

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026659.D
 Acq On : 9 Jan 2016 3:54
 Operator : SY/AP
 Sample : H1002-15
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1

Quant Time: Jan 12 02:01:25 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	697261	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	2205449	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	2997014	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	2461108	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.63	85	97403	0.53	ppbv	96
3) Chlorodifluoromethane	3.56	51	43344	0.47	ppbv	99
4) Chloromethane	3.74	50	20038	0.44	ppbv	90
5) Vinyl Chloride	3.88	62	20891	0.38	ppbv	99
6) Bromomethane	4.14	94	17904	0.46	ppbv	87
7) Chloroethane	4.23	64	4962	0.22	ppbv	90
8) Dichlorotetrafluoroethane	3.79	85	69598	0.48	ppbv	98
9) Propene	3.59	41	12561	0.38	ppbv	97
10) Heptane	9.33	43	42221	0.34	ppbv	85
11) Trichlorofluoromethane	4.68	101	98511	0.51	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	5.29	101	56827	0.48	ppbv	99
13) Ethanol	4.34	45	2179	0.34	ppbv	99
14) Bromoethene	4.44	108	18414	0.43	ppbv #	95
15) Acetone	4.60	43	62089	0.54	ppbv #	50
16) 1,3-Butadiene	3.96	39	15611	0.34	ppbv	88
18) 1,1-Dichloroethene	5.07	96	20277	0.41	ppbv	94
19) Isopropyl Alcohol	4.77	45	16244	0.34	ppbv #	1
20) Methylene Chloride	5.14	84	25469	0.54	ppbv #	83
21) Allvl Chloride	5.21	41	27374	0.39	ppbv #	71
22) trans-1,2-Dichloroethene	5.75	96	24176	0.43	ppbv	97
23) Vinyl Acetate	5.97	43	61603	0.35	ppbv #	94
24) 1,1-Dichloroethane	5.88	63	52121	0.41	ppbv #	95
25) Ethyl Acetate	6.67	43	47101	0.27	ppbv #	85
26) Hexane	6.65	57	33928	0.37	ppbv	96
27) Carbon Disulfide	5.38	76	56547	0.42	ppbv #	69
28) Methyl tert-Butyl Ether	5.96	73	64167	0.35	ppbv	98
29) Chloroform	6.72	83	81648	0.49	ppbv	87
30) Cyclohexane	8.26	84	34407	0.38	ppbv #	30
31) cis-1,2-Dichloroethene	6.50	61	33011	0.36	ppbv	95
32) 1,1,1-Trichloroethane	7.57	97	75564	0.40	ppbv	96
34) 2-Butanone	6.20	43	40921	0.35	ppbv	92
35) Carbon Tetrachloride	8.14	117	79715	0.41	ppbv	91
36) Benzene	7.99	78	75843	0.33	ppbv	94
37) 1,2-Dichloroethane	7.35	62	63566	0.41	ppbv	99
38) Trichloroethene	9.04	130	38844	0.38	ppbv	92
39) 1,2-Dichloropropane	8.80	63	32400	0.41	ppbv #	86
40) 1,4-Dioxane	9.16	88	1655	0.09	ppbv #	1
41) Tetrahydrofuran	7.14	42	16884	0.29	ppbv #	92
42) Bromodichloromethane	8.99	83	80712	0.40	ppbv	95
43) Methyl Methacrylate	9.25	69	24564	0.30	ppbv	94
44) 2,2,4-Trimethylpentane	9.06	57	125360	0.34	ppbv	98

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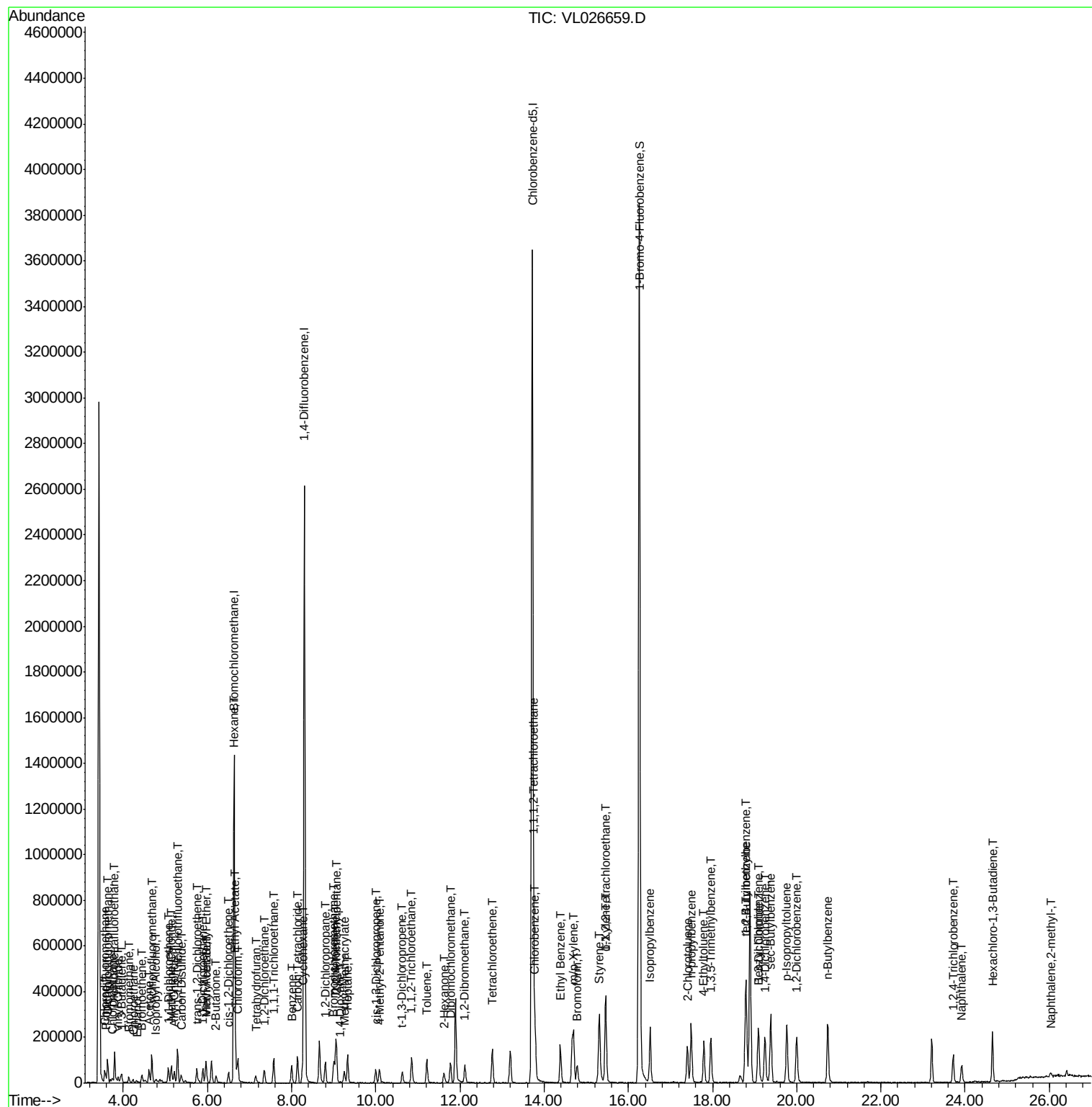
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	10.63	75	36842	0.27	ppbv	95
46) cis-1,3-Dichloropropene	10.00	75	44501	0.29	ppbv	91
47) 1,1,2-Trichloroethane	10.85	97	45167	0.40	ppbv	95
48) Dibromochloromethane	11.77	129	65286	0.39	ppbv	99
49) Bromoform	14.79	173	53338	0.39	ppbv	99
50) 4-Methyl-2-Pentanone	10.08	43	46531	0.28	ppbv	99
51) 2-Hexanone	11.62	43	37888	0.25	ppbv #	98
52) Tetrachloroethene	12.77	164	43026	0.38	ppbv	93
53) Toluene	11.21	91	99294	0.31	ppbv	98
54) 1,2-Dibromoethane	12.12	107	71051	0.40	ppbv	88
56) 1,1,1,2-Tetrachloroethane	13.76	131	59726	0.43	ppbv #	1
57) Chlorobenzene	13.79	112	138260	0.45	ppbv	92
58) Ethyl Benzene	14.39	91	177098	0.33	ppbv	95
59) m/p-Xylene	14.69	91	185893	0.42	ppbv #	37
60) o-Xylene	15.46	91	200600	0.42	ppbv	96
61) Styrene	15.29	104	59331	0.32	ppbv	98
62) Isopropylbenzene	16.52	105	243047	0.39	ppbv	97
63) 1,1,2,2-Tetrachloroethane	15.46	83	154190	0.43	ppbv	100
64) n-propylbenzene	17.49	120	66964	0.40	ppbv	93
65) tert-Butylbenzene	18.78	119	243730	0.42	ppbv	94
66) Benzyl Chloride	19.08	91	58416	0.28	ppbv #	96
67) sec-Butylbenzene	19.38	105	345239	0.40	ppbv	99
69) p-Isopropyltoluene	19.76	119	236550	0.36	ppbv	99
70) n-Butylbenzene	20.74	91	234630	0.34	ppbv	98
71) 2-Chlorotoluene	17.40	91	158747	0.32	ppbv	95
72) 4-Ethyltoluene	17.79	105	184262	0.35	ppbv	99
73) 1,3,5-Trimethylbenzene	17.96	105	189542	0.38	ppbv	96
74) 1,2,4-Trimethylbenzene	18.80	105	231934	0.43	ppbv	98
75) 1,3-Dichlorobenzene	19.10	146	148262	0.45	ppbv	98
76) 1,4-Dichlorobenzene	19.25	146	146069	0.43	ppbv	99
77) 1,2-Dichlorobenzene	20.00	146	145320	0.43	ppbv	99
78) Hexachloro-1,3-Butadiene	24.66	225	55752	0.41	ppbv	96
79) Naphthalene	23.92	128	93236	0.26	ppbv #	97
80) Naphthalene,2-methyl-	26.03	142	16012	0.28	ppbv #	87
81) 1,2,4-Trichlorobenzene	23.72	180	51384	0.31	ppbv	95

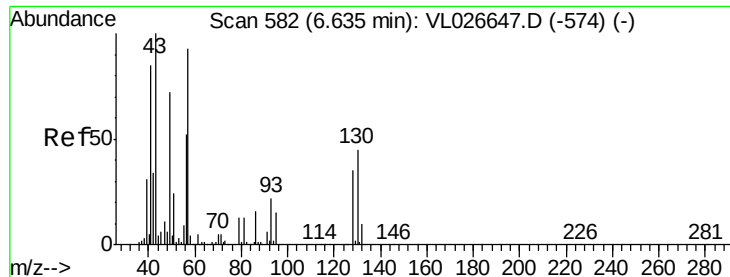
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 582

Delta R.T. -0.00 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

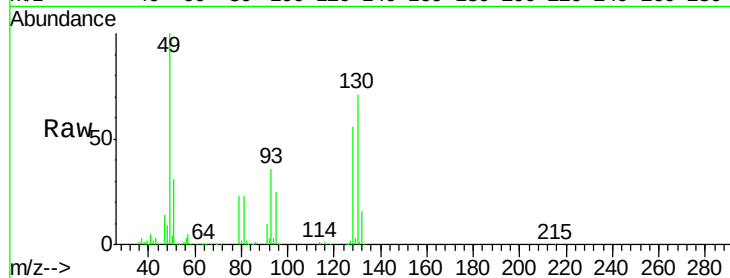
Tot Ion: 49 Resp: 697261

Ion Ratio Lower Upper

49 100

128 58.7 25.9 77.7

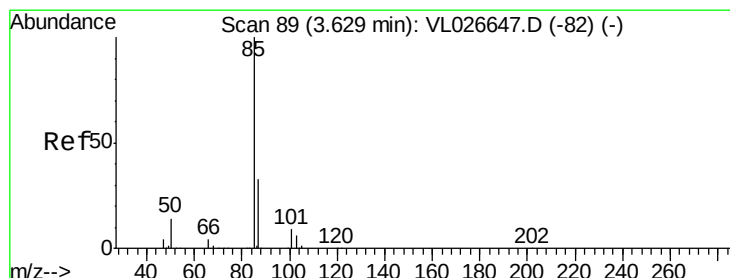
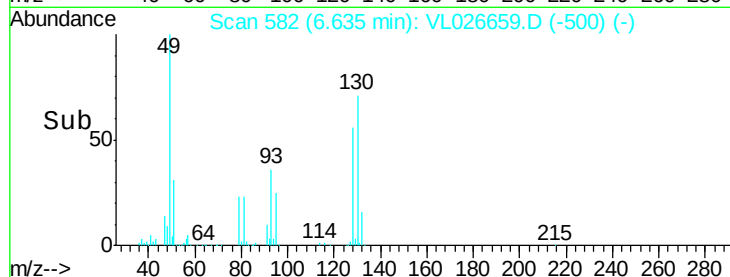
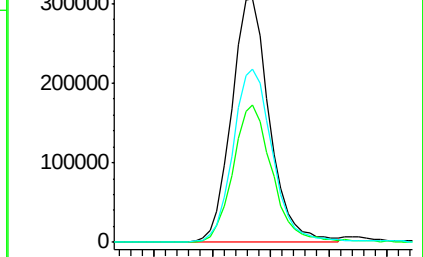
130 74.6 33.6 100.8



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: 0.53 ppbv

RT: 3.63 min Scan# 89

Delta R.T. -0.00 min

Lab File: VL026659.D

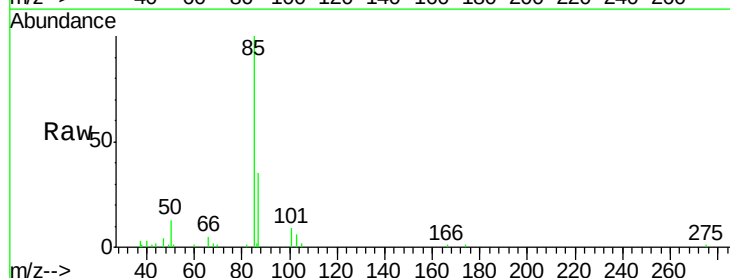
Acq: 9 Jan 2016 3:54

Tgt Ion: 85 Resp: 97403

Ion Ratio Lower Upper

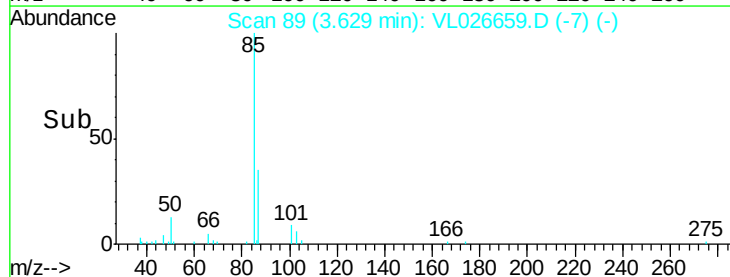
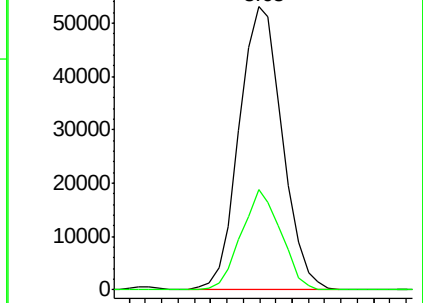
85 100

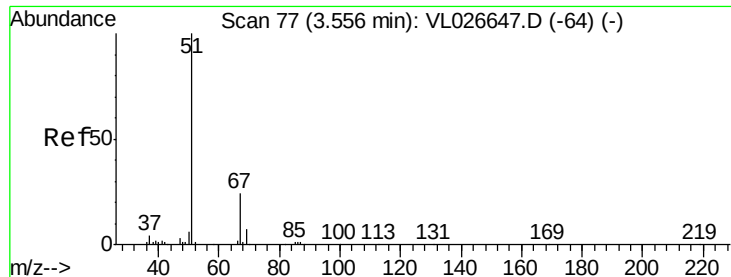
87 35.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

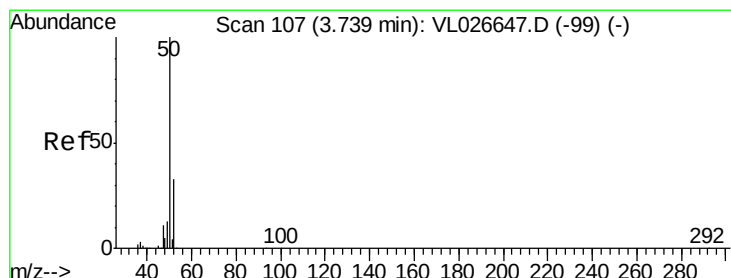
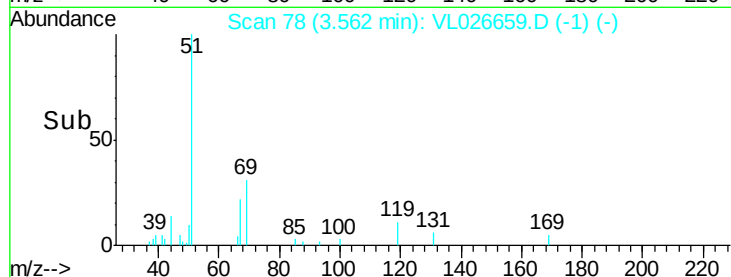
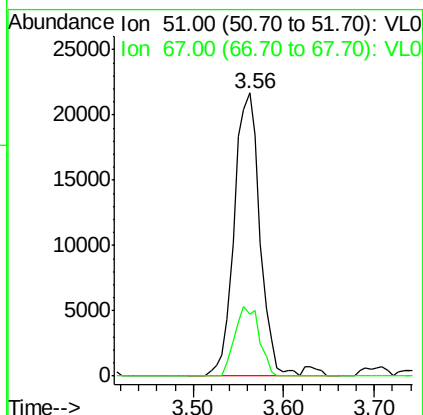
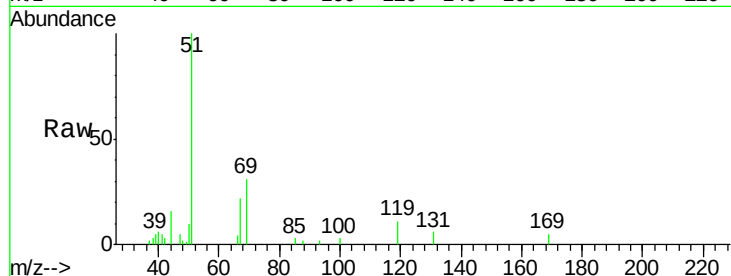




#3
 Chlorodifluoromethane
 Concen: 0.47 ppbv
 RT: 3.56 min Scan# 78
 Delta R.T. 0.01 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

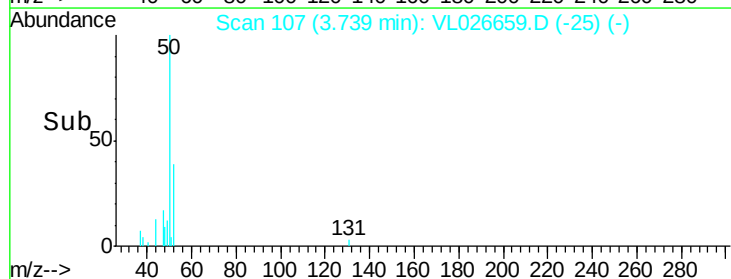
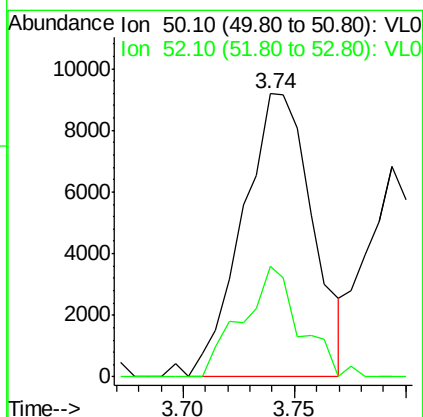
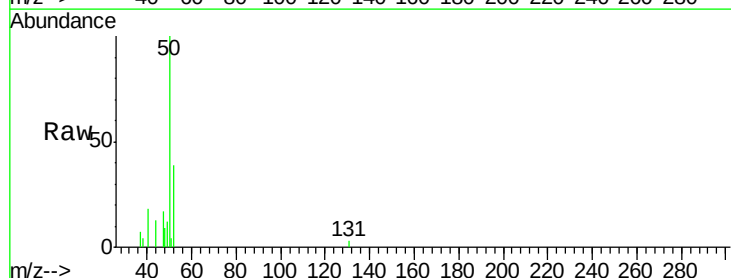
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1

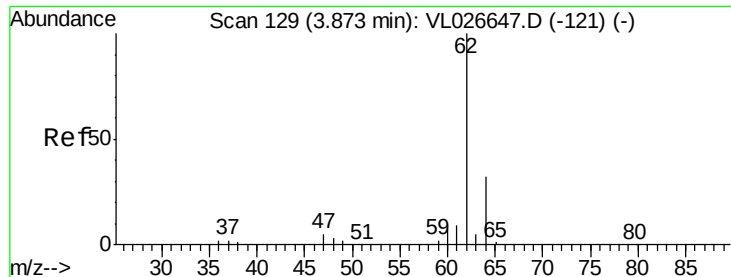
Tot Ion: 51 Resp: 43344
 Ion Ratio Lower Upper
 51 100
 67 23.0 18.6 28.0



#4
 Chloromethane
 Concen: 0.44 ppbv
 RT: 3.74 min Scan# 107
 Delta R.T. -0.00 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

Tgt Ion: 50 Resp: 20038
 Ion Ratio Lower Upper
 50 100
 52 39.3 26.7 40.1





#5

Vinyl Chloride

Concen: 0.38 ppbv

RT: 3.88 min Scan# 130

Delta R.T. 0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

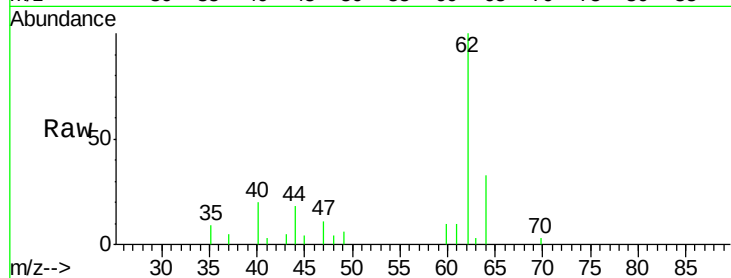
MDL-AIR-1

Tot Ion: 62 Resp: 20891

Ion Ratio Lower Upper

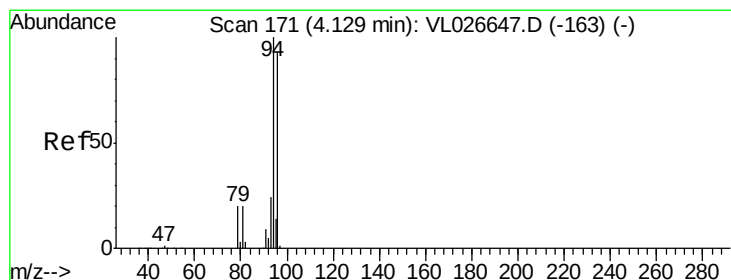
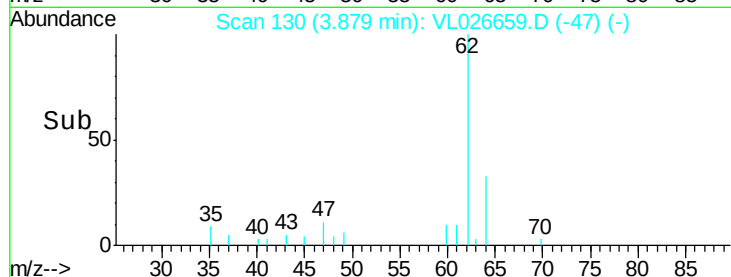
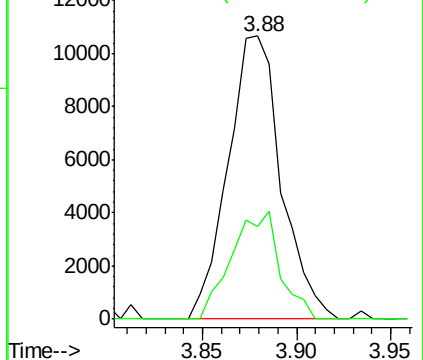
62 100

64 32.7 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.46 ppbv

RT: 4.14 min Scan# 172

Delta R.T. 0.01 min

Lab File: VL026659.D

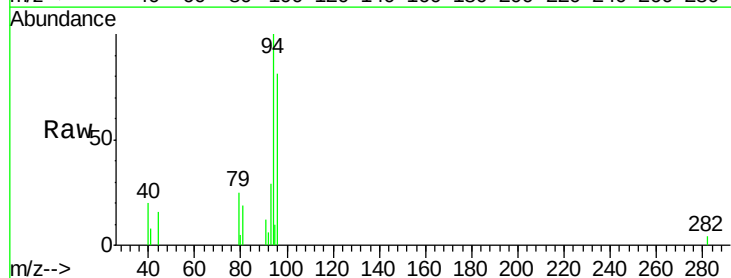
Acq: 9 Jan 2016 3:54

Tgt Ion: 94 Resp: 17904

Ion Ratio Lower Upper

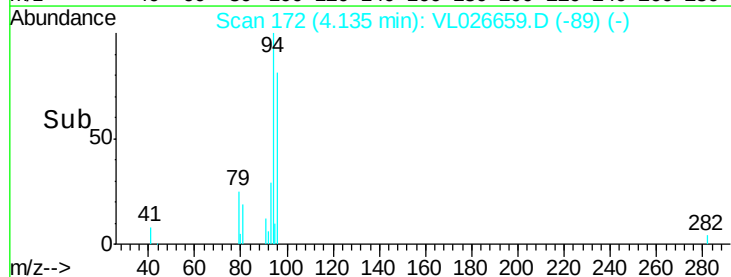
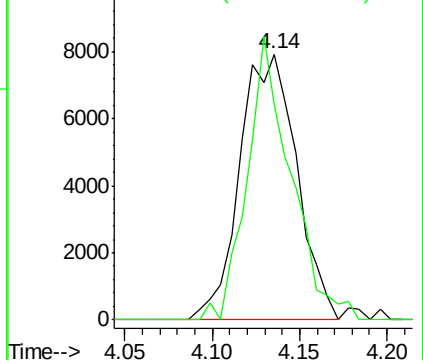
94 100

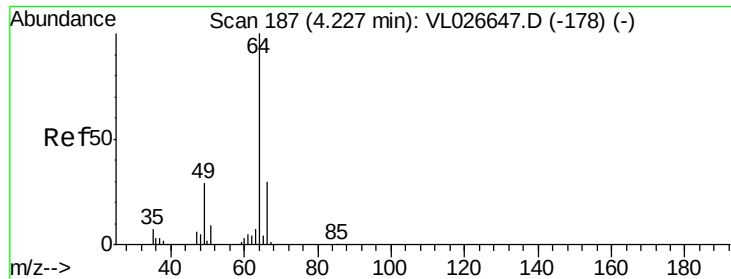
96 81.2 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.22 ppbv

RT: 4.23 min Scan# 188

Delta R.T. 0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

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MSVOA_L

ClientSampleId :

