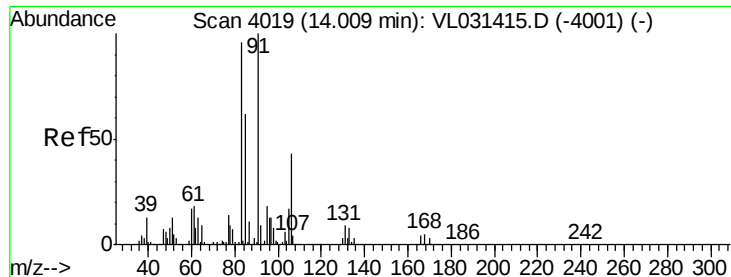
Tgt Ion:104 Resp: 554
Ion Ratio Lower Upper
104 100
78 59.9 45.4 68.0
103 0.0 38.6 57.8#



#62
Isopropylbenzene
Concen: 0.01 ppbv
RT: 15.00 min Scan# 4326
Delta R.T. -0.00 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

Tgt Ion:105 Resp: 5631
Ion Ratio Lower Upper
105 100
120 37.7 19.9 29.9#

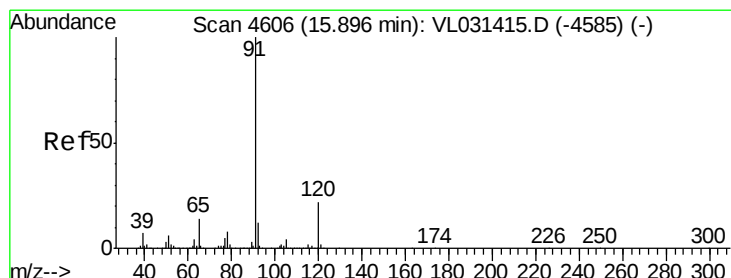
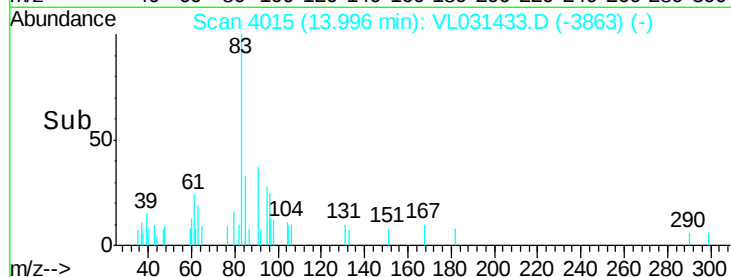
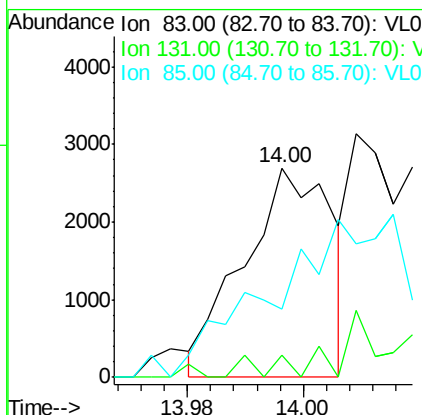
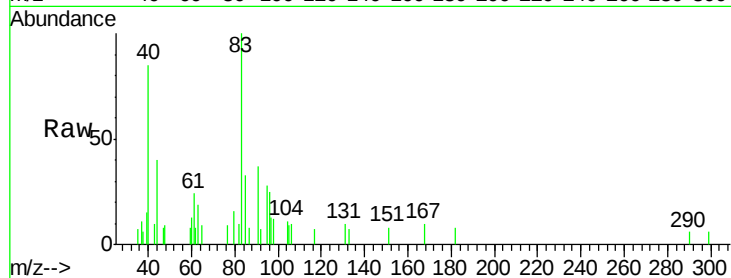




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.01 ppbv
 RT: 14.00 min Scan# 4015
 Delta R.T. -0.01 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

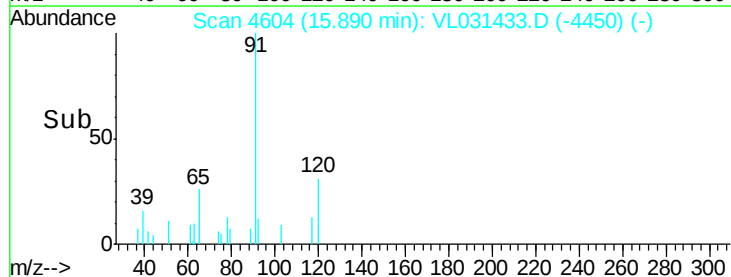
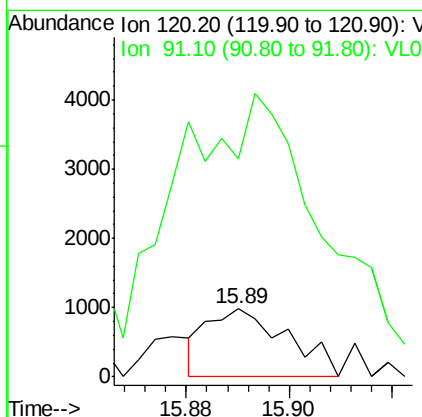
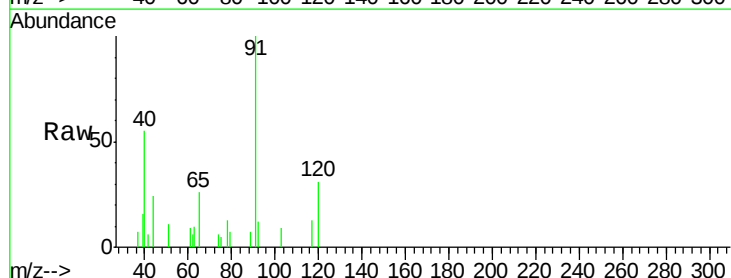
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

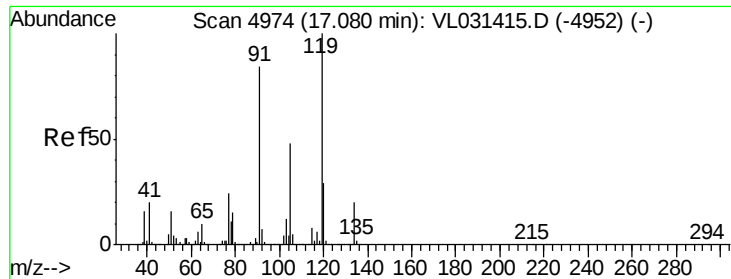
Tgt Ion: 83 Resp: 2849
 Ion Ratio Lower Upper
 83 100
 131 7.8 4.8 14.3
 85 0.0 32.4 97.0#



