

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
 Data File : VL031434.D
 Acq On : 23 Jan 2018 2:40
 Operator : SY/AP
 Sample : J1089-09
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Quant Time: Jan 23 06:23:49 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	1210405	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.44	114	2703907	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2650342	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2152521	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.18	85	9275	0.05	ppbv	93
3) Chlorodifluoromethane	3.11	51	5558	0.03	ppbv	92
4) Chloromethane	3.28	50	1955	0.03	ppbv #	87
5) Vinyl Chloride	3.40	62	2388	0.03	ppbv #	72
6) Bromomethane	3.63	94	1703	0.03	ppbv #	49
7) Chloroethane	3.72	64	895	0.03	ppbv #	42
8) Dichlorotetrafluoroethane	3.32	85	6879	0.04	ppbv	91
9) Propene	3.14	41	1738	0.03	ppbv #	75
10) Heptane	8.41	43	625	0.00	ppbv #	28
11) Trichlorofluoromethane	4.13	101	8253	0.04	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.68	101	3492	0.02	ppbv #	55
13) Ethanol	3.78	45	379	0.02	ppbv #	38
14) Bromoethene	3.90	108	1970	0.03	ppbv #	94
15) Acetone	4.06	43	10796	0.07	ppbv	92
16) 1,3-Butadiene	3.47	39	1703	0.03	ppbv #	70
17) tert-Butyl alcohol	4.54	59	987	0.01	ppbv	95
18) 1,1-Dichloroethene	4.49	96	1656	0.03	ppbv #	75
19) Isopropyl Alcohol	4.15	45	38	0.00	ppbv #	97
20) Methylene Chloride	4.54	84	6416	0.10	ppbv #	79
21) Allyl Chloride	4.61	41	2391	0.02	ppbv #	16
22) trans-1,2-Dichloroethene	5.10	96	780	0.01	ppbv #	1
23) Vinyl Acetate	5.28	43	750	0.00	ppbv #	39
24) 1,1-Dichloroethane	5.23	63	4565	0.03	ppbv #	95
25) Ethyl Acetate	5.93	43	8860	0.03	ppbv	97
26) Hexane	5.93	57	1777	0.01	ppbv #	1
27) Carbon Disulfide	4.76	76	2426	0.01	ppbv #	1
28) Methyl tert-Butyl Ether	5.26	73	101	0.00	ppbv #	54
29) Chloroform	6.00	83	7523	0.03	ppbv #	81
30) Cyclohexane	7.40	84	606	0.01	ppbv #	1
31) cis-1,2-Dichloroethene	5.78	61	2673	0.02	ppbv	92
32) 1,1,1-Trichloroethane	6.77	97	4528	0.02	ppbv #	50
34) 2-Butanone	5.49	43	1570	0.01	ppbv #	55
35) Carbon Tetrachloride	7.29	117	5436	0.02	ppbv	92
36) Benzene	7.16	78	4176	0.02	ppbv #	54
37) 1,2-Dichloroethane	6.56	62	3658	0.02	ppbv #	78
38) Trichloroethene	8.12	130	2539	0.03	ppbv #	45
39) 1,2-Dichloropropane	7.44	63	761495	8.44	ppbv #	22
40) 1,4-Dioxane	8.03	88	80	0.00	ppbv #	1
41) Tetrahydrofuran	6.32	42	128	0.00	ppbv #	38
42) Bromodichloromethane	8.08	83	3492	0.02	ppbv #	49
43) Methyl Methacrylate	8.29	69	71	0.00	ppbv #	1

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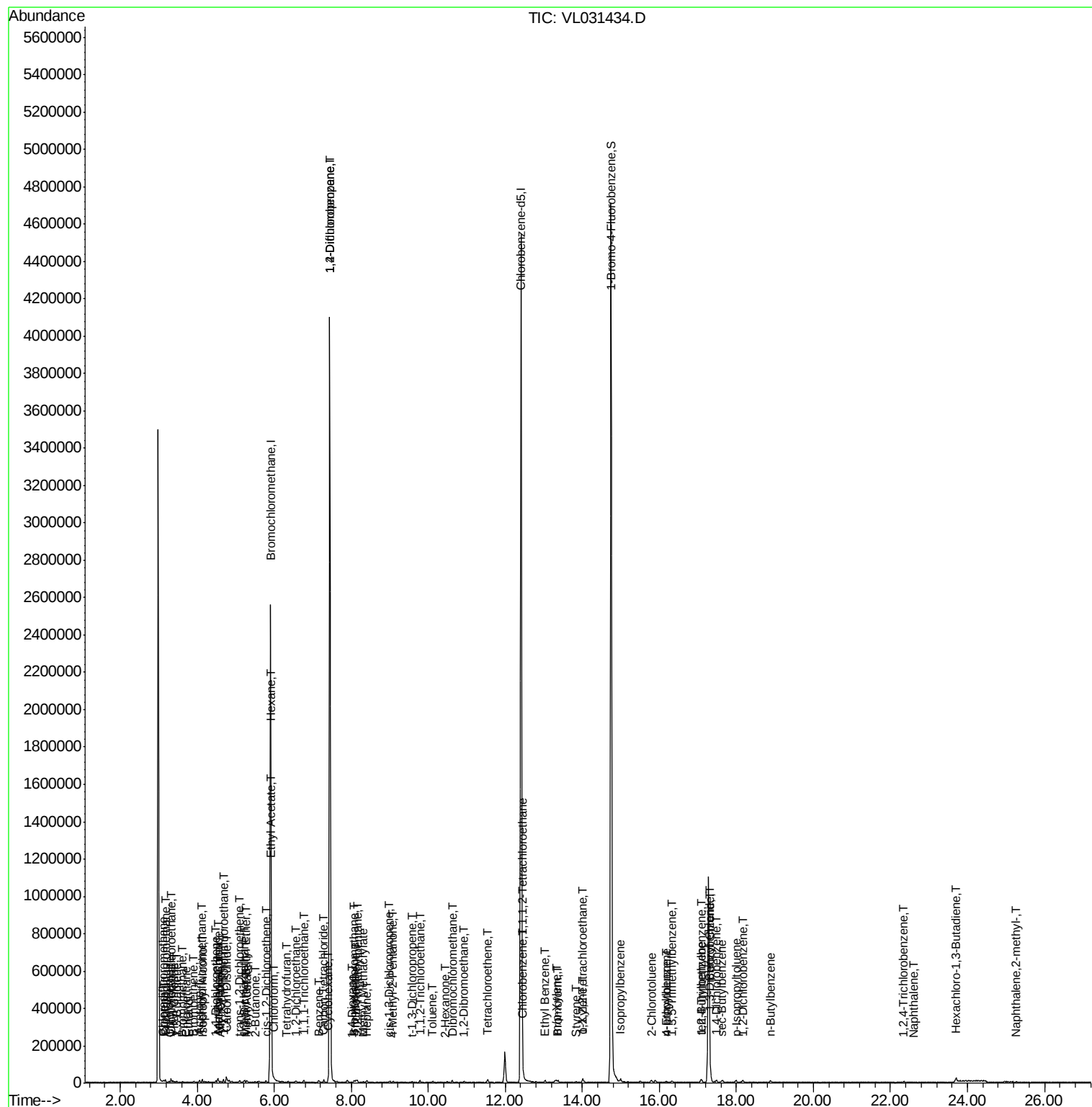
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	5393	0.01	ppbv #	32
45) t-1,3-Dichloropropene	9.58	75	1165	0.01	ppbv	94
46) cis-1,3-Dichloropropene	8.97	75	275	0.00	ppbv	94
47) 1,1,2-Trichloroethane	9.78	97	2517	0.02	ppbv #	66
48) Dibromochloromethane	10.61	129	2387	0.01	ppbv #	10
49) Bromoform	13.37	173	1188	0.01	ppbv #	1
50) 4-Methyl-2-Pentanone	9.06	43	191	0.00	ppbv #	41
51) 2-Hexanone	10.44	43	45	0.00	ppbv #	31
52) Tetrachloroethene	11.54	164	1554	0.02	ppbv #	84
53) Toluene	10.11	91	858	0.00	ppbv #	21
54) 1,2-Dibromoethane	10.92	107	2117	0.01	ppbv	86
56) 1,1,1,2-Tetrachloroethane	12.45	131	1848	0.01	ppbv #	1
57) Chlorobenzene	12.47	112	2251	0.01	ppbv #	49
58) Ethyl Benzene	13.03	91	4426	0.01	ppbv	90
59) m/p-Xylene	13.31	91	1455	0.00	ppbv #	1
60) o-Xylene	14.02	91	2719	0.01	ppbv #	60
61) Styrene	13.85	104	161	0.00	ppbv #	1
62) Isopropylbenzene	15.00	105	5949	0.01	ppbv #	75
63) 1,1,2,2-Tetrachloroethane	14.01	83	3451	0.02	ppbv #	21
64) n-propylbenzene	16.18	120	213	0.00	ppbv	83
65) tert-Butylbenzene	17.08	119	2309	0.01	ppbv #	1
66) Benzyl Chloride	17.32	91	248	0.01	ppbv #	66
67) sec-Butylbenzene	17.62	105	3828	0.01	ppbv #	59
69) p-Isopropyltoluene	17.98	119	3739	0.01	ppbv #	32
70) n-Butylbenzene	18.87	91	903	0.00	ppbv #	34
71) 2-Chlorotoluene	15.79	91	1312	0.00	ppbv #	45
72) 4-Ethyltoluene	16.17	105	1665	0.00	ppbv #	35
73) 1,3,5-Trimethylbenzene	16.32	105	2165	0.01	ppbv #	54
74) 1,2,4-Trimethylbenzene	17.09	105	1113	0.00	ppbv #	67
75) 1,3-Dichlorobenzene	17.33	146	3177	0.02	ppbv #	23
76) 1,4-Dichlorobenzene	17.48	146	1104	0.01	ppbv #	23
77) 1,2-Dichlorobenzene	18.16	146	2393	0.01	ppbv #	18
78) Hexachloro-1,3-Butadiene	23.70	225	1127	0.02	ppbv #	18
79) Naphthalene	22.60	128	246	0.00	ppbv #	68
80) Naphthalene,2-methyl-	25.26	142	235	0.00	ppbv #	1
81) 1,2,4-Trichlorobenzene	22.33	180	209	0.00	ppbv #	10

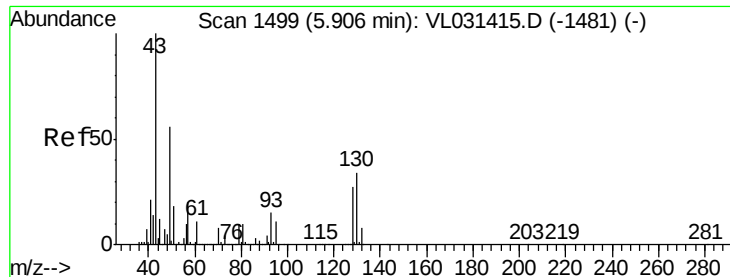
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

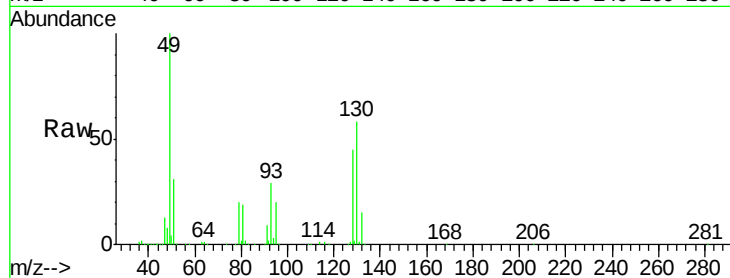
Tgt Ion: 49 Resp: 1210405

Ion Ratio Lower Upper

49 100

128 45.5 23.5 70.6

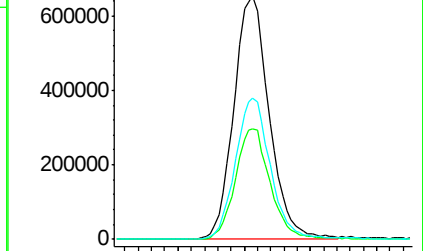
130 58.1 29.9 89.7



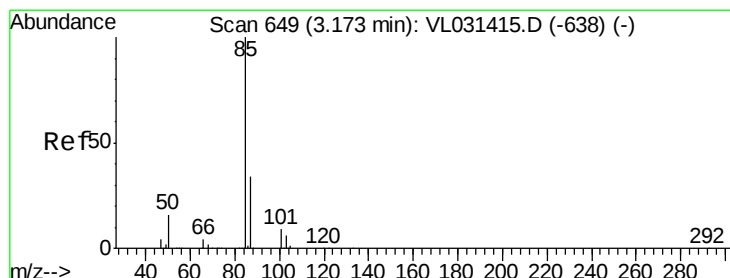
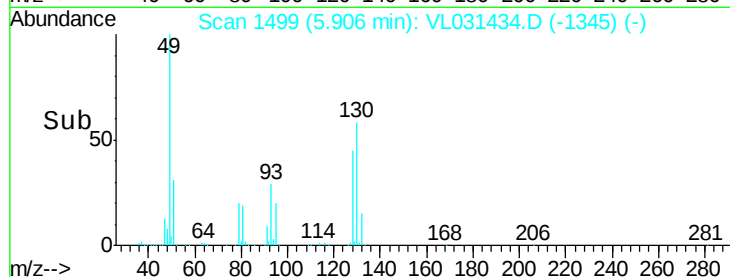
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#2

Dichlorodifluoromethane

Concen: 0.05 ppbv

RT: 3.18 min Scan# 650

Delta R.T. -0.00 min

Lab File: VL031434.D

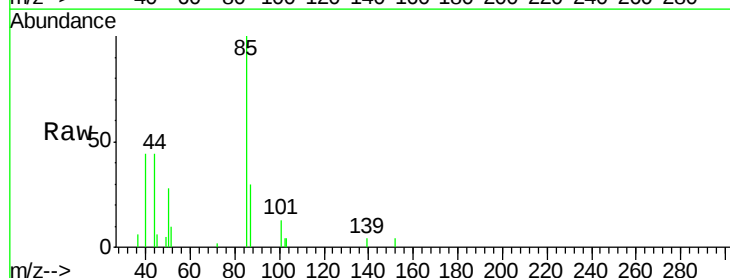
Acq: 23 Jan 2018 2:40

Tgt Ion: 85 Resp: 9275

Ion Ratio Lower Upper

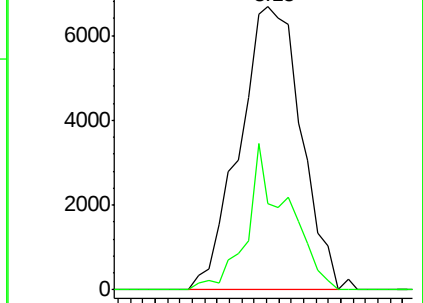
85 100

87 30.3 27.4 41.0

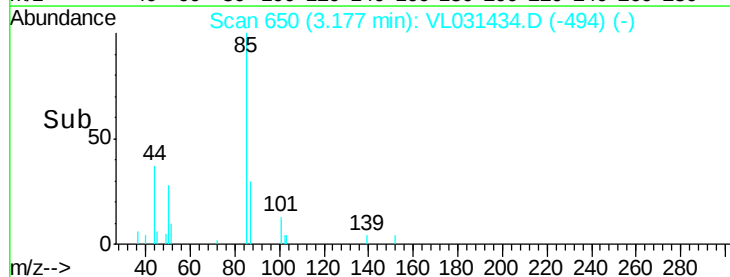


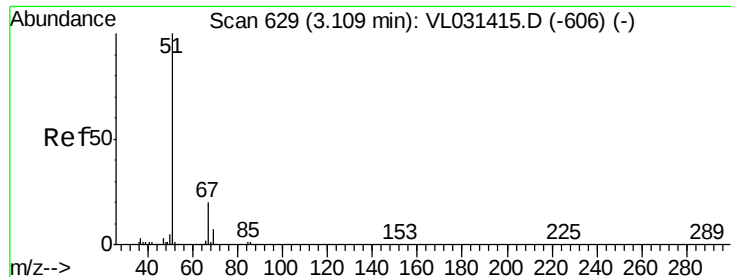
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->





#3

Chlorodifluoromethane

Concen: 0.03 ppbv

RT: 3.11 min Scan# 630

Delta R.T. -0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

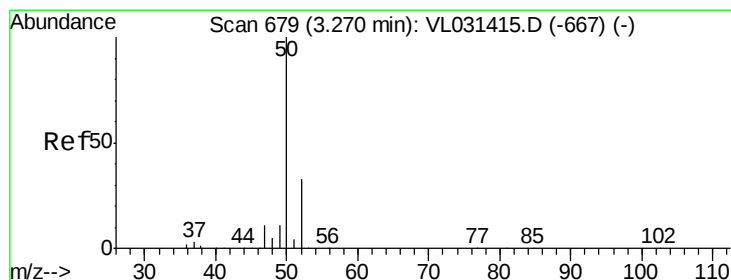
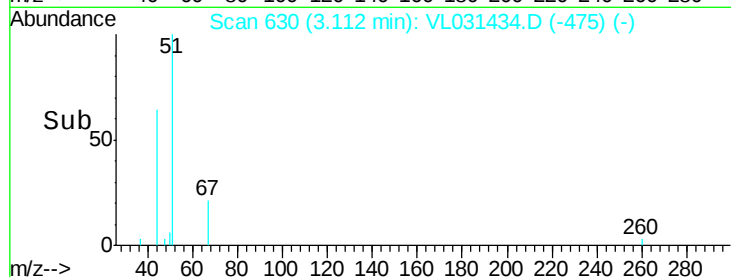
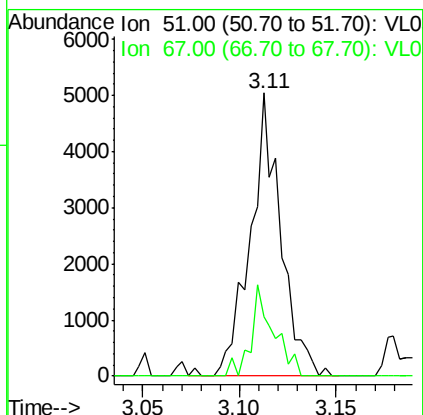
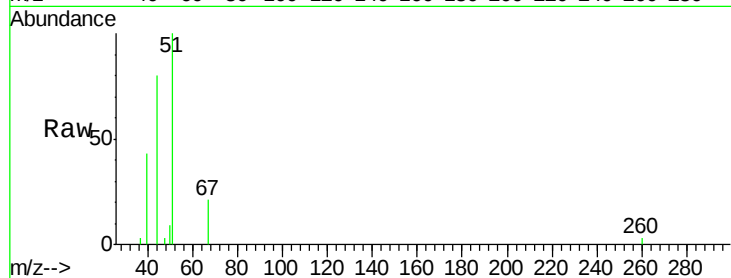
MDL-AIR-2

Tgt Ion: 51 Resp: 5558

Ion Ratio Lower Upper

51 100

67 23.8 16.0 24.0



#4

Chloromethane

Concen: 0.03 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.00 min

Lab File: VL031434.D

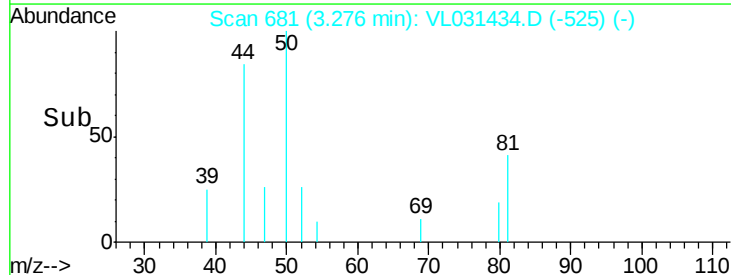
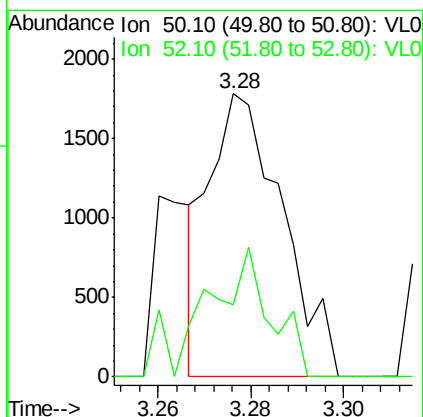
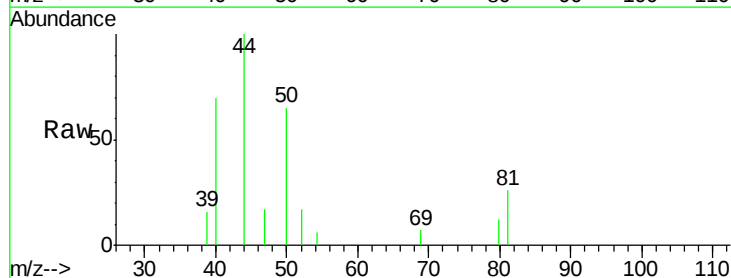
Acq: 23 Jan 2018 2:40

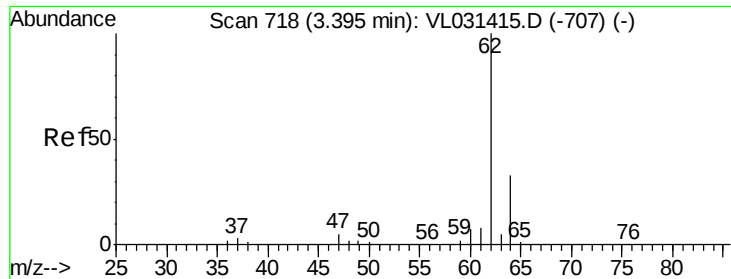
Tgt Ion: 50 Resp: 1955

Ion Ratio Lower Upper

50 100

52 25.7 26.4 39.6#





#5

Vinyl Chloride

Concen: 0.03 ppbv

RT: 3.40 min Scan# 719

Delta R.T. -0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

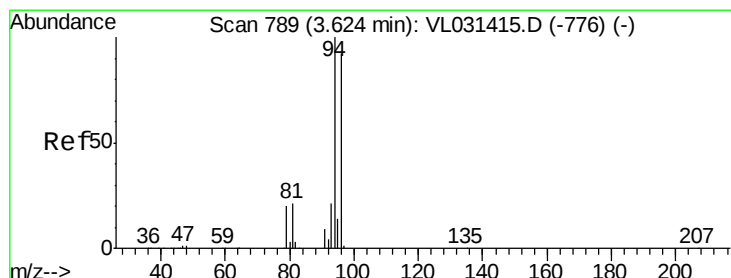
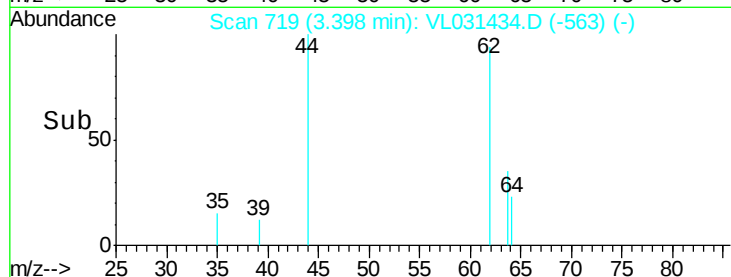
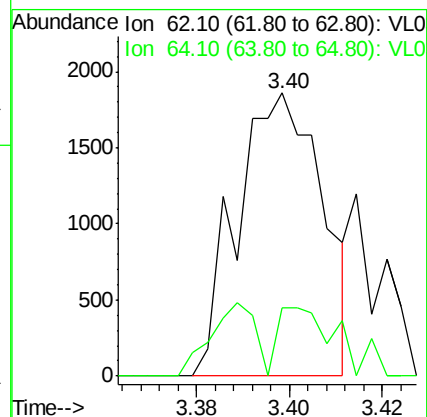
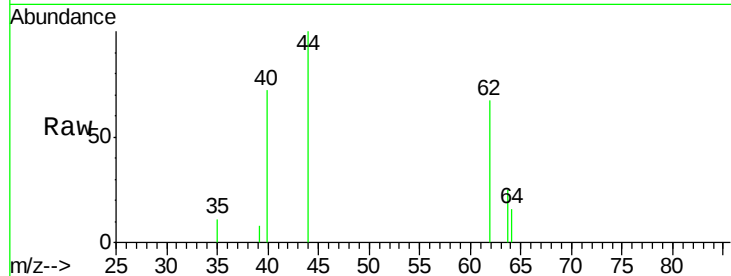
MDL-AIR-2

Tgt Ion: 62 Resp: 2388

Ion Ratio Lower Upper

62 100

64 16.1 25.4 38.0#



#6

Bromomethane

Concen: 0.03 ppbv

RT: 3.63 min Scan# 790

Delta R.T. -0.00 min

Lab File: VL031434.D

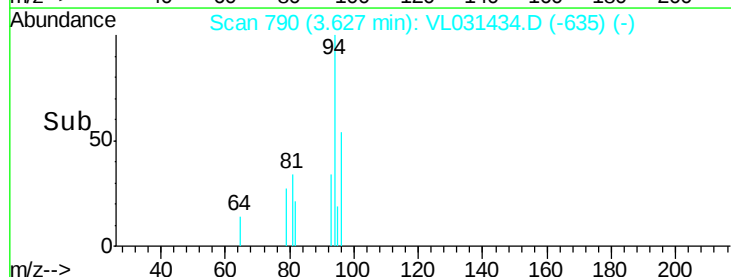
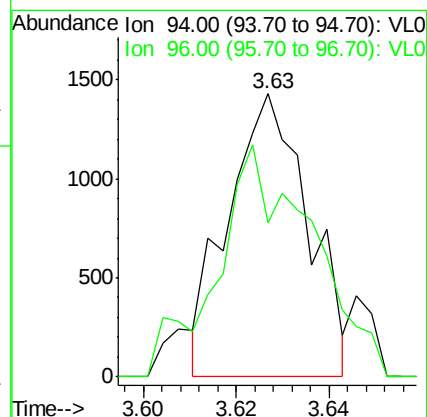
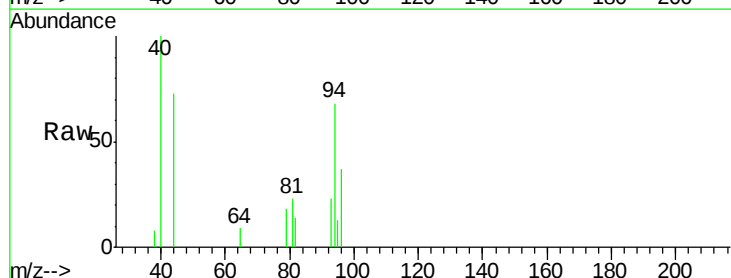
Acq: 23 Jan 2018 2:40

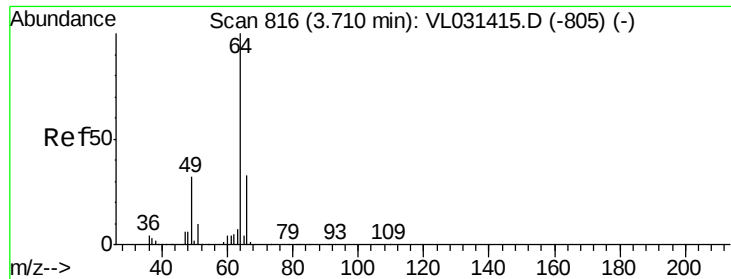
Tgt Ion: 94 Resp: 1703

Ion Ratio Lower Upper

94 100

96 45.0 75.1 112.7#





#7

Chloroethane

Concen: 0.03 ppbv

RT: 3.72 min Scan# 818

Delta R.T. 0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

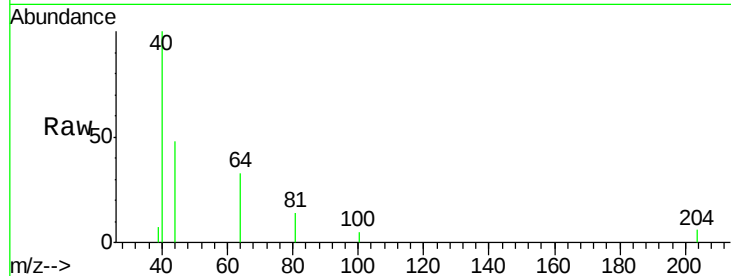
MDL-AIR-2

Tgt Ion: 64 Resp: 895

Ion Ratio Lower Upper

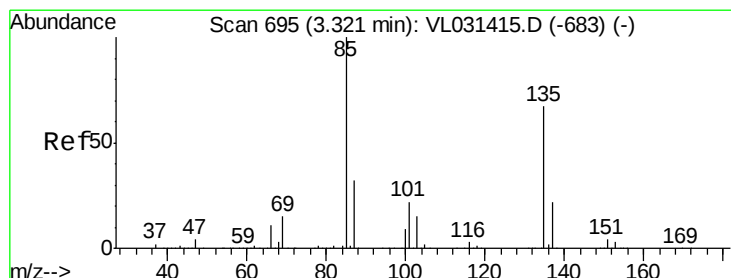
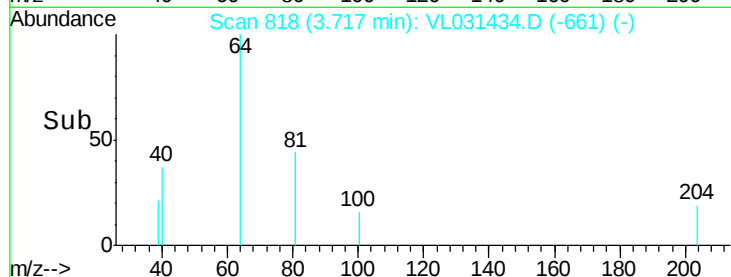
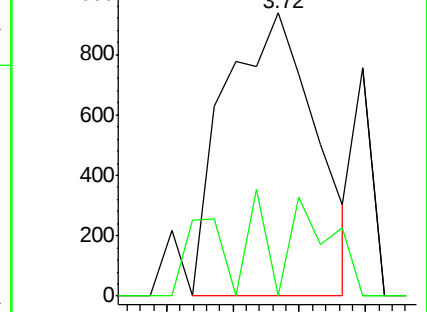
64 100