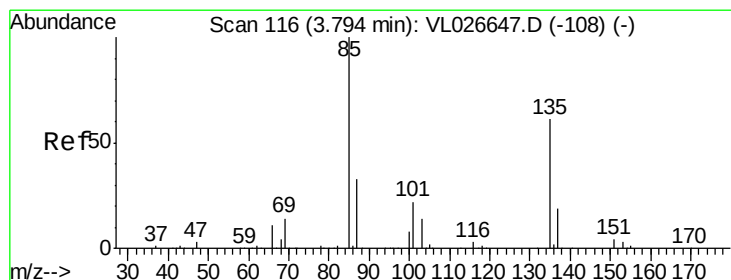
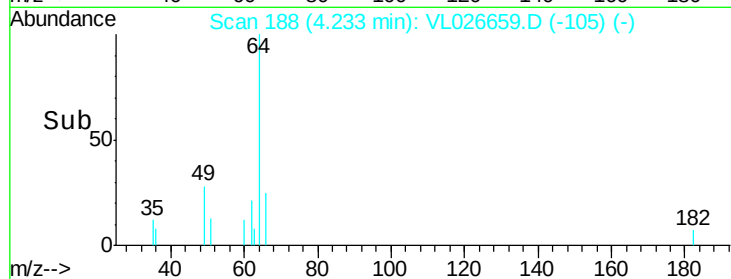
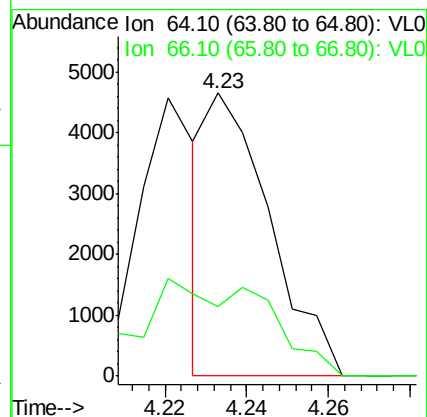
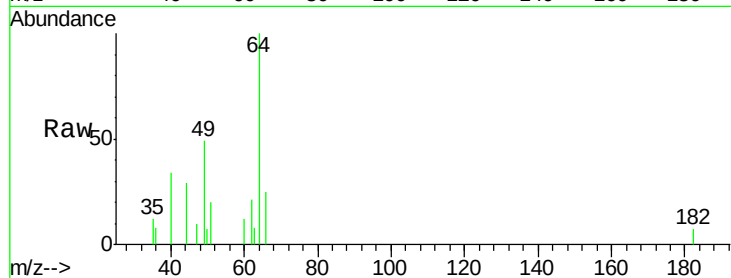
MDL-AIR-1

Tot Ion: 64 Resp: 4962

Ion Ratio Lower Upper

64 100

66 24.8 24.3 36.5



#8

Dichlorotetrafluoroethane

Concen: 0.48 ppbv

RT: 3.79 min Scan# 116

Delta R.T. -0.00 min

Lab File: VL026659.D

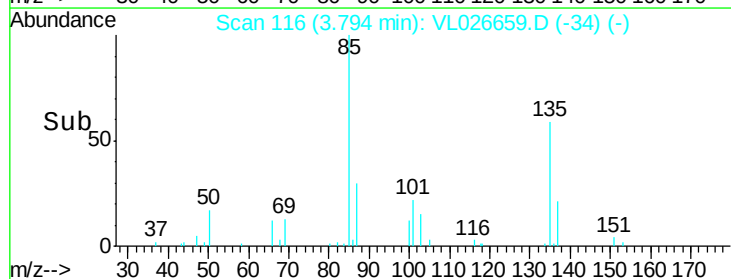
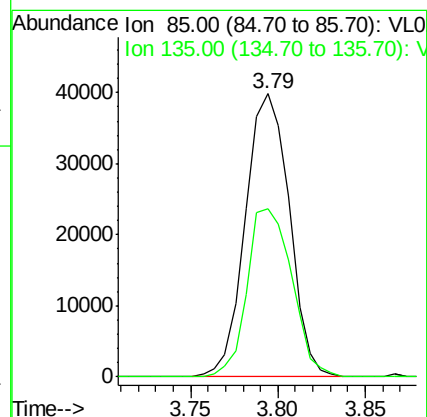
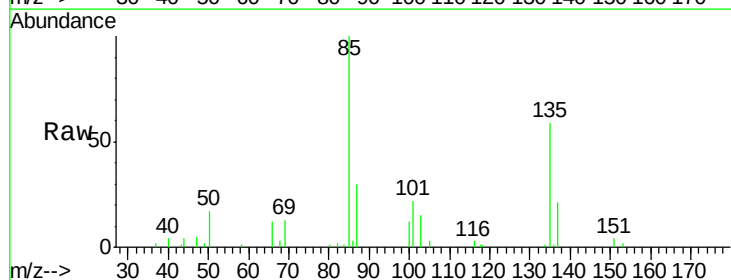
Acq: 9 Jan 2016 3:54

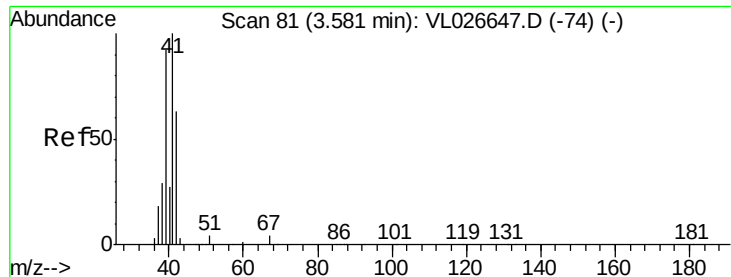
Tgt Ion: 85 Resp: 69598

Ion Ratio Lower Upper

85 100

135 60.6 49.8 74.6





#9

Propene

Concen: 0.38 ppbv

RT: 3.59 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL026659.D

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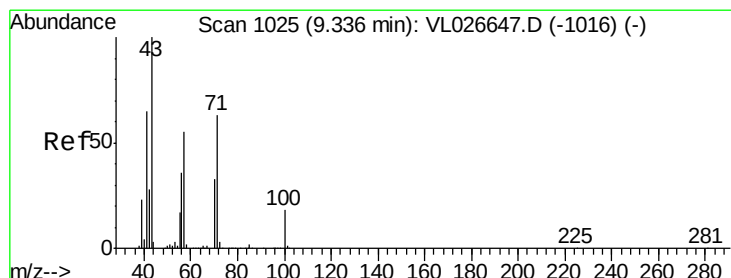
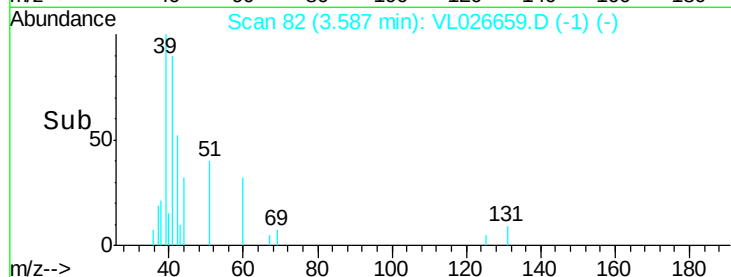
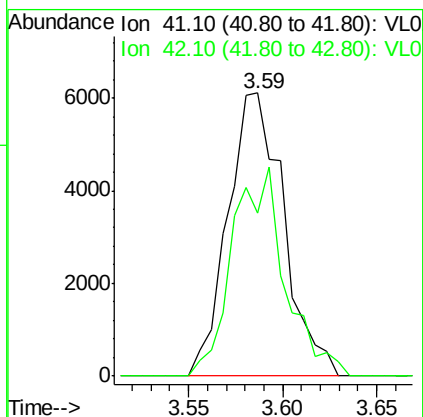
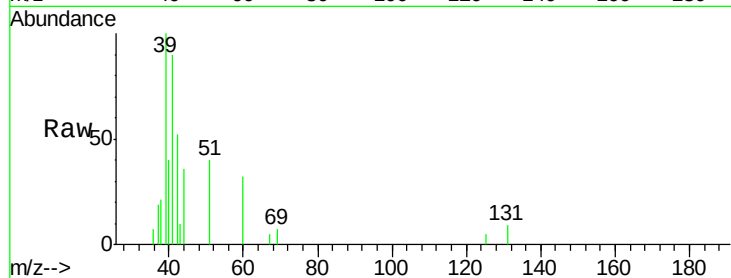
MDL-AIR-1

Tot Ion: 41 Resp: 12561

Ion Ratio Lower Upper

41 100

42 69.7 53.6 80.4



#10

Heptane

Concen: 0.34 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. -0.01 min

Lab File: VL026659.D

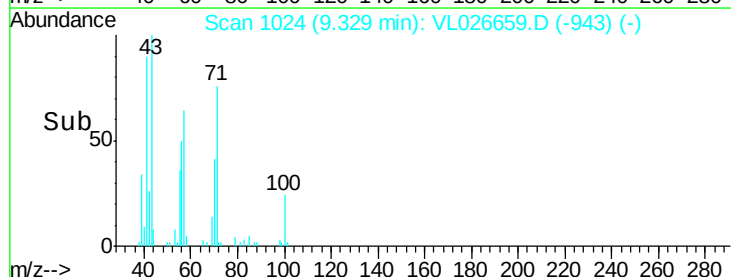
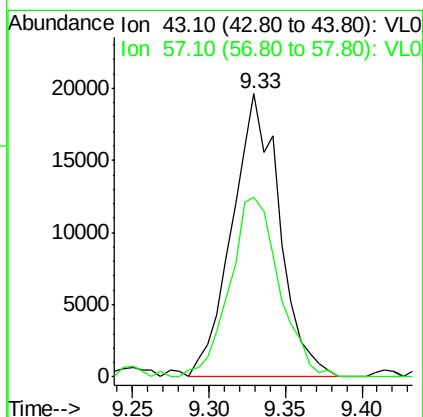
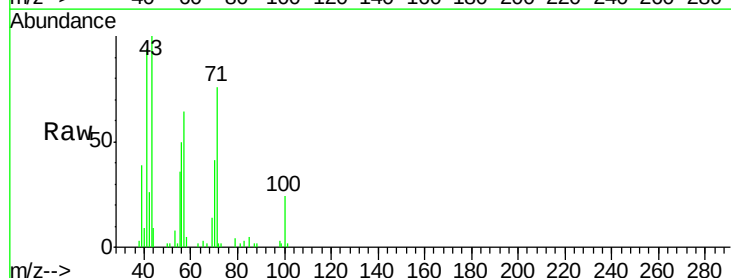
Acq: 9 Jan 2016 3:54

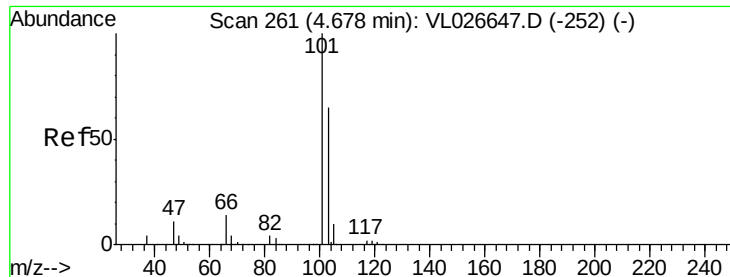
Tgt Ion: 43 Resp: 42221

Ion Ratio Lower Upper

43 100

57 68.0 45.8 68.6

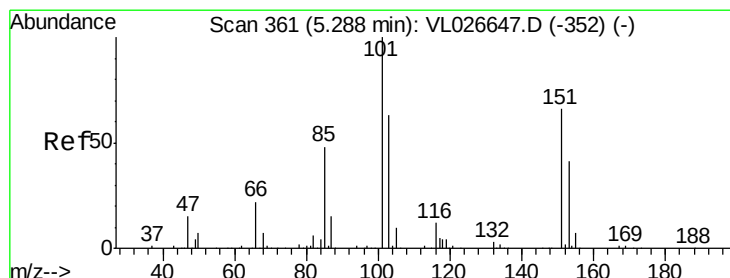
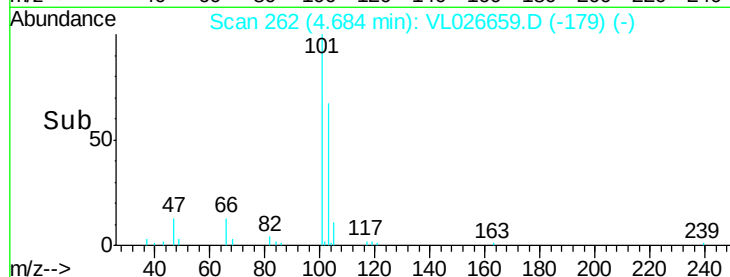
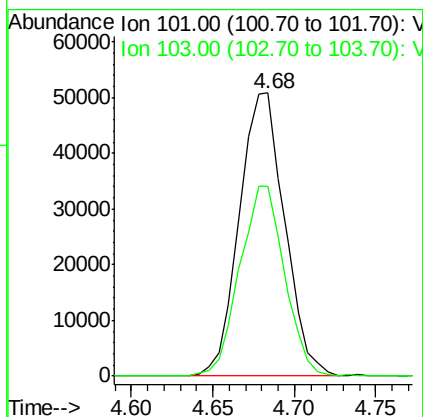
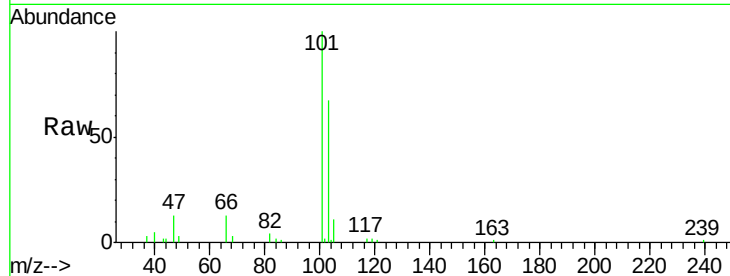




#11
 Trichlorofluoromethane
 Concen: 0.51 ppbv
 RT: 4.68 min Scan# 262
 Delta R.T. 0.01 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

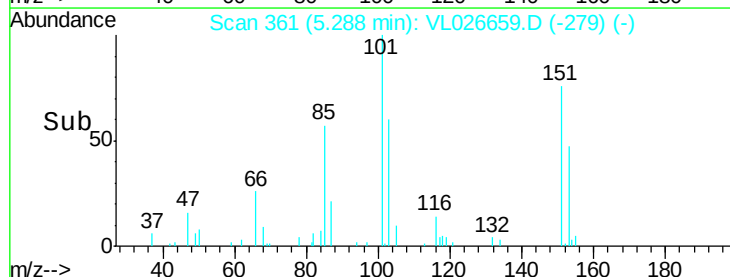
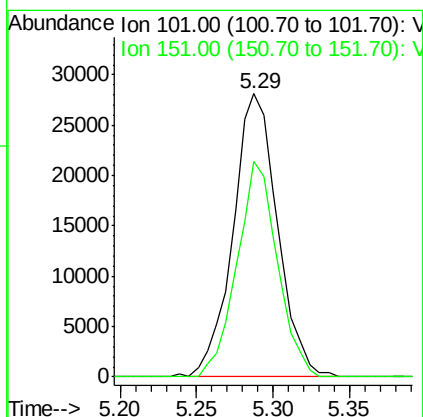
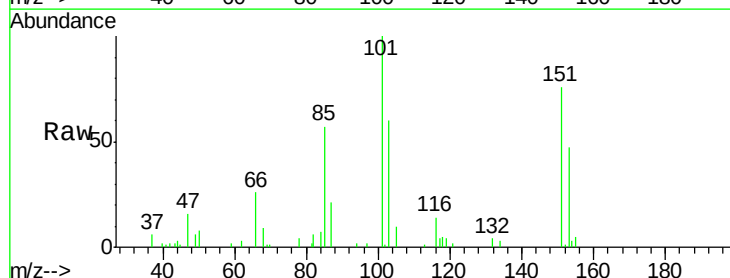
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1

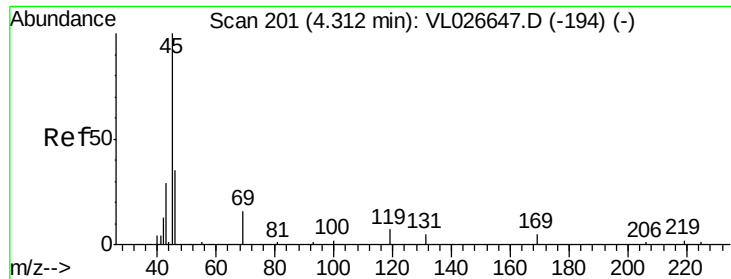
Tot Ion:101 Resp: 98511
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.48 ppbv
 RT: 5.29 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

Tgt Ion:101 Resp: 56827
 Ion Ratio Lower Upper
 101 100
 151 68.9 54.2 81.4

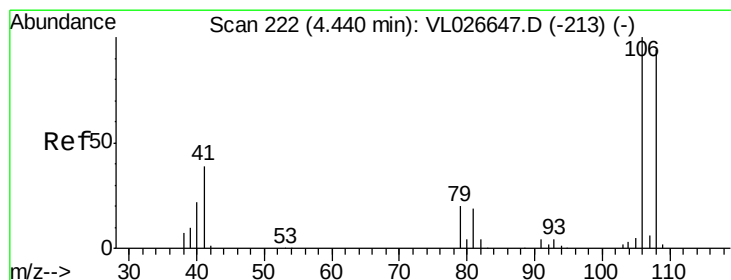
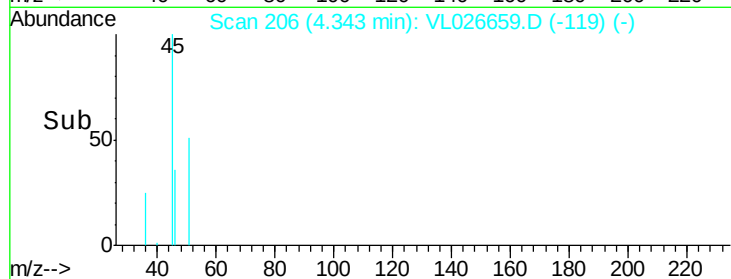
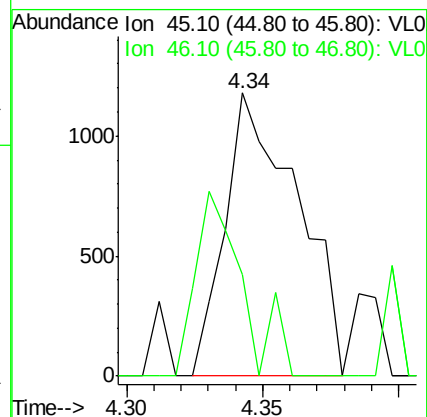
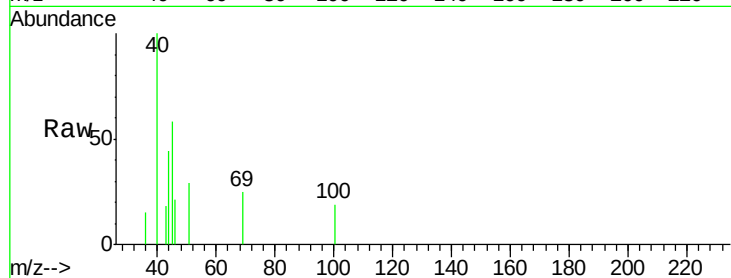




#13
Ethanol
Concen: 0.34 ppbv
RT: 4.34 min Scan# 206
Delta R.T. 0.03 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

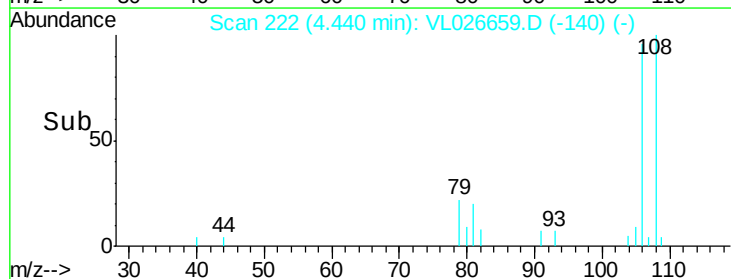
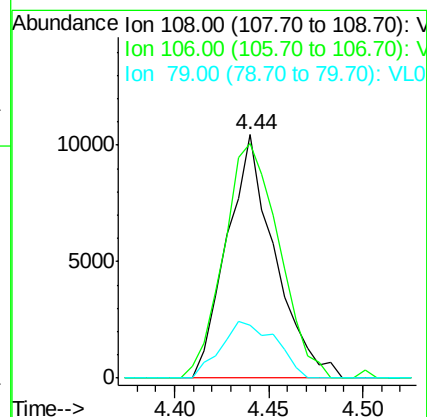
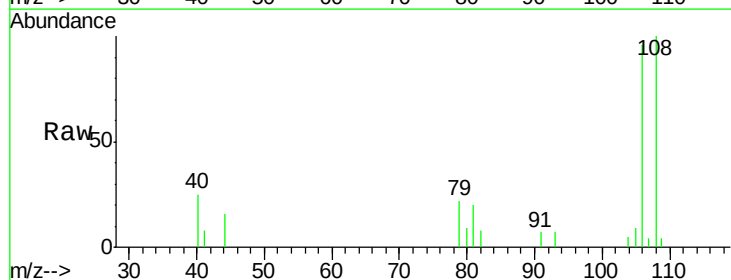
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

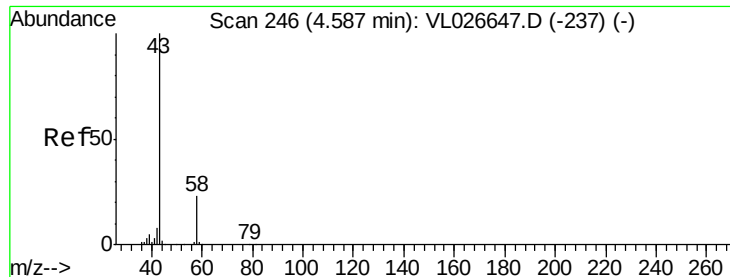
Tot Ion: 45 Resp: 2179
Ion Ratio Lower Upper
45 100
46 42.2 16.7 66.7



#14
Bromoethene
Concen: 0.43 ppbv
RT: 4.44 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:108 Resp: 18414
Ion Ratio Lower Upper
108 100
106 111.8 86.4 129.6
79 26.6 17.2 25.8#





#15

Acetone

Concen: 0.54 ppbv

RT: 4.60 min Scan# 249

Delta R.T. 0.02 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

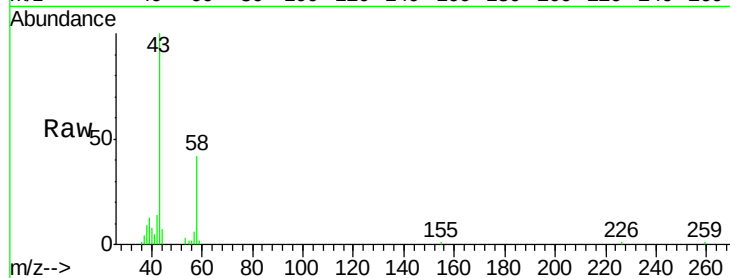
MDL-AIR-1

Tot Ion: 43 Resp: 62089

Ion Ratio Lower Upper

43 100

58 48.6 19.2 28.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.60

25000

20000

15000

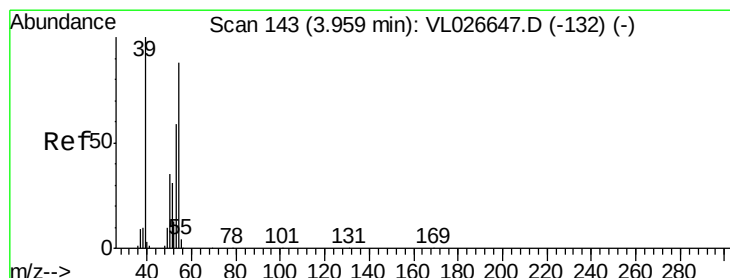
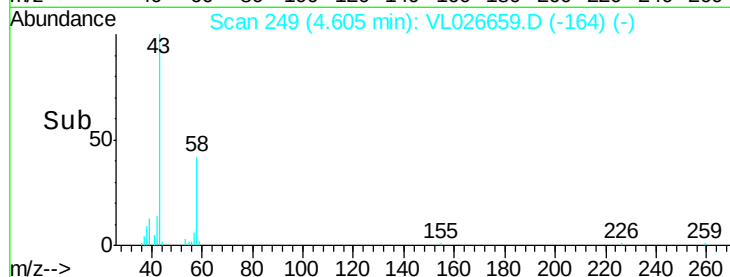
10000

5000

0

4.55 4.60 4.65 4.70

Time-->



#16

1,3-Butadiene

Concen: 0.34 ppbv

RT: 3.96 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL026659.D

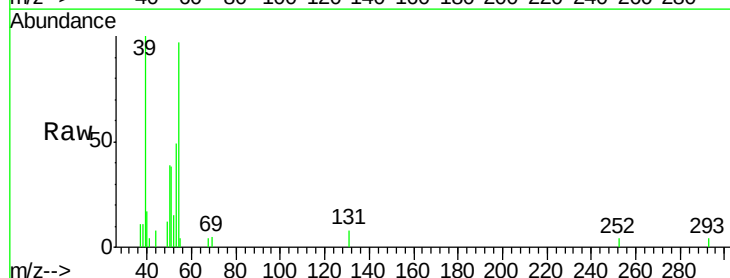
Acq: 9 Jan 2016 3:54

Tgt Ion: 39 Resp: 15611

Ion Ratio Lower Upper

39 100

54 94.0 66.6 100.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

10000

8000

6000

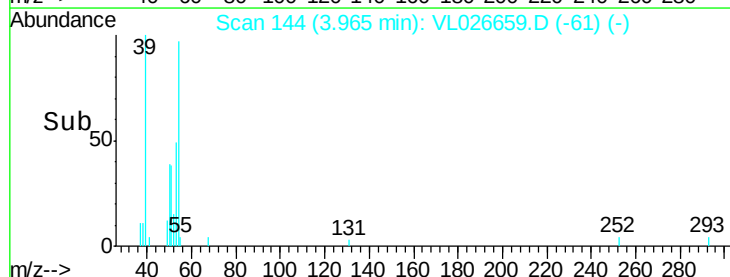
4000

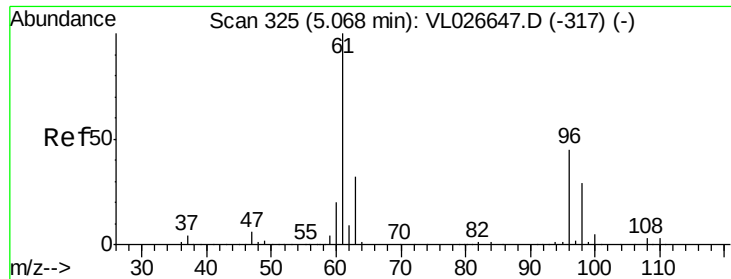
2000

0

3.95 3.96 4.00

Time-->

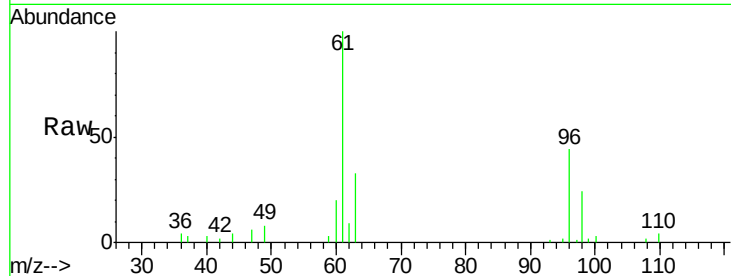




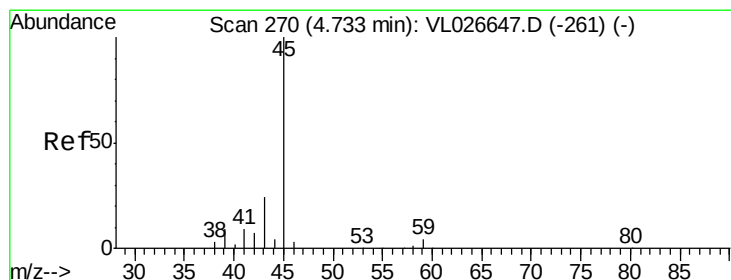
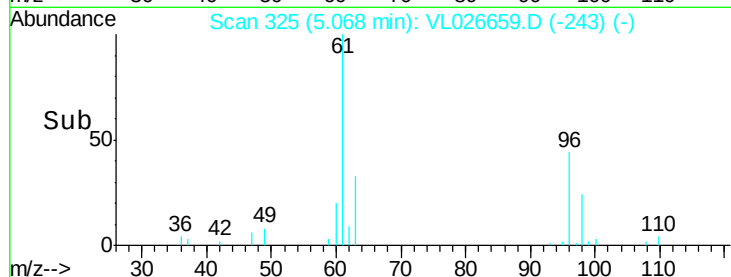
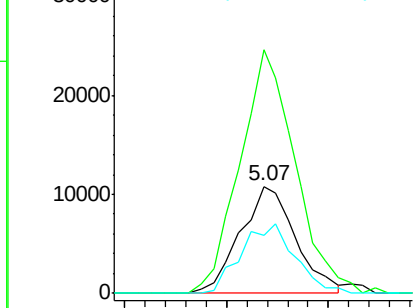
#18
 1,1-Dichloroethene
 Concen: 0.41 ppbv
 RT: 5.07 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1

Tot Ion: 96 Resp: 20277
 Ion Ratio Lower Upper
 96 100
 61 227.7 176.7 265.1
 98 54.4 51.8 77.6