#64
 n-propylbenzene
 Concen: 0.01 ppbv
 RT: 15.89 min Scan# 4604
 Delta R.T. -0.01 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Tgt Ion: 120 Resp: 1057
 Ion Ratio Lower Upper
 120 100
 91 891.3 389.8 584.6#





#65

tert-Butylbenzene

Concen: 0.01 ppbv

RT: 17.08 min Scan# 4973

Delta R.T. -0.01 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

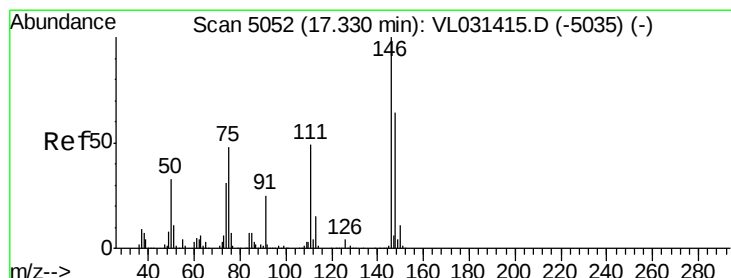
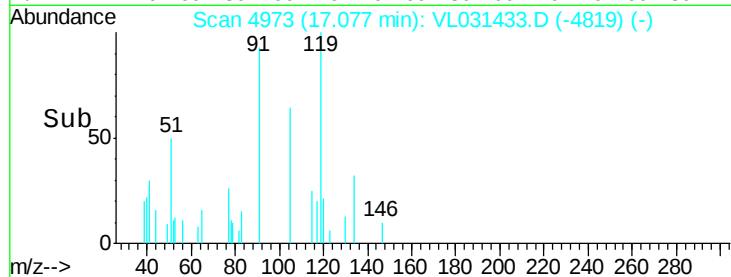
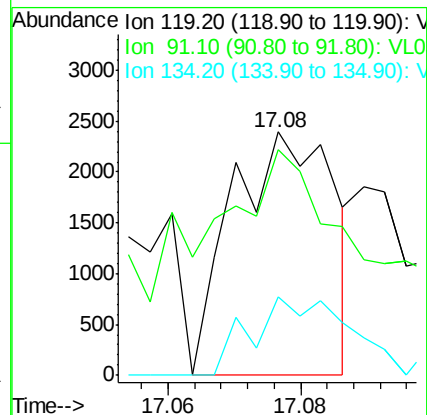
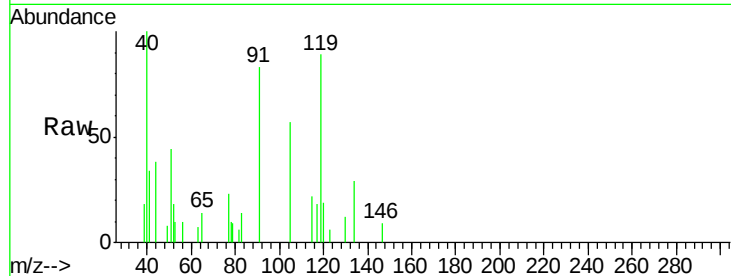
Tgt Ion:119 Resp: 2552

Ion Ratio Lower Upper

119 100

91 215.9 69.0 103.6#

134 39.9 15.7 23.5#



#66

Benzyl Chloride

Concen: 0.01 ppbv

RT: 17.33 min Scan# 5052

Delta R.T. 0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

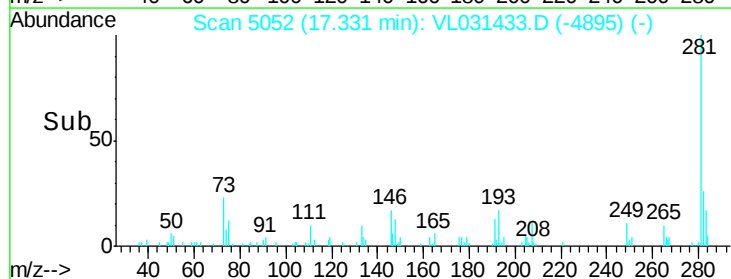
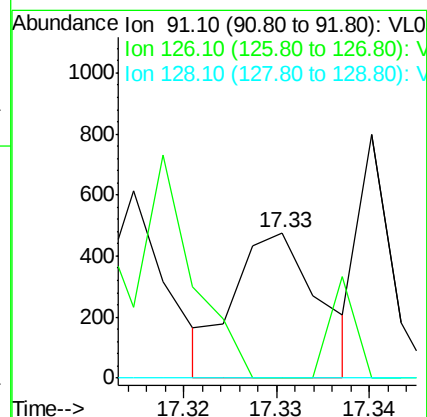
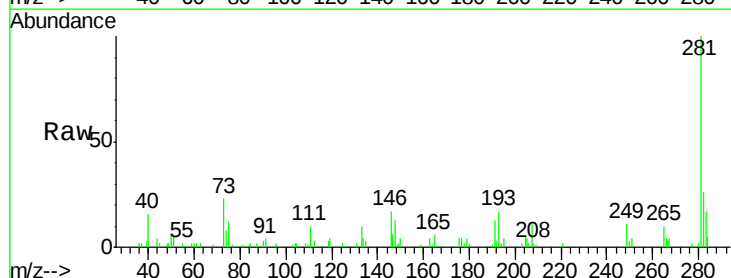
Tgt Ion: 91 Resp: 301

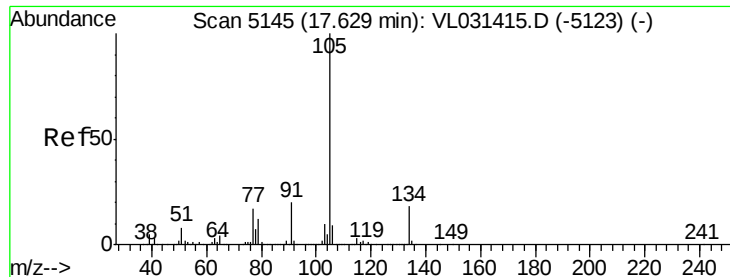
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.8#

