

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026664.D
 Acq On : 9 Jan 2016 7:03
 Operator : SY/AP
 Sample : H1002-20
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Quant Time: Jan 12 02:04:32 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 11 17:14:02 2016
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	635426	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	2070383	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.72	117	2839007	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.25	95	2335673	10.32	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.63	85	85381	0.51	ppbv	99
3) Chlorodifluoromethane	3.56	51	42612	0.50	ppbv	99
4) Chloromethane	3.74	50	16362	0.40	ppbv	98
5) Vinyl Chloride	3.88	62	19392	0.39	ppbv	91
6) Bromomethane	4.14	94	16711	0.47	ppbv	99
7) Chloroethane	4.22	64	9372	0.46	ppbv #	87
8) Dichlorotetrafluoroethane	3.79	85	63035	0.47	ppbv	98
9) Propene	3.58	41	10984	0.36	ppbv	99
10) Heptane	9.33	43	42265	0.37	ppbv	94
11) Trichlorofluoromethane	4.68	101	93512	0.53	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.29	101	50406	0.47	ppbv	94
13) Ethanol	4.34	45	1819	0.31	ppbv	70
14) Bromoethene	4.44	108	17316	0.45	ppbv #	97
15) Acetone	4.61	43	56760	0.54	ppbv #	54
16) 1,3-Butadiene	3.96	39	17300	0.41	ppbv	88
18) 1,1-Dichloroethene	5.07	96	20683	0.46	ppbv	91
19) Isopropyl Alcohol	4.76	45	17649	0.41	ppbv #	1
20) Methylene Chloride	5.14	84	21791	0.51	ppbv #	88
21) Allvl Chloride	5.21	41	27857	0.43	ppbv #	72
22) trans-1,2-Dichloroethene	5.75	96	20861	0.41	ppbv #	95
23) Vinyl Acetate	5.97	43	48512	0.30	ppbv #	88
24) 1,1-Dichloroethane	5.89	63	51064	0.44	ppbv	98
25) Ethyl Acetate	6.67	43	57701	0.36	ppbv	96
26) Hexane	6.63	57	32367	0.39	ppbv	90
27) Carbon Disulfide	5.38	76	57218	0.46	ppbv #	82
28) Methyl tert-Butyl Ether	5.96	73	59861	0.36	ppbv	97
29) Chloroform	6.71	83	75274	0.50	ppbv	90
30) Cyclohexane	8.26	84	31313	0.38	ppbv #	29
31) cis-1,2-Dichloroethene	6.49	61	30647	0.36	ppbv	99
32) 1,1,1-Trichloroethane	7.57	97	78770	0.46	ppbv	97
34) 2-Butanone	6.20	43	38012	0.34	ppbv	92
35) Carbon Tetrachloride	8.14	117	73538	0.40	ppbv	94
36) Benzene	7.99	78	70505	0.33	ppbv	97
37) 1,2-Dichloroethane	7.35	62	61050	0.42	ppbv	100
38) Trichloroethene	9.04	130	35637	0.37	ppbv	94
39) 1,2-Dichloropropane	8.80	63	27974	0.38	ppbv	90
40) 1,4-Dioxane	9.15	88	5179	0.31	ppbv #	1
42) Bromodichloromethane	9.00	83	77728	0.41	ppbv #	97
43) Methyl Methacrylate	9.25	69	22631	0.29	ppbv	93
44) 2,2,4-Trimethylpentane	9.06	57	113979	0.33	ppbv	95
45) t-1,3-Dichloropropene	10.63	75	35432	0.28	ppbv	99

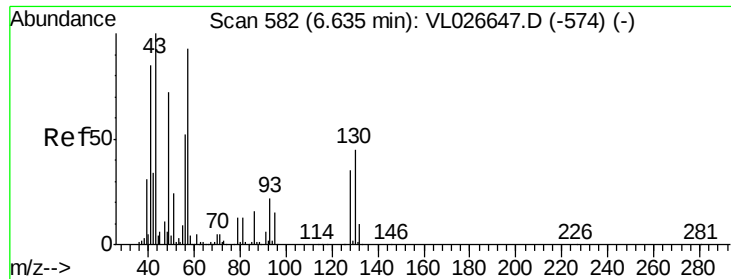
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	9.99	75	40853	0.29	ppbv	88
47) 1,1,2-Trichloroethane	10.85	97	42199	0.40	ppbv	92
48) Dibromochloromethane	11.77	129	63599	0.40	ppbv	100
49) Bromoform	14.79	173	53210	0.41	ppbv	99
50) 4-Methyl-2-Pentanone	10.08	43	44495	0.29	ppbv	94
51) 2-Hexanone	11.62	43	35005	0.24	ppbv #	93
52) Tetrachloroethene	12.77	164	43325	0.41	ppbv #	92
53) Toluene	11.21	91	94009	0.31	ppbv	92
54) 1,2-Dibromoethane	12.12	107	71369	0.43	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.76	131	57670	0.44	ppbv #	1
57) Chlorobenzene	13.79	112	132241	0.45	ppbv #	87
58) Ethyl Benzene	14.39	91	162577	0.32	ppbv	100
59) m/p-Xylene	14.69	91	158668	0.38	ppbv #	22
60) o-Xylene	15.46	91	192609	0.43	ppbv	99
61) Styrene	15.30	104	52288	0.30	ppbv	97
62) Isopropylbenzene	16.52	105	238747	0.40	ppbv	98
63) 1,1,2,2-Tetrachloroethane	15.45	83	150938	0.45	ppbv	97
64) n-propylbenzene	17.49	120	65259	0.41	ppbv	98
65) tert-Butylbenzene	18.78	119	234078	0.43	ppbv	92
66) Benzyl Chloride	19.08	91	62934	0.32	ppbv #	98
67) sec-Butylbenzene	19.38	105	327637	0.40	ppbv	100
69) p-Isopropyltoluene	19.76	119	228670	0.37	ppbv	97
70) n-Butylbenzene	20.74	91	229748	0.36	ppbv	94
71) 2-Chlorotoluene	17.40	91	149838	0.32	ppbv	97
72) 4-Ethyltoluene	17.80	105	172937	0.34	ppbv	96
73) 1,3,5-Trimethylbenzene	17.96	105	183831	0.38	ppbv	99
74) 1,2,4-Trimethylbenzene	18.80	105	222120	0.44	ppbv	96
75) 1,3-Dichlorobenzene	19.09	146	139616	0.44	ppbv	97
76) 1,4-Dichlorobenzene	19.24	146	137772	0.43	ppbv	97
77) 1,2-Dichlorobenzene	20.00	146	138073	0.43	ppbv	97
78) Hexachloro-1,3-Butadiene	24.65	225	53254	0.41	ppbv	98
79) Naphthalene	23.92	128	88072	0.26	ppbv	96
80) Naphthalene,2-methyl-	26.05	142	16785	0.32	ppbv #	89
81) 1,2,4-Trichlorobenzene	23.72	180	50501	0.32	ppbv	98

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VL026664.D

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Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

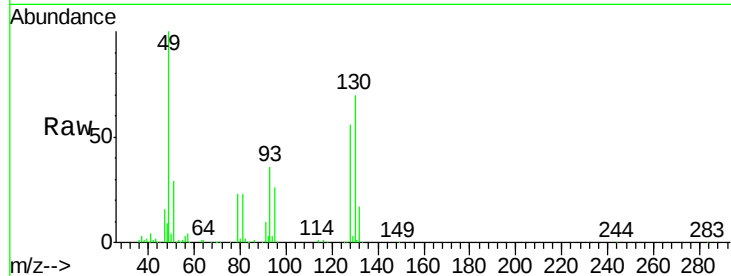
Tot Ion: 49 Resp: 635426

Ion Ratio Lower Upper

49 100

128 59.2 25.9 77.7

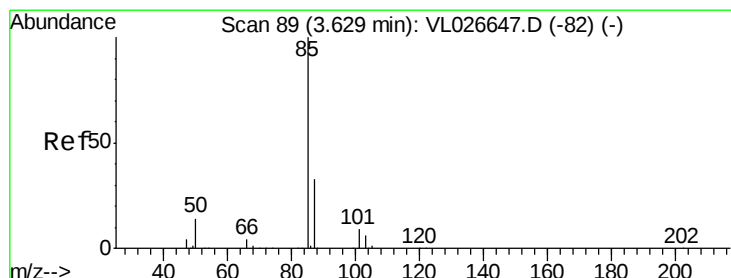
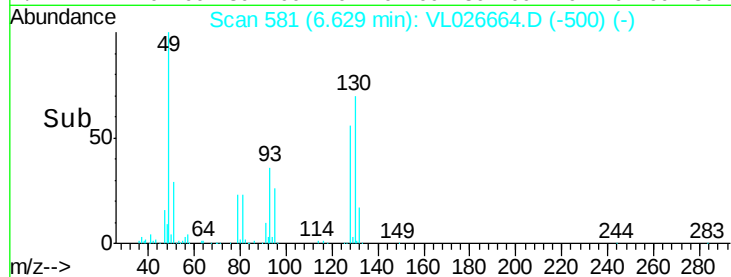
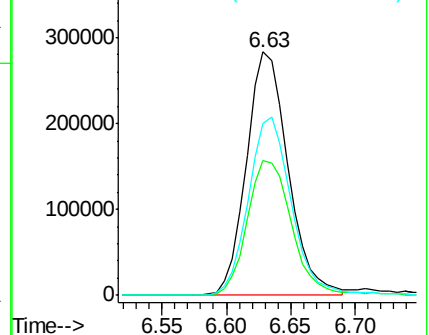
130 76.6 33.6 100.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.51 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL026664.D

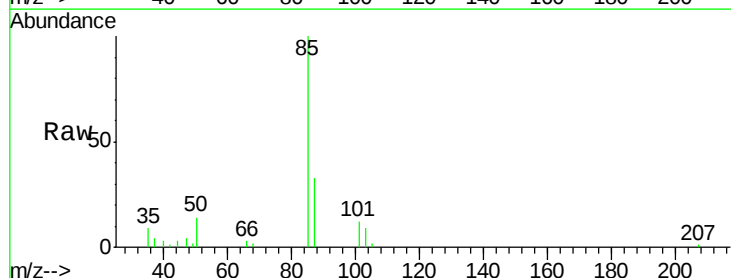
Acq: 9 Jan 2016 7:03

Tgt Ion: 85 Resp: 85381

Ion Ratio Lower Upper

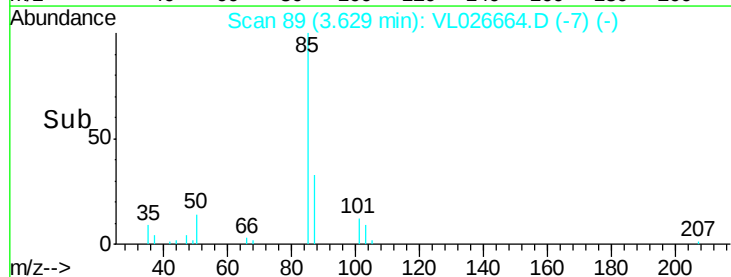
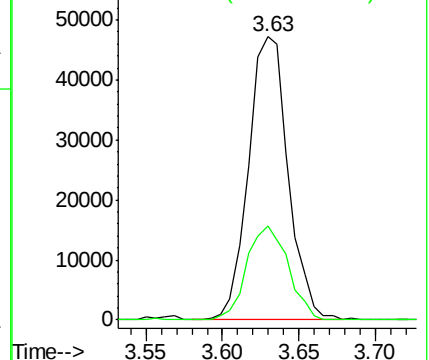
85 100

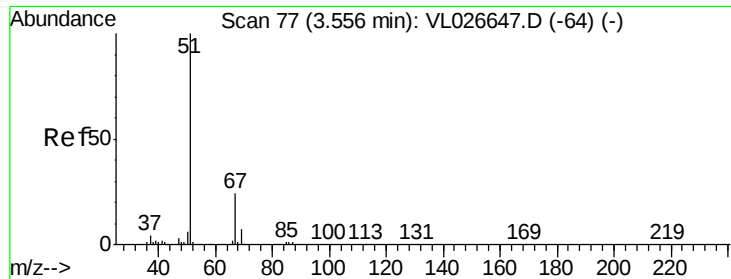
87 33.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.50 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

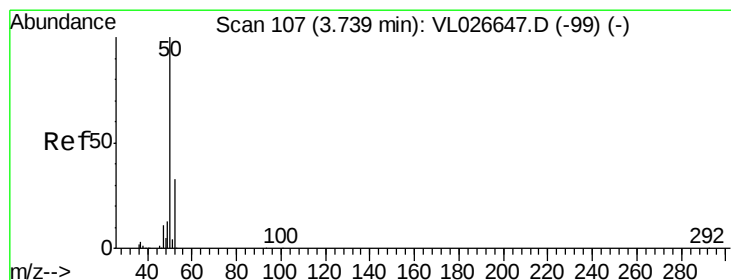
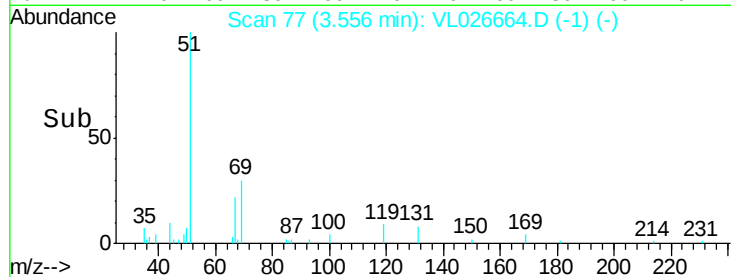
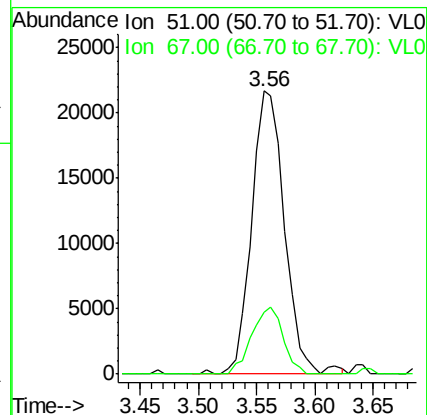
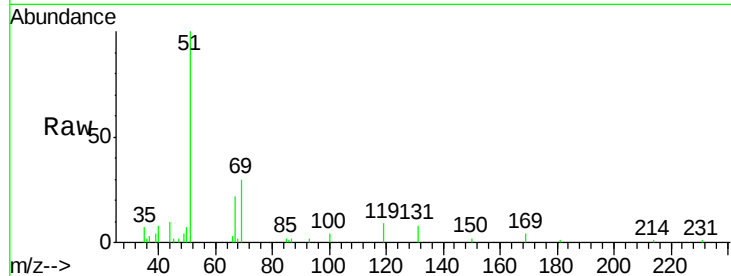
MDL-AIR-6

Tot Ion: 51 Resp: 42612

Ion Ratio Lower Upper

51 100

67 22.8 18.6 28.0



#4

Chloromethane

Concen: 0.40 ppbv

RT: 3.74 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL026664.D

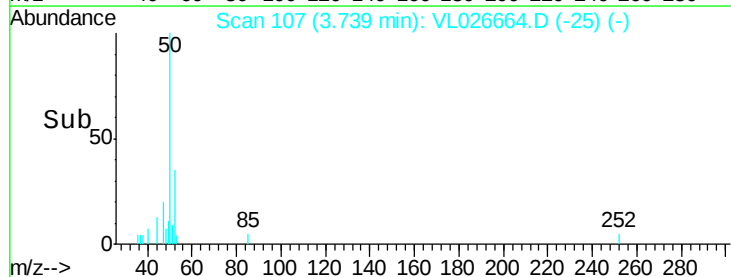
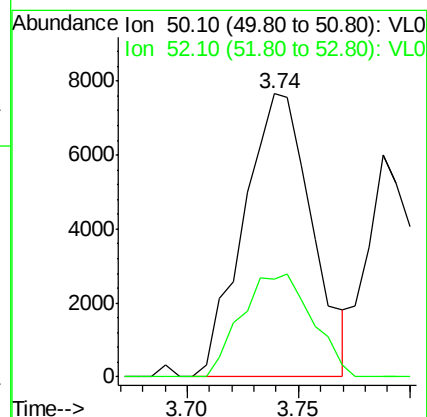
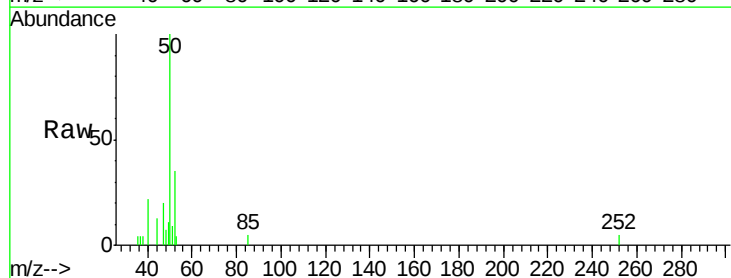
Acq: 9 Jan 2016 7:03

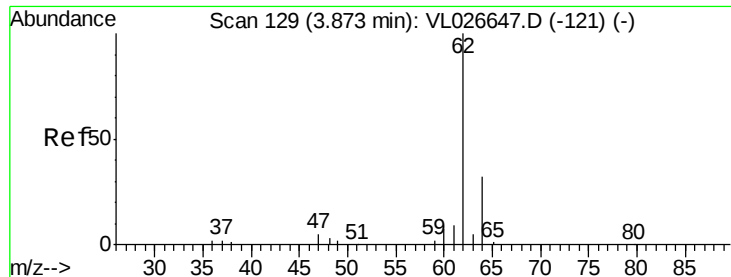
Tgt Ion: 50 Resp: 16362

Ion Ratio Lower Upper

50 100

52 34.6 26.7 40.1





#5

Vinyl Chloride

Concen: 0.39 ppbv

RT: 3.88 min Scan# 130

Delta R.T. 0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

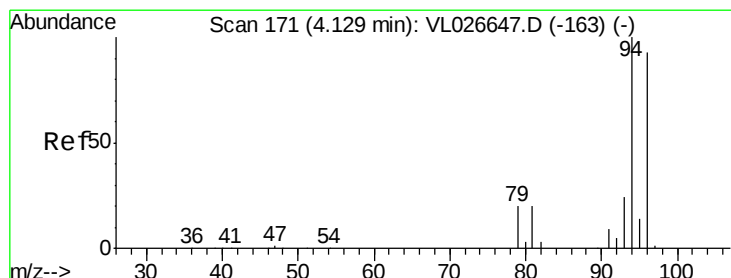
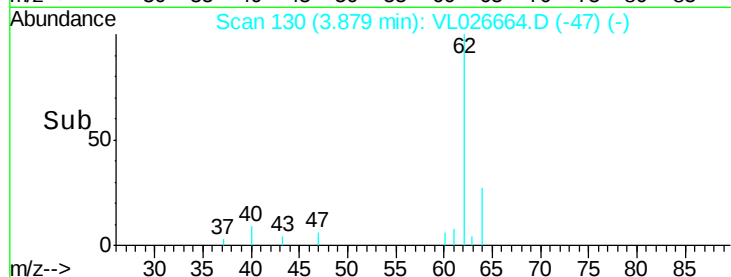
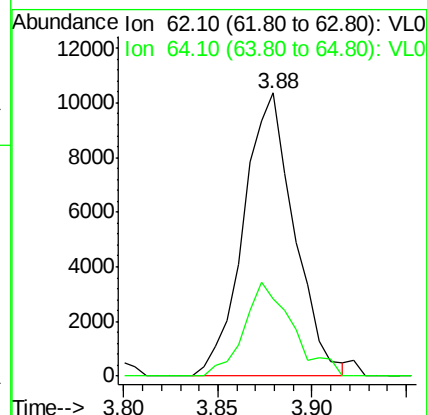
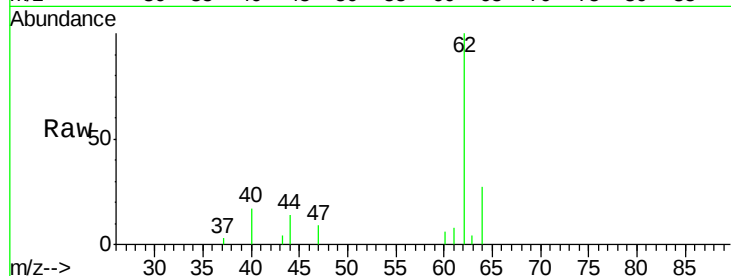
MDL-AIR-6

Tot Ion: 62 Resp: 19392

Ion Ratio Lower Upper

62 100

64 27.2 25.6 38.4



#6

Bromomethane

Concen: 0.47 ppbv

RT: 4.14 min Scan# 172

Delta R.T. 0.01 min

Lab File: VL026664.D

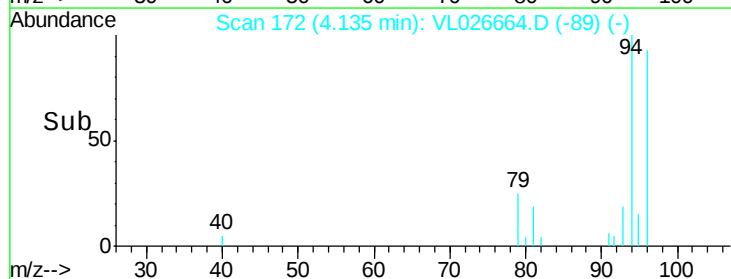
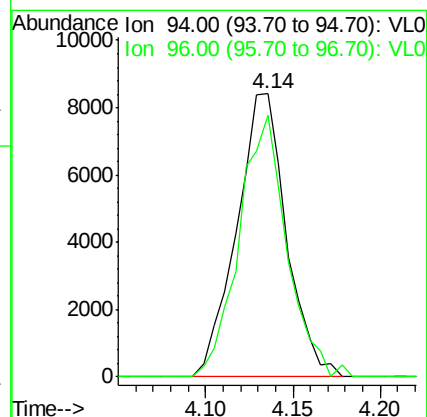
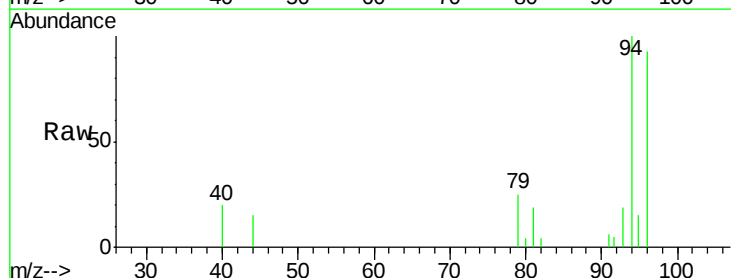
Acq: 9 Jan 2016 7:03

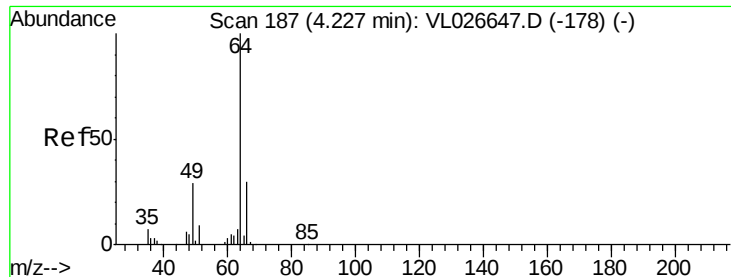
Tgt Ion: 94 Resp: 16711

Ion Ratio Lower Upper

94 100

96 92.6 74.6 112.0





#7

Chloroethane

Concen: 0.46 ppbv

RT: 4.22 min Scan# 186

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

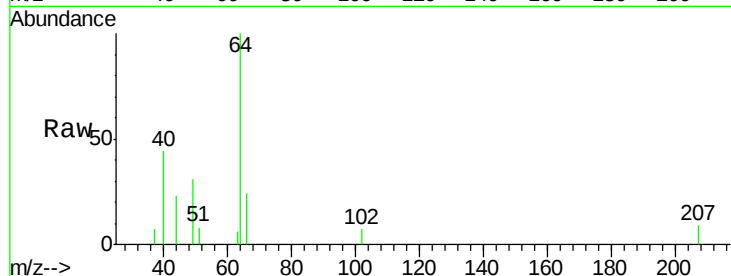
MDL-AIR-6

Tot Ion: 64 Resp: 9372

Ion Ratio Lower Upper

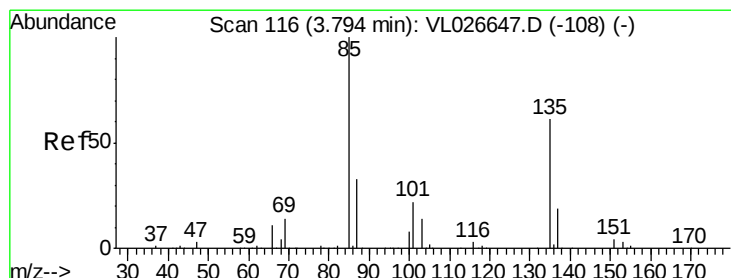
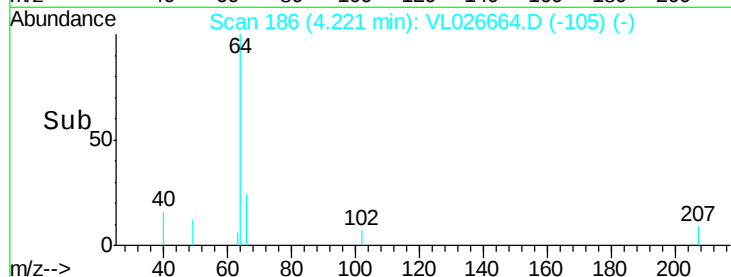
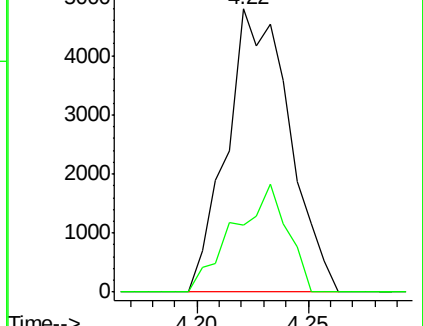
64 100

66 23.6 24.3 36.5#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.47 ppbv

RT: 3.79 min Scan# 116

Delta R.T. 0.00 min

Lab File: VL026664.D

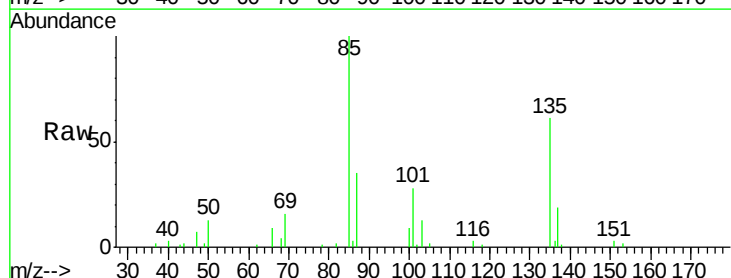
Acq: 9 Jan 2016 7:03

Tgt Ion: 85 Resp: 63035

Ion Ratio Lower Upper

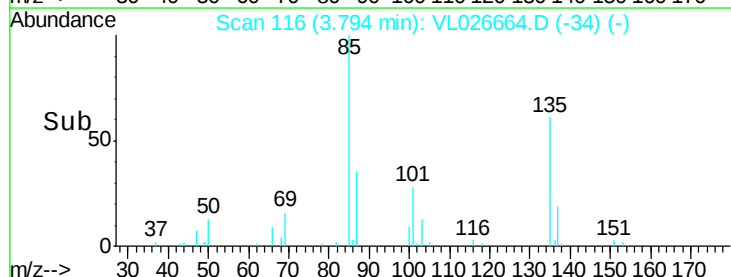
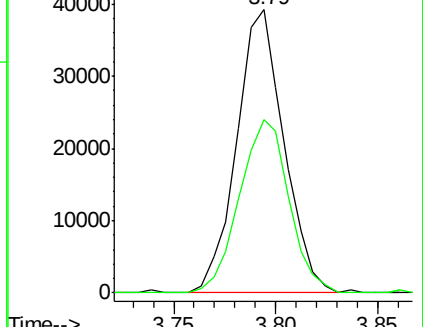
85 100