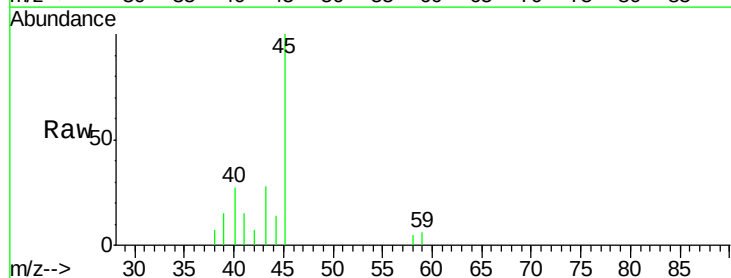


Abundance Ion 96.00 (95.70 to 96.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0

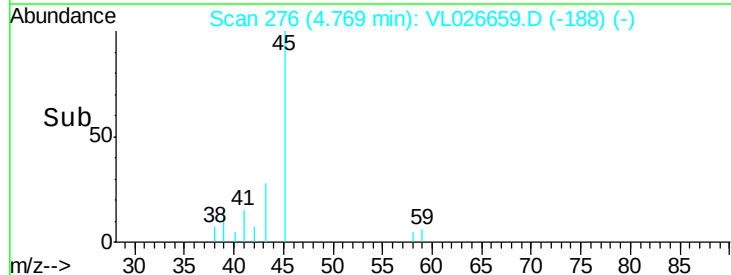
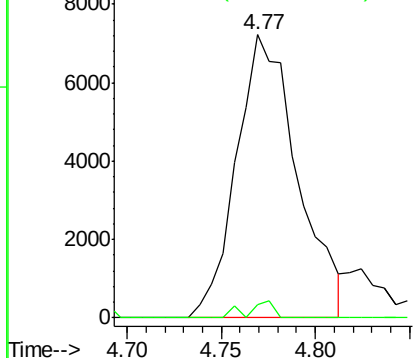


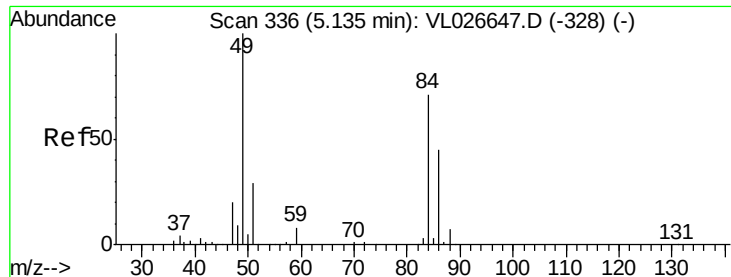
#19
 Isopropyl Alcohol
 Concen: 0.34 ppbv
 RT: 4.77 min Scan# 276
 Delta R.T. 0.04 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

Tgt Ion: 45 Resp: 16244
 Ion Ratio Lower Upper
 45 100
 58 185.8 1.3 1.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0

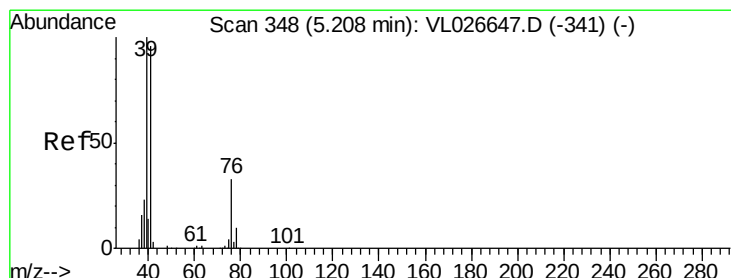
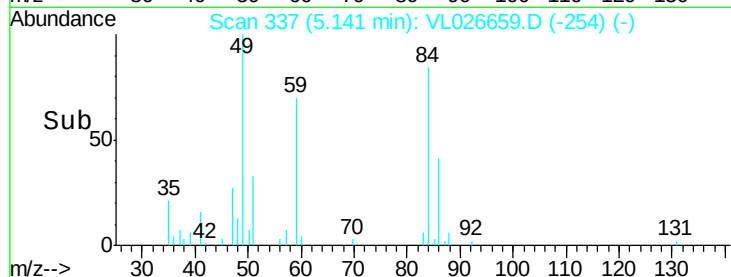
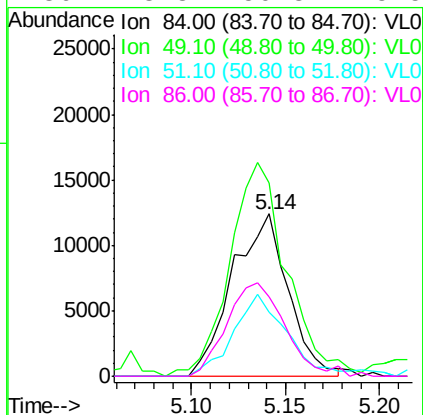
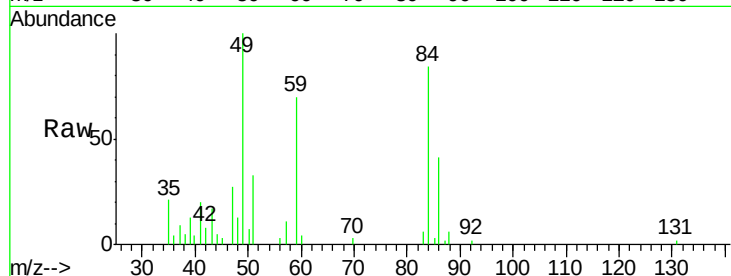




#20
Methylene Chloride
Concen: 0.54 ppbv
RT: 5.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

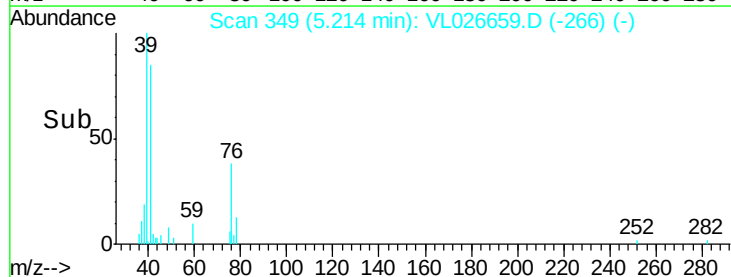
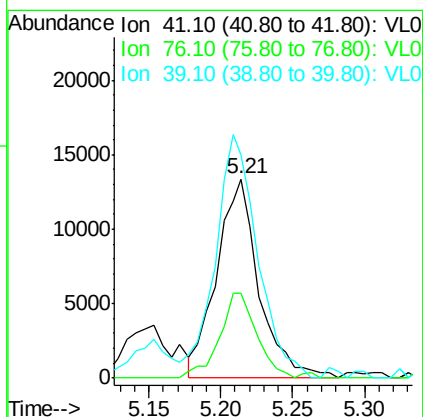
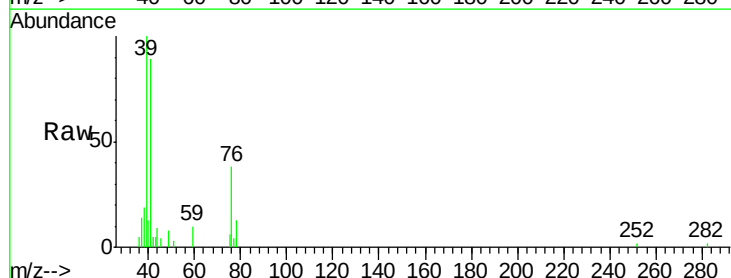
Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-1

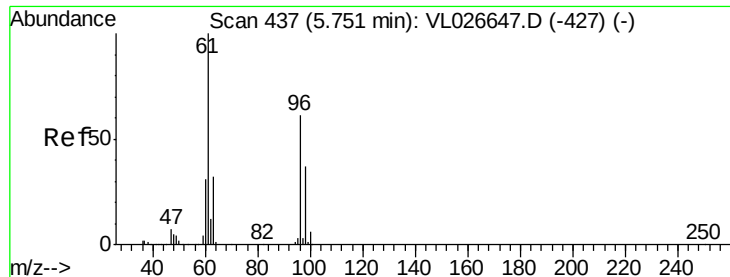
Tot Ion: 84 Resp: 25469
Ion Ratio Lower Upper
84 100
49 115.3 112.3 168.5
51 39.7 32.5 48.7
86 48.8 50.3 75.5#



#21
Allyl Chloride
Concen: 0.39 ppbv
RT: 5.21 min Scan# 349
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 41 Resp: 27374
Ion Ratio Lower Upper
41 100
76 38.4 27.5 41.3
39 141.5 83.0 124.6#





#22

trans-1,2-Dichloroethene

Concen: 0.43 ppbv

RT: 5.75 min Scan# 437

Delta R.T. -0.00 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

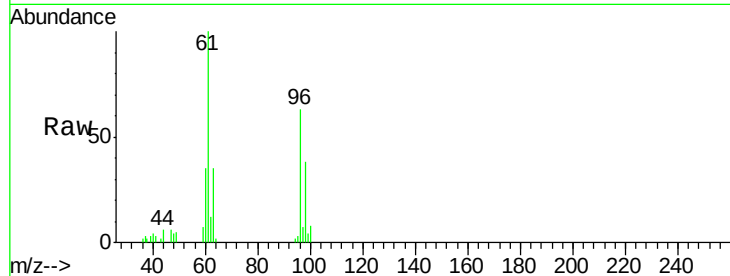
Tot Ion: 96 Resp: 24176

Ion Ratio Lower Upper

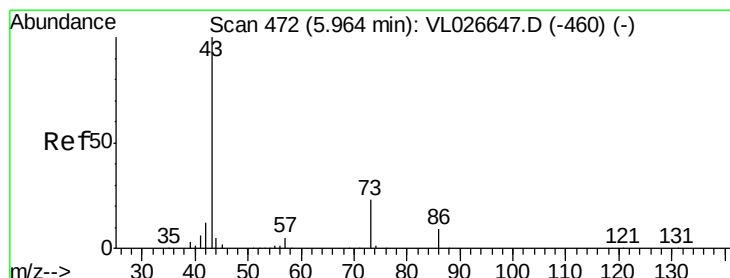
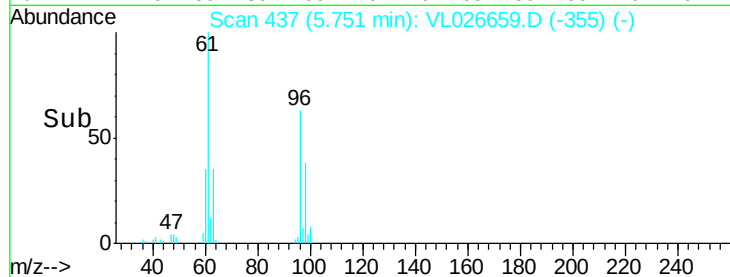
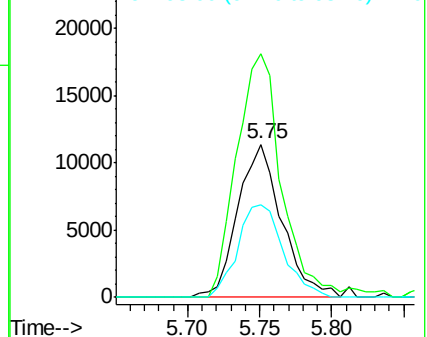
96 100

61 159.1 131.0 196.6

98 60.7 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: 0.35 ppbv

RT: 5.97 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Tgt Ion: 43 Resp: 61603

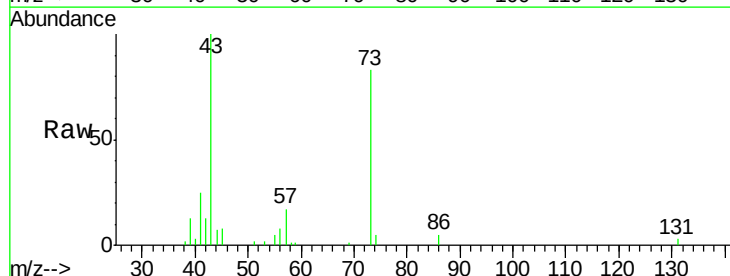
Ion Ratio Lower Upper

43 100

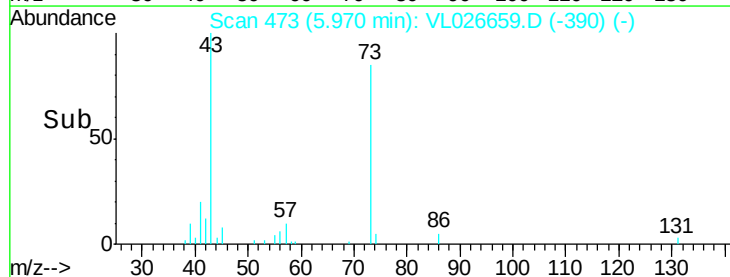
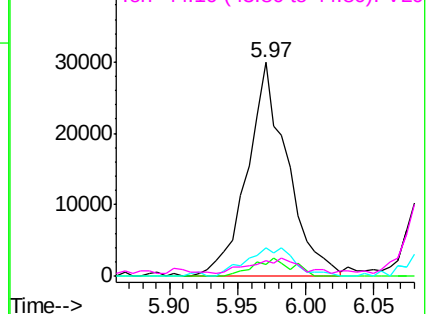
86 5.3 7.4 11.0#

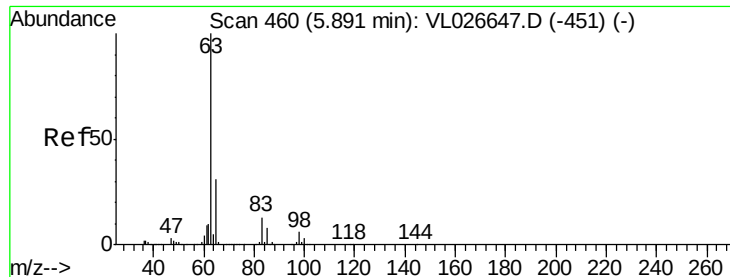
42 13.0 9.2 13.8

44 5.3 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: 0.41 ppbv

RT: 5.88 min Scan# 459

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

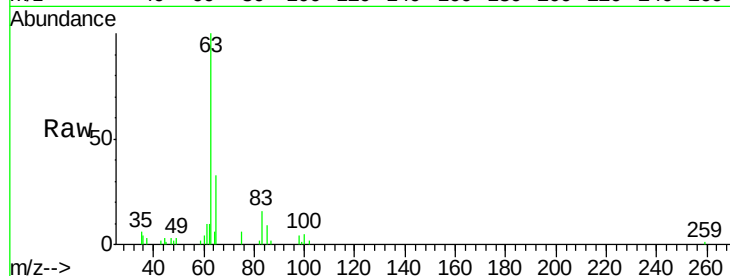
Tot Ion: 63 Resp: 52121

Ion Ratio Lower Upper

63 100

98 4.5 2.9 8.7

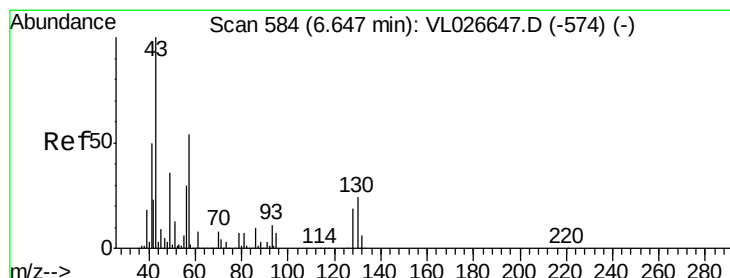
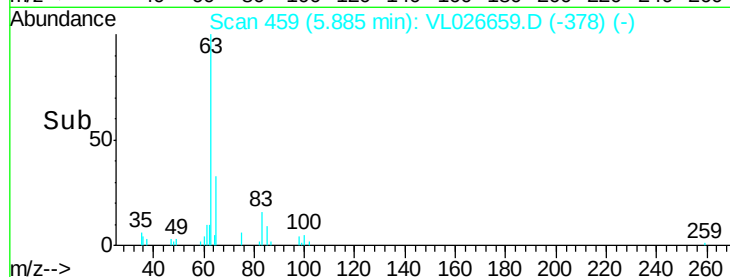
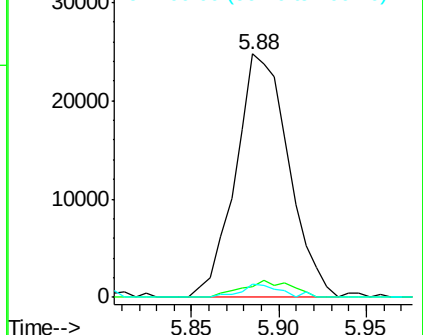
100 5.4 1.6 4.8#



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: 0.27 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.02 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Tgt Ion: 43 Resp: 47101

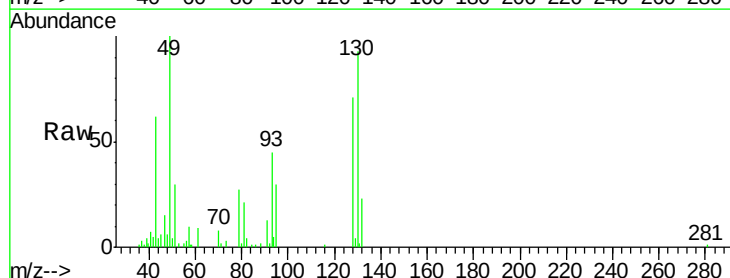
Ion Ratio Lower Upper

43 100

45 15.0 7.5 11.3#

61 13.9 7.3 10.9#

70 15.5 7.4 11.0#

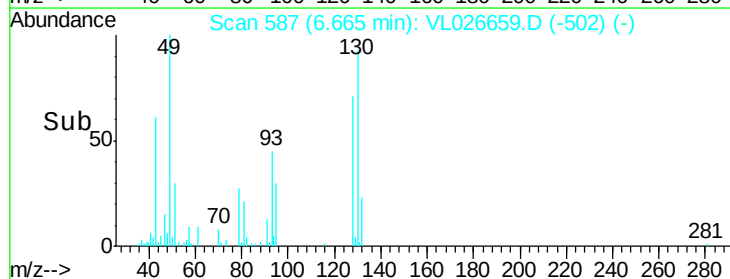
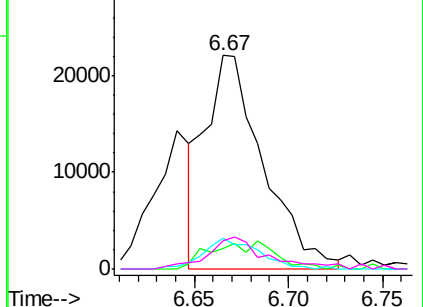


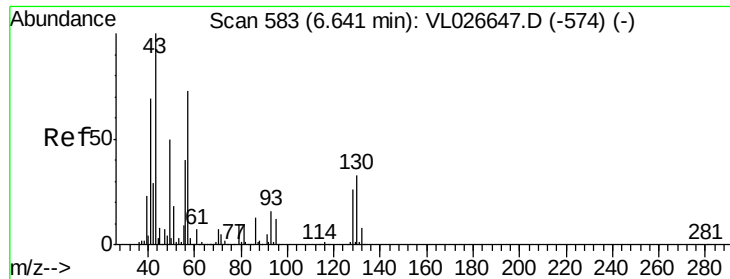
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

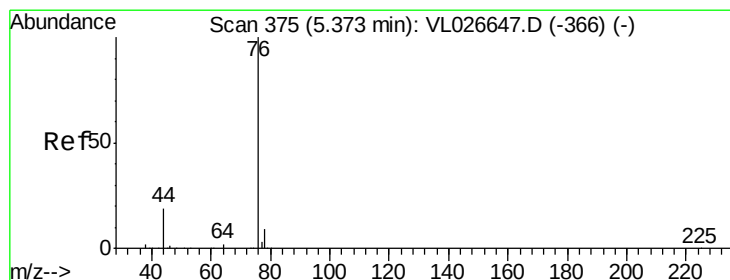
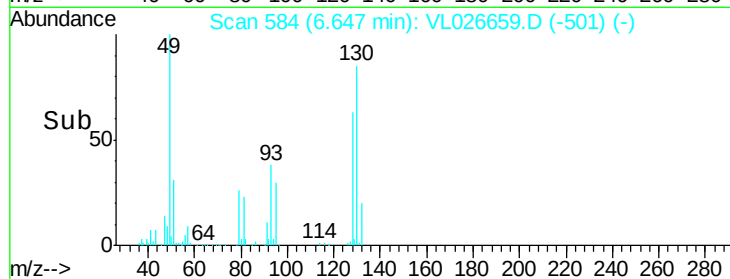
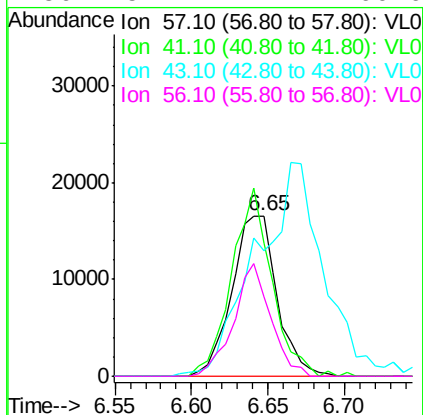
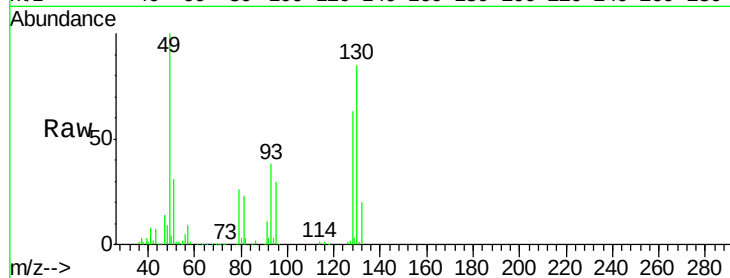




#26
Hexane
Concen: 0.37 ppbv
RT: 6.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

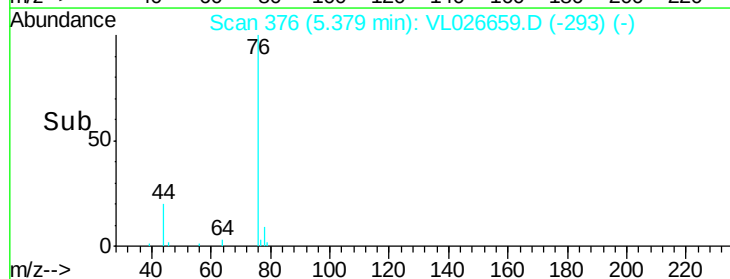
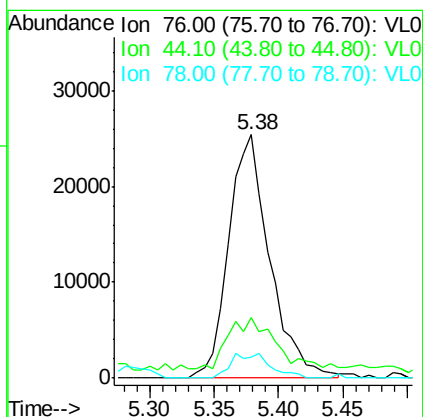
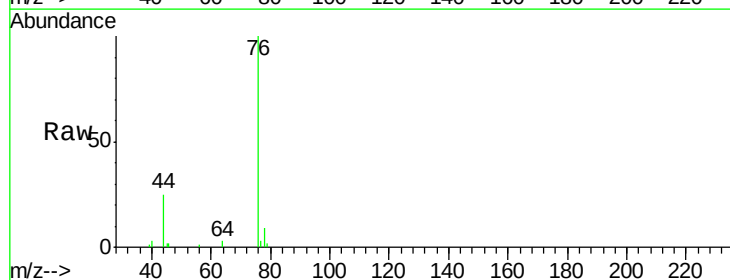
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

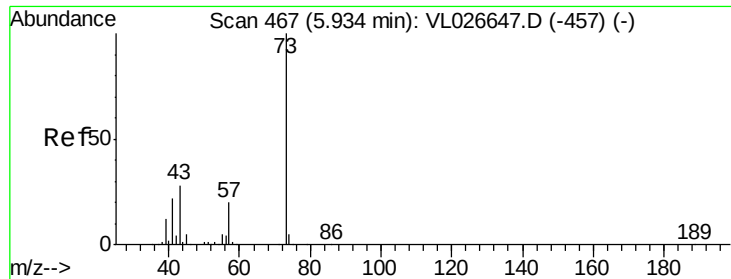
Tot Ion: 57 Resp: 33928
Ion Ratio Lower Upper
57 100
41 104.6 74.8 112.2
43 203.6 161.5 242.3
56 57.7 44.4 66.6



#27
Carbon Disulfide
Concen: 0.42 ppbv
RT: 5.38 min Scan# 376
Delta R.T. 0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 76 Resp: 56547
Ion Ratio Lower Upper
76 100
44 40.8 15.9 23.9#
78 9.4 7.6 11.4

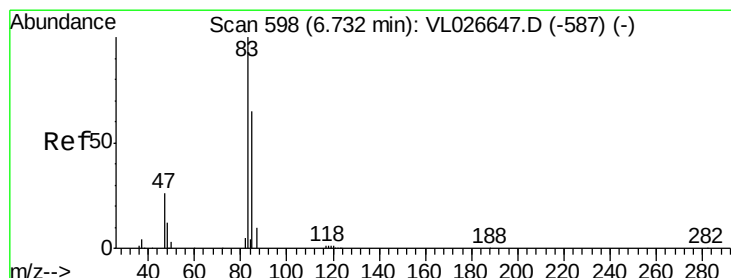
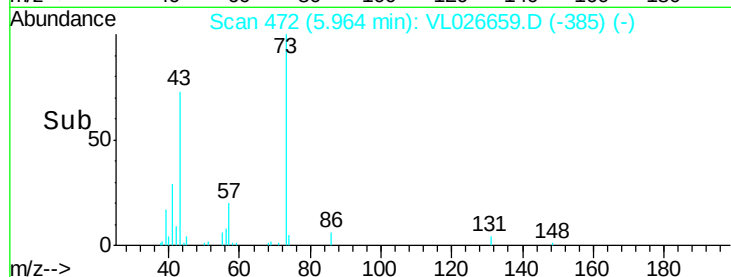
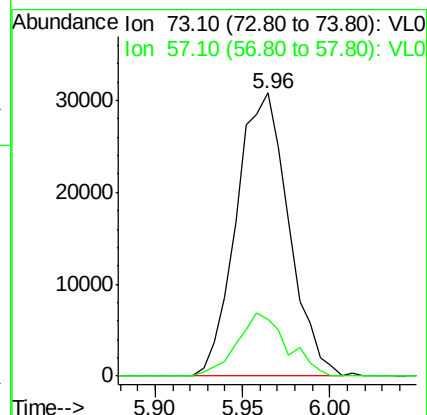
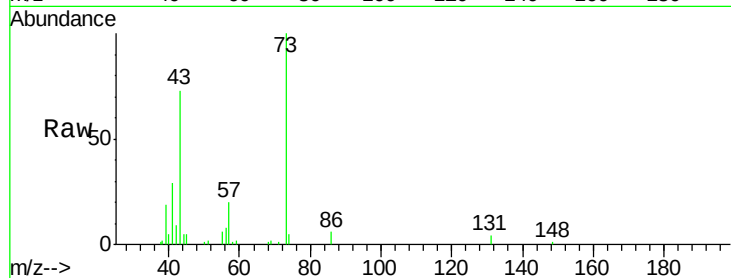




#28
Methyl tert-Butyl Ether
Concen: 0.35 ppbv
RT: 5.96 min Scan# 472
Delta R.T. 0.03 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

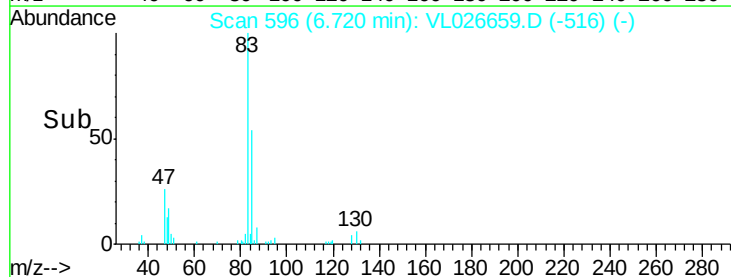
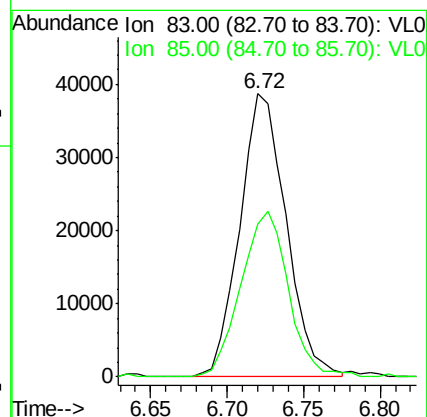
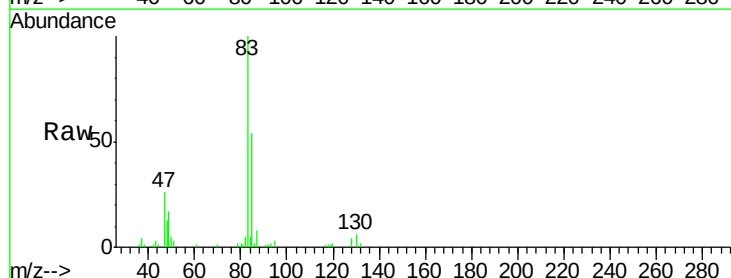
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