128 0.0 4.6 6.8#

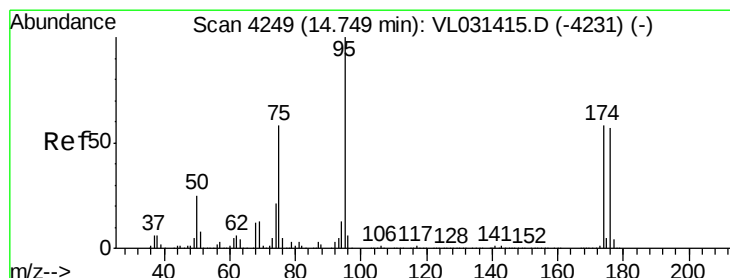
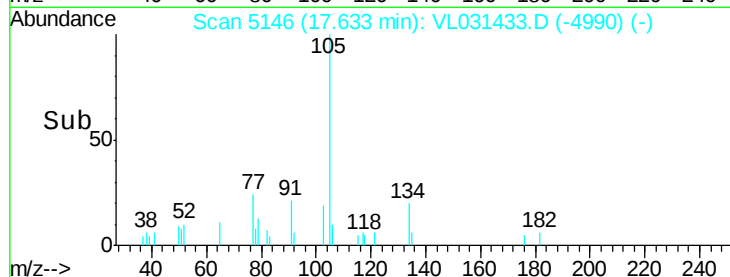
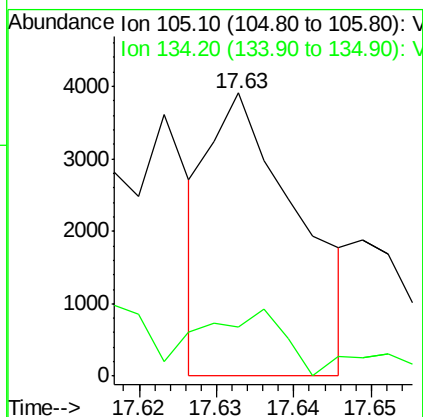
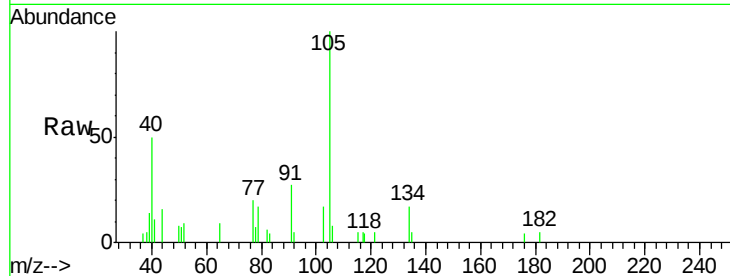




#67
 sec-Butylbenzene
 Concen: 0.01 ppbv
 RT: 17.63 min Scan# 5146
 Delta R.T. 0.00 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

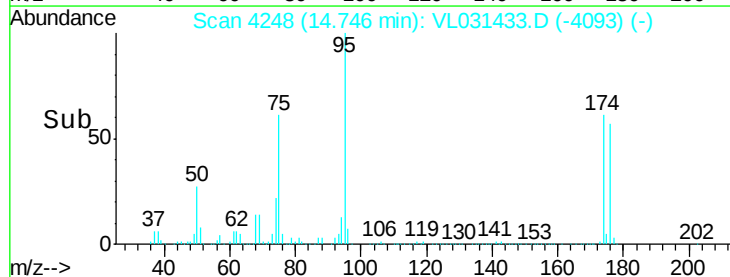
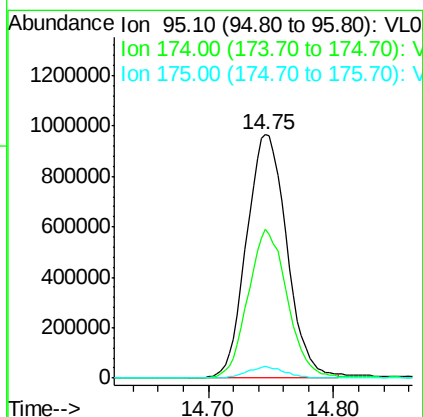
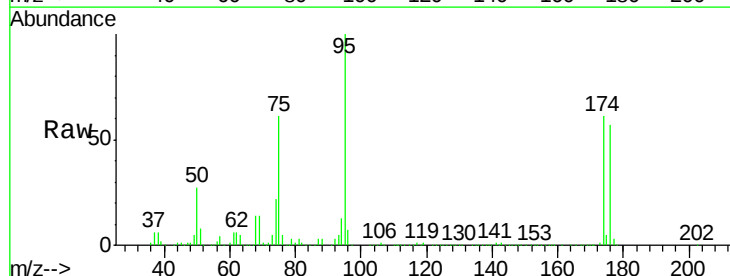
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

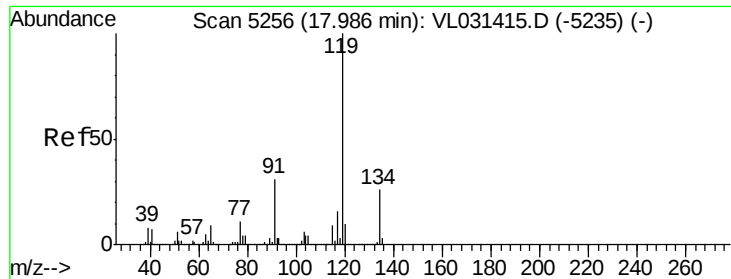
Tgt Ion: 105 Resp: 3139
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.5 21.7#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.22 ppbv
 RT: 14.75 min Scan# 4248
 Delta R.T. -0.00 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Tgt Ion: 95 Resp: 2159292
 Ion Ratio Lower Upper
 95 100
 174 60.5 48.2 72.4
 175 4.4 3.6 5.4





#69

p-Isopropyltoluene

Concen: 0.01 ppbv

RT: 17.98 min Scan# 5254

Delta R.T. -0.01 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

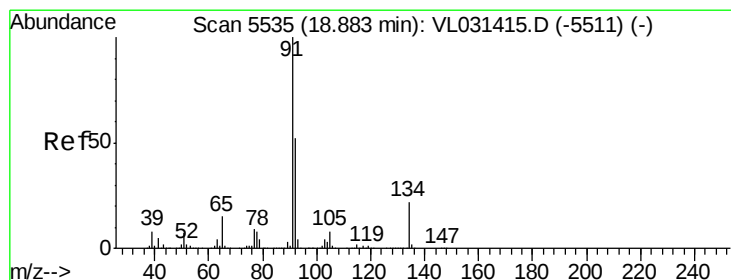
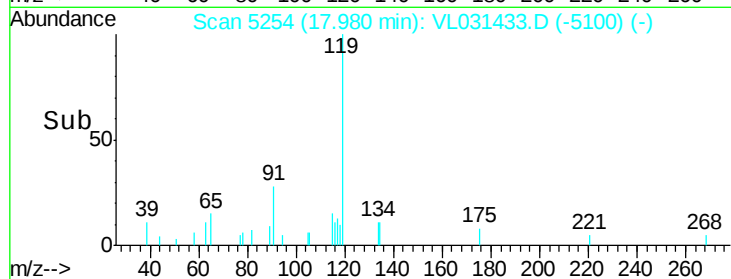
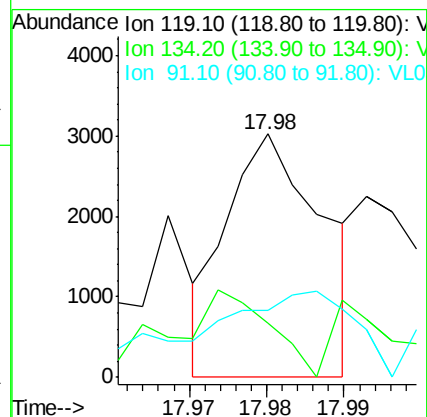
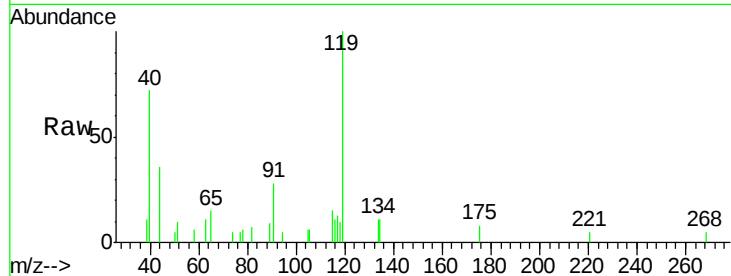
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