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



#8

Dichlorotetrafluoroethane

Concen: 0.04 ppbv

RT: 3.32 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL031434.D

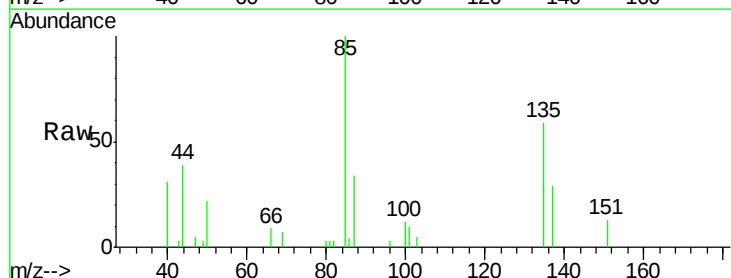
Acq: 23 Jan 2018 2:40

Tgt Ion: 85 Resp: 6879

Ion Ratio Lower Upper

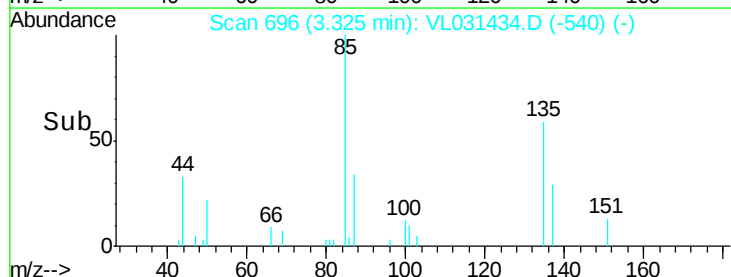
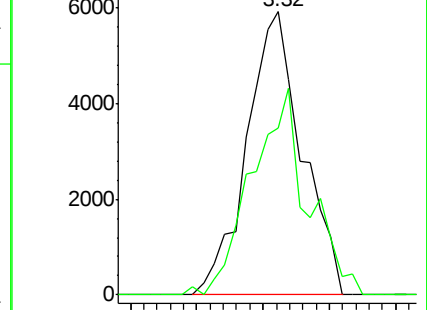
85 100

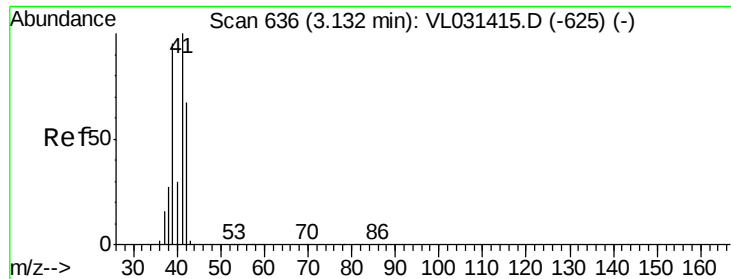
135 73.9 53.3 79.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.03 ppbv

RT: 3.14 min Scan# 639

Delta R.T. 0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

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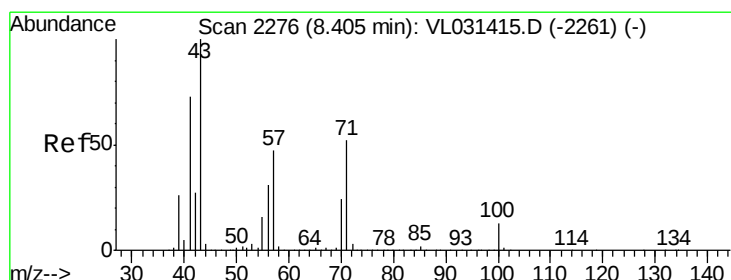
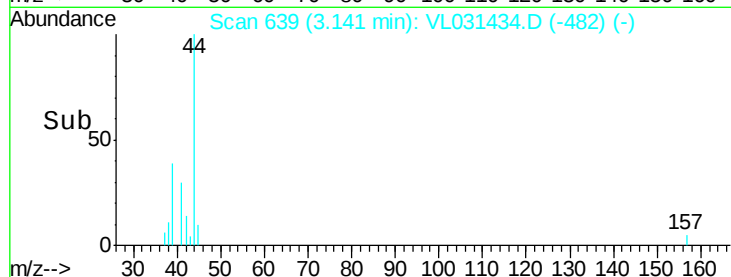
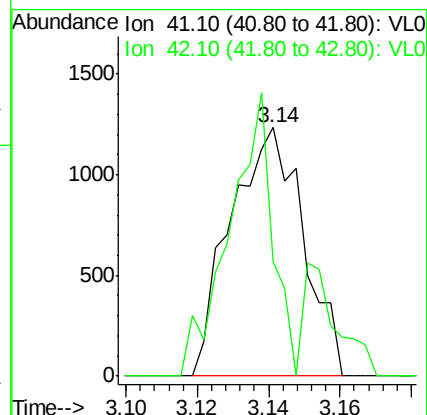
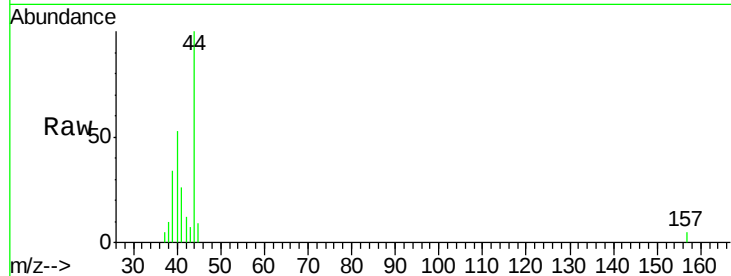
MDL-AIR-2

Tgt Ion: 41 Resp: 1738

Ion Ratio Lower Upper

41 100

42 88.5 54.6 82.0#



#10

Heptane

Concen: 0.00 ppbv

RT: 8.41 min Scan# 2277

Delta R.T. -0.00 min

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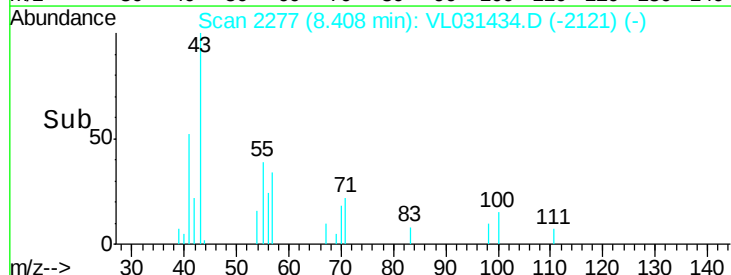
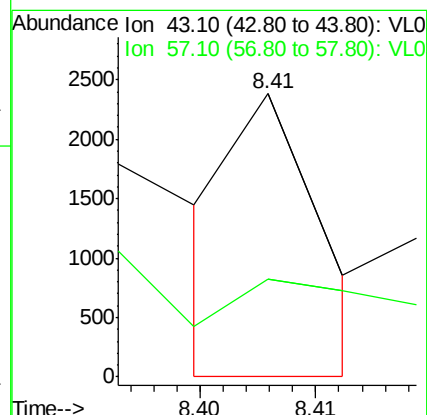
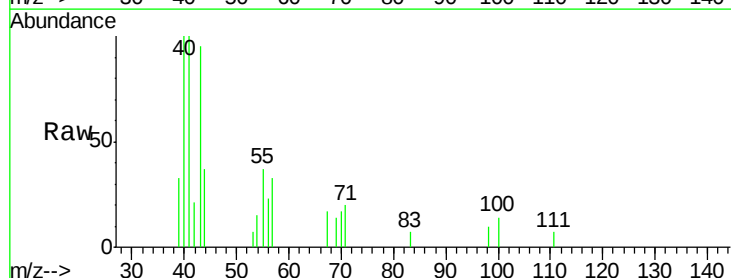
Acq: 23 Jan 2018 2:40

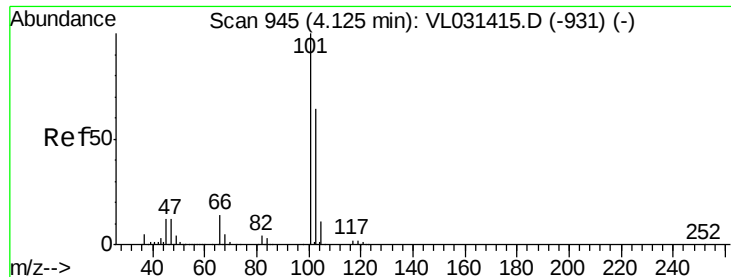
Tgt Ion: 43 Resp: 625

Ion Ratio Lower Upper

43 100

57 0.0 39.7 59.5#

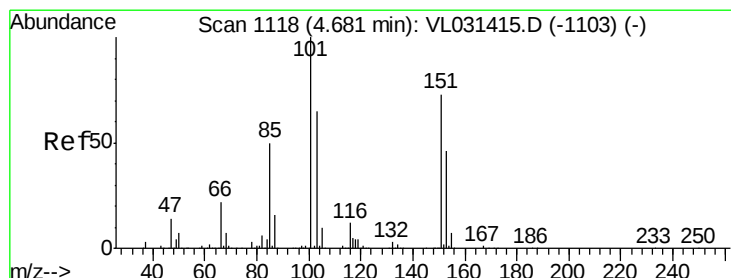
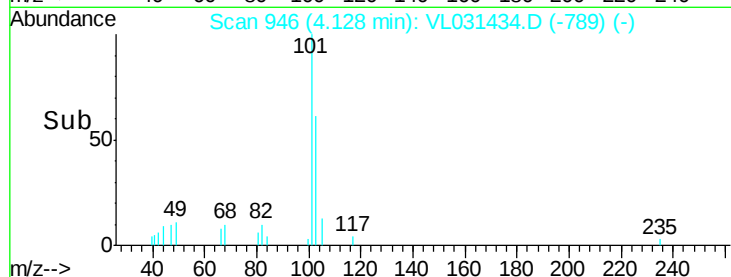
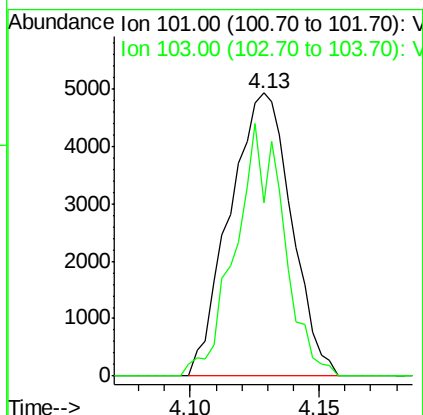
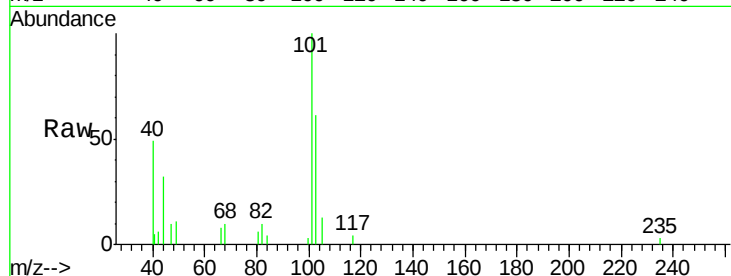




#11
 Trichlorofluoromethane
 Concen: 0.04 ppbv
 RT: 4.13 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

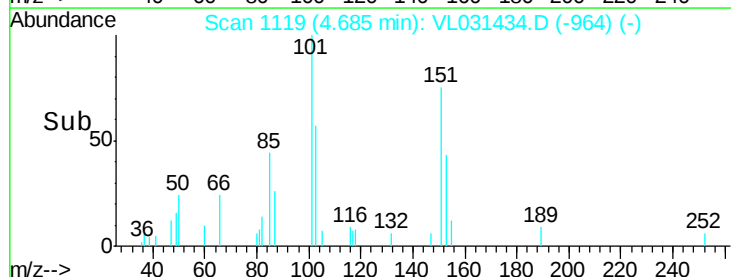
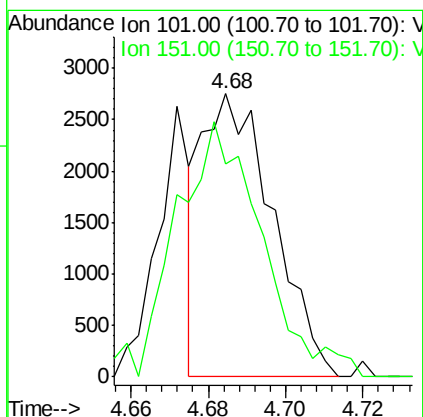
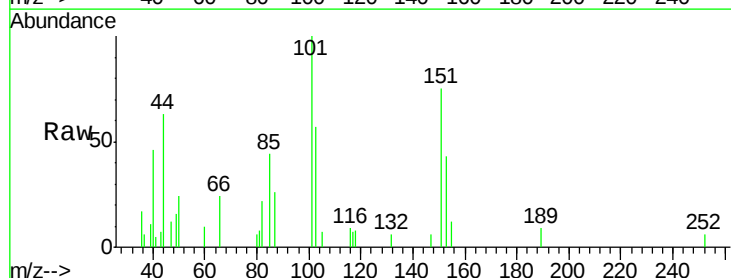
Instrument :
 MSVOA_L
 ClientSampled :
 MDL-AIR-2

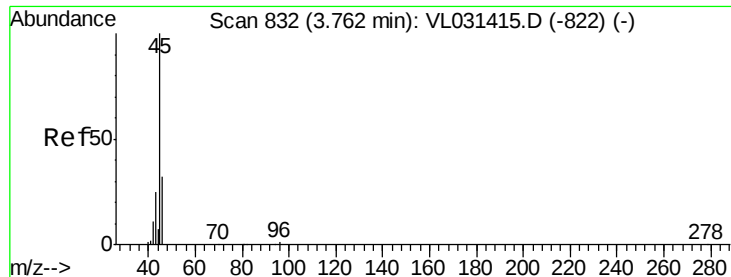
Tgt Ion:101 Resp: 8253
 Ion Ratio Lower Upper
 101 100
 103 61.1 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.02 ppbv
 RT: 4.68 min Scan# 1119
 Delta R.T. -0.00 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Tgt Ion:101 Resp: 3492
 Ion Ratio Lower Upper
 101 100
 151 110.3 58.1 87.1#





#13

Ethanol

Concen: 0.02 ppbv

RT: 3.78 min Scan# 838

Delta R.T. 0.02 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

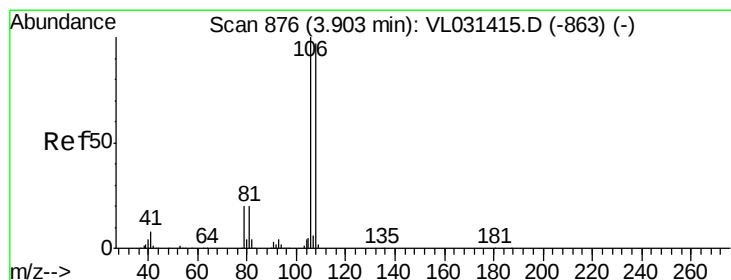
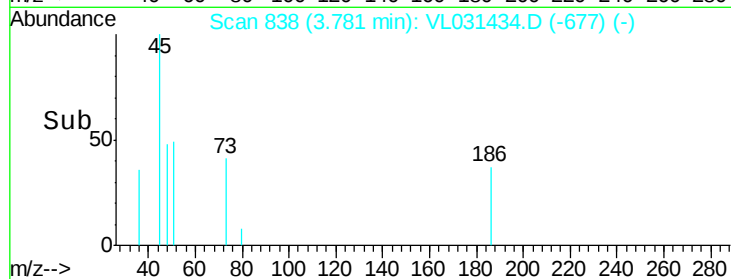
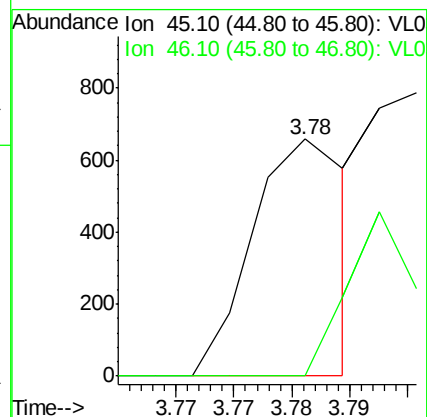
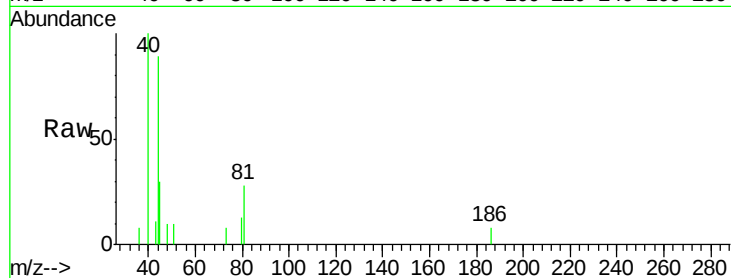
MDL-AIR-2

Tgt Ion: 45 Resp: 379

Ion Ratio Lower Upper

45 100

46 0.0 14.9 59.5#



#14

Bromoethene

Concen: 0.03 ppbv

RT: 3.90 min Scan# 876

Delta R.T. -0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

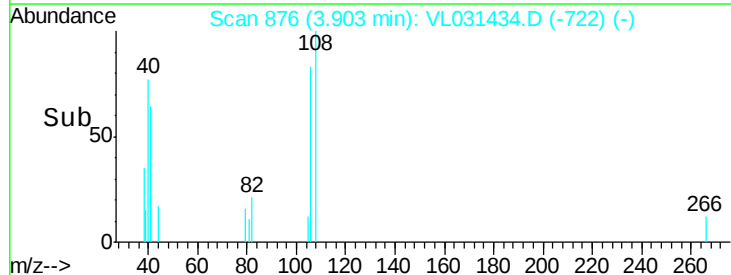
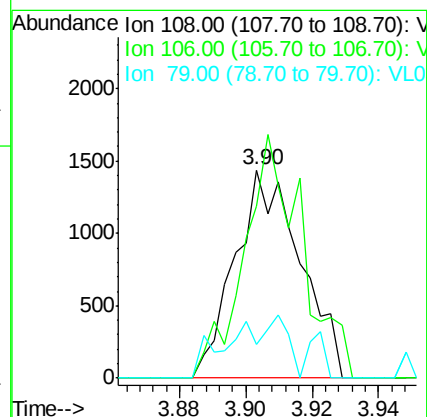
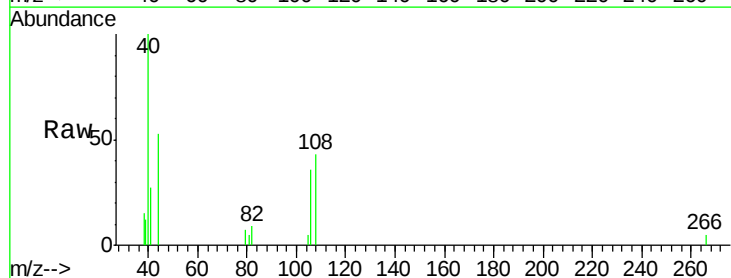
Tgt Ion: 108 Resp: 1970

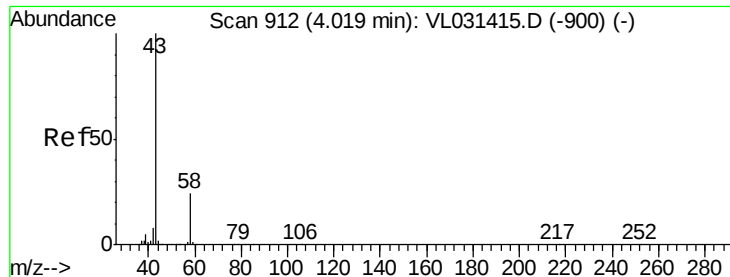
Ion Ratio Lower Upper

108 100

106 103.5 85.3 127.9

79 31.5 16.8 25.2#





#15

Acetone

Concen: 0.07 ppbv

RT: 4.06 min Scan# 924

Delta R.T. 0.04 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

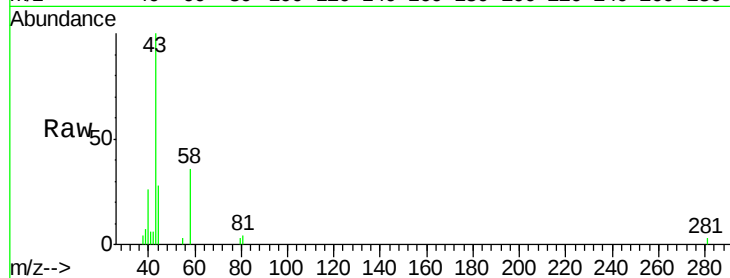
MDL-AIR-2

Tgt Ion: 43 Resp: 10796

Ion Ratio Lower Upper

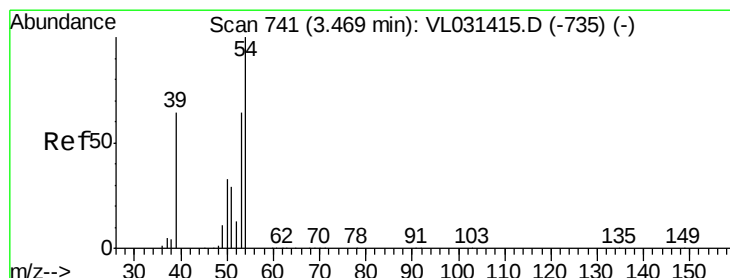
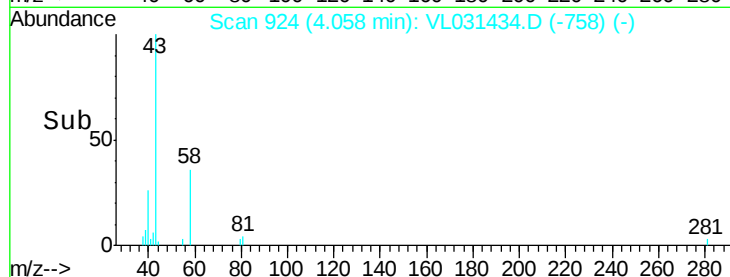
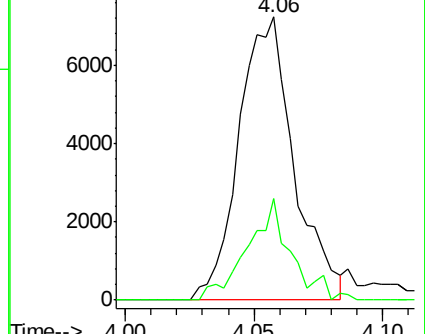
43 100

58 28.4 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: 0.03 ppbv

RT: 3.47 min Scan# 742

Delta R.T. -0.00 min

Lab File: VL031434.D

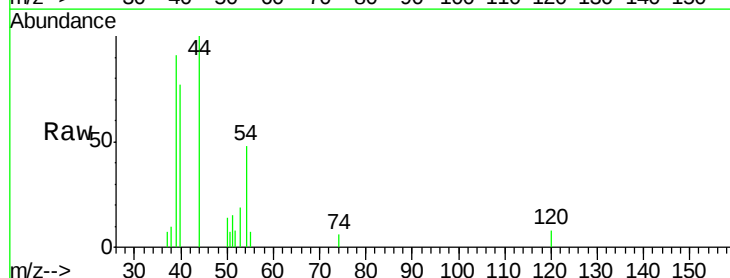
Acq: 23 Jan 2018 2:40

Tgt Ion: 39 Resp: 1703

Ion Ratio Lower Upper

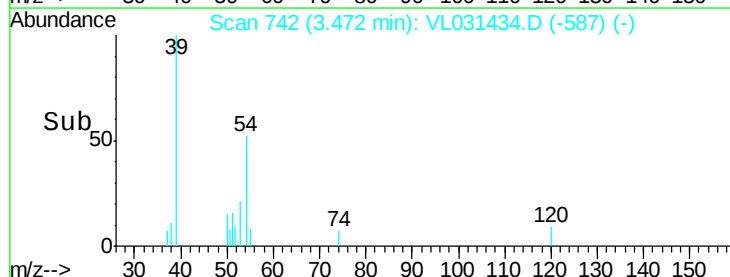
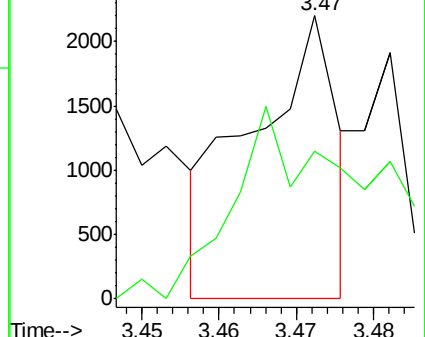
39 100

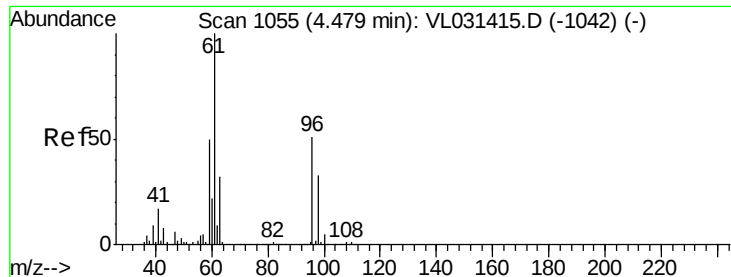
54 110.9 67.0 100.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

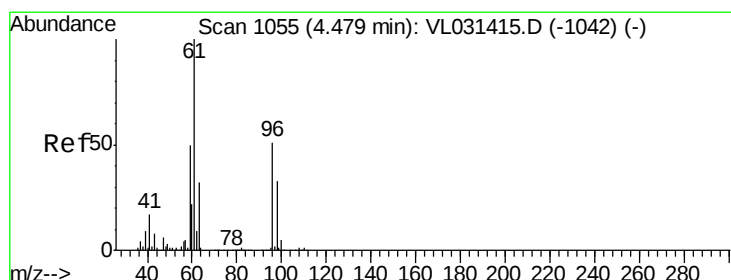
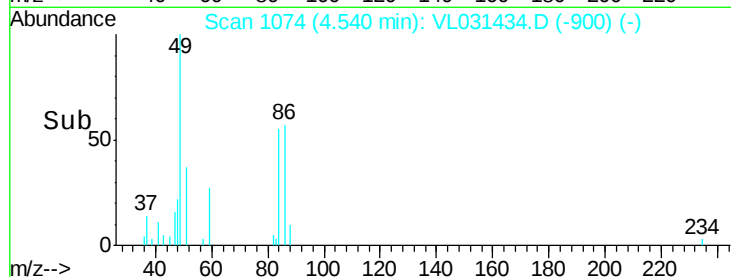
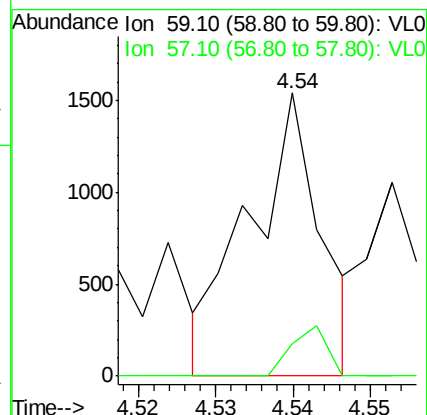
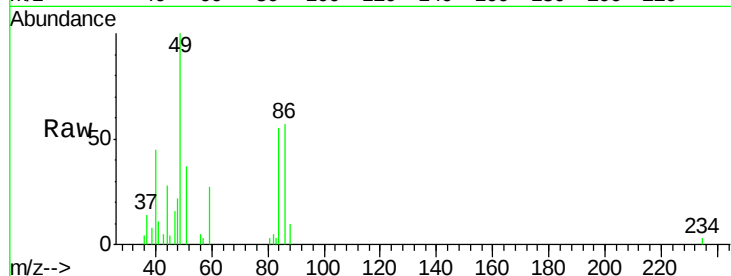




#17
 tert-Butyl alcohol
 Concen: 0.01 ppbv
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.06 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