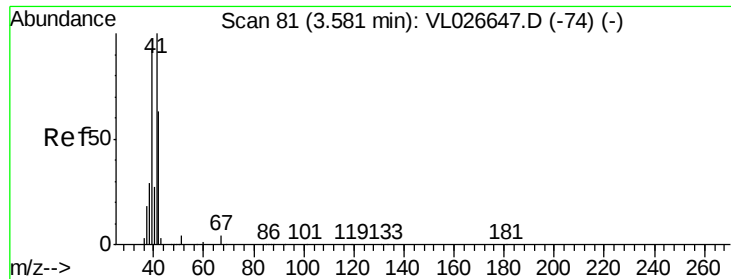
135 64.0 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.36 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

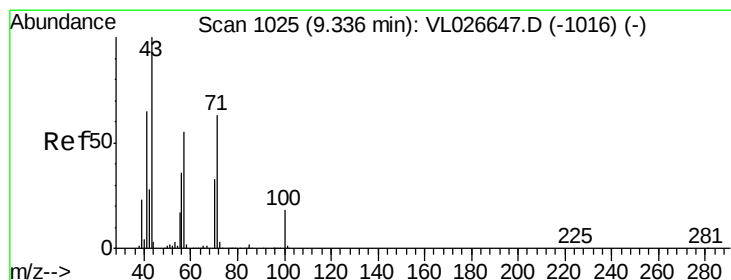
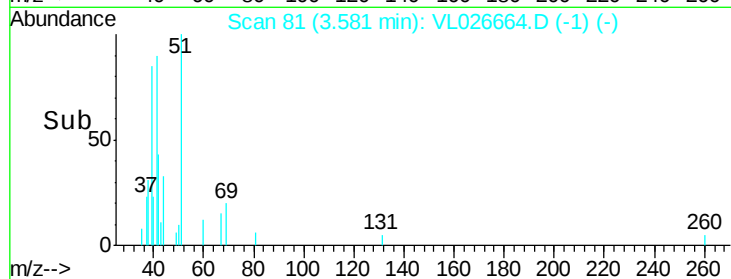
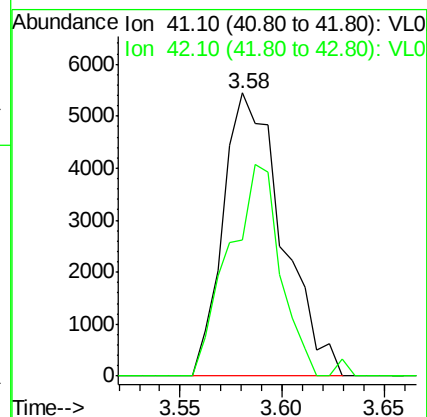
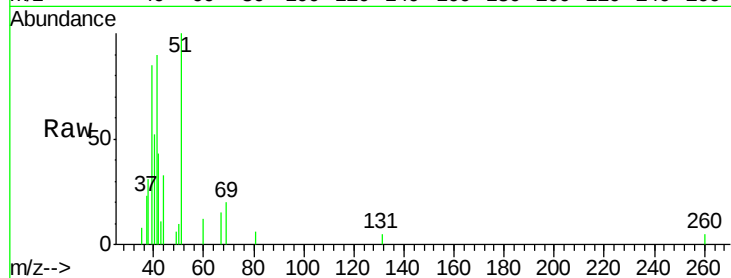
MDL-AIR-6

Tot Ion: 41 Resp: 10984

Ion Ratio Lower Upper

41 100

42 65.9 53.6 80.4



#10

Heptane

Concen: 0.37 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. -0.01 min

Lab File: VL026664.D

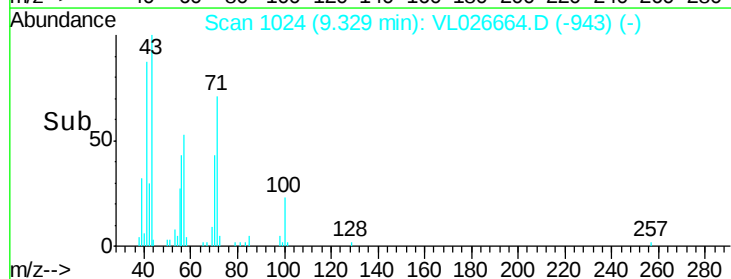
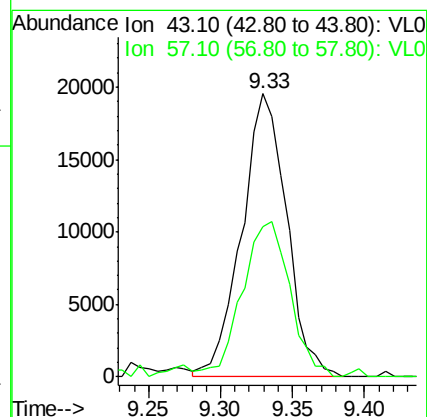
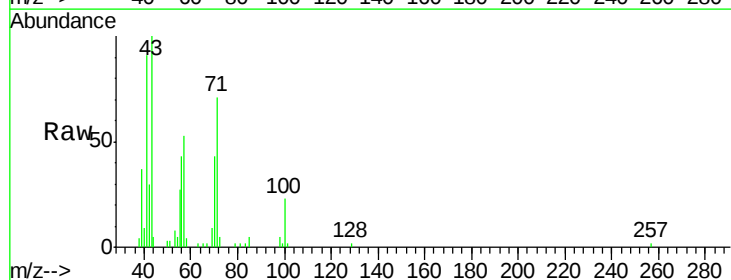
Acq: 9 Jan 2016 7:03

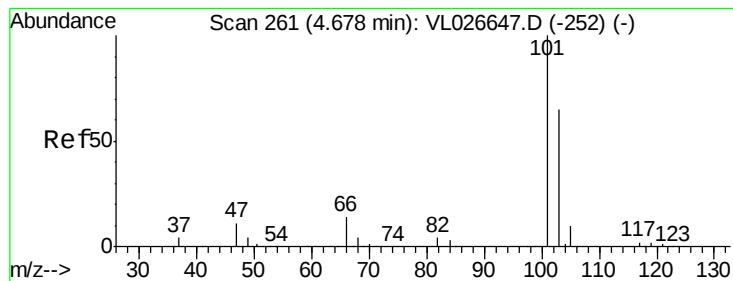
Tgt Ion: 43 Resp: 42265

Ion Ratio Lower Upper

43 100

57 61.3 45.8 68.6





#11

Trichlorofluoromethane

Concen: 0.53 ppbv

RT: 4.68 min Scan# 262

Delta R.T. 0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

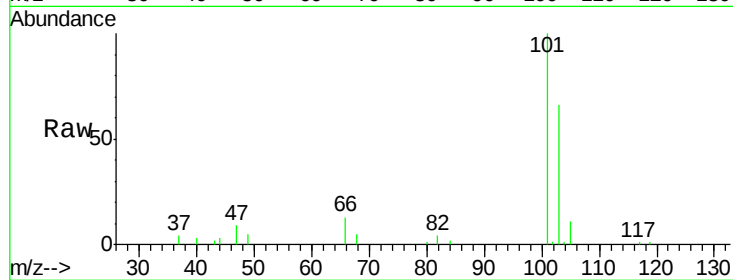
MDL-AIR-6

Tot Ion:101 Resp: 93512

Ion Ratio Lower Upper

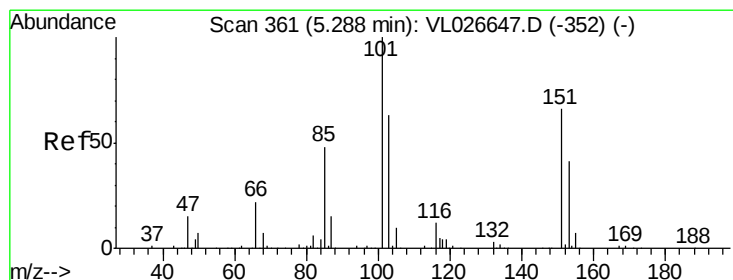
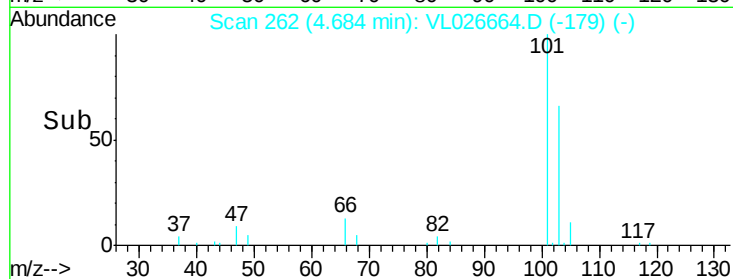
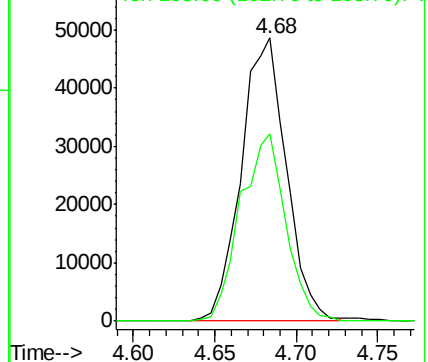
101 100

103 66.0 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.47 ppbv

RT: 5.29 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL026664.D

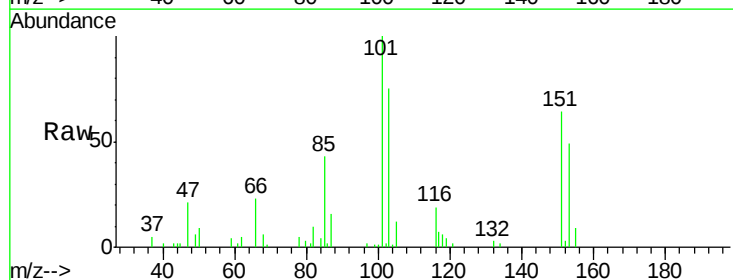
Acq: 9 Jan 2016 7:03

Tgt Ion:101 Resp: 50406

Ion Ratio Lower Upper

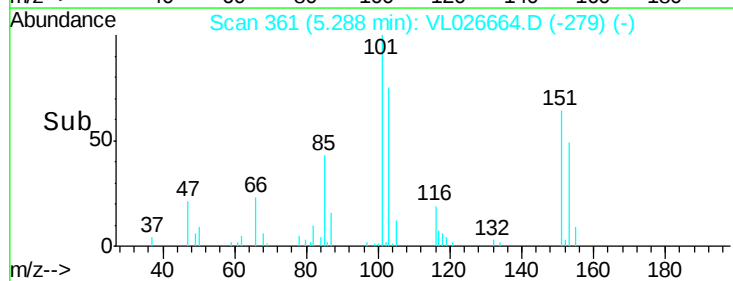
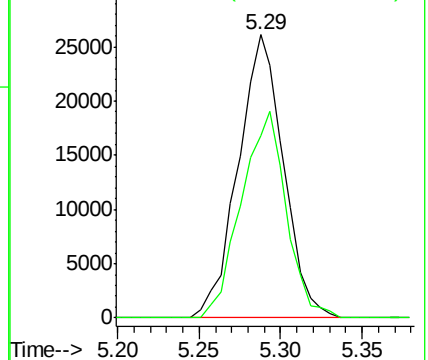
101 100

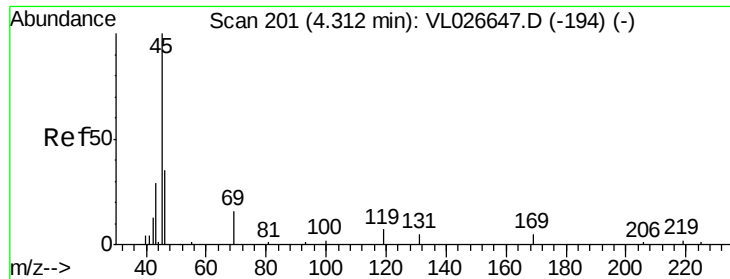
151 72.3 54.2 81.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.31 ppbv

RT: 4.34 min Scan# 205

Delta R.T. 0.02 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

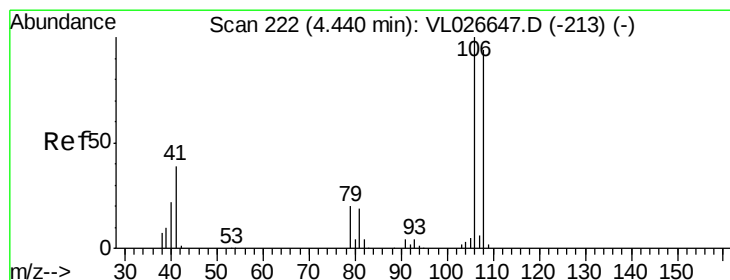
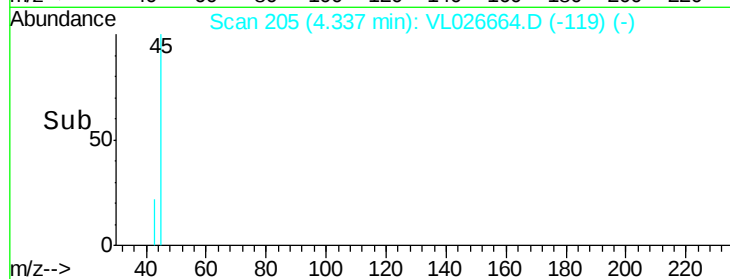
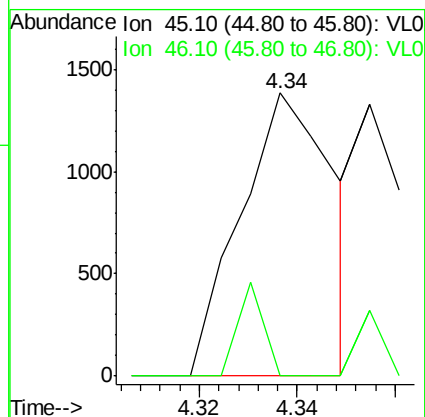
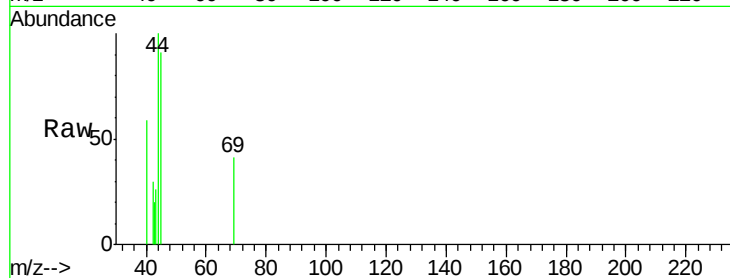
MDL-AIR-6

Tot Ion: 45 Resp: 1819

Ion Ratio Lower Upper

45 100

46 22.6 16.7 66.7



#14

Bromoethene

Concen: 0.45 ppbv

RT: 4.44 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

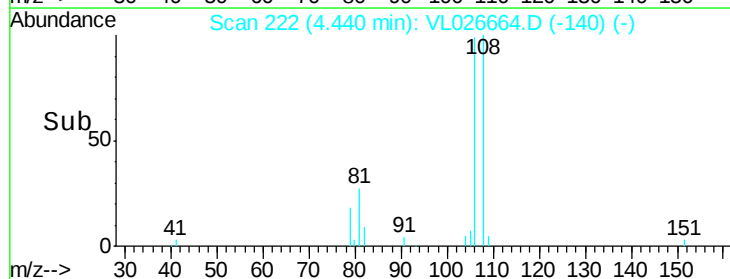
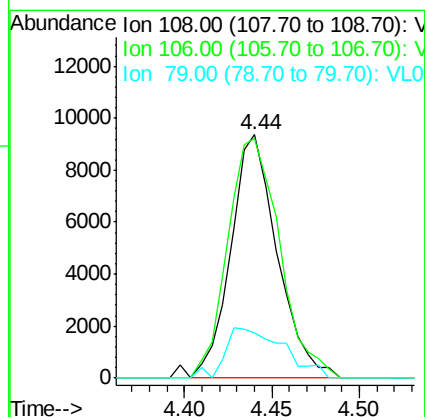
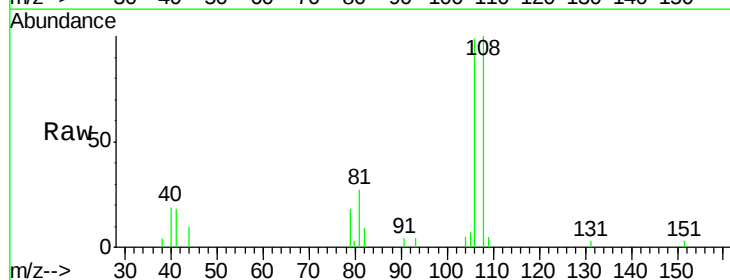
Tgt Ion: 108 Resp: 17316

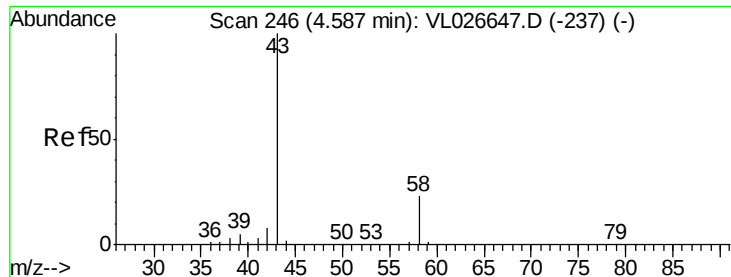
Ion Ratio Lower Upper

108 100

106 110.1 86.4 129.6

79 26.0 17.2 25.8#





#15

Acetone

Concen: 0.54 ppbv

RT: 4.61 min Scan# 250

Delta R.T. 0.02 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

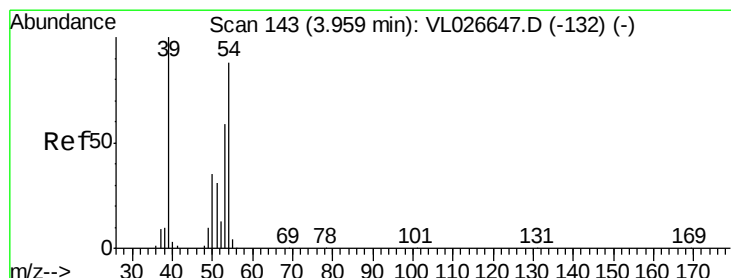
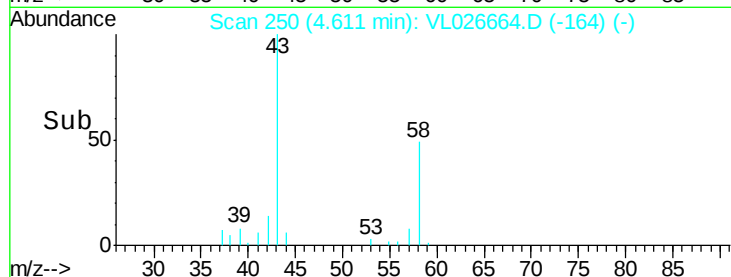
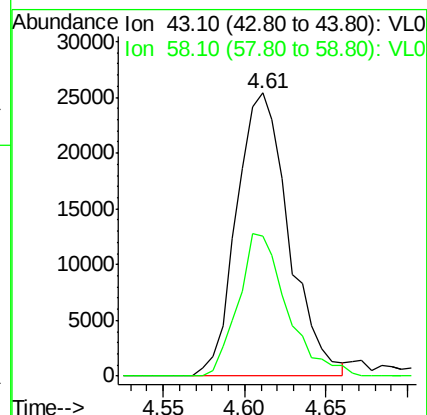
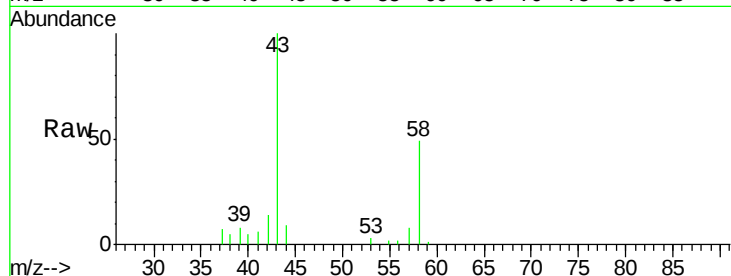
MDL-AIR-6

Tot Ion: 43 Resp: 56760

Ion Ratio Lower Upper

43 100

58 46.8 19.2 28.8#



#16

1,3-Butadiene

Concen: 0.41 ppbv

RT: 3.96 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL026664.D

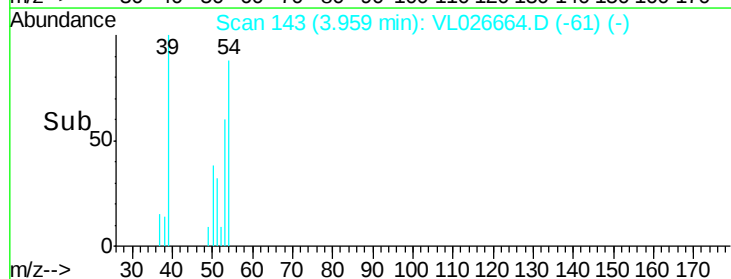
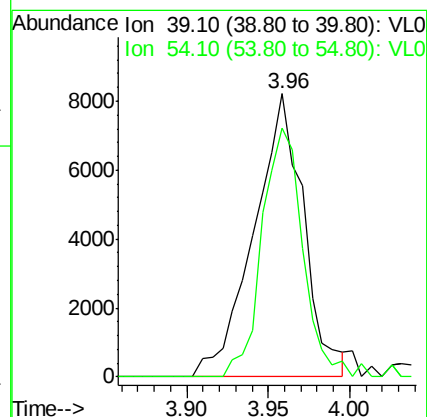
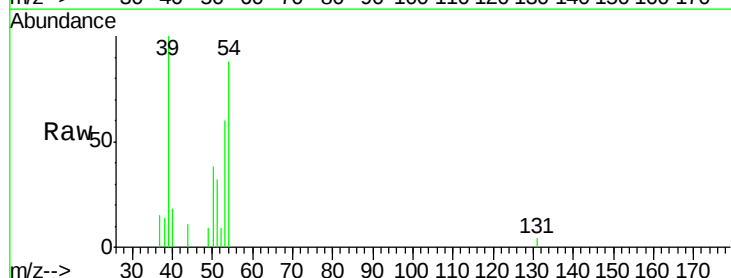
Acq: 9 Jan 2016 7:03

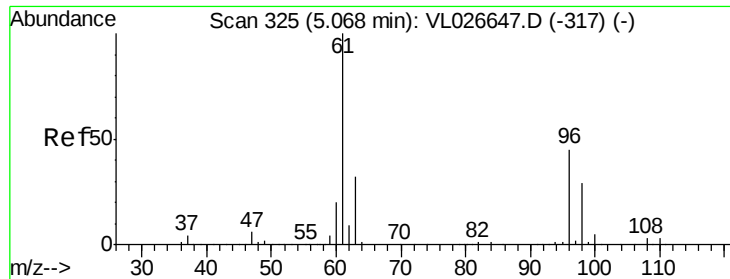
Tgt Ion: 39 Resp: 17300

Ion Ratio Lower Upper

39 100

54 72.9 66.6 100.0

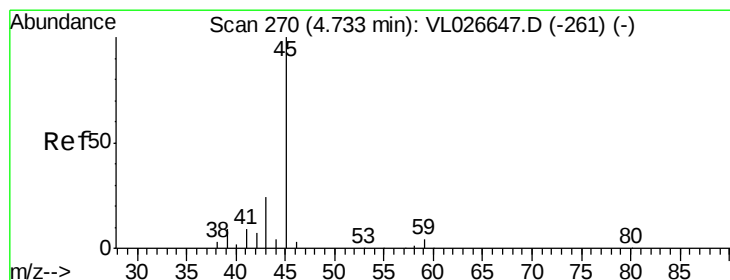
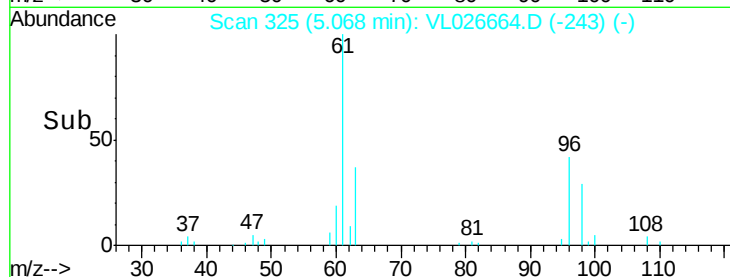
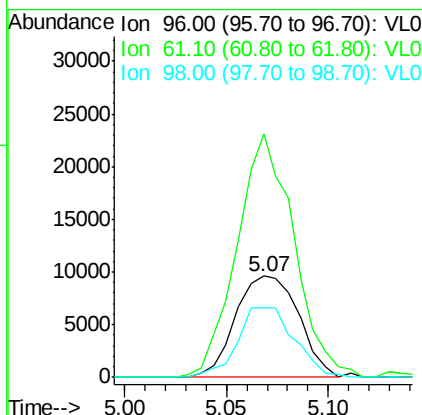
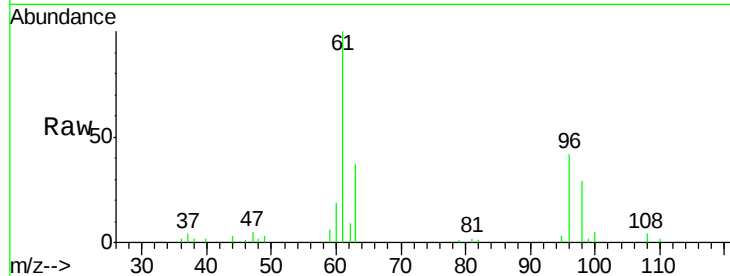




#18
 1,1-Dichloroethene
 Concen: 0.46 ppbv
 RT: 5.07 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

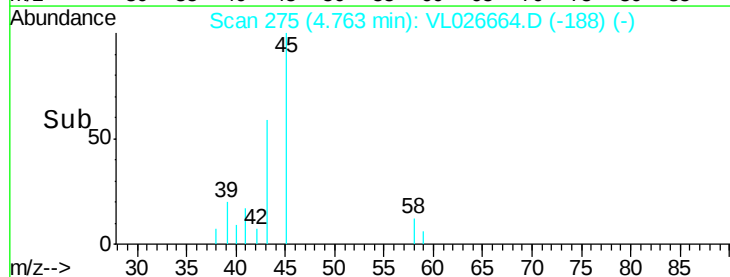
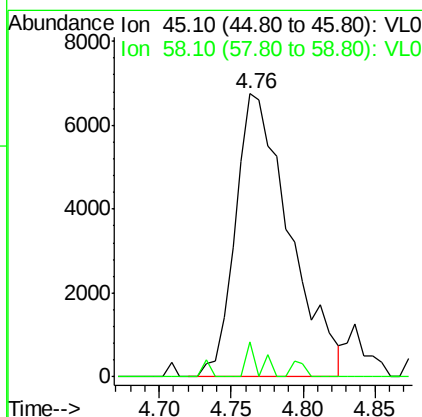
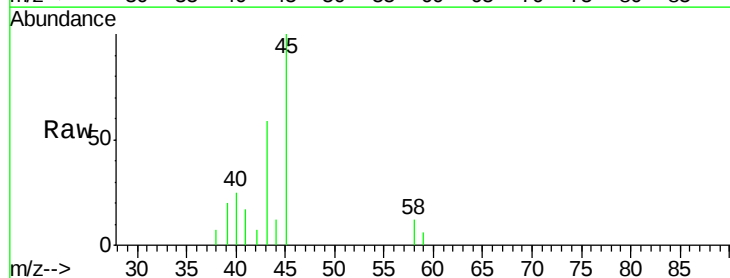
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