Tgt Ion:	119	Resp:	2606
Ion	Ratio	Lower	Upper
119	100		
134	73.9	20.2	30.4#
91	0.0	25.0	37.4#



#70

n-Butylbenzene

Concen: 0.01 ppbv

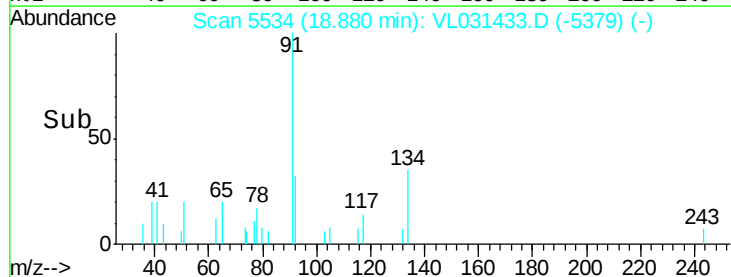
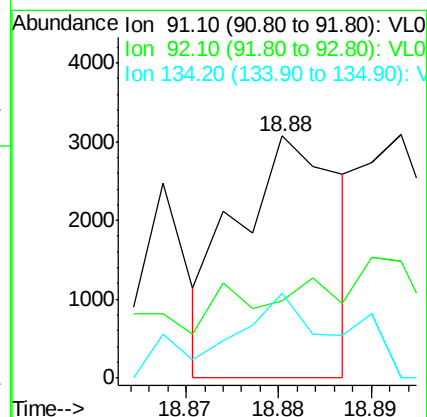
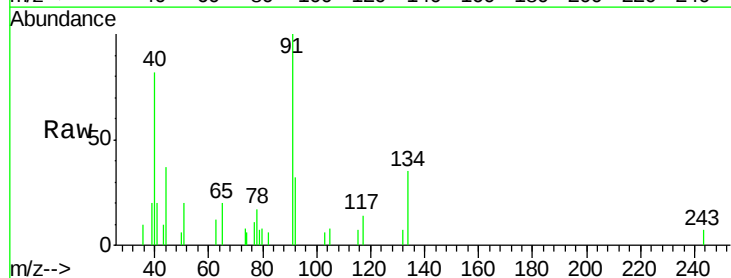
RT: 18.88 min Scan# 5534

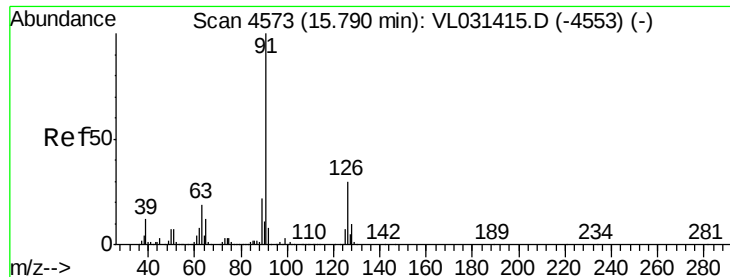
Delta R.T. -0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Tgt Ion:	91	Resp:	2374
Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.2	63.4#
134	62.2	17.4	26.2#

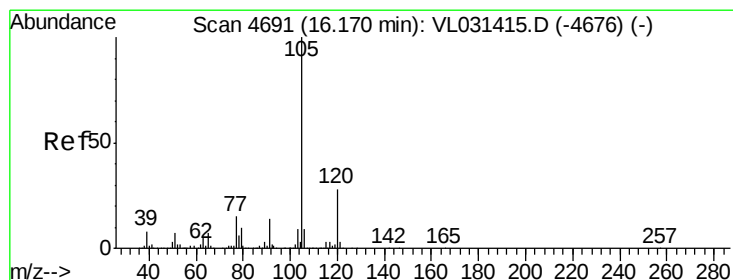
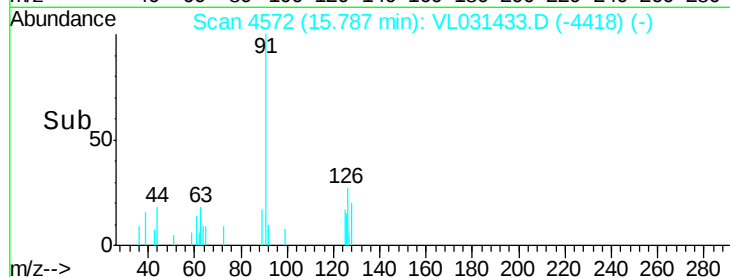
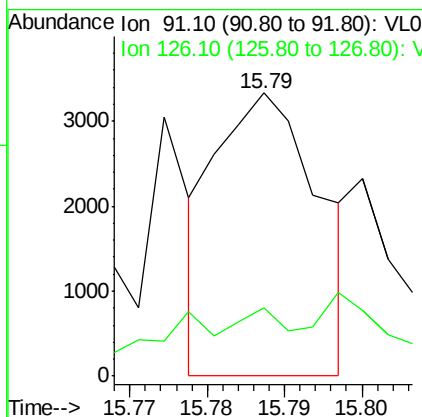
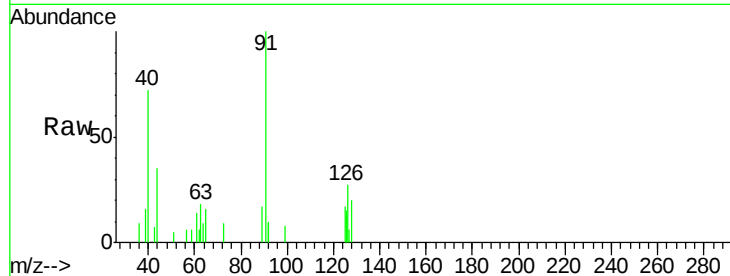