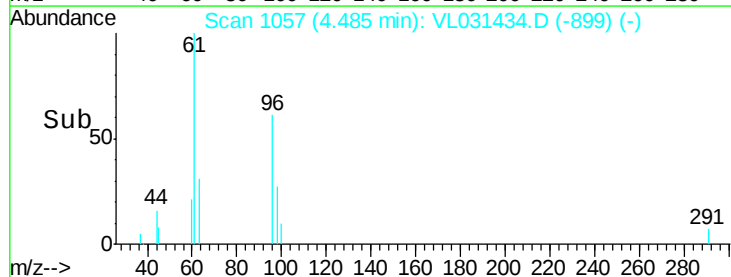
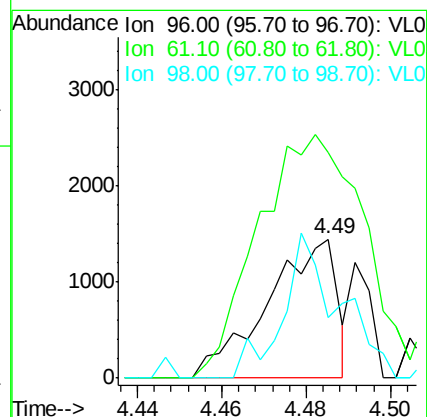
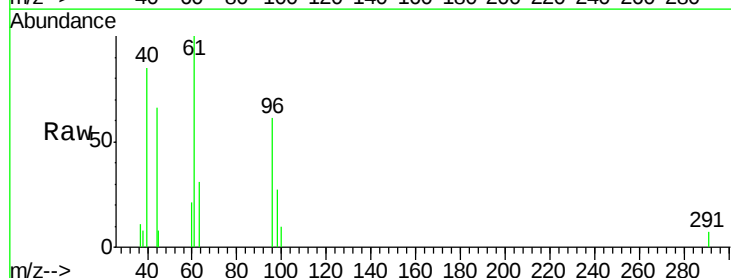
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

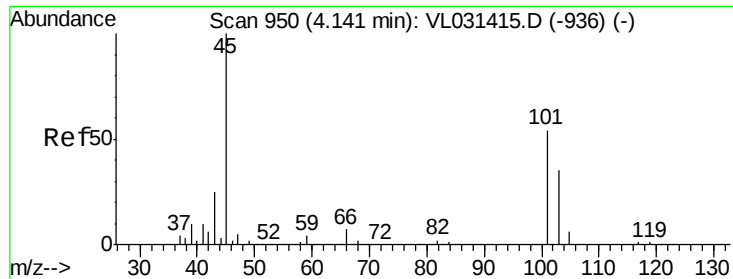
Tgt Ion: 59 Resp: 987
 Ion Ratio Lower Upper
 59 100
 57 8.8 8.6 13.0



#18
 1,1-Dichloroethene
 Concen: 0.03 ppbv
 RT: 4.49 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Tgt Ion: 96 Resp: 1656
 Ion Ratio Lower Upper
 96 100
 61 162.6 161.6 242.4
 98 44.0 49.6 74.4#





#19

Isopropyl Alcohol

Concen: 0.00 ppbv

RT: 4.15 min Scan# 953

Delta R.T. 0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

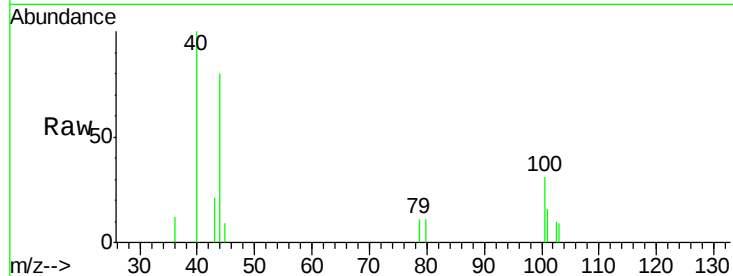
MDL-AIR-2

Tgt Ion: 45 Resp: 38

Ion Ratio Lower Upper

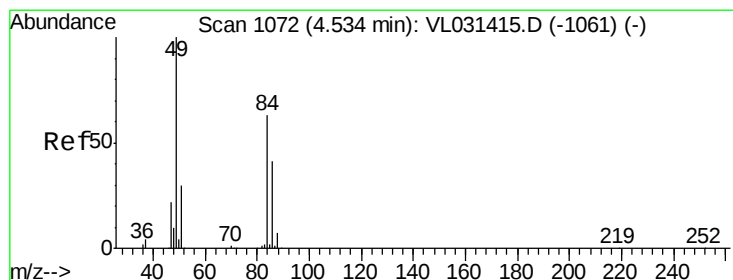
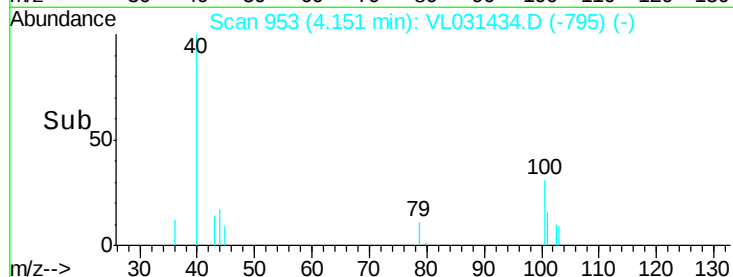
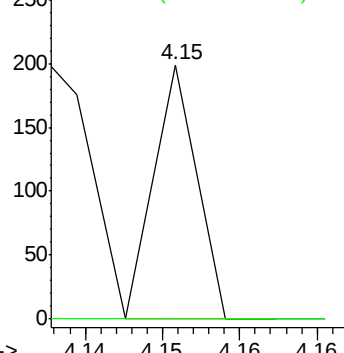
45 100

58 0.0 1.0 1.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.10 ppbv

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Tgt Ion: 84 Resp: 6416

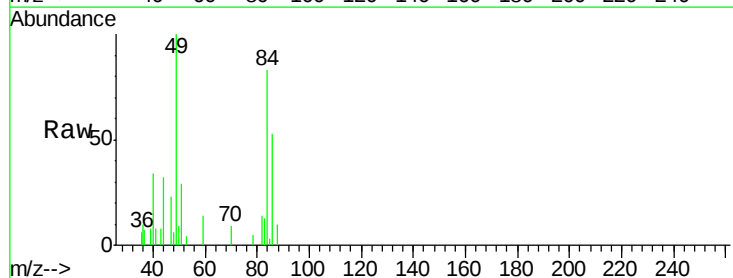
Ion Ratio Lower Upper

84 100

49 120.1 123.4 185.0#

51 30.6 35.6 53.4#

86 57.0 49.4 74.2

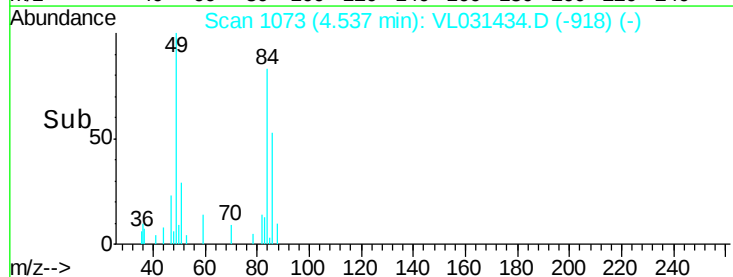
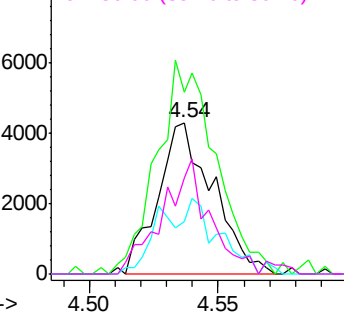


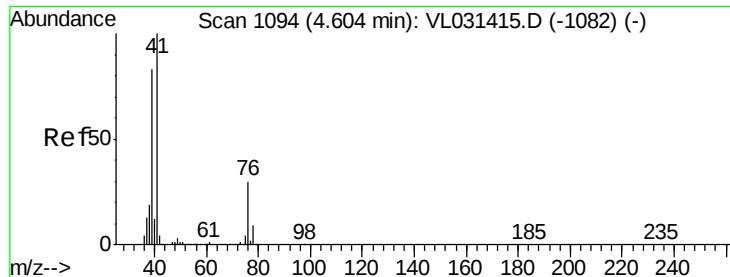
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

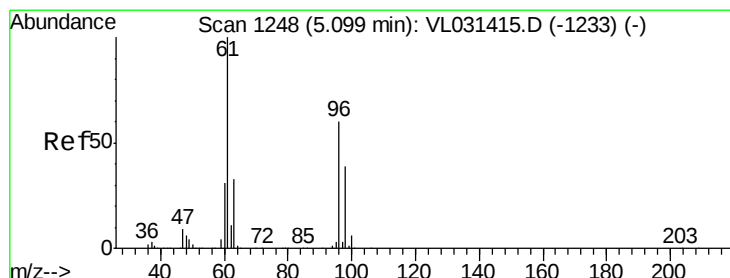
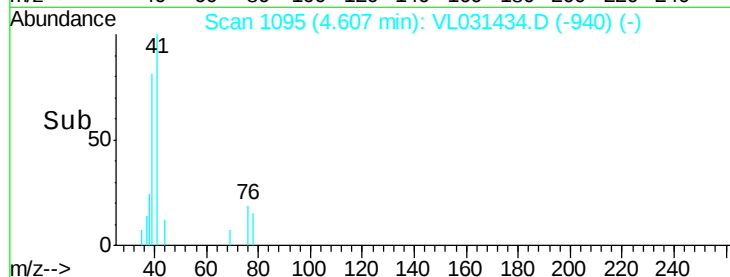
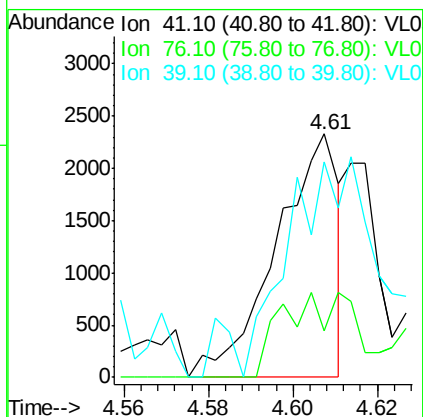
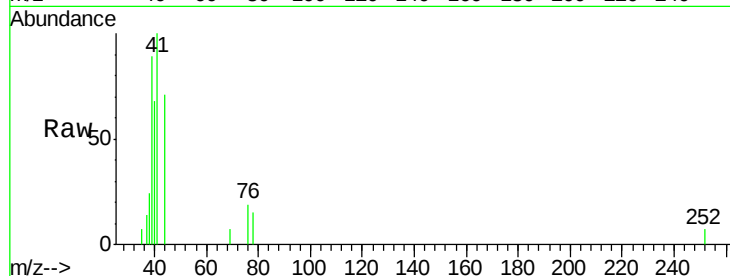




#21
 Allyl Chloride
 Concen: 0.02 ppbv
 RT: 4.61 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

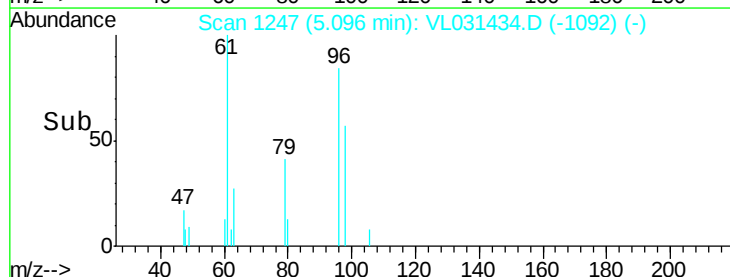
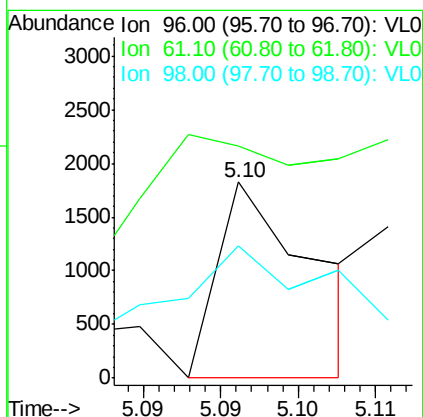
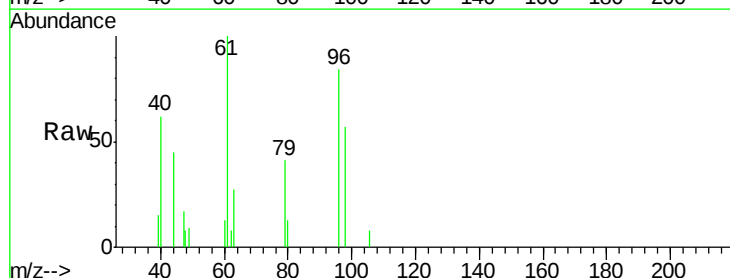
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

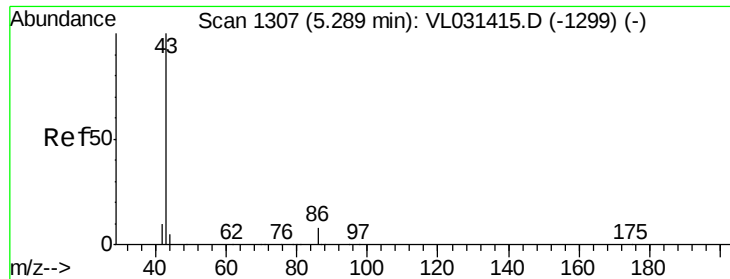
Tgt Ion: 41 Resp: 2391
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.2 36.2#
 39 0.0 69.8 104.8#



#22
 trans-1,2-Dichloroethene
 Concen: 0.01 ppbv
 RT: 5.10 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Tgt Ion: 96 Resp: 780
 Ion Ratio Lower Upper
 96 100
 61 6.7 135.0 202.4#
 98 26.6 52.2 78.2#



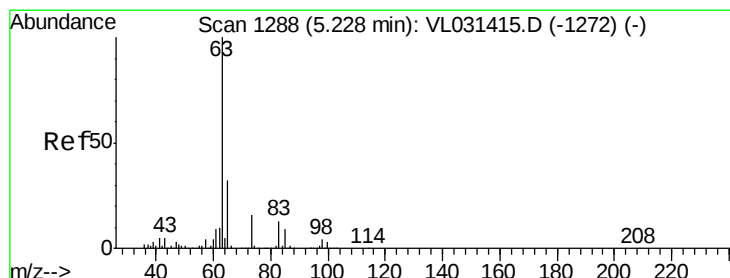
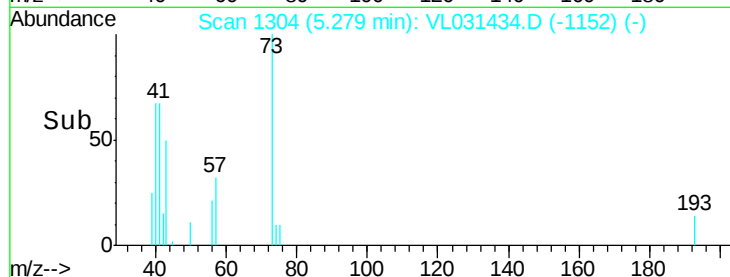
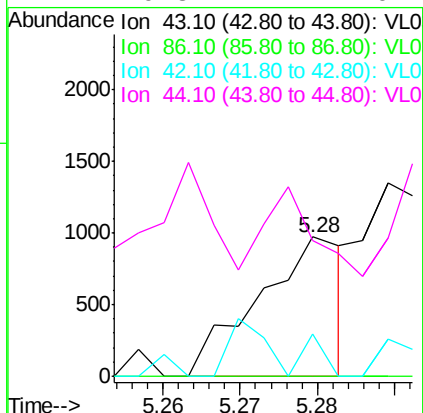
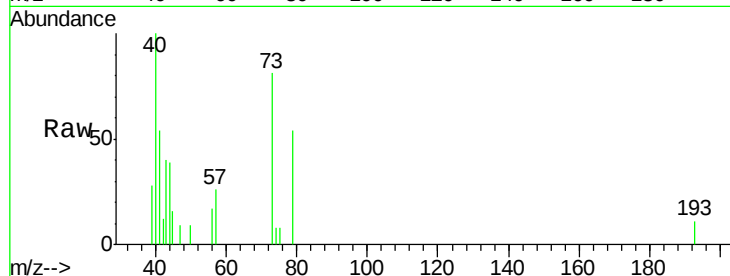


#23
 Vinyl Acetate
 Concen: 0.00 ppbv
 RT: 5.28 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tgt Ion: 43 Resp: 750

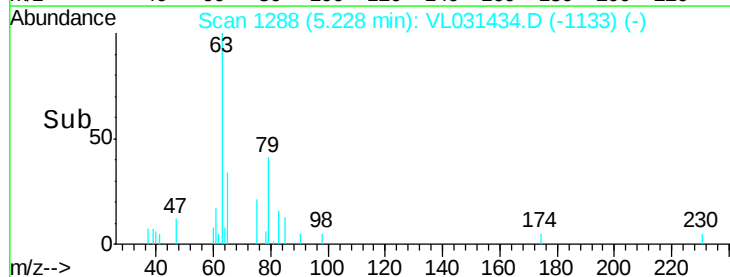
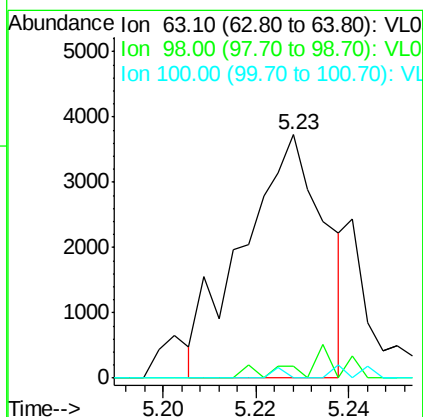
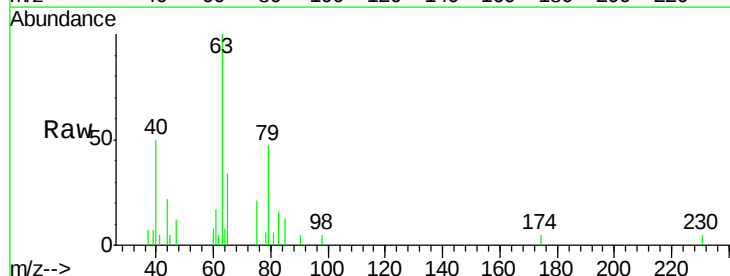
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.6	8.4#
42	30.8	8.6	12.8#
44	49.3	4.2	6.4#

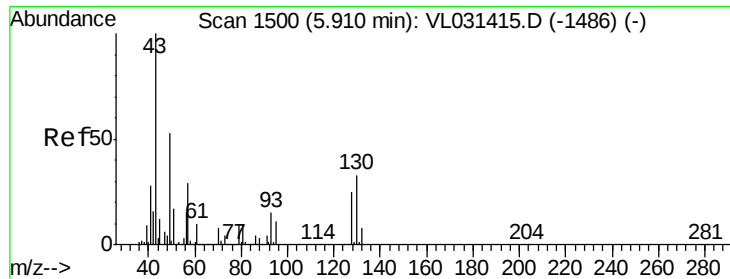


#24
 1,1-Dichloroethane
 Concen: 0.03 ppbv
 RT: 5.23 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Tgt Ion: 63 Resp: 4565

Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.4	7.1
100	0.0	1.3	3.9#

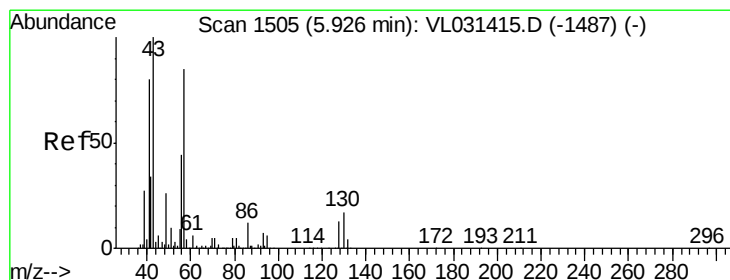
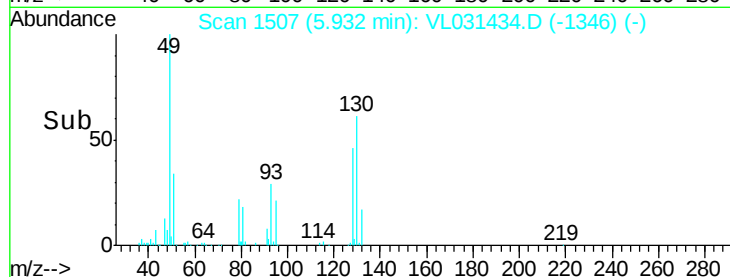
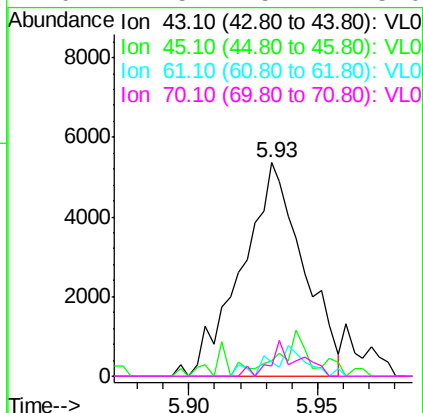
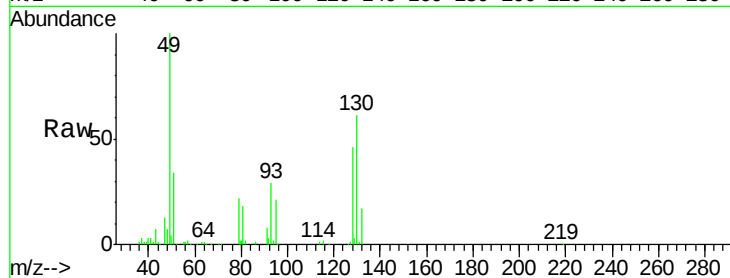




#25
Ethyl Acetate
Concen: 0.03 ppbv
RT: 5.93 min Scan# 1507
Delta R.T. 0.02 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

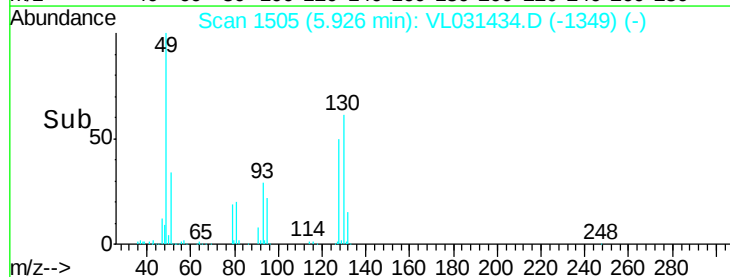
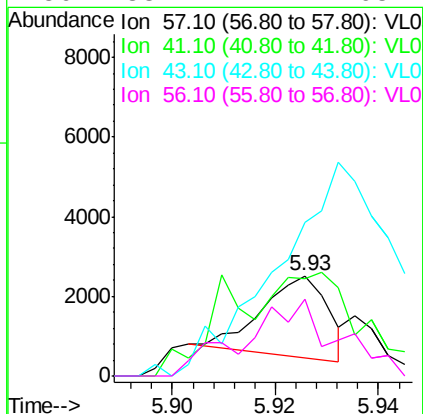
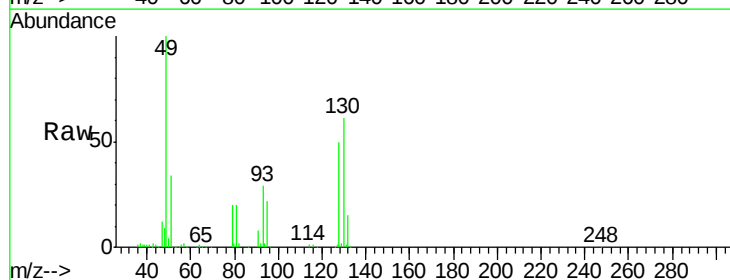
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

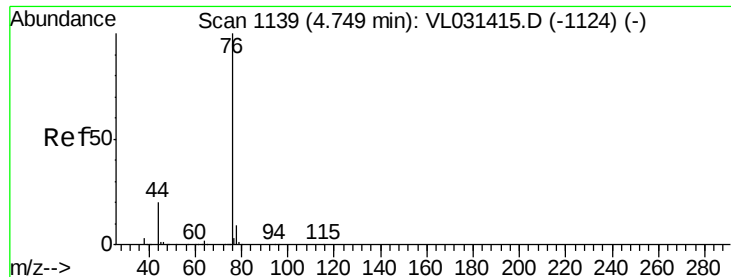
Tgt Ion:	43	Resp:	8860
Ion	Ratio	Lower	Upper
43	100		
45	11.5	7.8	11.6
61	8.4	7.0	10.6
70	7.5	5.4	8.0



#26
Hexane
Concen: 0.01 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. -0.00 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

Tgt Ion:	57	Resp:	1777
Ion	Ratio	Lower	Upper
57	100		
41	0.0	77.1	115.7#
43	0.0	180.7	271.1#
56	133.4	42.2	63.2#





#27

Carbon Disulfide

Concen: 0.01 ppbv

RT: 4.76 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

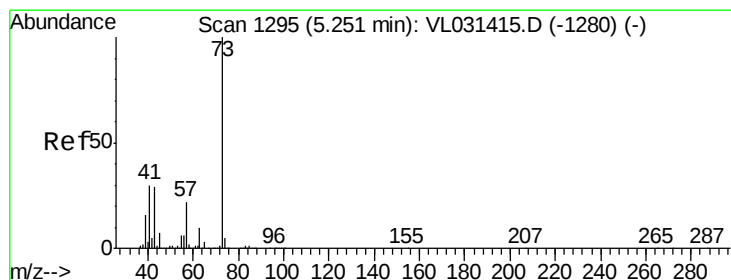
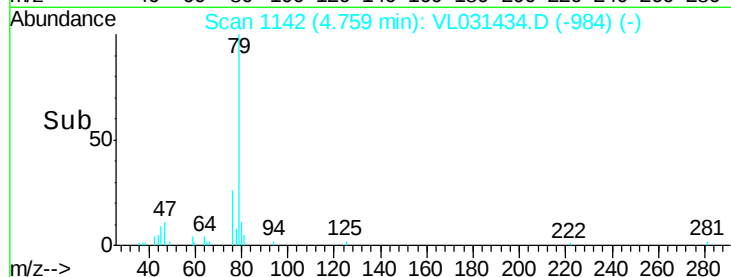
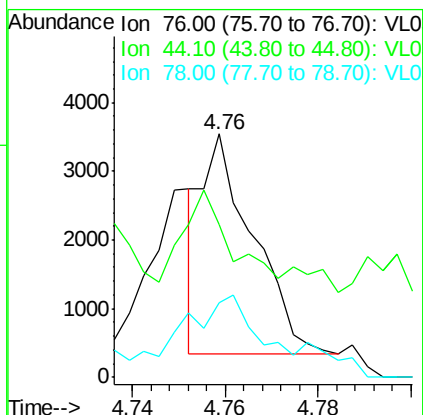
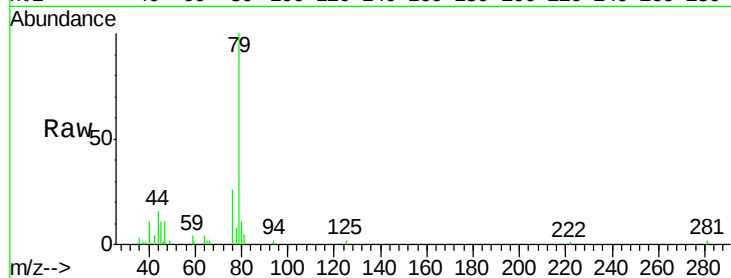
Tgt Ion: 76 Resp: 2426

Ion Ratio Lower Upper

76 100

44 94.4 16.7 25.1#

78 78.2 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 0.00 ppbv

RT: 5.26 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VL031434.D

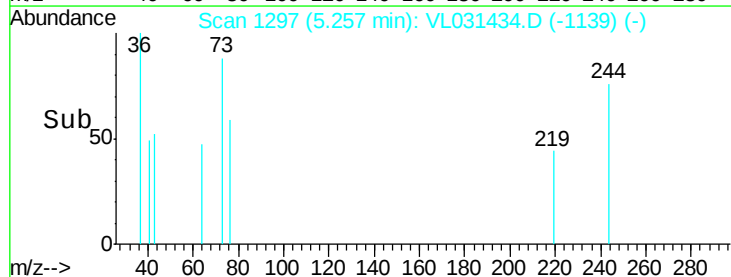
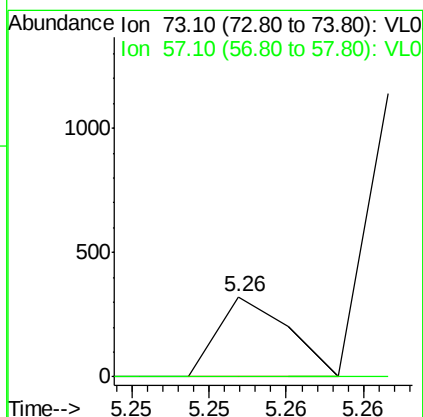
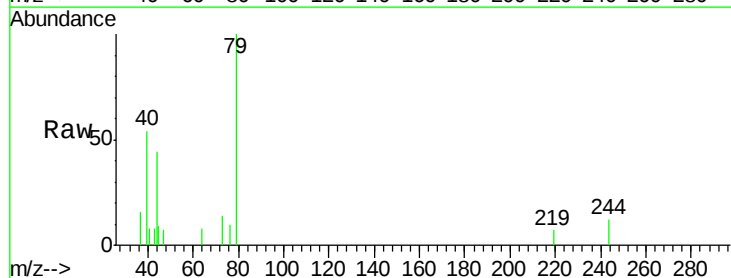
Acq: 23 Jan 2018 2:40