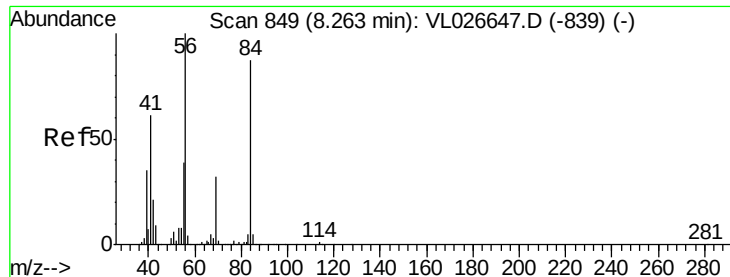
Tot Ion: 73 Resp: 64167
Ion Ratio Lower Upper
73 100
57 21.3 16.2 24.4



#29
Chloroform
Concen: 0.49 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 83 Resp: 81648
Ion Ratio Lower Upper
83 100
85 54.0 51.6 77.4

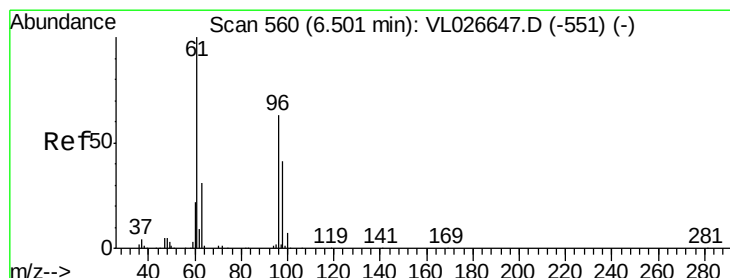
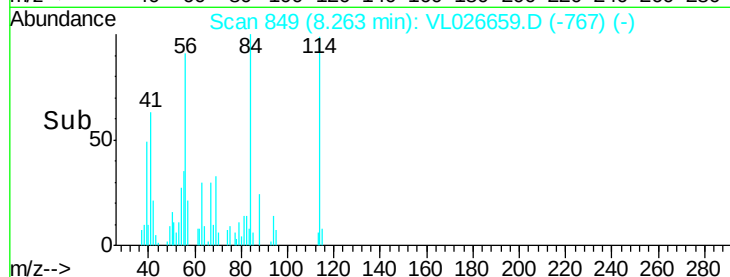
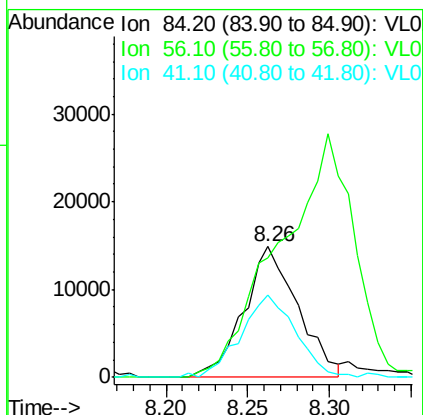
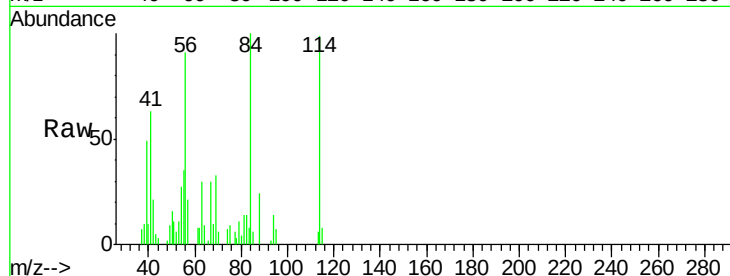




#30
Cvclohexane
Concen: 0.38 ppbv
RT: 8.26 min Scan# 849
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

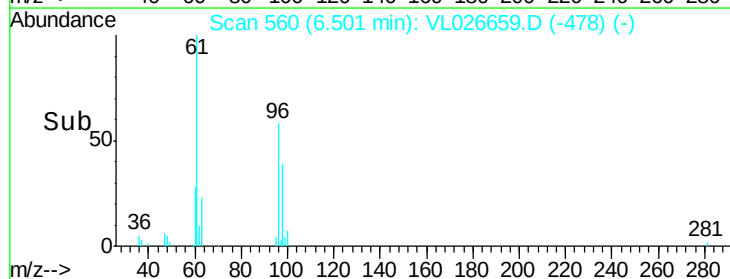
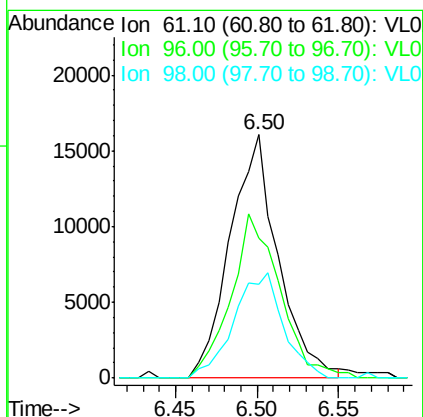
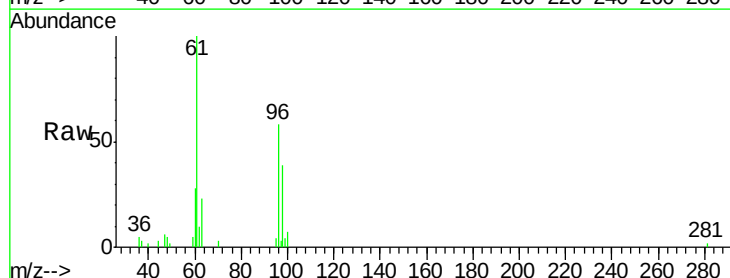
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

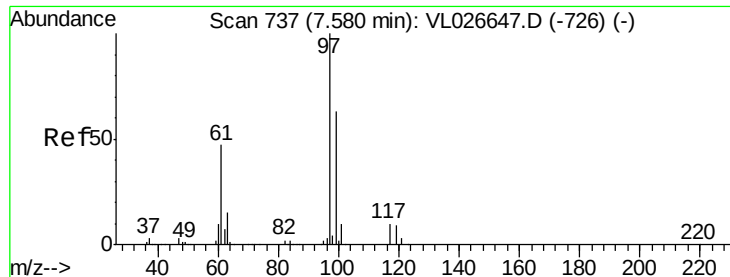
Tot Ion: 84 Resp: 34407
Ion Ratio Lower Upper
84 100
56 0.0 95.9 143.9#
41 65.1 54.8 82.2



#31
cis-1,2-Dichloroethene
Concen: 0.36 ppbv
RT: 6.50 min Scan# 560
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 61 Resp: 33011
Ion Ratio Lower Upper
61 100
96 57.7 50.2 75.4
98 38.6 32.4 48.6





#32

1,1,1-Trichloroethane

Concen: 0.40 ppbv

RT: 7.57 min Scan# 736

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

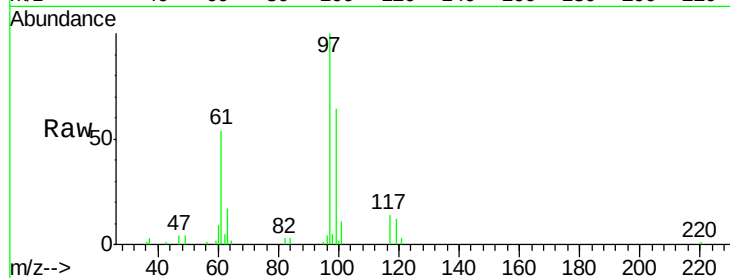
Tot Ion: 97 Resp: 75564

Ion Ratio Lower Upper

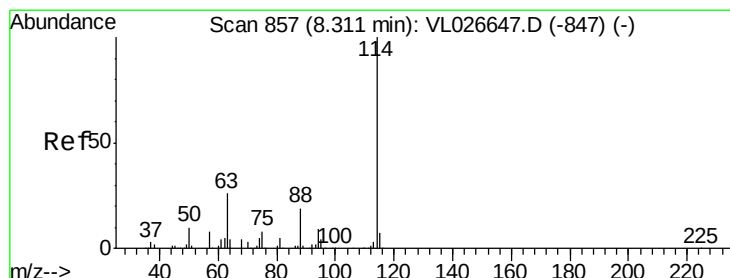
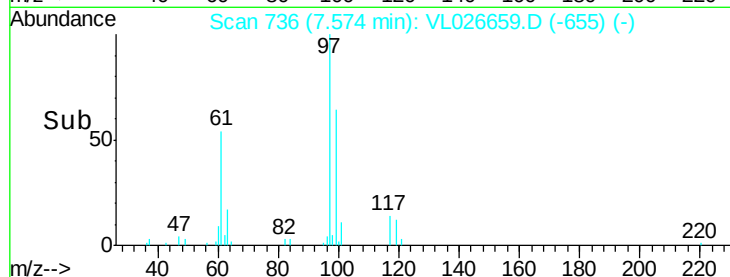
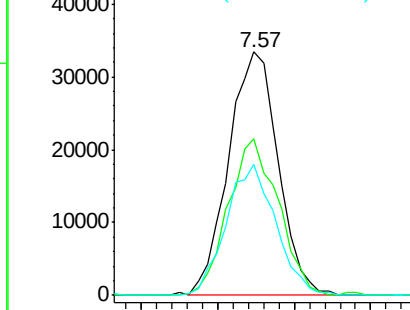
97 100

99 65.1 50.8 76.2

61 53.8 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: 8.31 min Scan# 856

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

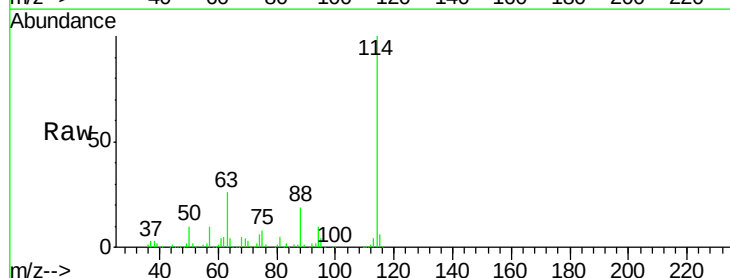
Tgt Ion: 114 Resp: 2205449

Ion Ratio Lower Upper

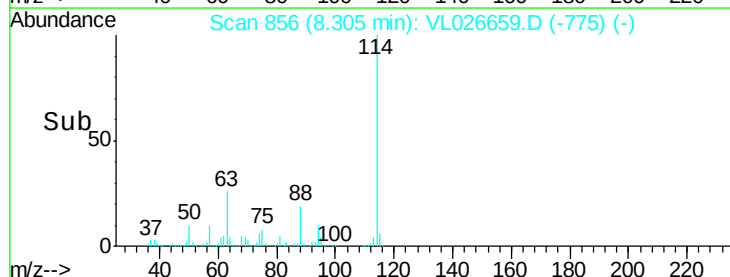
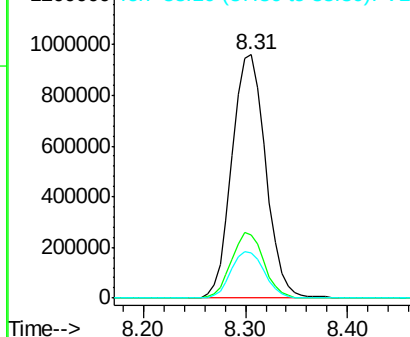
114 100

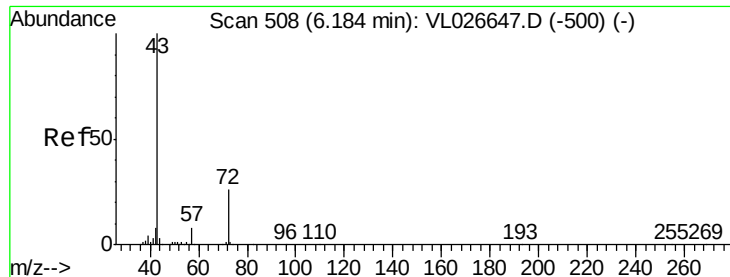
63 26.1 21.7 32.5

88 19.2 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

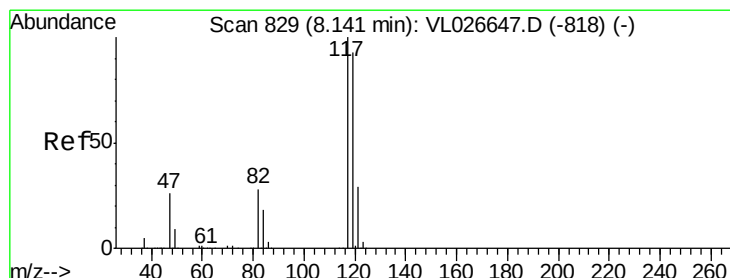
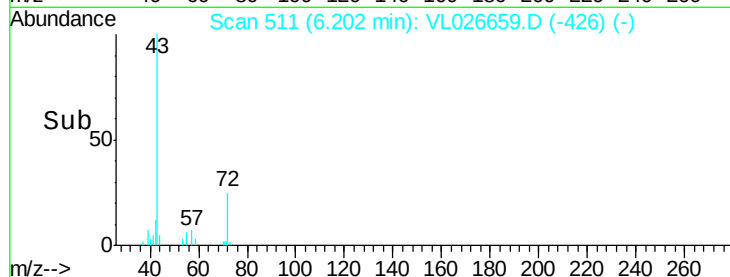
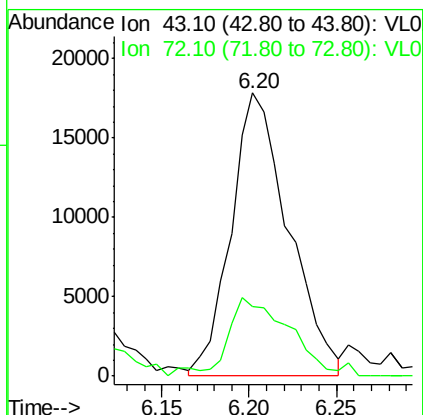
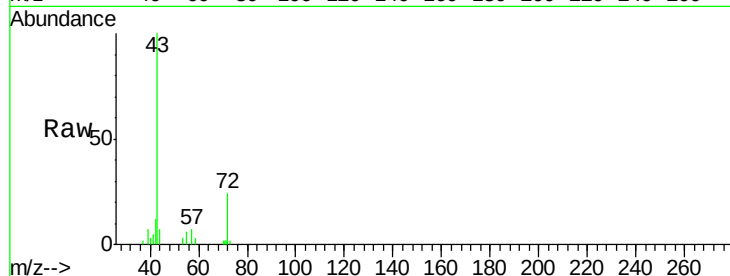




#34
2-Butanone
Concen: 0.35 ppbv
RT: 6.20 min Scan# 511
Delta R.T. 0.02 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

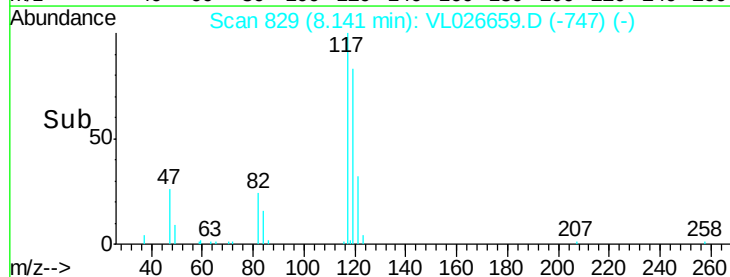
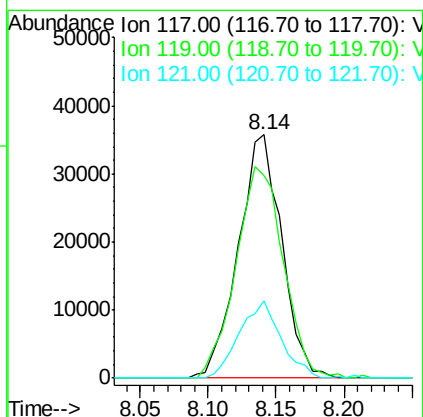
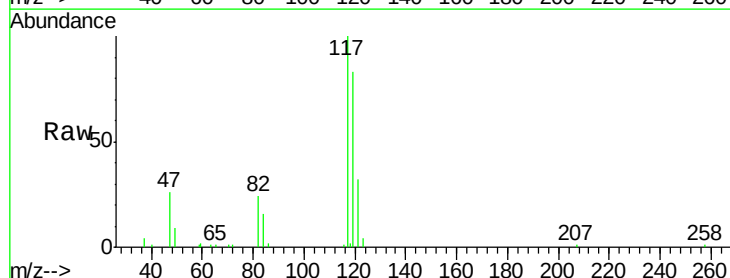
Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-1

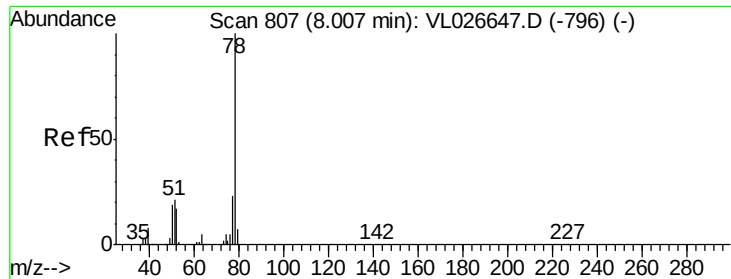
Tot Ion: 43 Resp: 40921
Ion Ratio Lower Upper
43 100
72 30.3 20.9 31.3



#35
Carbon Tetrachloride
Concen: 0.41 ppbv
RT: 8.14 min Scan# 829
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 117 Resp: 79715
Ion Ratio Lower Upper
117 100
119 83.2 74.7 112.1
121 31.7 23.1 34.7





#36

Benzene

Concen: 0.33 ppbv

RT: 7.99 min Scan# 805

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

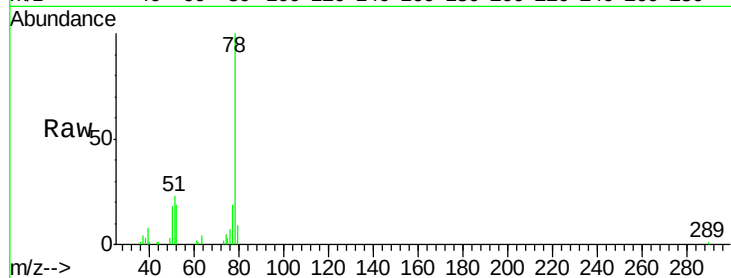
Tot Ion: 78 Resp: 75843

Ion Ratio Lower Upper

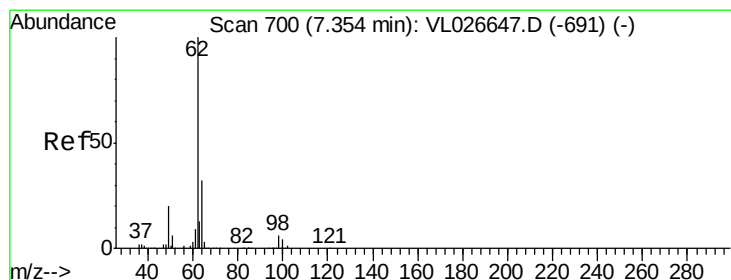
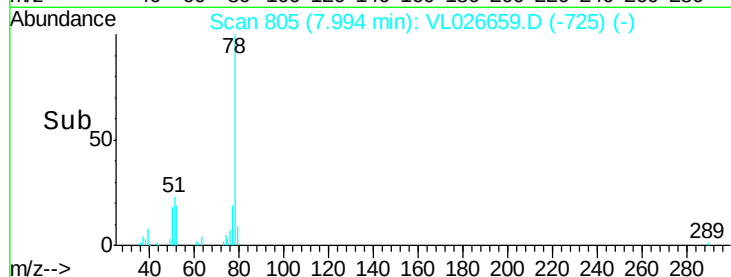
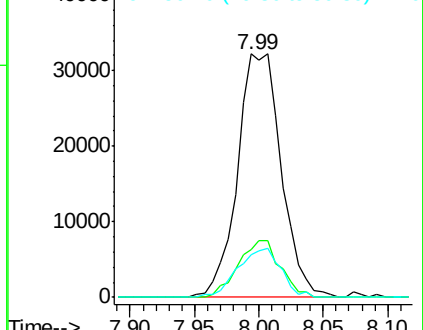
78 100

77 19.4 18.5 27.7

50 17.8 15.4 23.2



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.41 ppbv

RT: 7.35 min Scan# 699

Delta R.T. -0.01 min

Lab File: VL026659.D

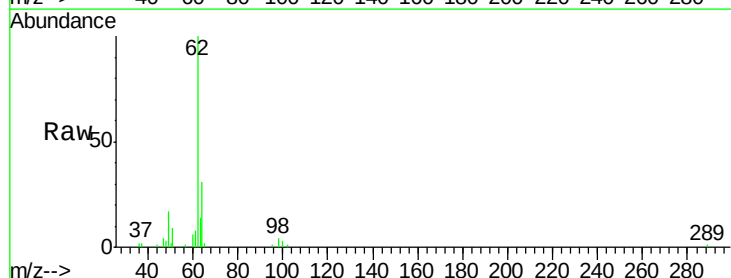
Acq: 9 Jan 2016 3:54

Tgt Ion: 62 Resp: 63566

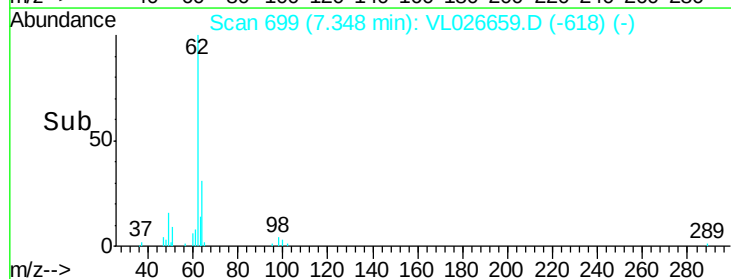
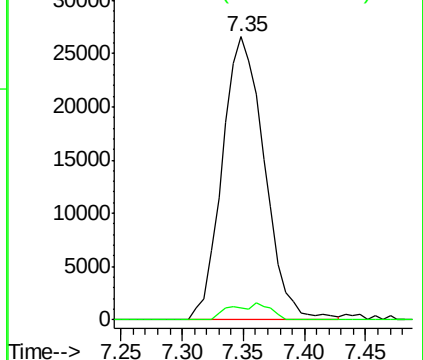
Ion Ratio Lower Upper

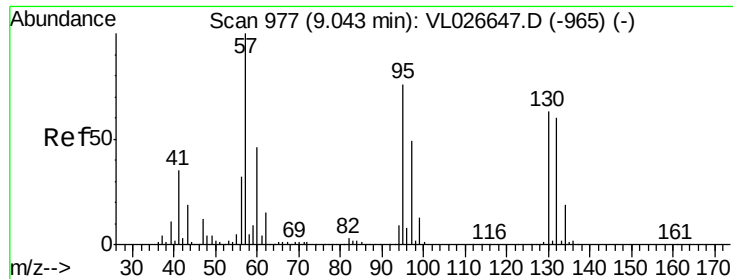
62 100

98 5.6 4.8 7.2



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.38 ppbv

RT: 9.04 min Scan# 977

Delta R.T. -0.00 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

Tot Ion:130 Resp: 38844

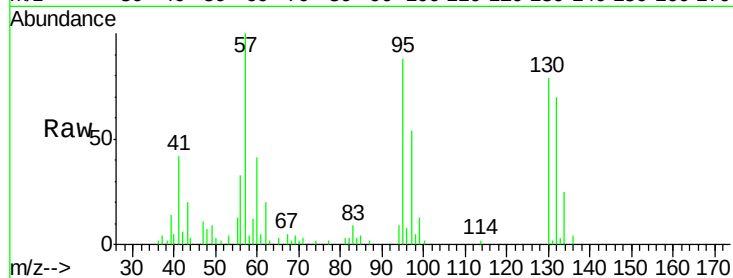
Ion Ratio Lower Upper

130 100

95 112.2 96.6 145.0

132 89.0 76.2 114.4

97 68.4 62.3 93.5

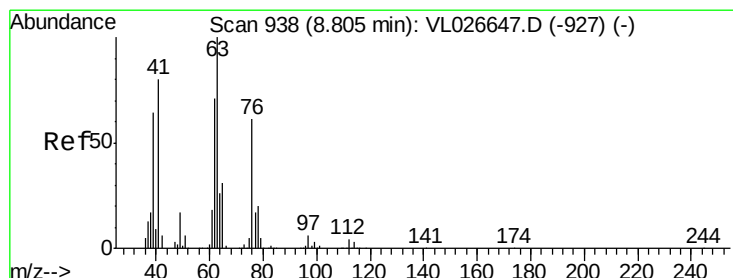
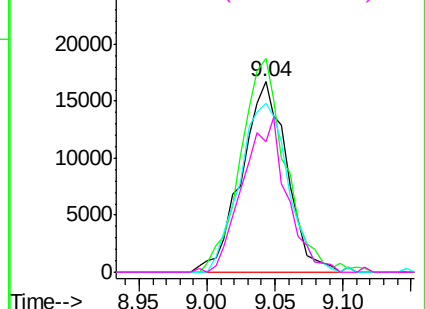
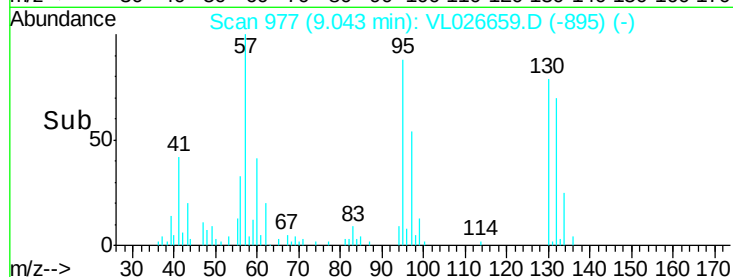


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.41 ppbv

RT: 8.80 min Scan# 937

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

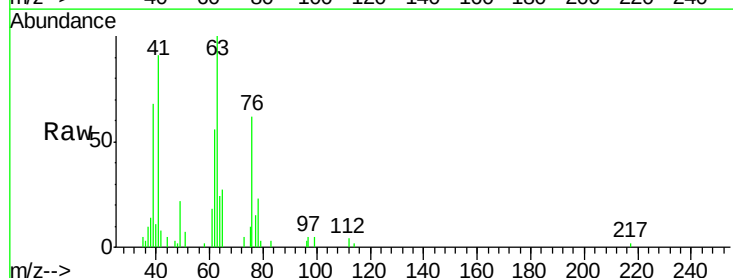
Tgt Ion: 63 Resp: 32400

Ion Ratio Lower Upper

63 100

41 90.6 64.1 96.1

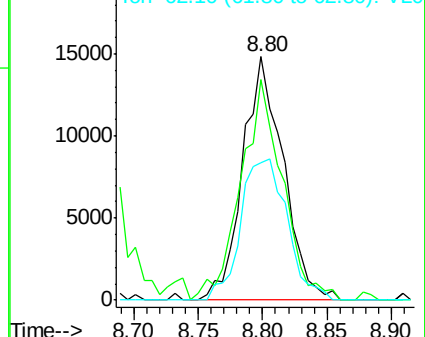
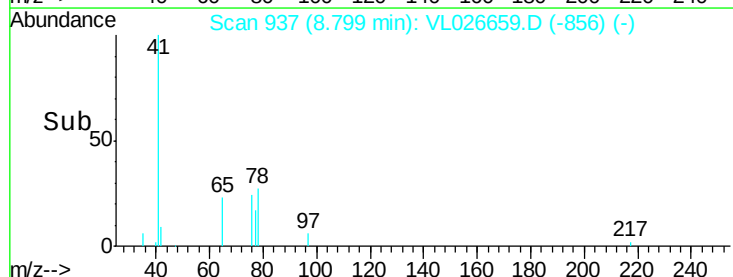
62 56.4 56.6 84.8#