#71
2-Chlorotoluene
Concen: 0.01 ppbv
RT: 15.79 min Scan# 4572
Delta R.T. -0.01 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

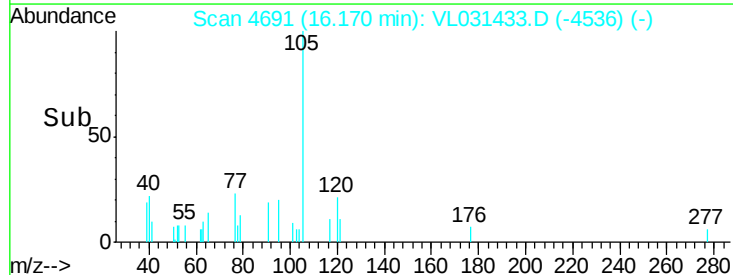
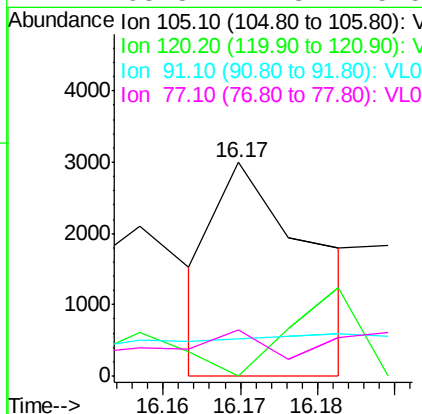
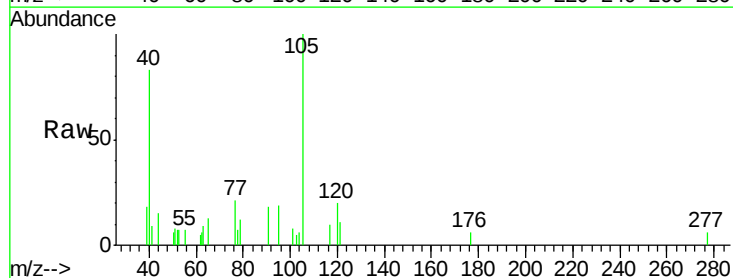
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

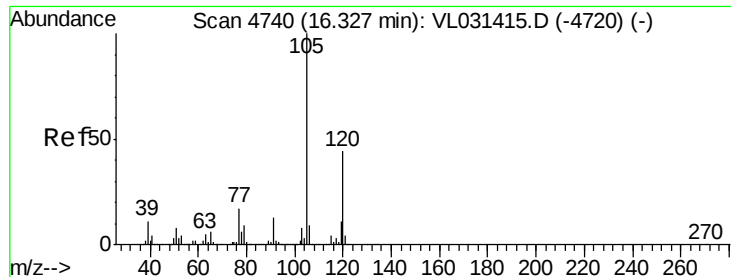
Tgt Ion: 91 Resp: 3102
Ion Ratio Lower Upper
91 100
126 0.0 11.7 46.9#



#72
4-Ethyltoluene
Concen: 0.00 ppbv
RT: 16.17 min Scan# 4691
Delta R.T. -0.00 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

Tgt Ion: 105 Resp: 1299
Ion Ratio Lower Upper
105 100
120 34.2 23.0 34.6
91 0.0 11.0 16.4#
77 68.8 12.3 18.5#





#73

1,3,5-Trimethylbenzene

Concen: 0.01 ppbv

RT: 16.32 min Scan# 4738

Delta R.T. -0.01 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

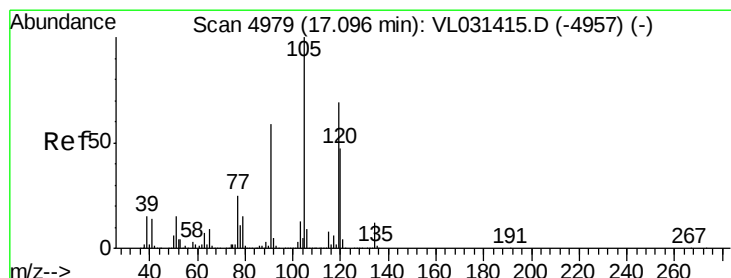
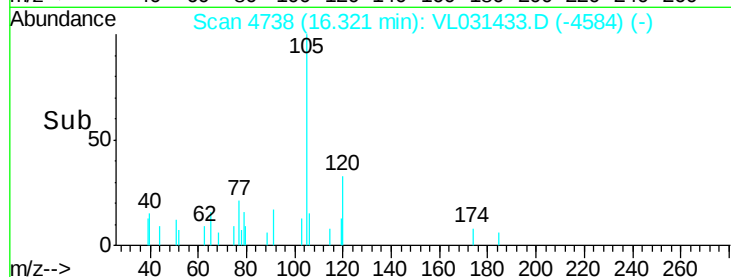
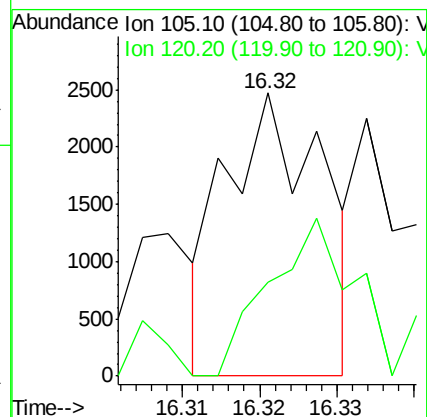
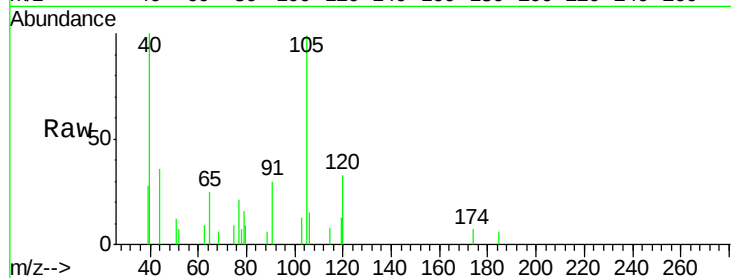
MDL-AIR-1DL

Tgt Ion:105 Resp: 2149

Ion Ratio Lower Upper

105 100

120 55.7 35.8 53.6#



#74

1,2,4-Trimethylbenzene

Concen: 0.01 ppbv

RT: 17.10 min Scan# 4981

Delta R.T. 0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Tgt Ion:105 Resp: 2093