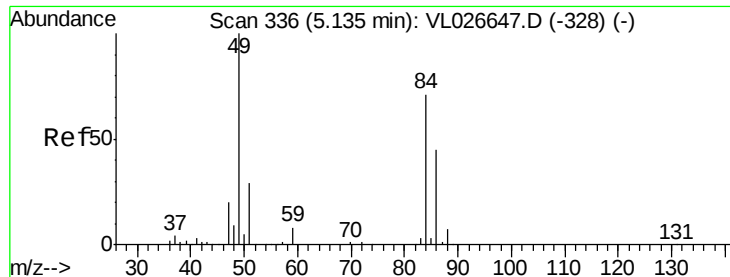
Tot Ion: 96 Resp: 20683
 Ion Ratio Lower Upper
 96 100
 61 237.3 176.7 265.1
 98 68.8 51.8 77.6



#19
 Isopropyl Alcohol
 Concen: 0.41 ppbv
 RT: 4.76 min Scan# 275
 Delta R.T. 0.03 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion: 45 Resp: 17649
 Ion Ratio Lower Upper
 45 100
 58 150.5 1.3 1.9#

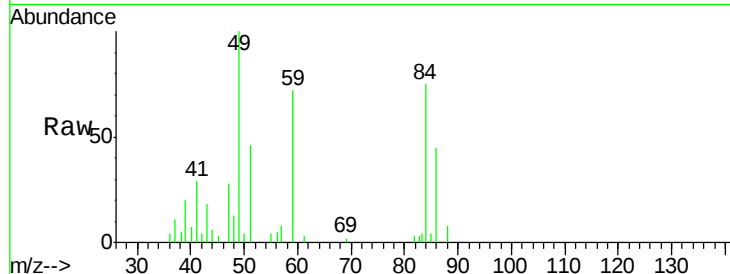




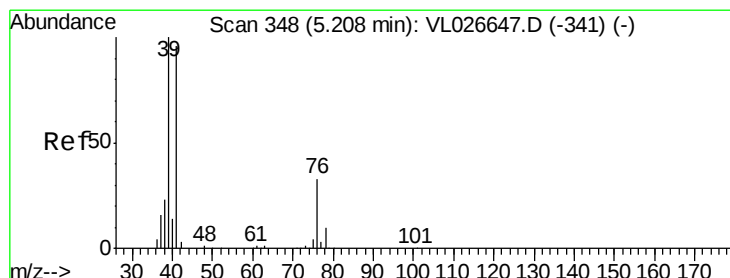
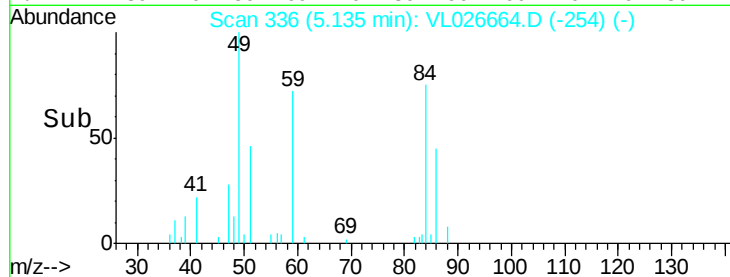
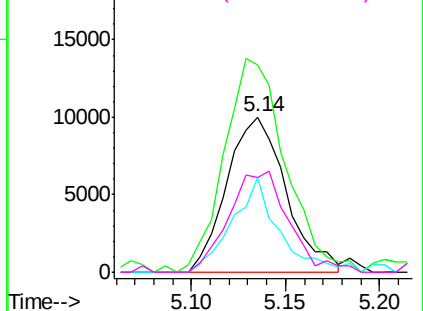
#20
Methylene Chloride
Concen: 0.51 ppbv
RT: 5.14 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tot Ion: 84 Resp: 21791
Ion Ratio Lower Upper
84 100
49 128.7 112.3 168.5
51 60.8 32.5 48.7#
86 60.6 50.3 75.5

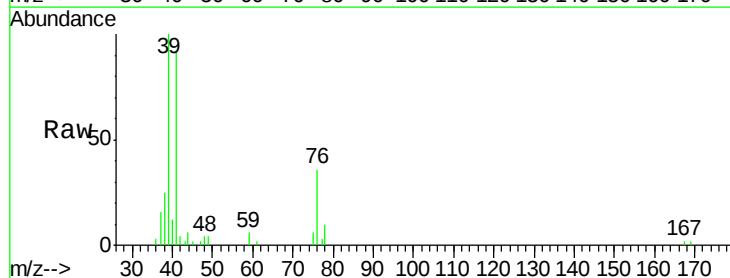


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

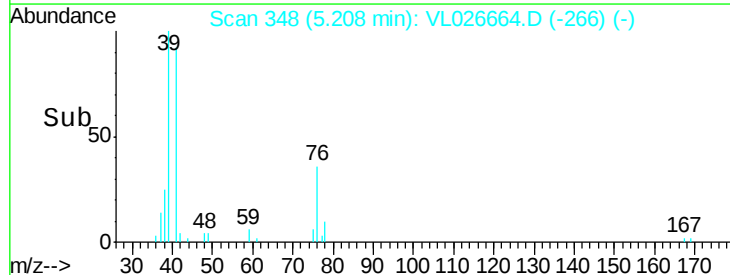
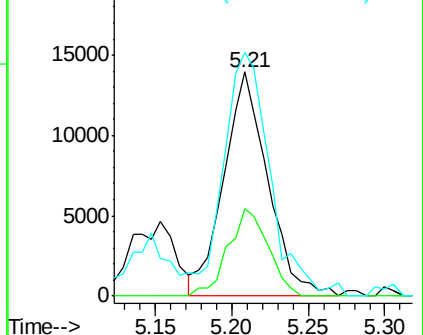


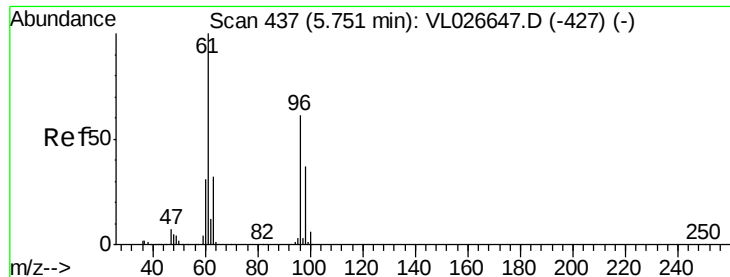
#21
Allyl Chloride
Concen: 0.43 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion: 41 Resp: 27857
Ion Ratio Lower Upper
41 100
76 35.3 27.5 41.3
39 141.4 83.0 124.6#



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





#22

trans-1,2-Dichloroethene

Concen: 0.41 ppbv

RT: 5.75 min Scan# 437

Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

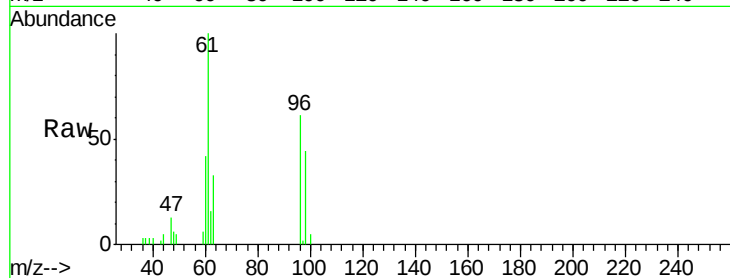
Tot Ion: 96 Resp: 20861

Ion Ratio Lower Upper

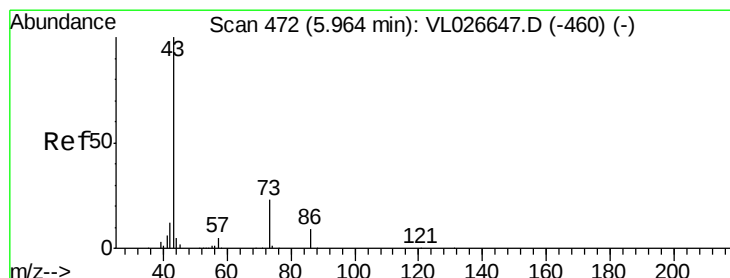
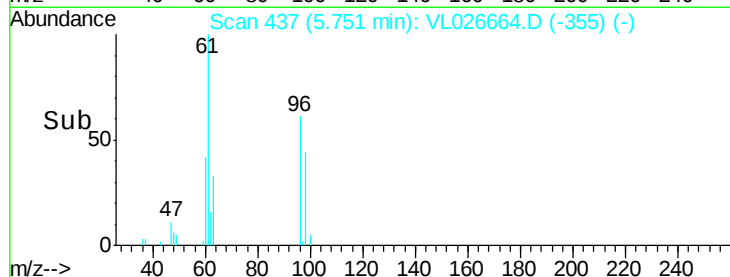
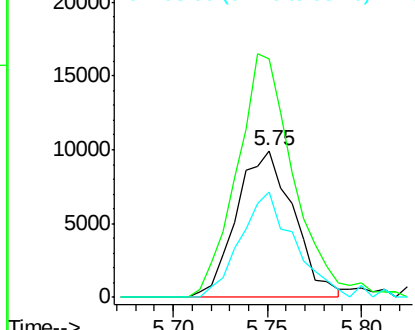
96 100

61 163.3 131.0 196.6

98 72.2 48.1 72.1#



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



#23

Vinyl Acetate

Concen: 0.30 ppbv

RT: 5.97 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion: 43 Resp: 48512

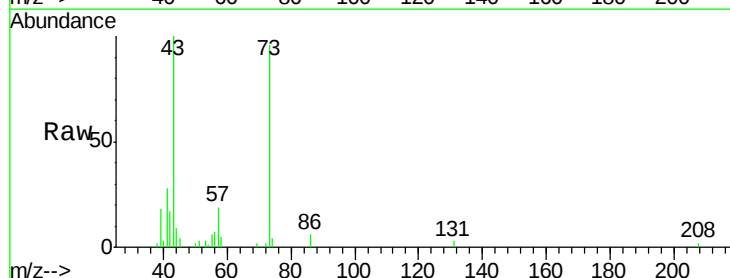
Ion Ratio Lower Upper

43 100

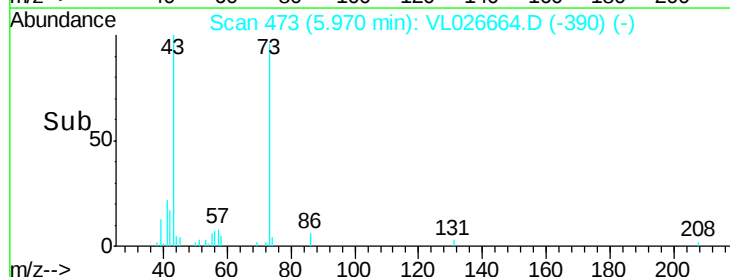
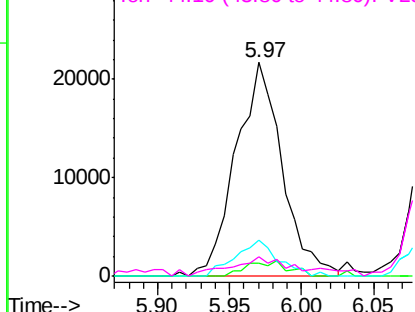
86 6.2 7.4 11.0#

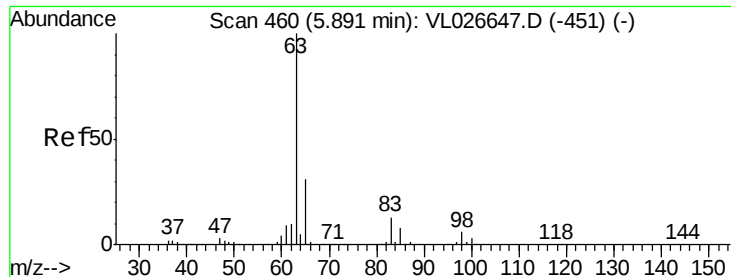
42 17.0 9.2 13.8#

44 9.1 3.8 5.8#



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: 0.44 ppbv

RT: 5.89 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

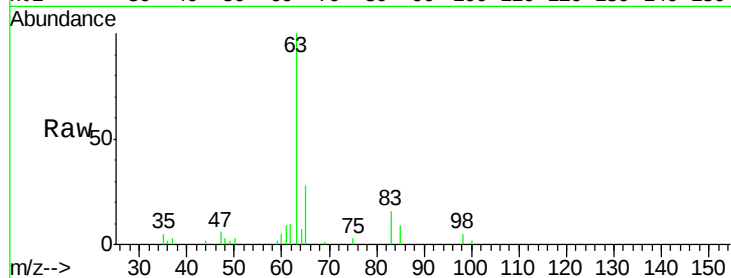
Tot Ion: 63 Resp: 51064

Ion Ratio Lower Upper

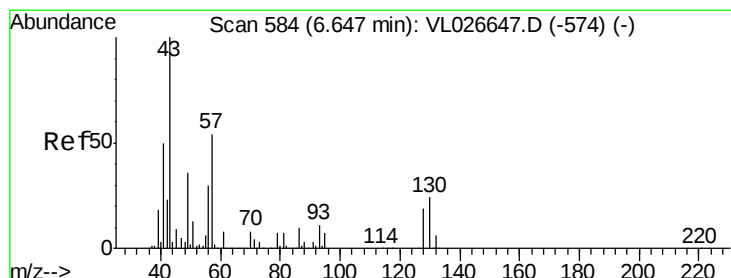
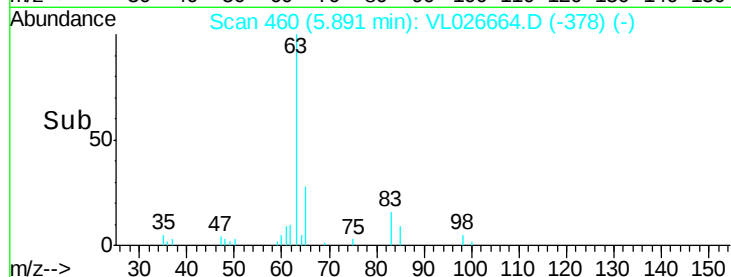
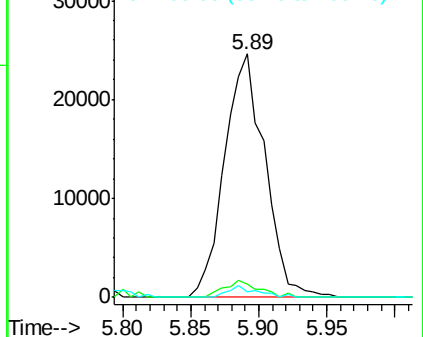
63 100

98 5.2 2.9 8.7

100 2.5 1.6 4.8



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: 0.36 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.02 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion: 43 Resp: 57701

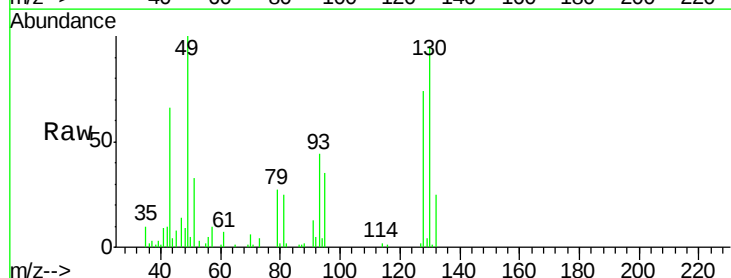
Ion Ratio Lower Upper

43 100

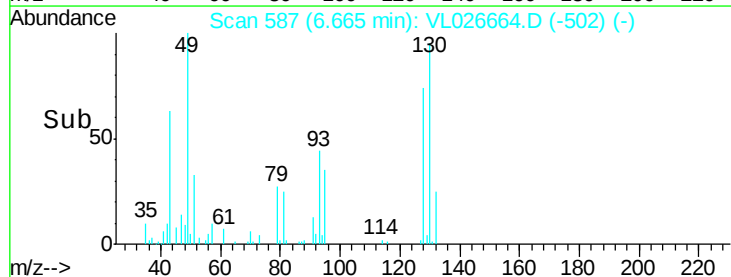
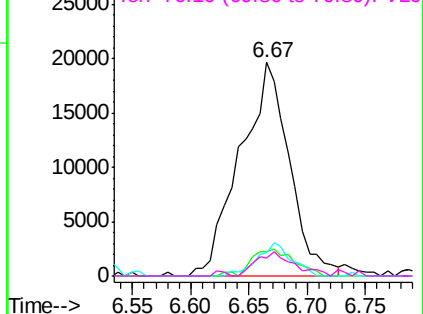
45 11.1 7.5 11.3

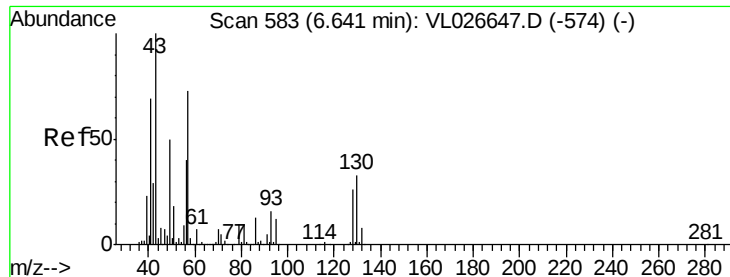
61 10.5 7.3 10.9

70 9.9 7.4 11.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.39 ppbv

RT: 6.63 min Scan# 582

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

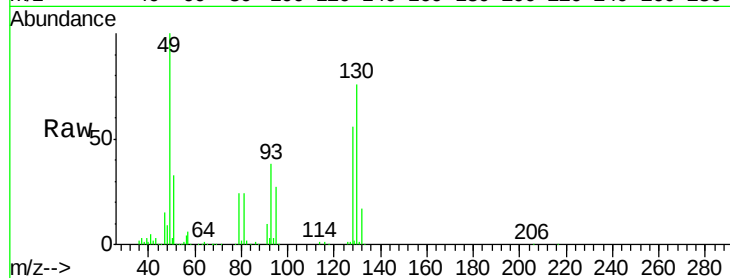
MSVOA_L

ClientSampleId :

MDL-AIR-6

Tot Ion: 57 Resp: 32367

Ion	Ratio	Lower	Upper
57	100		
41	100.5	74.8	112.2
43	182.7	161.5	242.3
56	60.2	44.4	66.6

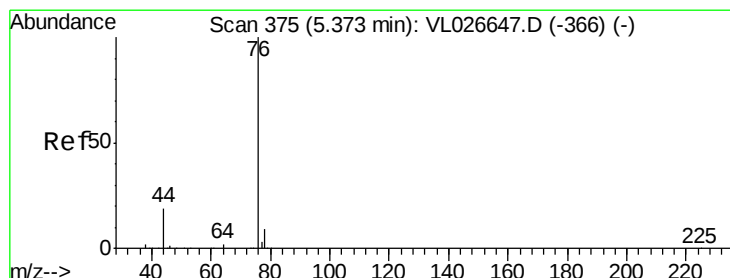
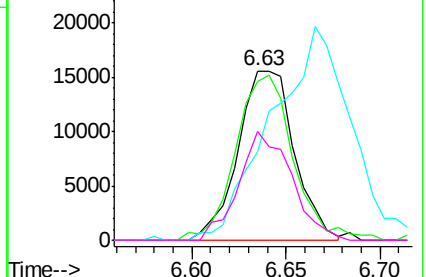
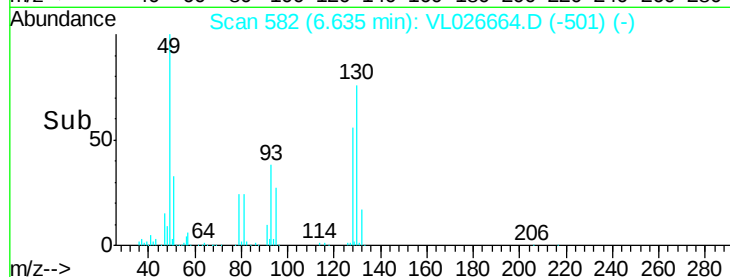


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.46 ppbv

RT: 5.38 min Scan# 376

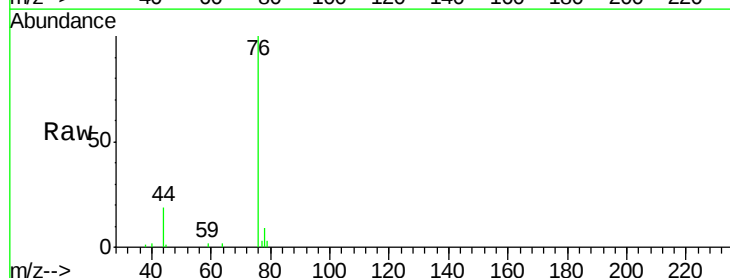
Delta R.T. 0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion: 76 Resp: 57218

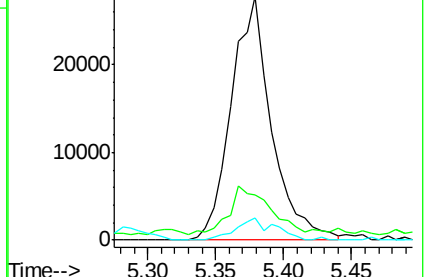
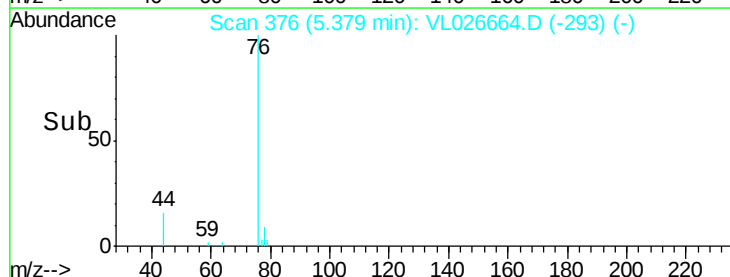
Ion	Ratio	Lower	Upper
76	100		
44	31.4	15.9	23.9#
78	8.9	7.6	11.4

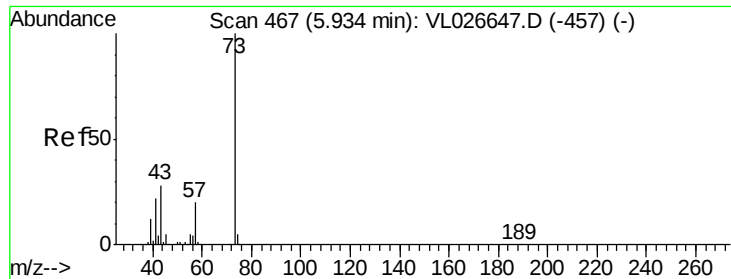


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



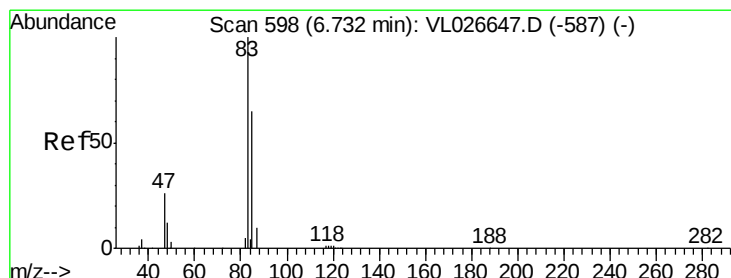
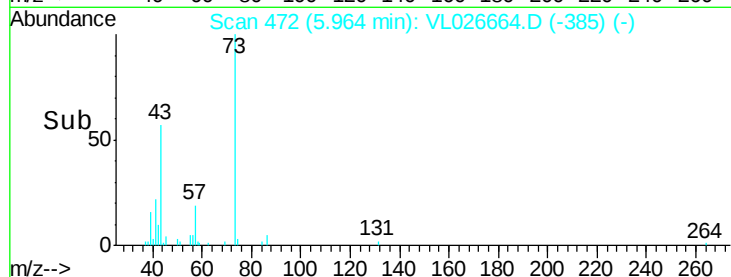
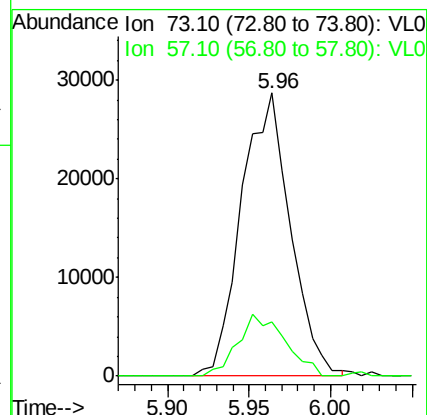
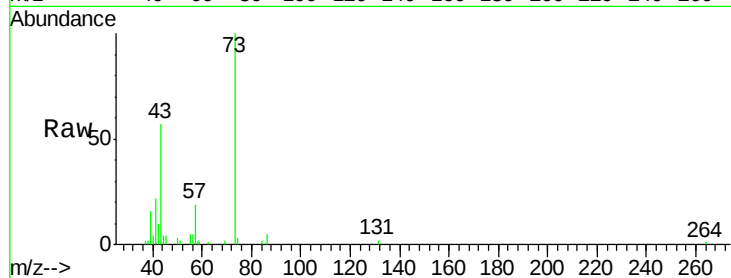


#28

Methvl tert-Butvl Ether
 Concen: 0.36 ppbv
 RT: 5.96 min Scan# 472
 Delta R.T. 0.03 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

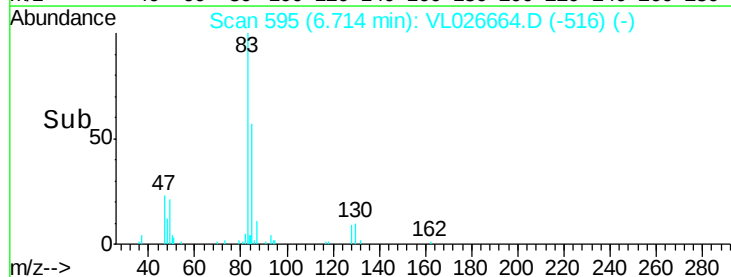
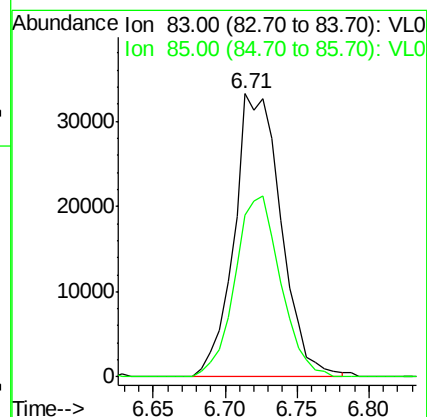
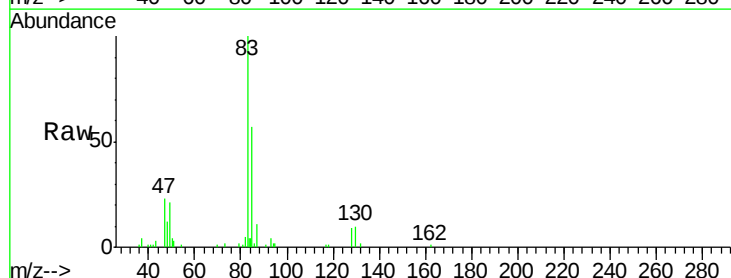
Tot Ion: 73 Resp: 59861
 Ion Ratio Lower Upper
 73 100
 57 21.5 16.2 24.4

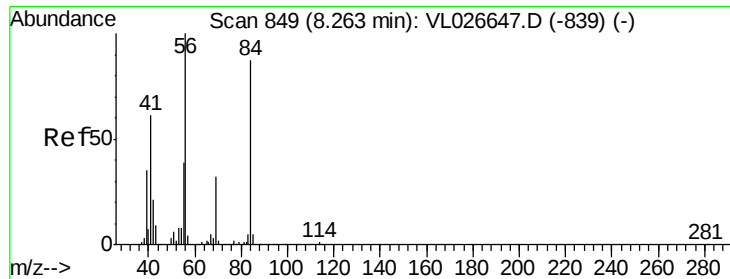


#29

Chloroform
 Concen: 0.50 ppbv
 RT: 6.71 min Scan# 595
 Delta R.T. -0.02 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion: 83 Resp: 75274
 Ion Ratio Lower Upper
 83 100
 85 57.0 51.6 77.4