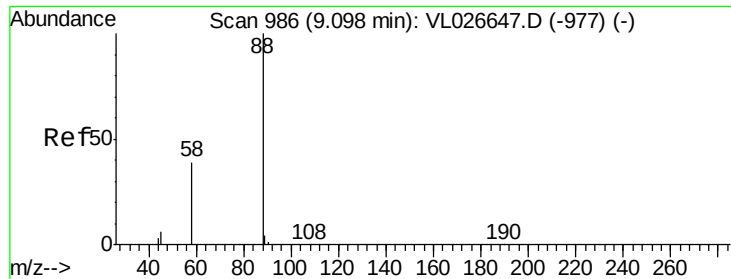


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#40

1,4-Dioxane

Concen: 0.09 ppbv

RT: 9.16 min Scan# 996

Delta R.T. 0.06 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

Tot Ion: 88 Resp: 1655

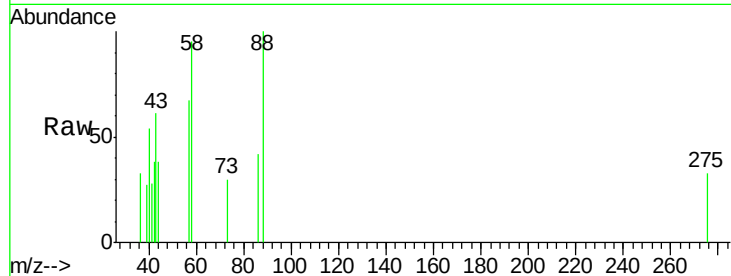
Ion Ratio Lower Upper

88 100

58 0.0 109.4 164.2#

43 127.7 238.2 357.2#

57 0.0 1148.3 1722.5#

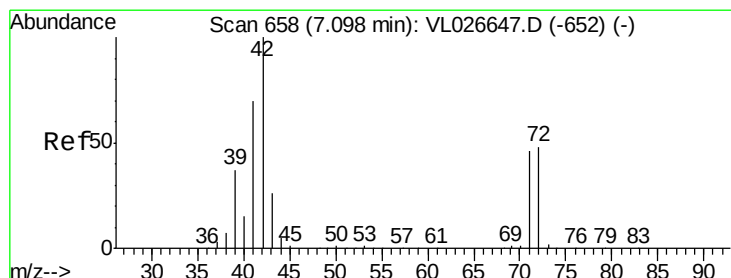
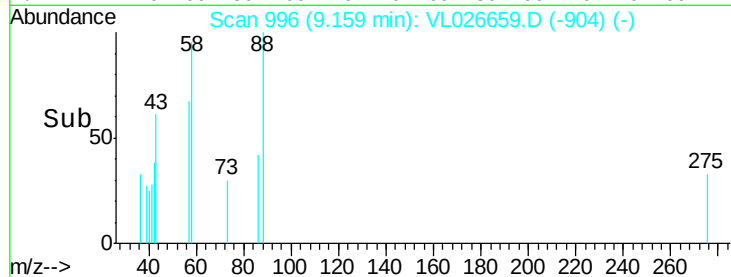
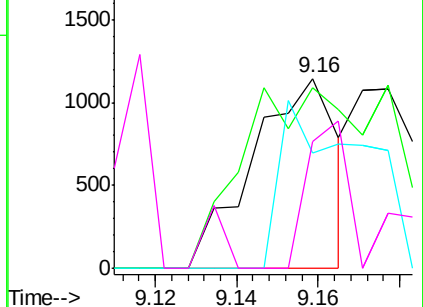


Abundance Ion 88.10 (87.80 to 88.80): VL0

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



#41

Tetrahydrofuran

Concen: 0.29 ppbv

RT: 7.14 min Scan# 665

Delta R.T. 0.04 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

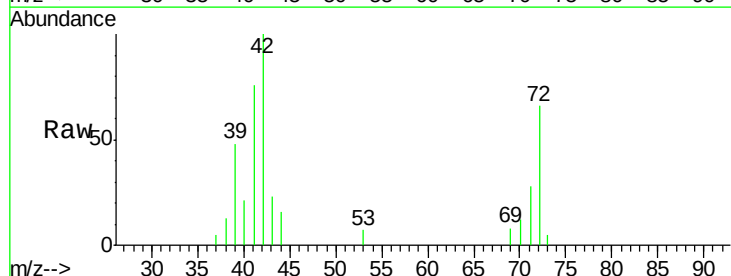
Tgt Ion: 42 Resp: 16884

Ion Ratio Lower Upper

42 100

72 50.7 40.6 60.8

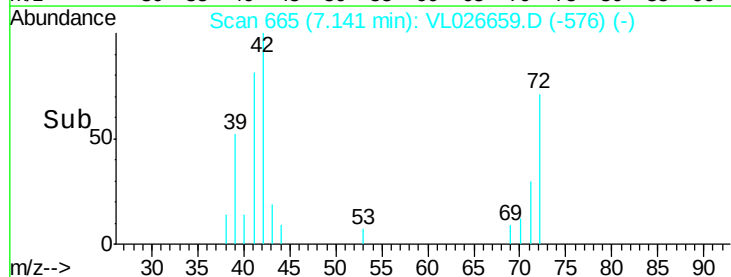
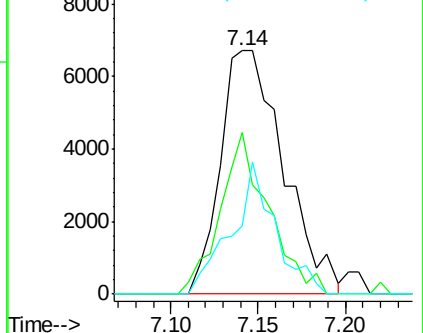
71 37.5 38.4 57.6#

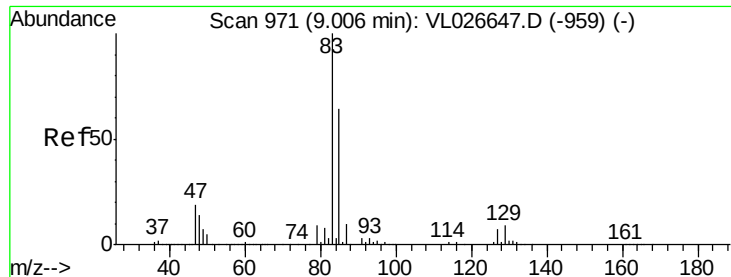


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.40 ppbv

RT: 8.99 min Scan# 969

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

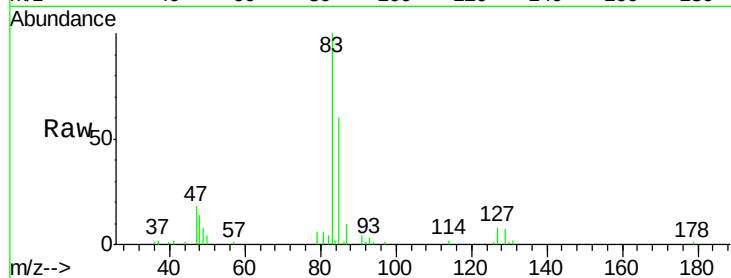
Tot Ion: 83 Resp: 80712

Ion Ratio Lower Upper

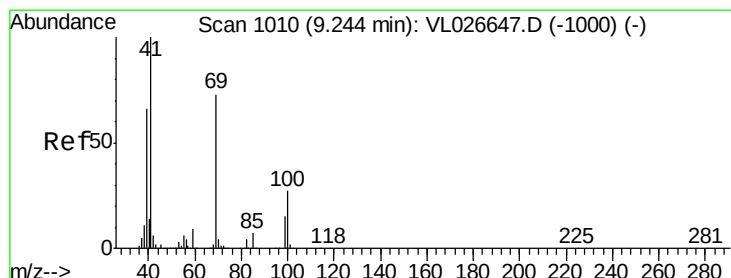
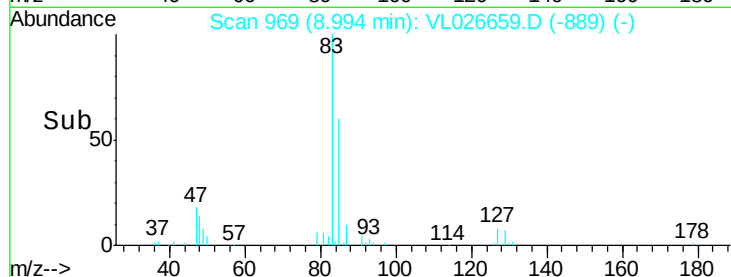
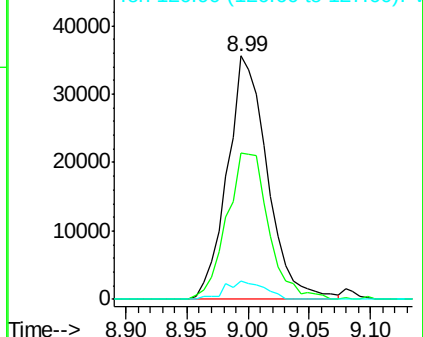
83 100

85 59.8 50.9 76.3

127 7.5 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): VL0



#43

Methyl Methacrylate

Concen: 0.30 ppbv

RT: 9.25 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

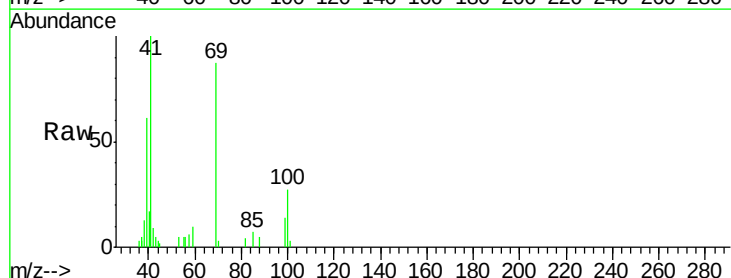
Tgt Ion: 69 Resp: 24564

Ion Ratio Lower Upper

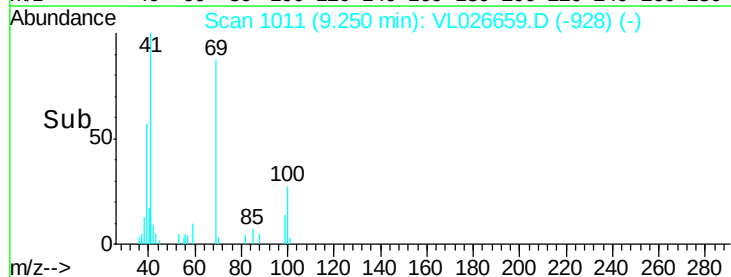
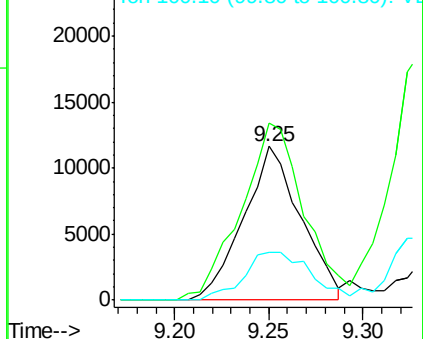
69 100

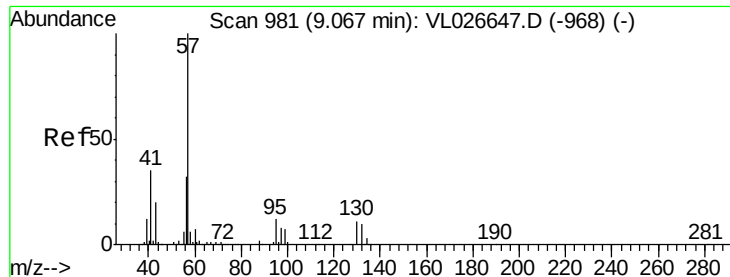
41 125.1 106.1 159.1

100 38.3 29.0 43.4



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.34 ppbv

RT: 9.06 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

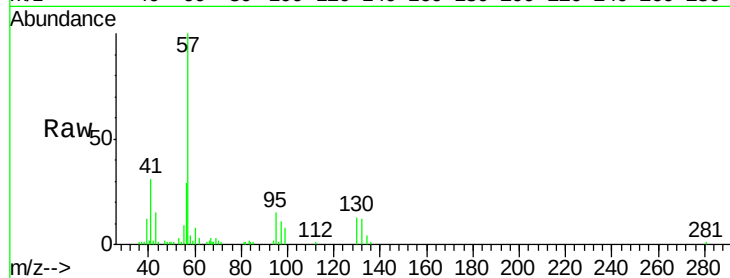
Tot Ion: 57 Resp: 125360

Ion Ratio Lower Upper

57 100

41 34.9 26.9 40.3

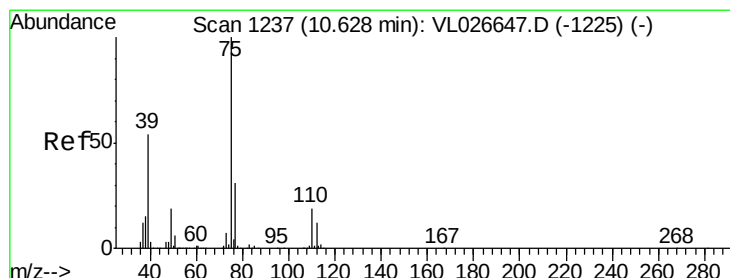
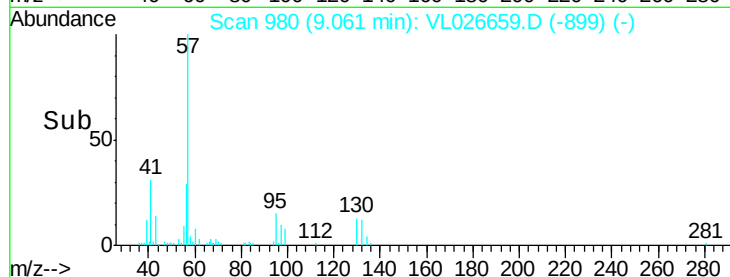
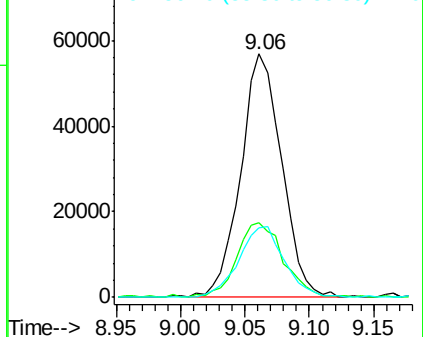
56 32.6 25.4 38.0



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#45

t-1,3-Dichloropropene

Concen: 0.27 ppbv

RT: 10.63 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VL026659.D

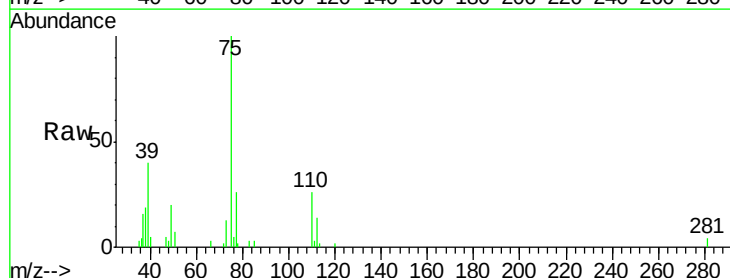
Acq: 9 Jan 2016 3:54

Tgt Ion: 75 Resp: 36842

Ion Ratio Lower Upper

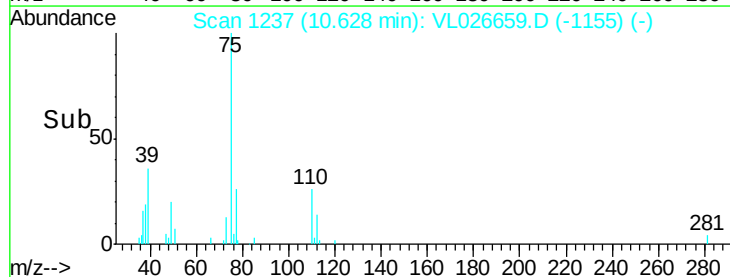
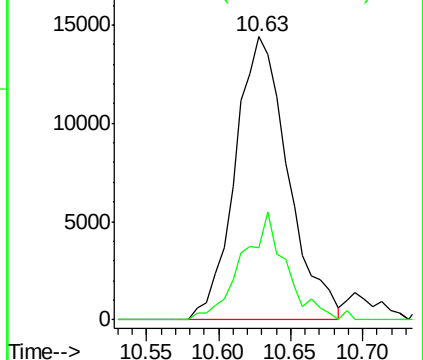
75 100

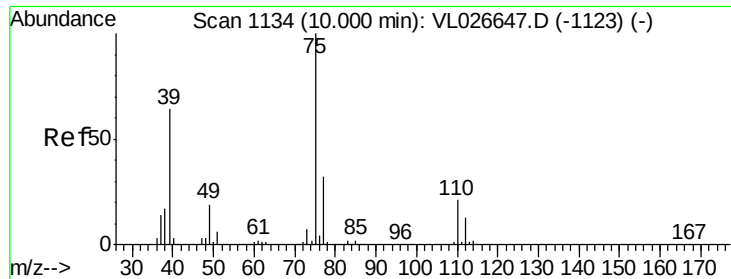
77 27.9 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

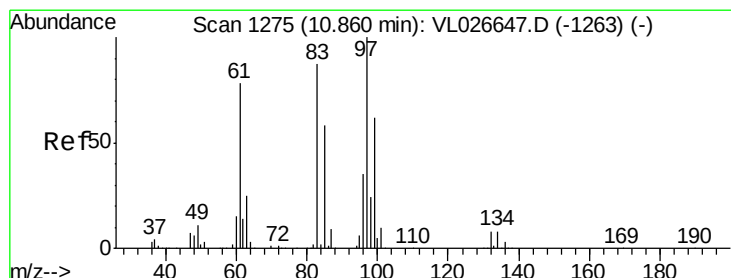
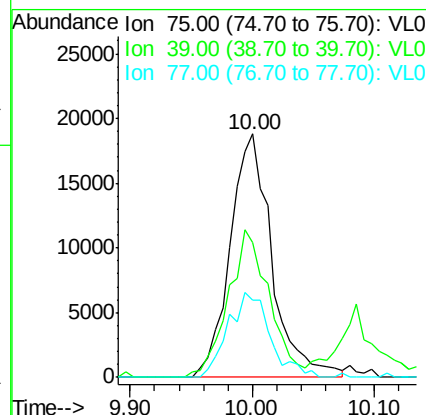
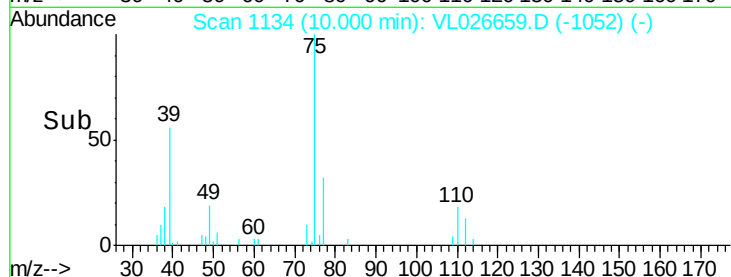
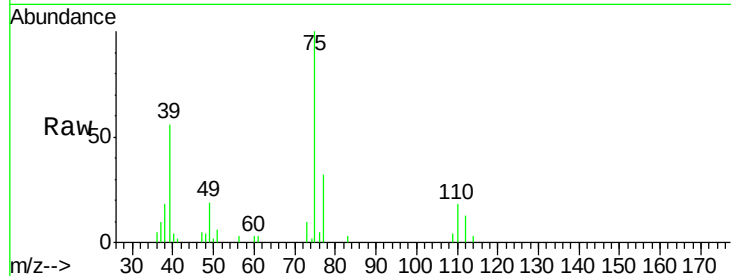




#46
 cis-1,3-Dichloropropene
 Concen: 0.29 ppbv
 RT: 10.00 min Scan# 1134
 Delta R.T. -0.00 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

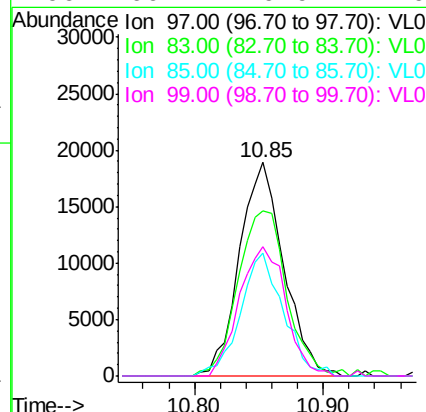
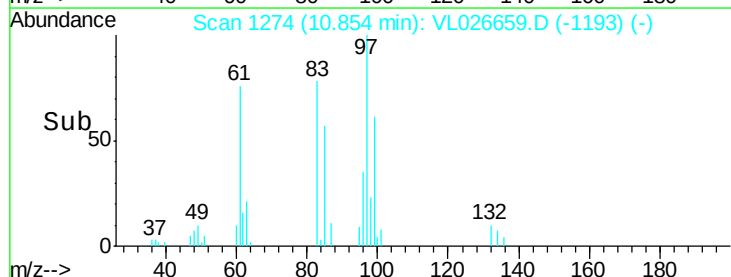
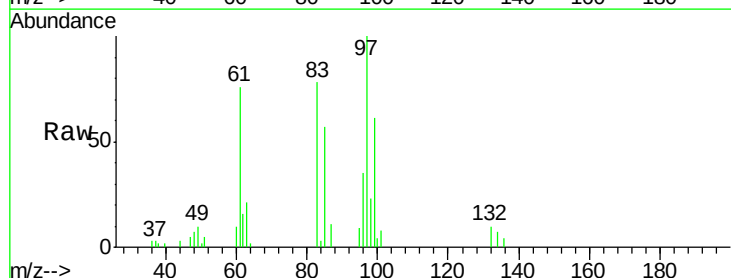
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1

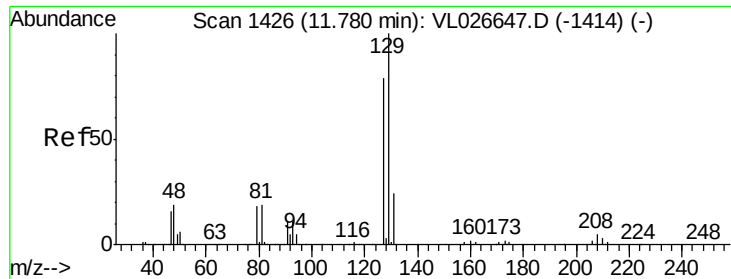
Tot Ion: 75 Resp: 44501
 Ion Ratio Lower Upper
 75 100
 39 53.5 51.2 76.8
 77 31.7 25.9 38.9



#47
 1,1,2-Trichloroethane
 Concen: 0.40 ppbv
 RT: 10.85 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

Tgt Ion: 97 Resp: 45167
 Ion Ratio Lower Upper
 97 100
 83 77.5 69.5 104.3
 85 57.3 46.4 69.6
 99 60.7 49.9 74.9

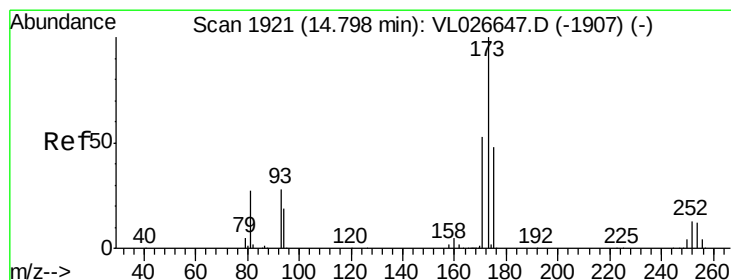
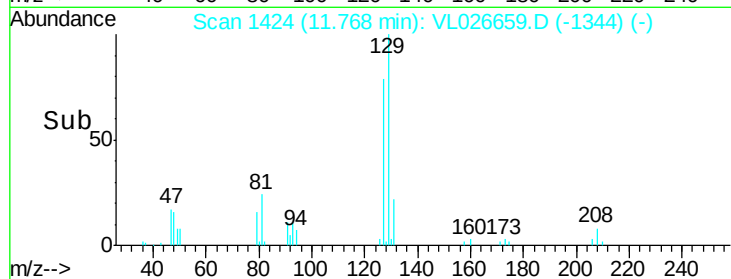
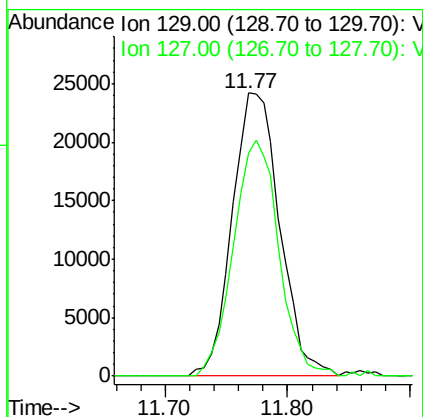
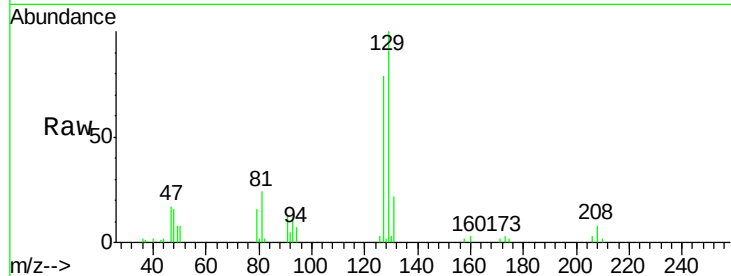




#48
Dibromochloromethane
Concen: 0.39 ppbv
RT: 11.77 min Scan# 1424
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

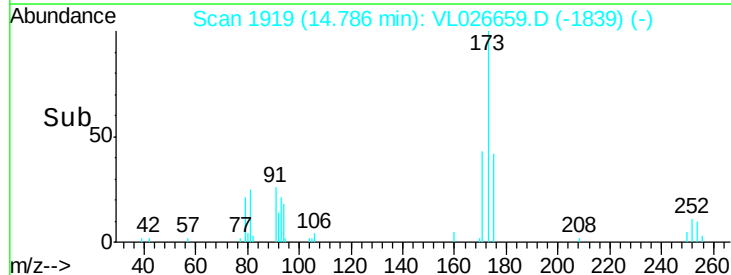
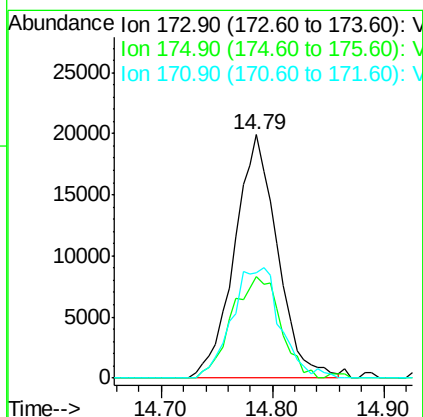
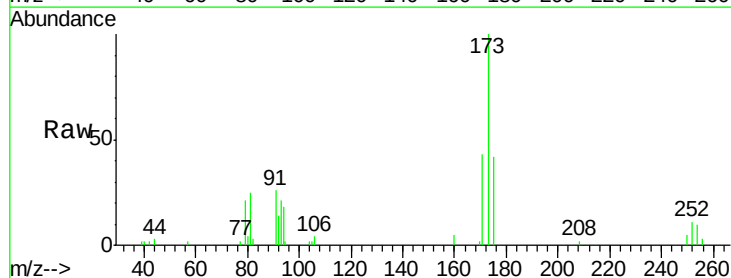
Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-1

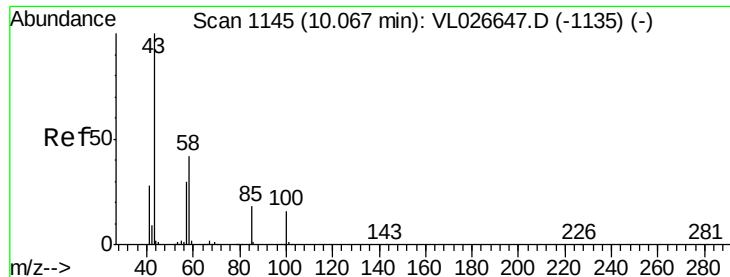
Tot Ion:129 Resp: 65286
Ion Ratio Lower Upper
129 100
127 79.9 39.5 118.5