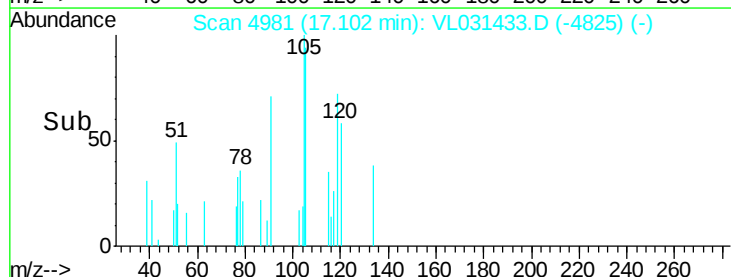
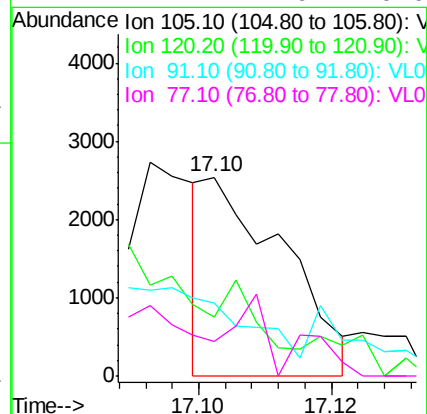
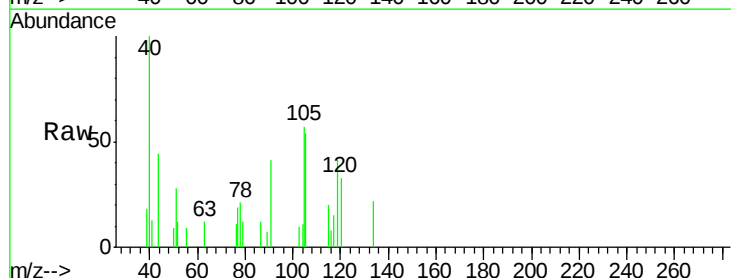
Ion Ratio Lower Upper

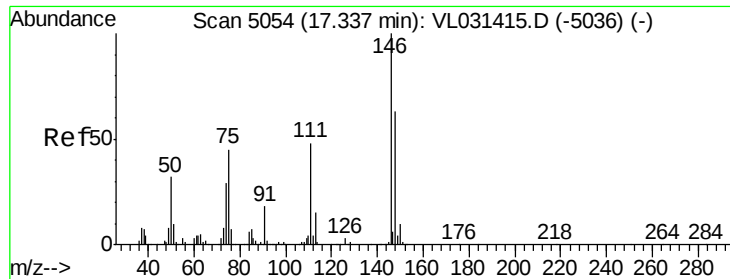
105 100

120 18.2 37.0 55.6#

91 23.8 35.1 52.7#

77 12.7 17.9 26.9#





#75

1,3-Dichlorobenzene

Concen: 0.02 ppbv

RT: 17.33 min Scan# 5053

Delta R.T. -0.01 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

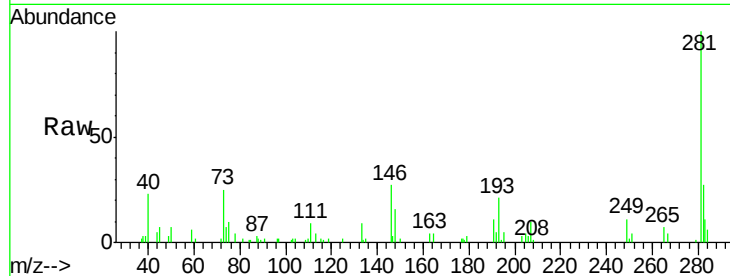
Tgt Ion:146 Resp: 3224

Ion Ratio Lower Upper

146 100

111 0.0 24.2 72.6#

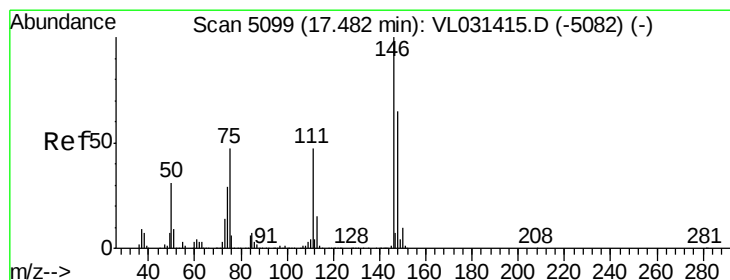
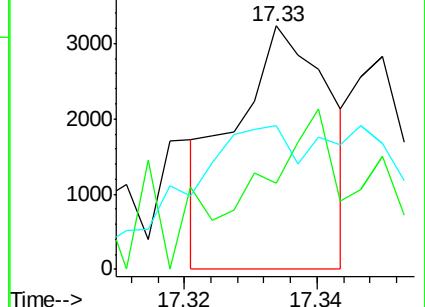
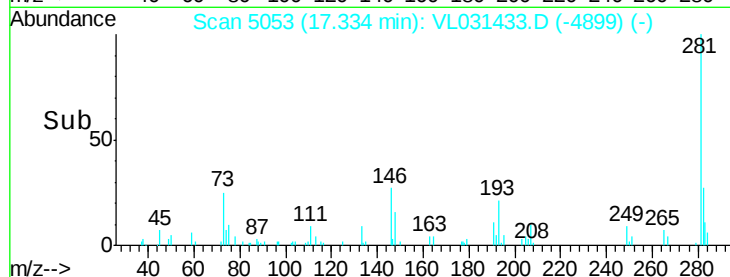
148 0.0 32.1 96.3#



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: 0.02 ppbv

RT: 17.48 min Scan# 5097

Delta R.T. -0.01 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

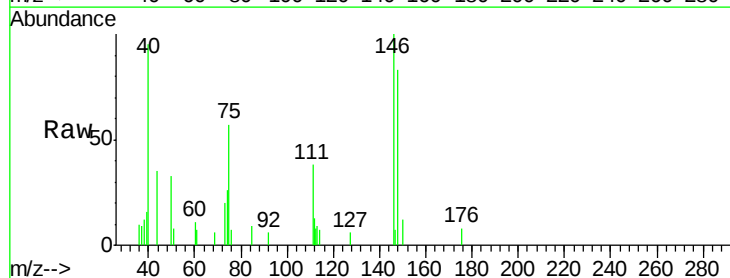
Tgt Ion:146 Resp: 4657

Ion Ratio Lower Upper

146 100

111 67.3 23.3 69.9

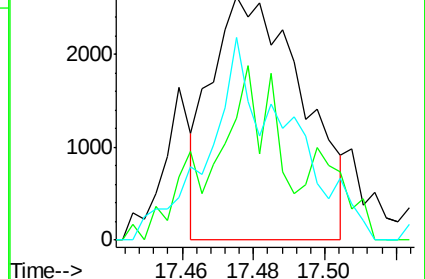
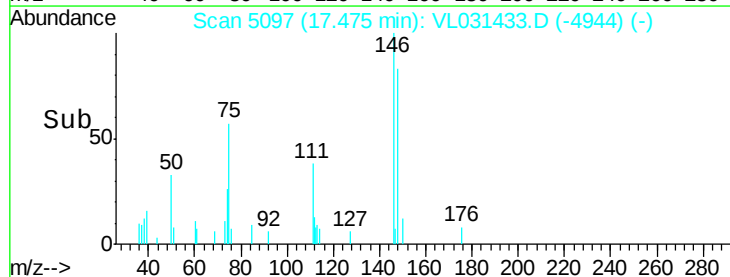
148 73.2 32.4 97.2