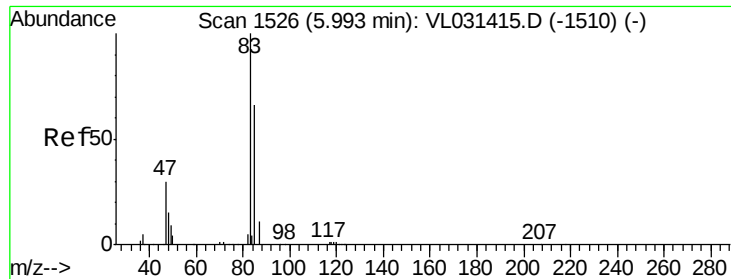
Tgt Ion: 73 Resp: 101

Ion Ratio Lower Upper

73 100

57 0.0 17.5 26.3#





#29

Chloroform

Concen: 0.03 ppbv

RT: 6.00 min Scan# 1527

Delta R.T. -0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

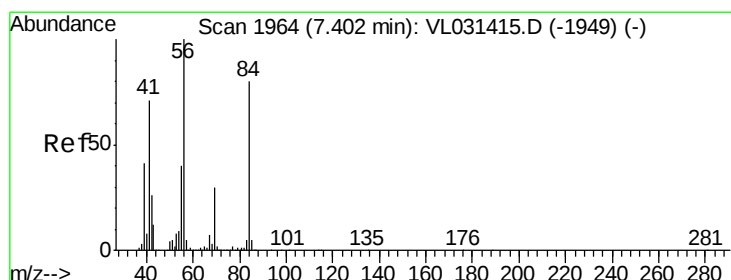
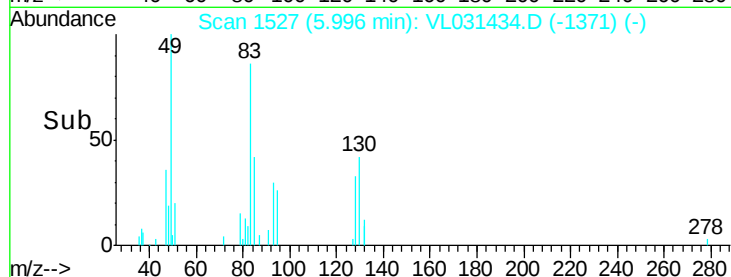
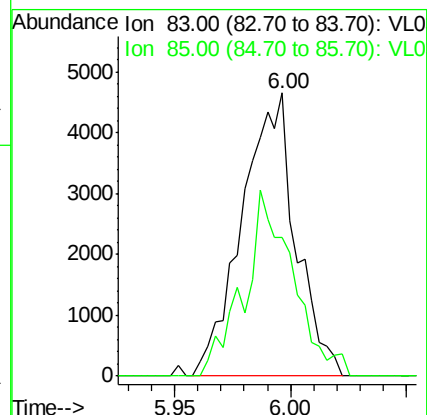
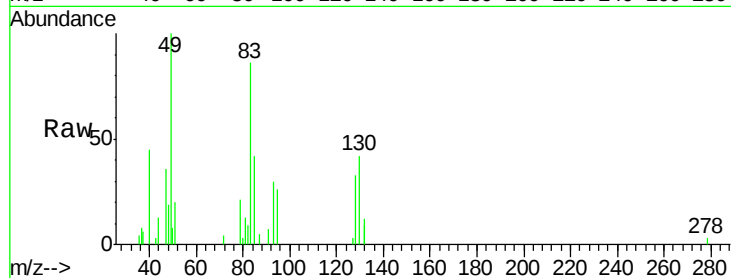
MDL-AIR-2

Tgt Ion: 83 Resp: 7523

Ion Ratio Lower Upper

83 100

85 49.0 51.3 76.9#



#30

Cyclohexane

Concen: 0.01 ppbv

RT: 7.40 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

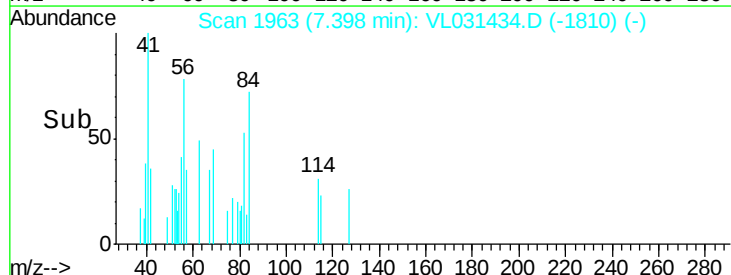
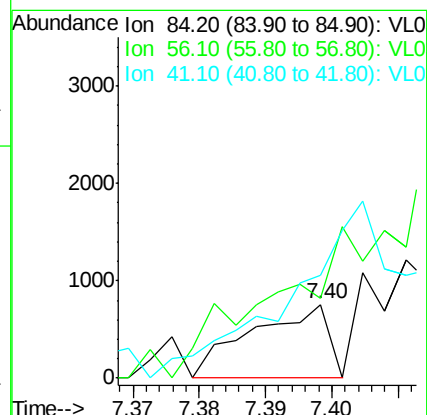
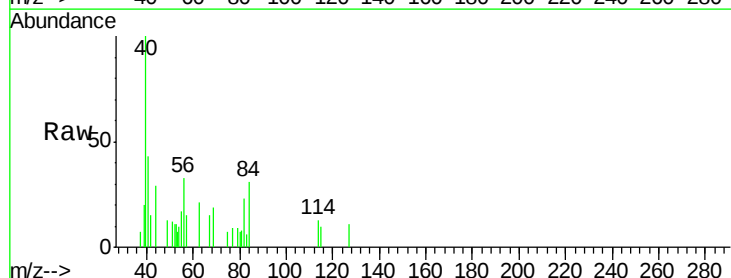
Tgt Ion: 84 Resp: 606

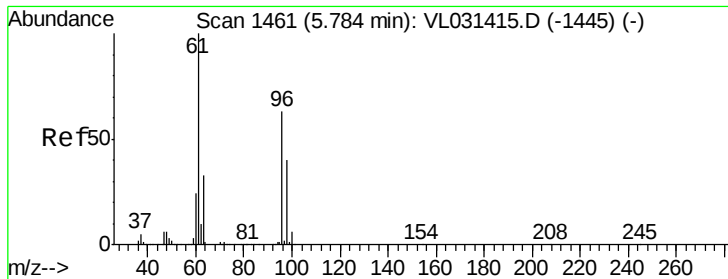
Ion Ratio Lower Upper

84 100

56 0.0 109.0 163.4#

41 545.0 73.3 109.9#





#31

cis-1,2-Dichloroethene

Concen: 0.02 ppbv

RT: 5.78 min Scan# 1460

Delta R.T. -0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

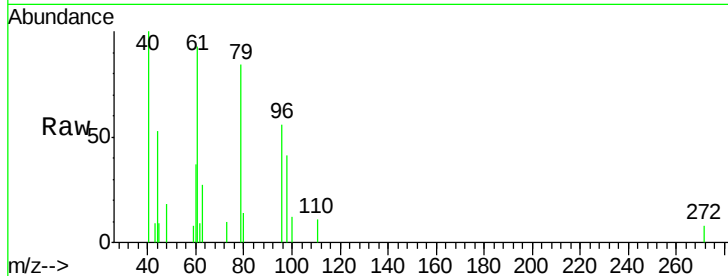
Tgt Ion: 61 Resp: 2673

Ion Ratio Lower Upper

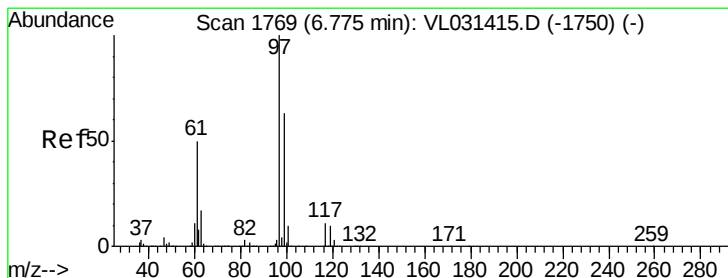
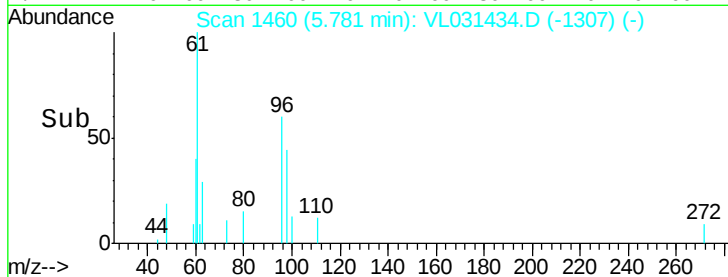
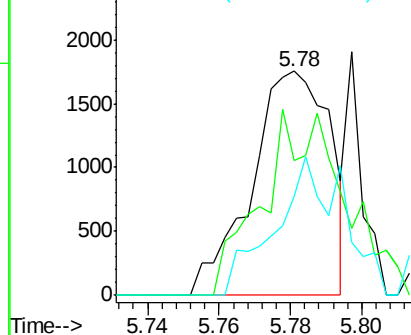
61 100

96 55.1 51.3 76.9

98 40.3 33.6 50.4



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



#32

1,1,1-Trichloroethane

Concen: 0.02 ppbv

RT: 6.77 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

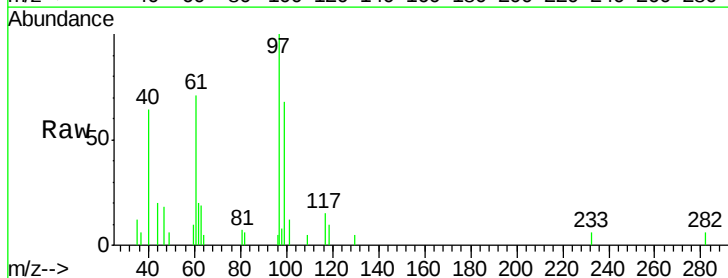
Tgt Ion: 97 Resp: 4528

Ion Ratio Lower Upper

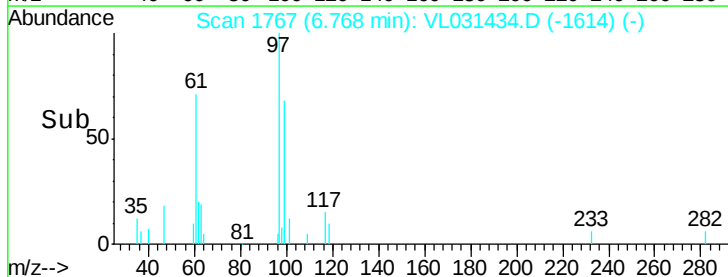
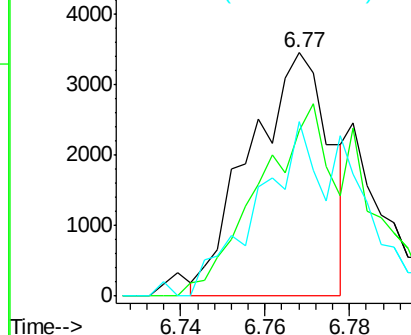
97 100

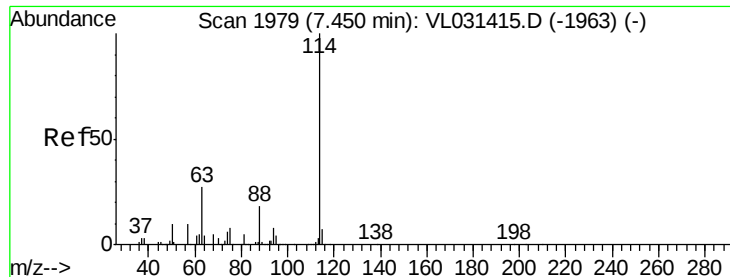
99 100.4 51.9 77.9#

61 89.2 40.6 61.0#



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

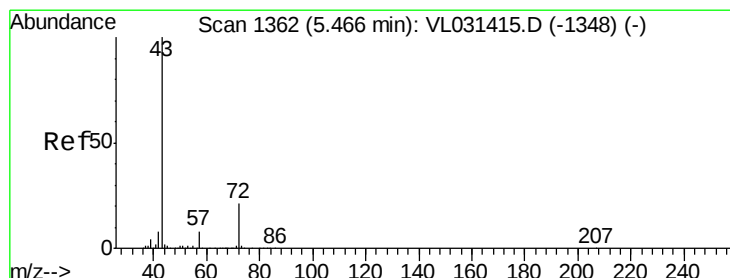
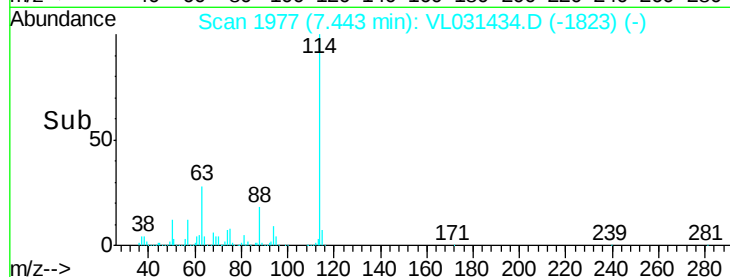
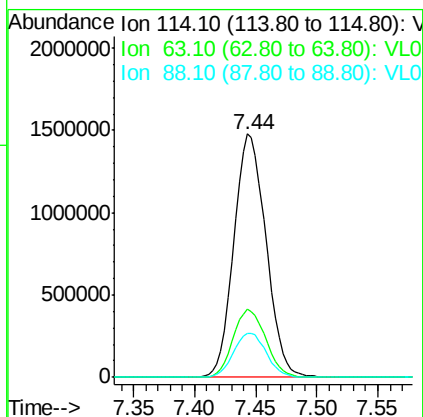
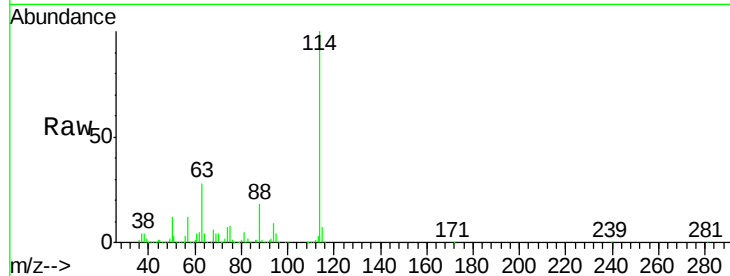




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.44 min Scan# 1977
 Delta R.T. -0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

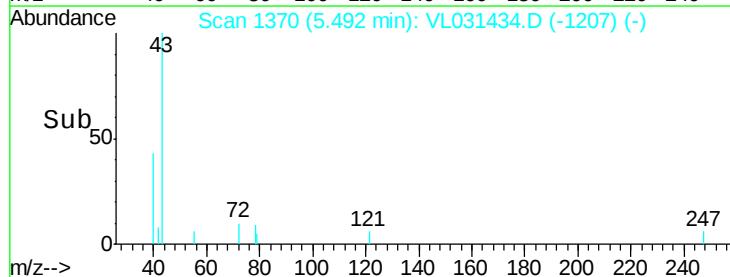
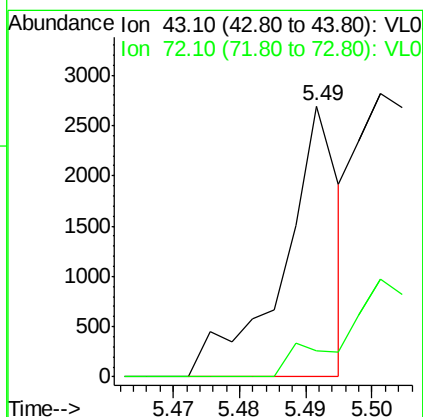
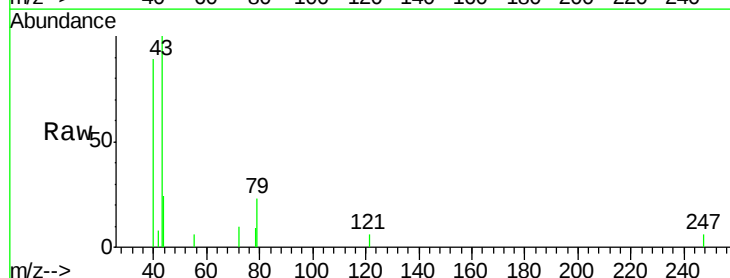
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

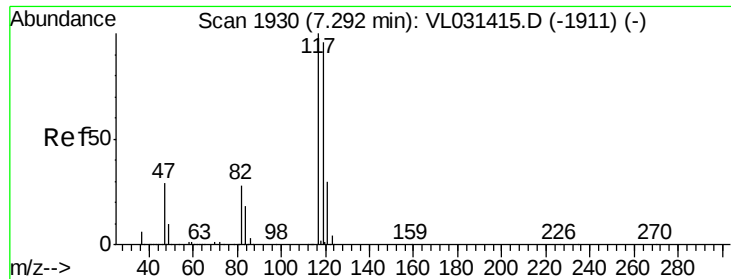
Tgt Ion: 114 Resp: 2703907
 Ion Ratio Lower Upper
 114 100
 63 28.5 22.5 33.7
 88 18.6 14.6 22.0



#34
 2-Butanone
 Concen: 0.01 ppbv
 RT: 5.49 min Scan# 1370
 Delta R.T. 0.02 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Tgt Ion: 43 Resp: 1570
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.8 25.2#

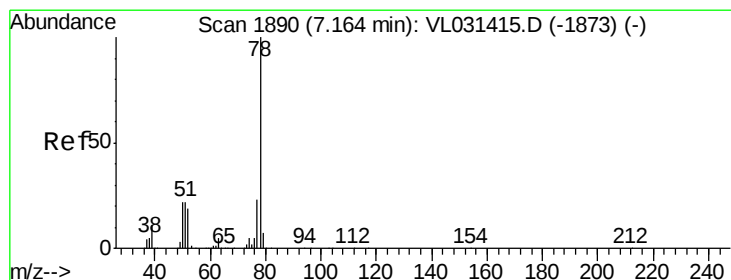
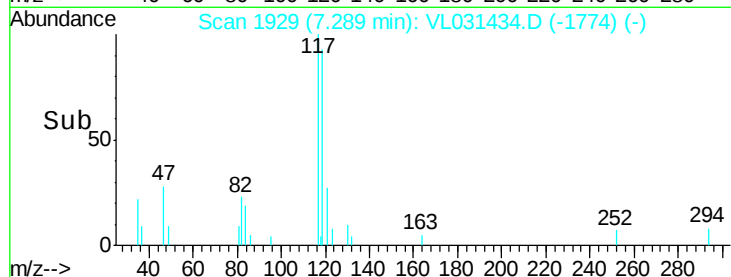
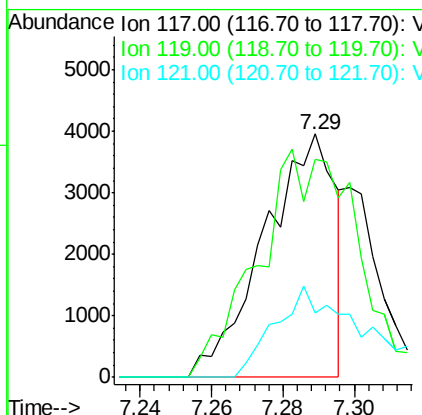
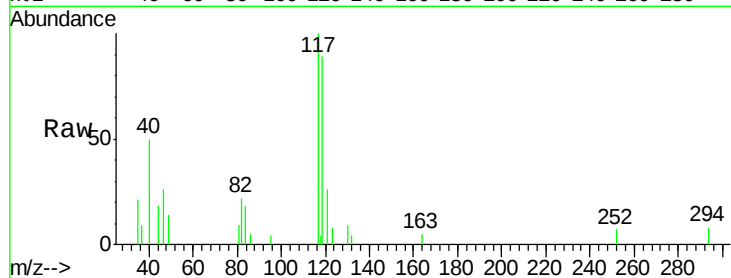




#35
Carbon Tetrachloride
Concen: 0.02 ppbv
RT: 7.29 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

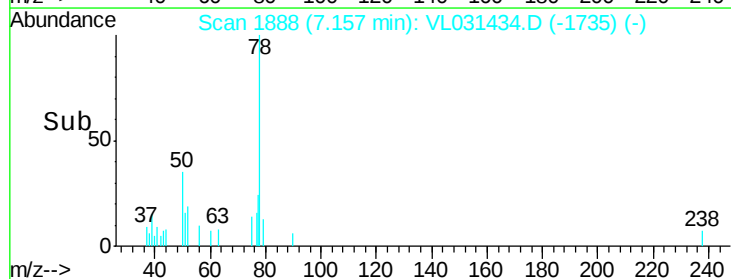
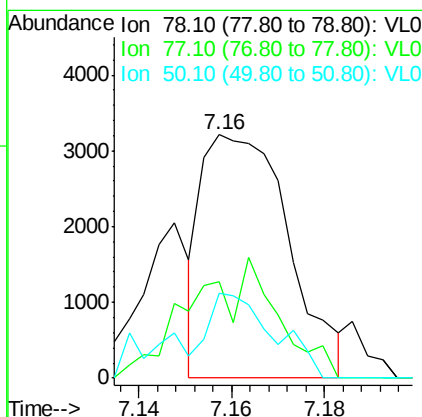
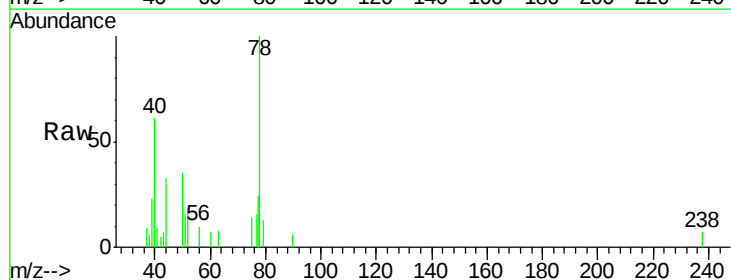
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

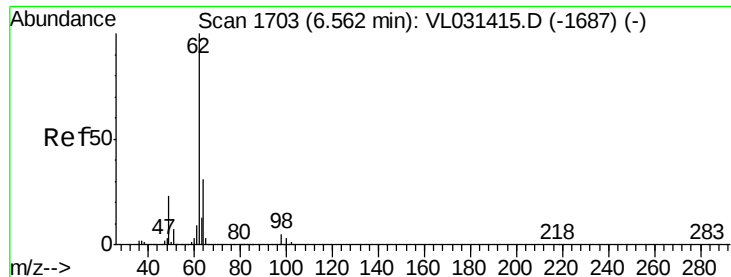
Tgt Ion: 117 Resp: 5436
Ion Ratio Lower Upper
117 100
119 86.0 74.2 111.4
121 25.4 24.2 36.4



#36
Benzene
Concen: 0.02 ppbv
RT: 7.16 min Scan# 1888
Delta R.T. -0.01 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

Tgt Ion: 78 Resp: 4176
Ion Ratio Lower Upper
78 100
77 48.9 18.7 28.1#
50 42.7 18.4 27.6#

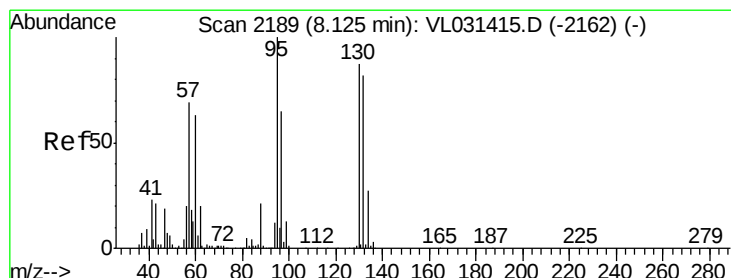
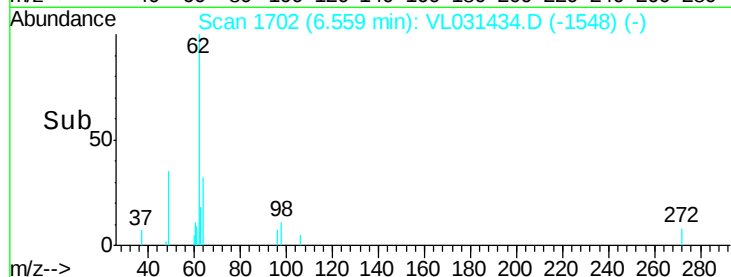
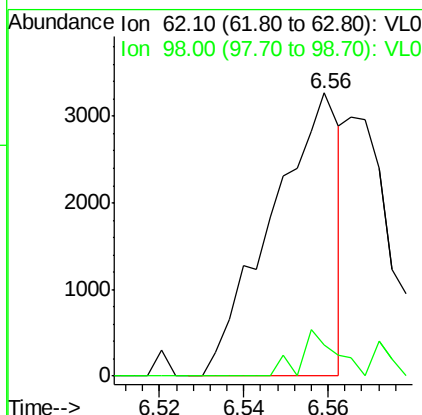
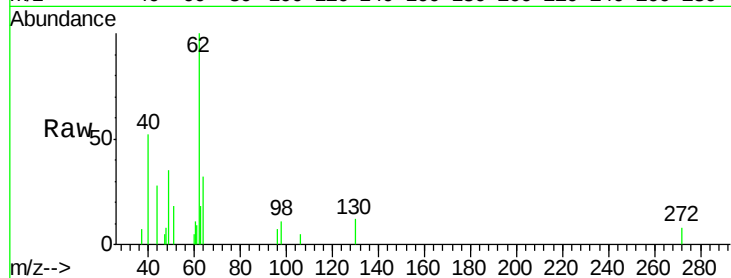




#37
 1,2-Dichloroethane
 Concen: 0.02 ppbv
 RT: 6.56 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

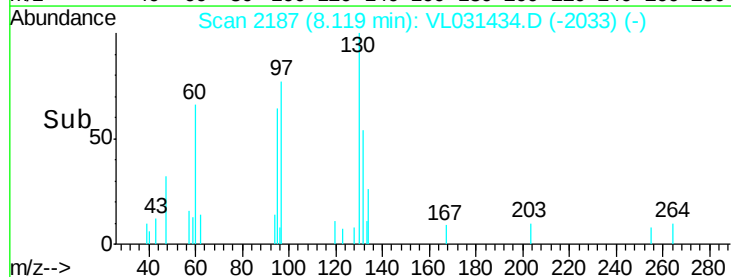
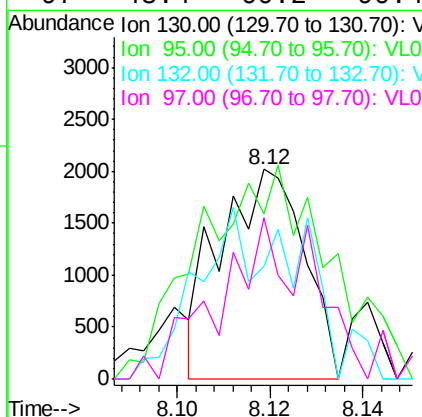
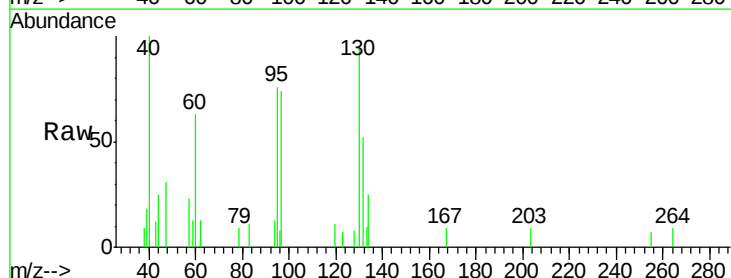
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

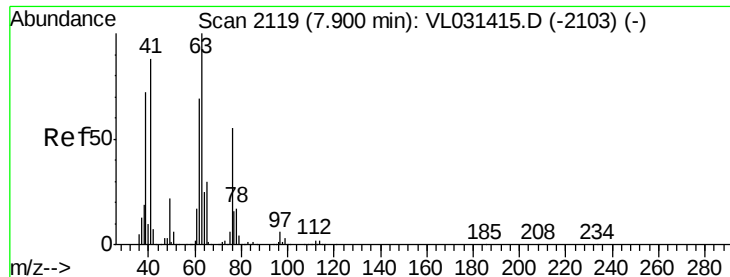
Tgt Ion: 62 Resp: 3658
 Ion Ratio Lower Upper
 62 100
 98 12.4 4.1 6.1#



#38
 Trichloroethene
 Concen: 0.03 ppbv
 RT: 8.12 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Tgt Ion: 130 Resp: 2539
 Ion Ratio Lower Upper
 130 100
 95 28.6 92.9 139.3#
 132 53.8 74.9 112.3#
 97 48.4 60.2 90.4#