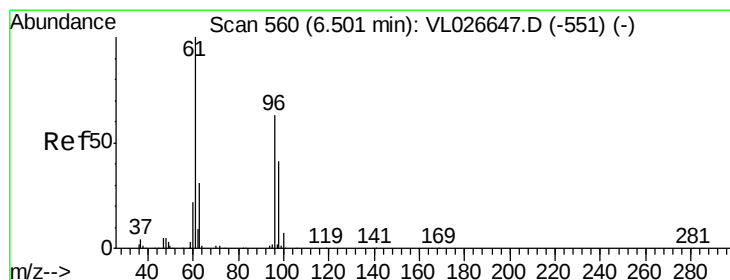
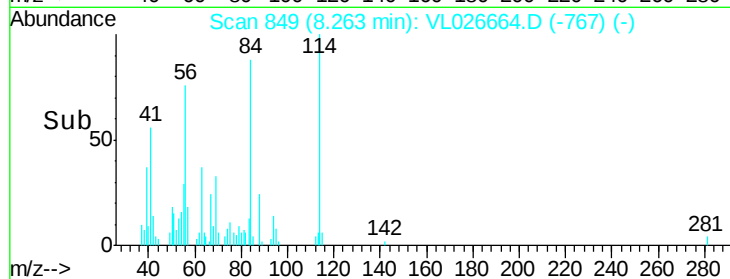
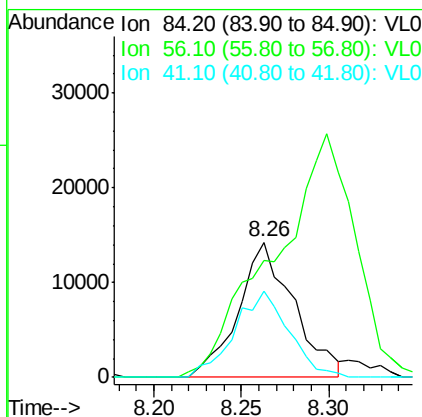
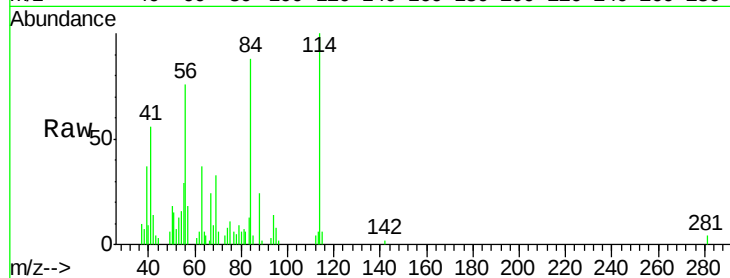




#30
Cvclohexane
Concen: 0.38 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

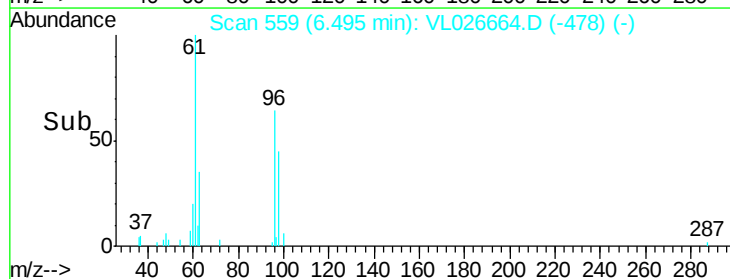
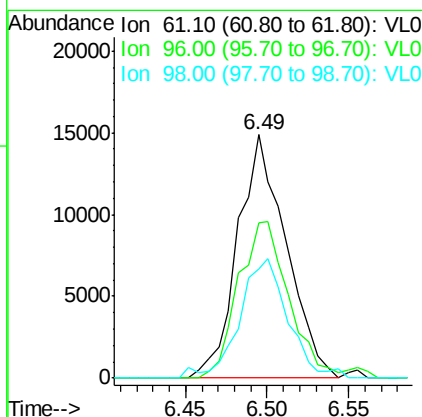
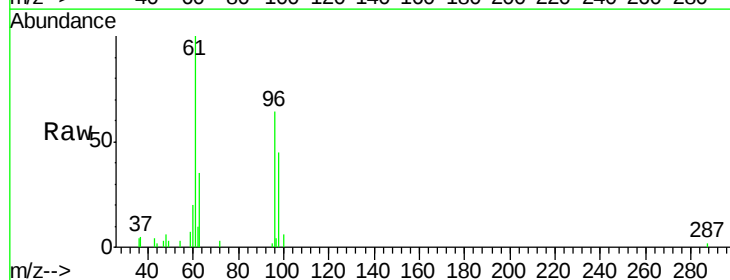
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

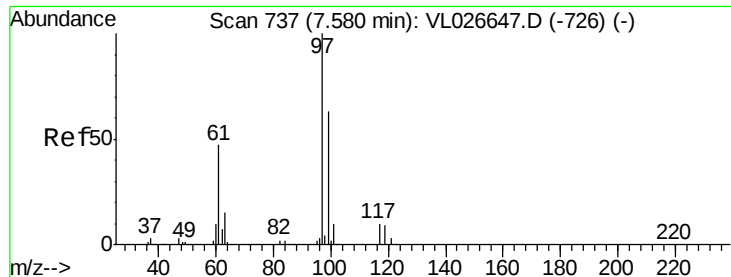
Tot Ion	84	Resp	31313
Ion Ratio	Lower	Upper	
84	100		
56	0.0	95.9	143.9#
41	62.6	54.8	82.2



#31
cis-1,2-Dichloroethene
Concen: 0.36 ppbv
RT: 6.49 min Scan# 559
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion	61	Resp	30647
Ion Ratio	Lower	Upper	
61	100		
96	63.6	50.2	75.4
98	40.8	32.4	48.6





#32

1,1,1-Trichloroethane

Concen: 0.46 ppbv

RT: 7.57 min Scan# 736

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

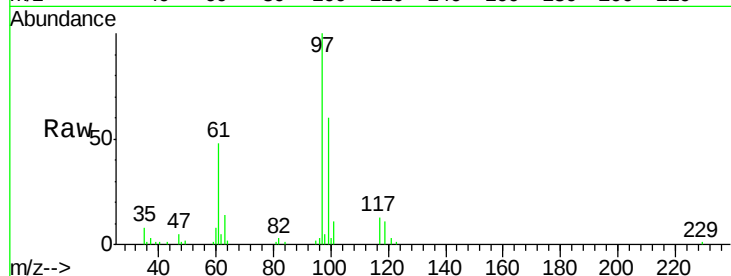
Tot Ion: 97 Resp: 78770

Ion Ratio Lower Upper

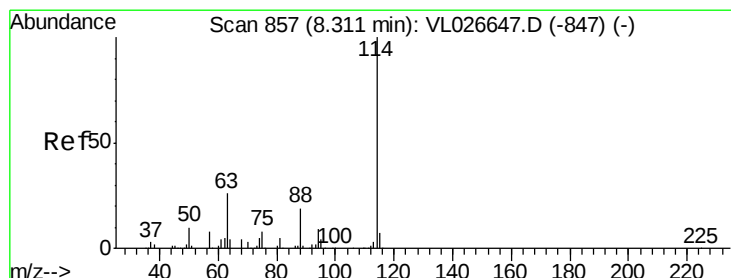
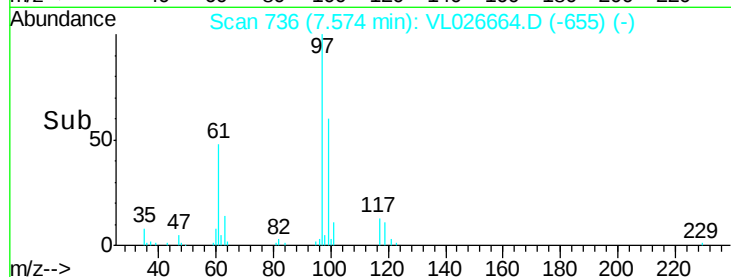
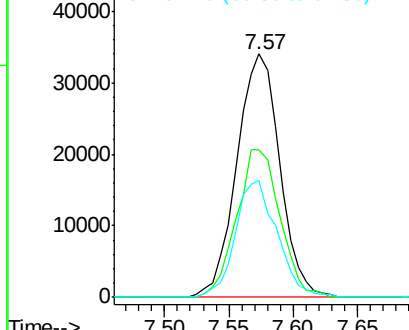
97 100

99 61.4 50.8 76.2

61 46.6 38.9 58.3



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



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.30 min Scan# 855

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

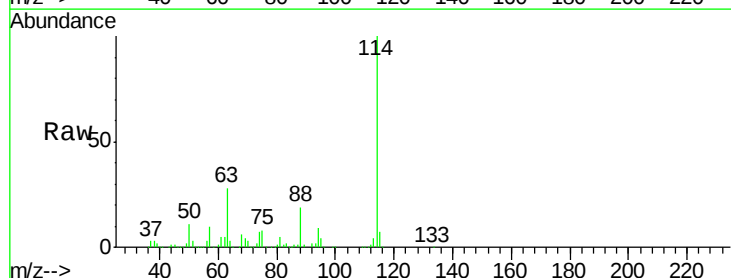
Tgt Ion: 114 Resp: 2070383

Ion Ratio Lower Upper

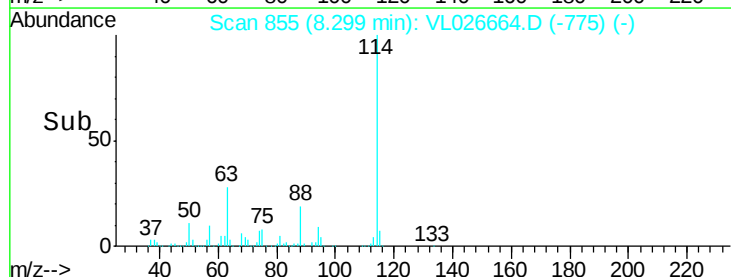
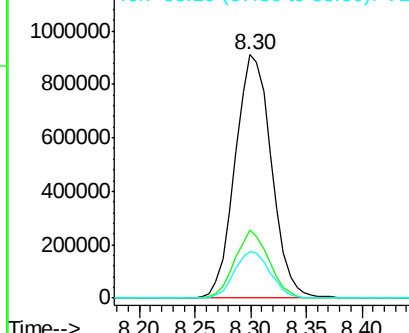
114 100

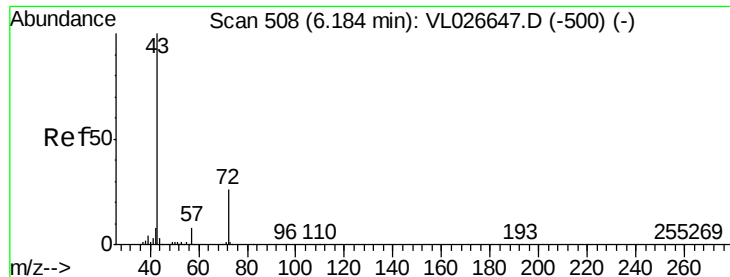
63 26.4 21.7 32.5

88 18.9 15.2 22.8



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

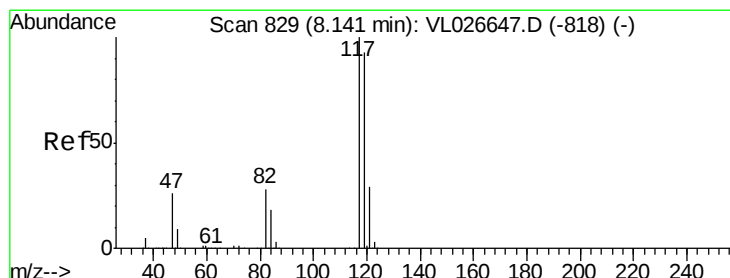
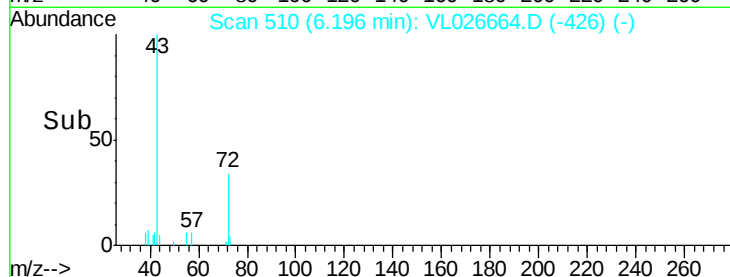
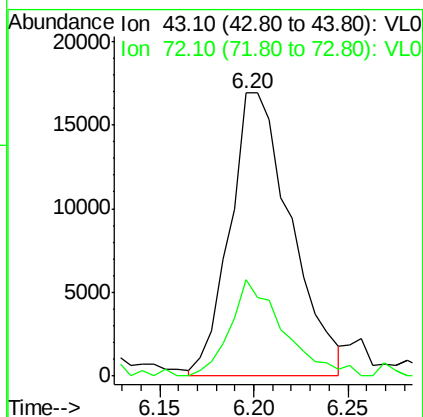
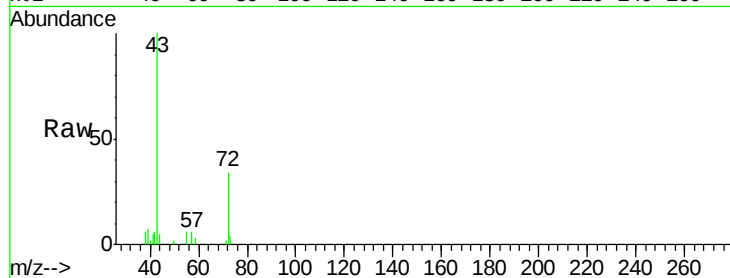




#34
2-Butanone
Concen: 0.34 ppbv
RT: 6.20 min Scan# 510
Delta R.T. 0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

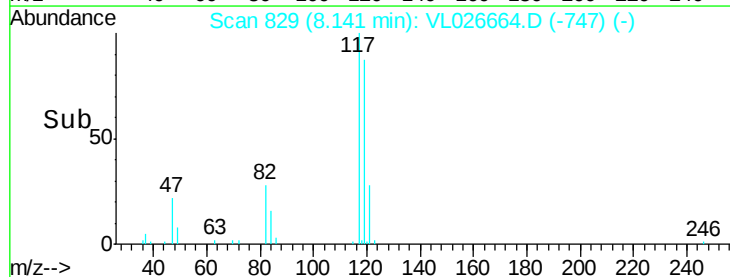
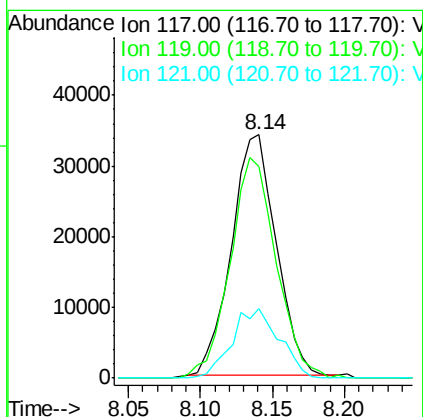
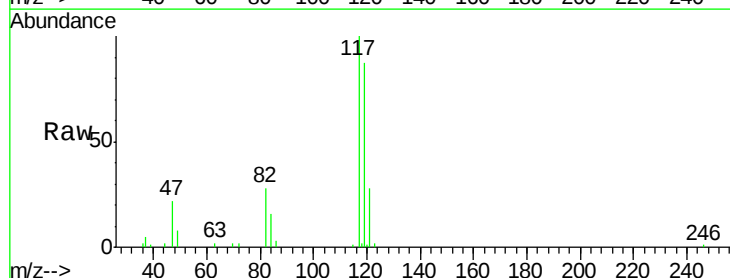
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

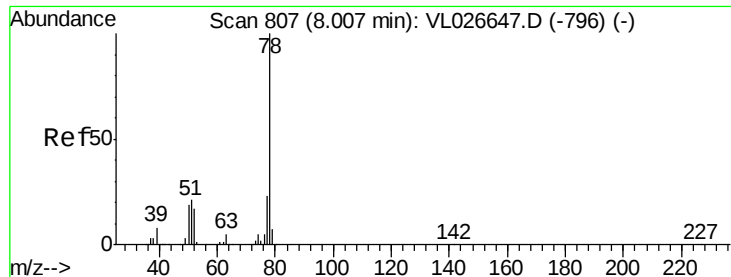
Tot Ion: 43 Resp: 38012
Ion Ratio Lower Upper
43 100
72 30.2 20.9 31.3



#35
Carbon Tetrachloride
Concen: 0.40 ppbv
RT: 8.14 min Scan# 829
Delta R.T. 0.00 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion: 117 Resp: 73538
Ion Ratio Lower Upper
117 100
119 86.6 74.7 112.1
121 28.7 23.1 34.7

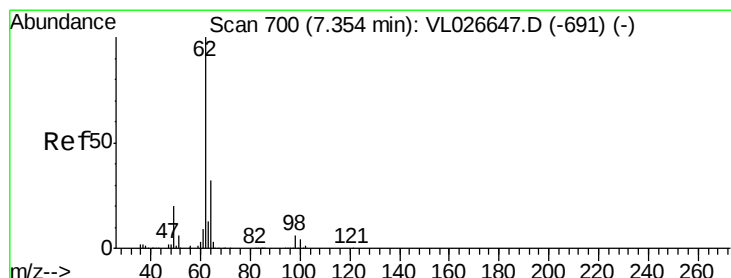
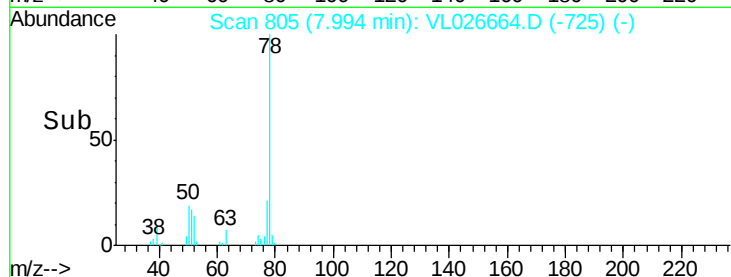
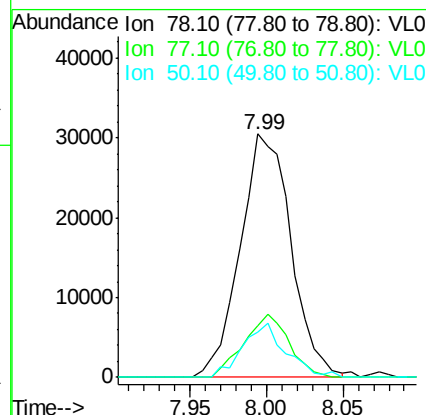
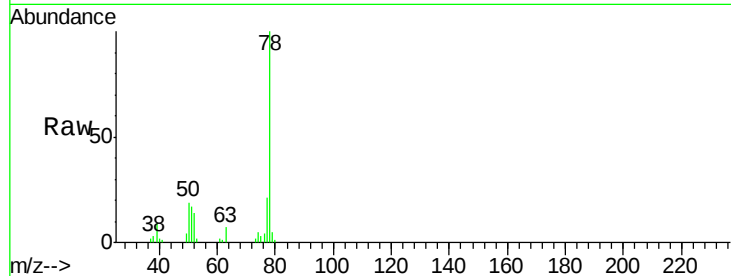




#36
Benzene
Concen: 0.33 ppbv
RT: 7.99 min Scan# 805
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

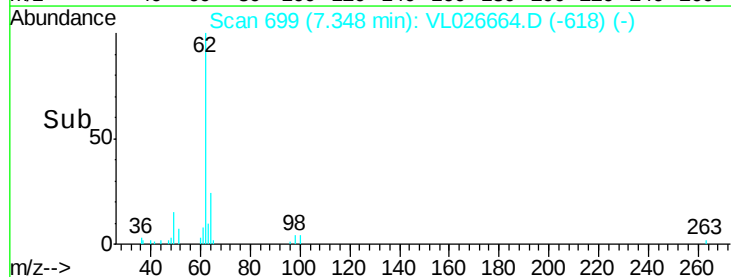
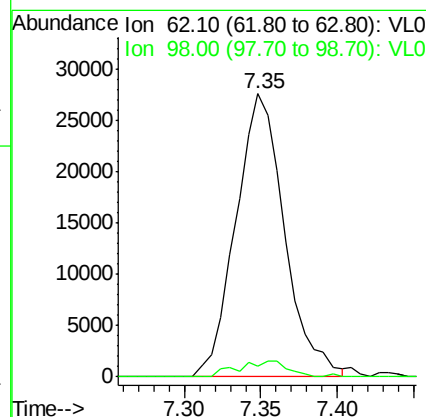
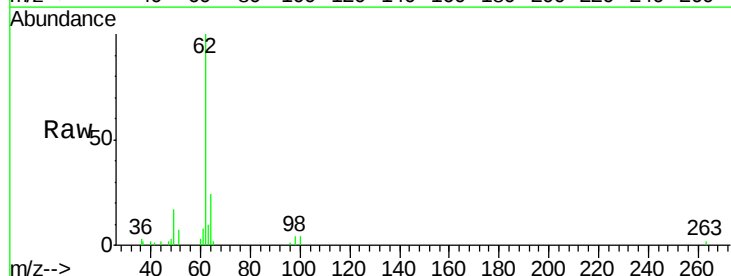
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

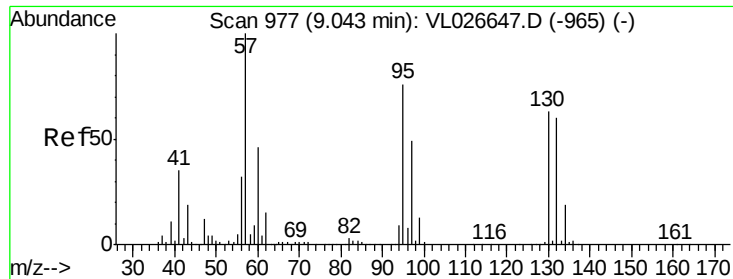
Tot Ion	78	Resp	70505
Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.5	27.7
50	18.5	15.4	23.2



#37
1,2-Dichloroethane
Concen: 0.42 ppbv
RT: 7.35 min Scan# 699
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion	62	Resp	61050
Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.8	7.2

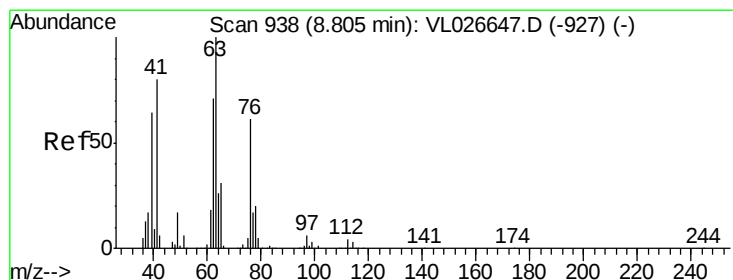
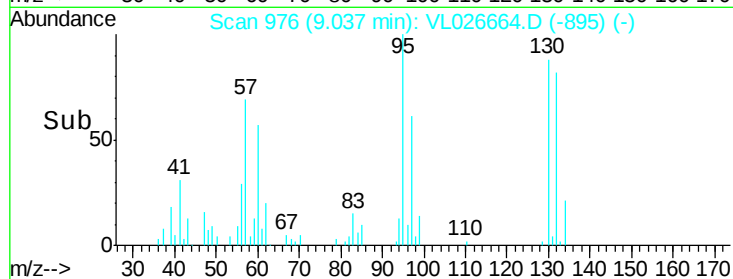
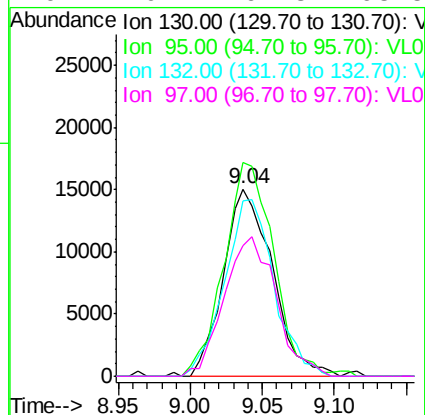
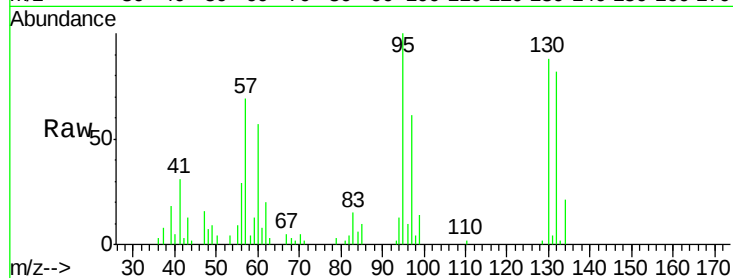




#38
 Trichloroethene
 Concen: 0.37 ppbv
 RT: 9.04 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

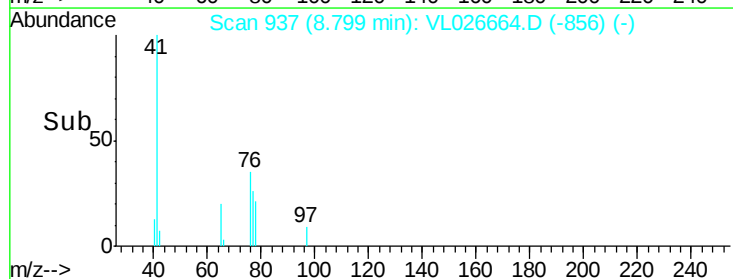
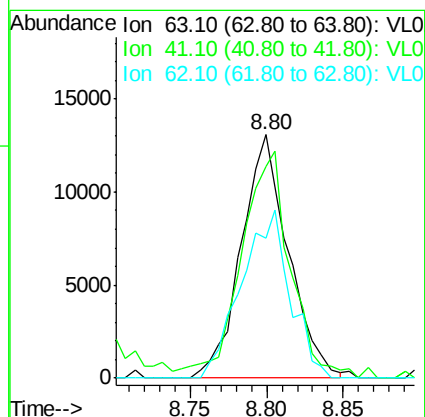
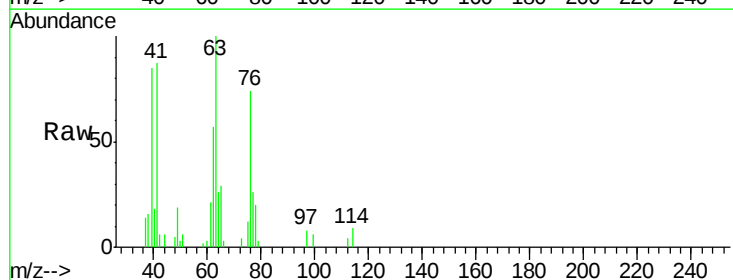
Instrument :
 MSVOA_L
 ClientSampleID :
 MDL-AIR-6

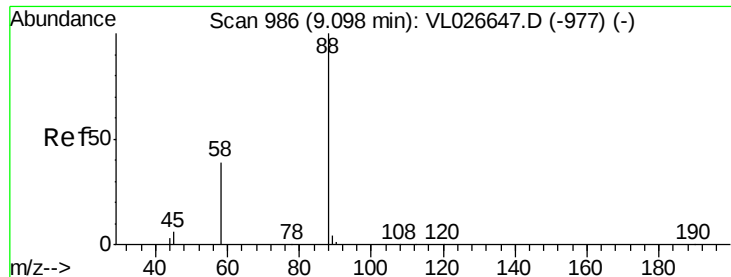
Tot Ion:130	Resp:	35637
Ion Ratio	Lower	Upper
130	100	
95	111.8	96.6 145.0
132	93.6	76.2 114.4
97	70.2	62.3 93.5