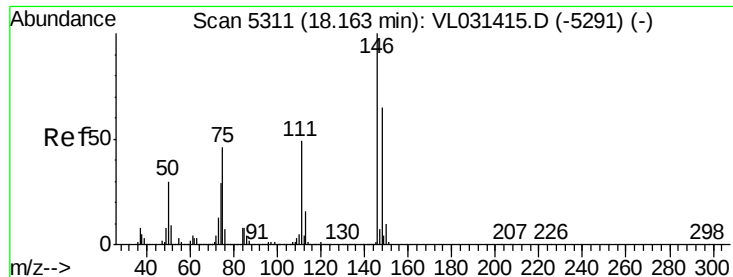


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.02 ppbv

RT: 18.16 min Scan# 5311

Delta R.T. 0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

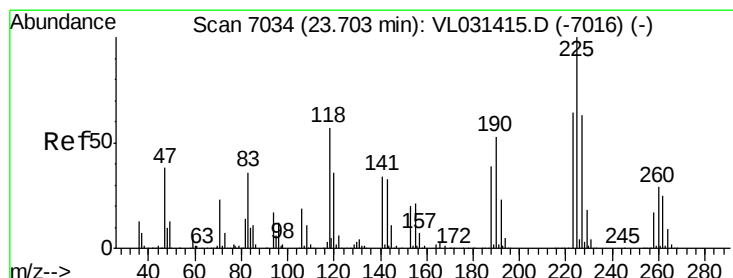
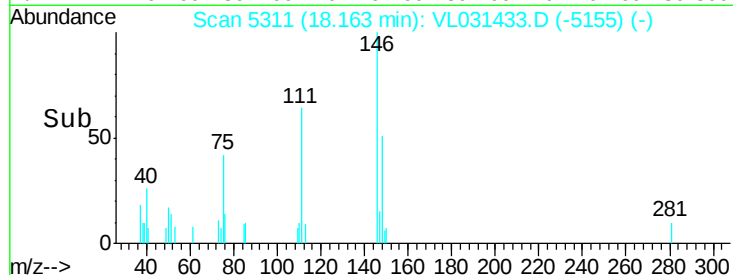
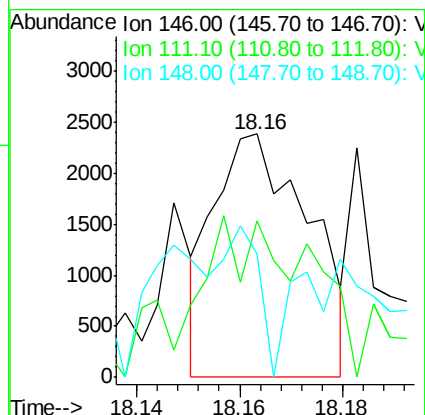
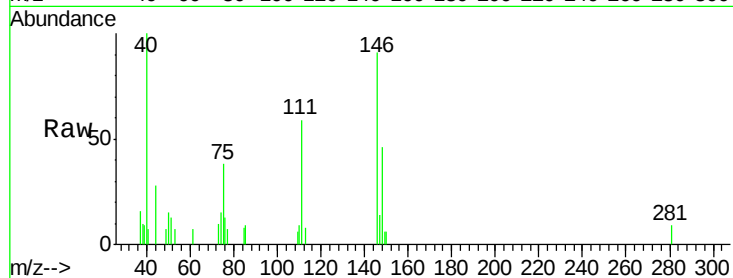
Tgt Ion:146 Resp: 3048

Ion Ratio Lower Upper

146 100

111 98.3 24.6 74.0#

148 110.2 32.3 96.8#



#78

Hexachloro-1,3-Butadiene

Concen: 0.03 ppbv

RT: 23.69 min Scan# 7031

Delta R.T. -0.01 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

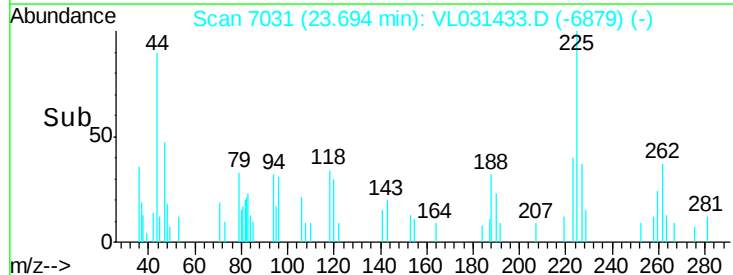
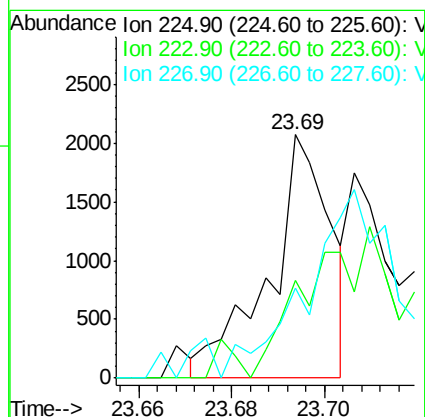
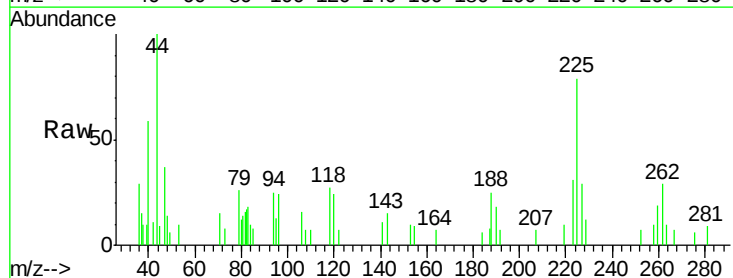
Tgt Ion:225 Resp: 1887