#39

1,2-Dichloropropane

Concen: 8.44 ppbv

RT: 7.44 min Scan# 1977

Delta R.T. -0.45 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

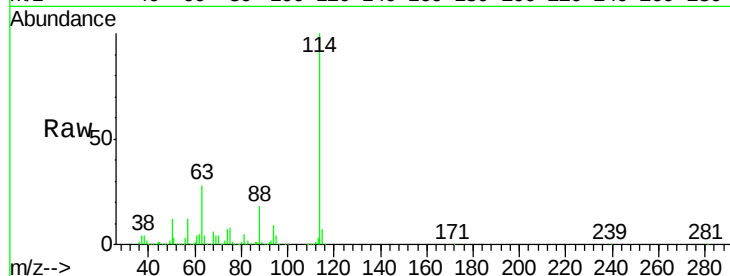
Tgt Ion: 63 Resp: 761495

Ion Ratio Lower Upper

63 100

41 0.0 67.6 101.4#

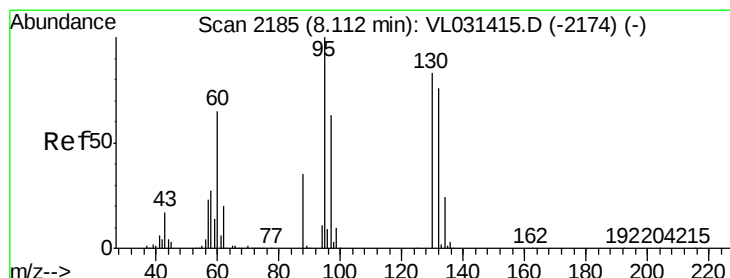
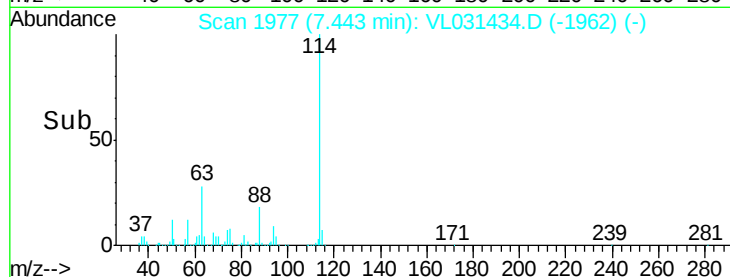
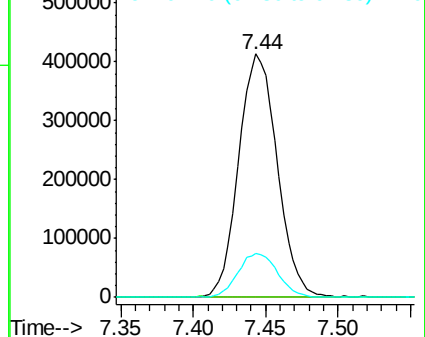
62 18.1 51.8 77.6#



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: 8.03 min Scan# 2160

Delta R.T. -0.08 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Tgt Ion: 88 Resp: 80

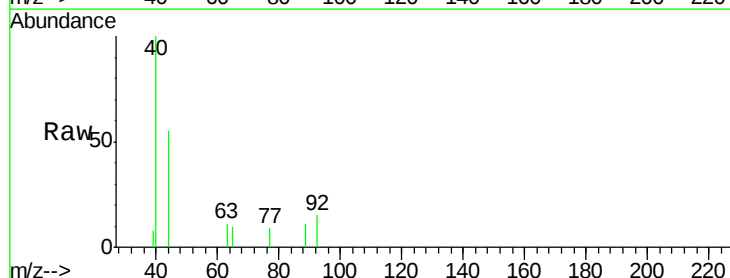
Ion Ratio Lower Upper

88 100

58 147.5 98.2 147.2#

43 0.0 197.3 295.9#

57 411.3 806.0 1209.0#

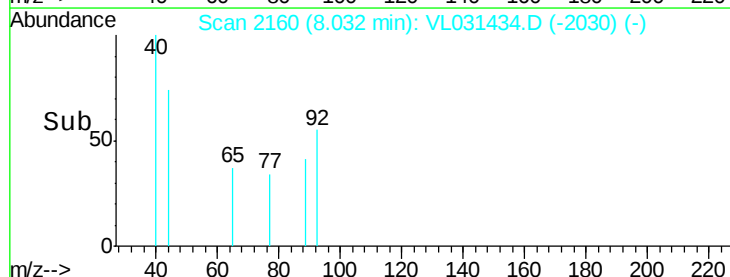
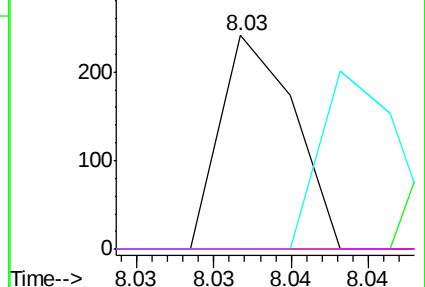


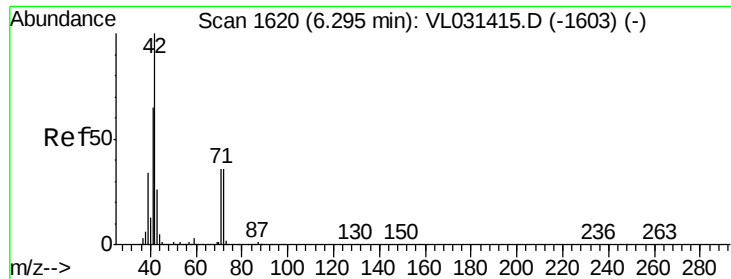
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

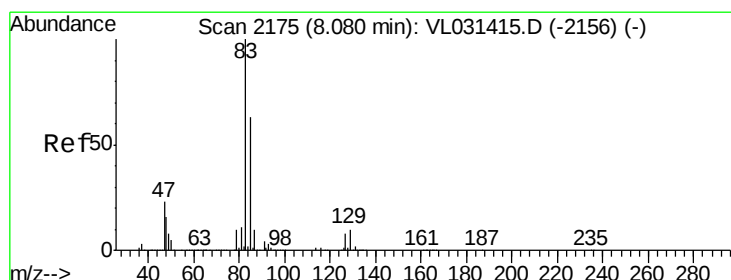
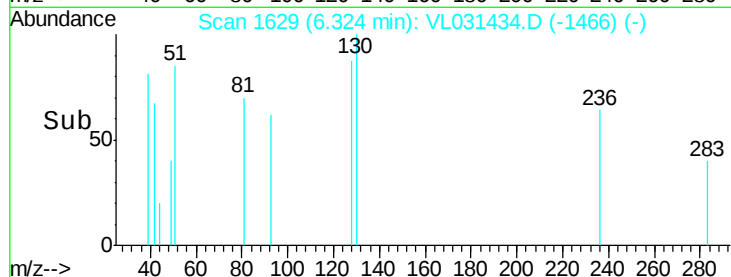
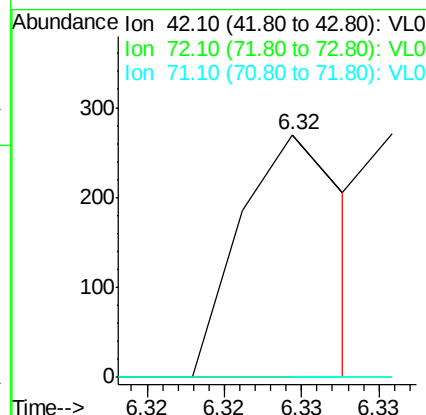
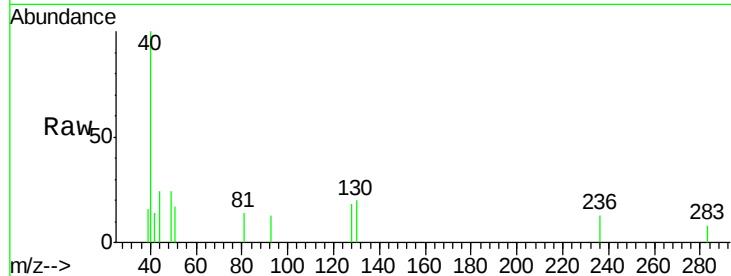




#41
Tetrahydrofuran
Concen: 0.00 ppbv
RT: 6.32 min Scan# 1629
Delta R.T. 0.03 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

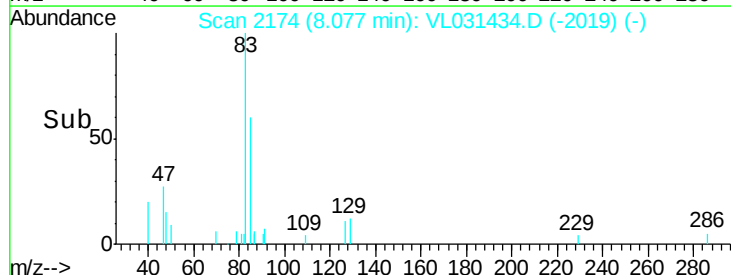
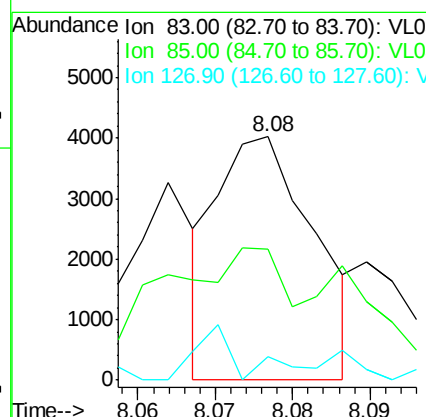
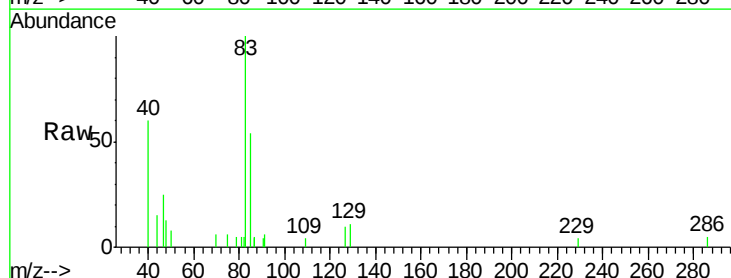
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

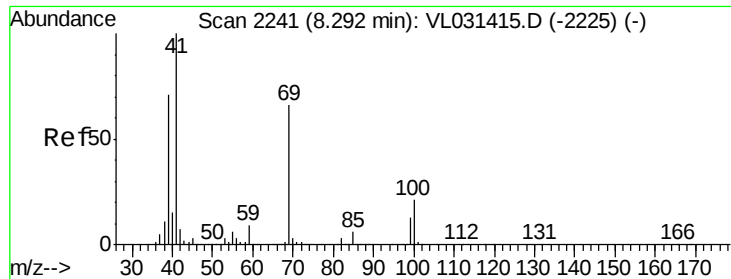
Tgt Ion: 42 Resp: 128
Ion Ratio Lower Upper
42 100
72 0.0 30.4 45.6#
71 0.0 29.2 43.8#



#42
Bromodichloromethane
Concen: 0.02 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

Tgt Ion: 83 Resp: 3492
Ion Ratio Lower Upper
83 100
85 22.2 52.1 78.1#
127 0.0 6.6 10.0#

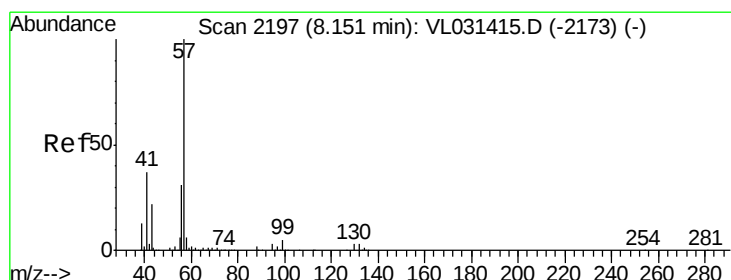
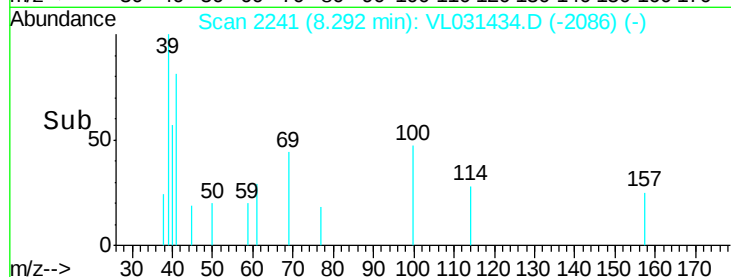
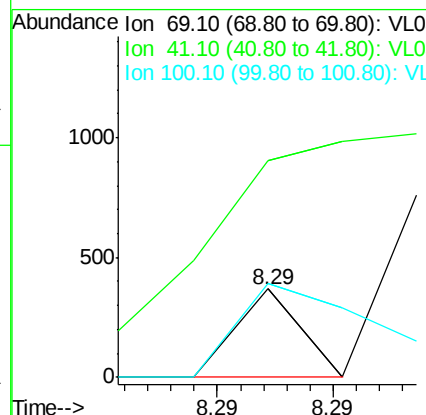
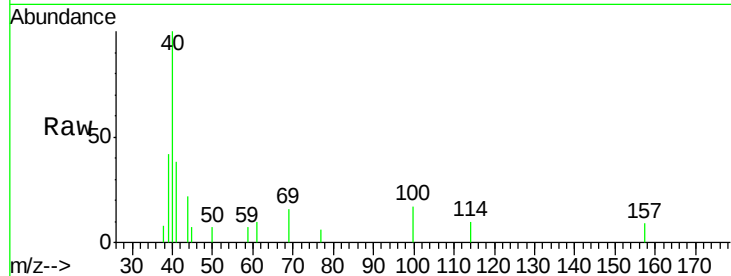




#43
Methyl Methacrylate
Concen: 0.00 ppbv
RT: 8.29 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

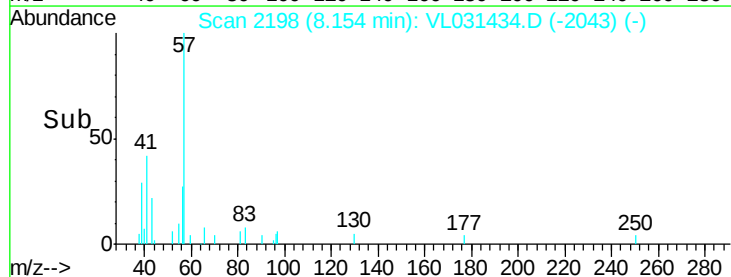
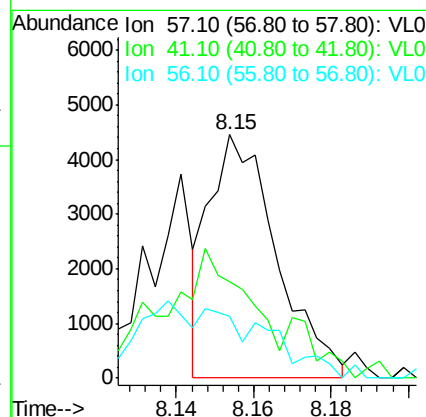
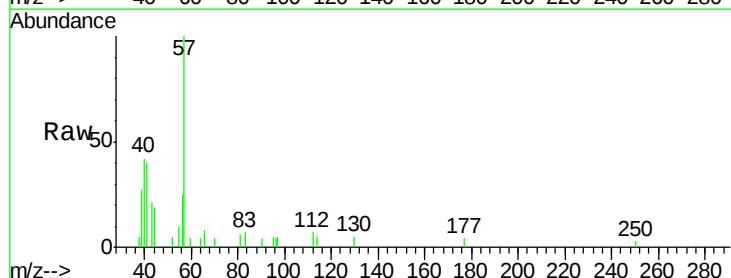
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

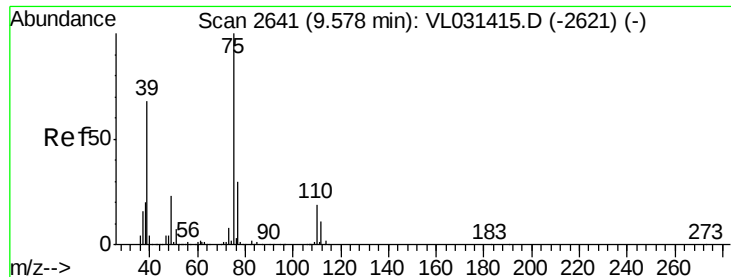
Tgt Ion: 69 Resp: 71
Ion Ratio Lower Upper
69 100
41 0.0 127.0 190.6#
100 0.0 24.6 37.0#



#44
2,2,4-Trimethylpentane
Concen: 0.01 ppbv
RT: 8.15 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

Tgt Ion: 57 Resp: 5393
Ion Ratio Lower Upper
57 100
41 81.7 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# 2642

Delta R.T. -0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

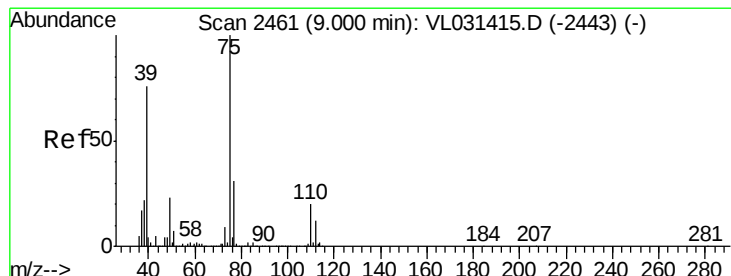
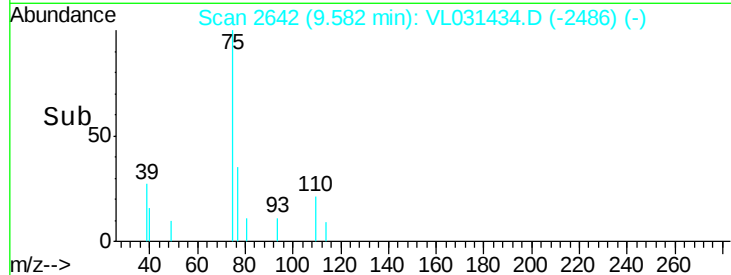
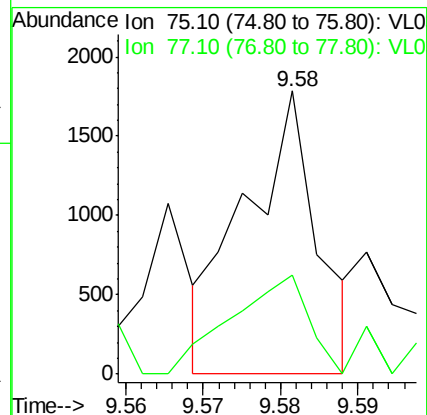
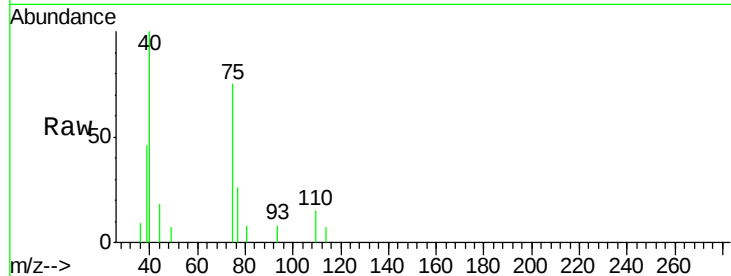
MDL-AIR-2

Tgt Ion: 75 Resp: 1165

Ion Ratio Lower Upper

75 100

77 34.9 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 0.00 ppbv

RT: 8.97 min Scan# 2453

Delta R.T. -0.03 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

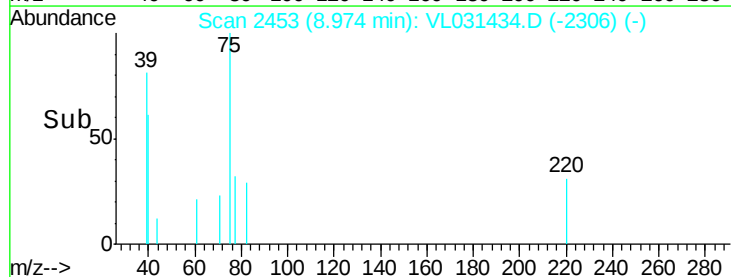
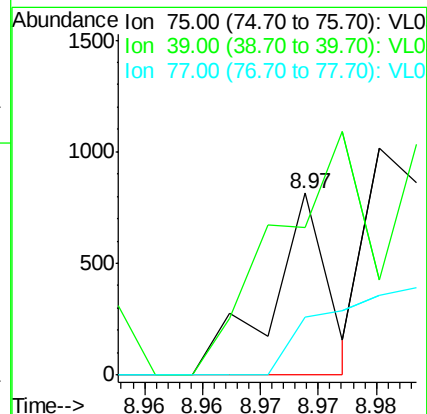
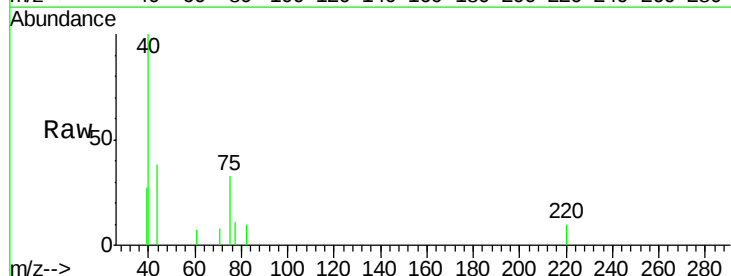
Tgt Ion: 75 Resp: 275

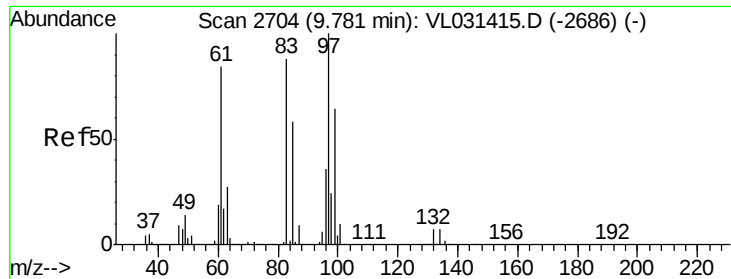
Ion Ratio Lower Upper

75 100

39 81.1 59.4 89.0

77 32.1 25.0 37.4

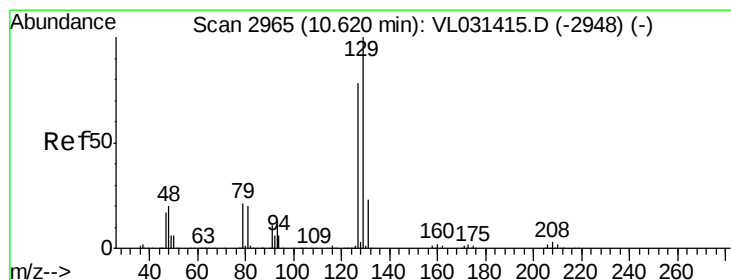
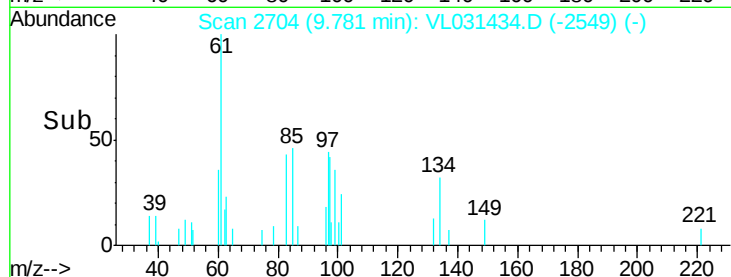
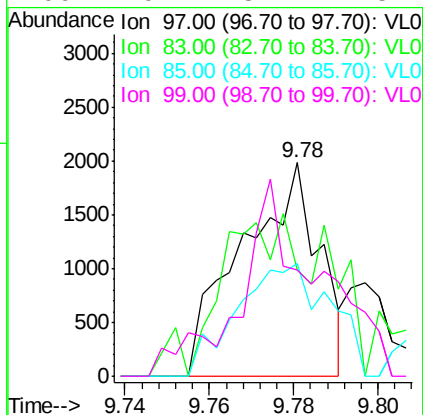
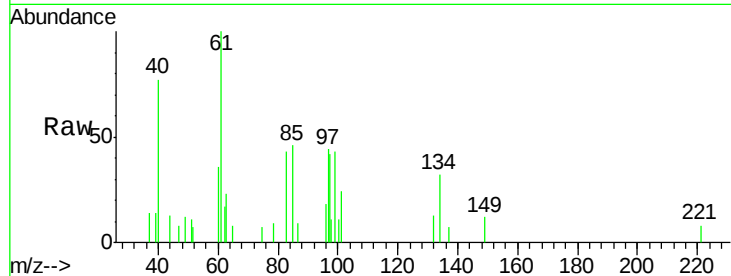




#47
 1,1,2-Trichloroethane
 Concen: 0.02 ppbv
 RT: 9.78 min Scan# 2704
 Delta R.T. -0.00 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

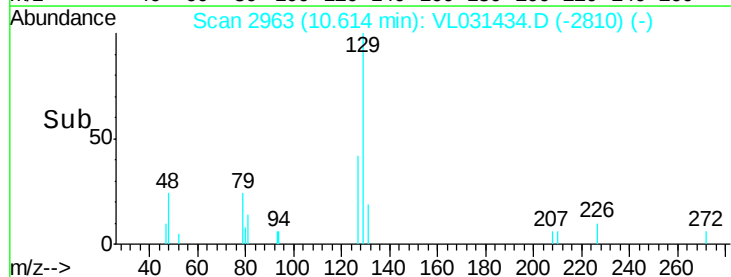
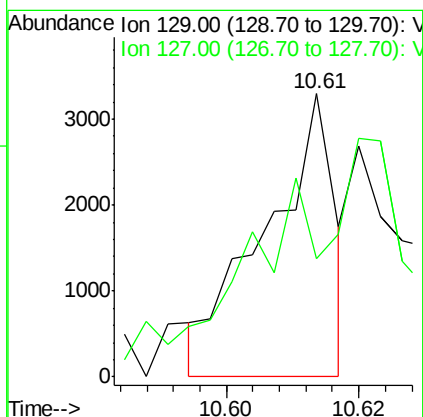
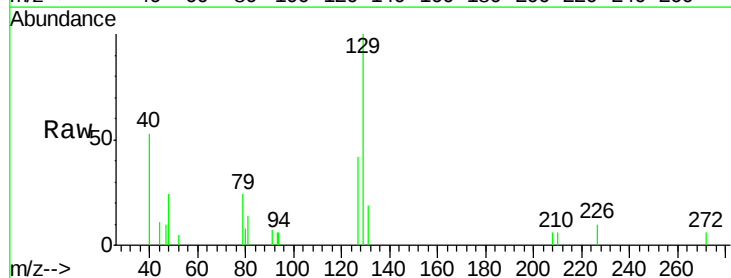
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

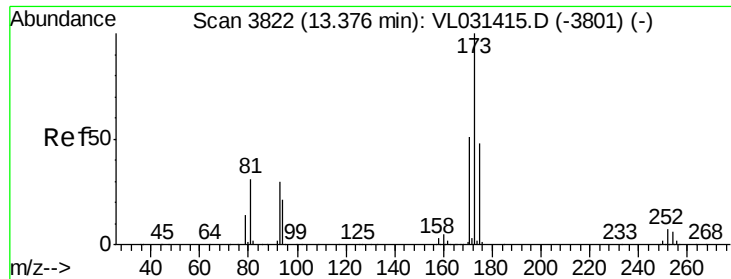
Tgt Ion: 97 Resp: 2517
 Ion Ratio Lower Upper
 97 100
 83 49.7 71.4 107.2#
 85 52.8 46.2 69.2
 99 29.1 52.2 78.2#



#48
 Dibromochloromethane
 Concen: 0.01 ppbv
 RT: 10.61 min Scan# 2963
 Delta R.T. -0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Tgt Ion: 129 Resp: 2387
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.4 118.1#