#39
 1,2-Dichloropropane
 Concen: 0.38 ppbv
 RT: 8.80 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion: 63	Resp:	27974
Ion Ratio	Lower	Upper
63	100	
41	83.6	64.1 96.1
62	57.5	56.6 84.8

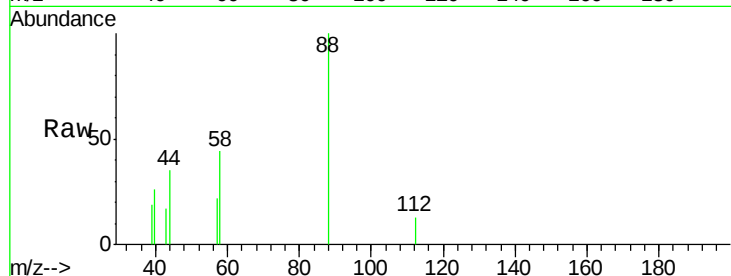




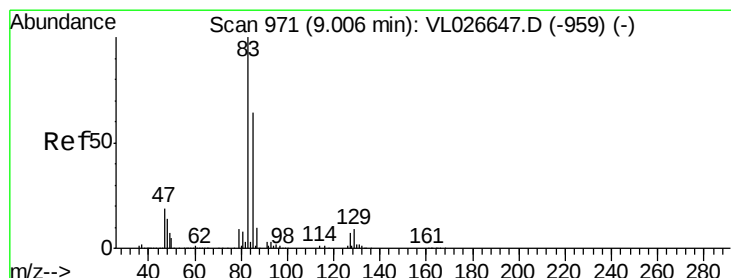
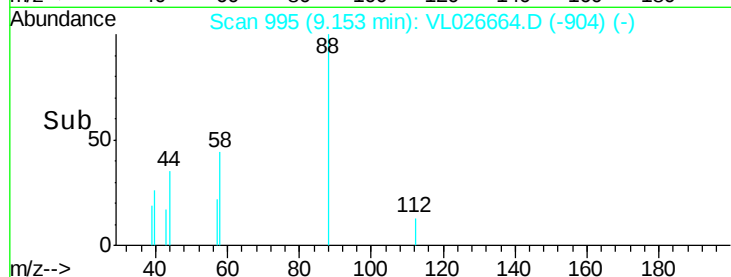
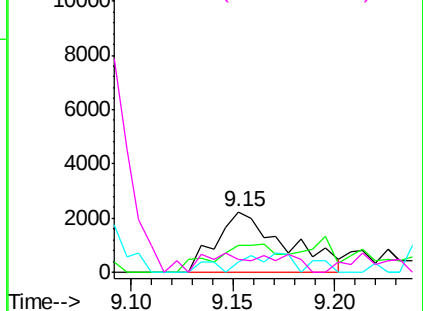
#40
1,4-Dioxane
Concen: 0.31 ppbv
RT: 9.15 min Scan# 995
Delta R.T. 0.05 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tot Ion: 88 Resp: 5179
Ion Ratio Lower Upper
88 100
58 0.0 109.4 164.2#
43 30.9 238.2 357.2#
57 0.0 1148.3 1722.5#

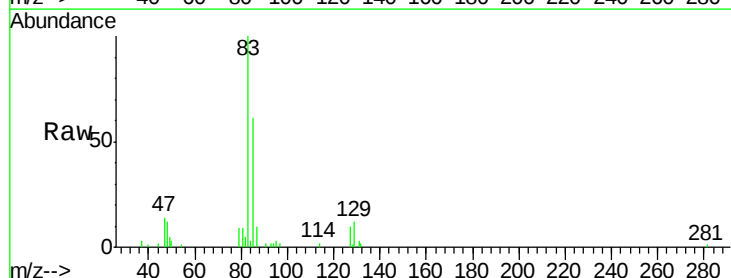


Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

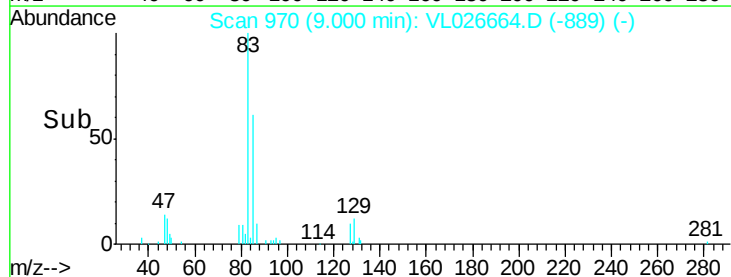
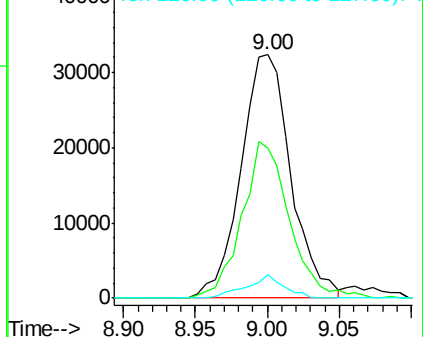


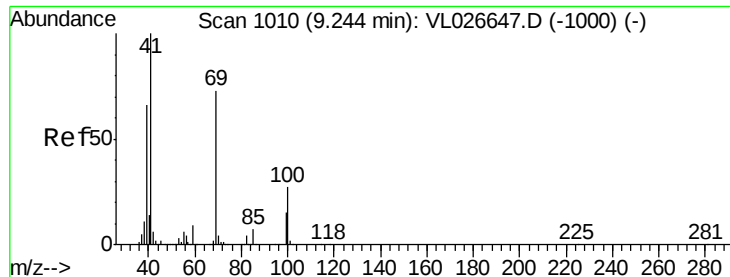
#42
Bromodichloromethane
Concen: 0.41 ppbv
RT: 9.00 min Scan# 970
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion: 83 Resp: 77728
Ion Ratio Lower Upper
83 100
85 61.5 50.9 76.3
127 9.8 5.5 8.3#



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

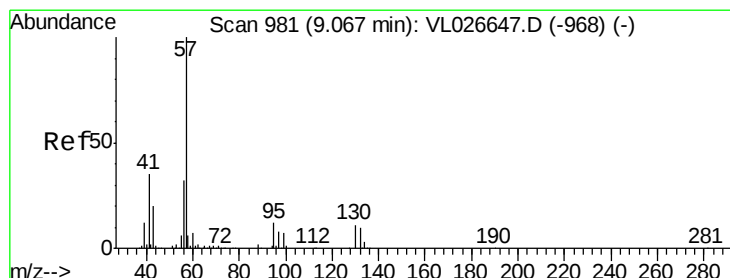
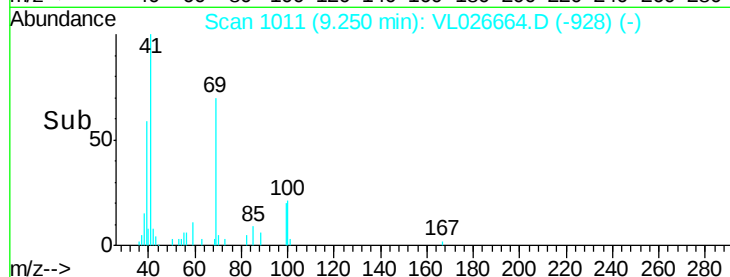
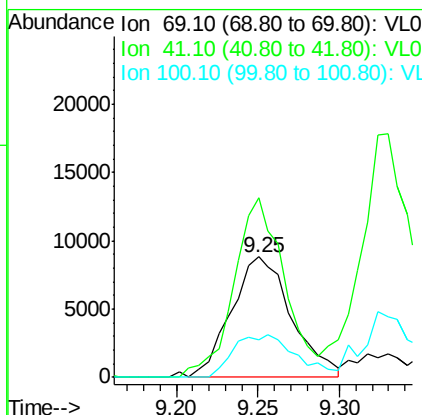
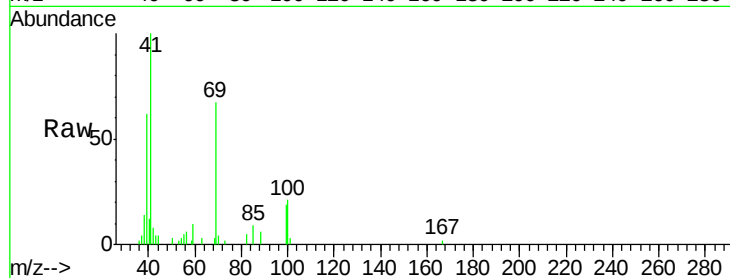




#43
Methvl Methacrilate
Concen: 0.29 ppbv
RT: 9.25 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

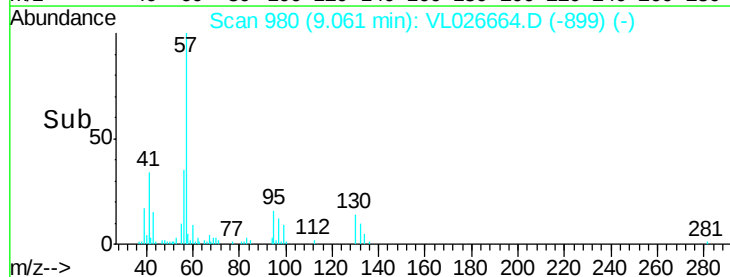
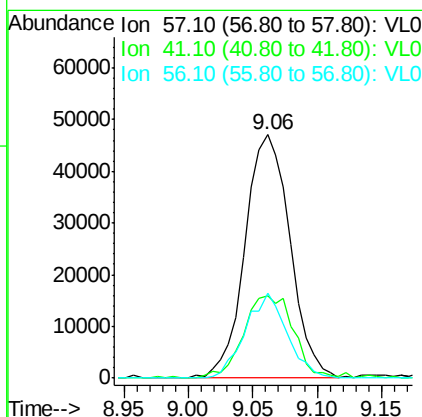
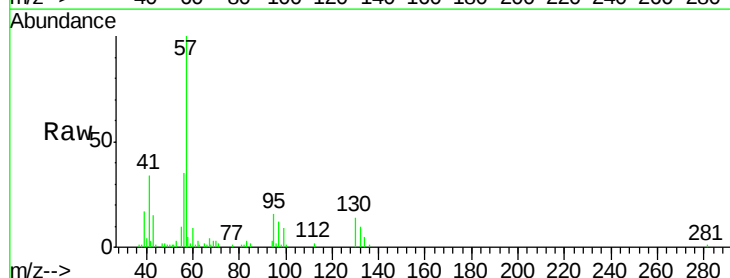
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

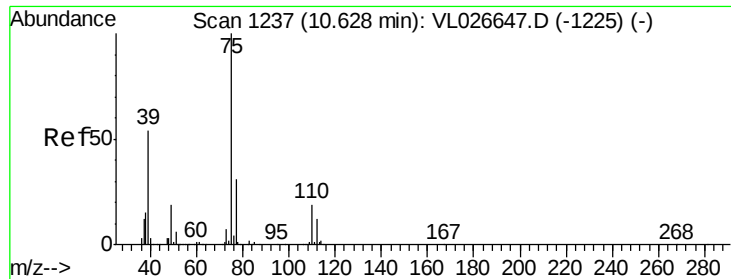
Tot Ion: 69 Resp: 22631
Ion Ratio Lower Upper
69 100
41 121.9 106.1 159.1
100 37.0 29.0 43.4



#44
2,2,4-Trimethylpentane
Concen: 0.33 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion: 57 Resp: 113979
Ion Ratio Lower Upper
57 100
41 38.7 26.9 40.3
56 32.3 25.4 38.0

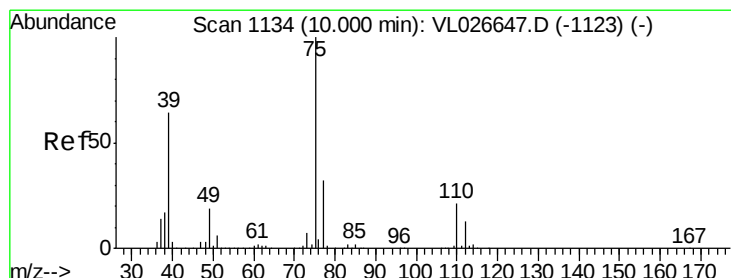
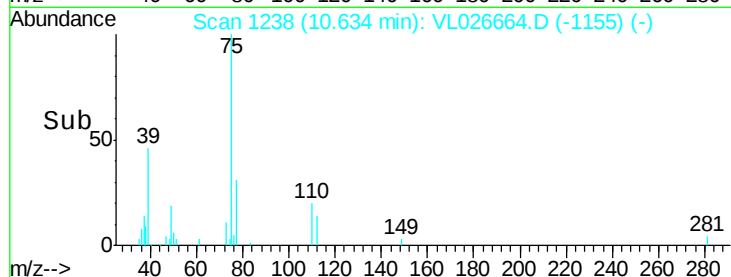
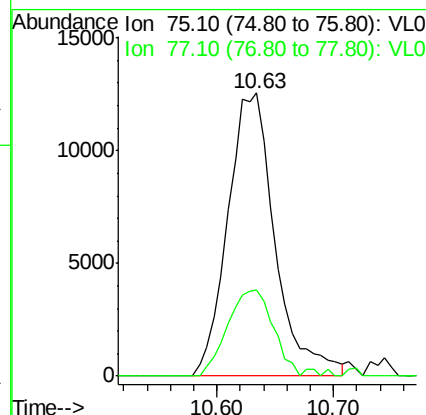
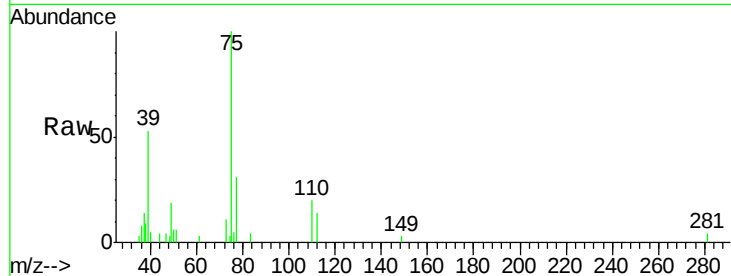




#45
 t-1,3-Dichloropropene
 Concen: 0.28 ppbv
 RT: 10.63 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

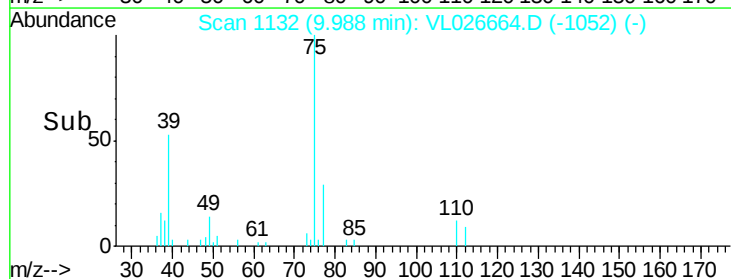
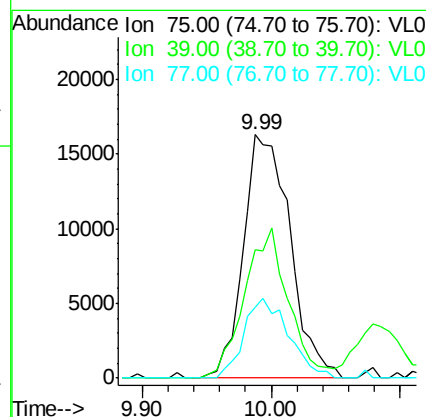
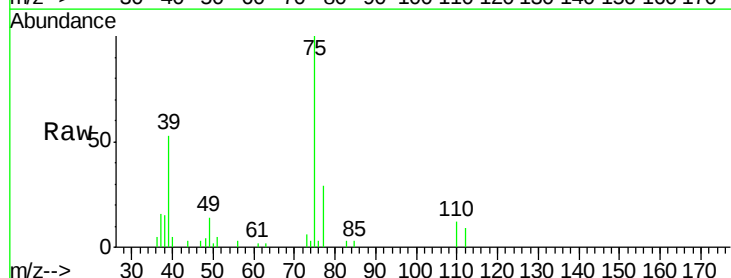
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

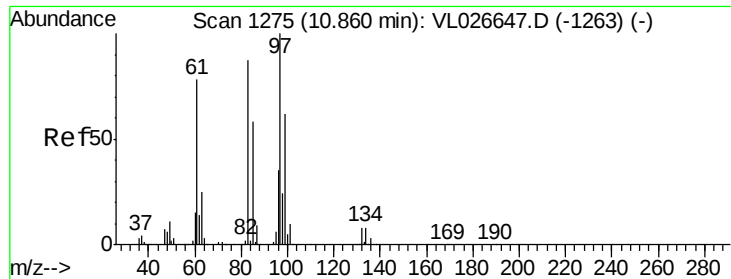
Tot Ion: 75 Resp: 35432
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 0.29 ppbv
 RT: 9.99 min Scan# 1132
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion: 75 Resp: 40853
 Ion Ratio Lower Upper
 75 100
 39 52.6 51.2 76.8
 77 29.0 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 0.40 ppbv

RT: 10.85 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

Tot Ion: 97 Resp: 42199

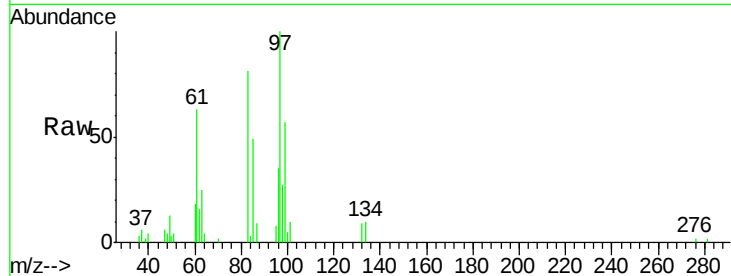
Ion Ratio Lower Upper

97 100

83 81.4 69.5 104.3

85 48.7 46.4 69.6

99 56.9 49.9 74.9

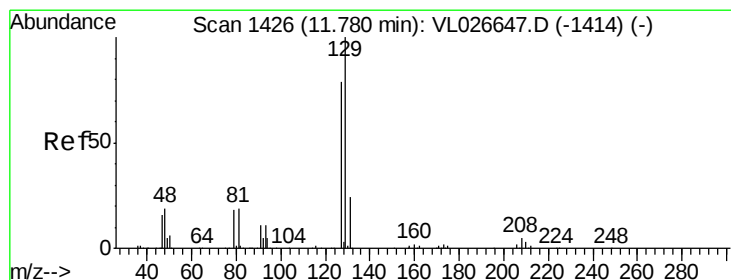
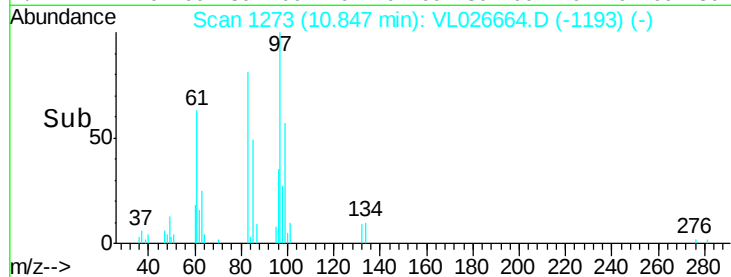
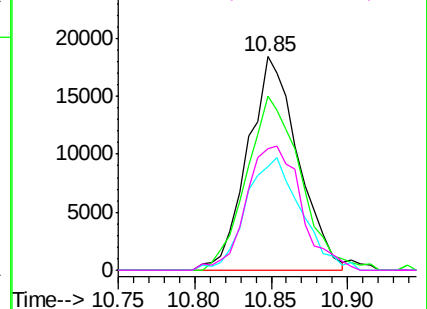


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.40 ppbv

RT: 11.77 min Scan# 1424

Delta R.T. -0.01 min

Lab File: VL026664.D

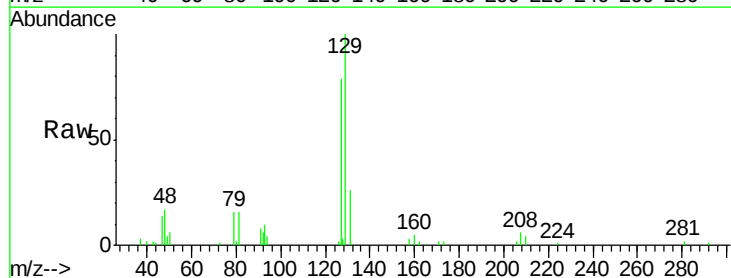
Acq: 9 Jan 2016 7:03

Tgt Ion: 129 Resp: 63599

Ion Ratio Lower Upper

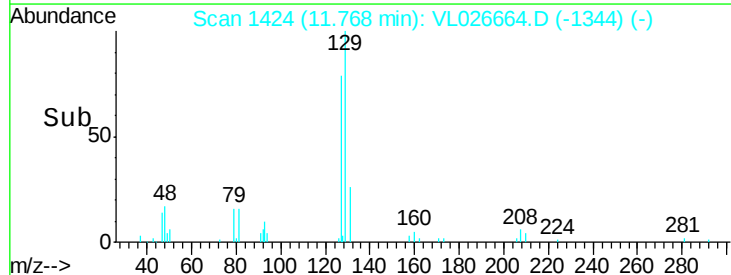
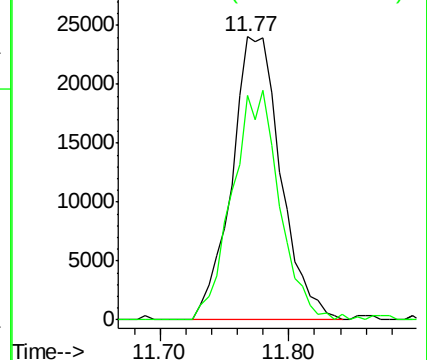
129 100

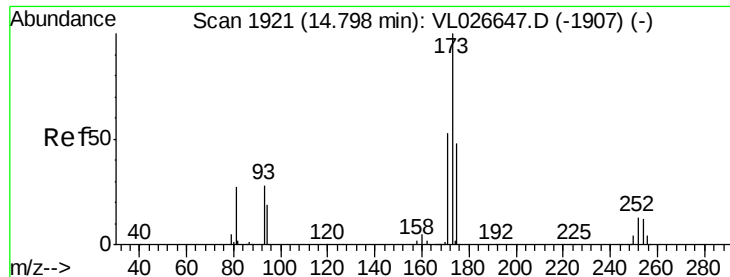
127 78.7 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.41 ppbv

RT: 14.79 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

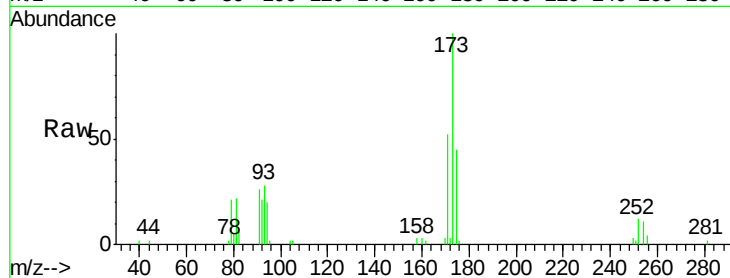
Tot Ion:173 Resp: 53210

Ion Ratio Lower Upper

173 100

175 49.1 38.6 58.0

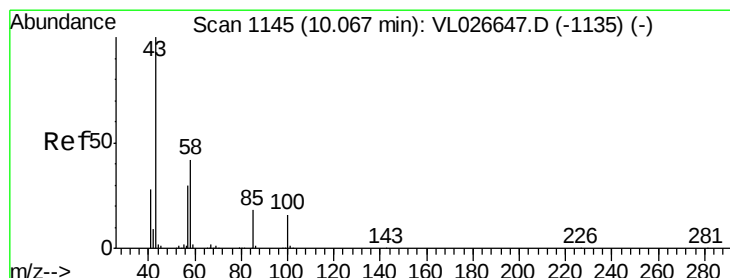
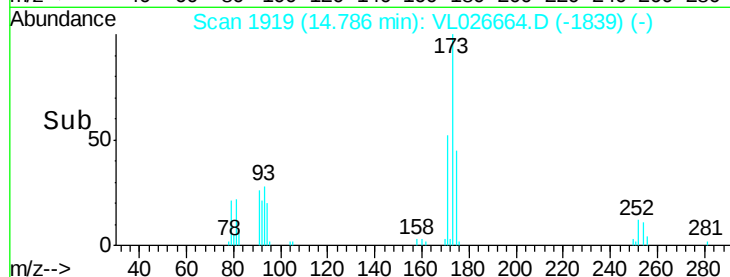
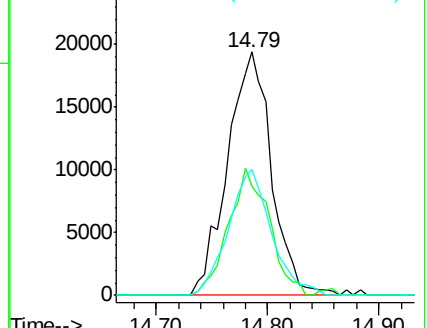
171 50.8 41.5 62.3



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: 0.29 ppbv

RT: 10.08 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VL026664.D

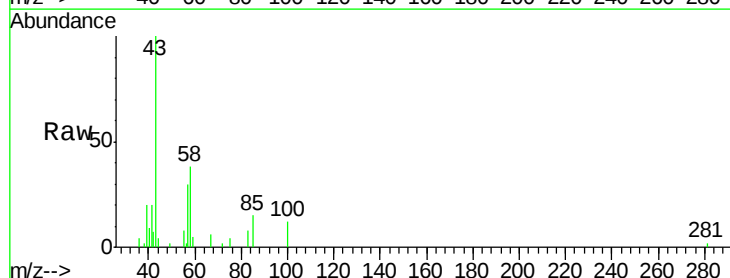
Acq: 9 Jan 2016 7:03

Tgt Ion: 43 Resp: 44495

Ion Ratio Lower Upper

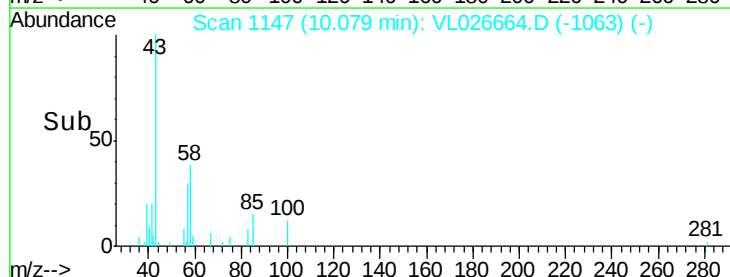
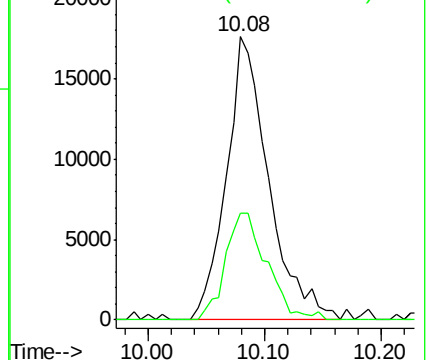
43 100

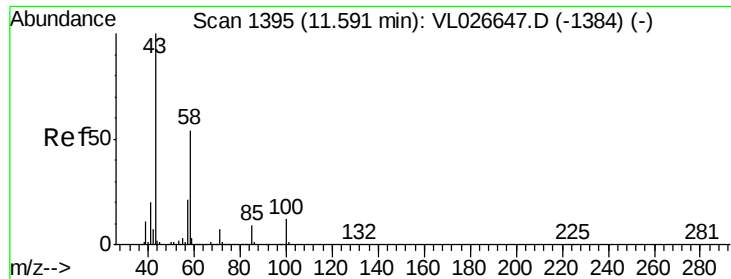
58 37.0 32.4 48.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