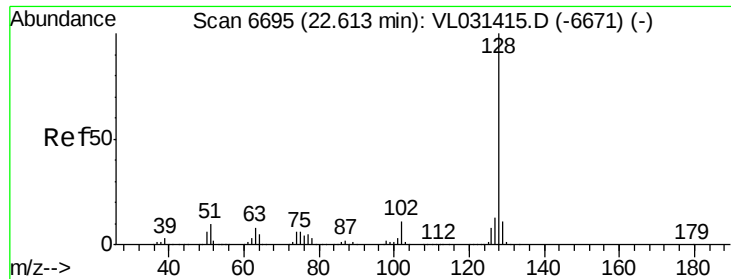
Ion Ratio Lower Upper

225 100

223 0.0 51.3 76.9#

227 0.0 50.7 76.1#

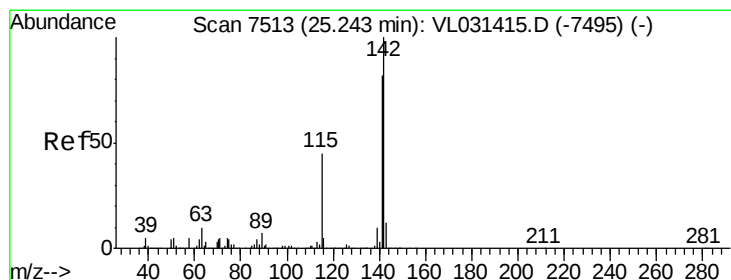
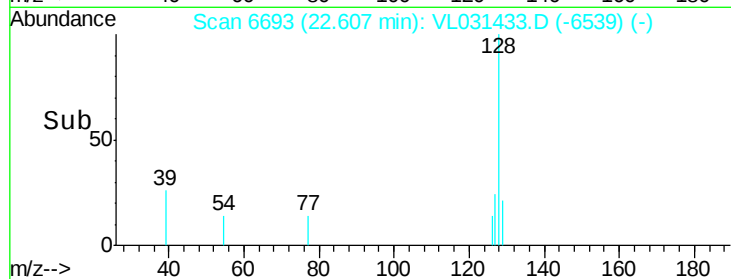
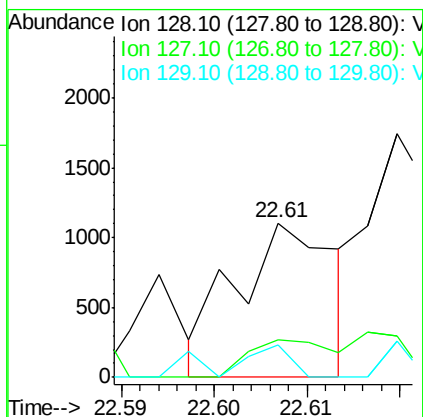
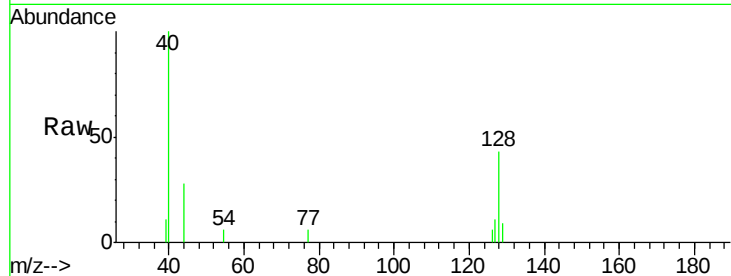




#79
Naphthalene
Concen: 0.00 ppbv
RT: 22.61 min Scan# 6693
Delta R.T. -0.01 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

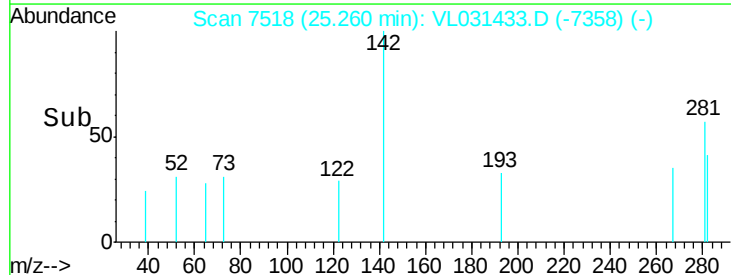
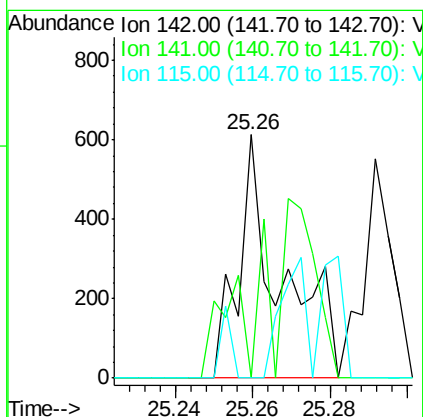
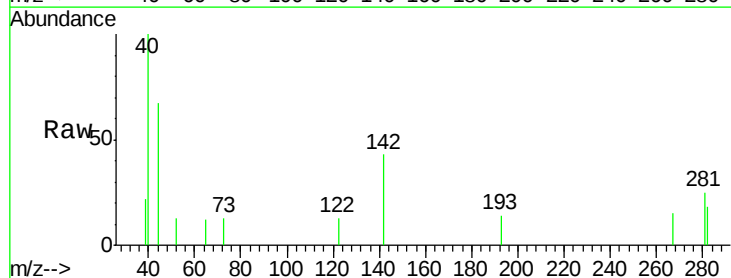
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

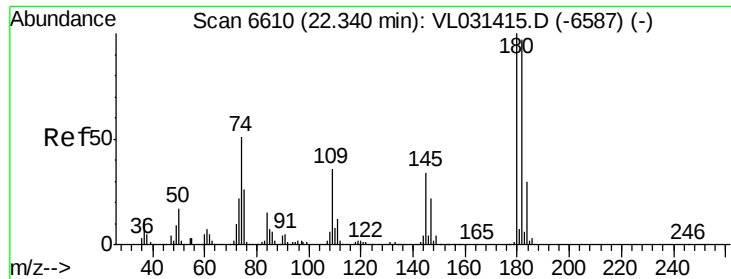
Tgt Ion:128 Resp: 820
Ion Ratio Lower Upper
128 100
127 10.7 10.6 16.0
129 27.4 9.2 13.8#



#80
Naphthalene, 2-methyl-
Concen: 0.01 ppbv
RT: 25.26 min Scan# 7518
Delta R.T. 0.01 min
Lab File: VL031433.D
Acq: 23 Jan 2018 2:04

Tgt Ion:142 Resp: 464
Ion Ratio Lower Upper
142 100
141 97.6 68.7 103.1
115 0.0 36.3 54.5#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.00 ppbv
 RT: 22.33 min Scan# 6608
 Delta R.T. -0.01 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

Tgt Ion:180 Resp: 361
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.2 114.4#
 184 0.0 24.2 36.4#