#49
Bromoform
Concen: 0.39 ppbv
RT: 14.79 min Scan# 1919
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion:173 Resp: 53338
Ion Ratio Lower Upper
173 100
175 47.7 38.6 58.0
171 51.1 41.5 62.3

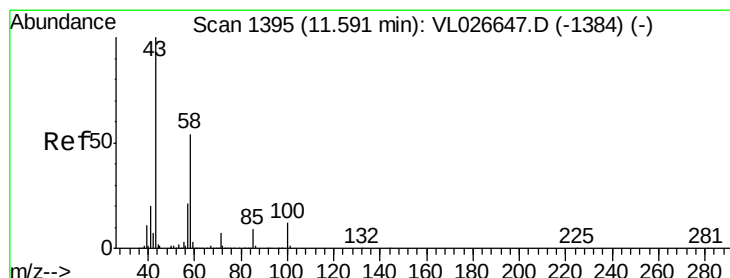
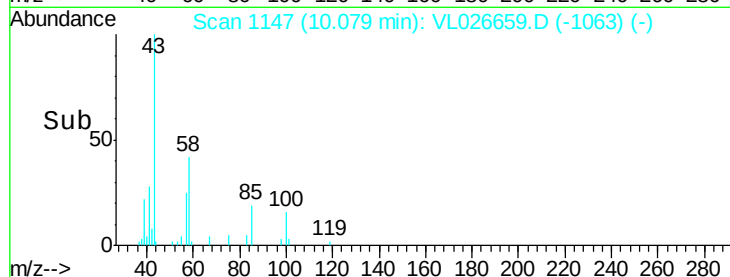
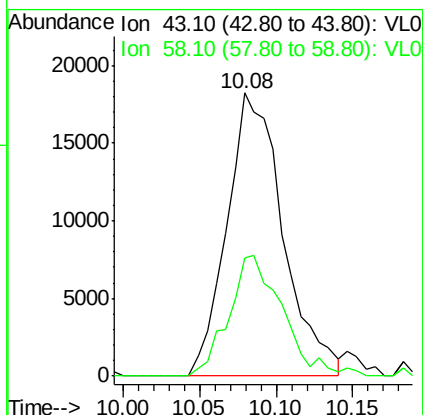
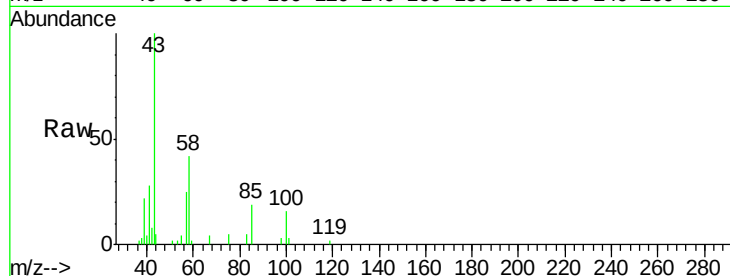




#50
 4-Methyl-2-Pentanone
 Concen: 0.28 ppbv
 RT: 10.08 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

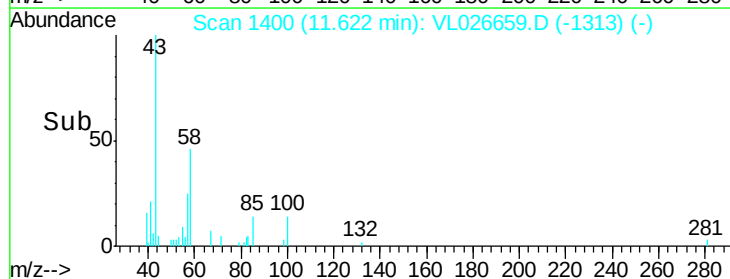
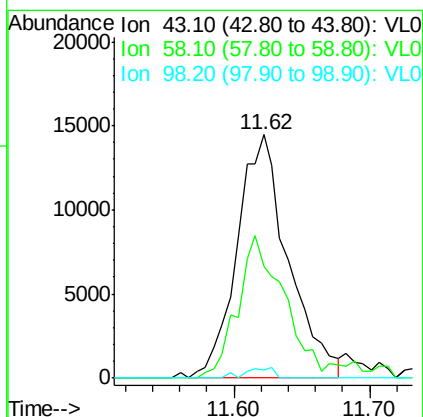
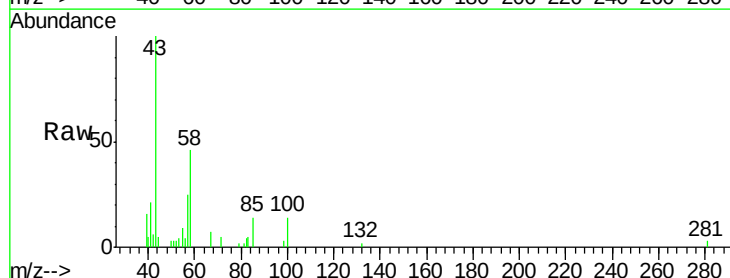
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1

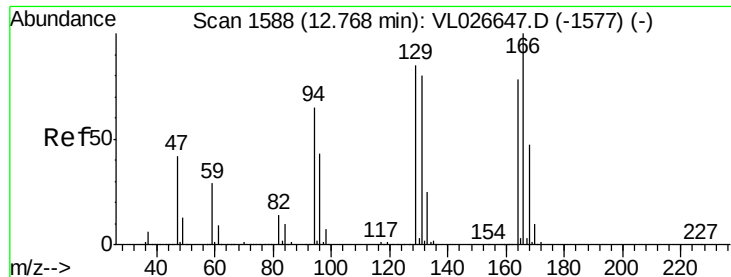
Tot Ion: 43 Resp: 46531
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.4 48.6



#51
 2-Hexanone
 Concen: 0.25 ppbv
 RT: 11.62 min Scan# 1400
 Delta R.T. 0.03 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

Tgt Ion: 43 Resp: 37888
 Ion Ratio Lower Upper
 43 100
 58 57.9 44.9 67.3
 98 2.3 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.38 ppbv

RT: 12.77 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

Tot Ion:164 Resp: 43026

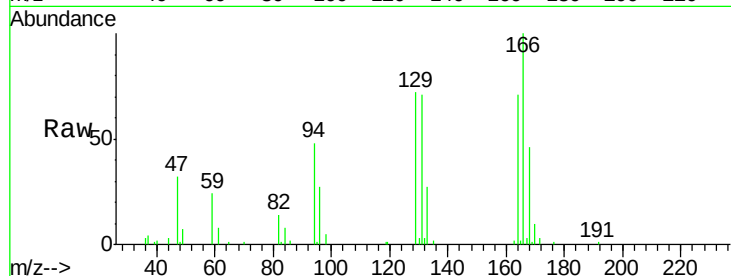
Ion Ratio Lower Upper

164 100

166 141.2 102.5 153.7

129 101.4 87.0 130.6

131 100.5 82.5 123.7

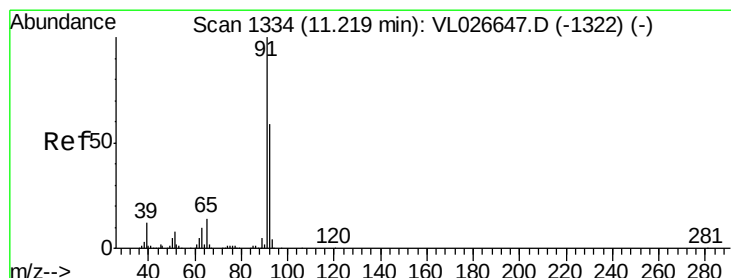
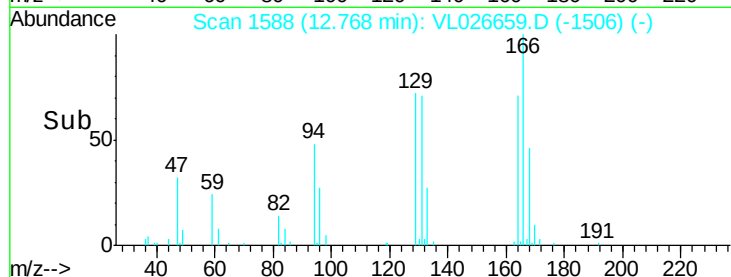
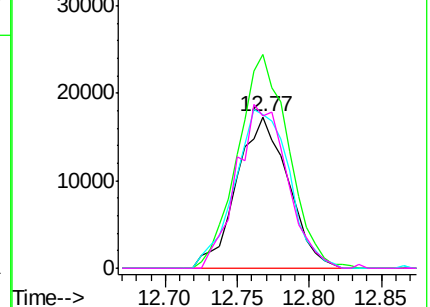


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.31 ppbv

RT: 11.21 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VL026659.D

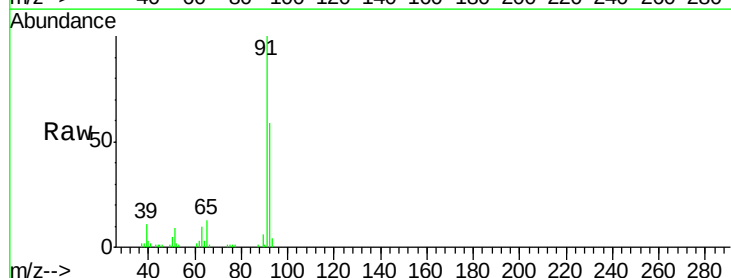
Acq: 9 Jan 2016 3:54

Tgt Ion: 91 Resp: 99294

Ion Ratio Lower Upper

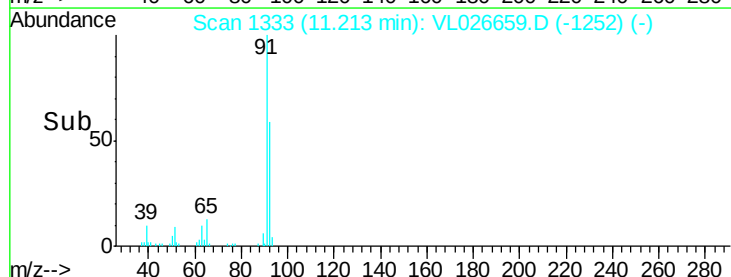
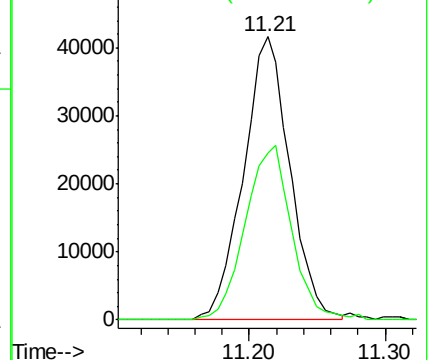
91 100

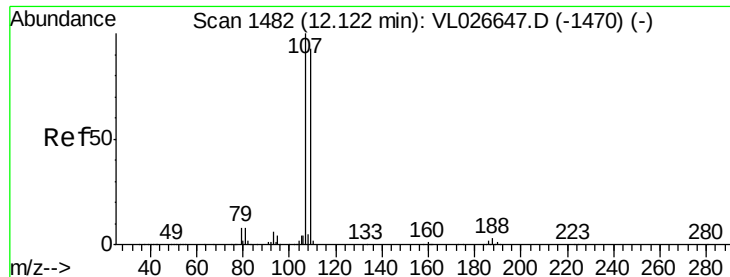
92 61.8 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

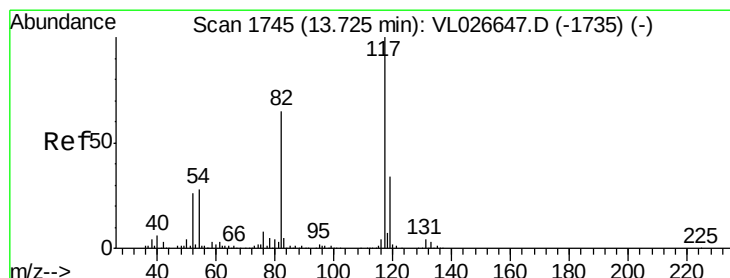
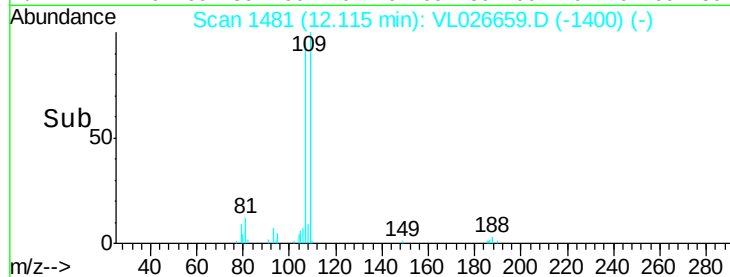
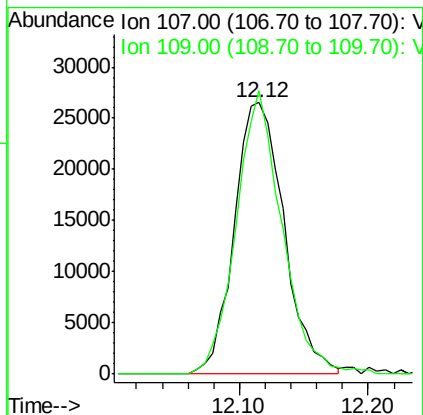
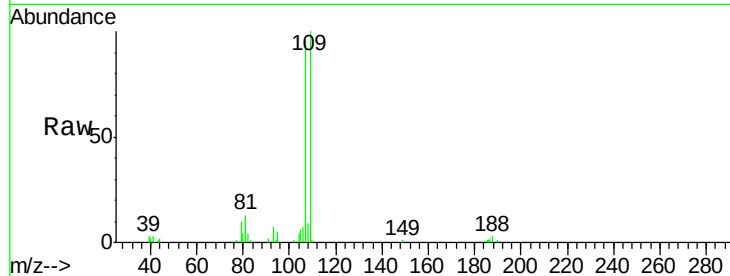




#54
 1,2-Dibromoethane
 Concen: 0.40 ppbv
 RT: 12.12 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

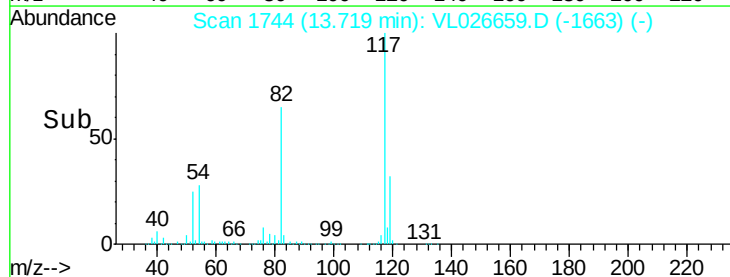
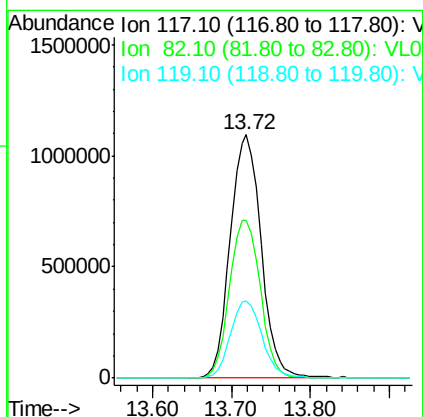
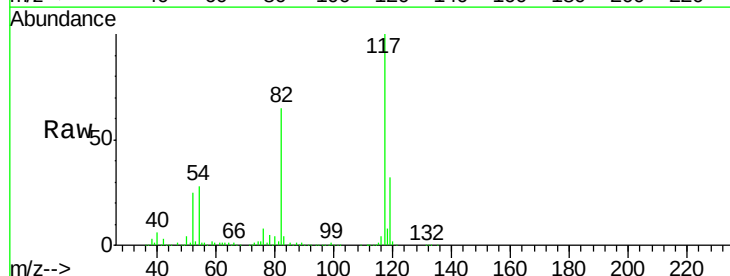
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1

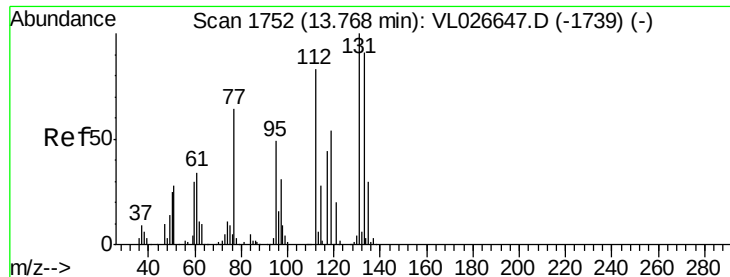
Tot Ion:107 Resp: 71051
 Ion Ratio Lower Upper
 107 100
 109 104.3 74.1 111.1



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 13.72 min Scan# 1744
 Delta R.T. -0.01 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

Tgt Ion:117 Resp: 2997014
 Ion Ratio Lower Upper
 117 100
 82 64.9 49.7 74.5
 119 33.0 43.8 65.8#





#56

1,1,1,2-Tetrachloroethane

Concen: 0.43 ppbv

RT: 13.76 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

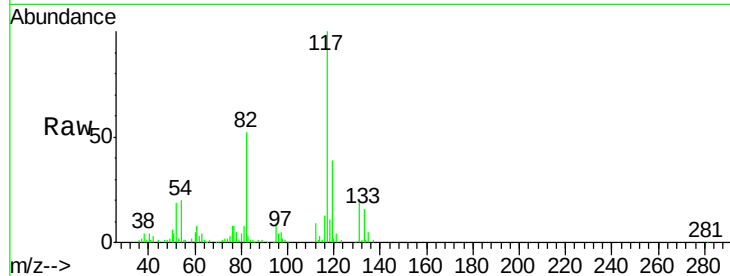
Tot Ion:131 Resp: 59726

Ion Ratio Lower Upper

131 100

133 95.0 76.2 114.4

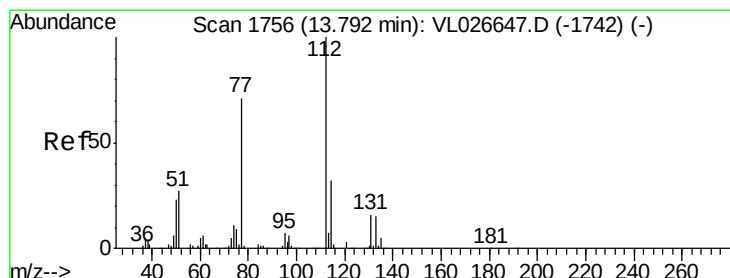
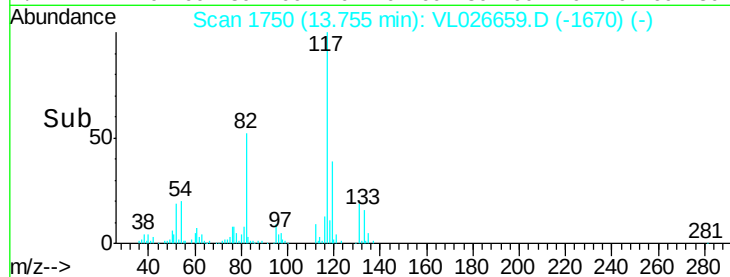
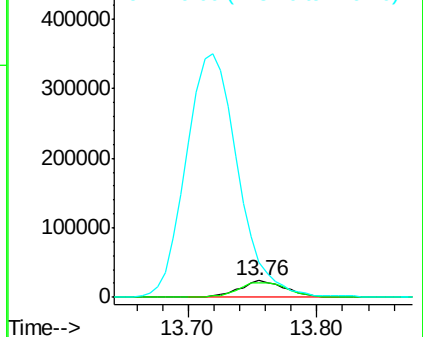
119 1656.2 104.3 156.5#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#57

Chlorobenzene

Concen: 0.45 ppbv

RT: 13.79 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

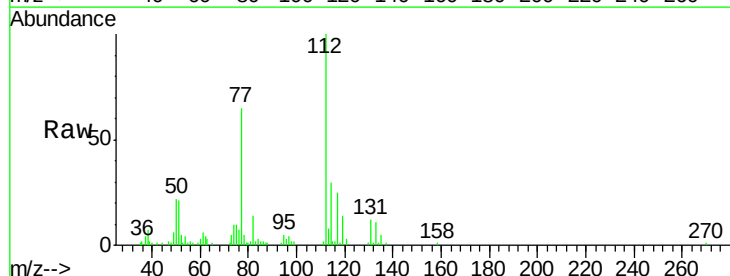
Tgt Ion:112 Resp: 138260

Ion Ratio Lower Upper

112 100

77 63.6 56.9 85.3

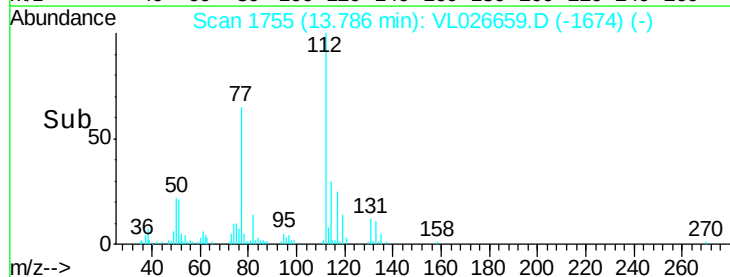
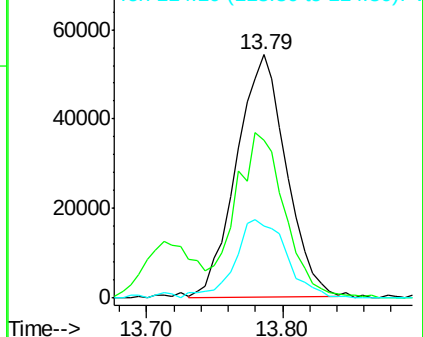
114 29.1 28.8 35.2

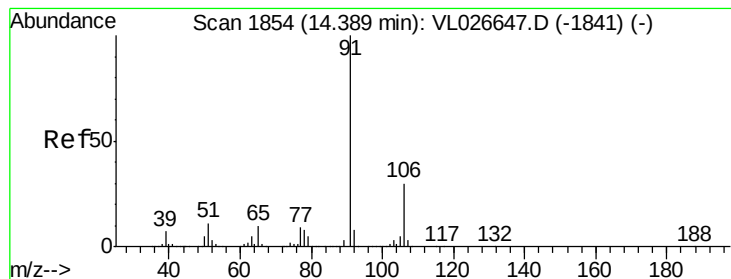


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 0.33 ppbv

RT: 14.39 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

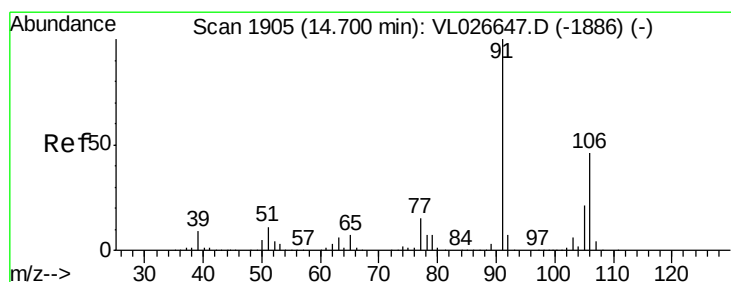
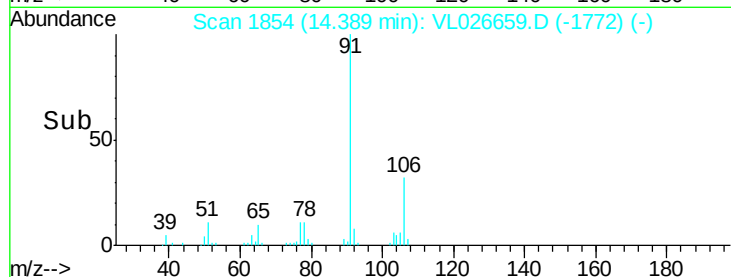
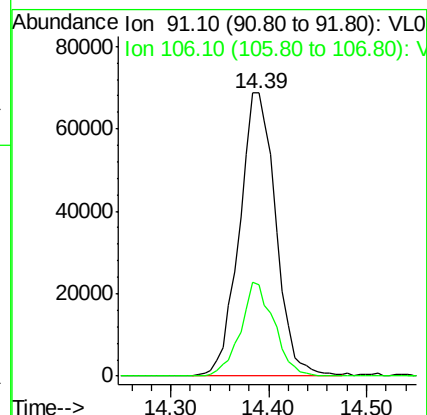
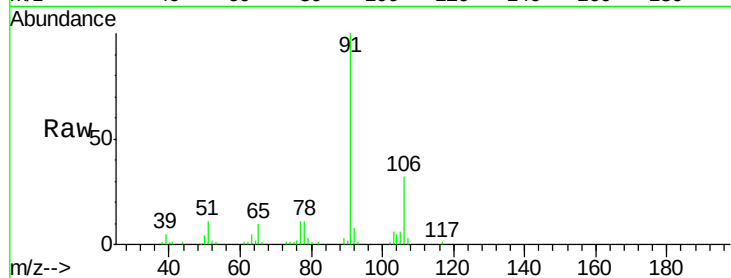
MDL-AIR-1

Tot Ion: 91 Resp: 177098

Ion Ratio Lower Upper

91 100

106 32.4 23.8 35.6



#59

m/p-Xylene

Concen: 0.42 ppbv

RT: 14.69 min Scan# 1904

Delta R.T. -0.01 min

Lab File: VL026659.D

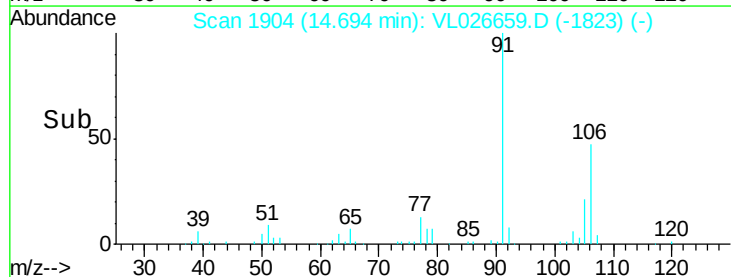
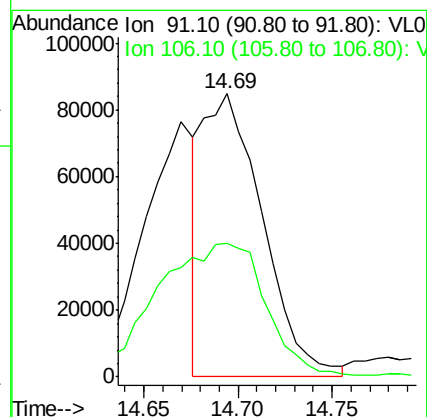
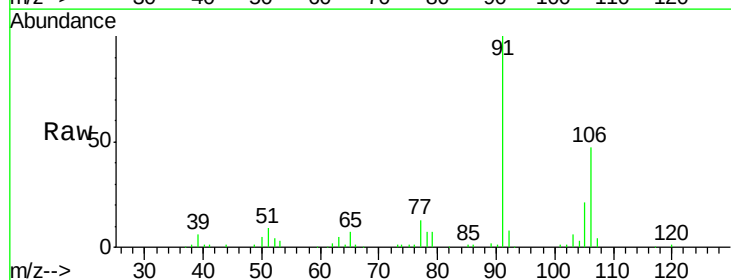
Acq: 9 Jan 2016 3:54