#49

Bromoform

Concen: 0.01 ppbv

RT: 13.37 min Scan# 3821

Delta R.T. -0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

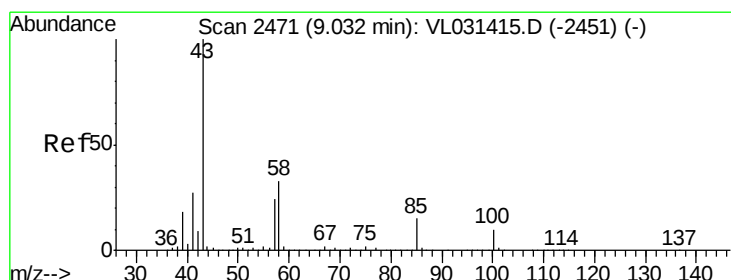
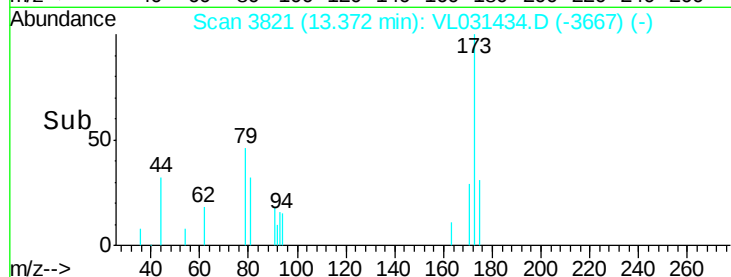
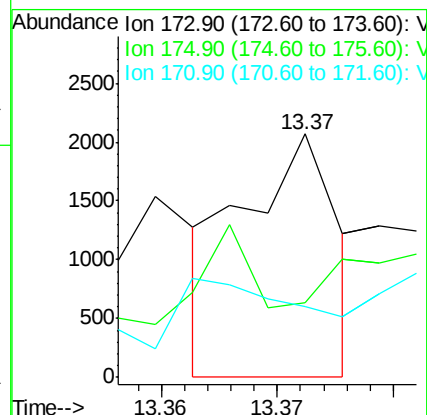
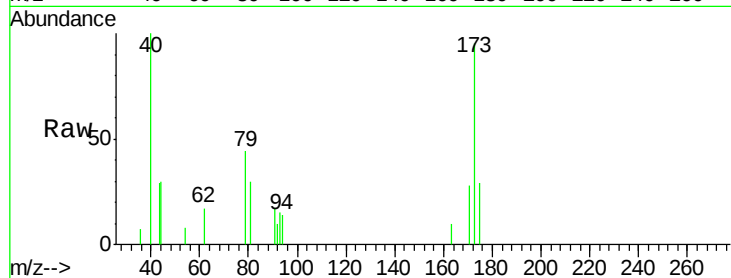
Tgt Ion:173 Resp: 1188

Ion Ratio Lower Upper

173 100

175 167.6 39.0 58.4#

171 0.0 42.0 63.0#



#50

4-Methyl-2-Pentanone

Concen: 0.00 ppbv

RT: 9.06 min Scan# 2480

Delta R.T. 0.03 min

Lab File: VL031434.D

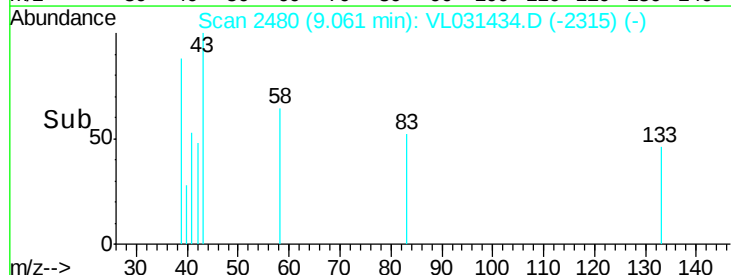
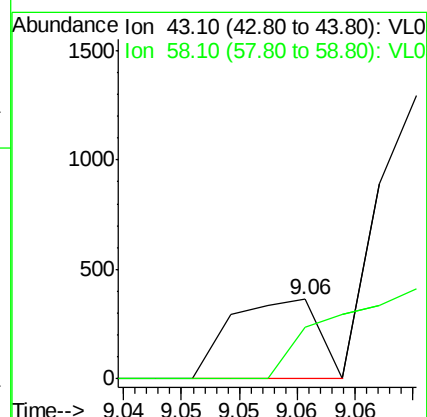
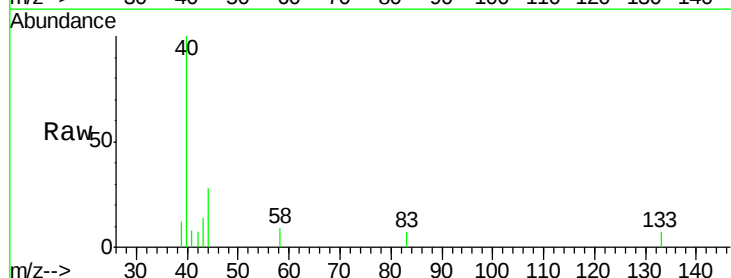
Acq: 23 Jan 2018 2:40

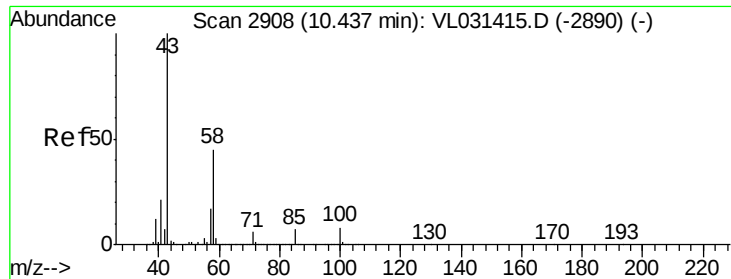
Tgt Ion: 43 Resp: 191

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#





#51

2-Hexanone

Concen: 0.00 ppbv

RT: 10.44 min Scan# 2910

Delta R.T. 0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

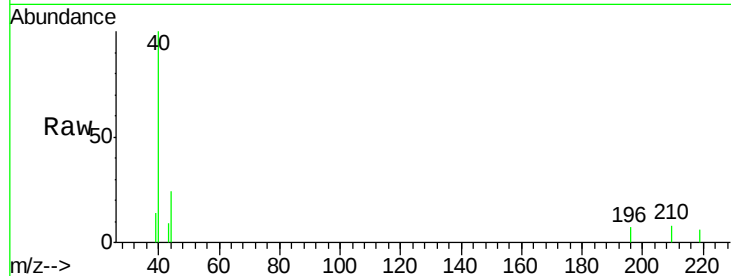
Tgt Ion: 43 Resp: 45

Ion Ratio Lower Upper

43 100

58 0.0 36.2 54.4#

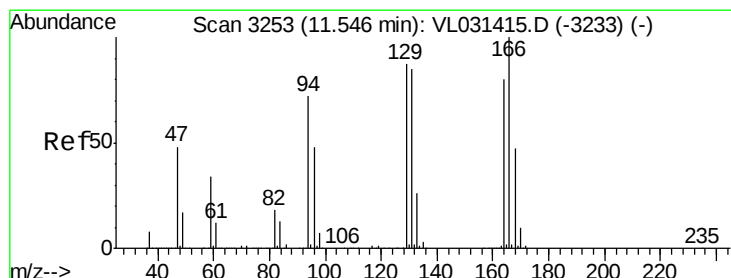
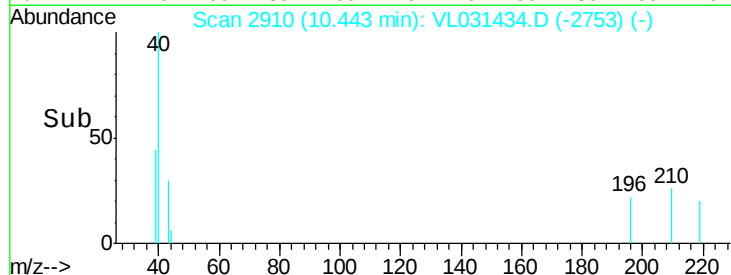
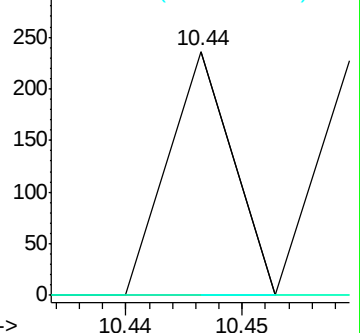
98 0.0 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.02 ppbv

RT: 11.54 min Scan# 3251

Delta R.T. -0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Tgt Ion: 164 Resp: 1554

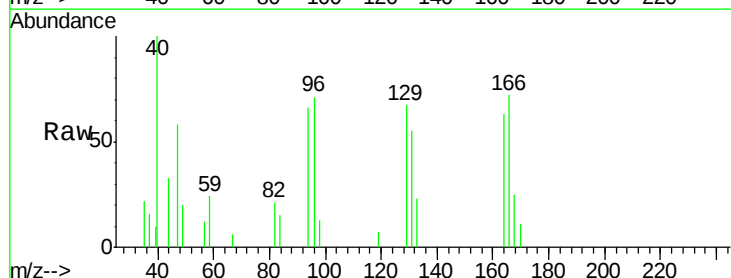
Ion Ratio Lower Upper

164 100

166 118.0 100.2 150.2

129 98.5 91.4 137.0

131 79.0 87.4 131.0#

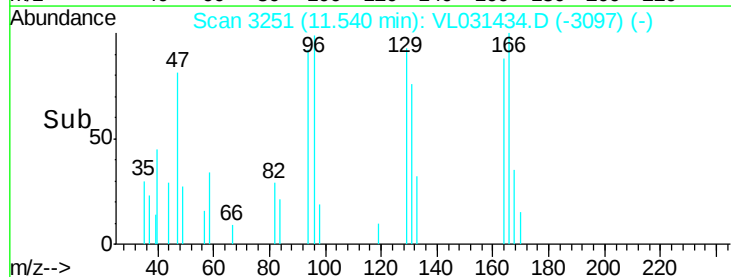
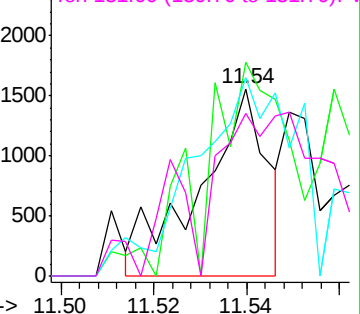


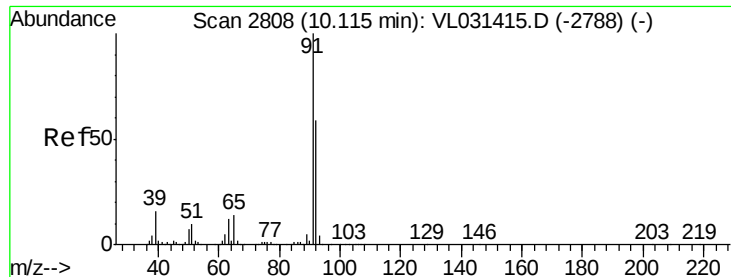
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.00 ppbv

RT: 10.11 min Scan# 2806

Delta R.T. -0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

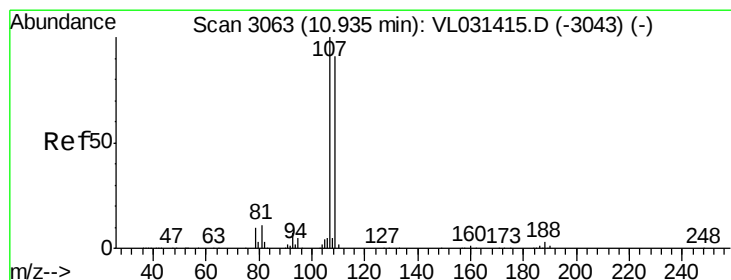
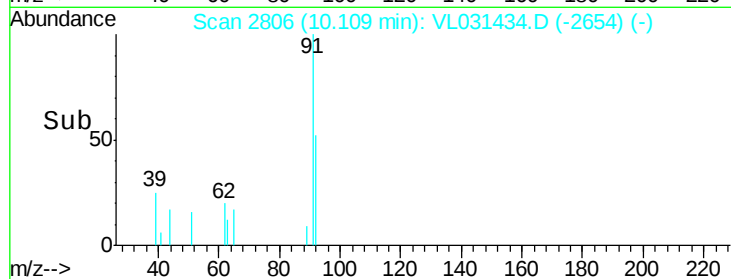
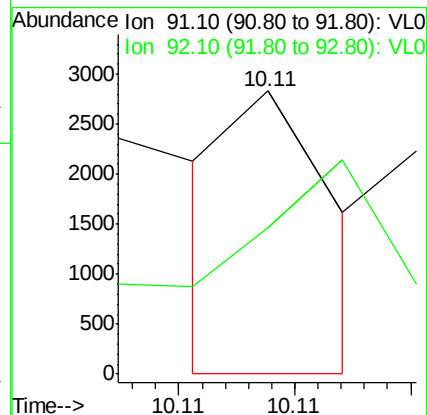
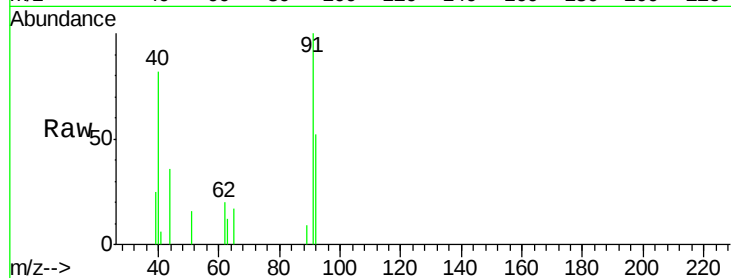
MDL-AIR-2

Tgt Ion: 91 Resp: 858

Ion Ratio Lower Upper

91 100

92 0.0 47.8 71.6#



#54

1,2-Dibromoethane

Concen: 0.01 ppbv

RT: 10.92 min Scan# 3059

Delta R.T. -0.01 min

Lab File: VL031434.D

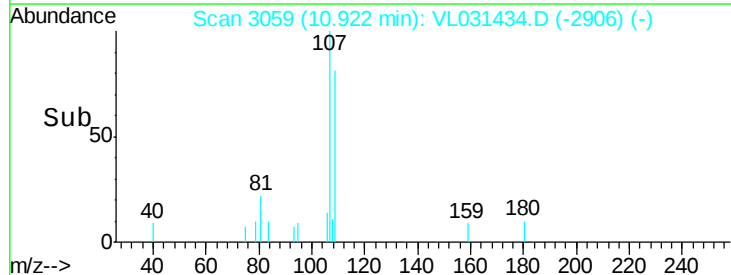
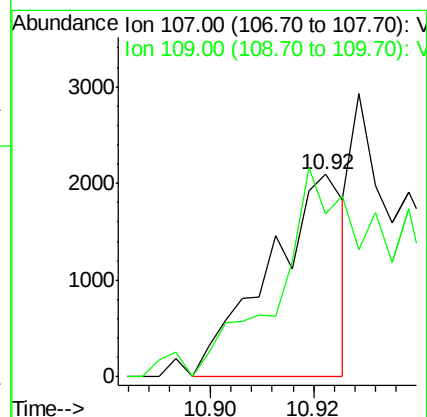
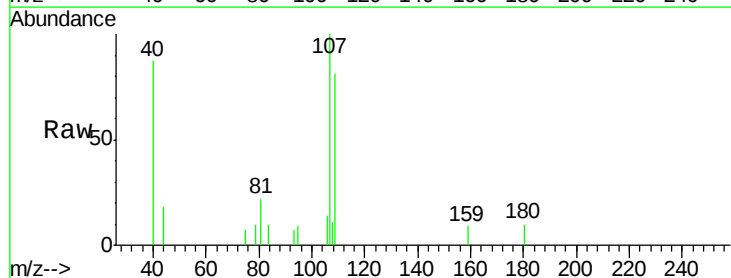
Acq: 23 Jan 2018 2:40

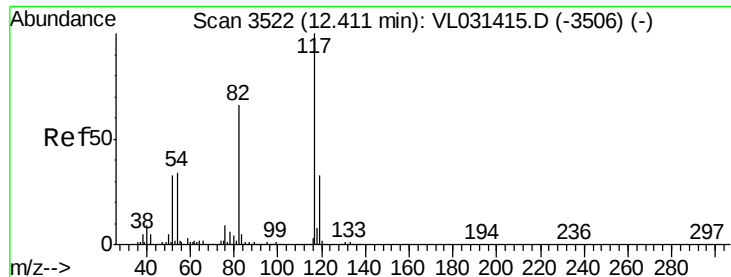
Tgt Ion: 107 Resp: 2117

Ion Ratio Lower Upper

107 100

109 80.7 75.5 113.3

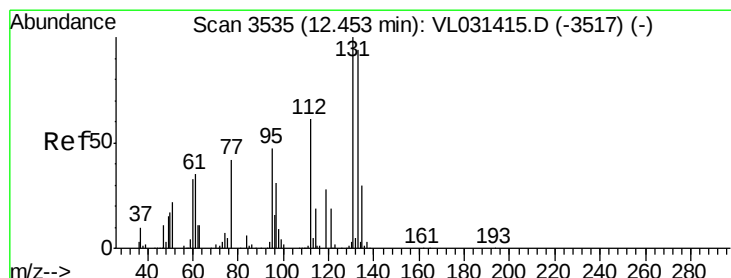
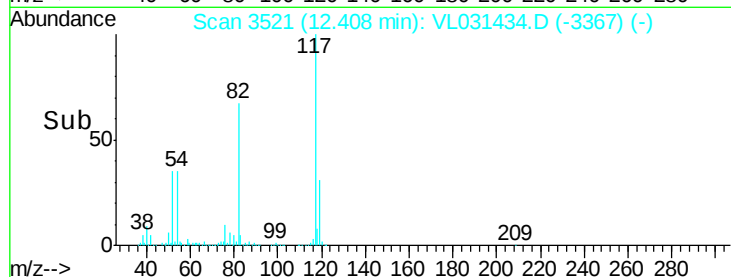
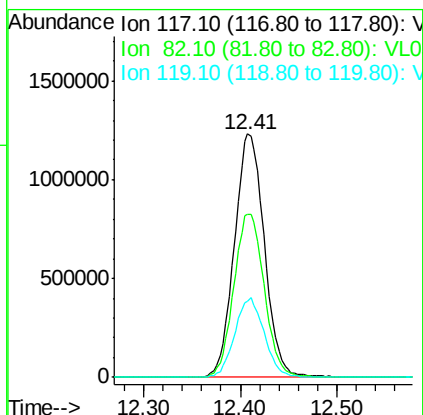
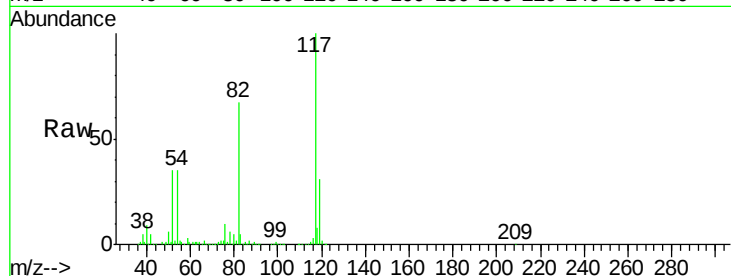




#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.41 min Scan# 3521
 Delta R.T. -0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

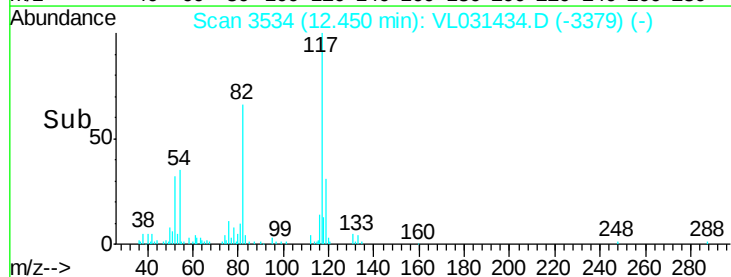
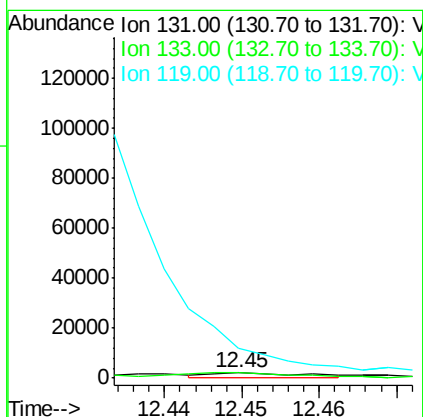
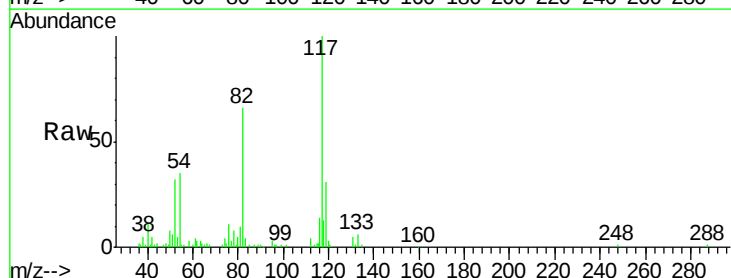
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

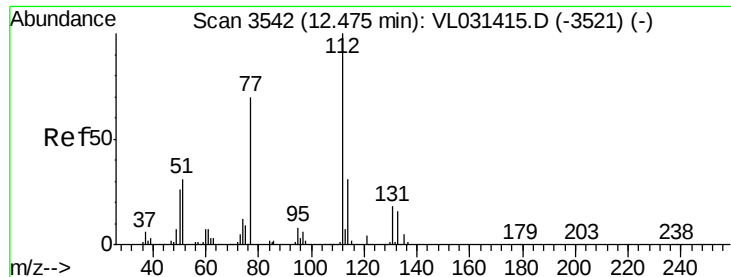
Tgt Ion:117 Resp: 2650342
 Ion Ratio Lower Upper
 117 100
 82 68.3 51.8 77.6
 119 32.3 24.2 36.2



#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.01 ppbv
 RT: 12.45 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Tgt Ion:131 Resp: 1848
 Ion Ratio Lower Upper
 131 100
 133 215.2 76.9 115.3#
 119 0.0 47.7 71.5#

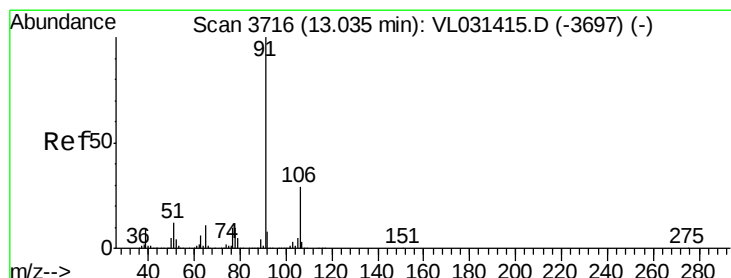
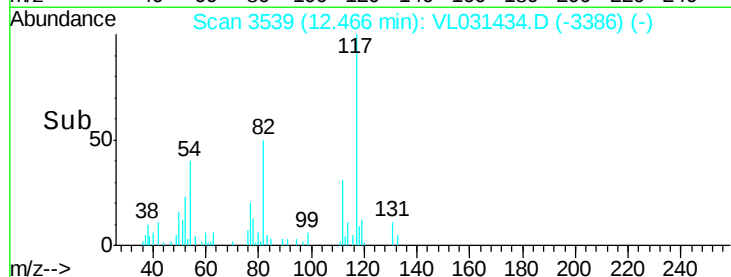
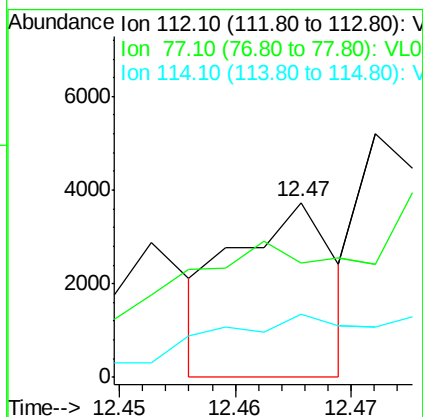
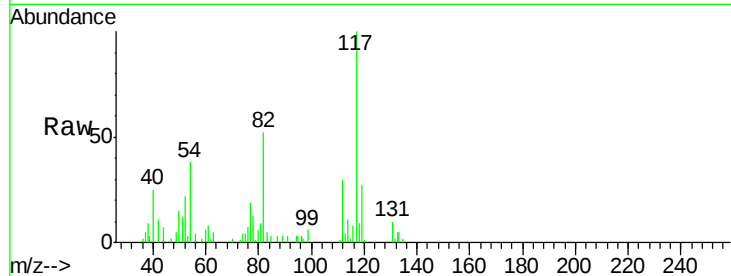




#57
Chlorobenzene
Concen: 0.01 ppbv
RT: 12.47 min Scan# 3539
Delta R.T. -0.01 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

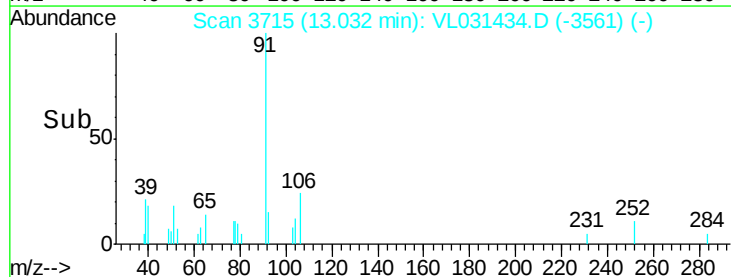
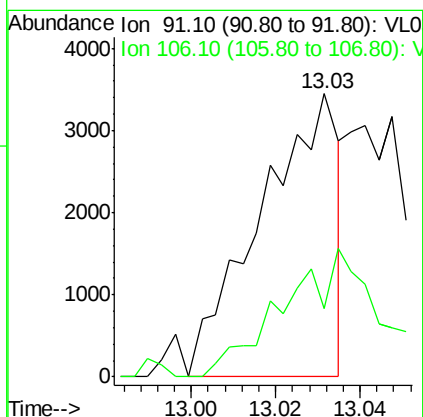
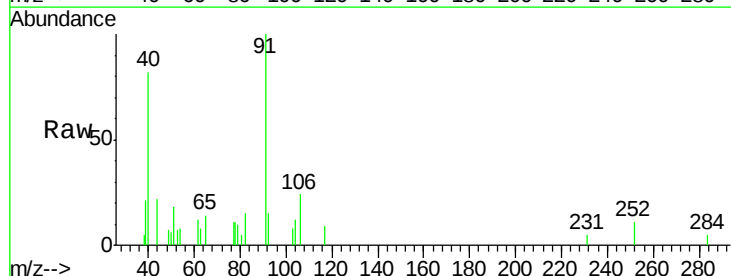
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

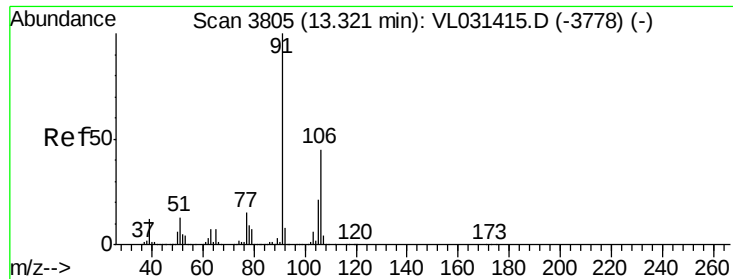
Tgt Ion: 112 Resp: 2251
Ion Ratio Lower Upper
112 100
77 10.8 56.0 84.0#
114 35.6 29.1 35.5#



#58
Ethyl Benzene
Concen: 0.01 ppbv
RT: 13.03 min Scan# 3715
Delta R.T. -0.01 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

Tgt Ion: 91 Resp: 4426
Ion Ratio Lower Upper
91 100
106 24.3 23.8 35.6

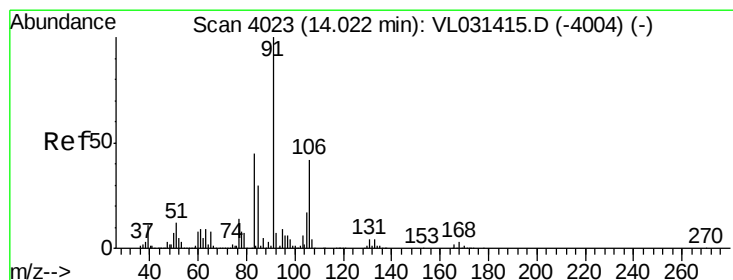
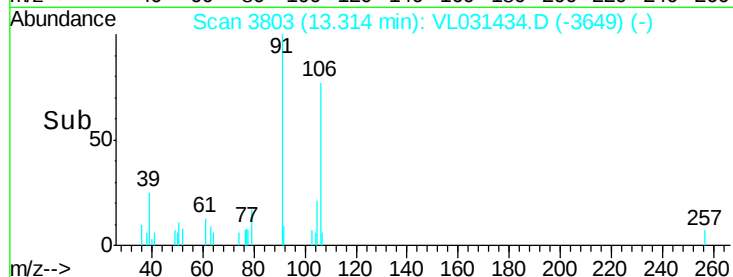
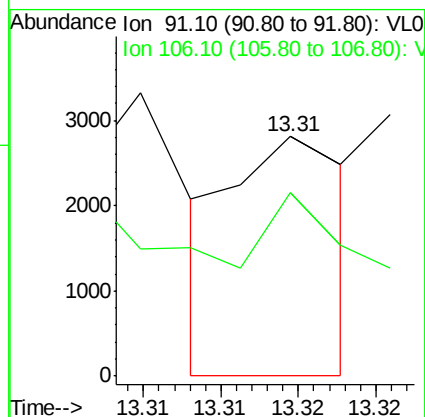
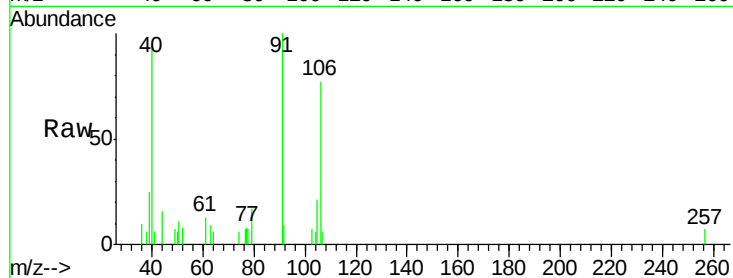