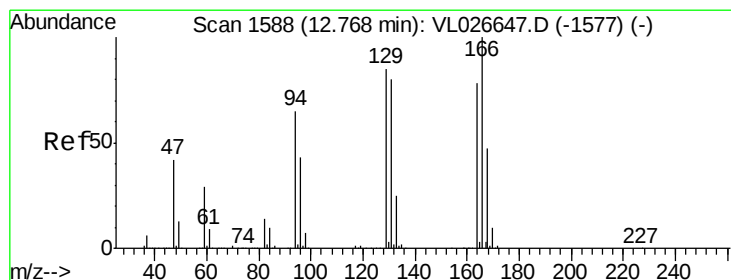
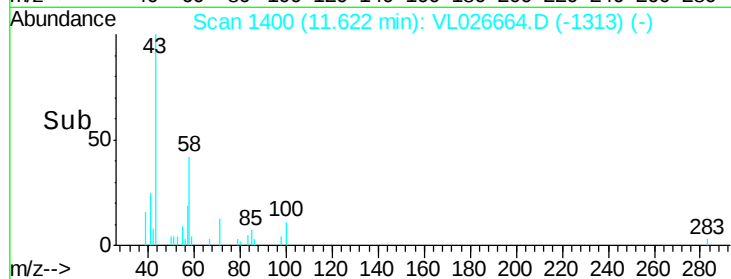
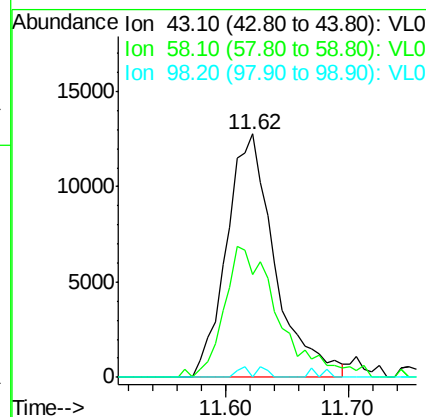
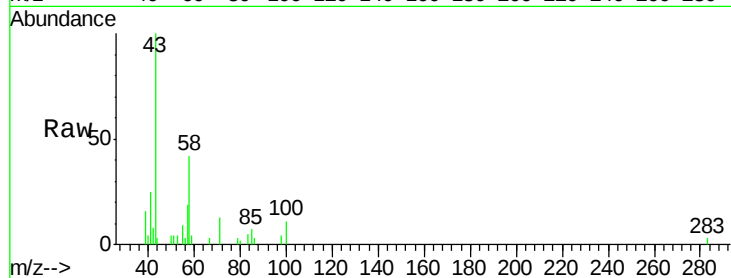




#51
2-Hexanone
Concen: 0.24 ppbv
RT: 11.62 min Scan# 1400
Delta R.T. 0.03 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

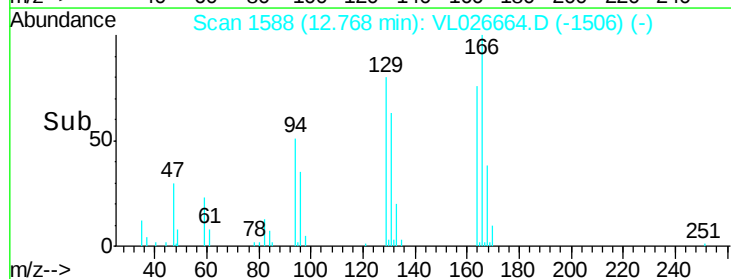
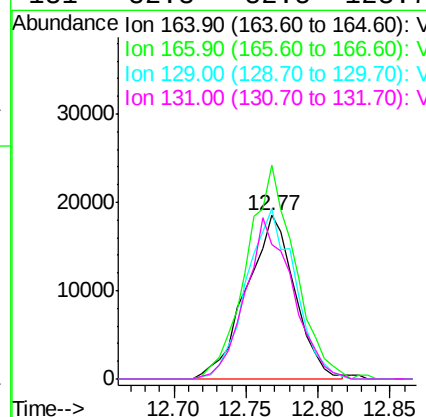
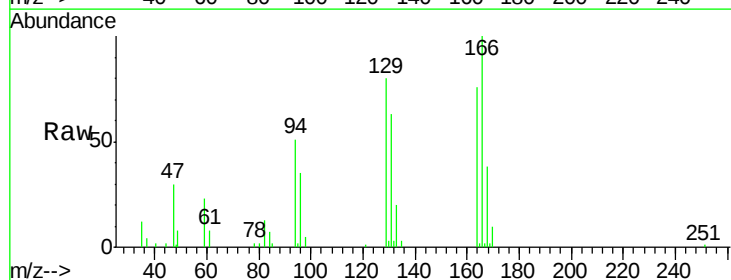
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

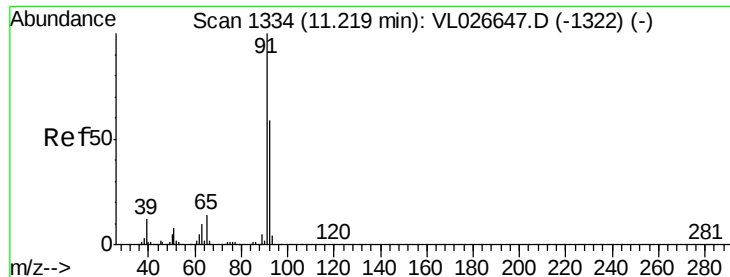
Tot Ion: 43 Resp: 35005
Ion Ratio Lower Upper
43 100
58 61.4 44.9 67.3
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.41 ppbv
RT: 12.77 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion:164 Resp: 43325
Ion Ratio Lower Upper
164 100
166 130.8 102.5 153.7
129 104.6 87.0 130.6
131 82.3 82.5 123.7#





#53

Toluene

Concen: 0.31 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

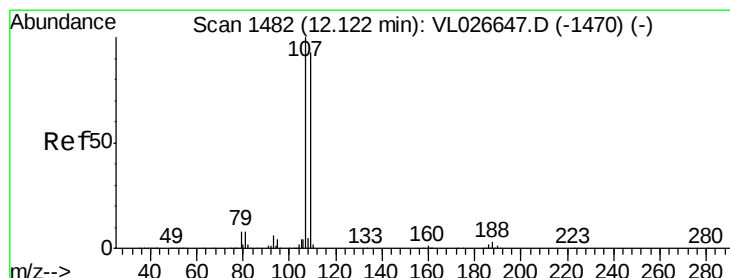
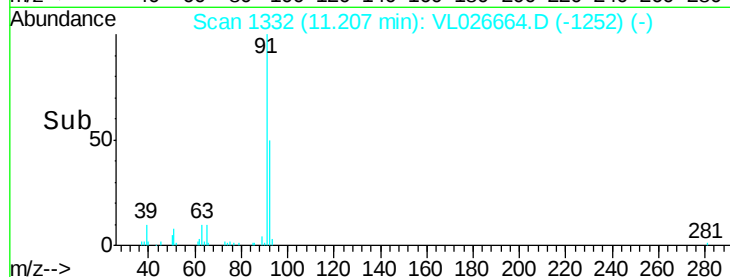
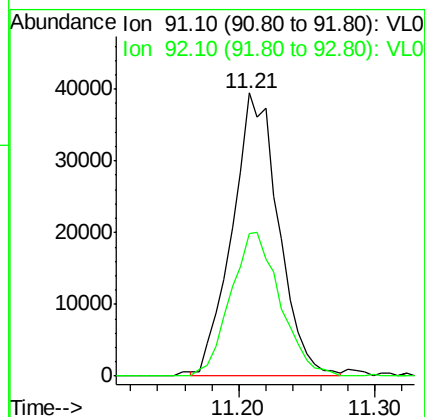
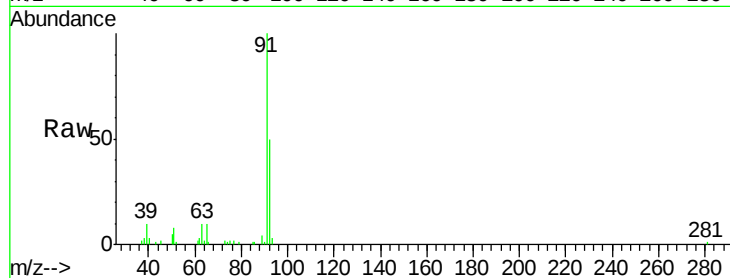
MDL-AIR-6

Tot Ion: 91 Resp: 94009

Ion Ratio Lower Upper

91 100

92 54.3 48.2 72.4



#54

1,2-Dibromoethane

Concen: 0.43 ppbv

RT: 12.12 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VL026664.D

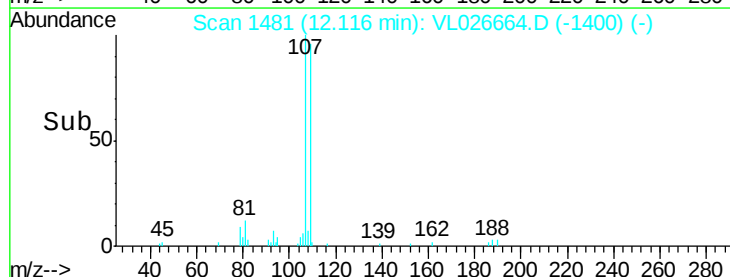
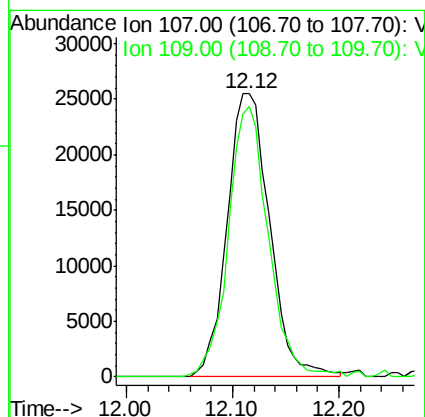
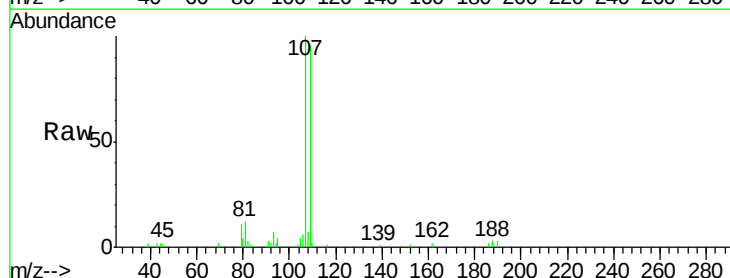
Acq: 9 Jan 2016 7:03

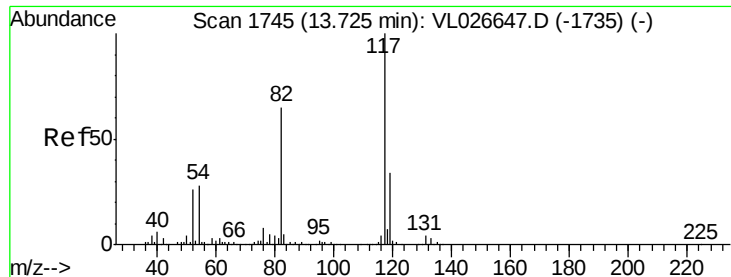
Tgt Ion: 107 Resp: 71369

Ion Ratio Lower Upper

107 100

109 94.3 74.1 111.1

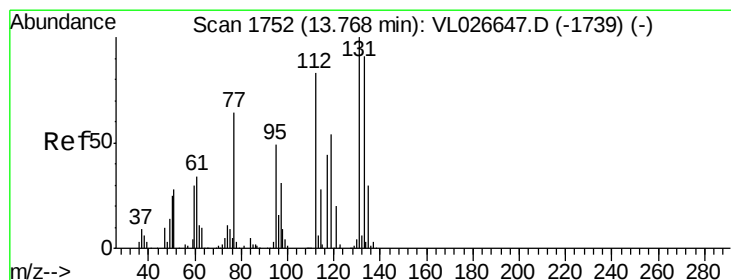
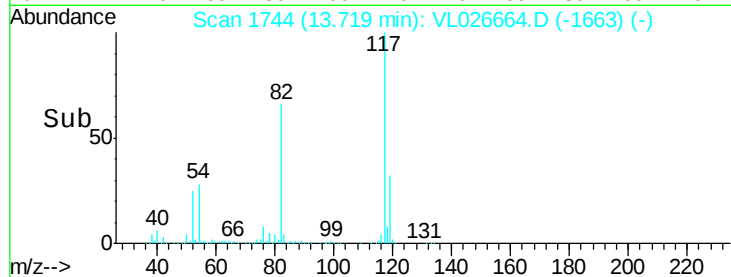
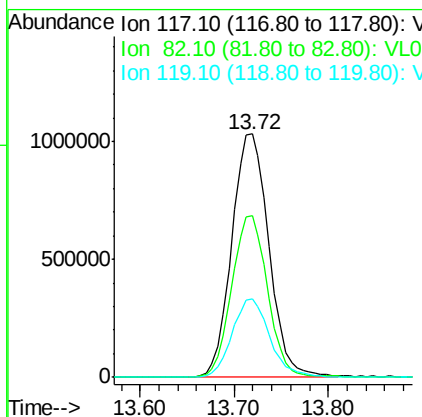
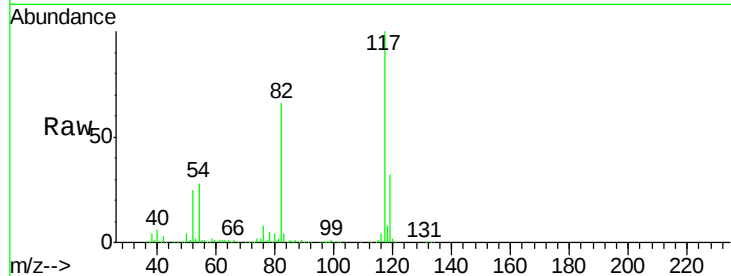




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.72 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

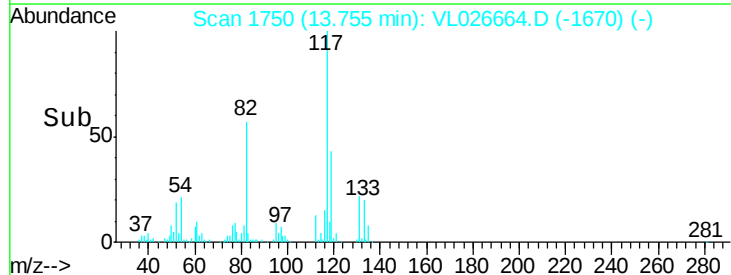
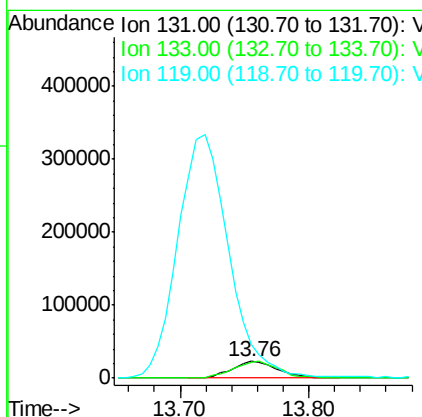
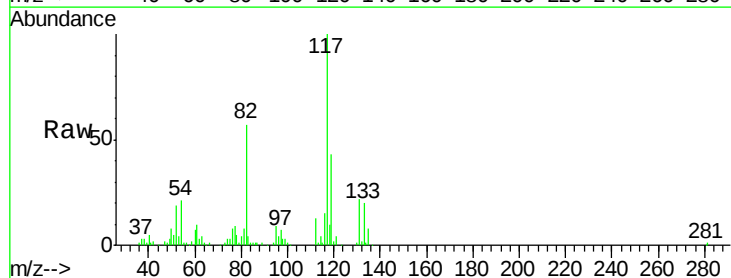
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

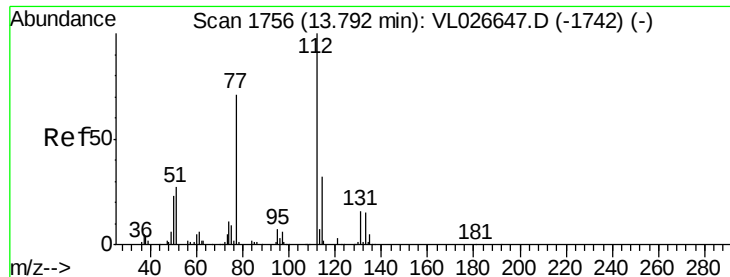
Tot Ion:117 Resp: 2839007
Ion Ratio Lower Upper
117 100
82 64.7 49.7 74.5
119 32.8 43.8 65.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.44 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion:131 Resp: 57670
Ion Ratio Lower Upper
131 100
133 100.0 76.2 114.4
119 1612.5 104.3 156.5#

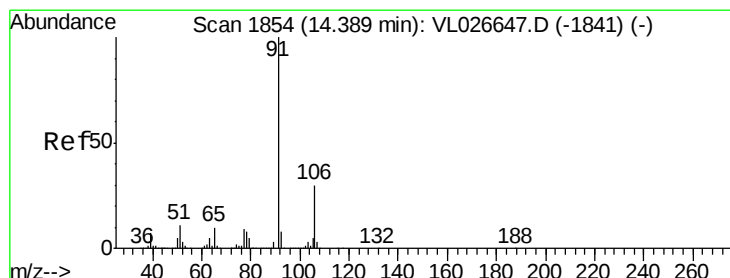
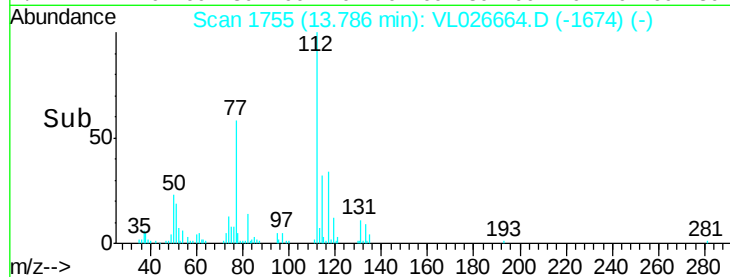
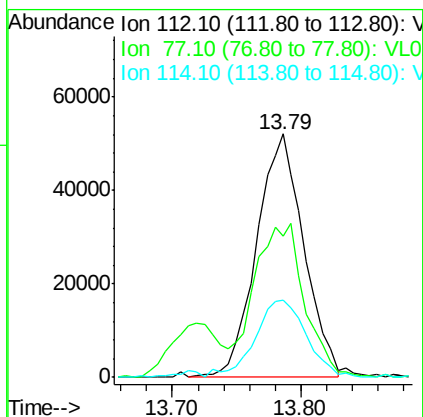
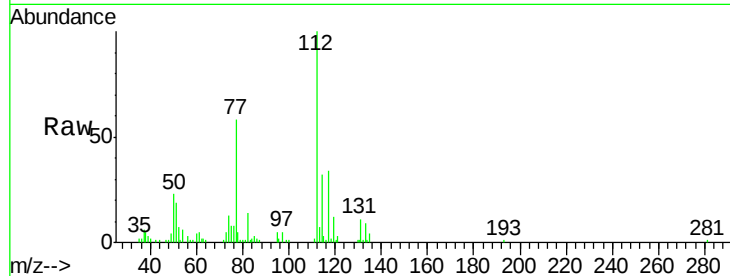




#57
Chlorobenzene
Concen: 0.45 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

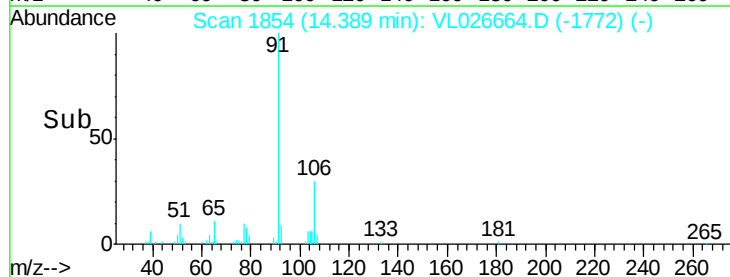
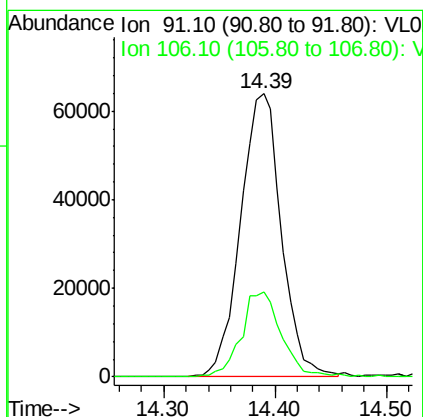
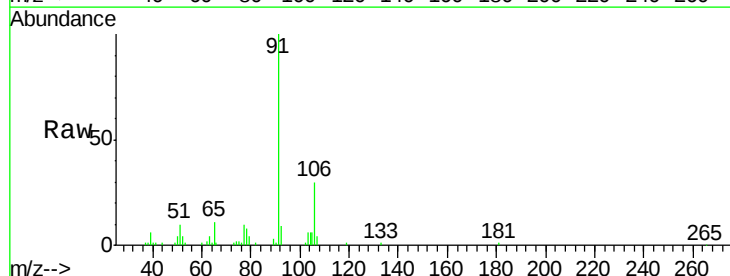
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

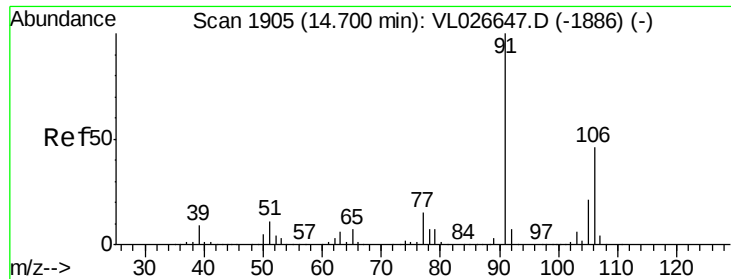
Tot Ion:112 Resp: 132241
Ion Ratio Lower Upper
112 100
77 56.5 56.9 85.3#
114 30.6 28.8 35.2



#58
Ethyl Benzene
Concen: 0.32 ppbv
RT: 14.39 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion: 91 Resp: 162577
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.6

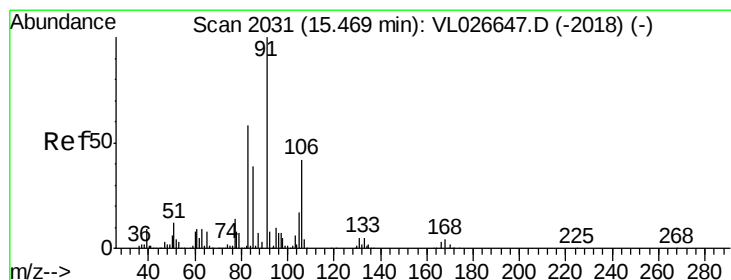
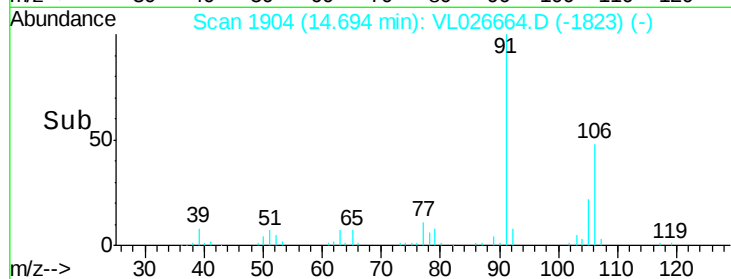
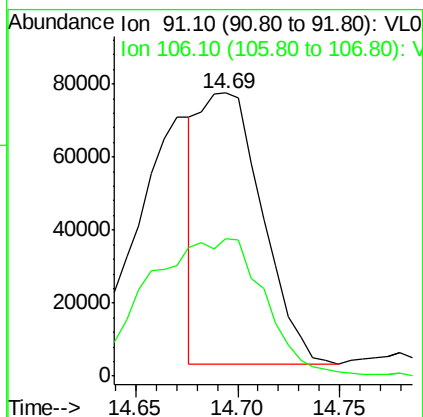
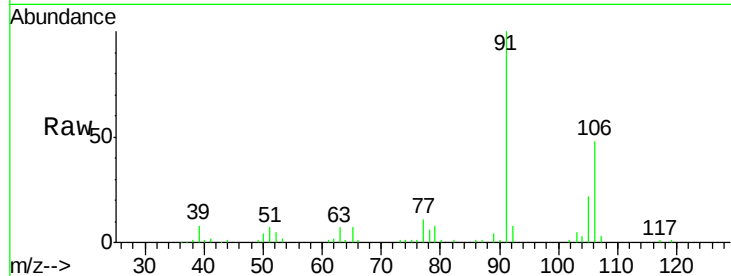




#59
m/p-Xylene
Concen: 0.38 ppbv
RT: 14.69 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

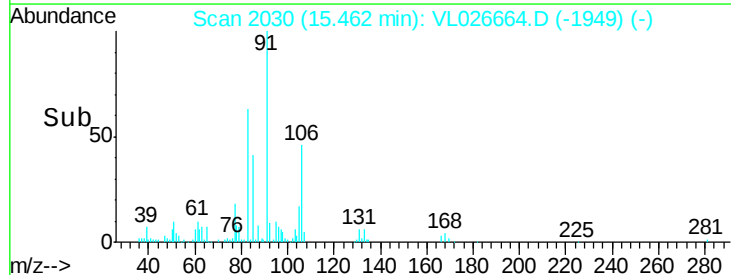
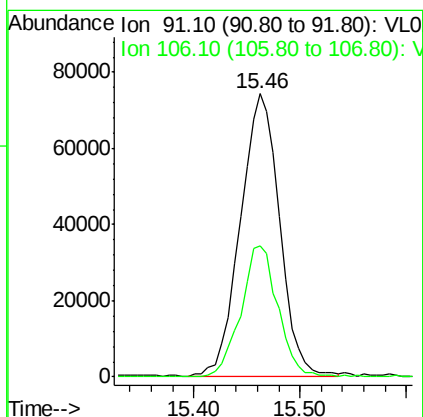
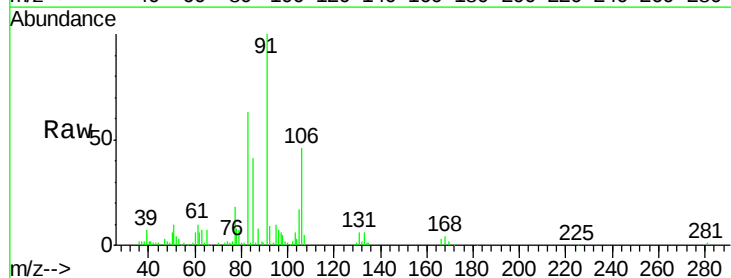
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

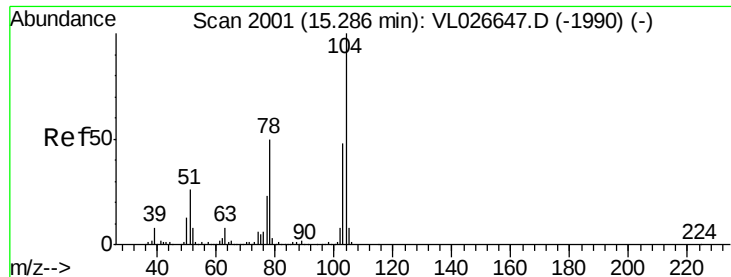
Tot Ion: 91 Resp: 158668
Ion Ratio Lower Upper
91 100
106 97.0 36.6 55.0#



#60
o-Xylene
Concen: 0.43 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion: 91 Resp: 192609
Ion Ratio Lower Upper
91 100
106 43.6 21.5 64.5