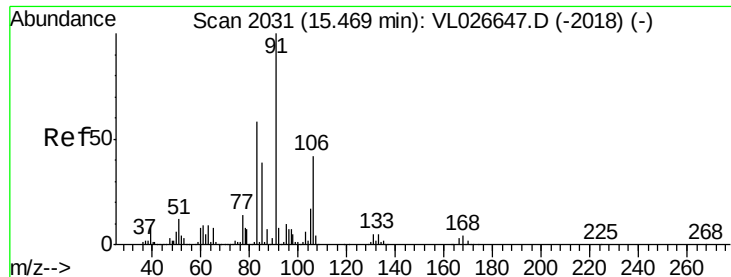
Tgt Ion: 91 Resp: 185893

Ion Ratio Lower Upper

91 100

106 87.2 36.6 55.0#





#60

o-Xylene

Concen: 0.42 ppbv

RT: 15.46 min Scan# 2030

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

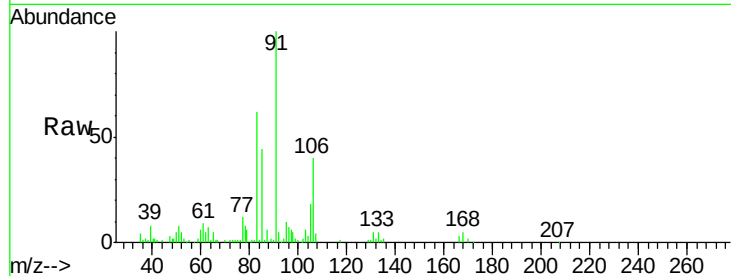
MDL-AIR-1

Tot Ion: 91 Resp: 200600

Ion Ratio Lower Upper

91 100

106 45.7 21.5 64.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): VL0

15.46

80000

60000

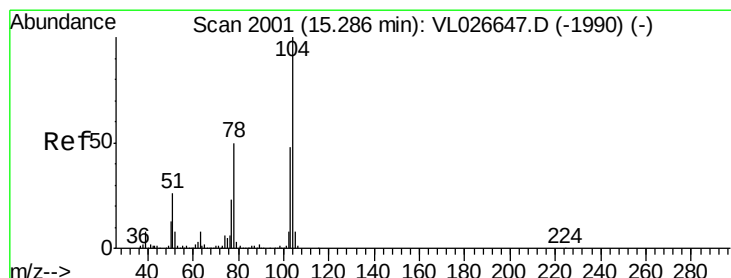
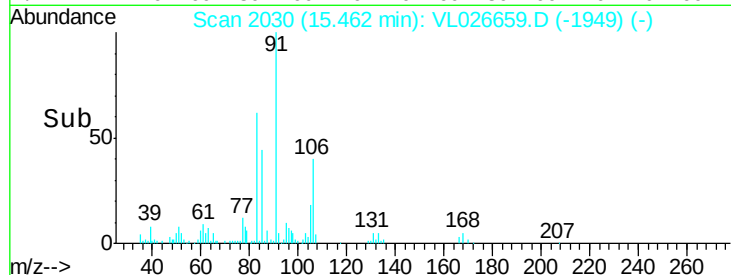
40000

20000

0

15.40 15.50

Time-->



#61

Styrene

Concen: 0.32 ppbv

RT: 15.29 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

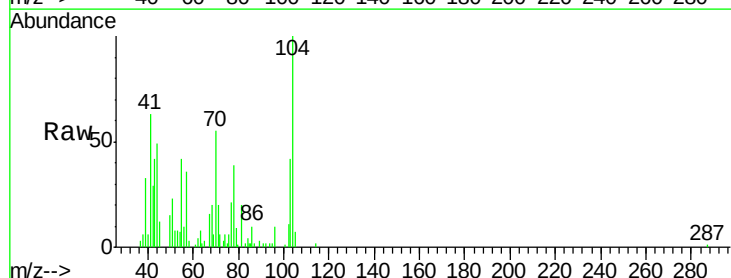
Tgt Ion: 104 Resp: 59331

Ion Ratio Lower Upper

104 100

78 47.2 39.6 59.4

103 47.6 37.8 56.6



Abundance Ion 104.10 (103.80 to 104.80): VL0

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): VL0

15.29

30000

25000

20000

15000

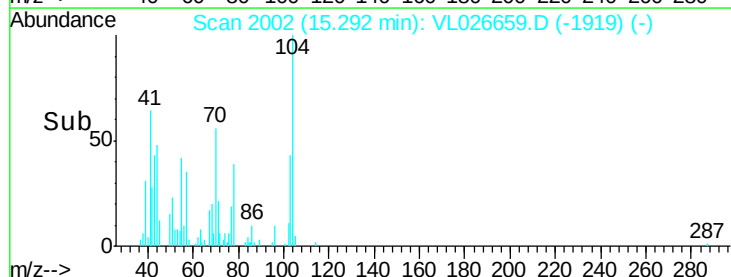
10000

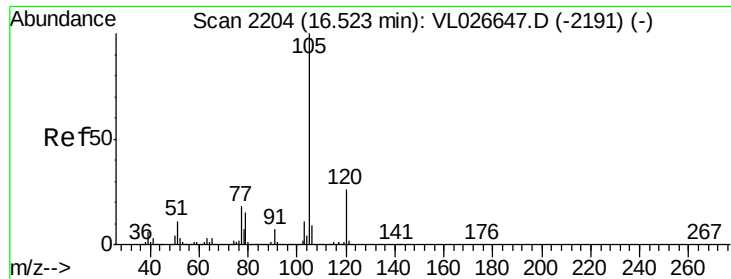
5000

0

15.20 15.30

Time-->





#62

Isopropylbenzene

Concen: 0.39 ppbv

RT: 16.52 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

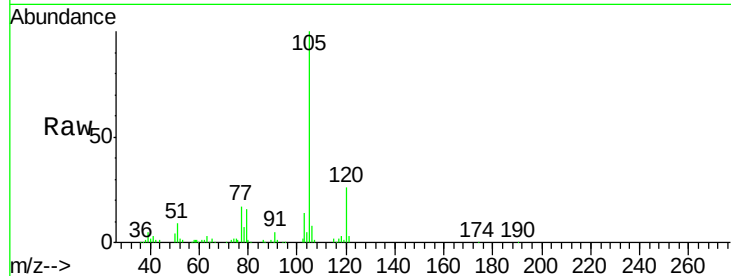
MDL-AIR-1

Tot Ion:105 Resp: 243047

Ion Ratio Lower Upper

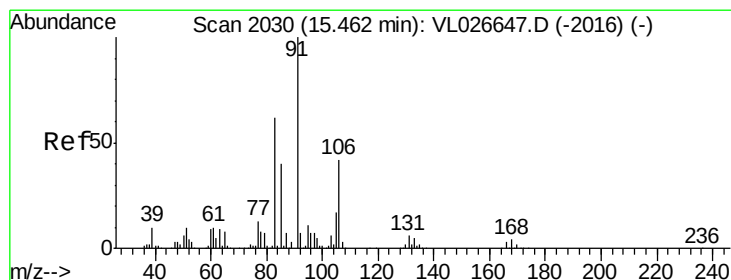
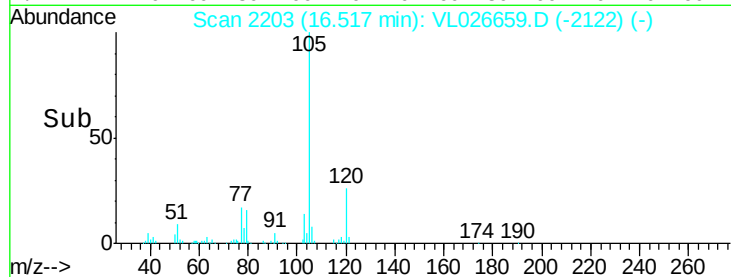
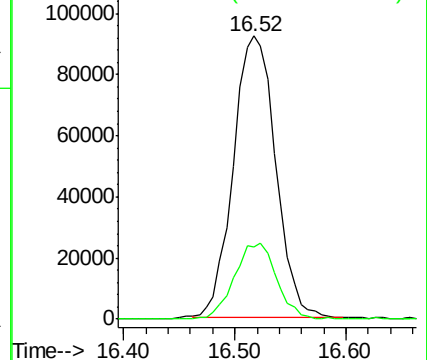
105 100

120 26.9 20.3 30.5



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: 0.43 ppbv

RT: 15.46 min Scan# 2029

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

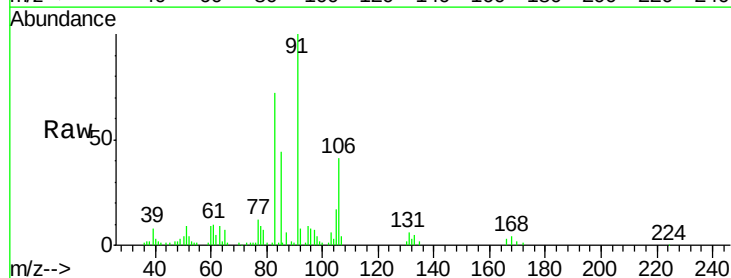
Tgt Ion: 83 Resp: 154190

Ion Ratio Lower Upper

83 100

131 8.4 4.5 13.4

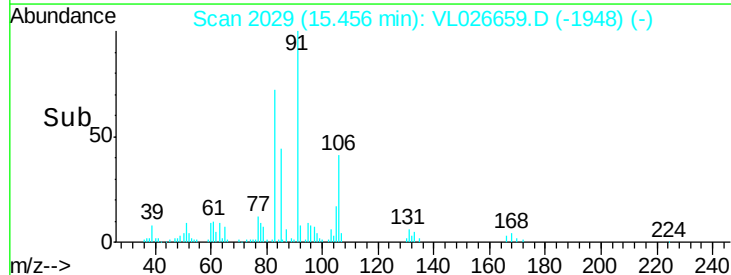
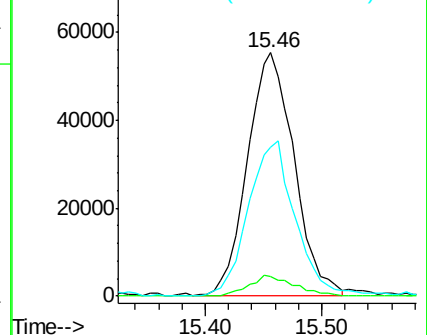
85 65.4 32.6 97.7

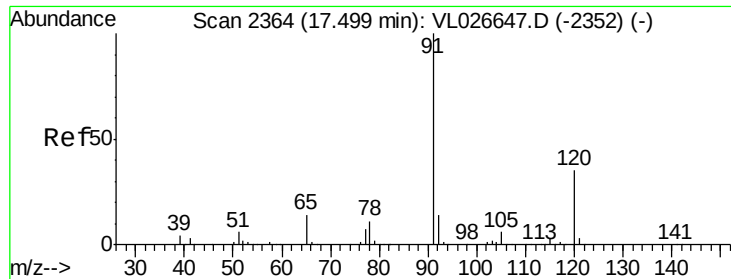


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.40 ppbv

RT: 17.49 min Scan# 2363

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampled :

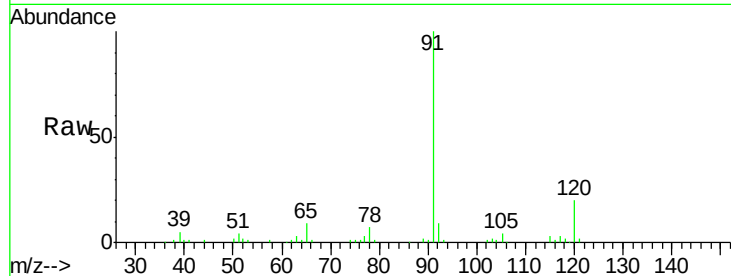
MDL-AIR-1

Tot Ion:120 Resp: 66964

Ion Ratio Lower Upper

120 100

91 488.4 375.8 563.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

150000

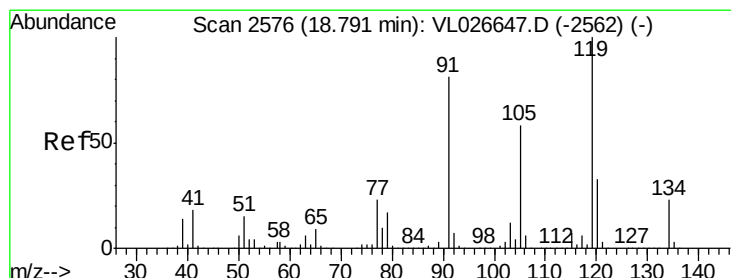
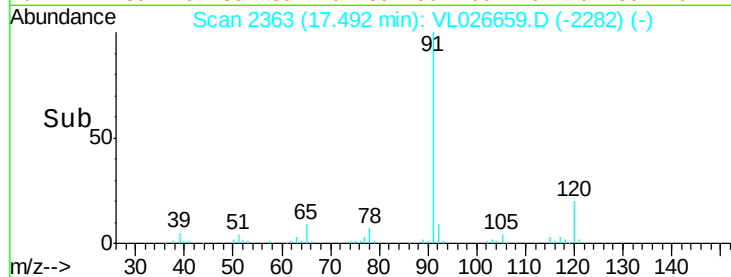
100000

50000

0

17.40 17.50

Time-->



#65

tert-Butylbenzene

Concen: 0.42 ppbv

RT: 18.78 min Scan# 2575

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

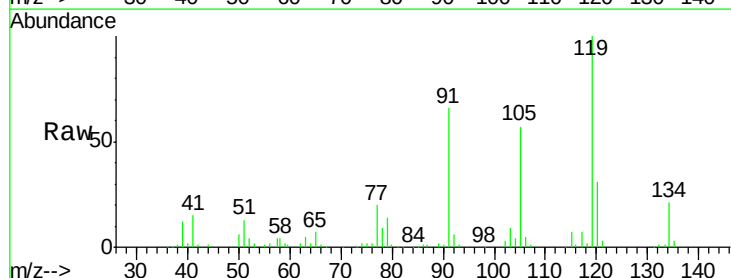
Tgt Ion:119 Resp: 243730

Ion Ratio Lower Upper

119 100

91 74.4 64.8 97.2

134 21.4 17.4 26.0



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

120000

100000

80000

60000

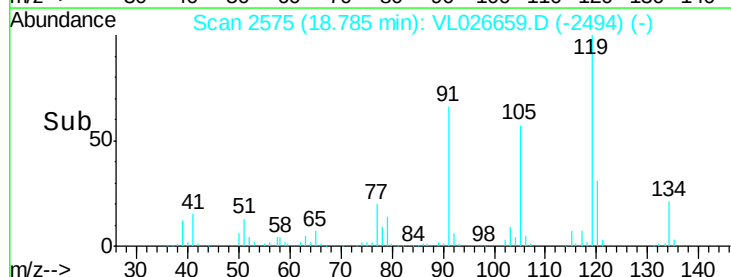
40000

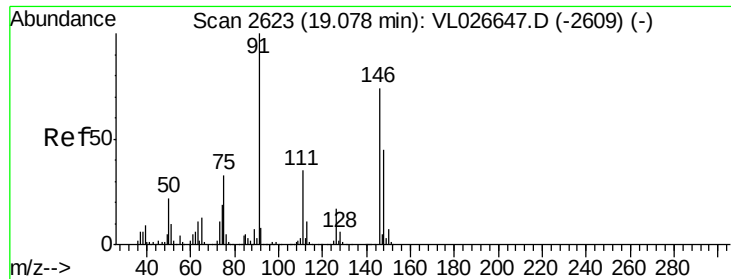
20000

0

18.70 18.80 18.90

Time-->

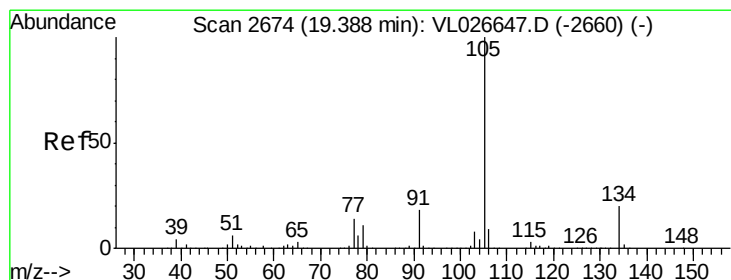
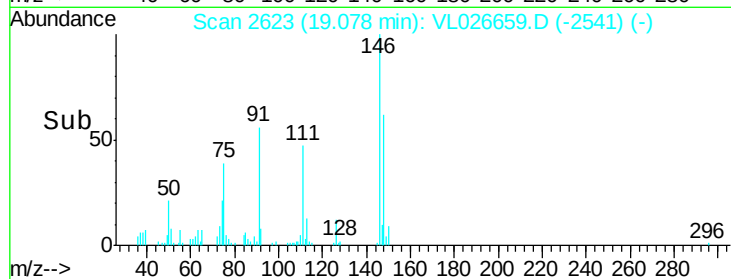
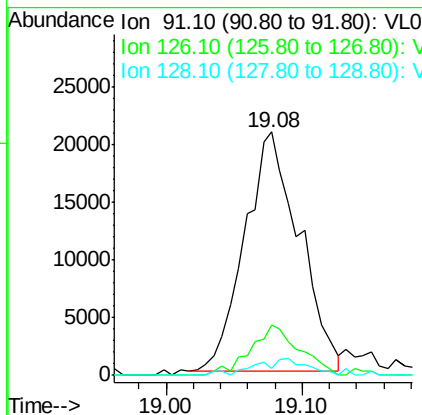
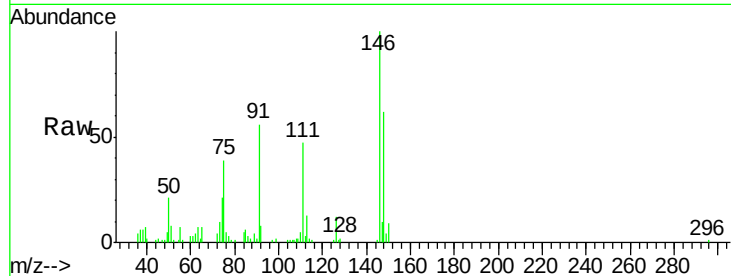




#66
Benzyl Chloride
Concen: 0.28 ppbv
RT: 19.08 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

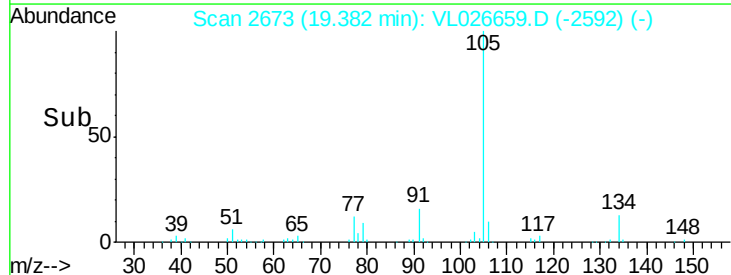
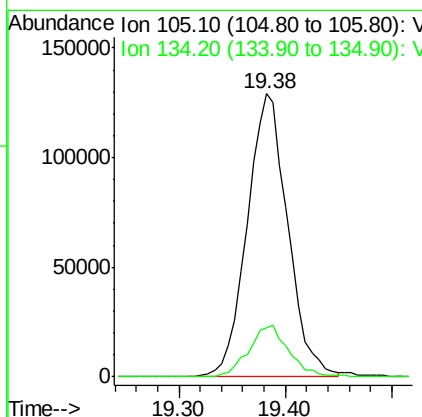
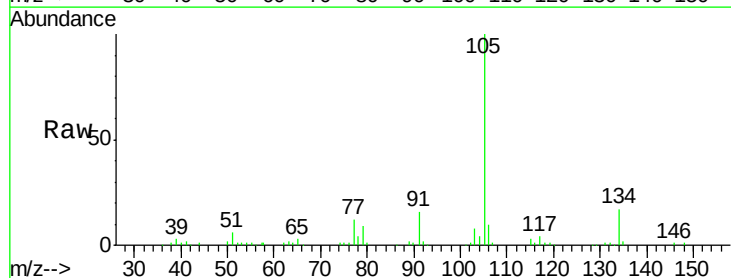
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

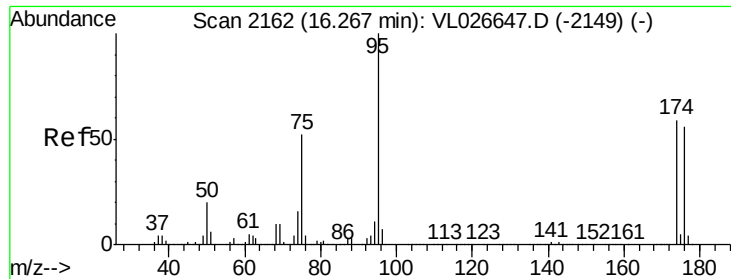
Tot Ion: 91 Resp: 58416
Ion Ratio Lower Upper
91 100
126 19.6 14.2 21.2
128 7.4 4.5 6.7#



#67
sec-Butylbenzene
Concen: 0.40 ppbv
RT: 19.38 min Scan# 2673
Delta R.T. -0.01 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 105 Resp: 345239
Ion Ratio Lower Upper
105 100
134 18.0 14.9 22.3

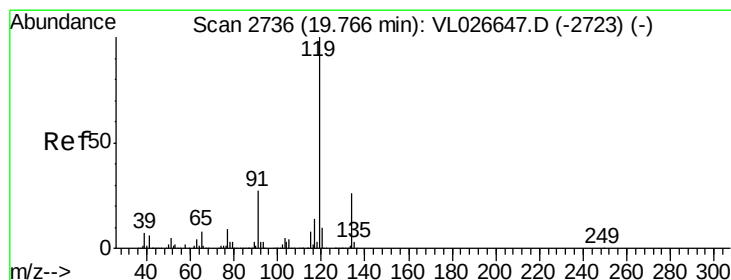
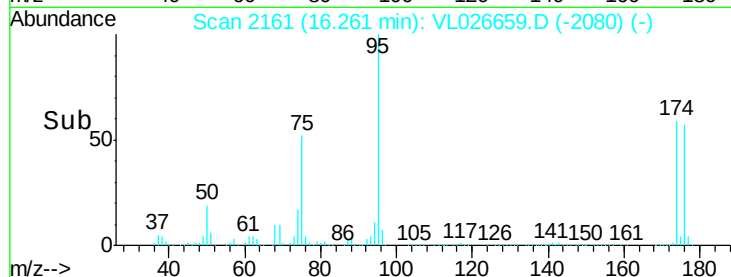
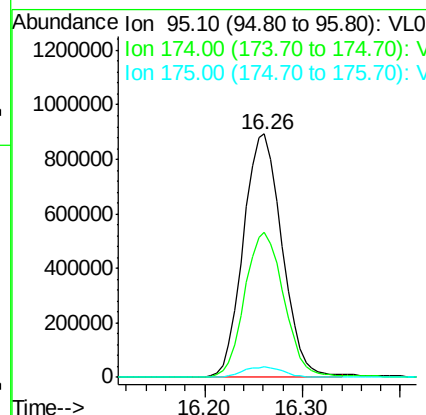
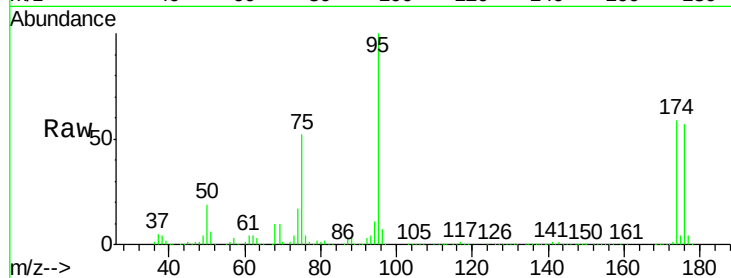




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.30 ppbv
 RT: 16.26 min Scan# 2161
 Delta R.T. -0.01 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

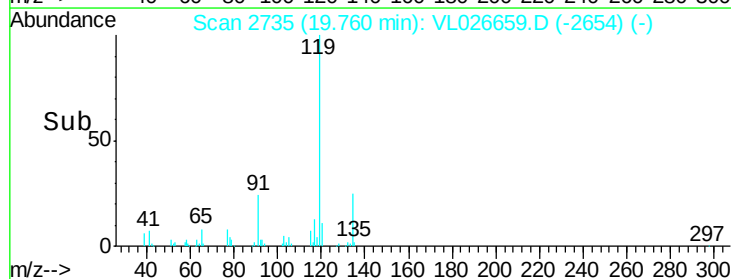
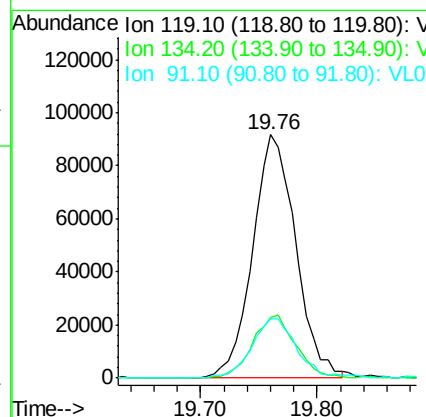
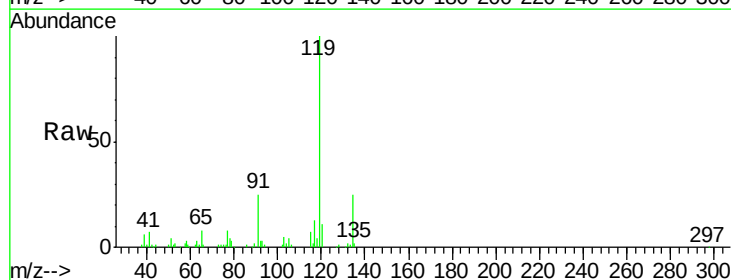
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1

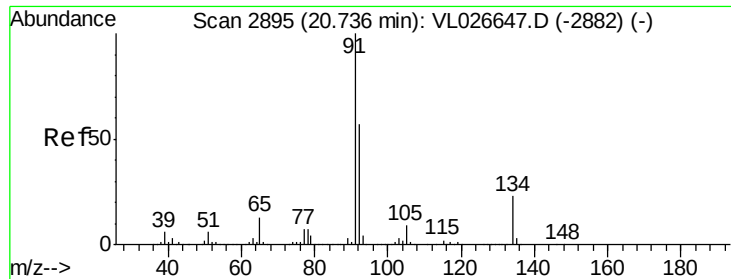
Tot Ion: 95 Resp: 2461108
 Ion Ratio Lower Upper
 95 100
 174 61.0 47.8 71.8
 175 4.5 3.6 5.4



#69
 p-Isopropyltoluene
 Concen: 0.36 ppbv
 RT: 19.76 min Scan# 2735
 Delta R.T. -0.01 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

Tgt Ion: 119 Resp: 236550
 Ion Ratio Lower Upper
 119 100
 134 26.1 20.6 31.0
 91 26.0 21.7 32.5

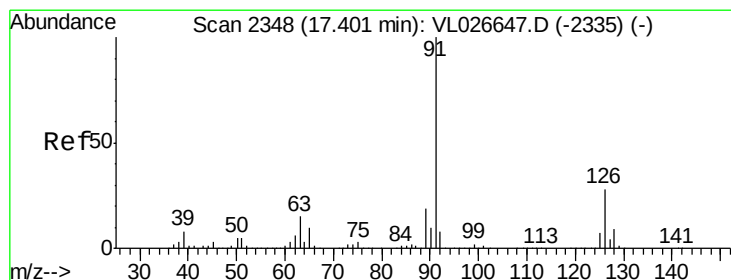
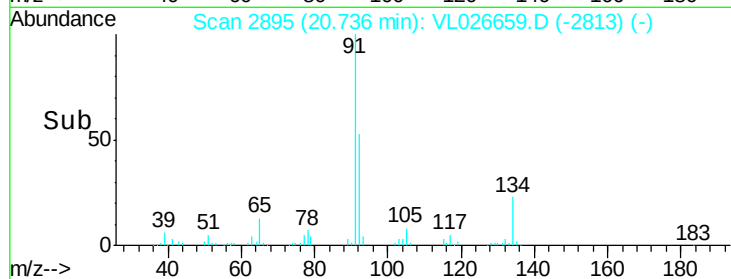
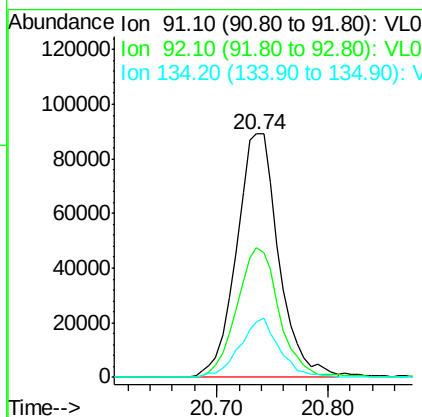
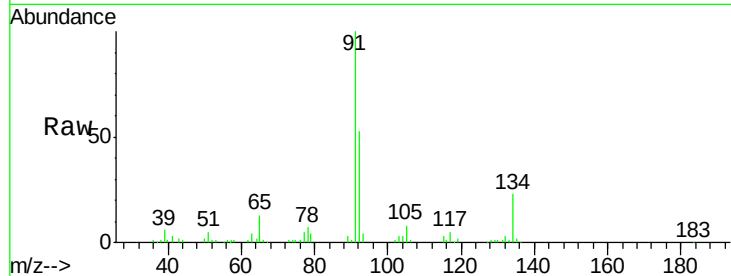




#70
n-Butylbenzene
Concen: 0.34 ppbv
RT: 20.74 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