#59
m/p-Xylene
Concen: 0.00 ppbv
RT: 13.31 min Scan# 3803
Delta R.T. -0.01 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

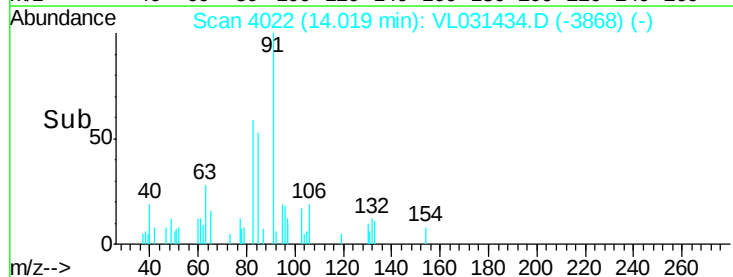
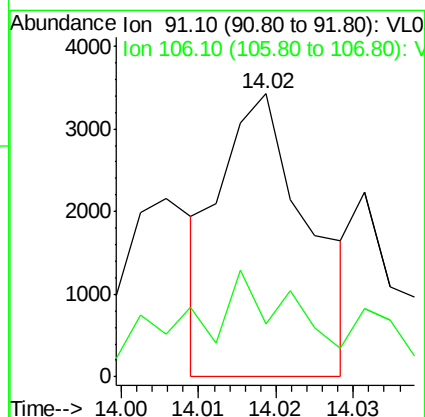
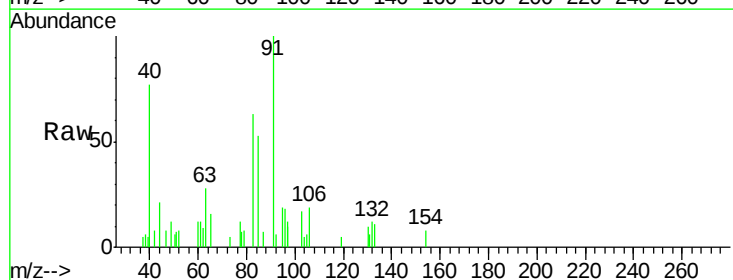
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

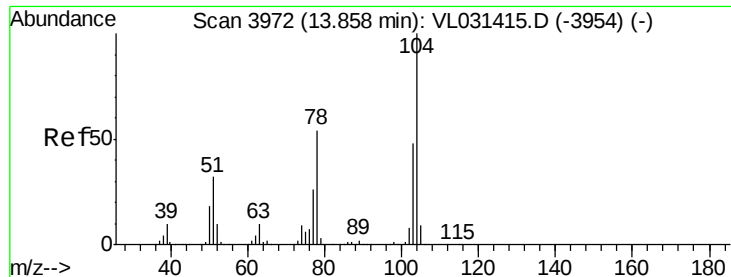
Tgt Ion: 91 Resp: 1455
Ion Ratio Lower Upper
91 100
106 406.8 35.6 53.4#



#60
o-Xylene
Concen: 0.01 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

Tgt Ion: 91 Resp: 2719
Ion Ratio Lower Upper
91 100
106 68.0 21.3 64.0#





#61

Styrene

Concen: 0.00 ppbv

RT: 13.85 min Scan# 3970

Delta R.T. -0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

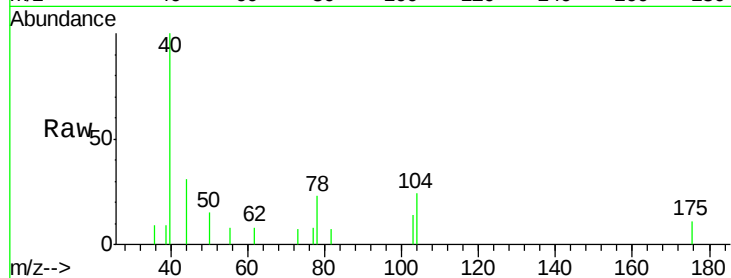
Tgt Ion:104 Resp: 161

Ion Ratio Lower Upper

104 100

78 222.4 45.4 68.0#

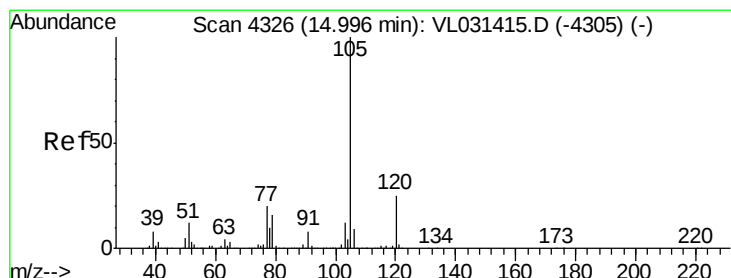
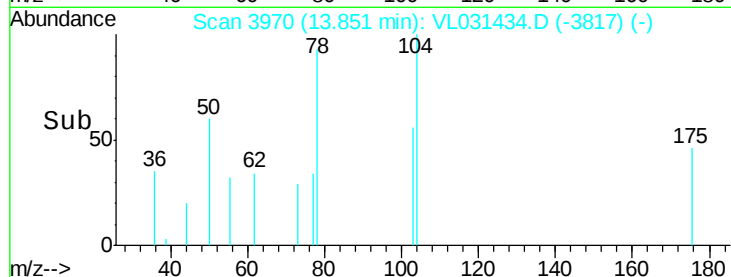
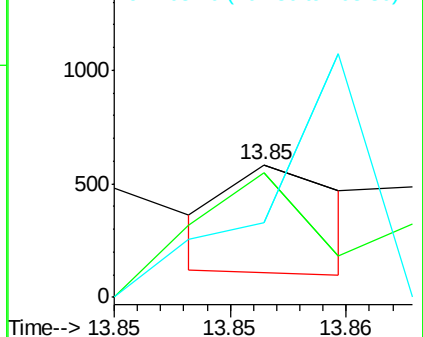
103 380.7 38.6 57.8#



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: 15.00 min Scan# 4326

Delta R.T. -0.00 min

Lab File: VL031434.D

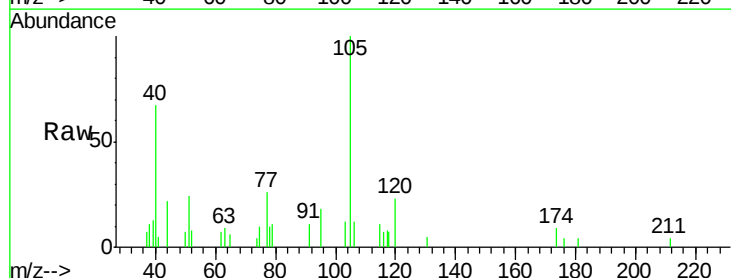
Acq: 23 Jan 2018 2:40

Tgt Ion:105 Resp: 5949

Ion Ratio Lower Upper

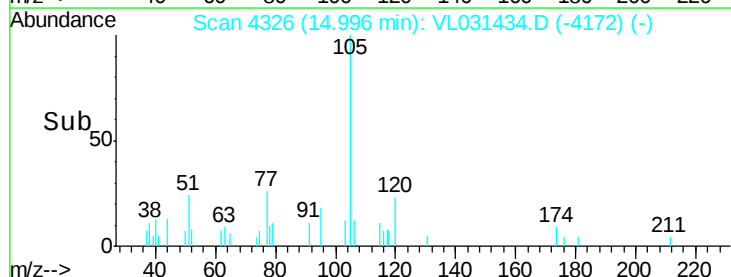
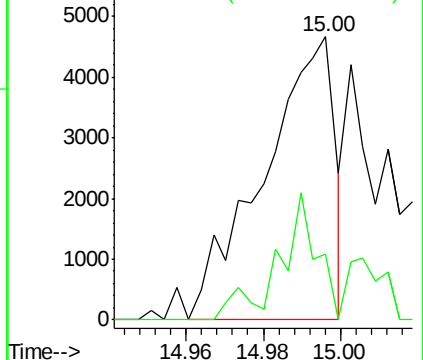
105 100

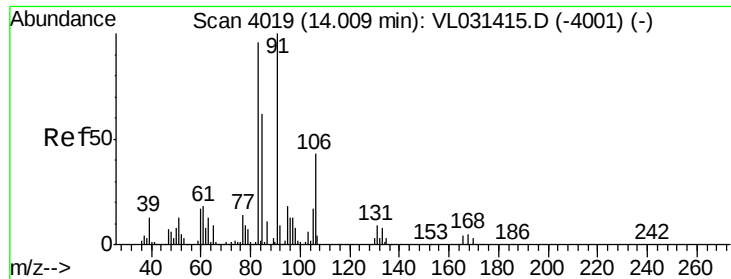
120 37.2 19.9 29.9#



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: 0.02 ppbv

RT: 14.01 min Scan# 4018

Delta R.T. -0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

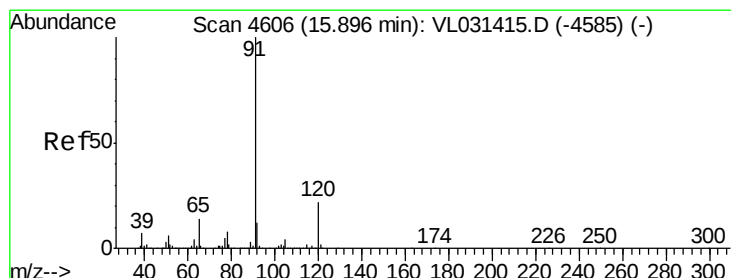
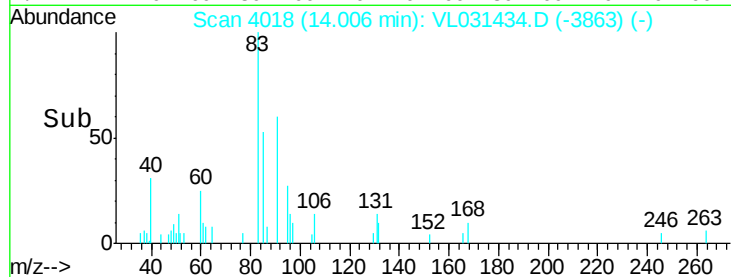
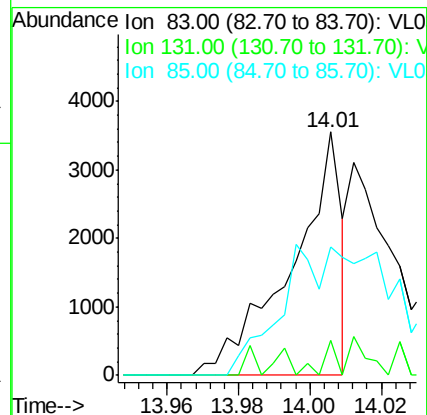
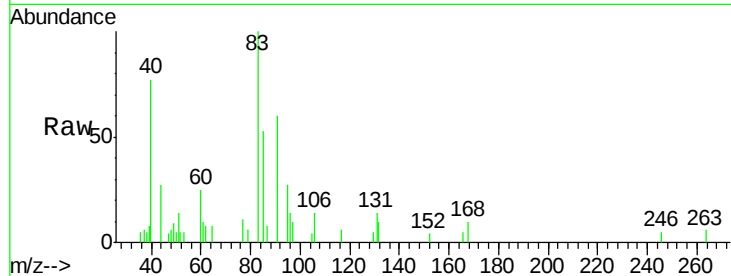
Tgt Ion: 83 Resp: 3451

Ion Ratio Lower Upper

83 100

131 6.5 4.8 14.3

85 135.3 32.4 97.0#



#64

n-propylbenzene

Concen: 0.00 ppbv

RT: 16.18 min Scan# 4694

Delta R.T. 0.28 min

Lab File: VL031434.D

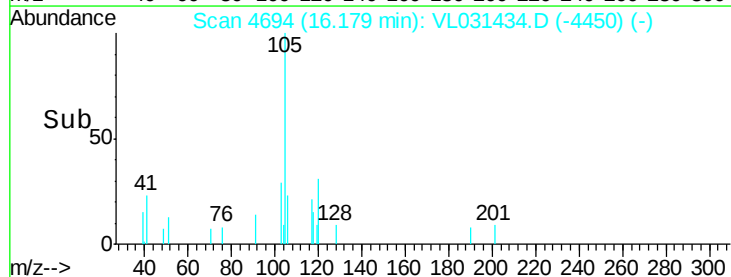
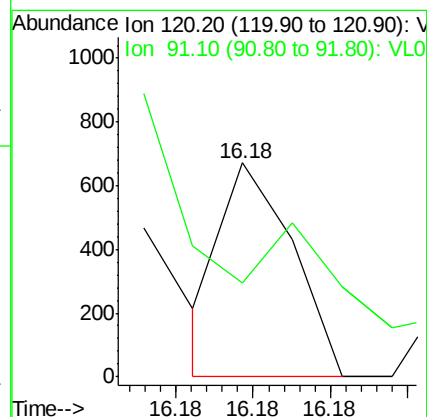
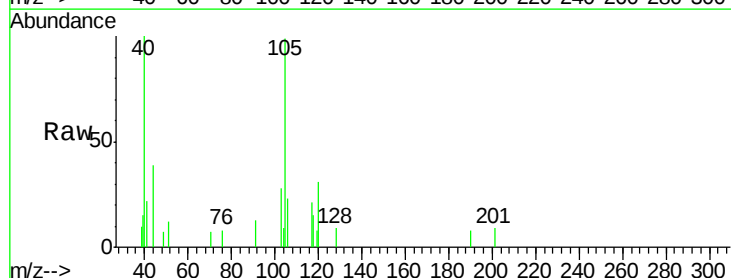
Acq: 23 Jan 2018 2:40

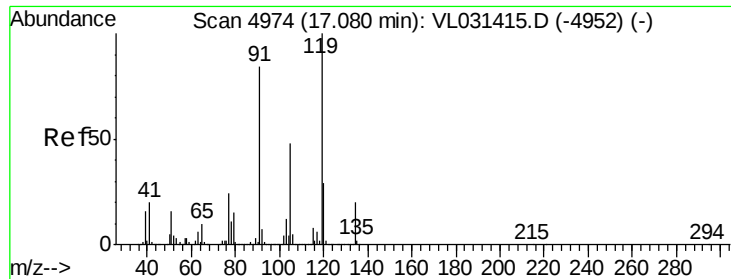
Tgt Ion:120 Resp: 213

Ion Ratio Lower Upper

120 100

91 441.8 389.8 584.6





#65

tert-Butylbenzene

Concen: 0.01 ppbv

RT: 17.08 min Scan# 4974

Delta R.T. -0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

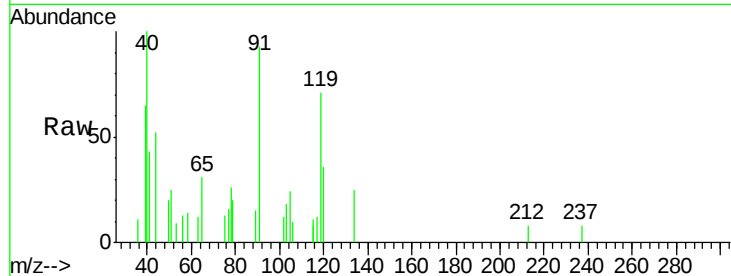
Tgt Ion: 119 Resp: 2309

Ion Ratio Lower Upper

119 100

91 278.3 69.0 103.6#

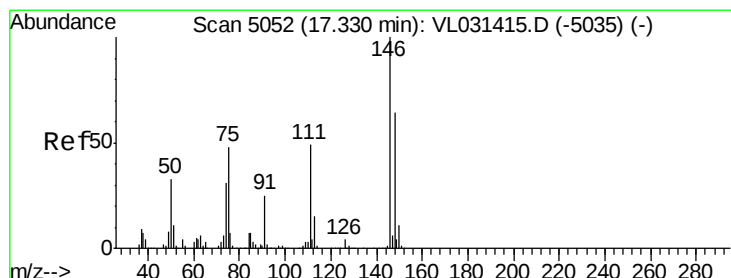
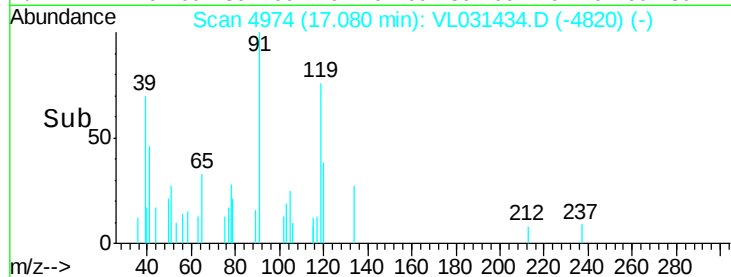
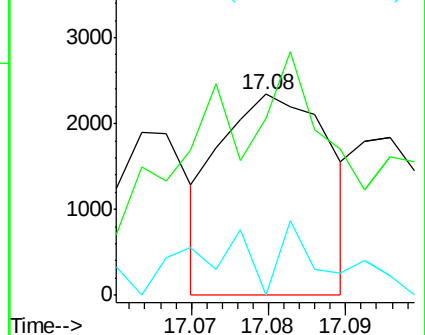
134 48.2 15.7 23.5#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.01 ppbv

RT: 17.32 min Scan# 5048

Delta R.T. -0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

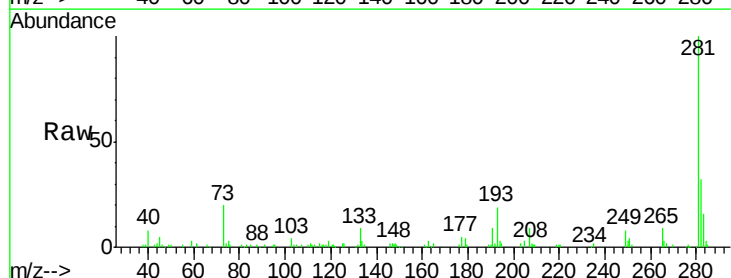
Tgt Ion: 91 Resp: 248

Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.8#

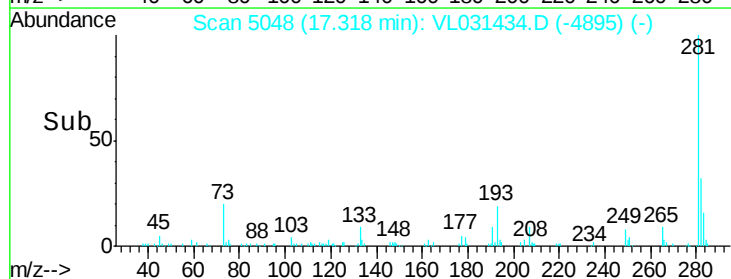
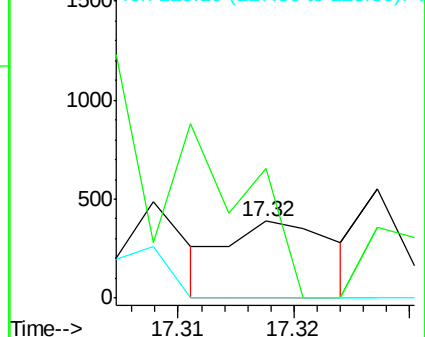
128 0.0 4.6 6.8#

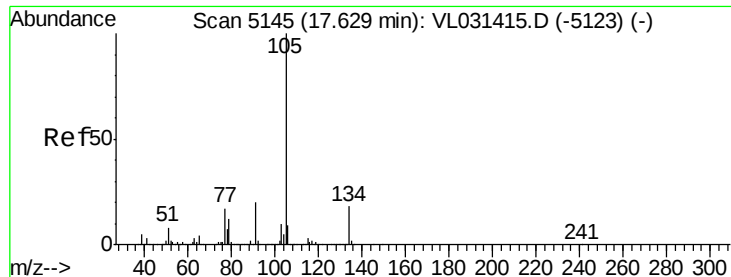


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

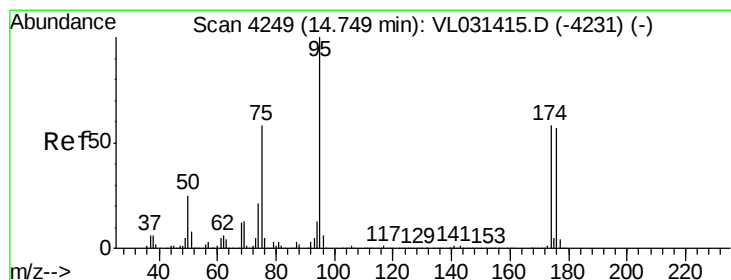
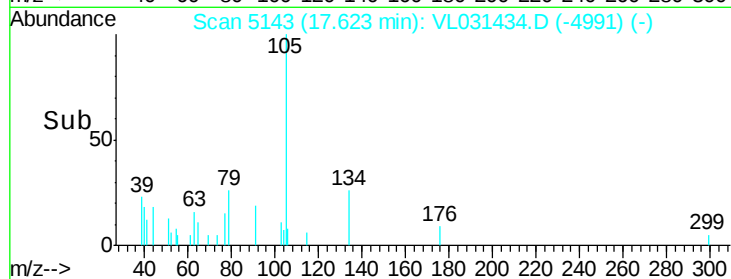
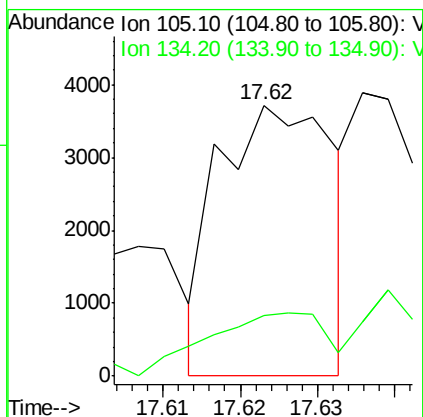
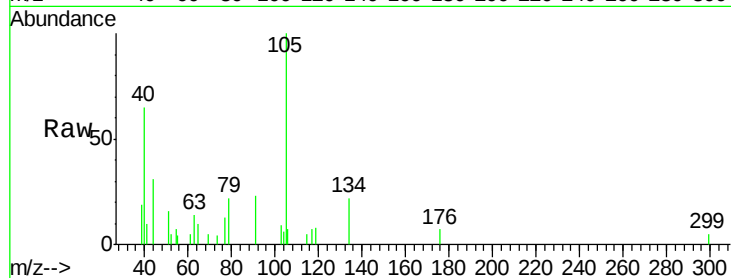




#67
 sec-Butylbenzene
 Concen: 0.01 ppbv
 RT: 17.62 min Scan# 5143
 Delta R.T. -0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

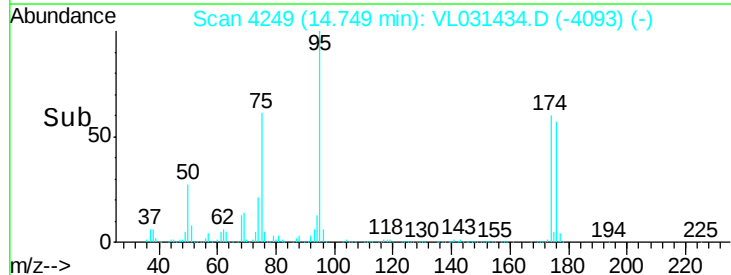
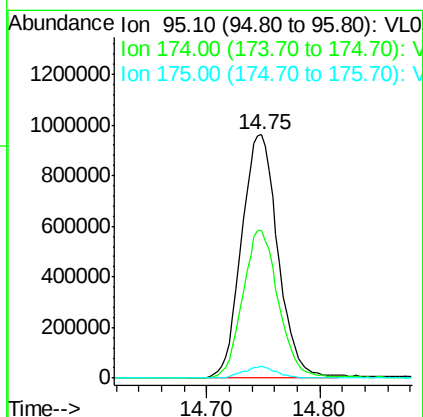
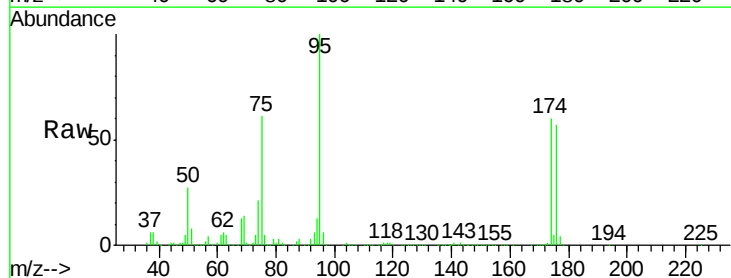
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

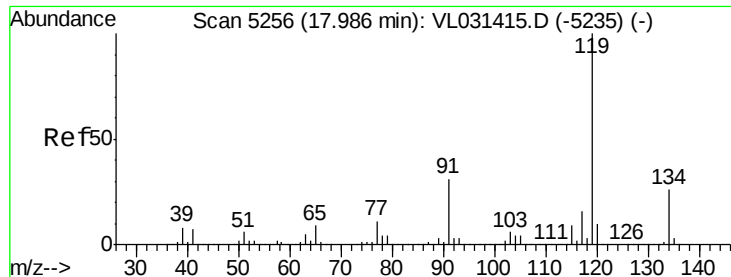
Tgt Ion: 105 Resp: 3828
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.5 21.7#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.14 ppbv
 RT: 14.75 min Scan# 4249
 Delta R.T. -0.00 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Tgt Ion: 95 Resp: 2152521
 Ion Ratio Lower Upper
 95 100
 174 60.6 48.2 72.4
 175 4.4 3.6 5.4

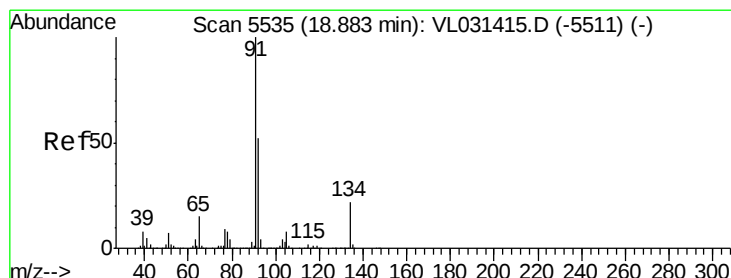
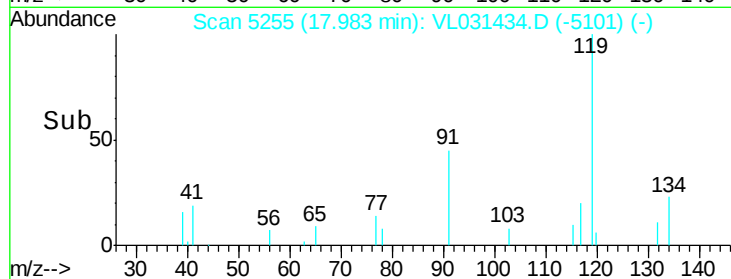
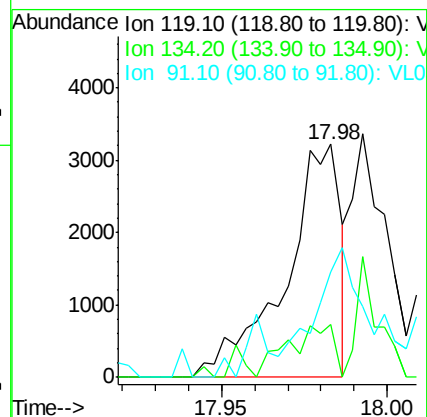
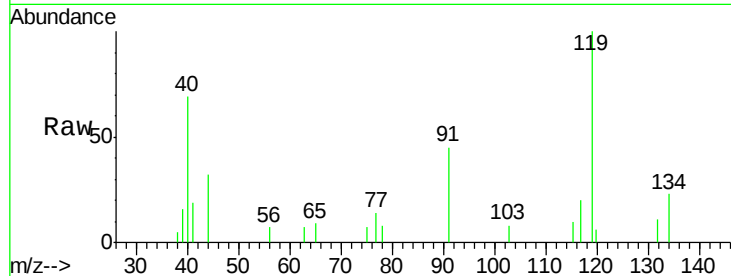




#69
 p-Isopropyltoluene
 Concen: 0.01 ppbv
 RT: 17.98 min Scan# 5255
 Delta R.T. -0.00 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