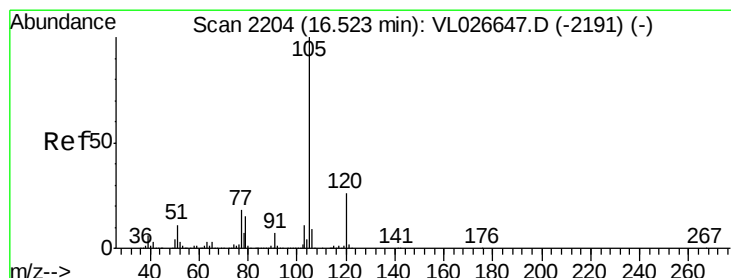
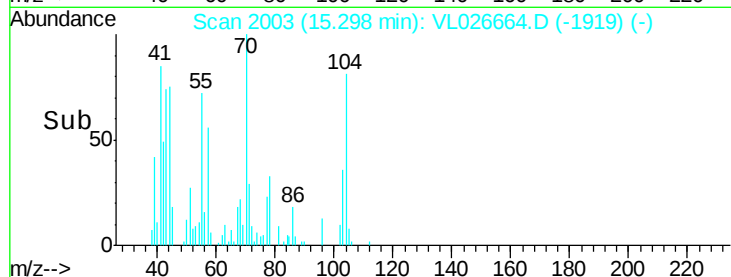
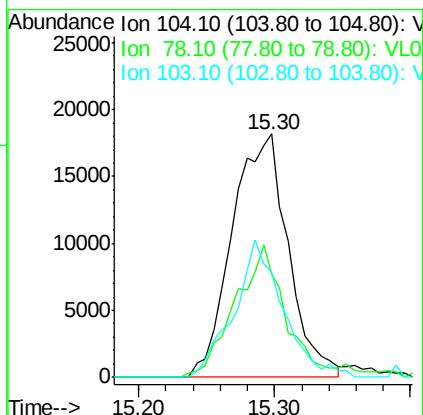
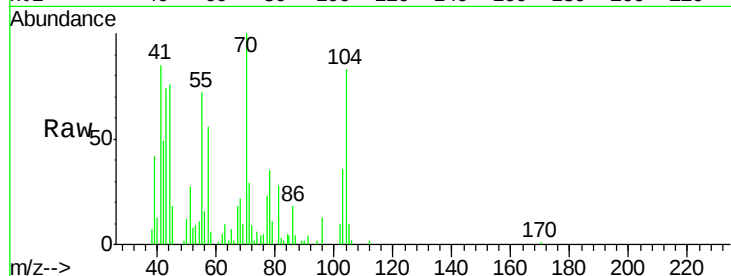




#61
Stvrene
Concen: 0.30 ppbv
RT: 15.30 min Scan# 2003
Delta R.T. 0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

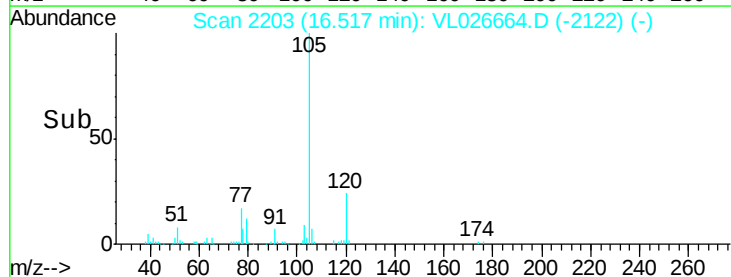
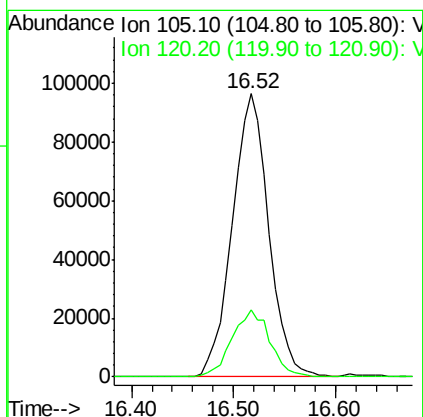
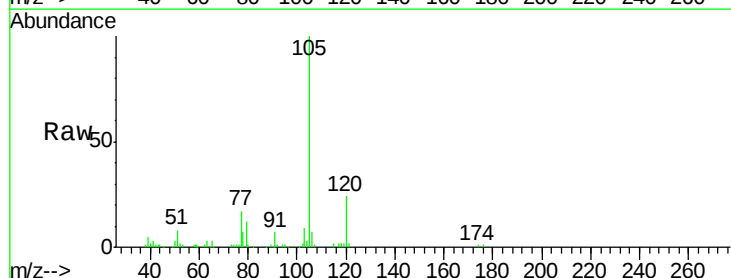
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

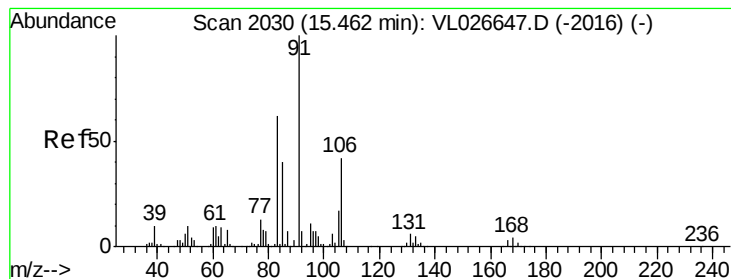
Tot Ion:104 Resp: 52288
Ion Ratio Lower Upper
104 100
78 51.5 39.6 59.4
103 49.3 37.8 56.6



#62
Isopropylbenzene
Concen: 0.40 ppbv
RT: 16.52 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion:105 Resp: 238747
Ion Ratio Lower Upper
105 100
120 24.6 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.45 ppbv

RT: 15.45 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

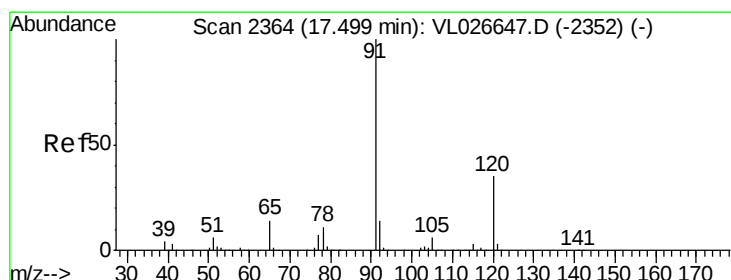
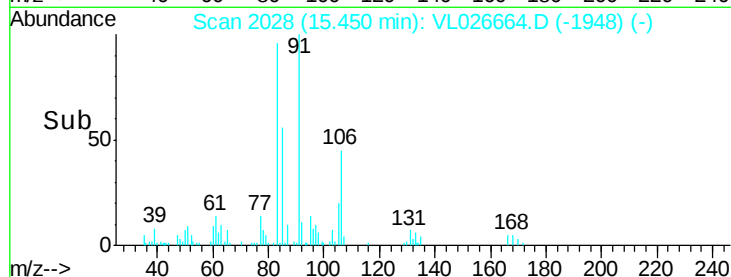
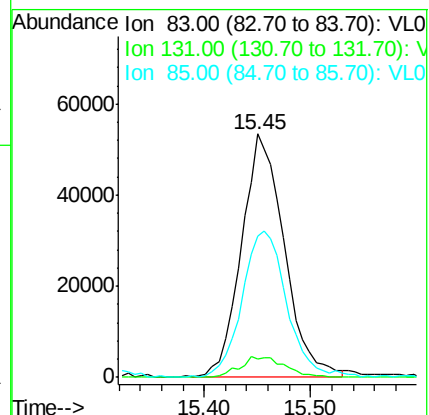
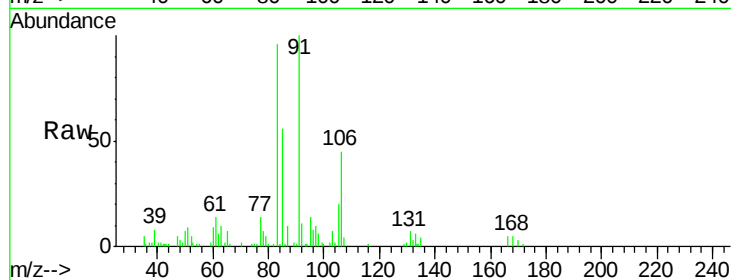
Tot Ion: 83 Resp: 150938

Ion Ratio Lower Upper

83 100

131 8.7 4.5 13.4

85 62.9 32.6 97.7



#64

n-propylbenzene

Concen: 0.41 ppbv

RT: 17.49 min Scan# 2362

Delta R.T. -0.01 min

Lab File: VL026664.D

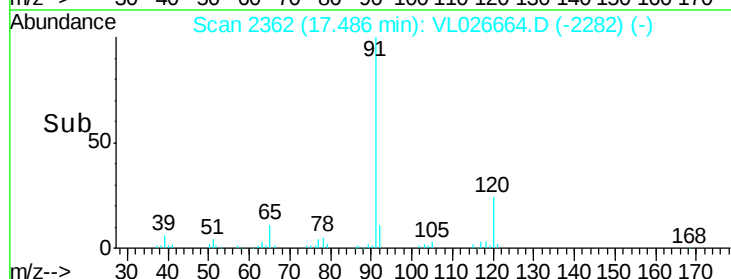
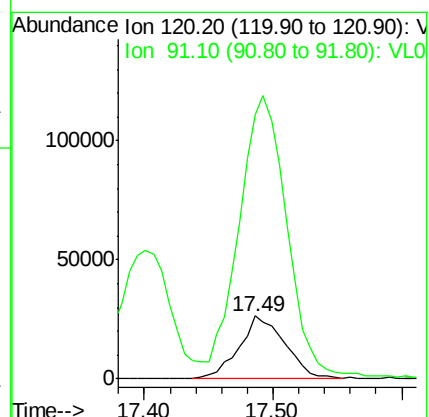
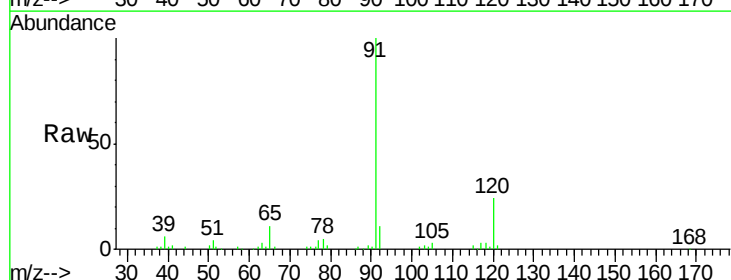
Acq: 9 Jan 2016 7:03

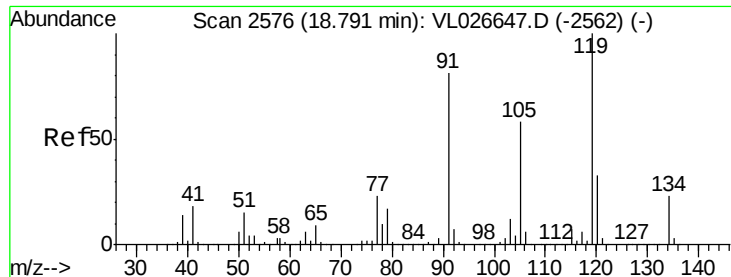
Tgt Ion:120 Resp: 65259

Ion Ratio Lower Upper

120 100

91 475.3 375.8 563.6

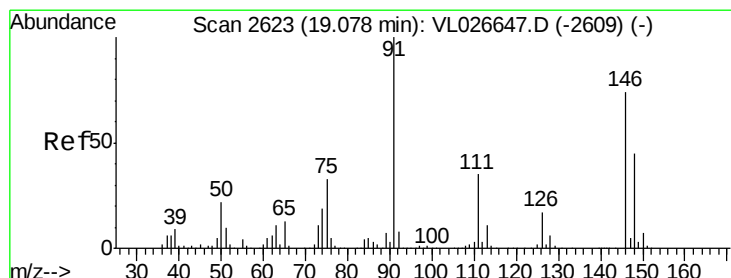
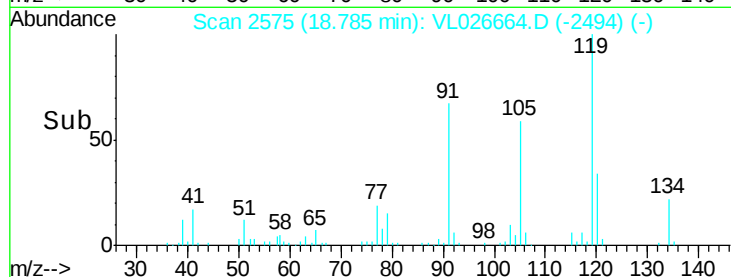
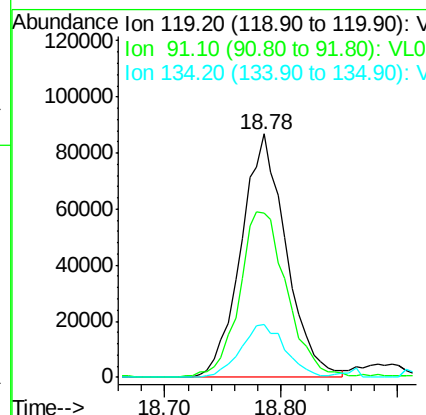
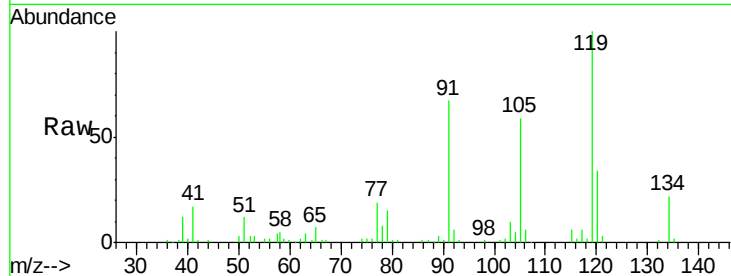




#65
 tert-Butylbenzene
 Concen: 0.43 ppbv
 RT: 18.78 min Scan# 2575
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

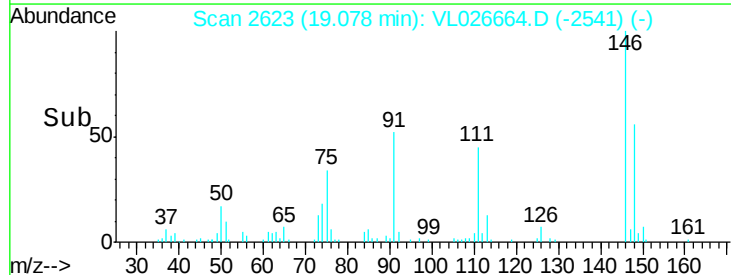
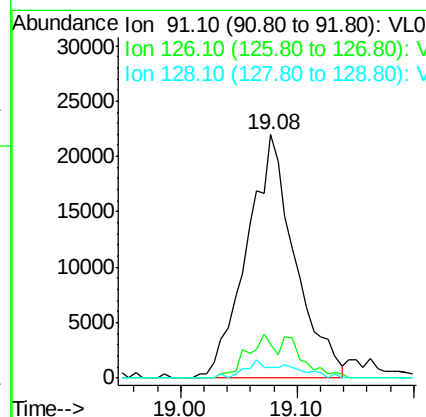
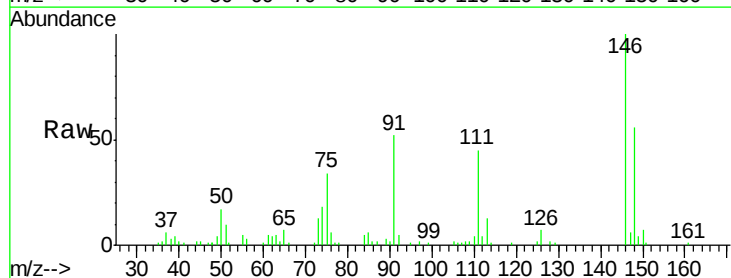
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

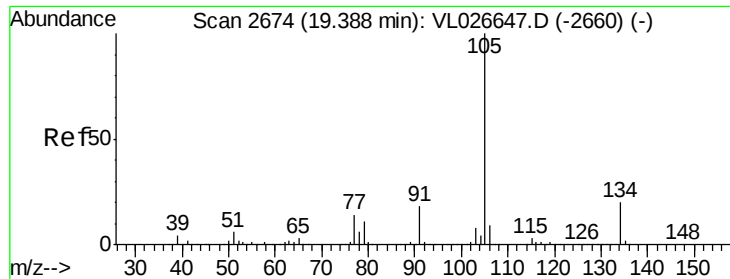
Tot Ion: 119 Resp: 234078
 Ion Ratio Lower Upper
 119 100
 91 72.6 64.8 97.2
 134 22.8 17.4 26.0



#66
 Benzyl Chloride
 Concen: 0.32 ppbv
 RT: 19.08 min Scan# 2623
 Delta R.T. 0.00 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion: 91 Resp: 62934
 Ion Ratio Lower Upper
 91 100
 126 18.2 14.2 21.2
 128 6.9 4.5 6.7#





#67

sec-Butylbenzene

Concen: 0.40 ppbv

RT: 19.38 min Scan# 2673

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

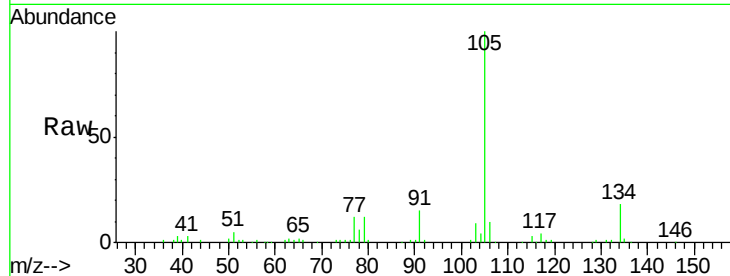
MDL-AIR-6

Tot Ion:105 Resp: 327637

Ion Ratio Lower Upper

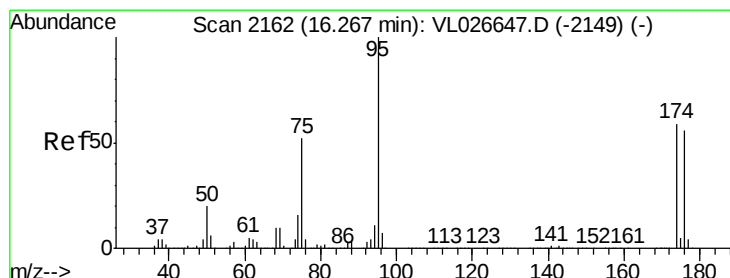
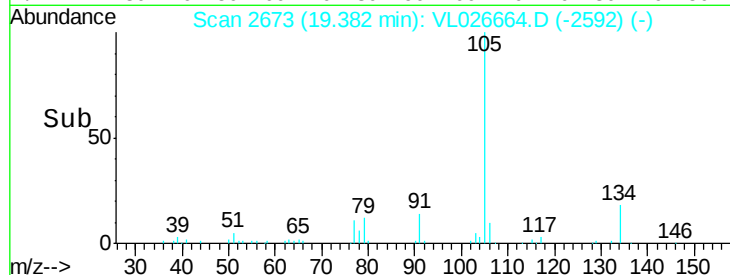
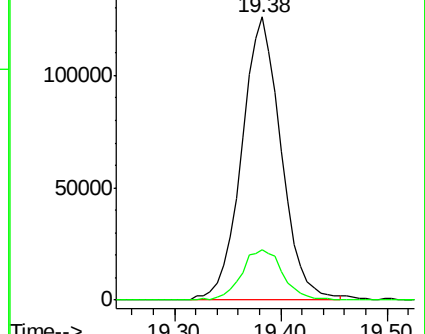
105 100

134 18.6 14.9 22.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.32 ppbv

RT: 16.25 min Scan# 2160

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

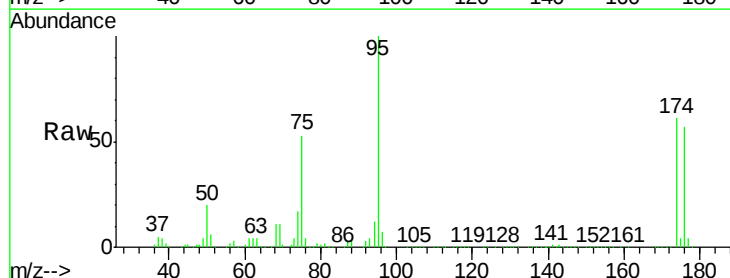
Tgt Ion: 95 Resp: 2335673

Ion Ratio Lower Upper

95 100

174 61.8 47.8 71.8

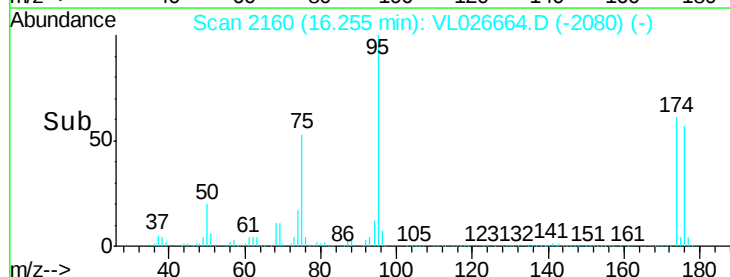
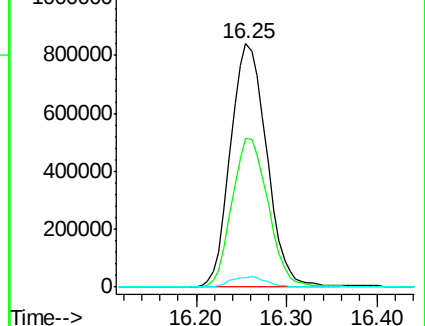
175 4.3 3.6 5.4

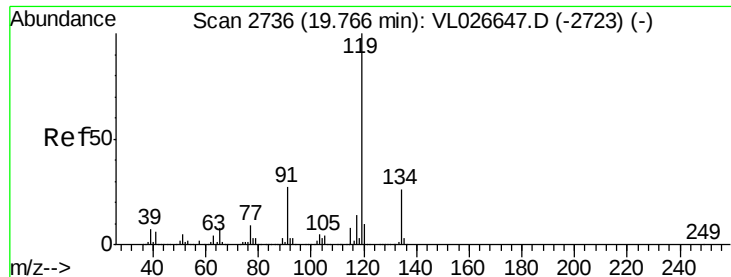


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.37 ppbv

RT: 19.76 min Scan# 2735

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

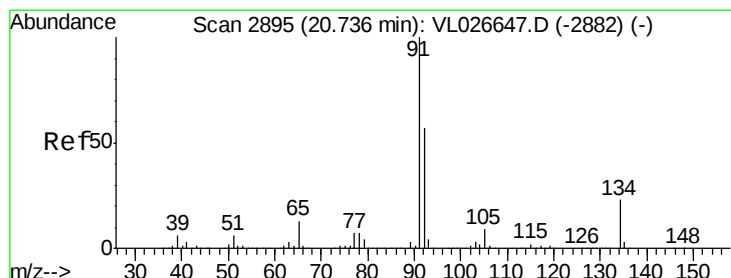
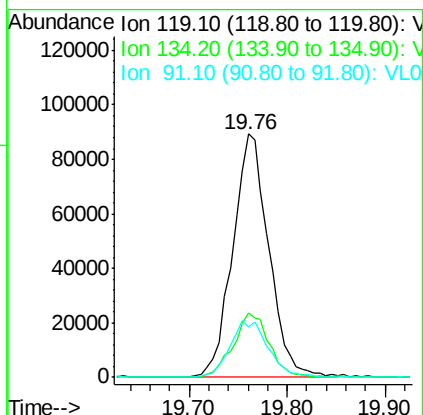
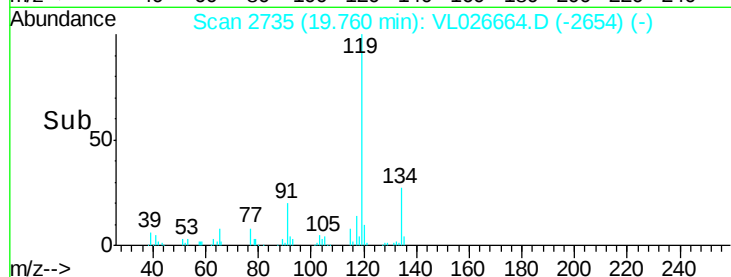
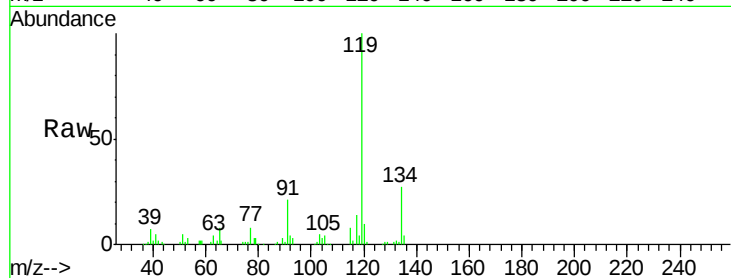
Tot Ion:119 Resp: 228670

Ion Ratio Lower Upper

119 100

134 26.5 20.6 31.0

91 24.9 21.7 32.5



#70

n-Butylbenzene

Concen: 0.36 ppbv

RT: 20.74 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

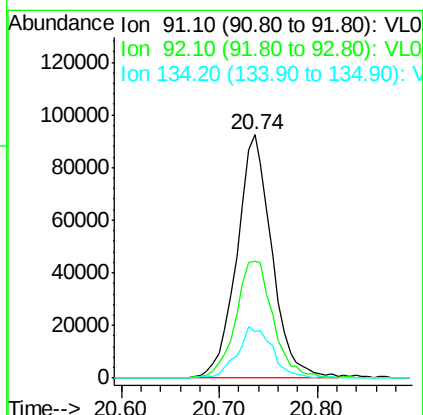
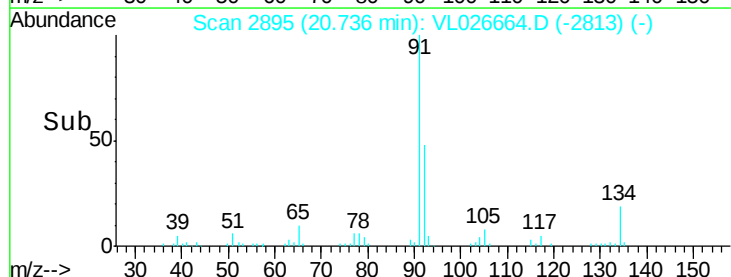
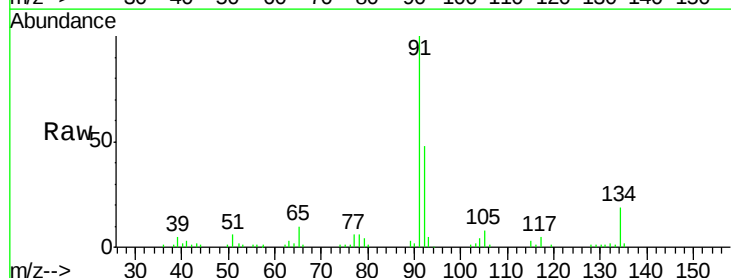
Tgt Ion: 91 Resp: 229748