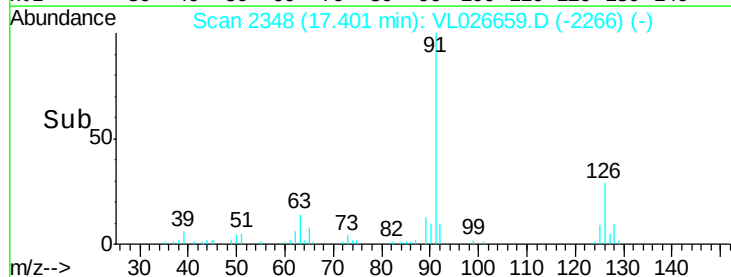
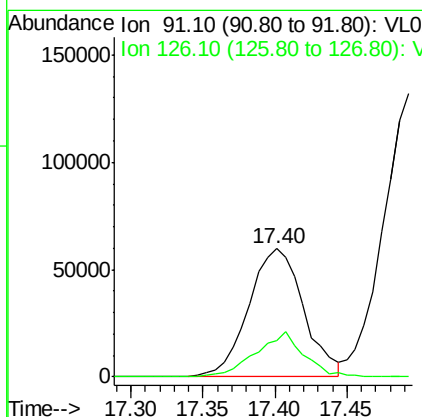
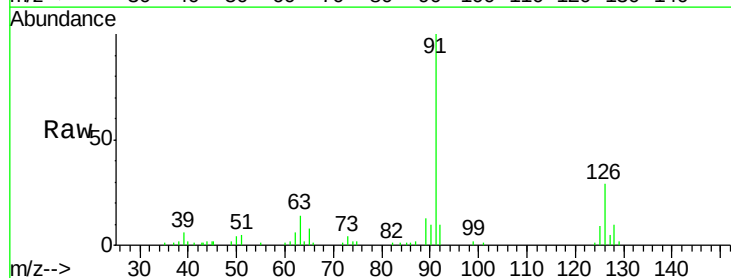
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1

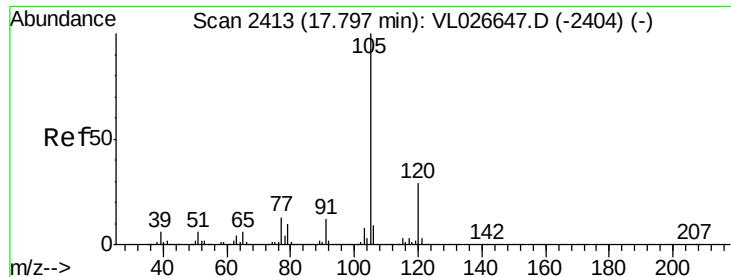
Tot Ion: 91 Resp: 234630
Ion Ratio Lower Upper
91 100
92 54.1 45.0 67.4
134 22.9 18.2 27.2



#71
2-Chlorotoluene
Concen: 0.32 ppbv
RT: 17.40 min Scan# 2348
Delta R.T. -0.00 min
Lab File: VL026659.D
Acq: 9 Jan 2016 3:54

Tgt Ion: 91 Resp: 158747
Ion Ratio Lower Upper
91 100
126 31.3 11.4 45.8





#72

4-Ethyltoluene

Concen: 0.35 ppbv

RT: 17.79 min Scan# 2412

Delta R.T. -0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

Tot Ion:105 Resp: 184262

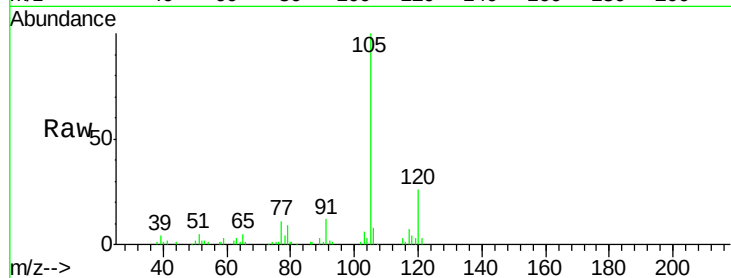
Ion Ratio Lower Upper

105 100

120 29.4 23.7 35.5

91 12.7 9.7 14.5

77 13.0 10.3 15.5

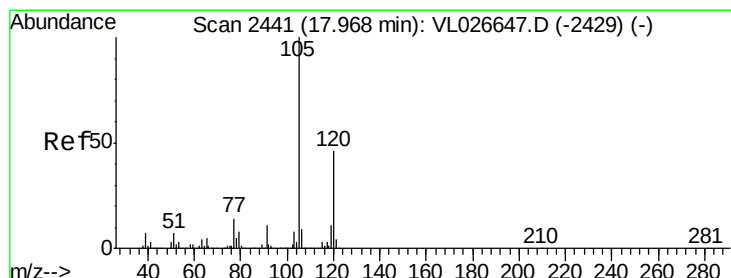
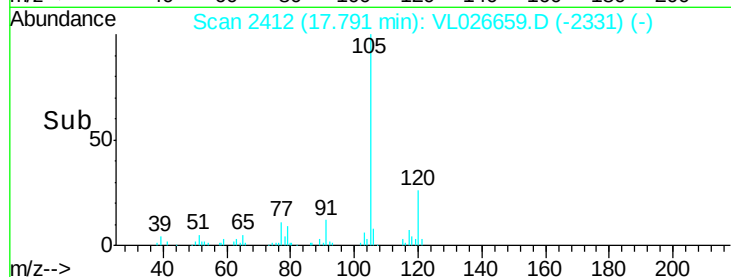
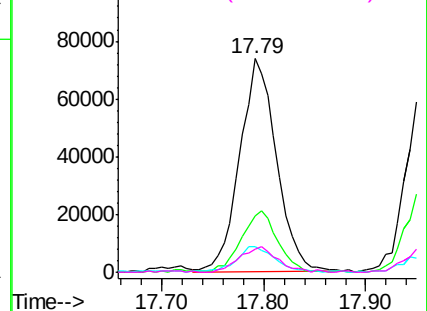


Abundance Ion 105.10 (104.80 to 105.80): V

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# 2440

Delta R.T. -0.01 min

Lab File: VL026659.D

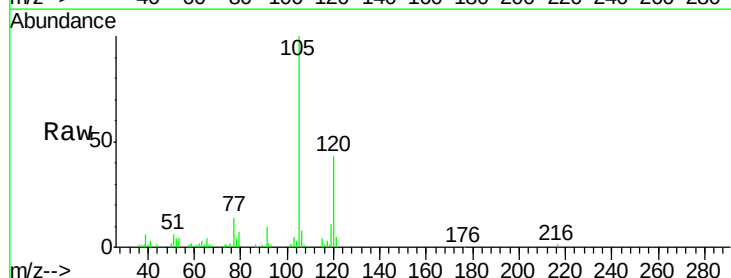
Acq: 9 Jan 2016 3:54

Tgt Ion:105 Resp: 189542

Ion Ratio Lower Upper

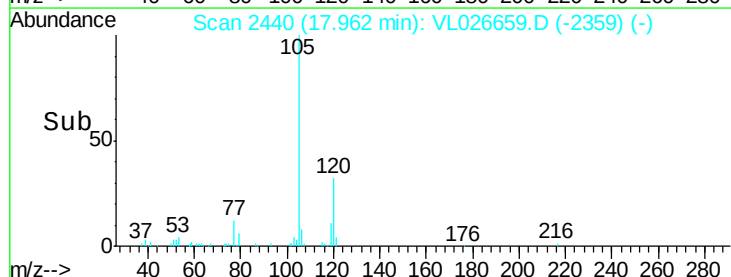
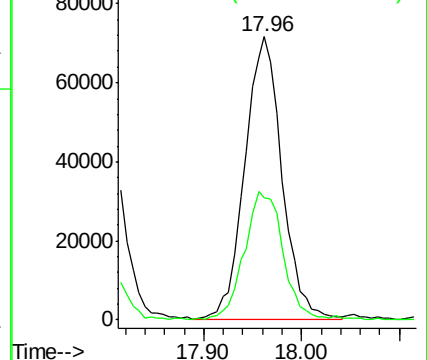
105 100

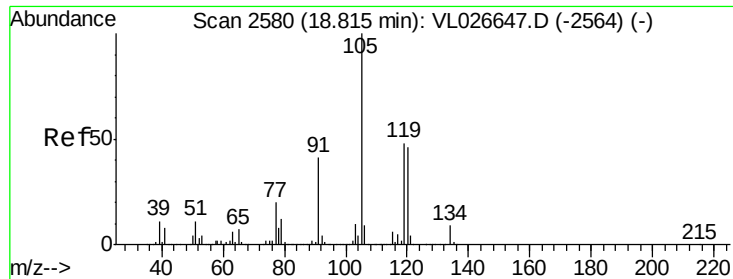
120 42.9 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

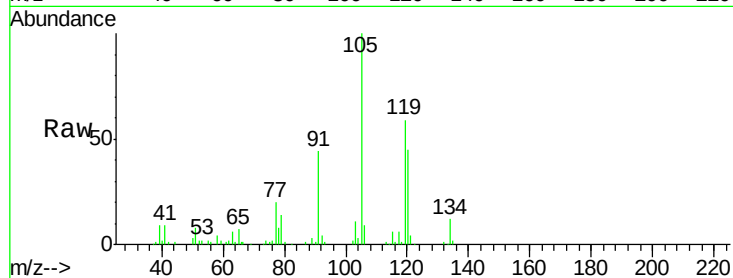




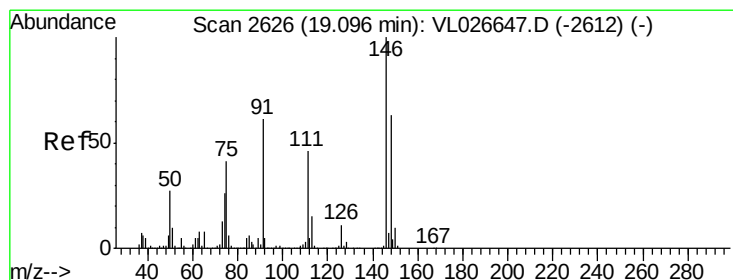
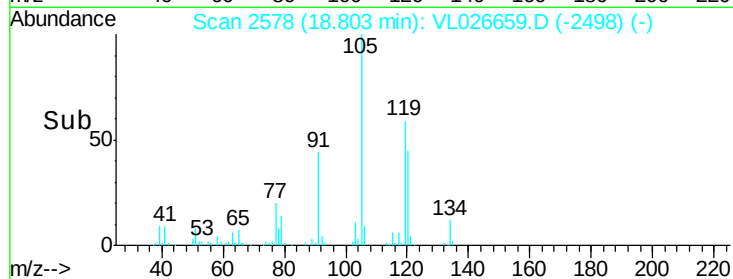
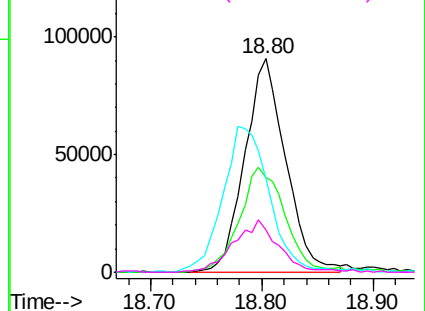
#74
 1,2,4-Trimethylbenzene
 Concen: 0.43 ppbv
 RT: 18.80 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

Instrument :
 MSVOA_L
 ClientSampled :
 MDL-AIR-1

Tot Ion:	105	Resp:	231934
Ion	Ratio	Lower	Upper
105	100		
120	44.2	36.6	55.0
91	42.4	32.5	48.7
77	19.0	15.7	23.5

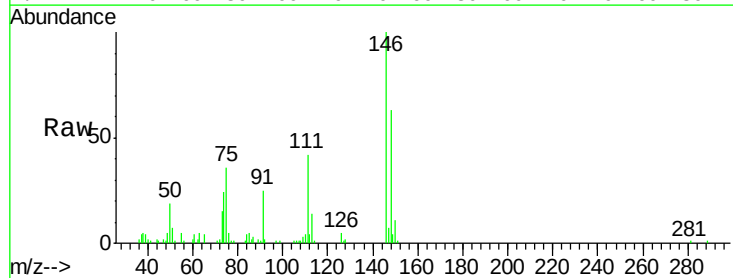


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

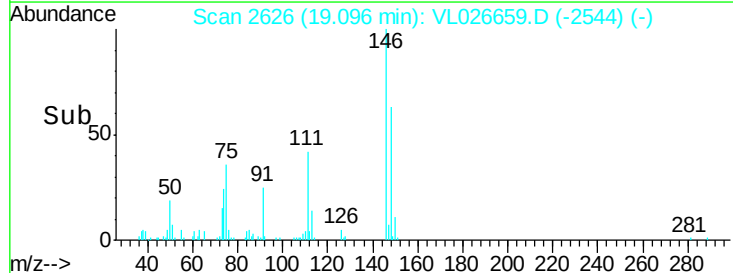
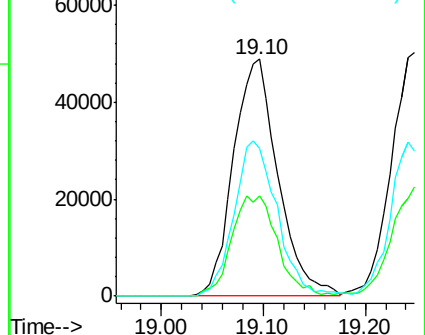


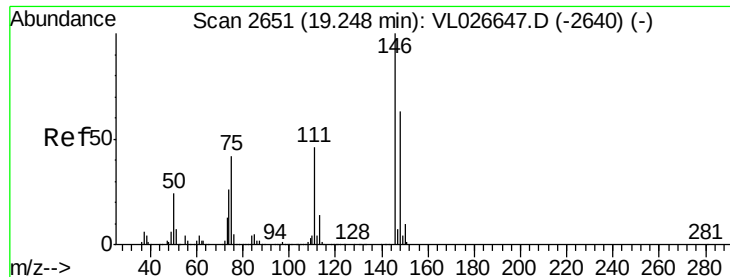
#75
 1,3-Dichlorobenzene
 Concen: 0.45 ppbv
 RT: 19.10 min Scan# 2626
 Delta R.T. -0.00 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

Tgt Ion:	146	Resp:	148262
Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.9	68.5
148	63.0	31.6	95.0



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

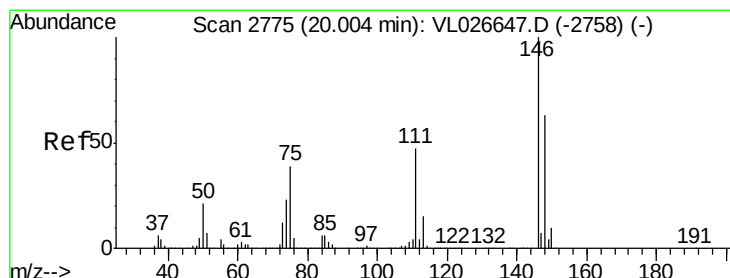
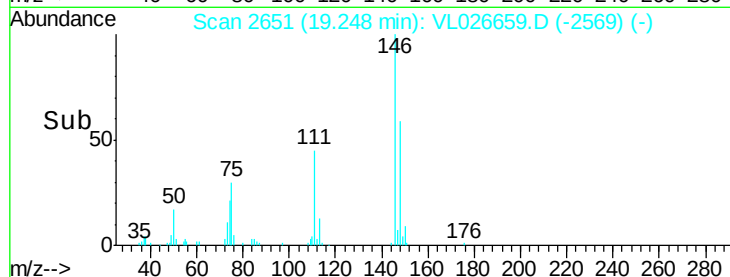
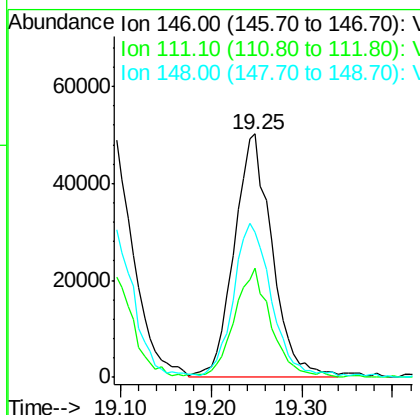
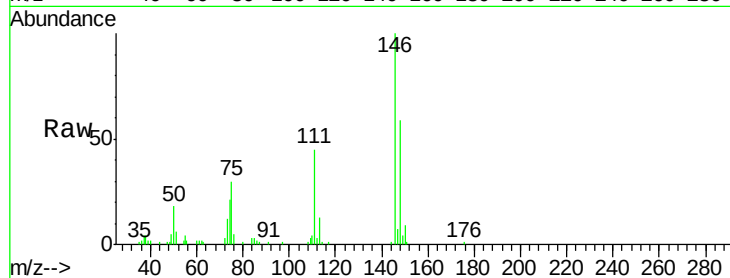




#76
 1,4-Dichlorobenzene
 Concen: 0.43 ppbv
 RT: 19.25 min Scan# 2651
 Delta R.T. -0.00 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

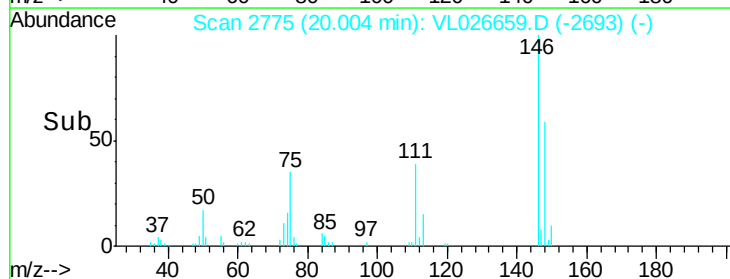
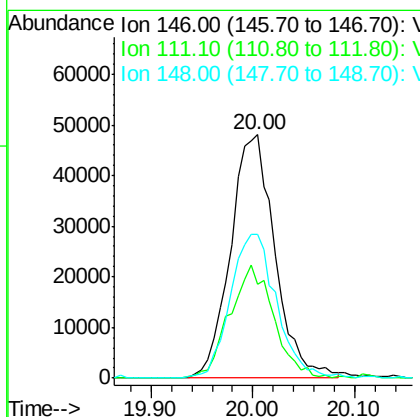
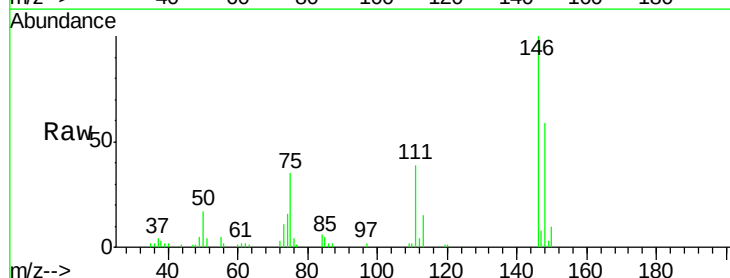
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1

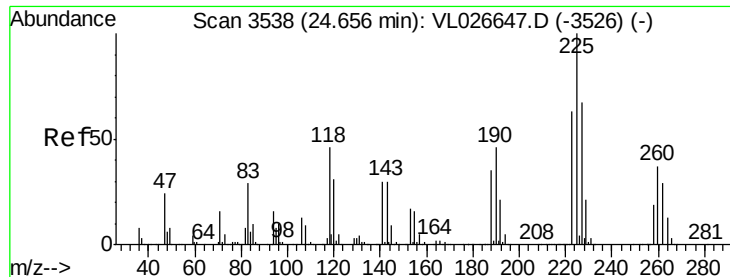
Tot Ion:146 Resp: 146069
 Ion Ratio Lower Upper
 146 100
 111 44.2 22.3 66.8
 148 65.1 31.9 95.9



#77
 1,2-Dichlorobenzene
 Concen: 0.43 ppbv
 RT: 20.00 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VL026659.D
 Acq: 9 Jan 2016 3:54

Tgt Ion:146 Resp: 145320
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.7 71.1
 148 62.0 31.1 93.5





#78

Hexachloro-1,3-Butadiene

Concen: 0.41 ppbv

RT: 24.66 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

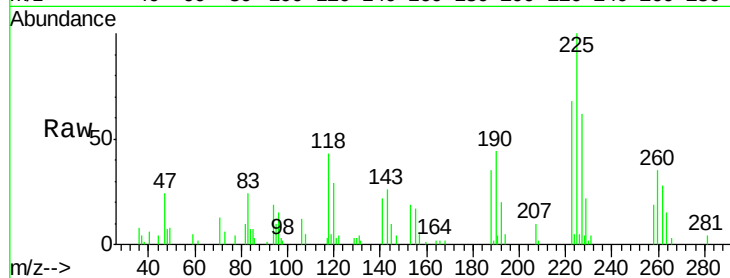
Tot Ion:225 Resp: 55752

Ion Ratio Lower Upper

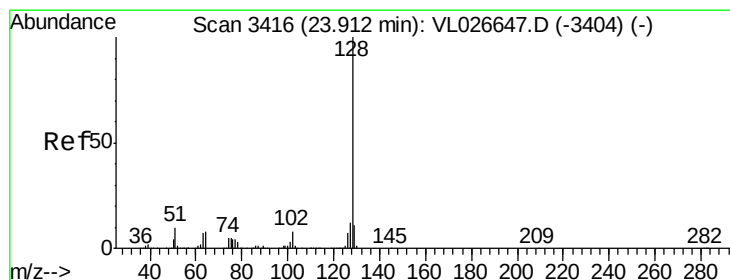
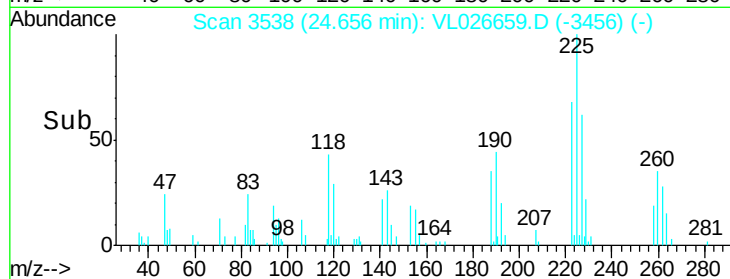
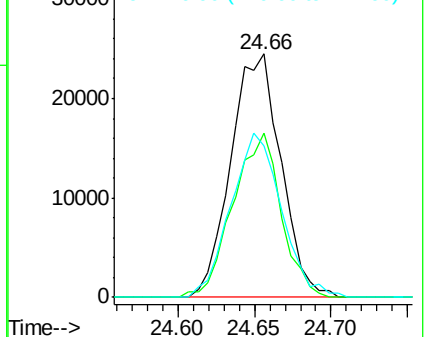
225 100

223 64.8 50.1 75.1

227 68.1 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# 3418

Delta R.T. 0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

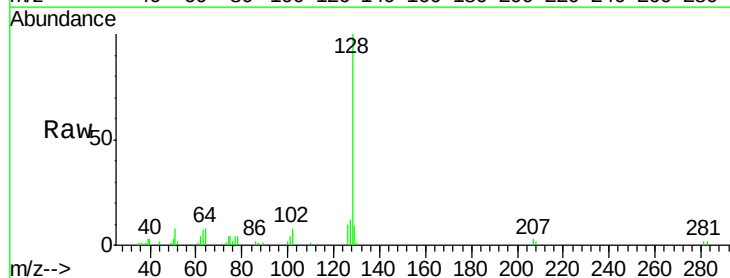
Tgt Ion:128 Resp: 93236

Ion Ratio Lower Upper

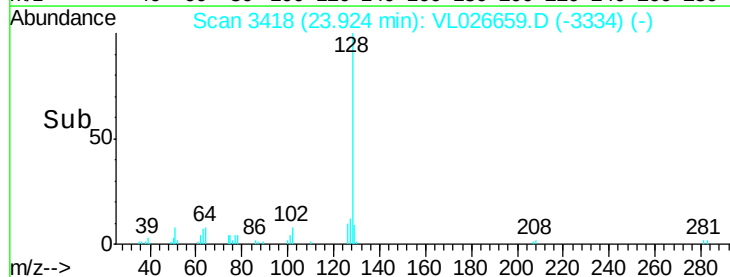
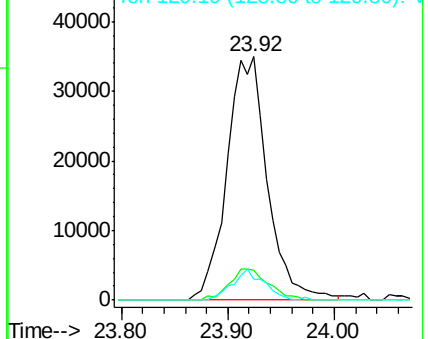
128 100

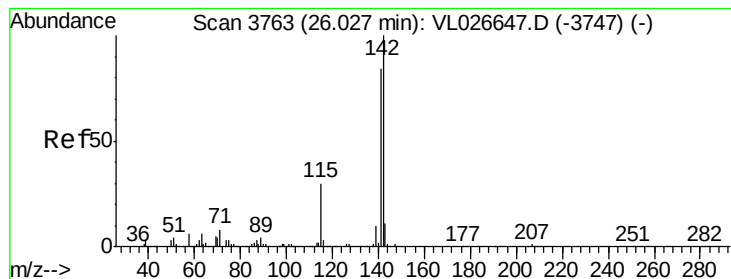
127 12.1 9.8 14.8

129 8.8 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: 0.28 ppbv

RT: 26.03 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1

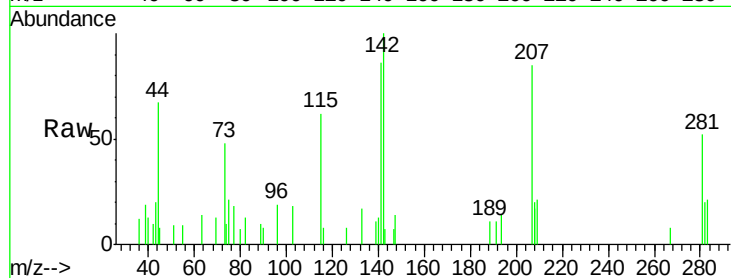
Tot Ion:142 Resp: 16012

Ion Ratio Lower Upper

142 100

141 78.2 67.0 100.6

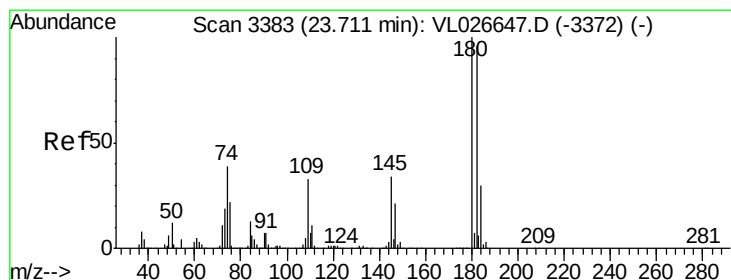
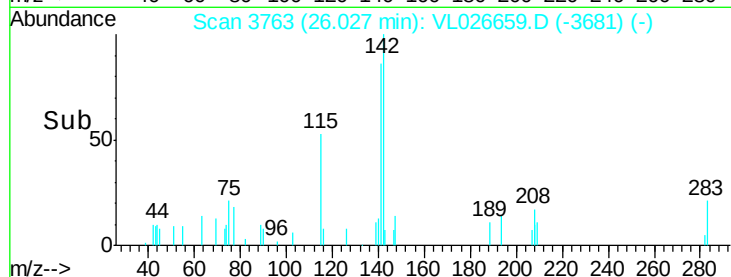
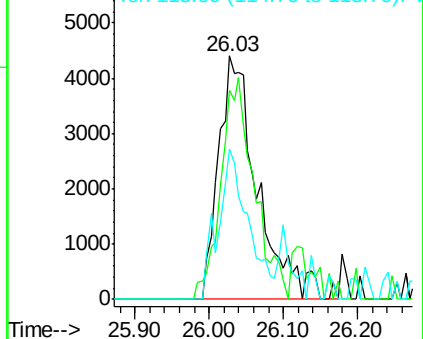
115 47.2 24.7 37.1#



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: 0.31 ppbv

RT: 23.72 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL026659.D

Acq: 9 Jan 2016 3:54

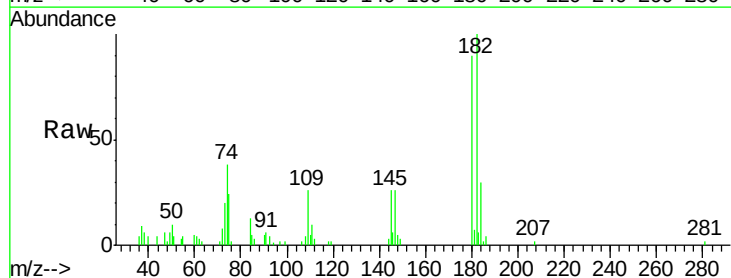
Tgt Ion:180 Resp: 51384

Ion Ratio Lower Upper

180 100

182 101.1 75.4 113.0

184 30.2 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