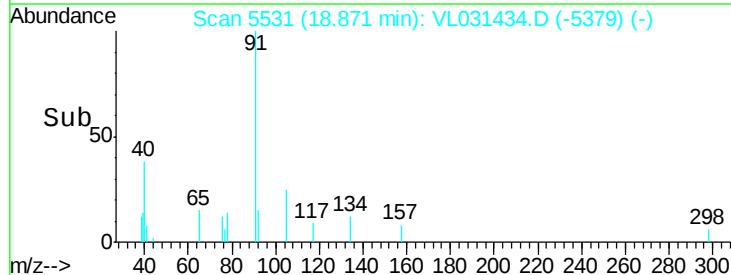
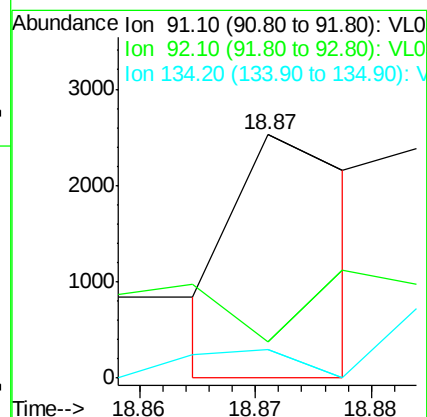
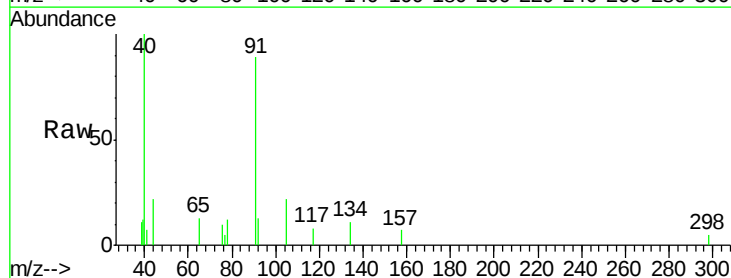
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

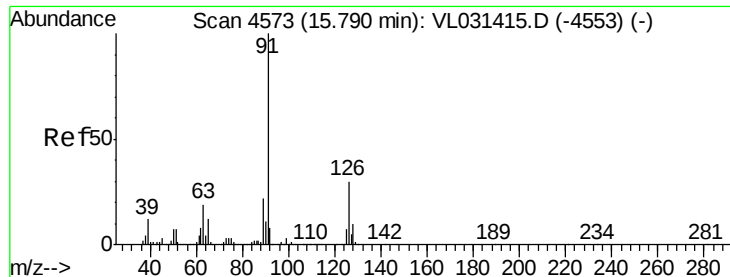
Tgt Ion: 119 Resp: 3739
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.2 30.4#
 91 76.4 25.0 37.4#



#70
 n-Butylbenzene
 Concen: 0.00 ppbv
 RT: 18.87 min Scan# 5531
 Delta R.T. -0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Tgt Ion: 91 Resp: 903
 Ion Ratio Lower Upper
 91 100
 92 0.0 42.2 63.4#
 134 0.0 17.4 26.2#





#71

2-Chlorotoluene

Concen: 0.00 ppbv

RT: 15.79 min Scan# 4573

Delta R.T. -0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

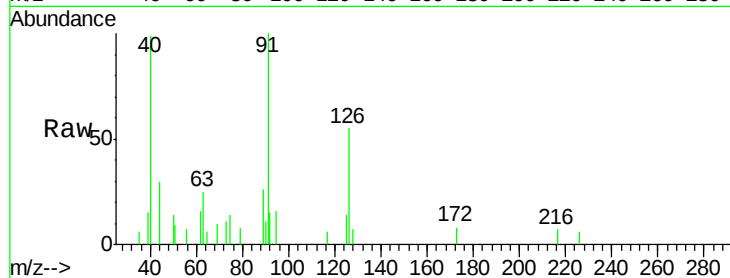
MDL-AIR-2

Tgt Ion: 91 Resp: 1312

Ion Ratio Lower Upper

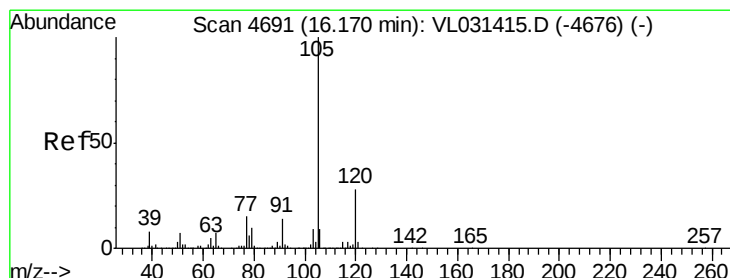
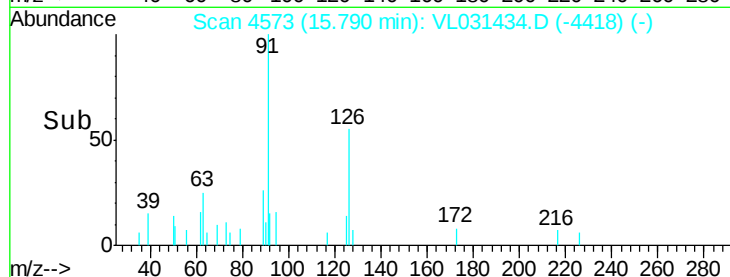
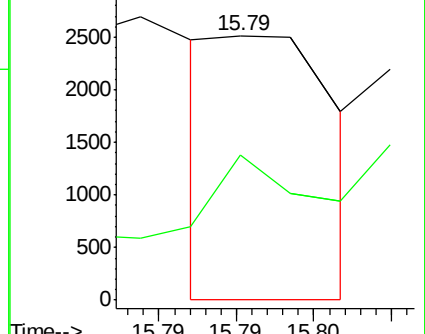
91 100

126 0.0 11.7 46.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.00 ppbv

RT: 16.17 min Scan# 4690

Delta R.T. -0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Tgt Ion: 105 Resp: 1665

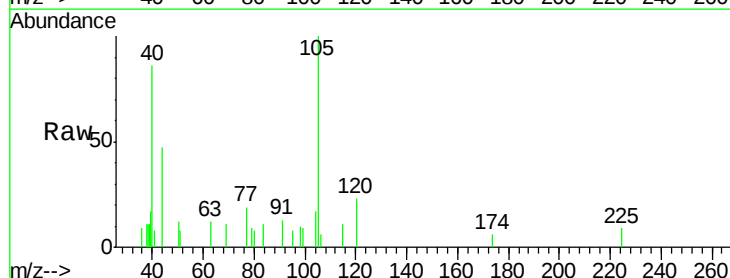
Ion Ratio Lower Upper

105 100

120 79.8 23.0 34.6#

91 0.0 11.0 16.4#

77 0.0 12.3 18.5#

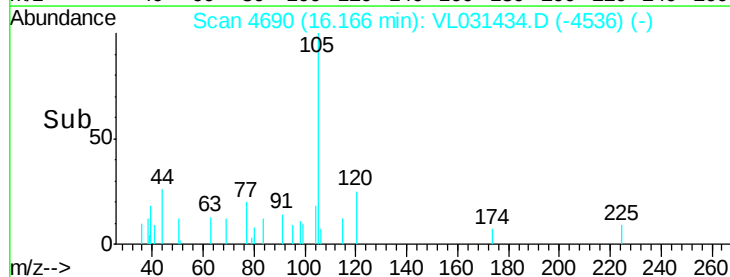
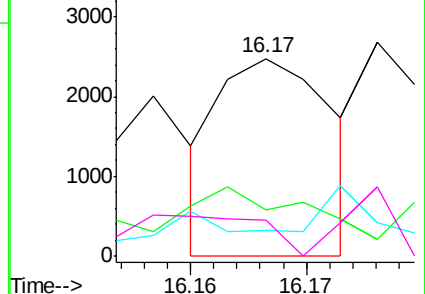


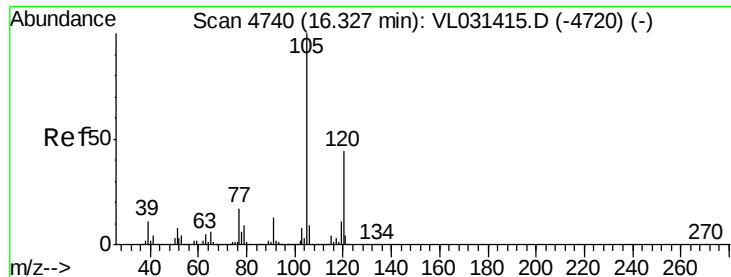
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 0.01 ppbv

RT: 16.32 min Scan# 4739

Delta R.T. -0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

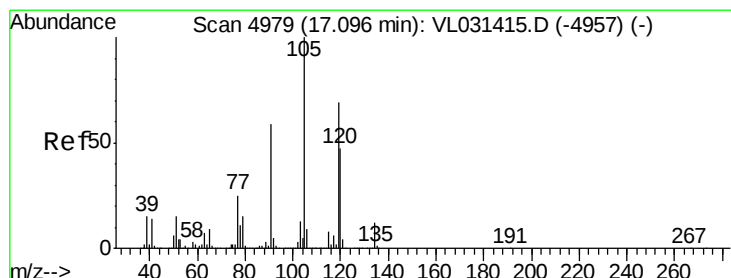
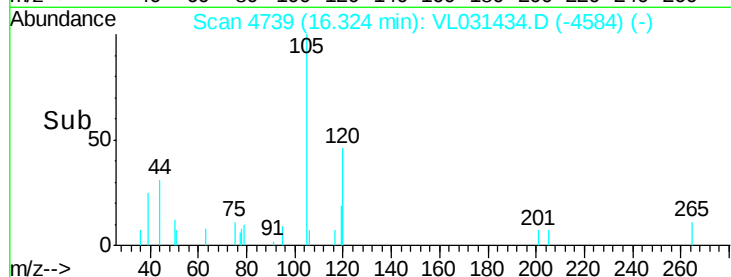
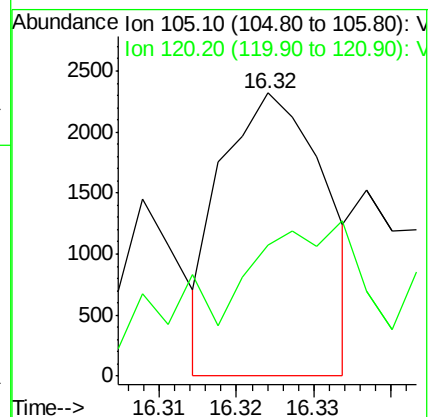
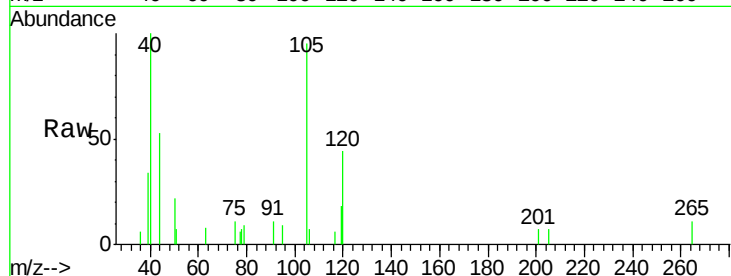
MDL-AIR-2

Tgt Ion:105 Resp: 2165

Ion Ratio Lower Upper

105 100

120 14.6 35.8 53.6#



#74

1,2,4-Trimethylbenzene

Concen: 0.00 ppbv

RT: 17.09 min Scan# 4976

Delta R.T. -0.02 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Tgt Ion:105 Resp: 1113

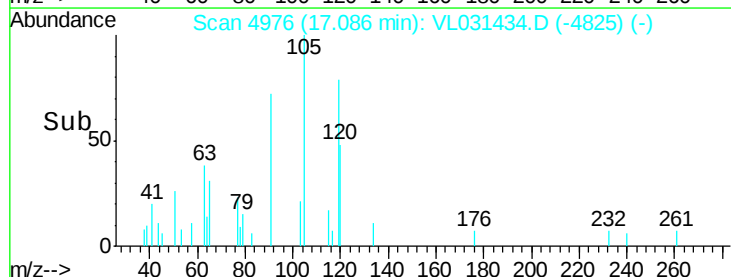
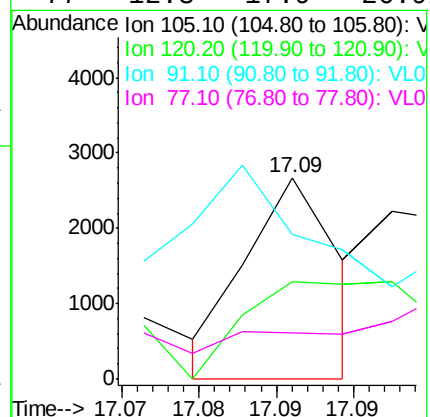
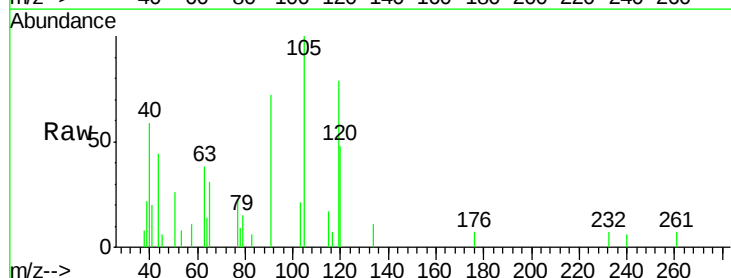
Ion Ratio Lower Upper

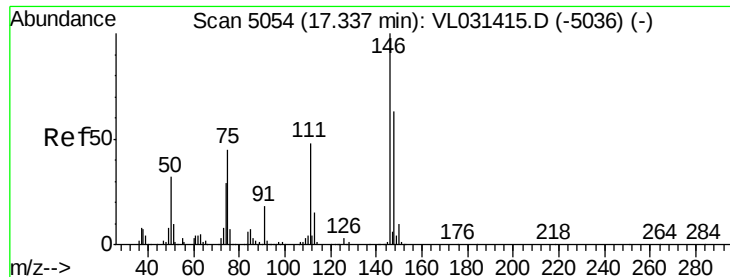
105 100

120 60.1 37.0 55.6#

91 10.1 35.1 52.7#

77 12.3 17.9 26.9#





#75

1,3-Dichlorobenzene

Concen: 0.02 ppbv

RT: 17.33 min Scan# 5051

Delta R.T. -0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

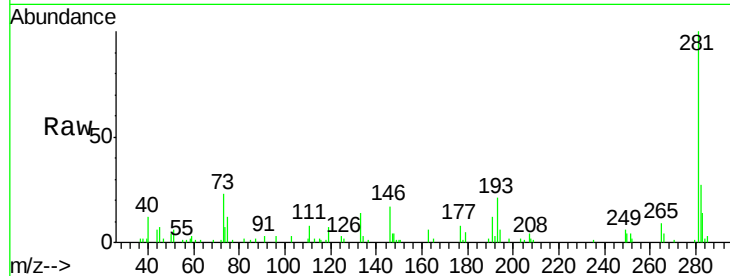
Tgt Ion:146 Resp: 3177

Ion Ratio Lower Upper

146 100

111 0.0 24.2 72.6#

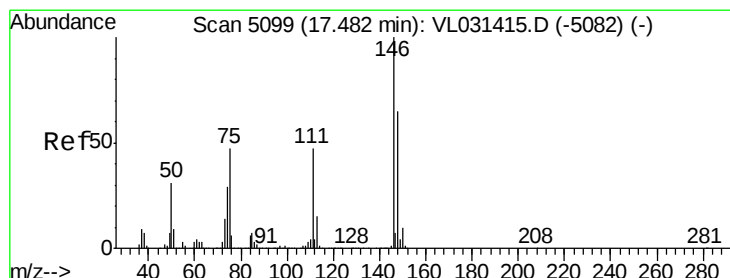
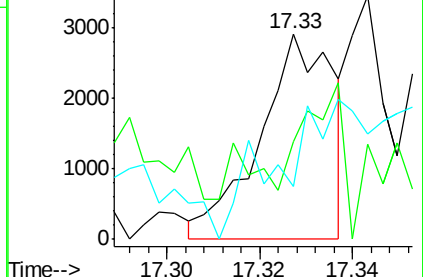
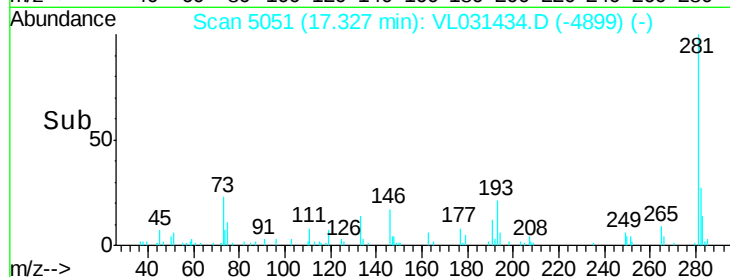
148 0.0 32.1 96.3#



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: 0.01 ppbv

RT: 17.48 min Scan# 5097

Delta R.T. -0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

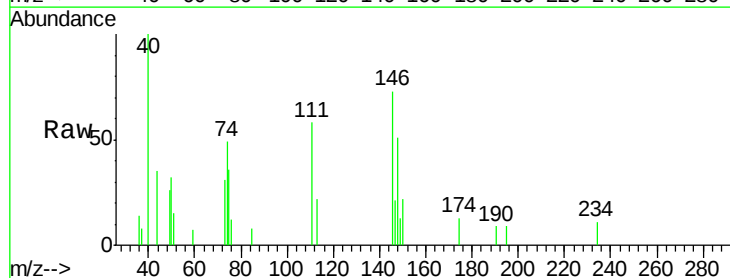
Tgt Ion:146 Resp: 1104

Ion Ratio Lower Upper

146 100

111 0.0 23.3 69.9#

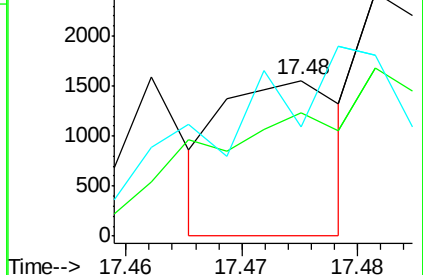
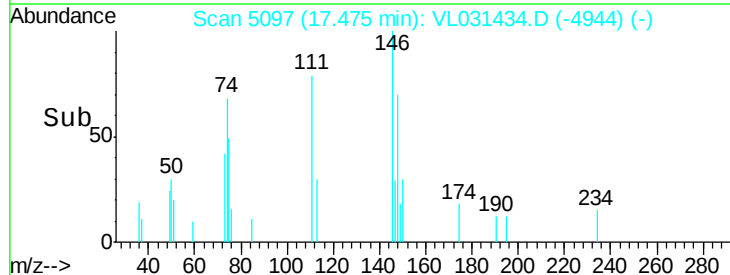
148 0.0 32.4 97.2#

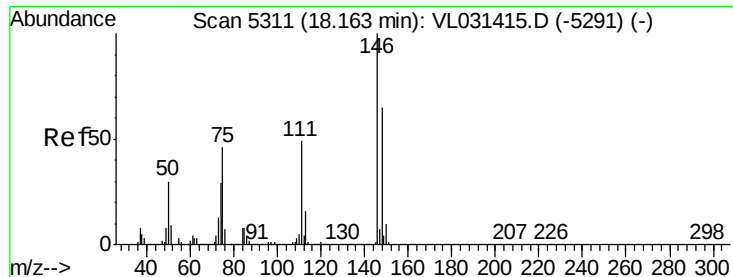


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

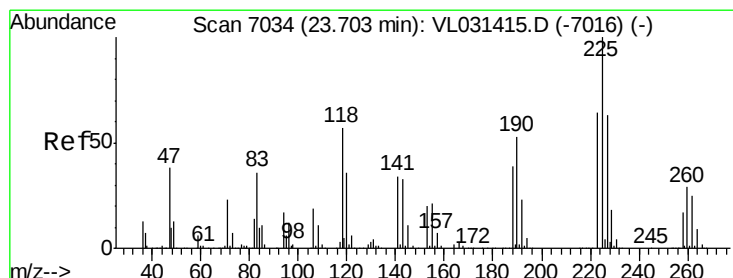
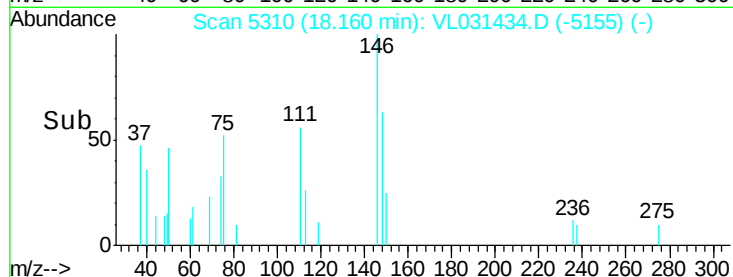
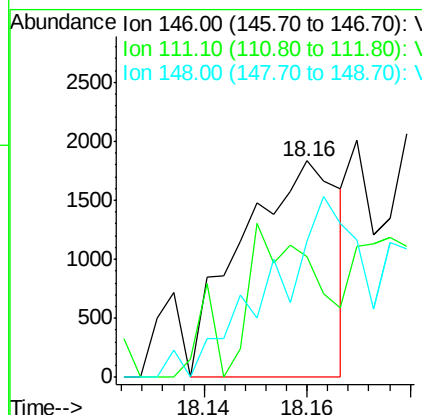
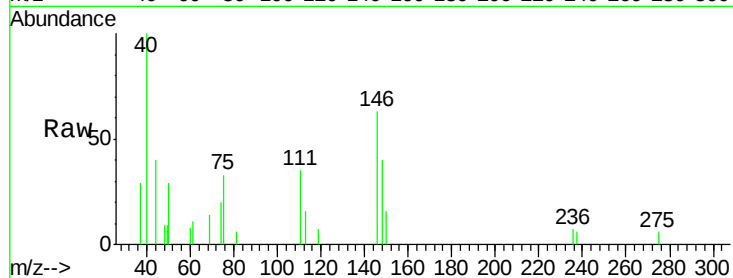




#77
 1,2-Dichlorobenzene
 Concen: 0.01 ppbv
 RT: 18.16 min Scan# 5310
 Delta R.T. -0.00 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

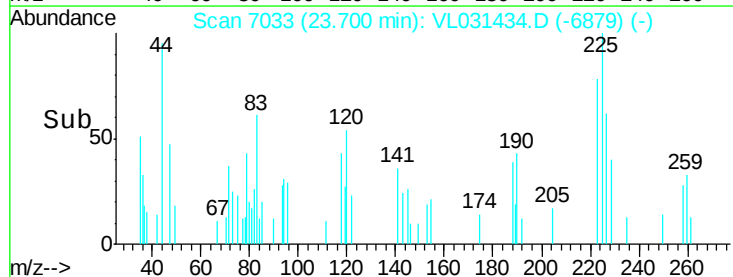
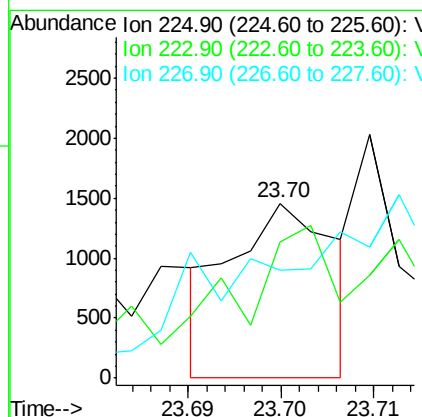
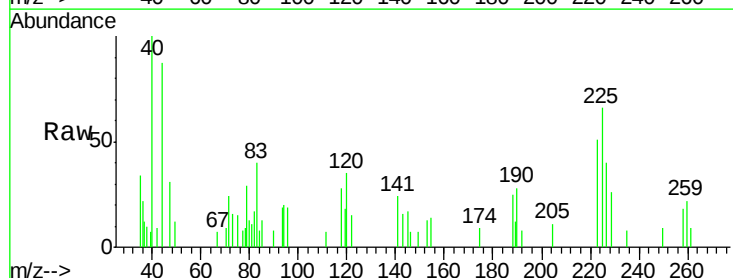
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

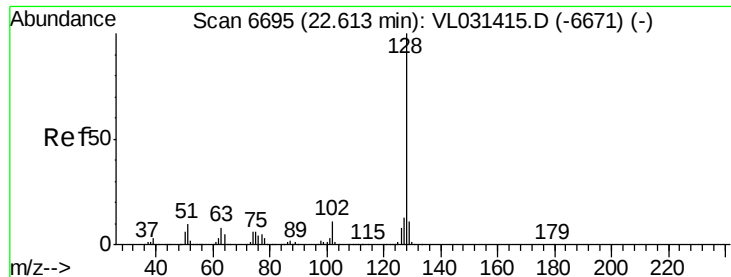
Tgt Ion:146 Resp: 2393
 Ion Ratio Lower Upper
 146 100
 111 108.2 24.6 74.0#
 148 126.9 32.3 96.8#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.02 ppbv
 RT: 23.70 min Scan# 7033
 Delta R.T. -0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Tgt Ion:225 Resp: 1127
 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# 6692

Delta R.T. -0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

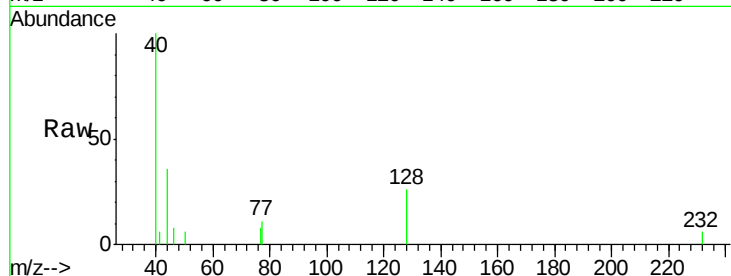
Tgt Ion:128 Resp: 246

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 9.2 13.8#

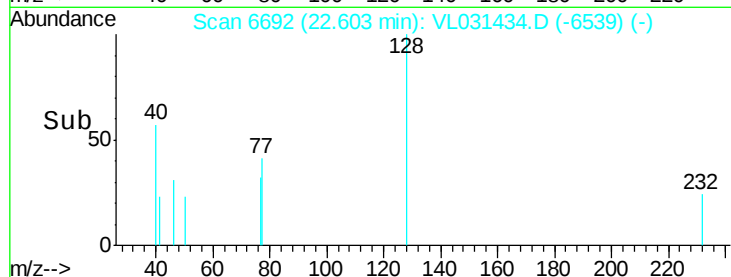


Abundance Ion 128.10 (127.80 to 128.80): V

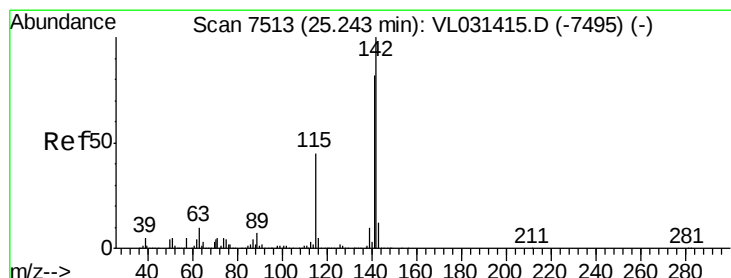
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

Time-->



Time-->



#80

Naphthalene, 2-methyl-

Concen: 0.00 ppbv

RT: 25.26 min Scan# 7518

Delta R.T. 0.01 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

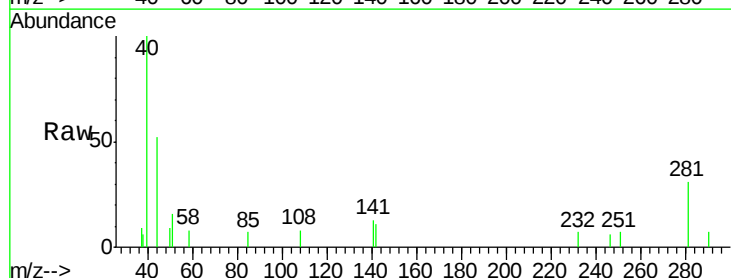
Tgt Ion:142 Resp: 235

Ion Ratio Lower Upper

142 100

141 225.1 68.7 103.1#

115 0.0 36.3 54.5#

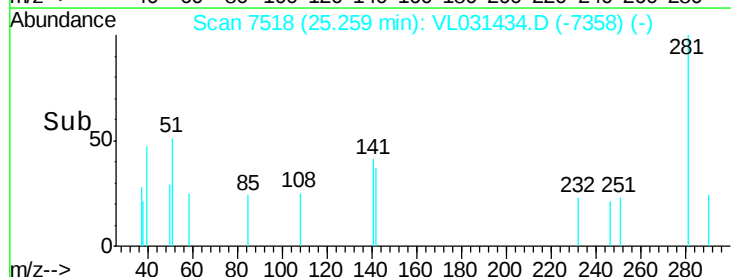


Abundance Ion 142.00 (141.70 to 142.70): V

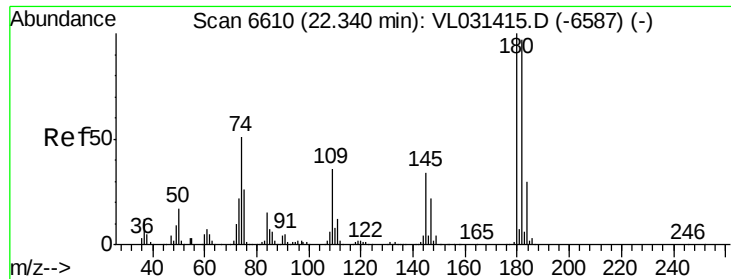
Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

Time-->



Time-->



#81
 1,2,4-Trichlorobenzene
 Concen: 0.00 ppbv
 RT: 22.33 min Scan# 6607
 Delta R.T. -0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tgt Ion:180 Resp: 209
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.2 114.4#
 184 66.0 24.2 36.4#