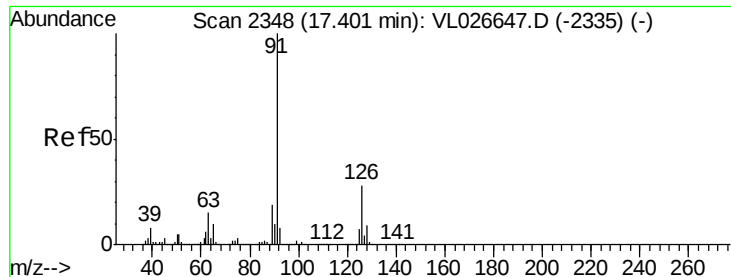
Ion Ratio Lower Upper

91 100

92 51.4 45.0 67.4

134 21.2 18.2 27.2





#71

2-Chlorotoluene

Concen: 0.32 ppbv

RT: 17.40 min Scan# 2348

Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

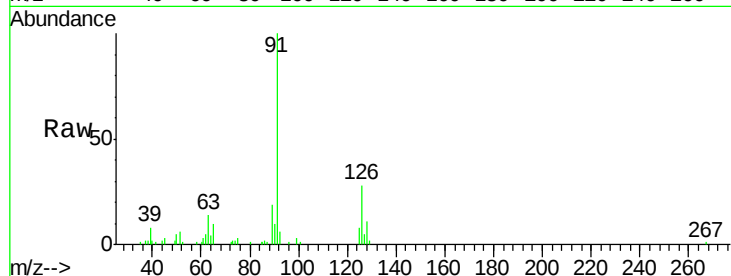
MDL-AIR-6

Tot Ion: 91 Resp: 149838

Ion Ratio Lower Upper

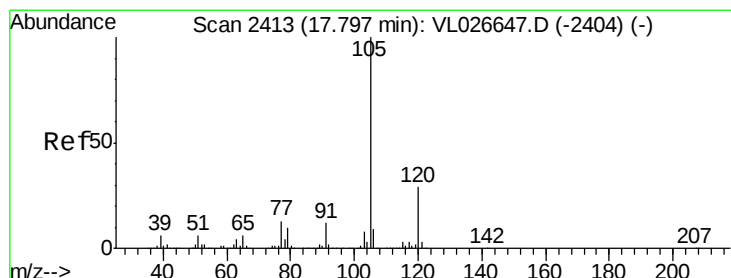
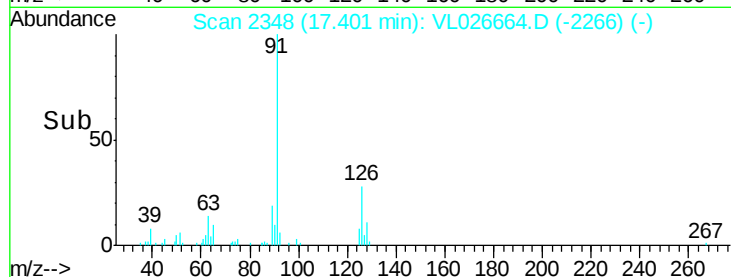
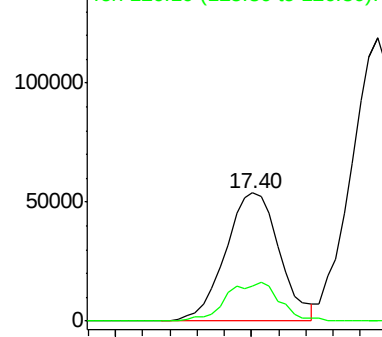
91 100

126 30.4 11.4 45.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.34 ppbv

RT: 17.80 min Scan# 2413

Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion: 105 Resp: 172937

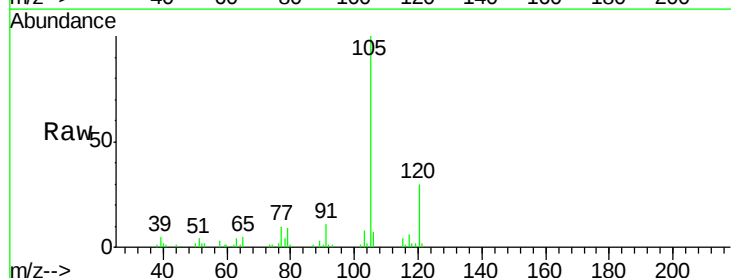
Ion Ratio Lower Upper

105 100

120 32.0 23.7 35.5

91 14.1 9.7 14.5

77 12.7 10.3 15.5

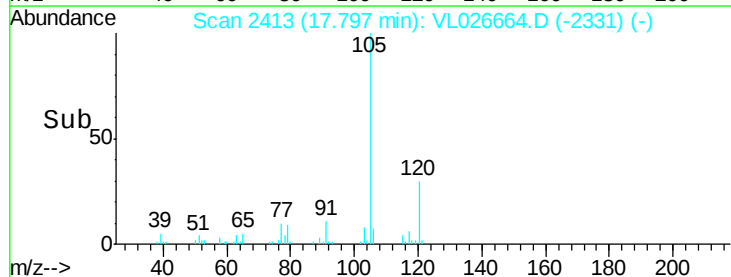
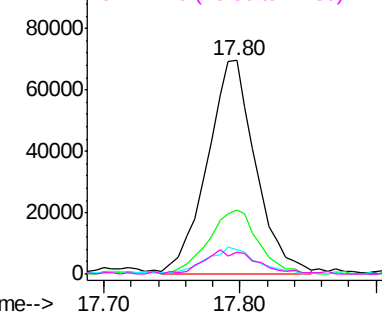


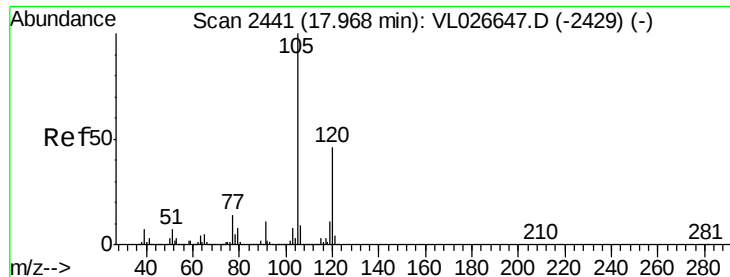
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.38 ppbv

RT: 17.96 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

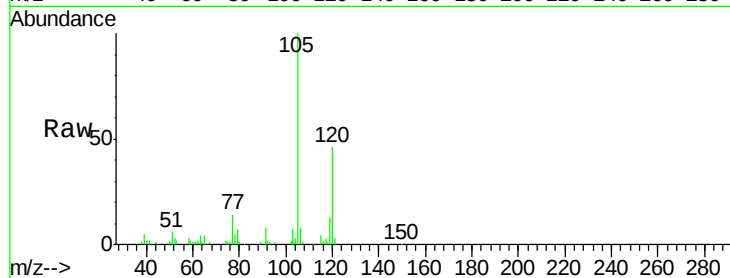
MDL-AIR-6

Tot Ion:105 Resp: 183831

Ion Ratio Lower Upper

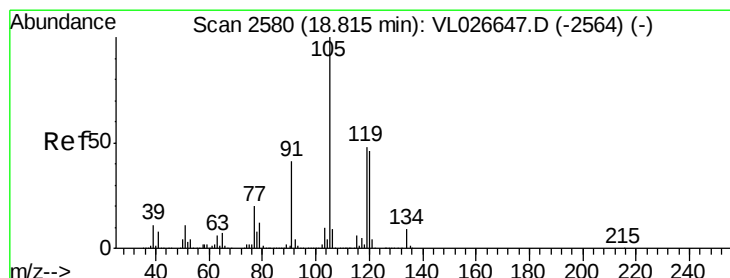
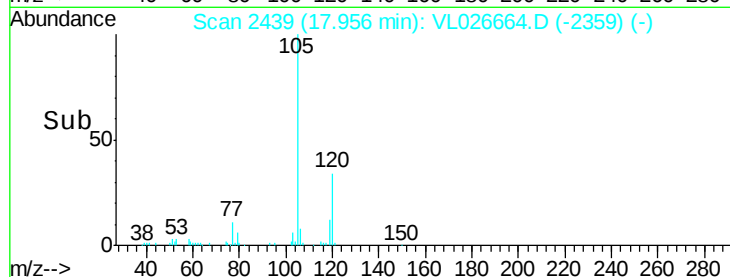
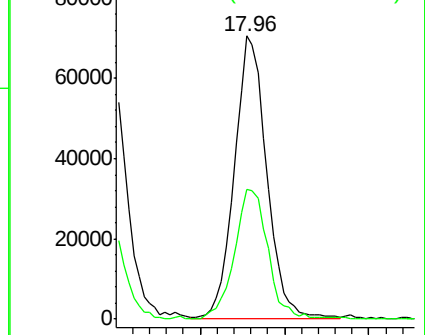
105 100

120 46.2 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.44 ppbv

RT: 18.80 min Scan# 2578

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion:105 Resp: 222120

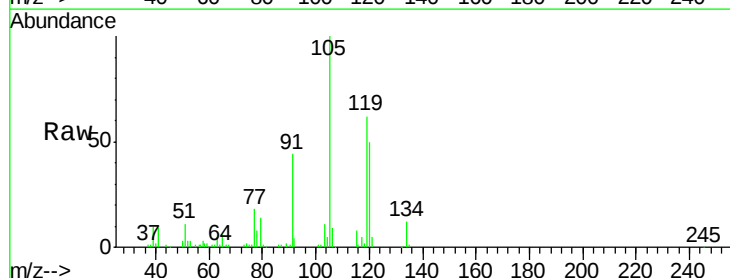
Ion Ratio Lower Upper

105 100

120 48.9 36.6 55.0

91 42.9 32.5 48.7

77 17.6 15.7 23.5

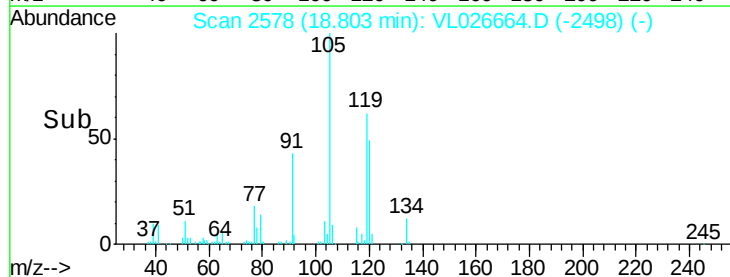
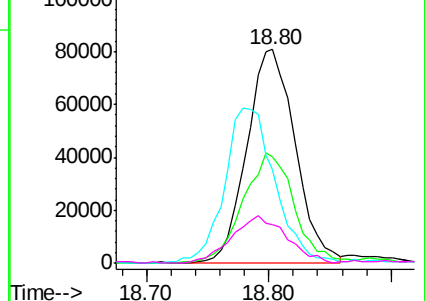


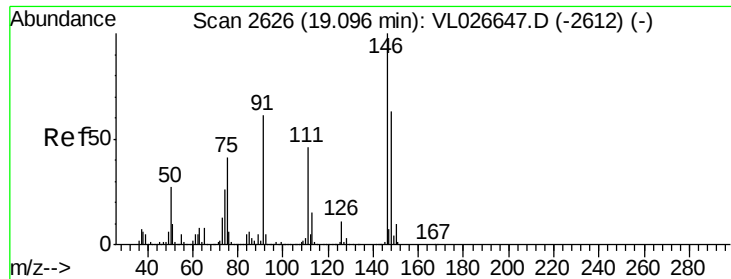
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V

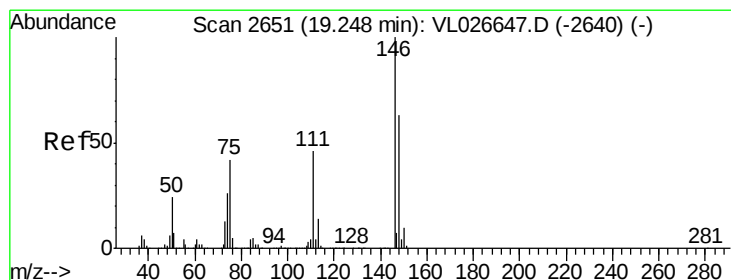
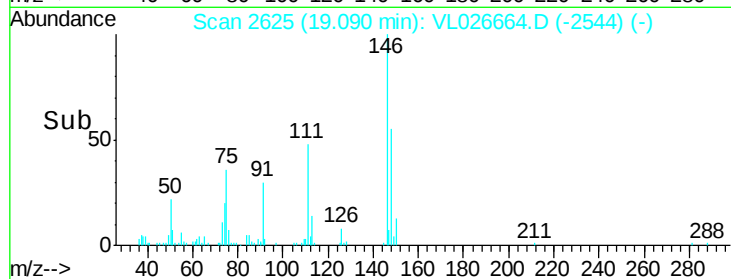
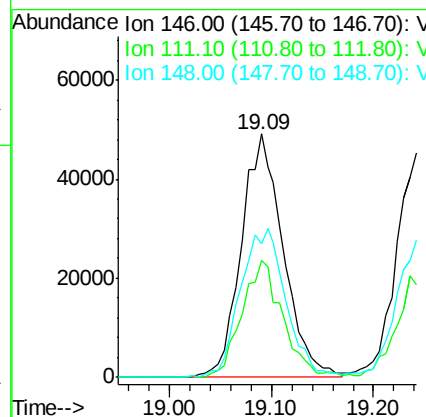
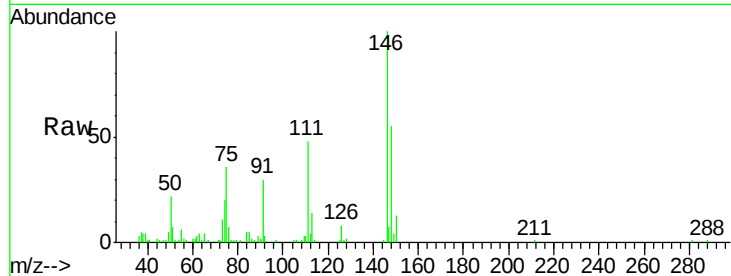




#75
 1,3-Dichlorobenzene
 Concen: 0.44 ppbv
 RT: 19.09 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

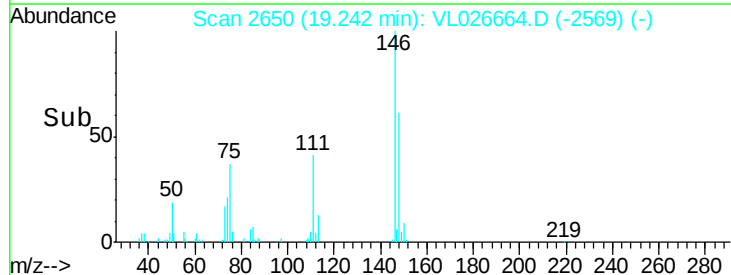
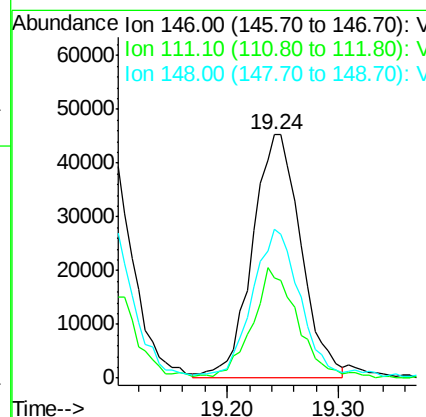
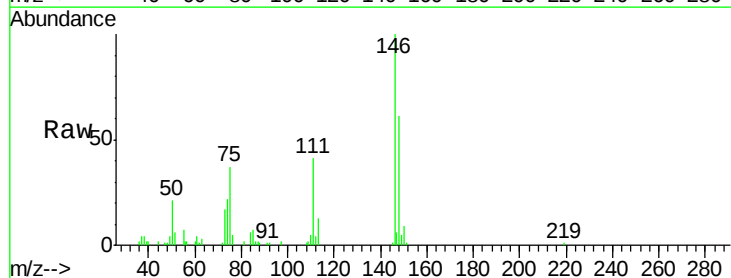
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

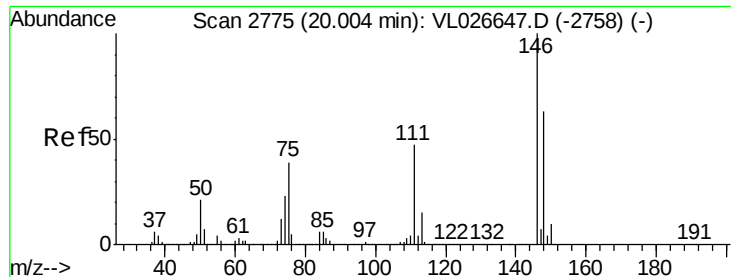
Tot Ion:146 Resp: 139616
 Ion Ratio Lower Upper
 146 100
 111 47.2 22.9 68.5
 148 66.6 31.6 95.0



#76
 1,4-Dichlorobenzene
 Concen: 0.43 ppbv
 RT: 19.24 min Scan# 2650
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion:146 Resp: 137772
 Ion Ratio Lower Upper
 146 100
 111 42.5 22.3 66.8
 148 62.1 31.9 95.9





#77

1,2-Dichlorobenzene

Concen: 0.43 ppbv

RT: 20.00 min Scan# 2774

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

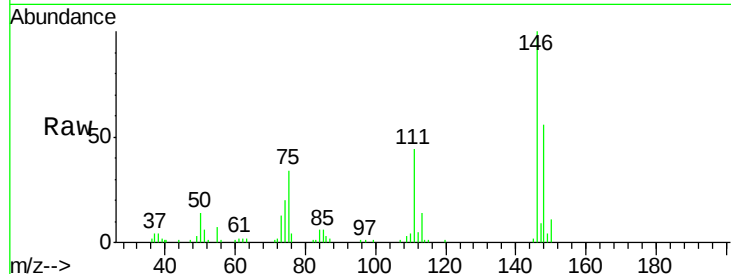
Tot Ion:146 Resp: 138073

Ion Ratio Lower Upper

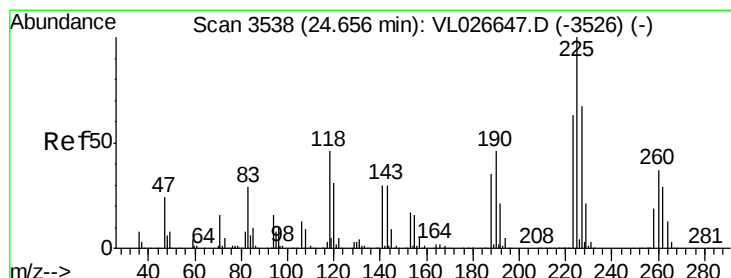
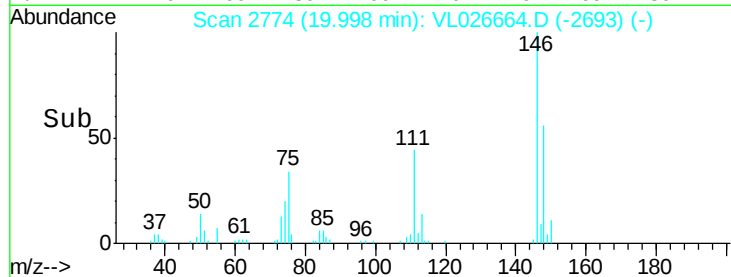
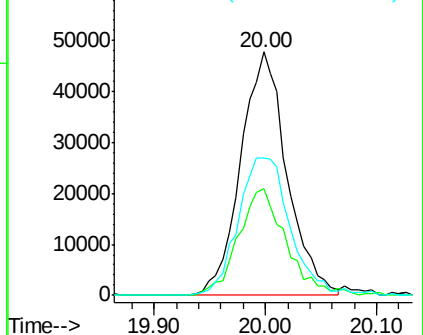
146 100

111 45.5 23.7 71.1

148 64.2 31.1 93.5



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



#78

Hexachloro-1,3-Butadiene

Concen: 0.41 ppbv

RT: 24.65 min Scan# 3537

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

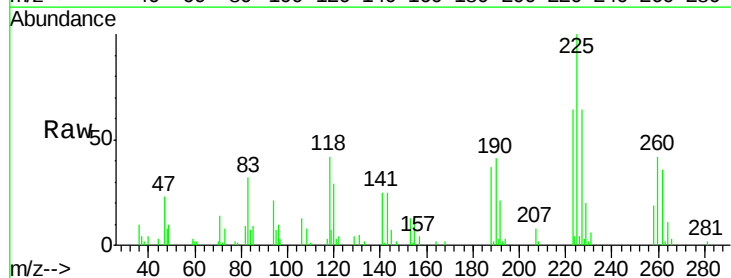
Tgt Ion:225 Resp: 53254

Ion Ratio Lower Upper

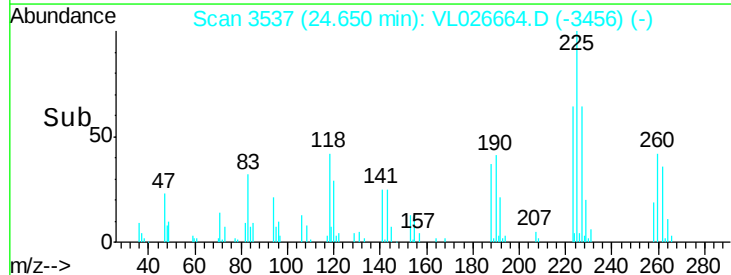
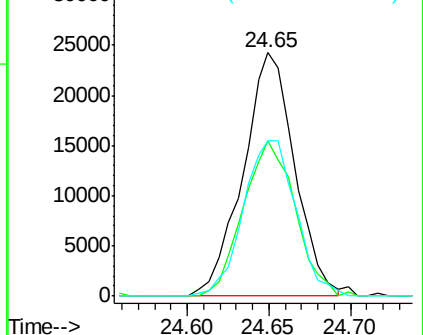
225 100

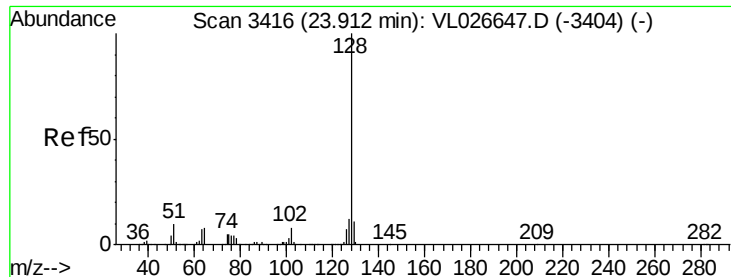
223 64.1 50.1 75.1

227 65.1 51.1 76.7



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.26 ppbv

RT: 23.92 min Scan# 3417

Delta R.T. 0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

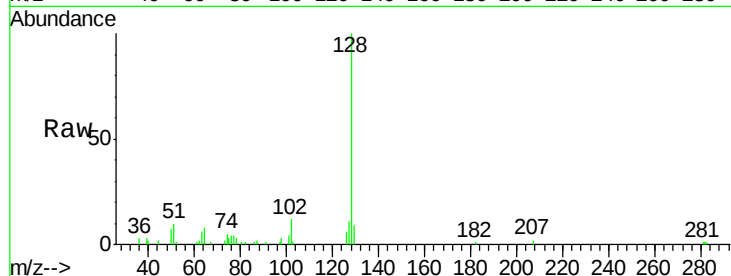
Tot Ion:128 Resp: 88072

Ion Ratio Lower Upper

128 100

127 10.7 9.8 14.8

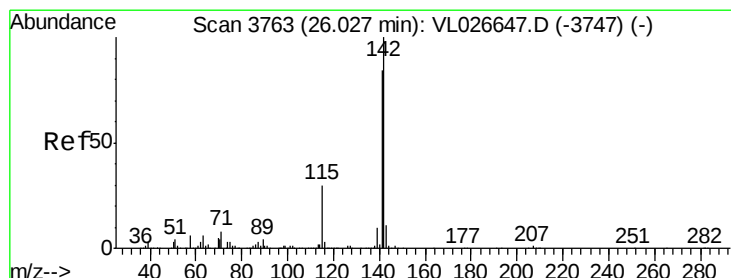
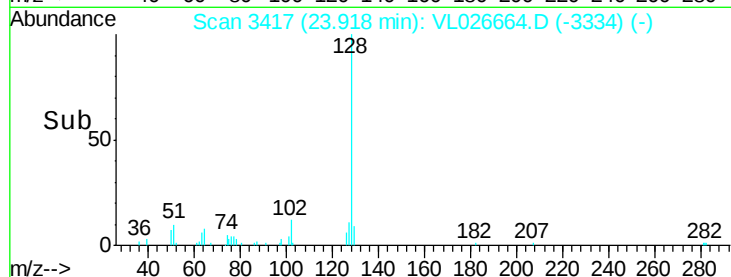
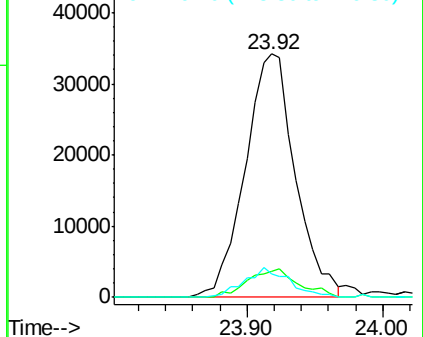
129 9.4 8.9 13.3



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.32 ppbv

RT: 26.05 min Scan# 3766

Delta R.T. 0.02 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

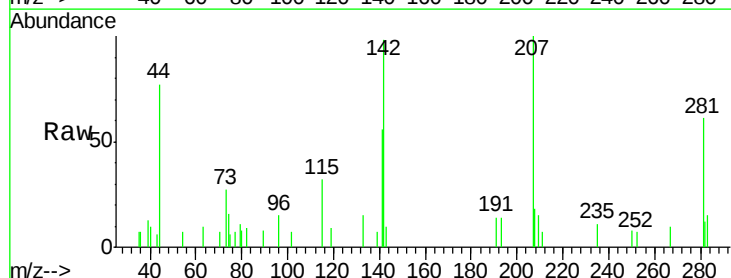
Tgt Ion:142 Resp: 16785

Ion Ratio Lower Upper

142 100

141 82.1 67.0 100.6

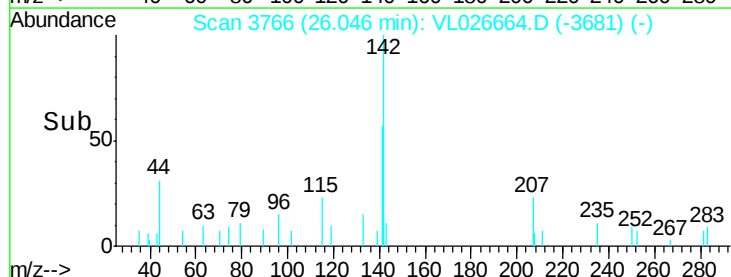
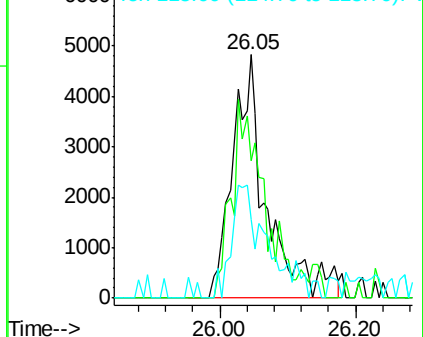
115 50.1 24.7 37.1#

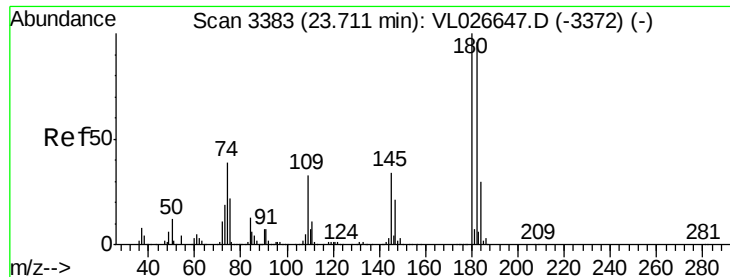


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.32 ppbv

RT: 23.72 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

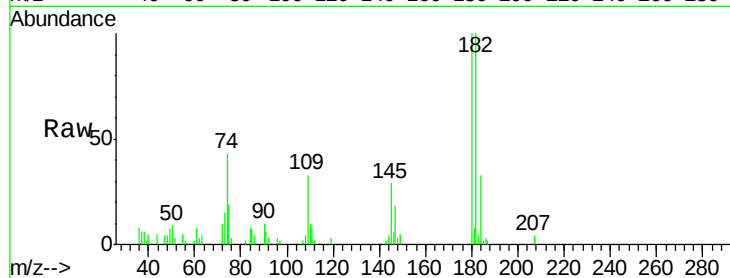
Tot Ion:180 Resp: 50501

Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.0

184 28.2 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

